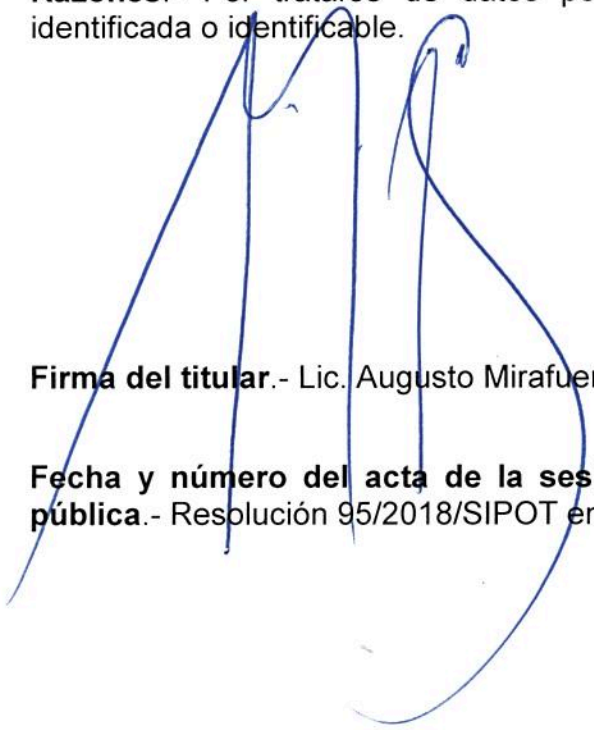
**Área que clasifica**.- Dirección General de Gestión Forestal y de Suelos

**Identificación del documento**.- Versión pública de la presente autorización de cambio de uso de suelo en terrenos forestales, cuyo número de identificación se encuentra en el encabezado de la misma.

**Partes clasificadas**.- Domicilio, correo y teléfono del titular de la autorización, nombres de los propietarios o poseedores de los predios por afectar y datos del INE.

**Fundamento Legal**.- La clasificación de la información confidencial se realiza con fundamento en los artículos 113, fracción I, de la Ley Federal de Transparencia y Acceso a la Información Pública y 116 primer párrafo de la Ley General de Transparencia y Acceso a la Información Pública.

**Razones**.- Por tratarse de datos personales concernientes a una persona física identificada o identificable.



**Firma del titular**.- Lic. Augusto Mirafuentes Espinosa

**Fecha y número del acta de la sesión del Comité donde se aprobó la versión pública**.- Resolución 95/2018/SIPOT en la sesión celebrada el 2 de octubre de 2018.

**Oficio N° SGPA/DGGFS/712/1859/18**
**BITÁCORA: 09/DS-0019/03/18**

Ciudad de México, a 30 de julio de 2018

**HÉCTOR RAÚL GARCÍA FOX**
**DIRECTOR GENERAL DEL CENTRO SCT SINALOA DE LA SECRETARÍA DE COMUNICACIONES Y TRANSPORTES**

ASUNTO: Se resuelve la solicitud de autorización de cambio de uso del suelo en terrenos forestales por una superficie de 101.901 hectáreas para el desarrollo del proyecto denominado ***"Construcción del eje interestatal carretera Culiacán-Parral, tramo San José del Barranco-Los Frailes, Km 106+000.000 a 136+281.214"***, con ubicación en el o los municipio(s) de Badiraguato en el estado de Sinaloa.

Visto para resolver el expediente instaurado a nombre de la Secretaría de Comunicaciones y Transportes, a través de Héctor Raúl García Fox, en su carácter de Director General del Centro SCT Sinaloa de la Secretaría de Comunicaciones y Transportes, con motivo de la solicitud de autorización de cambio de uso del suelo en terrenos forestales por una superficie de 101.901 hectáreas, para el desarrollo del proyecto denominado ***"Construcción del eje interestatal carretera Culiacán-Parral, tramo San José del Barranco-Los Frailes, Km 106+000.000 a 136+281.214"***, con ubicación en el o los municipio(s) de Badiraguato en el estado de Sinaloa, y

## RESULTANDO

I. Que mediante oficio N° SCT.6.24.01-357/2018 de fecha 26 de febrero de 2018, recibido en esta Dirección General de Gestión Forestal y de Suelos el día 08 de marzo de 2018, Héctor Raúl García Fox, en su carácter de Director General del Centro SCT Sinaloa de la Secretaría de Comunicaciones y Transportes, presentó la solicitud de autorización de cambio de uso del suelo en terrenos forestales por una superficie de 101.901 hectáreas, para el desarrollo del proyecto denominado ***"Construcción del eje interestatal carretera Culiacán-Parral, tramo San José del Barranco-Los Frailes, Km 106+000.000 a 136+281.214"***, con ubicación en el o los municipio(s) de Badiraguato en el estado de Sinaloa, adjuntando para tal efecto la siguiente documentación:

1. Formato FF-SEMARNAT-030. Solicitud de Autorización de Cambio de Uso del Suelo en Terrenos Forestales, signado por Héctor Raúl García Fox, en su carácter de Director General del Centro SCT Sinaloa de la Secretaría de Comunicaciones y Transportes.

2. Original impreso del Estudio Técnico Justificativo (ETJ) y su respaldo en dos discos compactos.

3. Original del comprobante del pago de derechos por la cantidad de $6,722.00 (seis mil setecientos veintidós pesos 00/100 M.N.), por concepto de recepción, evaluación y dictamen del estudio técnico justificativo y, en su caso, la autorización de cambio de uso del suelo en terrenos forestales, de fecha 07 de marzo de 2018.

4. Copia certificada del acta de asamblea de fecha 18 de febrero de 2018, en la cual el ejido "San José del Barranco" acuerda otorgar a favor del Centro SCT Sinaloa, para que realice el cambio de uso del suelo en terrenos forestales, sobre la superficie que se requiera, con ubicación en el municipio de Badiraguato en el estado de Sinaloa, para la realización del proyecto que nos ocupa.

II. Que mediante oficio N° SGPA/DGGFS/712/0706/18 de fecha 15 de marzo de 2018, esta

Dirección General de Gestión Forestal y de Suelos, requirió a Héctor Raúl García Fox, en su carácter de Director General del Centro SCT Sinaloa de la Secretaría de Comunicaciones y Transportes, información faltante del expediente presentado con motivo de la solicitud de autorización de cambio de uso del suelo en terrenos forestales para el desarrollo del proyecto denominado ***"Construcción del eje interestatal carretera Culiacán-Parral, tramo San José del Barranco-Los Frailes, Km 106+000.000 a 136+281.214"***, con ubicación en el o los municipio(s) de Badiraguato en el estado de Sinaloa, haciéndole la prevención que al no cumplir en tiempo y forma con lo solicitado, el trámite sería desechado, la cual se refiere a lo siguiente:

**De la solicitud:**

*Toda vez que en el Sistema Nacional de Gestión Forestal (SNGF) y en el programa ArcGis 10.1 se revisaron las coordenadas de los polígonos del área propuesta para el cambio de uso del suelo en terrenos forestales y se identificó que la superficie que delimitan dichas coordenadas UTM es de 102.4086 hectáreas, deberá presentar el formato FF-SEMARNAT-030. Solicitud de autorización de cambio de uso del suelo en terrenos forestales, correctamente requisitado. Asimismo, deberá realizar las modificaciones correspondientes a lo largo del estudio técnico justificativo.*

*Toda vez que el nombre del proyecto indicado en el formato FF-SEMARNAT-030. Solicitud de autorización de cambio de uso del suelo en terrenos forestales y el indicado en el estudio técnico justificativo no concuerda, deberá aclarar el nombre real del proyecto y, en su caso, deberá presentar el formato FF-SEMARNAT-030. Solicitud de autorización de cambio de uso del suelo en terrenos forestales, correctamente requisitado.*

**Del Estudio Técnico Justificativo:**

*Fracción I. Usos que se pretendan dar al terreno.*

*1. Describir de manera detallada las actividades que serán ejecutadas en la etapa de preparación del sitio y las actividades que serán ejecutadas en la fase de construcción del proyecto. Asimismo, deberá indicar las obras y actividades provisionales que apoyarán el desarrollo del proyecto.*

*Fracción II. Ubicación y superficie del predio o conjunto de predios, así como la delimitación de la porción en que se pretenda realizar el cambio de uso del suelo en los terrenos forestales, a través de planos georreferenciados.*

*2. Presentar el plano o planos georreferenciados en una escala que se aprecien cada uno de los polígonos sujetos a cambio de uso del suelo en terrenos forestales.*

*3. Si bien, se presentaron las coordenadas del área sujeta a cambio de uso del suelo en terrenos forestales, deberá indicar las coordenadas que delimiten cada uno de los polígonos y el tipo de vegetación por afectar. Asimismo, deberá indicar la superficie por polígono y por tipo de vegetación en cada polígono.*

*Fracción III. Descripción de los elementos físicos y biológicos de la cuenca hidrológico-forestal en donde se ubique el predio.*

*Para flora.*

*4. Aclarar cuáles son los tipos de vegetación por afectar en el área sujeta a cambio de uso del suelo en terrenos forestales, indicando la superficie que corresponde a cada tipo*

*de vegetación.*

*5. Presentar el análisis estadístico que justifique el diseño y tamaño de la muestra. Es importante indicar, que el tamaño de la muestra deberá tener niveles de confianza no menores al 95%.*

*6. Toda vez que en los estratos por tipo de vegetación se presentan especies repetidas, deberá indicar las características consideradas para delimitar los estratos (arbóreo, arbustivo y herbáceo).*

*7. Toda vez que los sitios de muestreo establecidos para el estrato arbóreo son rectangulares, deberá presentar las coordenadas UTM de cada uno de los vértices. Asimismo, deberá aclarar la distribución de los sitios de muestreo para los estratos arbustivo y herbáceo dentro de los sitios de muestreo establecidos para el estrato arbóreo.*

*8. Rectificar el Índice de Valor de Importancia (I.V.I.) e índice de diversidad en el tipo de vegetación Bosque de pino-encino, toda vez que se encontraron incongruencias.*

*Fracción IV. Descripción de las condiciones del predio que incluya los fines a que esté destinado, clima, tipos de suelo, pendiente media, relieve, hidrografía y tipos de vegetación y de fauna.*

*Erosión hídrica.*

*9. Aclarar la superficie por tipo de suelo presente en el área de cambio de uso del suelo en terrenos forestales.*

*10. Toda vez que se presentaron incongruencias en la estimación de la erosión hídrica en el área sujeta a cambio de uso del suelo en terrenos forestales, deberá presentar la base de datos (en excel) de la estimación de la erosión hídrica, antes y después de la remoción vegetal, justificando cada una de las variables utilizadas, ya que no se hace referencia a la bibliografía utilizada.*

*Erosión eólica.*

*11. Justificar cada una de las variables utilizadas en la estimación de la erosión eólica, toda vez que no se hace referencia a la bibliografía utilizada.*

*12. Aclarar si el área sujeta a cambio de uso del suelo en terrenos forestales, afectará vegetación forestal en zona federal, de ser el caso, deberá presentar la documentación legal correspondiente.*

*Captación de agua.*

*13. Toda vez que se presentaron incongruencias en la estimación de la captación de agua en el área sujeta a cambio de uso del suelo en terrenos forestales, deberá presentar la base de datos (en excel) de la estimación de la captación de agua, antes y después de la remoción vegetal, justificando cada una de las variables utilizadas, ya que no se hace referencia a la bibliografía utilizada.*

*Para flora.*

*14. Presentar el análisis estadístico que justifique el diseño y tamaño de la muestra. Es importante indicar, que el tamaño de la muestra deberá tener niveles de confianza no menores al 95%.*

*15. Presentar las coordenadas UTM de los sitios de muestreo establecidos en el área sujeta a cambio de uso del suelo en terrenos forestales, es importante aclarar que, si los sitios de muestreo fueron circulares, deberá indicar las coordenadas del punto central con el dato de radio, si los sitios de muestreo fueron poligonales, deberá indicar las coordenadas de cada uno de los vértices, mencionando la superficie por sitio de muestreo. Asimismo, deberá aclarar la distribución de los sitios de muestreo para los estratos arbustivo y herbáceo dentro de los sitios de muestreo establecidos para el estrato arbóreo. Es importante mencionar, que la superficie total de los sitios de muestreo, deberá encontrarse en su totalidad dentro del área de cambio de uso del suelo en terrenos forestales.*

*16. Indicar el nombre científico de todas las especies florísticas.*

*Fracción VI. Plazo y forma de ejecución del cambio de uso del suelo.*

*17. Aclarar la duración del plazo de ejecución del cambio de uso del suelo en terrenos forestales, toda vez que se menciona que el proyecto está fijado para realizarse en un lapso de 24 meses y se indicó que el plazo de ejecución del cambio de uso del suelo en terrenos forestales será de 60 meses, en caso de existir una rectificación en el plazo, deberá indicarse en el formato FF-SEMARNAT-030. Solicitud de autorización de cambio de uso del suelo en terrenos forestales.*

*Fracción VII. Vegetación que deba respetarse o establecerse para proteger las tierras frágiles.*

*18. Toda vez que se constató la presencia de tierras frágiles, deberá de realizar la descripción de las áreas que por sus condiciones son más vulnerables a los impactos del cambio de uso del suelo y, por tanto, sean propensas a incrementar los procesos erosivos. Asimismo, se tiene que señalar su ubicación, delimitando la superficie a través de coordenadas UTM, acompañada de una representación gráfica que incluya esquemas, fotografías o figuras que permitan su identificación.*

*Fracción VIII. Medidas de prevención y mitigación de impactos sobre los recursos forestales, la flora y fauna silvestres, aplicables durante las distintas etapas de desarrollo del cambio de uso del suelo.*

*Programa de rescate y reubicación de especies de la vegetación forestal.*

*19. Deberá presentar las coordenadas UTM del lugar o lugares destinados para el acopio y reproducción de especies.*

*Programa de ahuyentamiento, rescate y reubicación de fauna silvestre.*

*20. Toda vez que en el presente programa no se incluyeron pasos de fauna, deberá realizar una breve descripción éstos. Asimismo, deberá de incluirse en el programa de*

*ahuyentamiento, rescate y reubicación de fauna silvestre, las coordenadas UTM de los pasos a proponer en el presente proyecto.*

*Erosión del suelo.*

*21. Una vez aclarados los puntos de la fracción IV, deberá establecer las medidas de mitigación ideales para recuperar en igual o en mayor cantidad el suelo que se perderá por el cambio de uso del suelo en terrenos forestales. Las medidas de mitigación deberán ser cuantificables y verificables, por lo que se deberá justificar cada variable utilizada. Asimismo, deberá presentar las coordenadas UTM de los vórtices del polígono o polígonos donde se ubicarán las medidas de mitigación, indicando la superficie del polígono o polígonos.*

*Captación de agua.*

*22. Una vez presentada la estimación de captación de agua, antes y después de la remoción vegetal en el área sujeta a cambio de uso del suelo en terrenos forestales, deberá establecer las medidas de mitigación ideales para recuperar en igual o en mayor cantidad el agua que se perderá por el cambio de uso del suelo en terrenos forestales. Las medidas de mitigación deberán ser cuantificables y verificables, por lo que se deberá justificar cada variable utilizada. Asimismo, deberá presentar las coordenadas UTM de los vértices del polígono o polígonos donde se ubicarán las medidas de mitigación, indicando la superficie del polígono o polígonos.*

*Fracción IX. Servicios ambientales que pudieran ponerse en riesgo por el cambio de uso del suelo propuesto.*

*23. Una vez realizadas las correcciones correspondientes, deberá presentar la estimación económica de los servicios ambientales (cantidad de agua que se dejará de captar, cantidad de suelo que se perderá, cantidad de carbono que se dejará de capturar y cantidad de oxígeno que se dejará de generar).*

*Fracción X. Justificación técnica, económica y social que motive la autorización excepcional del cambio de uso del suelo.*

*Para erosión del suelo.*

*24. Deberá incluir un análisis comparativo de la erosión actual que presenta el área de cambio de uso del suelo en terrenos forestales, la erosión potencial que se presentaría de realizarse el cambio de uso del suelo en terrenos forestales y la cantidad de suelo que se recuperaría con las medidas de prevención y mitigación propuestas.*

*Para captación de agua.*

*25. Deberá incluir un análisis comparativo de la captación de agua actual que se tiene en el área sujeta a cambio de uso del suelo en terrenos forestales, la captación de agua que se presentaría de realizarse el cambio de uso del suelo en terrenos forestales y la cantidad de agua que se recuperaría con las medidas de prevención y mitigación propuestas.*

*Justificación económica.*

*26. Una vez realizadas las correcciones correspondientes, deberá realizar una comparación de los beneficios económicos del proyecto (en su tiempo de vida útil) con los servicios ambientales y los recursos biológicos forestales (en el mismo tiempo de vida del proyecto). En este punto, se deberá demostrar que el uso alternativo que se propone será más productivo a largo plazo.*

**De la documentación legal:**

*Presentar original o copia certificada del oficio que acredite la personalidad del promovente como Director General del Centro SCT Sinaloa.*

*Presentar original o copia certificada del contrato o convenio, mediante el cual el núcleo agrario "San José del Barranco" otorga a la Secretaría de Comunicaciones y Transportes la posesión o el derecho para realizar actividades que impliquen el cambio de uso del suelo en terrenos forestales sobre la superficie propuesta para el cambio de uso del suelo, para el desarrollo del proyecto que nos ocupa.*

III. Que mediante oficio N° SCT.6.24.01-736/2018 de fecha 12 de abril de 2018, recibido en esta Dirección General el día 19 de abril de 2018, Héctor Raúl García Fox, en su carácter de Director General del Centro SCT Sinaloa de la Secretaría de Comunicaciones y Transportes, remitió la información faltante que fue solicitada mediante oficio N° SGPA/DGGFS/712/0706/18 de fecha 15 de marzo de 2018, la cual cumplió con lo requerido, adjuntando para tal efecto la siguiente documentación:

1. Original impreso de la información complementaria y su respaldo en un disco compacto.

2. Copia certificada del oficio N° 1.-235 de fecha 01 de junio de 2013, mediante el cual el Lic. Gerardo Ruiz Esparza, en su carácter de Secretario de Comunicaciones y Transportes, acredita al C. Lic. Héctor Raúl García Fox como Director General del Centro SCT Sinaloa de la Secretaría de Comunicaciones y Transportes.

3. Copia simple de la credencial de elector del C. Héctor Raúl García Fox, emitida por el Instituto Nacional Electoral.

4. Formato FF-SEMARNAT-030. Solicitud de Autorización de Cambio de Uso del Suelo en Terrenos Forestales, signado por Héctor Raúl García Fox, en su carácter de Director General del Centro SCT Sinaloa de la Secretaría de Comunicaciones y Transportes, con el nombre del proyecto rectificado.

5. Original del convenio de cesión de derechos de fecha 08 de abril de 2018, que celebran el ejido "San José del Barranco", representado por los CC. Virginio Gómez Vergara, José Luis Martínez Quiñonez, Javier Álvarez Zepeda y Acacio Macías González, en su carácter de Presidente, Secretario, Tesorero y Presidente del Consejo de Vigilancia, respectivamente, como parte cedente y, por otra parte la Secretaría de Comunicaciones y Transportes a través del Centro SCT Sinaloa, representada por los CC. Héctor Raúl García Fox, José Refugio Ávila Muro, César Santiago Blanco y Juan Alberto Araiza Armenta, en su carácter de Director General, Subdirector de Obras, Jefe de la Unidad de Asuntos Jurídicos y Residente General de Carreteras Alimentadoras, respectivamente, como parte cesionaria, para llevar a cabo el cambio de uso del suelo en terrenos forestales, sobre la superficie que se requiera, con ubicación en el municipio de Badiraguato en el estado de Sinaloa, para la construcción del proyecto que nos ocupa.

IV. Que mediante oficio N° SGPA/DGGFS/712/1042/18 de fecha 26 de abril de 2018, esta Dirección General de Gestión Forestal y de Suelos, requirió a la Delegación Federal de la SEMARNAT en el estado de Sinaloa, solicitar opinión al Consejo Estatal Forestal sobre la viabilidad para el desarrollo del proyecto denominado ***"Construcción del eje interestatal carretera***

***Culiacán-Parral, tramo San José del Barranco-Los Frailes, Km 106+000.000 a 136+281.214",*** con ubicación en el o los municipio(s) de Badiraguato en el estado de Sinaloa, así como llevar a cabo la visita técnica al o los predio(s) forestal(es) objeto de la solicitud, en cumplimiento de lo dispuesto en los artículos 117 de la Ley General de Desarrollo Forestal Sustentable y 122 fracciones III, IV y V de su Reglamento, debiendo indicar lo siguiente:

*- Que la superficie, ubicación geográfica y vegetación forestal que se afectará, corresponda con lo manifestado en el estudio técnico justificativo, en caso de que la información difiera o no corresponda, precisar lo necesario.*

*- Que las coordenadas de los vértices que delimitan la superficie sujeta a cambio de uso del suelo en terrenos forestales correspondan con las presentadas en el estudio técnico justificativo.*

*- Que no exista remoción de vegetación forestal que haya implicado cambio de uso del suelo en terrenos forestales, en caso contrario indicar la ubicación, tipo de vegetación afectada y superficie involucrada.*

*Verificar, conforme a la metodología de muestreo señalada en el estudio técnico justificativo y reportar a esta Dirección General, el número de individuos por especie de cada sitio de muestreo por estrato para la obtención de los parámetros de flora silvestre dentro de la superficie solicitada para cambio de uso del suelo en terrenos forestales (CUSTF), así como en el ecosistema de la microcuenca hidrológico forestal (MHF), para corroborar su presencia conforme a lo reportado en el estudio técnico justificativo. Para ello, deberá verificar los siguientes sitios:*

*Para el tipo de vegetación de Selva baja caducifolia.*

*MHF. Sitio MC01N (X: 291096, Y: 2843762), sitio MC04N (X: 288514, Y: 2842968) y sitio MC07N (X: 285464, Y: 2841966). CUSTF. Sitio AP02N (X: 286513, Y: 2843307), sitio AP04N (X: 287942, Y: 2843284) y sitio AP06N (X: 290219, Y: 2843509).*

*Para el tipo de vegetación de Bosque de encino-pino.*

*MHF. Sitio MC10N (X: 294567, Y: 2842922), sitio MC13N (X: 291924, Y: 2840753) y sitio MC18N (X: 298788, Y: 2839452). CUSTF. Sitio AP09N (X: 292646, Y: 2844167), sitio AP13N (X: 292659, Y: 2841481) y sitio AP16N (X: 294060, Y: 2841093).*

*Para el tipo de vegetación de Bosque de pino-encino.*

*MHF. Sitio MC21N (X: 296673, Y: 2838763), sitio MC23N (X: 296771, Y: 2840483) y sitio MC26N (X: 295427, Y: 2841571). CUSTF. Sitio AP18N (X: 294267, Y: 2841359), sitio AP21N (X: 294712, Y: 2841539) y sitio AP26N (X: 296590, Y: 2839319).*

*Para el tipo de vegetación de Bosque de ayarin.*

*MHF. Sitio MC34N (X: 296707, Y: 2839245). CUSTF. Sitio AP29N (X: 297948, Y: 2840538).*

*- Realizar un recorrido para verificar si existen otras especies de flora dentro del área requerida para el cambio de uso del suelo en terrenos forestales, que no se hayan reportado en el estudio técnico justificativo, en su caso, informar el nombre común y*

*científico de éstas, así como sus tallas y la evidencia fotográfica.*

*- Si el proyecto cruza por cauces o cuerpos de agua temporales o permanentes, en su caso, verificar que la superficie solicitada para el cambio de uso del suelo en terrenos forestales no afecte vegetación forestal en zona federal, así como, indicar la ubicación, el tipo de vegetación y la superficie correspondiente.*

*- Si existen especies de flora y fauna silvestres bajo alguna categoría de riesgo clasificadas en la NOM-059-SEMARNAT-2010, que no hayan sido consideradas en el estudio técnico justificativo, reportar el nombre común y científico de éstas.*

*- Precisar el estado de conservación de la vegetación forestal que será afectada, si corresponde a vegetación primaria o secundaria y si ésta se encuentra en proceso de recuperación, en proceso de degradación o en buen estado de conservación.*

*- Que los volúmenes por especie de las materias primas forestales que serán removidas por el cambio de uso del suelo en terrenos forestales, correspondan con la estimación que se presenta en el estudio técnico justificativo.*

*- Que los servicios ambientales que se verán afectados con la implementación y operación del proyecto, correspondan a los manifestados en el estudio técnico justificativo, si hubiera diferencias, manifestar lo necesario.*

*- Que la superficie donde se ubica el proyecto no haya sido afectada por algún incendio forestal, en caso contrario, referir la superficie involucrada y posible año de ocurrencia.*

*- Si las medidas de prevención y mitigación de los impactos sobre los recursos forestales agua, suelo y biodiversidad, contempladas para el desarrollo del proyecto son las adecuadas o, en su caso, cuáles serían las que propone el personal técnico de la Delegación Federal a su cargo.*

*- Si la zona aledaña donde se llevará a cabo el proyecto, podría ser afectada por la generación de tierras frágiles con la implementación del proyecto, en su caso, indicar su ubicación y las acciones necesarias para su protección.*

*- Si el desarrollo del proyecto es factible ambientalmente, teniendo en consideración la aplicación de las medidas de prevención y mitigación propuestas en el estudio técnico justificativo.*

V. Que mediante oficio N° SGPA/DGGFS/712/1043/18 de fecha 26 de abril de 2018, esta Dirección General de Gestión Forestal y de Suelos, solicitó a la Mtra. Ana Luisa Guzmán y López Figueroa, en su carácter de Coordinadora General de Proyectos y Enlace de la Comisión Nacional para el Conocimiento y Uso de la Biodiversidad, opinión técnica y normativa-jurídica en cuanto a la viabilidad del proyecto mencionado, en consideración de que éste se encuentra ubicado dentro del Área de Importancia para la Conservación de Aves N° 95 "Pericos" y dentro de la Región Hidrológica Prioritaria N° 20 "Cuenca Alta de los Ríos Culiacán y Humaya".

VI. Que mediante oficio N° SGPA/DGGFS/712/1044/18 de fecha 26 de abril de 2018, esta Dirección General de Gestión Forestal y de Suelos, solicitó al Lic. José Luis Pedro Funes Izaguirre, en su carácter de Director General de Vida Silvestre, opinión técnica y normativa-jurídica en cuanto a la factibilidad para el desarrollo del citado proyecto, en consideración de que éste pretende afectar especies de flora y fauna silvestre clasificadas con alguna categoría de riesgo en la

NOM-059-SEMARNAT-2010.

VII. Que mediante oficio N° SET/106/2018 de fecha 22 de mayo de 2018, recibido en esta Dirección General de Gestión Forestal y de Suelos el día 05 de junio de 2018, la Coordinación General de Proyectos y Enlace de la Comisión Nacional para el Conocimiento y Uso de la Biodiversidad, remitió la opinión técnica y normativa-jurídica del proyecto denominado ***"Construcción del eje interestatal carretera Culiacán-Parral, tramo San José del Barranco-Los Frailes, Km 106+000.000 a 136+281.214"***, con ubicación en el o los municipio(s) de Badiraguato en el estado de Sinaloa, de donde se desprende lo siguiente:

*1. El área del proyecto y su área de influencia se traslapan con las siguientes regiones de importancia para la biodiversidad: Región Hidrológica Prioritaria (RHP-20) "Cuenca Alta de los Ríos Culiacán y Humaya"; Área de Importancia para la Conservación de las Aves (AICA-237) "Pericos"; Sitios Prioritarios Epicontinentales (SPEC-32674, SPEC-32817, SPEC-32381, SPEC-32528, SPEC-32818 y SPEC-32962); Sitios Prioritarios Terrestres (SPT-3361 y SPT-3271). La vegetación predominante está conformada por Bosque de ayarín (BS), Bosque de encino (BQ), Bosque de oyamel (BA), Bosque de pino (BP), Bosque de pino-encino (BPQ), Selva Baja Caducifolia (SBC) y Pastizal inducido (PI).*

*2. Se realizó la consulta en el SNIB, dentro de un área de influencia de 2.5 kilómetros con respecto al proyecto pretendido, encontrando 76 registros de especies pertenecientes a diversos grupos taxonómicos, de las cuales 3 se enlistan en alguna categoría de la NOM-059-SEMARNAT-2010.*

*3. En el marco de los "Análisis de vacíos y omisiones de conservación" que coordinan la CONABIO y la Comisión Nacional de Áreas Naturales Protegidas (CONANP), se detectaron los Sitios Prioritarios Epicontinentales (SPEC-32674, SPEC-32817, SPEC-32381, SPEC-32528, SPEC-32818 y SPEC-32962) y los Sitios Prioritarios Terrestres (SPT-3361 y SPT-3271) con prioridades alta y media para la conservación. Los SPEC incluyen 83 especies de plantas, anfibios, aves, reptiles y mamíferos, muchas de ellas endémicas o dentro de alguna categoría de riesgo de la NOM-059-SEMARNAT-2010.*

Espacio

***Comentarios***

*Las carreteras y caminos representan una de las formas de modificación del paisaje más extendidas a nivel mundial. La construcción de estas estructuras perturba y modifica las condiciones ambientales de los ecosistemas, provocando afectaciones en la abundancia y distribución de la biodiversidad, generadas por la necesidad de la humanidad de acceso a nuevas regiones y recursos. Los impactos que generan los caminos pueden ser directos o indirectos. Entre los directos destacan las muertes de fauna, causadas por colisión con los vehículos; el proceso de construcción de la carretera (desmonte, aplanado del terreno, asfaltado, etc.) y la contaminación proveniente de los vehículos (aceites, gases, etc.). Entre los impactos indirectos contamos el ruido, el cual causa reducción en la densidad de la población cercana a la fuente del disturbio; la luz artificial, que atrae a algunas especies poniéndolas en riesgo de ser depredadas o atropelladas y que también afecta los patrones de anidado, canto, migración, crecimiento y muda; el envenenamiento, producto de los compuestos a base de petróleo, sedimentos (depositados en hábitats acuáticos y que pueden tener metales pesados), agroquímicos (para evitar el desarrollo de plantas que invadan la zona de obra) y las sales de deshielo; y las barreras físicas, donde destacan la fragmentación y los efectos de borde. El proceso de construcción trae consigo pérdida de hábitat, pues es necesario limpiar el terreno por donde va a pasar el camino o carretera. Está pérdida de hábitat desencadena una disminución en la conectividad del ecosistema por un efecto barrera, producido ya sea por mortandad directa o por conductas para evitar*

*las carreteras, lo cual lleva a que las poblaciones grandes y continuas originales se fragmenten en varias poblaciones más pequeñas y aisladas (metapoblaciones). Además, la reducción de conectividad causada por la fragmentación del hábitat altera las dinámicas poblacionales y amenazan la persistencia de las especies, pues entre mayor sea el ancho de la carretera y el tráfico, mayor es el efecto barrera y menor la cantidad de muertes y viceversa.*

*Por otra parte, el efecto de borde trae consigo pérdida de cobertura vegetal, el aumento en la intensidad de luz y el cambio de sustrato y nutrientes a la orilla de las carreteras, lo que facilita el establecimiento de especies invasoras, principalmente plantas cuyas semillas son transportadas por vehículos y corrientes de aire a lo largo de la carretera. De igual manera, las carreteras y sus orillas pueden servir como corredores para el movimiento de fauna no nativa que pueden penetrar los hábitats hasta entonces aislados. La severidad y la distancia de penetración de estos efectos, están modulados por varios factores: (1) por el ancho y la cantidad de dosel sobre la superficie del camino; (2) el nivel al que el borde esté sellado por la vegetación que llene el espacio entre el dosel y sotobosque; y (3) por las cualidades de retención de calor de la superficie de la carretera.*

*La perturbación por el ruido del transporte provoca que las poblaciones divididas por la carretera se separen aún más, pues muchas especies son susceptibles a esta alteración y evitan la cercanía a las carreteras, lo que provoca una disminución de la densidad poblacional en sus cercanías hasta en una tercera parte en comparación con la densidad original.*

*Los efectos de las carreteras en los procesos hidrológicos, comúnmente asociados a la interferencia de los patrones de flujo, afectan diversos procesos de los ecosistemas como la conectividad de hábitats, producción primaria, descomposición y el ciclo de nutrientes. Cuando la estructura de una carretera falla, se pueden producir deslaves o torrentes de residuos que pueden afectar seriamente los hábitats de los cuerpos y corrientes de agua. De igual forma las lluvias suelen arrastrar residuos que se encuentran en la carretera y transportarlos hasta los cuerpos de agua afectando la calidad de ésta. Las carreteras producen un patrón de pérdida de hábitas acuáticos que difiere del patrón terrestre; sin embargo, resulta en la fragmentación de los ecosistemas acuáticos. La sedimentación (particularmente durante la construcción de caminos) y la obstrucción al paso de los peces (por estructuras de cruce de carreteras o fragmentación) son dos de los factores ambientales que provocan las diferencias en las densidades y distribución de peces cerca de los caminos. Respecto al muestreo de fauna, el documento menciona que éste se realizó en la época de invierno, utilizando un esfuerzo de muestreo de 5 días. Si bien, en la información adicional se justifica el tamaño de muestra para la parte de fauna, no se menciona la justificación de la temporalidad del muestreo, por lo que es importante mencionar, que si el muestreo no se llevó a cabo en diferentes épocas del año, generando un estudio que abarcará las diferentes épocas en el sitio, se pudieron omitir especies migratorias en los listados presentados, por lo que el proyecto puede afectar zonas de descanso. Debido a las actividades pretendidas en el proyecto, se debe de analizar exhaustivamente la presencia y abundancia de especies de flora y fauna, para hacer una correcta evaluación del ecosistema y determinar que no se perderán los servicios ambientales en términos de biodiversidad, además que la fragmentación provocada, no alterará las condiciones de las poblaciones presentes en el sitio. Se observó que el proyecto considera establecerse en zonas prioritarias para la conservación, las cuales pueden sufrir fragmentación. Los daños se pueden traducir en pérdida de biodiversidad, afectación en la captación de agua, áreas potenciales para la invasión de especies exóticas, erosión y pérdida de suelo, contaminación del agua (cuerpos superficiales y*

*mantos acuíferos), por lo que no puede asegurar que no se comprometerá la biodiversidad del sitio, especialmente, referido a las especies amenazadas y prioritarias. Sin información integral, seria y comprometida, principalmente en los puntos anteriormente mencionados, será difícil mitigar o implementar medidas eficaces en pro de la conservación y el mantenimiento de la biodiversidad, que a largo plazo se traducen también en afectaciones a las propias actividades humanas, pues se pierden o se merman los servicios ambientales que nos proveen, mismas que son indispensables para nuestra propia supervivencia.*

***Factores de consideración***

*Es pertinente aclarar que esta opinión técnica no representa un análisis completo de todos los aspectos del ETJ, está enfocada principalmente a aspectos referentes a la flora y la fauna presentes en la región donde se sitúa la propuesta y, de las afectaciones a los procesos y las relaciones entre ellos, para que las acciones a realizar disminuyan o restauren los impactos a las mismas.*

VIII. Que mediante oficio N° SGPA/DGGFS/712/1385/18 de fecha 31 de mayo de 2018, esta Dirección General de Gestión Forestal y de Suelos, reiteró a Jorge Abel López Sánchez, en su carácter de Delegado Federal de la SEMARNAT en el estado de Sinaloa, realizar la visita técnica del proyecto ***"Construcción del eje interestatal carretera Culiacán-Parral, tramo San José del Barranco-Los Frailes, Km 106+000.000 a 136+281.214",*** con ubicación en el o los municipio(s) de Badiraguato en el estado de Sinaloa.

IX. Que mediante oficio N° SG/145/2.2/0436/18/1301 de fecha 04 de junio de 2018, recibido en esta Dirección General de Gestión Forestal y de Suelos el día 08 de junio de 2018, la Delegación Federal de la SEMARNAT en el estado de Sinaloa, remitió el informe de la visita técnica realizada al o los predio(s) objeto de la solicitud de autorización de cambio de uso del suelo en terrenos forestales para el desarrollo del proyecto denominado ***"Construcción del eje interestatal carretera Culiacán-Parral, tramo San José del Barranco-Los Frailes, Km 106+000.000 a 136+281.214",*** con ubicación en el o los municipio(s) de Badiraguato en el estado de Sinaloa y la opinión del Consejo Estatal Forestal, donde se desprende lo siguiente:

**Del informe de la Visita Técnica**

*- Durante la visita de campo al área del proyecto se verificaron coordenadas de los vértices de los polígonos con GPS tipo Garmin, además se utilizó una tableta con GPS en la cual se podía observar la delimitación de los polígonos, los vértices, la ubicación geográfica y del usuario e imágenes satelitales, con lo que se constató que lo observado en campo concuerda con lo manifestado en el estudio técnico justificativo (ETJ).*

*- Se verificaron las coordenadas de los vértices que delimitan el área solicitada para realizar el cambio de uso del suelo con GPS tipo Garmin, además se utilizó una tableta con GPS, se realizó el recorrido por cada uno de los polígonos del proyecto en donde se verificaron las coordenadas y vértices, las cuales correspondían con las que se manifestaron en el ETJ.*

*- Durante la visita al área no se observó la existencia de remoción de vegetación forestal que haya implicado el cambio de uso del suelo en terrenos forestales para el desarrollo del proyecto.*

*- Los sitios de muestreo de vegetación de la microcuenca y del área del proyecto se verificaron de forma circular, de acuerdo a la metodología manifestada en el ETJ.*

*En el CUSTF: Se efectuaron muestreos de vegetación en los sitios siguientes: de la Selva baja caducifolia en el sitio AP2 (X: 286513, Y: 2843307), sitio AP4 (X: 287942, Y: 2843284), sitio AP6 (X: 290219, Y: 2843509); del Bosque encino-pino en el sitio AP9 (X: 292646, Y: 2844167), sitio AP13 (X: 292656, Y: 2841481), sitio AP16 (X: 294060, Y: 2841093); del Bosque de pino-encino en el sitio AP18 (X: 294267, Y: 2841359), sitio AP21 (X: 294712, Y: 2841539), sitio AP26 (X: 296590, Y: 2839319); y del Bosque de ayarín en el sitio AP29 (X: 297948, Y: 2840538).*

*En la microcuenca: Se efectuaron muestreos de vegetación en los sitios siguientes: de la Selva baja caducifolia en el sitio MC01 (X: 291096, Y: 2843762), sitio MC04 (X: 288514, Y: 2842968), sitio MC07 (X: 285464, Y: 2841966); del Bosque encino-pino en el sitio MC10 (X: 294567, Y: 2842922), sitio MC13 (X: 291924, Y: 28400753), sitio MC18 (X: 298788, Y: 2839452); del Bosque de pino-encino en el sitio AP21 (X: 296673, Y: 2838763), sitio AP23 (X: 296771, Y: 2840483), Sitio AP26 (X: 295427, Y: 2841571); y de Bosque de ayarín en el sitio AP29 (X: 296707, Y: 2839245).*

*Se verificó el número de individuos por especie, los datos dasométricos, alturas de los organismos en los sitios dentro del área solicitada para cambio de uso del suelo y de la microcuenca en las coordenadas arriba señaladas, coincidiendo la información manifestada en el ETJ con la encontrada en campo.*

*- El proyecto no se cruza por cauces o cuerpos de agua temporal o permanente, por lo que no se afectará zonas federales.*

*- En cuanto a las especies de flora y fauna registradas en la NOM-059-SEMARNAT-2010 que serán afectadas por el proyecto, corresponden con las manifestadas en el estudio antes citado.*

*- El estado de conservación de la vegetación forestal que será afectada, corresponde a vegetación primaria y se encuentra en buen estado de conservación.*

*- Con la concordancia del número de organismos, alturas y datos dasométricos de las especies encontradas en los sitios de muestreo dentro del área del proyecto, se constata que la estimación de los volúmenes que se estiman en el ETJ es correcta.*

*- En cuanto a los servicios ambientales que serán afectados por el proyecto, corresponden con lo manifestado en el estudio antes referido.*

*- El área de cambio de uso del suelo en terrenos forestales no ha sido afectada por algún incendio forestal.*

*- Las medidas de prevención y mitigación de los impactos sobre los recursos agua, suelo y diversidad, son las adecuadas, siempre y cuando se apliquen correctamente.*

*- Se observó que se pueden generar tierras frágiles en el área del proyecto y en las zonas aledañas al proyecto, ya que se identificaron fuertes pendientes, sin embargo, el promovente lo manifiesta en su estudio.*

*- El desarrollo del proyecto es factible ambientalmente, siempre y cuando se apliquen correctamente las medidas de prevención y mitigación propuestas en el estudio.*

**De la opinión del Consejo Estatal Forestal**

*- Se considera factible en su ejecución porque los documentos contienen la suficiente información conforme a lo estipulado en el artículo 17 de la Ley General de Desarrollo Forestal Sustentable, al quedar plenamente justificado que no se compromete la biodiversidad, la pérdida de suelo, capacidad de infiltración y calidad del agua, de acuerdo al documento presentado en dicha reunión.*

*- Se considera favorable que el resolutivo que emita la autoridad, para que sea positiva la autorización por cambio de uso del suelo en los términos que se establecen en citado proyecto y en la normatividad aplicable. Con la sugerencia a la misma autoridad que de conformidad al Índice de Valor de Importancia (I.V.I.) es factible que el área propuesta a restauración quede como ratificada o, en su caso se rectifique de acuerdo a la necesidad altitudinal de las especies a reforestar.*

X. Que mediante oficio N° SGPA/DGGFS/712/1458/18 de fecha 11 de junio de 2018, esta Dirección General de Gestión Forestal y de Suelos, con fundamento en los artículos 2 fracción I, 3 fracción II, 7 fracción XVI, 12 fracción XXIX, 16 fracción XX, 117, 118, 142, 143 de la Ley General de Desarrollo Forestal Sustentable y 120, 121, 122, 123 y 124 de su Reglamento; en los Acuerdos por los que se establecen los niveles de equivalencia para la compensación ambiental por el cambio de uso del suelo en terrenos forestales, los criterios técnicos y el método que deberá observarse para su determinación y en los costos de referencia para la reforestación o restauración y su mantenimiento, publicados en el Diario Oficial de la Federación el 28 de septiembre de 2005 y 31 de julio de 2014 respectivamente, notificó a Héctor Raúl García Fox, en su carácter de Director General del Centro SCT Sinaloa de la Secretaría de Comunicaciones y Transportes, que como parte del procedimiento para expedir la autorización de cambio de uso del suelo en terrenos forestales, debería depositar ante el Fondo Forestal Mexicano, la cantidad de **$11,635,993.69 (once millones seiscientos treinta y cinco mil novecientos noventa y tres pesos 69/100 M.N.),** por concepto de compensación ambiental para ser destinados a las actividades de reforestación o restauración y su mantenimiento en una superficie de 11.1024 hectáreas de Bosque de ayarin, 149.1264 hectáreas de Bosque de encino-pino, 165.5952 hectáreas de Bosque de pino-encino y 163.3008 hectáreas de Selva baja caducifolia, preferentemente en el estado de Sinaloa.

XI. Que mediante oficio N° SCT.6.24.01-1445/2018 de fecha 11 de julio de 2018, recibido en esta Dirección General de Gestión Forestal y de Suelos el día 17 de julio de 2018, el interesado notificó a esta Dirección General haber realizado el depósito al Fondo Forestal Mexicano por la cantidad de **$11,635,993.69 (once millones seiscientos treinta y cinco mil novecientos noventa y tres pesos 69/100 M.N.)** por concepto de compensación ambiental para ser destinados a las actividades de reforestación o restauración y su mantenimiento en una superficie de 11.1024 hectáreas de Bosque de ayarin, 149.1264 hectáreas de Bosque de encino-pino, 165.5952 hectáreas de Bosque de pino-encino y 163.3008 hectáreas de Selva baja caducifolia, preferentemente en el estado de Sinaloa.

Que con vista en las constancias y actuaciones de procedimiento arriba relacionadas, las cuales obran agregadas al expediente en que se actúa; y

## CONSIDERANDO

I. Que esta Dirección General de Gestión Forestal y de Suelos de la Secretaría de Medio Ambiente y Recursos Naturales, es competente para dictar la presente resolución, de conformidad con lo dispuesto por los artículos 19 fracciones XX y XXV, 33 fracciones I y V del Reglamento Interior de la Secretaría de Medio Ambiente y Recursos Naturales.

II. Que la vía intentada por el interesado con su escrito de mérito, es la procedente para instaurar el procedimiento de autorización de cambio de uso del suelo en terrenos forestales, conforme a lo establecido en los artículos 12 fracción XXIX, 16 fracción XX, 117 y 118 de la Ley General de Desarrollo Forestal Sustentable, así como 120 al 127 de su Reglamento.

III. Que con el objeto de verificar el cumplimiento de los requisitos de solicitud establecidos por los artículos 15 de la Ley Federal de Procedimiento Administrativo, así como 120 y 121 del Reglamento de la Ley General de Desarrollo Forestal Sustentable, esta autoridad administrativa se abocó a la revisión de la información y documentación que fue proporcionada por el promovente, mediante sus escritos de solicitud y subsecuentes, considerando lo siguiente:

1.- Por lo que corresponde al cumplimiento de los requisitos de solicitud establecidos en el artículo 15 de la Ley Federal de Procedimiento Administrativo, párrafos segundo y tercero, esta disposición establece:

*Artículo 15...*

*Las promociones deberán hacerse por escrito en el que se precisará el nombre, denominación o razón social de quién o quiénes promuevan, en su caso de su representante legal, domicilio para recibir notificaciones así como nombre de la persona o personas autorizadas para recibirlas, la petición que se formula, los hechos o razones que dan motivo a la petición, el órgano administrativo a que se dirigen y lugar y fecha de su emisión. El escrito deberá estar firmado por el interesado o su representante legal, a menos que no sepa o no pueda firmar, caso en el cual se imprimirá su huella digital.*

*El promovente deberá adjuntar a su escrito los documentos que acrediten su personalidad, así como los que en cada caso sean requeridos en los ordenamientos respectivos.*

Con vista en las constancias que obran en el expediente en que se actúa, se advierte que los requisitos previstos por el artículo 15 de la Ley Federal de Procedimiento Administrativo, párrafo segundo y tercero fueron satisfechos mediante oficio N° SCT.6.24.01-357/2018 de fecha 26 de febrero de 2018, el cual fue signado por Héctor Raúl García Fox, en su carácter de Director General del Centro SCT Sinaloa de la Secretaria de Comunicaciones y Transportes, dirigido al Director General de Gestión Forestal y de Suelos de la Secretaria de Medio Ambiente y Recursos Naturales, en el cual solicita la autorización de cambio de uso del suelo en terrenos forestales, por una superficie de 101.901 hectáreas, para el desarrollo del proyecto denominado ***"Construcción del eje interestatal carretera Culiacán-Parral, tramo San José del Barranco-Los Frailes, Km 106+000.000 a 136+281.214"***, con ubicación en el o los municipio(s) de Badiraguato en el estado de Sinaloa. Asimismo, se acreditó la personalidad del promovente en el presente procedimiento, mediante copia certificada del nombramiento por medio del cual se designa a Héctor Raúl García Fox como Director General del Centro SCT Sinaloa de la Secretaría de Comunicaciones y Transportes, así como copia simple de su credencial de elector, emitida por el Instituto Nacional Electoral.

2.- Por lo que corresponde al cumplimiento de los requisitos de solicitud establecidos en el artículo 120 del Reglamento de la Ley General de Desarrollo Forestal Sustentable (RLGDFS), que dispone:

*Artículo 120. Para solicitar la autorización de cambio de uso del suelo en terrenos forestales, el interesado deberá solicitarlo mediante el formato que expida la Secretaría, el cual contendrá lo siguiente:*

*I.- Nombre, denominación o razón social y domicilio del solicitante;*

*II.- Lugar y fecha;*

*III.-Datos y ubicación del predio o conjunto de predios, y*

*IV.- Superficie forestal solicitada para el cambio de uso del suelo y el tipo de vegetación por afectar.*

*Junto con la solicitud deberá presentarse el estudio técnico justificativo, así como copia simple de la identificación oficial del solicitante y original o copia certificada del título de propiedad, debidamente inscrito en el registro público que corresponda o, en su caso, del documento que acredite la posesión o el derecho para realizar actividades que impliquen el cambio de uso del suelo en terrenos forestales, así como copia simple para su cotejo. Tratándose de ejidos o comunidades agrarias, deberá presentarse original o copia certificada del acta de asamblea en la que conste el acuerdo de cambio de uso del suelo en el terreno respectivo, así como copia simple para su cotejo.*

Con vista en las constancias que obran en el expediente, se advierte que los requisitos previstos por el artículo 120, párrafo primero del Reglamento de la Ley General de Desarrollo Forestal Sustentable, fueron satisfechos mediante la presentación del formato de solicitud de autorización de cambio de uso del suelo en terrenos forestales FF-SEMARNAT-030, debidamente requisitado y firmado por el interesado, donde se asientan los datos que dicho párrafo señala.

Por lo que corresponde al requisito establecido en el citado artículo 120, párrafo segundo del RLGDFS, consistente en presentar el estudio técnico justificativo del proyecto en cuestión, éste fue satisfecho mediante el documento denominado estudio técnico justificativo que fue exhibido por el interesado adjunto a su solicitud de mérito, el cual se encuentra firmado por Héctor Raúl García Fox, en su carácter de Director General del Centro SCT Sinaloa de la Secretaría de Comunicaciones y Transportes, así como por David Molina González, en su carácter de representante legal de SERVICIOS TÉCNICOS PARA EL MEDIO AMBIENTE S.C., en su carácter de responsable técnico de la elaboración del mismo, quien se encuentra inscrito en el Registro Forestal Nacional como prestador de servicios técnicos forestales persona moral, en el Lib. MICH T-VI Vol. 2 Núm. 14 Año 15.

Por lo que corresponde al requisito previsto en el citado artículo 120, párrafo segundo del RLGDFS, consistente en presentar original o copia certificada del título de propiedad, debidamente inscrito en el registro público que corresponda o, en su caso, del documento que acredite la posesión o el derecho para realizar actividades que impliquen el cambio de uso del suelo en terrenos forestales, éstos quedaron satisfechos en el presente expediente con la documentación legal citada en los Resultandos I y III.

3.- Por lo que corresponde al cumplimiento de los requisitos de contenido del estudio técnico justificativo, los cuales se encuentran establecidos en el artículo 121 del RLGDFS, que dispone:

*Artículo 121. Los estudios técnicos justificativos a que hace referencia el artículo 117 de la Ley, deberán contener la información siguiente:*

*I.- Usos que se pretendan dar al terreno;*

*II.- Ubicación y superficie del predio o conjunto de predios, así como la delimitación de la porción en que se pretenda realizar el cambio de uso del suelo en los terrenos forestales, a través de planos georreferenciados;*

*III.-Descripción de los elementos físicos y biológicos de la cuenca hidrológico-forestal en donde se ubique el predio;*

*IV.- Descripción de las condiciones del predio que incluya los fines a que esté destinado, clima, tipos de suelo, pendiente media, relieve, hidrografía y tipos de vegetación y de fauna;*

*V.- Estimación del volumen por especie de las materias primas forestales derivadas del cambio de uso del suelo;*

*VI.- Plazo y forma de ejecución del cambio de uso del suelo;*

*VII.- Vegetación que deba respetarse o establecerse para proteger las tierras frágiles;*

*VIII.- Medidas de prevención y mitigación de impactos sobre los recursos forestales, la flora y fauna silvestres, aplicables durante las distintas etapas de desarrollo del cambio de uso del suelo;*

*IX.- Servicios ambientales que pudieran ponerse en riesgo por el cambio de uso del suelo propuesto;*

*X.- Justificación técnica, económica y social que motive la autorización excepcional del cambio de uso del suelo;*

*XI.- Datos de inscripción en el Registro de la persona que haya formulado el estudio y, en su caso, del responsable de dirigir la ejecución;*

*XII.- Aplicación de los criterios establecidos en los programas de ordenamiento ecológico del territorio en sus diferentes categorías;*

*XIII.- Estimación económica de los recursos biológicos forestales del área sujeta al cambio de uso del suelo;*

*XIV.- Estimación del costo de las actividades de restauración con motivo del cambio de uso del suelo, y*

*XV.- En su caso, los demás requisitos que especifiquen las disposiciones aplicables.*

Con vista en las constancias que obran en el expediente, se advierte que los requisitos previstos por el artículo 121 del RLGDFS, fueron satisfechos por el interesado mediante la información vertida en el estudio técnico justificativo y en la información técnica faltante entregada en esta Dirección General, mediante oficios N° SCT.6.24.01-357/2018 y N° SCT.6.24.01-736/2018, de fechas 26 de febrero de 2018 y 12 de abril de 2018, respectivamente.

Por lo anterior, con base en la información y documentación que fue proporcionada por el interesado, esta autoridad administrativa tuvo por satisfechos los requisitos de solicitud previstos por los artículos 120 y 121 del Reglamento de la Ley General de Desarrollo Forestal Sustentable, así como la del artículo 15, párrafos segundo y tercero de la Ley Federal de Procedimiento Administrativo.

IV. Que con el objeto de resolver lo relativo a la demostración de los supuestos normativos que establece el artículo 117, párrafo primero, de la Ley General de Desarrollo Forestal Sustentable, de cuyo cumplimiento depende la autorización de cambio de uso del suelo en terrenos forestales solicitada, esta autoridad administrativa se abocó al estudio de la información y documentación que obra en el expediente, considerando lo siguiente:

El artículo 117, párrafo primero, de la LGDFS, establece:

*ARTÍCULO 117. La Secretaría sólo podrá autorizar el cambio de uso del suelo en terrenos forestales, por excepción, previa opinión técnica de los miembros del Consejo Estatal Forestal de que se trate y con base en los estudios técnicos justificativos que demuestren que no se compromete la biodiversidad, ni se provocará la erosión de los suelos, el deterioro de la calidad del agua o la disminución en su captación; y que los usos alternativos del suelo que se propongan sean más productivos a largo plazo. Estos estudios se deberán considerar en conjunto y no de manera aislada.*

De la lectura de la disposición anteriormente citada, se desprende que a esta autoridad administrativa sólo le está permitido autorizar el cambio de uso del suelo en terrenos forestales, por excepción, cuando el interesado demuestre a través de su estudio técnico justificativo, que se actualizan los supuestos siguientes:

1. Que no se comprometerá la biodiversidad,

2. Que no se provocará la erosión de los suelos,

3. Que no se provocará el deterioro de la calidad del agua o la disminución en su captación, y

4. Que los usos alternativos del suelo que se propongan sean más productivos a largo plazo.

En tal virtud, con base en el análisis de la información técnica proporcionada por el interesado, se entra en el examen de los cuatro supuestos arriba referidos, en los términos que a continuación se indican:

1. Por lo que corresponde al **primero de los supuestos**, referente a la obligación de demostrar que **no se comprometerá la biodiversidad**, se observó lo siguiente:

Del estudio técnico justificativo se desprende lo siguiente:

**Tipos de vegetación presentes en el área de CUSTF**

*Los tipos de vegetación presentes en el área de cambio de uso del suelo en terrenos forestales de acuerdo a la clasificación de vegetación y uso de suelo de INEGI, serie V y de acuerdo a la visita de campo, corresponden a los siguientes: Selva baja caducifolia, Bosque de encino-pino, Bosque de pino-encino y Bosque de ayarín.*

Selva baja caducifolia

*Se desarrolla en condiciones climáticas en donde predominan los tipos cálidos subhúmedos, semisecos o subsecos. La temperatura media anual oscila entre los 18 a 28°C. Las precipitaciones anuales se encuentran entre 300 a 1,500 mm. Con una estación seca bien marcada que va de 6 a 8 meses la cual es muy severa.*

*Se le encuentra desde el nivel del mar hasta unos 1,900 m, rara vez hasta 2,000 m de altitud, principalmente sobre laderas de cerros con suelos de buen drenaje, en la vertiente del golfo no se le ha observado arriba de 800 m, la cual se relaciona con las bajas temperaturas que ahí se tienen si se le compara con lugares de igual altitud de la vertiente del pacífico.*

*Los componentes arbóreos de esta selva presentan baja altura, normalmente de 4 a 10 m*

*(eventualmente hasta 15 m). El estrato herbáceo es bastante reducido y sólo se puede apreciar después de que ha empezado claramente la época de lluvias y retoñan o germinan las especies herbáceas. Las formas de vidas crasas y suculentas son frecuentes, especialmente en los géneros Agave, Opuntia, Stenocereus y Cephalocereus.*

Bosque de encino-pino

*Comunidad que se distribuye principalmente en los sistemas montañosos del país, concentrándose la mayor parte en: Sierra Madre Occidental, Eje Neovolcánico y Sierra Madre del Sur y en menor proporción Sierra Madre Oriental, Cordillera Centroamericana, Sierras de Chiapas y Guatemala, Llanura Costera del Golfo Norte, Mesa del Centro y Península de Baja California. Se desarrolla en climas templados, semifrios, semicálidos y, cálidos húmedos y subhúmedos con lluvias en verano, con una temperatura que oscila entre los 10 y 28° C y una precipitación total anual que varía desde los 600 a 2,500 mm, en cuanto a la altitud oscila desde los 300 y 2,800 m. La exposición puede presentarse desde plana hasta aquellas que están orientadas hacia el norte, sur, este y oeste. El sustrato donde se desarrolla esta comunidad es de origen ígneo como tobas y riolitas y sedimentarias como las calizas principalmente, se establece en los siguientes tipos de suelo: leptosoles, luvisoles, regosoles, phaeozem y en menor proporción los durisoles y umbrisoles.*

*Estas comunidades están conformadas por encinos (Quercus spp.) y en menor proporción pinos (Pinus spp.). Se desarrolla principalmente en áreas de mayor importancia forestal, en los límites altitudinales inferiores de los bosques de pino-encino. Estas comunidades muestran menor porte y altura que aquellos donde domina el pino sobre el encino con una altura de 8 a 35 m. Son árboles perennifolios y caducifolios, la floración y fructificación es variable durante todo el año. Las especies más representativas en estas comunidades son encino laurelillo (Quercus laurina), encino nopis (Q. magnoliifolia), encino blanco (Q. candicans), roble (Q. crassifolia), encino quebracho (Q. rugosa), encino tesmolillo (Q. crassipes), encino cucharo (Q. urbanii), charrasquillo (Q. microphylla), encino colorado (Q. castanea), encino prieto (Q. laeta), laurelillo (Q. mexicana), Q. glaucoides, Q. scytophylla, pino chino (Pinus leiophylla), pino (P. hartwegii), ocote blanco (P. montezumae), pino lacio (P. pseudostrobus), pino (P. rudis), pino escobetón (P. devoniana (P. michoacana)), pino chino (P. teocote), ocote trompillo (P. oocarpa), pino ayacahuite (P. ayacahuite), pino (P. pringlei), P. duranguensis, P. chihuahuana, P. engelmanii, P. lawsoni, y P. oaxacana.*

Bosque de pino-encino

*Son comunidades vegetales características de las zonas montañosas de México. Se distribuyen en la Sierra Madre Oriental, Sierra Madre Occidental, Eje Neovolcánico y Sierra Madre del Sur. En climas templados, semifrios, semicálidos y, cálidos húmedos y subhúmedos con lluvias en verano, con temperaturas que oscilan entre los 10 y 28° C y una precipitación que va de los 600 a los 2,500 mm anuales. Su mayor distribución se localiza entre los 1,200 a 3,200 m, aunque se les puede encontrar a menor altitud. La exposición puede presentarse desde plana hasta aquellas que están orientadas hacia el norte, sur, este y oeste. Se establecen en sustrato ígneo y menor proporción sedimentaria y metamórfica, sobre suelos someros, profundos y rocosos como cambisoles, leptosoles, luvisoles, regosoles, entre otros.*

*Alcanzan alturas de 8 hasta los 35 m, las comunidades están conformadas por diferentes especies de pino (Pinus spp.) y encino (Quercus spp.); pero con dominancia de las primeras. La transición del bosque de encino al de pino está determinada (en condiciones naturales) por el gradiente altitudinal. Son arboles perennifolios y caducifolios, la floración y fructificación*

*es variable durante todo el año. Estas mezclas son frecuentes y ocupan muchas condiciones de distribución. Algunas de las especies más comunes son pino chino (Pinus leiophylla), pino (P. hartwegii), ocote blanco (P. montezumae), pino lacio (P. pseudostrobus), pino (P. rudis), pino escobetón (P. devoniana (P. michoacana)), pino chino (P. teocote), ocote trompillo (P. oocarpa), pino ayacahuite (P. ayacahuite), pino (P. pringlei), P. duranguensis, P. chihuahuana, P. engelmannii, P. lawsoni, P. oaxacana, encino laurelillo (Quercus laurina), encino (Q. magnoliifolia), encino blanco (Q. candicans), roble (Q. crassifolia), encino quebracho (Q. rugosa), encino tesmolillo (Q. crassipes), encino cucharo (Q. urbanii), charrasquillo (Q. microphylla), encino colorado (Q. castanea), encino prieto (Q. laeta), laurelillo (Q. mexicana), Q. glaucoides y Q. scytophylla.*

Bosque de ayarín

*Comunidad que se encuentra en lugares muy localizados y en pequeños manchones de la Sierra Madre Occidental en los estados de Sonora, Chihuahua, Durango y Coahuila y en la Sierra Madre Oriental en los estados de Nuevo León y Tamaulipas; hacia el Sur en el Eje Neovolcánico en el estado de Puebla e Hidalgo, recientemente reportado para Oaxaca, preferentemente en laderas y cañadas a lo largo de corrientes de agua o valles muy protegidos. Los climas donde se desarrolla son templado y semifrío subhúmedos con lluvias en verano, con una temperatura que varía de los 5 a los 22 °C y una precipitación anual que oscila a entre los 600 a 1,600 mm. Se localiza entre los 1,500 y 3,400 metros de altitud. Con una pendiente que oscila entre los 20 a 65%, la exposición preferentemente es norte noreste y noroeste.*

*El tipo de roca donde se establecen es ígnea y sedimentaria, se desarrolla sobre suelos con textura franco-arenosa, profundos y bien drenados como cambisoles, leptosoles, luvisoles, entre otros. La fisonomía de estos bosques es característica por sus especies de porte alto, con alturas que van de los 15 a los 40 m. Árboles perennifolios con un periodo de floración de abril a mayo, la maduración de los conos se presenta de agosto a octubre. La dominancia de estos árboles se presenta en las alturas de 30 a 35 m. Los géneros más representativos de este bosque son Pseudotsuga spp. o Picea spp., ambos conocidos como ayarín o pinabete; se desarrolla en condiciones ecológicas similares a las del oyamel (Abies spp.) y veces se le encuentra mezclados con cedro blanco (Cupressus sp.).*

Metodología de muestreo

*Para determinar los valores de importancia ecológica, parámetros bióticos y estimación de los índices de diversidad y equitatividad por especies de flora, se realizó un muestreo sistemático en los tipos de vegetación que serán sometidos a cambio de uso del suelo. El muestreo sistemático consiste en elegir un sitio y a partir del sitio, a intervalos constantes, se eligen los demás hasta completar la muestra.*

*Conforme se indica en la CONAFOR en las metodologías correspondientes, la precisión que se demanda en las estimaciones de la proporción de la población cuando es del 5% con una confiablidad del 95%, es la siguiente: se recomienda emplear una intensidad de muestreo de 0.5% cuando se tienen superficies de 50 hectáreas o mayores, 0.75% de 20.1 a 50 hectáreas, 1% de 10.1 a 20 hectáreas, 1.5% de 6.1 a 10 hectáreas, 2% de 3.1 a 6 hectáreas y 2.5% de 1 a 3 hectáreas.*

*Conforme a la superficie indicada por tipo de vegetación en el área de cambio de uso del suelo en terrenos forestales, la distribución de los tipos de vegetación fue para Selva baja caducifolia 34.021 hectáreas, para Bosque de encino-pino 31.068 hectáreas, para Bosque de*

*pino-encino 34.499 hectáreas y para Bosque de ayarin 2.313 hectáreas.*

Tanto para la microcuenca hidrológico forestal, como para el área de cambio de uso del suelo en terrenos forestales se establecieron sitios de muestreo circulares, pero con diferentes radios para los estratos arbóreo, arbustivo y herbáceo. El radio establecido para cada sitio de muestreo del estrato arbóreo fue de 17.84 metros de radio, el radio establecido para cada sitio de muestreo del estrato arbustivo fue de 6 metros, mientras que el radio establecido para cada sitio de muestreo en el estrato herbáceo fue de 1 metro. Los sitios de muestreo en los diferentes estratos resultaron anidados.

Para el tipo de vegetación de Selva baja caducifolia se establecieron 15 sitios de muestreo, de los cuales 8 sitios de muestreo se ubicaron en la microcuenca hidrológico forestal y 7 sitios de muestreo se ubicaron en el área de cambio de uso del suelo en terrenos forestales; para el tipo de vegetación de Bosque de encino-pino se establecieron 20 sitios de muestreo, de los cuales 11 sitios de muestreo se ubicaron en la microcuenca hidrológico forestal y 9 sitios de muestreo se ubicaron en el área de CUSTF; para el tipo de vegetación de Bosque de pino-encino se establecieron 26 sitios de muestreo, de los cuales 14 sitios de muestreo se ubicaron en la microcuenca hidrológico forestal y 12 sitios de muestreo se ubicaron en el área de CUSTF; para el tipo de vegetación de Bosque de ayarin se establecieron 4 sitios de muestreo, de los cuales 3 sitios de muestreo se ubicaron en la microcuenca hidrológico forestal y un sitio de muestreo se ubicó en el área de CUSTF.

**Índice de Valor de Importancia (I.V.I.)**

*El I.V.I. es el parámetro que estima el aporte o significación ecológica de cada especie en la comunidad, el valor máximo es 300, mientras más se acerque una especie a este valor, mayor será su importancia ecológica y dominio floristico sobre las demás especies, la fórmula es la siguiente:*

*I.V.I. = Densidad Relativa (DR) + Frecuencia Relativa (FR) + Dominancia Relativa (DomR)*

**Índice de diversidad**

*Con la finalidad de poder comparar la diversidad y equidad relativa en los sistemas analizados se utilizó la fórmula de Shannon-Wiener, la cual se usa en ecologia para medir la biodiversidad de la flora en un sitio establecido. Este índice se representa normalmente como H' y se expresa con un número positivo, que usualmente puede variar entre 0 y aproximadamente 5, aunque dependerá también de la base del logaritmo que se utilice:*

*La fórmula del índice de Shannon-Wiener es la siguiente:*

$H' = Epi * Ln(pi)$

*H'= Índice de diversidad de Shannon-Wiener*
*E = Sumatoria*
*Ln= Logaritmo natural*
*pi= Número de individuos de la especie i dividido entre el número total de individuos*

**Selva baja caducifolia**

Estrato arbóreo

Como se puede observar a continuación, las especies con mayor abundancia en la MHF

fueron *Ipomea arborescens, Guazuma ulmifolia, Acacia pennatula, Lysiloma divaricatum, Bocconia arborea* y *Stemmadenia tomentosa,* con 89, 84, 43, 36, 19 y 19 individuos por hectárea, respectivamente; las especies con mayor abundancia en el área de CUSTF fueron *Lysiloma divaricatum, Ipomea arborescens, Guazuma ulmifolia, Acacia pennatula* y *Karwinskia parvifolia,* con 161, 109, 40, 20 y 19 individuos por hectárea, respectivamente.

Respecto al I.V.I. en la MHF, las especies *Ipomea arborescens* (52.08), *Guazuma ulmifolia* (39.61), *Lysiloma divaricatum* (26.28), *Acacia pennatula* (22.16) y *Stemmadenia tomentosa* (17.5) obtuvieron los mayores valores; correspondiente al I.V.I. en el área de cambio de uso del suelo en terrenos forestales, las especies *Lysiloma divaricatum* (46.46), *Ipomea arborescens* (42.31), *Quercus albocincta* (36.14), *Guazuma ulmifolia* (16.15) y *Bursera simaruba* (14.69) obtuvieron los mayores valores.

| Especie | Ind/ha | | I.V.I. | |
|---|---|---|---|---|
| | MHF | CUSTF | MHF | CUSTF |
| *Acacia pennatula* | 43 | 20 | 22.16 | 14.57 |
| *Annona cherimola* | 1 | 1 | 5.53 | 2.95 |
| *Bocconia arborea* | 19 | 3 | 10.64 | 4.91 |
| *Bursera excelsa* | 4 | 11 | 8.56 | 7.59 |
| *Bursera odorata* | 4 | 1 | 9.59 | 3.79 |
| *Bursera simaruba* | 4 | 13 | 10.54 | 14.69 |
| *Ceiba acuminata* | 6 | 13 | 6.90 | 13.58 |
| *Celtis pallida* | 5 | 10 | 11.80 | 6.84 |
| *Conzattia sericea* | 3 | 3 | 7.03 | 3.48 |
| *Dalbergia granadillo* | 1 | 0 | 5.53 | 0 |
| *Erythrina lanata* | 1 | 0 | 6.09 | 0 |
| *Erythrina occidentalis* | 3 | 4 | 7.43 | 11.38 |
| *Eupatorium areolare* | 1 | 0 | 5.53 | 0 |
| *Eysenhardtia polystachya* | 3 | 4 | 8.52 | 7.71 |
| *Ficus cotinifolia* | 1 | 0 | 9.58 | 0 |
| *Guazuma ulmifolia* | 84 | 40 | 39.61 | 16.15 |
| *Heliocarpus palmeri* | 1 | 9 | 4.11 | 6.51 |
| *Ipomea arborescens* | 89 | 109 | 52.08 | 42.31 |
| *Karwinskia humboldtiana* | 3 | 0 | 4.33 | 0 |
| *Karwinskia parvifolia* | 0 | 19 | 0 | 10.82 |
| *Lippia umbellata* | 4 | 9 | 7.43 | 5.53 |
| *Lysiloma divaricatum* | 36 | 161 | 26.28 | 46.46 |
| *Quercus albocincta* | 0 | 1 | 0 | 36.14 |
| *Quercus crassifolia* | 0 | 3 | 0 | 7.21 |
| *Quercus laeta* | 0 | 3 | 0 | 12.26 |
| *Quercus perpallida* | 0 | 1 | 0 | 14.06 |
| *Randia echinocarpa* | 6 | 1 | 7.55 | 2.45 |
| *Randia laetevirens* | 3 | 3 | 5.64 | 3.38 |
| *Stemmadenia tomentosa* | 19 | 3 | 17.50 | 5.23 |
| **TOTAL** | 341 | 446 | 300 | 300 |

Para el presente estrato se registraron 24 especies tanto para la MHF, como para el área de CUSTF. Asimismo, se presentó un índice de diversidad (Shannon-Wiener) mayor para la MHF con 2.222 y una equidad de 0.699, en comparación con el área de cambio de uso del

suelo en terrenos forestales que presentó un índice de diversidad (Shannon-Wiener) de 2.111 y una equidad de 0.664.

Estrato arbustivo

Como se puede observar a continuación, las especies que se presentaron en la MHF fueron *Stemmadenia tomentosa, Pachycereus pecten-aboriginum, Ipomea arborescens* y *Acacia pennatula*, las cuales cuentan con una abundancia de 155, 111, 22 y 11 individuos por hectárea, respectivamente; las especies que se presentaron en el área de CUSTF fueron *Montanoa arborescens, Eupatorium areolare, Cordia cilindrostachya, Celtis pallida* y *Karwinskia parvifolia*, las cuales cuentan con una abundancia de 594, 126, 76, 13 y 13 individuos por hectárea, respectivamente.

Respecto al I.V.I. en la MHF, *Stemmadenia tomentosa, Pachycereus pecten-aboriginum, Ipomea arborescens* y *Acacia pennatula* presentaron 122.08, 66.55, 65.81 y 45.56, respectivamente; correspondiente al I.V.I. en el área de cambio de uso del suelo en terrenos forestales, *Montanoa arborescens, Eupatorium areolare, Cordia cilindrostachya, Celtis pallida* y *Karwinskia parvifolia* presentaron 148.68, 55.78, 44.82, 27.48 y 23.25, respectivamente.

| Especie | Ind/ha | | I.V.I. | |
|---|---|---|---|---|
| | MHF | CUSTF | MHF | CUSTF |
| Acacia pennatula | 11 | 0 | 45.56 | 0 |
| Celtis pallida | 0 | 13 | 0 | 27.48 |
| Cordia cilindrostachya | 0 | 76 | 0 | 44.82 |
| Eupatorium areolare | 0 | 126 | 0 | 55.78 |
| Ipomea arborescens | 22 | 0 | 65.81 | 0 |
| Karwinskia parvifolia | 0 | 13 | 0 | 23.25 |
| Montanoa arborescens | 0 | 594 | 0 | 148.68 |
| Pachycereus pecten-aboriginum | 111 | 0 | 66.55 | 0 |
| Stemmadenia tomentosa | 155 | 0 | 122.08 | 0 |
| TOTAL | 299 | 822 | 300 | 300 |

Para el presente estrato se registraron 4 especies para la MHF y 5 especies para el área de CUSTF. Asimismo, se presentó un índice de diversidad (Shannon-Wiener) mayor para la MHF con 1 y una equidad de 0.64, en comparación con el área de cambio de uso del suelo en terrenos forestales que presentó un índice de diversidad (Shannon-Wiener) de 0.9 y una equidad de 0.54.

Estrato herbáceo

Para el presente estrato se registró una especie *(Eupatorium areolare)* en la MHF, la cual presenta una abundancia de 797 individuos por hectárea, mientras que para el área de cambio de uso del suelo en terrenos forestales se registraron dos especies *(Adiantum trapeziforme* y *Aphananthe monoica)*, las cuales presentaron una abundancia de 455 individuos por hectárea, cada especie, respectivamente.

El I.V.I. de *Eupatorium areolare* en la MHF resulto de 300, mientras que el I.V.I. de *Adiantum trapeziforme* y *Aphananthe monoica* resulto de 160 y 140, respectivamente. Debido a las pocas especies que se presentaron en la MHF y en el área de CUSTF, los índices de diversidad (Shannon-Wiener) resultaron de bajos a nulos.

**Bosque de encino-pino**

Estrato arbóreo

Como se puede observar a continuación, las especies con mayor abundancia en la MHF fueron *Quercus scytophylla, Pinus durangensis, Pinus arizonica, Quercus coccolobifolia* y *Arbutus bicolor*, con 45, 30, 22, 22 y 21 individuos por hectárea, respectivamente; las especies con mayor abundancia en el área de CUSTF fueron *Pinus durangensis, Quercus epileuca, Quercus castanea, Quercus crassifolia* y *Pinus lumholtzii,* con 34, 27, 27, 23 y 21 individuos por hectárea, respectivamente.

Respecto al I.V.I. en la MHF, las especies *Quercus scytophylla* (29.85), *Pinus durangensis* (27.68), *Arbutus bicolor* (15.69), *Quercus omissa* (14.81) y *Pinus arizonica* (14.79) obtuvieron los mayores valores; correspondiente al I.V.I. en el área de cambio de uso del suelo en terrenos forestales, las especies *Pinus durangensis* (37.74), *Quercus durifolia* (26.31), *Quercus crassifolia* (25.76), *Quercus gentryi* (25.75) y *Quercus castanea* (22.17) obtuvieron los mayores valores.

| Especie | Ind/ha | | I.V.I. | |
|---|---|---|---|---|
| | MHF | CUSTF | MHF | CUSTF |
| *Acacia pennatula* | 0 | 3 | 0 | 3.97 |
| *Alnus glabrata* | 5 | 0 | 11.45 | 0 |
| *Arbutus bicolor* | 21 | 18 | 15.69 | 19.35 |
| *Arbutus tesellata* | 11 | 1 | 7.75 | 3.07 |
| *Bocconia arborea* | 0 | 1 | 0 | 7.23 |
| *Buddleja cordata* | 1 | 0 | 1.93 | 0 |
| *Dalbergia granadillo* | 0 | 1 | 0 | 3.22 |
| *Eupatorium areolare* | 0 | 1 | 0 | 2.99 |
| *Ipomea arborescens* | 2 | 0 | 3.32 | 0 |
| *Juniperus deppeana* | 6 | 0 | 6.08 | 0 |
| *Lippia umbellata* | 0 | 1 | 0 | 4.17 |
| *Pinus arizonica* | 22 | 4 | 14.79 | 13.28 |
| *Pinus ayacahuite* | 5 | 1 | 11.71 | 4.66 |
| *Pinus durangensis* | 30 | 34 | 27.68 | 37.74 |
| *Pinus engelmannii* | 18 | 3 | 14.71 | 6.83 |
| *Pinus herrerae* | 4 | 0 | 11.00 | 0 |
| *Pinus leiophylla* | 8 | 0 | 12.37 | 0 |
| *Pinus lumholtzii* | 3 | 21 | 7.54 | 15.16 |
| *Quercus albocincta* | 3 | 0 | 9.16 | 0 |
| *Quercus castanea* | 10 | 27 | 10.48 | 22.17 |
| *Quercus chihuahuensis* | 1 | 1 | 7.97 | 17.92 |
| *Quercus coccolobifolia* | 22 | 1 | 11.72 | 3.62 |
| *Quercus crassifolia* | 10 | 23 | 12.16 | 25.76 |
| *Quercus durifolia* | 14 | 11 | 9.99 | 26.31 |
| *Quercus eduardi* | 2 | 1 | 5.53 | 4.17 |
| *Quercus epileuca* | 12 | 27 | 12.37 | 15.07 |
| *Quercus gentryi* | 4 | 13 | 6.70 | 25.75 |
| *Quercus magnolifolia* | 3 | 3 | 9.08 | 7.90 |
| *Quercus omissa* | 16 | 2 | 14.81 | 6.02 |
| *Quercus perpallida* | 1 | 1 | 3.94 | 5.82 |
| *Quercus scytophylla* | 45 | 11 | 29.85 | 7.52 |
| *Quercus viminea* | 8 | 13 | 10.22 | 10.12 |
| **TOTAL** | 285 | 227 | 300 | 300 |

Para el presente estrato se registraron 27 especies para la MHF y 25 especies para el área

de CUSTF. Asimismo, se presentó un índice de diversidad (Shannon-Wiener) mayor para la MHF con 2.887 y una equidad de 0.876, en comparación con el área de cambio de uso del suelo en terrenos forestales que presentó un índice de diversidad (Shannon-Wiener) de 2.643 y una equidad de 0.821.

Estrato arbustivo

Como se puede observar a continuación, las especies con mayor abundancia en la MHF fueron *Pinus durangensis, Juniperus deppeana, Pinus arizonica, Agave bovicornuta, Quercus albocincta* y *Buddleja cordata,* con 129, 112, 32, 24, 16 y 16 individuos por hectárea, respectivamente.

Las especies con mayor abundancia en el área de CUSTF fueron *Eupatorium areolare*, *Montanoa arborescens*, *Agave bovicornuta* y *Arbutus bicolor*, con 295, 147, 29 y 20 individuos por hectárea, respectivamente.

Respecto al I.V.I. en la MHF, las especies *Pinus durangensis* (69.07), *Juniperus deppeana* (60.32), *Pinus lumholtzii* (39.07), *Pinus arizonica* (35.9) y *Buddleja cordata* (31.8) obtuvieron los mayores valores.

Correspondiente al I.V.I. en el área de cambio de uso del suelo en terrenos forestales, las especies *Eupatorium areolare* (136.4), *Montanoa arborescens* (47.83), *Agave bovicornuta* (25.98) y *Arbutus bicolor* (25.97) obtuvieron los mayores valores.

| Especie | Ind/ha | | I.V.I. | |
|---|---|---|---|---|
| | MHF | CUSTF | MHF | CUSTF |
| *Agave bovicornuta* | 24 | 29 | 18.07 | 25.98 |
| *Arbutus bicolor* | 0 | 20 | 0 | 25.97 |
| *Arbutus tessellata* | 0 | 10 | 0 | 15.70 |
| *Buddleja cordata* | 16 | 0 | 31.80 | 0 |
| *Eupatorium areolare* | 0 | 295 | 0 | 136.40 |
| *Juniperus deppeana* | 112 | 0 | 60.32 | 0 |
| *Montanoa arborescens* | 0 | 147 | 0 | 47.83 |
| *Pinus arizonica* | 32 | 0 | 35.90 | 0 |
| *Pinus durangensis* | 129 | 0 | 69.07 | 0 |
| *Pinus lumholtzii* | 8 | 0 | 39.07 | 0 |
| *Quercus albocincta* | 16 | 0 | 30.50 | 0 |
| *Quercus durifolia* | 0 | 10 | 0 | 23.35 |
| *Quercus eduardii* | 8 | 0 | 15.27 | 0 |
| *Quercus viminea* | 0 | 10 | 0 | 24.79 |
| TOTAL | 345 | 521 | 300 | 300 |

Para el presente estrato se registraron 8 especies para la MHF y 7 especies para el área de CUSTF. Asimismo, se presentó un índice de diversidad (Shannon-Wiener) mayor para la MHF con 1.61 y una equidad de 0.67, en comparación con el área de cambio de uso del suelo en terrenos forestales que presentó un índice de diversidad (Shannon-Wiener) de 1.2 y una equidad de 0.61.

Estrato herbáceo

Como se puede observar a continuación, las especies que se presentaron en la MHF fueron *Eupatorium areolare, Eupatorium serotinum* y *Pteridium aquilinum,* las cuales cuentan con una abundancia de 3,764, 2,895 y 2,316 individuos por hectárea, respectivamente.

Las especies que se presentaron en el área de CUSTF fueron *Stevia monardifolia, Eupatorium odoratum, Eupatorium areolare* y *Andropogon gayanus,* las cuales cuentan con

| Especie | Ind/ha | | I.V.I. | |
|---|---|---|---|---|
| | MHF | CUSTF | MHF | CUSTF |
| *Abies durangensis* | 10 | 0 | 8.64 | 0 |
| *Alnus glabrata* | 93 | 55 | 34.27 | 34.21 |
| *Arbutus bicolor* | 19 | 38 | 13.79 | 27.92 |
| *Arbutus tesellata* | 1 | 0 | 4.39 | 0 |
| *Buddleja cordata* | 0 | 1 | 0 | 2.19 |
| *Juniperus deppeana* | 9 | 3 | 9.44 | 8.79 |
| *Pinus arizonica* | 66 | 7 | 24.06 | 10.94 |
| *Pinus ayacahuite* | 23 | 8 | 15.37 | 13.97 |
| *Pinus durangensis* | 136 | 92 | 45.97 | 50.35 |
| *Pinus herrerae* | 19 | 7 | 16.65 | 11.04 |
| *Pinus leiophylla* | 21 | 21 | 12.55 | 16.97 |
| *Pinus lumholtzii* | 3 | 2 | 4.15 | 11.20 |
| *Prunus caputi* | 2 | 0 | 4.80 | 0 |
| *Quercus castanea* | 6 | 3 | 9.43 | 7.05 |
| *Quercus coccolobifolia* | 0 | 10 | 0 | 15.32 |
| *Quercus crassifolia* | 2 | 5 | 30.52 | 19.14 |
| *Quercus durifolia* | 5 | 0 | 8.74 | 0 |
| *Quercus eduardi* | 2 | 3 | 13.67 | 8.23 |
| *Quercus epileuca* | 6 | 9 | 9.10 | 23.26 |
| *Quercus laeta* | 2 | 0 | 8.10 | 0 |
| *Quercus omissa* | 7 | 20 | 8.01 | 14.60 |
| *Quercus scytophylla* | 22 | 23 | 18.14 | 22.60 |
| **TOTAL** | 454 | 306 | 300 | 300 |

Para el presente estrato se registraron 20 especies para la MHF y 17 especies para el área de CUSTF. Asimismo, se presentó un índice de diversidad (Shannon-Wiener) menor para la MHF con 2.207 y una equidad de 0.737, en comparación con el área de cambio de uso del suelo en terrenos forestales que presentó un índice de diversidad (Shannon-Wiener) de 2.209 y una equidad de 0.78.

Estrato arbustivo

Como se puede observar a continuación, las especies con mayor abundancia en la MHF fueron *Pinus durangensis, Pinus arizonica, Arbutus bicolor, Quercus scytophylla* y *Eupatorium serotinum*, con 107, 76, 51, 44 y 38 individuos por hectárea, respectivamente; las especies con mayor abundancia en el área de CUSTF fueron *Eupatorium serotinum, Cordia cilindrostachya, Quercus coccolobifolia, Rondeletia leucophylla* y *Arbutus bicolor*, con 265, 251, 103, 103 y 81 individuos por hectárea, respectivamente.

una abundancia de 2,477, 708, 354 y 354 individuos por hectárea, respectivamente.

Respecto al I.V.I. en la MHF, *Eupatorium areolare*, *Eupatorium serotinum* y *Pteridium aquilinum* presentaron 160.47, 73.81 y 65.72, respectivamente.

Correspondiente al I.V.I. en el área de cambio de uso del suelo en terrenos forestales, *Stevia monardifolia*, *Andropogon gayanus*, *Eupatorium odoratum* y *Eupatorium areolare* presentaron 106.82, 88.64, 56.82 y 47.73, respectivamente.

| Especie | Ind/ha | | I.V.I. | |
|---|---|---|---|---|
| | MHF | CUSTF | MHF | CUSTF |
| Andropogon gayanus | 0 | 354 | 0 | 88.64 |
| Eupatorium areolare | 3,764 | 354 | 160.47 | 47.73 |
| Eupatorium odoratum | 0 | 708 | 0 | 56.82 |
| Eupatorium serotinum | 2,895 | 0 | 73.81 | 0 |
| Pteridium aquilinum | 2,316 | 0 | 65.72 | 0 |
| Stevia monardifolia | 0 | 2,477 | 0 | 106.82 |
| TOTAL | 8,975 | 3,892 | 300 | 300 |

Para el presente estrato se registraron 3 especies para la MHF y 4 especies para el área de CUSTF. Asimismo, se presentó un índice de diversidad (Shannon-Wiener) mayor para la MHF con 1.08 y una equidad de 0.98, en comparación con el área de cambio de uso del suelo en terrenos forestales que presentó un índice de diversidad (Shannon-Wiener) de 1 y una equidad de 0.75.

*Dalbergia granadillo* (peligro de extinción, no endémica) es la única especie presente en el área de cambio de uso del suelo en terrenos forestales del tipo de vegetación de Bosque de encino-pino, listada en la NOM-059-SEMARNAT-2010.

**Bosque de pino-encino**

Estrato arbóreo

Como se puede observar a continuación, las especies con mayor abundancia en la MHF fueron *Pinus durangensis*, *Alnus glabrata*, *Pinus arizonica*, *Pinus ayacahuite* y *Quercus scytophylla*, con 136, 93, 66, 23 y 22 individuos por hectárea, respectivamente.

Las especies con mayor abundancia en el área de CUSTF fueron *Pinus durangensis*, *Alnus glabrata*, *Arbutus bicolor*, *Quercus scytophylla* y *Pinus leiophylla*, con 92, 55, 38, 23 y 21 individuos, respectivamente.

Respecto al I.V.I. en la MHF, las especies *Pinus durangensis* (45.97), *Alnus glabrata* (34.27), *Quercus crassifolia* (30.52), *Pinus arizonica* (24.06) y *Quercus scytophylla* (18.14) obtuvieron los mayores valores.

Correspondiente al I.V.I. en el área de cambio de uso del suelo en terrenos forestales, las especies *Pinus durangensis* (50.35), *Alnus glabrata* (34.21), *Arbutus bicolor* (27.92), *Quercus epilouca* (23.26) y *Quercus scytophylla* (22.6) obtuvieron los mayores valores.

Respecto al I.V.I. en la MHF, las especies *Pinus durangensis* (53.05), *Pinus arizonica* (40.85), *Arbutus bicolor* (29.63), *Eupatorium serotinum* (26.38) y *Quercus scytophylla* (24.77) obtuvieron los mayores valores; correspondiente al I.V.I. en el área de cambio de uso del suelo en terrenos forestales, las especies *Eupatorium serotinum* (48.42), *Cordia cilindrostachya* (39.74), *Arbutus bicolor* (33.01), *Alnus glabrata* (27.1) y *Quercus epileuca* (19.73) obtuvieron los mayores valores.

| Especie | Ind/ha | | I.V.I. | |
|---|---|---|---|---|
| | MHF | CUSTF | MHF | CUSTF |
| *Alnus glabrata* | 25 | 37 | 23.77 | 27.10 |
| *Arbutus bicolor* | 51 | 81 | 29.63 | 33.01 |
| *Arbutus tesellata* | 0 | 7 | 0 | 11.73 |
| *Cordia cilindrostachya* | 0 | 251 | 0 | 39.74 |
| *Echinocereus ortegae* | 6 | 0 | 13.24 | 0 |
| *Eupatorium areolare* | 0 | 29 | 0 | 9.27 |
| *Eupatorium serotinum* | 38 | 265 | 26.38 | 48.42 |
| *Juniperus depoeana* | 13 | 22 | 14.49 | 17.07 |
| *Mammillaria senilis* | 13 | 0 | 10.67 | 0 |
| *Pinus arizonica* | 76 | 0 | 40.85 | 0 |
| *Pinus ayacahuite* | 6 | 0 | 11.92 | 0 |
| *Pinus durangensis* | 107 | 7 | 53.05 | 15.33 |
| *Quercus castanea* | 6 | 0 | 11.92 | 0 |
| *Quercus coccolobifolia* | 0 | 103 | 0 | 18.62 |
| *Quercus crassifolia* | 6 | 7 | 10.73 | 11.73 |
| *Quercus epileuca* | 13 | 7 | 14.49 | 19.73 |
| *Quercus omissa* | 19 | 15 | 14.10 | 19.11 |
| *Quercus scytophylla* | 44 | 7 | 24.77 | 11.73 |
| *Rondeletia leucophylla* | 0 | 103 | 0 | 17.42 |
| **TOTAL** | 424 | 944 | 300 | 300 |

Para el presente estrato se registraron 14 especies tanto para la MHF, como para el área de CUSTF. Asimismo, se presentó un índice de diversidad (Shannon-Wiener) mayor para la MHF con 2.2 y una equidad de 0.85, en comparación con el área de cambio de uso del suelo en terrenos forestales que presentó un índice de diversidad (Shannon-Wiener) de 2 y una equidad de 0.75.

Estrato herbáceo

Como se puede observar a continuación, las especies que se presentaron en la MHF fueron *Eupatorium serotinum, Priva lappulacea, Eupatorium areolare, Pteridium aquilinum* y *Stevia monardifolia*, las cuales cuentan con una abundancia de 2,502, 2,502, 2,047, 1,820 y 455 individuos por hectárea, respectivamente; las especies que se presentaron en el área de CUSTF fueron *Pteridium aquilinum, Eupatorium serotinum, Eupatorium areolare, Stevia salicifolia, Eupatorium odoratum* y *Bidens odorata*, las cuales cuentan con una abundancia de 4,512, 2,654, 1,327, 1,327, 531 y 265 individuos por hectárea, respectivamente.

Respecto al I.V.I. en la MHF, *Eupatorium areolare, Pteridium aquilinum, Priva lappulacea, Eupatorium serotinum* y *Stevia monardifolia* presentaron 78.42, 65.08, 64.85, 57.70 y 33.96,

respectivamente; correspondiente al I.V.I. en el área de cambio de uso del suelo en terrenos forestales, *Pteridium aquilinum, Eupatorium serotinum, Eupatorium areolare, Eupatorium odoratum, Stevia salicifolia* y *Bidens odorata* presentaron 80.5, 75.4, 73.75, 32.84, 25.53 y 11.97, respectivamente.

| Especie | Ind/ha | | I.V.I. | |
|---|---|---|---|---|
| | MHF | CUSTF | MHF | CUSTF |
| *Bidens odorata* | 0 | 265 | 0 | 11.97 |
| *Eupatorium areolare* | 2,047 | 1,327 | 78.42 | 73.75 |
| *Eupatorium odoratum* | 0 | 531 | 0 | 32.84 |
| *Eupatorium serotinum* | 2,502 | 2,654 | 57.70 | 75.4 |
| *Prina lappulacea* | 2,502 | 0 | 64.85 | 0 |
| *Pteridium aquilinum* | 1,820 | 4,512 | 65.08 | 80.5 |
| *Stevia monardifolia* | 455 | 0 | 33.96 | 0 |
| *Stevia salicifolia* | 0 | 1,327 | 0 | 25.53 |
| TOTAL | 9,327 | 10,616 | 300 | 300 |

Para el presente estrato se registraron 5 especies para la MHF y 6 especies para el área de CUSTF. Asimismo, se presentó un índice de diversidad (Shannon-Wiener) mayor para la MHF con 1.51 y una equidad de 0.94, en comparación con el área de cambio de uso del suelo en terrenos forestales que presentó un índice de diversidad (Shannon-Wiener) de 1.5 y una equidad de 0.82.

**Bosque de ayarín**

Estrato arbóreo

Como se puede observar a continuación, las especies con mayor abundancia en la MHF fueron *Abies durangensis, Quercus scytophylla y Alnus glabrata*, con 147, 33 y 27 individuos por hectárea, respectivamente; las especies con mayor abundancia en el área de CUSTF fueron *Pinus durangensis, Pseudotsuga menziesii, Pinus ayacahuite, Quercus scytophylla* y *Quercus omissa*, con 100, 90, 40, 20 y 20 individuos por hectárea, respectivamente.

Respecto al I.V.I. en la MHF, las especies *Abies durangensis* (55.33), *Pinus herrerae* (30.55) y *Quercus scytophylla* (29.27) obtuvieron los mayores valores; correspondiente al I.V.I. en el área de cambio de uso del suelo en terrenos forestales, las especies *Pseudotsuga menziesii* (75.17), *Quercus omissa* (73.16), *Pinus durangensis* (41.69), *Quercus scytophylla* (33.91) y *Quercus epileuca* (19.45) obtuvieron los mayores valores.

| Especie | Ind/ha | | I.V.I. | |
|---|---|---|---|---|
| | MHF | CUSTF | MHF | CUSTF |
| *Abies durangensis* | 147 | 0 | 55.33 | 0 |
| *Alnus glabrata* | 27 | 10 | 20.53 | 15.82 |
| *Arbutus bicolor* | 23 | 0 | 13.98 | 0 |
| *Arbutus tessellata* | 3 | 0 | 7.56 | 0 |
| *Budleja cordata* | 3 | 0 | 10.47 | 0 |
| *Pinus arizonica* | 3 | 0 | 13.41 | 0 |
| *Pinus ayacahuite* | 17 | 40 | 14.45 | 25.71 |
| *Pinus durangensis* | 23 | 100 | 21.55 | 41.69 |
| *Pinus herrerae* | 10 | 0 | 30.55 | 0 |
| *Pinus teophylla* | 23 | 0 | 15.91 | 0 |
| *Prunus capuli* | 7 | 0 | 10.53 | 0 |
| *Pseudotsuga menziesii* | 23 | 90 | 16.34 | 75.17 |
| *Quercus epileuca* | 13 | 10 | 19.45 | 33.53 |
| *Quercus omissa* | 17 | 20 | 21.61 | 73.16 |
| *Quercus scytophyla* | 33 | 20 | 29.27 | 33.91 |
| TOTAL | 373 | 290 | 300 | 300 |

Para el presente estrato se registraron 15 especies para la MHF y 7 especies para el área de CUSTF. Asimismo, se presentó un índice de diversidad (Shannon-Wiener) mayor para la

MHF con 2.156 y una equidad de 0.796, en comparación con el área de cambio de uso del suelo en terrenos forestales que presentó un índice de diversidad (Shannon-Wiener) de 1.605 y una equidad de 0.825.

Estrato arbustivo

Como se puede observar a continuación, las especies que se presentaron en la MHF fueron *Abies durangensis, Pseudotsuga menziesii, Pinus ayacahuite, Pinus durangensis, Alnus glabrata* y *Arbutus bicolor,* las cuales cuentan con una abundancia de 295, 147, 88, 88, 59 y 29 individuos por hectárea, respectivamente; las especies que se presentaron en el área de CUSTF fueron *Pseudotsuga menziesii* y *Pinus durangensis,* las cuales cuentan con una abundancia de 354 y 266 individuos por hectárea, respectivamente.

Respecto al I.V.I. en la MHF, *Abies durangensis, Pseudotsuga menziesii, Pinus ayacahuite, Arbutus bicolor, Alnus glabrata* y *Pinus durangensis* presentaron 74.82, 66.91, 44.95, 39.91, 37.73 y 35.68, respectivamente; correspondiente al I.V.I. en el área de cambio de uso del suelo en terrenos forestales, *Pseudotsuga menziesii* y *Pinus durangensis* presentaron 158.82 y 141.18, respectivamente.

| Especie | Ind/ha | | I.V.I. | |
|---|---|---|---|---|
| | MHF | CUSTF | MHF | CUSTF |
| Abies durangensis | 295 | 0 | 74.82 | 0 |
| Alnus glabrata | 59 | 0 | 37.73 | 0 |
| Arbutus bicolor | 29 | 0 | 39.91 | 0 |
| Pinus ayacahuite | 88 | 0 | 44.95 | 0 |
| Pinus durangensis | 88 | 266 | 35.68 | 141.18 |
| Pseudotsuga menziesii | 147 | 354 | 66.91 | 158.82 |
| TOTAL | 708 | 620 | 300 | 300 |

Para el presente estrato se registraron 6 especies para la MHF y 2 especies para el área de CUSTF. Asimismo, se presentó un índice de diversidad (Shannon-Wiener) mayor para la MHF con 1.6 y una equidad de 0.87, en comparación con el área de cambio de uso del suelo en terrenos forestales que presentó un índice de diversidad (Shannon-Wiener) de 0.7 y una equidad de 0.99.

Estrato herbáceo

Para el presente estrato se registraron 2 especies para la MHF y ninguna especie en el área de cambio de uso del suelo en terrenos forestales, las especies que se presentaron fueron *Stevia monardifolia* y *Eupatorium areolare*, las cuales cuentan con una abundancia de 2,123 individuos por hectárea, cada una de las especies. Respecto al I.V.I. en la MHF, *Stevia monardifolia* y *Eupatorium areolare* presentaron 177.05 y 122.95, respectivamente. Debido a las pocas especies que se presentaron en la MHF y ninguna en el área de CUSTF, los índices de diversidad (Shannon-Wiener) resultaron de bajos a nulos.

**Medidas de mitigación**

Para mitigar el daño que se causará a la vegetación, debido al cambio de uso del suelo en terrenos forestales, se llevará a cabo el programa de rescate y reubicación de especies de la vegetación forestal, anexo al presente resolutivo.

Conforme al análisis de densidad realizado y de acuerdo al estado de conservación, se determinaron las especies a rescatar, las cuales son las siguientes: *Acacia pennatula, Agave bovicornuta, Arbutus bicolor, Arbutus tesellata, Bocconia arborea, Buddleja cordata, Bursera excelsa, Bursera simaruba, Ceiba acuminata, Celtis pallida, Cordia cilindrostachya, Dalbergia granadillo, Erythrina occidentalis, Eysenhardtia polystachya, Heliocarpus palmeri, Juniperus deppeana, Karwinskia parvifolia, Lippia umbellata, Lysiloma divaricatum, Montanoa arborescens, Pinus durangensis, Pinus lumholtzii, Pseudotsuga menziesii, Quercus albocincta, Quercus castanea, Quercus coccolobifolia, Quercus crassifolia, Quercus durifolia, Quercus eduardii, Quercus epileuca, Quercus gentryi, Quercus laeta, Quercus omissa, Quercus perpallida, Quercus viminea* y *Rondeletia leucophylla.*

Es importante indicar que conforme al análisis realizado *Eupatorium areolare* y *Eupatorium serotinum* no fueron incluidas en el programa de rescate y reubicación de especies de la vegetación forestal, debido a su hábito (herbáceo) o porque su distribución es amplia en México.

**Fauna**

*De acuerdo con la revisión realizada, la fauna potencial que puede distribuirse en la microcuenca de estudio, se compone de especies de vertebrados de los cuales cuentan con 137 especies para la ornitofauna y 26 especies tanto para la mastofauna, como para la herpetofauna.*

**Metodología de muestreo**

*El método utilizado fue el transecto en franja, llevando a cabo un conteo total de cada individuo, observando directa o indirectamente en el área delimitada de cada transecto, este método consiste en una modificación del muestreo de cada cuadrante, que facilita la tarea de contar todos los individuos en la unidad de muestreo. El cuadrante es una faja angosta y larga en forma de rectángulo que es recorrida por el observador, a través de la línea central, contando todos los individuos dentro de la franja muestral.*

Se muestrearon un total de 60 transectos, de los cuales se establecieron 30 transectos tanto para la microcuenca hidrológico forestal como para el área de cambio de uso del suelo en terrenos forestales. Los transectos establecidos para la microcuenca hidrológico forestal fueron de quinientos metros de largo por diez metros de ancho, mientras que los transectos establecidos para el área de cambio de uso del suelo en terrenos forestales fueron de 200 metros de largo por diez metros de ancho.

**Índice de diversidad**

*Con la finalidad de poder comparar la diversidad y equidad relativa en los sistemas analizados se utilizó la fórmula de Shannon-Wiener, el cual se usa en ecología para medir la biodiversidad de la fauna en un sitio establecido. Este índice se representa normalmente como H' y se expresa con un número positivo, que usualmente puede variar entre 0 y aproximadamente 5, aunque dependerá también de la base del logaritmo que se utilice:*

*La fórmula del índice de Shannon-Wiener es la siguiente:*

$H' = Epi^{*}Ln(pi)$

*H'= Índice de diversidad de Shannon-Wiener*
*E = Sumatoria*
*Ln= Logaritmo natural*
*pi= Número de individuos de la especie i dividido entre el número total de individuos*

**Aves**

Conforme a la información presentada en el estudio técnico justificativo, se registraron 120 especies en la MHF y 84 especies en el área de cambio de uso del suelo en terrenos forestales.

| Especie | Abundancia MHF | Abundancia CUSTF | Especie | Abundancia MHF | Abundancia CUSTF | Especie | Abundancia MHF | Abundancia CUSTF |
|---|---|---|---|---|---|---|---|---|
| *Accipiter cooperii* | 2 | 3 | *Ergaticus ruber* | 1 | 0 | *Picoides scalaris* | 2 | 2 |
| *Aeronautes saxatalis* | 17 | 3 | *Euptilotis neoxenus* | 1 | 1 | *Picoides villosus* | 1 | 1 |
| *Amazilia beryllina* | 12 | 3 | *Falco peregrinus* | 3 | 3 | *Pipilo maculatus* | 5 | 2 |
| *Amazilia violiceps* | 1 | 1 | *Falco sparverius* | 7 | 0 | *Piranga erythrocephala* | 1 | 1 |
| *Amazona finschi* | 14 | 9 | *Forpus cyanopygius* | 10 | 4 | *Piranga flava* | 3 | 2 |
| *Aphelocoma ultramarina* | 1 | 0 | *Geococcyx californianus* | 1 | 0 | *Piranga rubra* | 1 | 0 |
| *Ara militaris* | 8 | 4 | *Glaucidium brasilianum* | 1 | 1 | *Poecile sclateri* | 2 | 2 |
| *Aratinga canicularis* | 5 | 3 | *Glaucidium gnoma* | 1 | 1 | *Polioptila nigriceps* | 1 | 1 |
| *Archilochus alexandri* | 3 | 0 | *Hirundo rustica* | 10 | 6 | *Quiscalus mexicanus* | 5 | 6 |
| *Ardea alba* | 2 | 3 | *Hylocharis leucotis* | 5 | 5 | *Saltator coerulescens* | 2 | 2 |
| *Atlapetes pileatus* | 3 | 0 | *Icterus cucullatus* | 10 | 2 | *Sayornis nigricans* | 2 | 2 |
| *Baeolophus wollweberi* | 2 | 1 | *Icterus pustulatus* | 11 | 5 | *Sayornis phoebe* | 2 | 0 |
| *Basileuterus rufifrons* | 5 | 0 | *Icterus wagleri* | 1 | 1 | *Selasphorus platycercus* | 1 | 0 |
| *Bubo virginianus* | 1 | 1 | *Junco phaeonotus* | 2 | 0 | *Setophaga coronata* | 4 | 0 |
| *Buteo albonotatus* | 1 | 1 | *Lanius ludovicianus* | 1 | 1 | *Setophaga graciae* | 1 | 0 |
| *Buteo jamaicensis* | 2 | 1 | *Leptotila verreauxi* | 2 | 0 | *Setophaga occidentalis* | 5 | 4 |
| *Buteo nitidus* | 3 | 3 | *Melanerpes formicivorus* | 5 | 0 | *Setophaga townsendi* | 2 | 0 |
| *Buteogallus anthracinus* | 1 | 1 | *Melanotis caerulescens* | 1 | 1 | *Sialia sialis* | 5 | 0 |
| *Buteogallus urubitinga* | 3 | 1 | *Melozone kieneri* | 1 | 1 | *Stelgidopteryx serripennis* | 4 | 2 |
| *Callipepla douglasii* | 4 | 1 | *Mimus polyglottos* | 5 | 2 | *Streptopelia decaocto* | 1 | 0 |
| *Calocitta colliei* | 9 | 2 | *Mitrephanes phaeocercus* | 21 | 11 | *Strix occidentalis* | 1 | 1 |
| *Campylorhynchus gularis* | 9 | 0 | *Myiodynastes luteiventris* | 1 | 1 | *Thryothorus felix* | 8 | 6 |
| *Caracara cheriway* | 1 | 2 | *Molothrus aeneus* | 1 | 1 | *Thryothorus sinaloa* | 1 | 1 |
| *Cardinalis cardinalis* | 2 | 1 | *Momotus mexicanus* | 1 | 1 | *Tityra semifasciata* | 2 | 2 |
| *Carduelis notata* | 1 | 1 | *Myadestes occidentalis* | 3 | 3 | *Troglodytes aedon* | 5 | 3 |
| *Carduelis psaltria* | 6 | 3 | *Myiarchus tuberculifer* | 1 | 0 | *Trogon elegans* | 5 | 3 |
| *Carpodacus mexicanus* | 8 | 3 | *Myiarchus tyrannulus* | 1 | 0 | *Trogon mexicanus* | 2 | 2 |
| *Cathartes aura* | 1 | 2 | *Myioborus miniatus* | 14 | 4 | *Turdus assimilis* | 1 | 1 |
| *Certhia americana* | 2 | 0 | *Myioborus pictus* | 7 | 0 | *Turdus rufopalliatus* | 4 | 4 |
| *Coccyzus americanus* | 1 | 0 | *Ortalis wagleri* | 3 | 4 | *Tyrannus crassirostris* | 1 | 1 |
| *Colaptes auratus* | 10 | 7 | *Pachyramphus aglaiae* | 4 | 0 | *Tyrannus melancholicus* | 1 | 0 |
| *Columbina inca* | 15 | 19 | *Parabuteo unicinctus* | 1 | 2 | *Vermivora ruficapilla* | 2 | 0 |
| *Columbina passerina* | 1 | 1 | *Parula pitiayumi* | 1 | 0 | *Vireo bellii* | 1 | 1 |
| *Columbina talpacoti* | 1 | 0 | *Passer domesticus* | 11 | 5 | *Vireo gilvus* | 3 | 4 |
| *Contopus pertinax* | 2 | 0 | *Passerina versicolor* | 3 | 2 | *Vireo plumbeus* | 2 | 2 |
| *Coragyps atratus* | 14 | 6 | *Patagioenas fasciata* | 6 | 3 | *Wilsonia pusilla* | 2 | 0 |
| *Corvus corax* | 1 | 4 | *Patagioenas flavirostris* | 2 | 1 | *Zenaida asiatica* | 10 | 0 |
| *Crotophaga sulcirostris* | 1 | 1 | *Peucaea botterii* | 2 | 2 | *Zenaida macroura* | 5 | 4 |
| *Cyanocitta stelleri* | 5 | 0 | *Pheucticus chrysopeplus* | 5 | 0 | **TOTAL** | 463 | 230 |
| *Dryocopus lineatus* | 2 | 2 | *Pheucticus melanocephalus* | 5 | 0 | | | |
| *Empidonax difficilis* | 1 | 1 | *Picoides arizonae* | 2 | 0 | | | |

En la MHF las especies identificadas con mayor abundancia fueron *Mitrephanes phaeocercus, Aeronautes saxatalis, Columbina inca, Amazona finschi, Coragyps atratus, Myioborus miniatus* y *Amazilia beryllina,* las cuales presentaron una abundancia de 21, 17, 15, 14, 14, 14 y 12 individuos, respectivamente; mientras que para el área de cambio de uso del suelo en terrenos forestales *Columbina inca, Mitrephanes phaeocercus, Amazona finschi*

y *Colaptes auratus* presentaron una abundancia de 19, 11, 9 y 7 individuos, respectivamente.

Al analizar el índice de diversidad (Shannon-Wiener) se observó en la microcuenca hidrológico forestal un índice mayor (4.38) en comparación con el obtenido en el área de cambio de uso del suelo en terrenos forestales (4.125).

*Accipiter cooperii* (no endémica, sujeta a protección especial), *Amazona finschi* (endémica, en peligro de extinción), *Ara militaris* (no endémica, en peligro de extinción), *Aratinga canicularis* (no endémica, sujeta a protección especial), *Buteo albonotatus* (no endémica, sujeta a protección especial), *Buteo jamaicensis* (endémica, sujeta a protección especial), *Buteogallus anthracinus* (no endémica, sujeta a protección especial), *Buteogallus urubitinga* (no endémica, sujeta a protección especial), *Euptilotis neoxenus* (endémica, amenazada), *Falco peregrinus* (no endémica, sujeta a protección especial), *Forpus cyanopygius* (endémica, sujeta a protección especial), *Myadestes occidentalis* (no endémica, sujeta a protección especial), *Parabuteo unicinctus* (no endémica, sujeta a protección especial), *Patagioenas fasciata* (endémica, sujeta a protección especial) y *Strix occidentalis* (no endémica, amenazada), son las especies registradas (en el presente grupo faunístico) en el área de cambio de uso del suelo en terrenos forestales, listadas en la NOM-059-SEMARNAT-2010. Es importante indicar que el total de especies registradas en el área de cambio de uso del suelo en terrenos forestales, también se registraron en la MHF.

**Anfibios y reptiles**

Conforme a la información presentada en el estudio técnico justificativo, se registraron 24 especies en la MHF y 19 especies en el área de cambio de uso del suelo en terrenos forestales.

| Especie | Abundancia | |
|---|---|---|
| | MHF | CUSTF |
| *Aspidoscelis lineattissimus* | 9 | 7 |
| *Boa constrictor* | 1 | 1 |
| *Craugastor augusti* | 1 | 0 |
| *Crotalus basiliscus* | 3 | 4 |
| *Ctenosaura pectinata* | 4 | 0 |
| *Drymarchon corais* | 1 | 1 |
| *Exerodonta smaragdina* | 1 | 1 |
| *Heloderma horridum* | 5 | 8 |
| *Iguana iguana* | 3 | 2 |
| *Incilius mazatlanensis* | 1 | 2 |
| *Incilius occidentalis* | 1 | 2 |
| *Lampropeltis triangulum* | 2 | 2 |
| *Lithobates forreri* | 1 | 0 |
| *Masticophis flagellum* | 2 | 1 |
| *Micrurus fulvius* | 1 | 2 |
| *Norops nebulosus* | 2 | 1 |
| *Oxybelis aeneus* | 1 | 1 |
| *Phrynosoma orbiculare* | 3 | 3 |
| *Rhinella marina* | 2 | 1 |
| *Salvadora mexicana* | 1 | 1 |
| *Sceloporus clarkii* | 3 | 0 |
| *Sceloporus horridus* | 3 | 2 |
| *Sceloporus magister* | 4 | 3 |
| *Terrapene nelsoni* | 2 | 0 |
| **TOTAL** | 57 | 45 |

En la MHF las especies identificadas con mayor abundancia fueron *Aspidoscelis lineattissimus, Heloderma horridum, Sceloporus magister* y *Ctenosaura pectinata,* las cuales

presentaron una abundancia de 9, 5, 4 y 4 individuos, respectivamente; mientras que para el área de cambio de uso del suelo en terrenos forestales *Heloderma horridum, Aspidoscelis lineattissimus* y *Crotalus basiliscus* presentaron una abundancia de 8, 7 y 4 individuos respectivamente.

Al analizar el índice de diversidad (Shannon-Wiener) se observó en la microcuenca hidrológico forestal un índice mayor (2.95) en comparación del índice obtenido en el área de cambio de uso del suelo en terrenos forestales (2.68).

*Aspidoscelis lineattissimus* (endémica, sujeta a protección especial), *Boa constrictor* (no endémica, amenazada), *Crotalus basiliscus* (endémica, sujeta a protección especial), *Exodonta smaragdina* (endémica, sujeta a protección especial), *Heloderma horridum* (no endémica, amenazada), *Iguana iguana* (no endémica, sujeta a protección especial), *Lampropeltis triangulum* (no endémica, amenazada), *Masticophis flagellum* (no endémica, amenazada), *Micrurus fulvius* (no endémica, sujeta a protección especial), *Phrynosoma orbiculare* (endémica, amenazada) y *Salvadora mexicana* (endémica, sujeta a protección especial), son las únicas especies registradas (en el presente grupo faunístico) en el área de cambio de uso del suelo en terrenos forestales, listadas en la NOM-059-SEMARNAT-2010. Es importante indicar que el total de especies registradas en el área de cambio de uso del suelo en terrenos forestales, también se registraron en la MHF.

**Mamíferos**

Conforme a la información presentada en el estudio técnico justificativo, se registraron 23 especies en la MHF y 17 especies en el área de cambio de uso del suelo en terrenos forestales.

| Especie | Abundancia | |
|---|---|---|
| | MHF | CUSTF |
| *Bassariscus astutus* | 2 | 2 |
| *Canis latrans vigilis* | 3 | 3 |
| *Conepatus mesoleucus leucurus* | 2 | 2 |
| *Dasypus novemcinctus* | 1 | 0 |
| *Didelphis marsupialis* | 2 | 3 |
| *Lasiurus blossevillii* | 5 | 4 |
| *Lepus alleni* | 1 | 1 |
| *Liomys pictus* | 8 | 9 |
| *Lynx rufus escuinapae* | 1 | 1 |
| *Mephitis macroura* | 6 | 5 |
| *Myotis aunculus* | 3 | 0 |
| *Nasua narica* | 1 | 0 |
| *Odocoileus virginianus sinaloae* | 4 | 1 |
| *Procyon lotor* | 1 | 0 |
| *Puma concolor* | 1 | 0 |
| *Sciurus colliaei* | 6 | 12 |
| *Spermophilus variegatus* | 17 | 10 |
| *Sturnira lilium* | 7 | 0 |
| *Sylvilagus audubonii* | 4 | 5 |
| *Tamias dorsalis* | 38 | 13 |
| *Thomomys umbrinus* | 1 | 2 |
| *Tlacuatzin canescens sinaloae* | 4 | 3 |
| *Urocyon cinereoargenteus* | 1 | 2 |
| **TOTAL** | 119 | 78 |

En la MHF las especies identificadas con mayor abundancia fueron *Tamias dorsalis, Spermophilus variegatus, Liomys pictus* y *Sturnira lilium*, las cuales presentaron una abundancia de 38, 17, 8 y 7 individuos, respectivamente; mientras que para el área de

cambio de uso del suelo en terrenos forestales las especies identificadas con mayor abundancia fueron *Tamias dorsalis, Sciurus colliaei, Spermophilus variegatus* y *Liomys pictus,* las cuales presentaron una abundancia de 13, 12, 10 y 9 individuos, respectivamente.

Al analizar el índice de diversidad (Shannon-Wiener) se observó en la microcuenca hidrológico forestal un índice ligeramente menor (2.48) en comparación del índice obtenido en el área de cambio de uso del suelo en terrenos forestales (2.52).

En el presente grupo faunístico no se registró ninguna especie listada en la NOM-059-SEMARNAT-2010. Es importante indicar que el total de especies registradas en el área de cambio de uso del suelo en terrenos forestales, también se registraron en la MHF.

**Medidas de mitigación**

Como medida de mitigación se llevará a cabo el programa de ahuyentamiento, rescate y reubicación de fauna silvestre, donde se especifica lo siguiente:

*El objetivo general de este programa es implementar estrategias generales para rescatar, reubicar y ahuyentar las especies de fauna silvestre encontradas dentro y en los alrededores del área donde se desarrollará el proyecto.*

*Los objetivos particulares serán:*

*Verificar que los sitios de reubicación presenten las condiciones ambientales a las del área donde fueron rescatadas las especies.*

*Realizar las liberaciones de fauna evitando en la medida de lo posible, una sobrecarga en el nuevo sitio.*

*Ejecutar las actividades de rescate previo a la etapa de preparación del sitio, con énfasis en individuos de especies enlistadas en la NOM-059-SEMARNAT-2010.*

*Ahuyentar del área del proyecto a las especies de aves, mamíferos voladores y mamíferos medianos y grandes de hábitos cursoriales, mediante técnicas de amedrentamiento.*

*Capturar a las especies susceptibles de rescate (especies de lento desplazamiento), como anfibios, reptiles y mamíferos pequeños, para su reubicación en un sitio que presente condiciones ambientales similares al sitio donde se encontraban.*

Técnicas de rescate para los diferentes grupos faunísticos

Anfibios y reptiles

*La manipulación de la herpetofauna será llevada a cabo por expertos acreditados. Se efectuará de manera manual en el caso de los anfibios y reptiles no venenosos, tomando a los animales con una mano, por detrás de la cabeza suave, firmemente y con la otra mano se inmovilizará el cuerpo del animal.*

*Para el traslado de los reptiles del área del proyecto, se utilizarán costales de manta de diversos tamaños, dependiendo de las dimensiones del animal.*

*El proceso de manipulación será breve y, únicamente para extraer a los animales del área del proyecto, identificarlos y reubicarlos en un área segura.*

*Los animales capturados se colocarán en bolsas de manta húmeda para transportarlos al área donde serán reubicados. Antes de reubicar a los anfibios rescatados se realizará la clasificación taxonómica de la especie con ayuda de guías de campo y trabajos realizados para la zona de estudio, además de efectuar el registro fotográfico.*

*En el caso de los reptiles se usarán puentes (troncos de madera colocados de la base de la cepa, hasta la base del suelo), pinzas y ganchos herpetológicos para rescatar a los ejemplares que pudieran quedar atrapados en las obras de preparación del sitio.*

Aves

*Las aves del área sólo se verán perturbadas durante el proceso de cambio de uso del suelo, no se capturarán aves para su reubicación, ya que en presencia de un factor agreste, éstas migran a un área circundante de características similares a las de su hábitat.*

*Sin embargo, si se encuentran nidos con huevos, se tratará de colocar los huevos en otros nidos de la misma especie, pero en el caso de encontrar nidos con polluelos se capturará a los progenitores, esto, con el fin de que al rescatar el nido y colocarlos en otro sitio, no sea abandonado por los padres y así evitar la muerte de los polluelos, para dicha actividad se emplearán binoculares (para la localización de nidos) y redes de captura.*

*Antes de reubicar a las aves rescatadas se realizará la clasificación taxonómica de la especie.*

Mastofauna

*Se propone un monitoreo de estaciones olfativas con trampas Tomahawk, previamente cebadas con olores atractivos, las estaciones olfativas serán puestas en los límites del área de estudio para no incitar a que los animales se queden dentro del área.*

*Los animales que pudieran quedar atrapados durante las diferentes actividades del proyecto se manipularán de acuerdo a las técnicas empleadas para mamíferos pequeños. También, se emplearán trampas tipo Sherman, puentes naturales y jaulas (para mamíferos pequeños y medianos). Antes de reubicar a los mamíferos rescatados se realizará la clasificación taxonómica de la especie con ayuda de guías de campo y trabajos realizados para este grupo de vertebrados.*

Asimismo, con el fin de disminuir el riesgo por atropellamiento se contempla la construcción de pasos de fauna.

*Los pasos de fauna son obras importantes y necesarias, destinadas a la seguridad y viabilidad de las especies de fauna silvestre, teniendo en cuenta la variedad en la vida silvestre (desde insectos hasta grandes mamíferos) y su distribución en el hábitat, los pasos de fauna se elaboran en forma de puentes o túneles, ya que la pérdida de fauna es una de las mayores amenazas generadas por la creación de infraestructuras, es por ello que con el establecimiento de los pasos de fauna se reducirá el impacto.*

*Para el establecimiento de los pasos de fauna, es importante definir la ubicación de acuerdo*

*a tres factores:*

*Identificación de los hábitats de interés, distribución de las especies.*

*Identificación de sectores del territorio de interés para la conectividad ecológica, presencia de usos de suelo compatibles con los desplazamientos de fauna.*

*Identificación de tramos conflictivos, en los que se produzca un alto índice de mortandad de fauna o de accidentes causados por colisión de vehículos con grandes mamíferos.*

*De acuerdo con los criterios anteriores para el área del proyecto se definieron veintitrés pasos de fauna, los cuales se establecerán a lo ancho de la carretera, los cuales a continuación se muestran las coordenadas UTM de cada uno, indicando su punto inicial y el final.*

*Paso 1, inicial X-286536 Y-2843322, final X-286518 Y-2843287, alcantarilla. Paso 2, inicial X-287871 Y-2843389, final X-287877 Y-2843430, alcantarilla. Paso 3, inicial X-288267 Y-2843441, final X-288254 Y-2843403, alcantarilla. Paso 4, inicial X-288908 Y-2843453, final X-288930 Y-2843420, alcantarilla. Paso 5, inicial X-289111 Y-2843900, final X-289104 Y-2843939, puente. Paso 6, inicial X-289677 Y-2843951, final X-289710 Y-2843974, alcantarilla. Paso 7, inicial X-290427 Y-2843759, final X-290418 Y-2843720, alcantarilla. Paso 8, inicial X-290713 Y-2844102, final X-290678 Y-2844120, alcantarilla. Paso 9, inicial X-291186 Y-2844358, final X-291166 Y-2844322, puente. Paso 10, inicial X-292750 Y-2844433, final X-292799 Y-2844451, alcantarilla. Paso 11, inicial X-292739 Y-2843954, final X-292701 Y-2843941, alcantarilla. Paso 12, inicial X-292800 Y-2843557, final X-292835 Y-2843534, puente. Paso 13, inicial X-292712 Y-2842465, final X-292733 Y-2842430, puente. Paso 14, inicial X-292114 Y-2842287, final X-292079 Y-2842313, alcantarilla. Paso 15, inicial X-293144 Y-2841624, final X-293184 Y-2841629, puente. Paso 16, inicial X-293934 Y-2841418, final X-293908 Y-2841387, puente. Paso 17, inicial X-294123 Y-2841282, final X-294155 Y-2841314, puente. Paso 18, inicial X-294237 Y-2841410, final X-294260 Y-2841444, alcantarilla. Paso 19, inicial X-294767 Y-2841479, final X-294806 Y-2841488, alcantarilla. Paso 20, inicial X-295843 Y-2840641, final X-295812 Y-2840614, alcantarilla. Paso 21, inicial X-295789 Y-2840353, final X-295810 Y-2840318, puente. Paso 22, inicial X-296045 Y-2839519, final X-296083 Y-2839535, alcantarilla. Paso 23, inicial X-297989 Y-2840581, final X-298005 Y-2840542, alcantarilla.*

*Con el fin de disminuir el impacto sobre la fauna local se deberá capacitar al personal que laborará en el proyecto, enfocándose en la identificación y protección. Además, se instruirá al personal para que respete las siguientes medidas:*

*Se prohíbe cazar cualquier animal dentro y en los alrededores del proyecto.*

*No circular fuera de los sectores habilitados para las obras o caminos relativos al proyecto.*

*Tanto en los caminos de acceso al proyecto, como en los habilitados para el mismo, se deberá circular a una velocidad baja y con precaución, a fin de no arrollar a la fauna que eventualmente se cruce en la vía.*

*No arrojar basura en sitios no habilitados para ello.*

*No recoger y/o mover huevos y crías presentes en el área (en caso de encontrarse).*

*Evitar la introducción de animales de uso doméstico.*

*No alimentar a la fauna silvestre.*

*No realizar fogatas fuera de las áreas designadas.*

Con base en los razonamientos arriba expresados y en los expuestos por el promovente, esta autoridad administrativa considera que se encuentra acreditada la primera de las hipótesis normativas establecidas por el artículo 117 párrafo primero, de la LGDFS, en cuanto a que con éstos ha quedado técnicamente demostrado que el desarrollo del proyecto de cambio de uso del suelo en terrenos forestales en cuestión, **no compromete la biodiversidad**.

2.- Por lo que corresponde al **segundo de los supuestos**, referente a la obligación de demostrar que **no se provocará la erosión de los suelos**, se observó lo siguiente:

Del estudio técnico justificativo, se desprende lo siguiente:

*La edafología (de edafos "suelos"), es la ciencia que estudia la composición y naturaleza del suelo en su relación con las plantas y el entorno que lo rodea. El suelo se origina a partir de la materia madre, producida por los procesos químicos y mecánicos de transformación de las rocas de la superficie terrestre. A esta materia madre se agregan el agua, los gases (sobre todo dióxido de carbono), el tiempo transcurrido, los animales y plantas que descomponen y transforman el humus, dando por resultado una compleja mezcla de materiales orgánicos e inorgánicos, el suelo alcanza su estado de madurez cuando presenta una profundidad y una secuencia de capas llamadas horizontes.*

*De acuerdo con la cartografía del INEGI, escala 1:1,000,000, en la microcuenca hidrológico forestal existen tres tipos de suelo principales, los cuales son: regosol, feozem y cambisol. De los cuales, el tipo de suelo predominante es el regosol.*

*Unidades de suelo*

*Regosol (R): Del griego reghos: manto, cobija o capa de material suelto que cubre a la roca. Suelos ubicados en muy diversos tipos de clima, vegetación y relieve. Tiene poco desarrollo y por ello no presenta capas muy diferenciadas entre sí. En general son claros o pobres en materia orgánica. En México constituyen el segundo tipo de suelo más importante por su extensión. Muchas veces están asociados con litosoles y con afloramientos de roca o tepetate. Frecuentemente son someros, su fertilidad es variable y su productividad está condicionada a la profundidad y pedregosidad.*

*Feozem (H): Del griego phaeo: pardo; y del ruso zemljá: tierra. Literalmente, tierra parda. Suelos que se pueden presentar en cualquier tipo de relieve y clima, excepto en regiones tropicales lluviosas o zonas muy desérticas. Es el cuarto tipo de suelo más abundante en el país. Se caracteriza por tener una capa superficial oscura, suave, rica en materia orgánica y en nutrientes. Los feozems son suelos de profundidad muy variable.*

*Cuando son profundos se encuentran generalmente en terrenos planos y se utilizan para la agricultura de riego o temporal, de granos, legumbres u hortalizas, con rendimientos altos. Los feozems menos profundos, situados en laderas o pendientes, presentan como principal limitante la roca o alguna cimentación muy fuerte en el suelo, tienen rendimientos más bajos*

*y se erosionan con más facilidad, sin embargo, pueden utilizarse para el pastoreo o la ganadería con resultados aceptables.*

*Cambisol (B): Del latín cambiare: cambiar. Literalmente, suelo que cambia. Estos suelos son jóvenes, poco desarrollados y se pueden encontrar en cualquier tipo de vegetación o clima, excepto en los de zonas áridas. Se caracterizan por presentar en el subsuelo una capa con terrones que presentan vestigios del tipo de roca subyacente y que además pueden tener pequeñas acumulaciones de arcilla, carbonato de calcio, fierro o manganeso. También pertenecen a esta unidad algunos suelos muy delgados que están colocados directamente encima de un tepetate. Son muy abundantes, se destinan a muchos usos y sus rendimientos son variables pues dependen del clima donde se encuentre el suelo. Son de moderada a alta susceptibilidad a la erosión.*

*Subunidades de suelo*

*A continuación, se hace una breve descripción de las subunidades de suelo presentes en la microcuenca hidrológico forestal.*

*Eútrico: Del griego eu: bueno. Suelos ligeramente ácidos a alcalinos y más fértiles que los suelos districos. Unidades de suelo: cambisol, fluvisol, gleysol, histosol, nitrosol, planosol y regosol.*

*Háplico: Del griego haplos: simple. Suelos que no presentan características de otras subunidades existentes en ciertos tipos de suelo.*

*Crómico: Del griego kromos. Suelos de color pardo o rojizo, en algunas ocasiones amarillento. Son de fertilidad moderada y con alta capacidad para proporcionar nutrientes a las plantas. Unidades de suelo: cambisol, luvisol y vertisol.*

*Fémico: Del latín ferrum: hierro. Suelos con manchas o nódulos de color rojo a negro cuyo origen se debe a las altas concentraciones de hierro. Son muy ácidos e infértiles. Unidades de suelo: acrisol y luvisol.*

*Clases texturales del suelo*

*La textura del suelo es la característica física del suelo determinada por la proporción relativa en la que se encuentran cada uno de sus componentes minerales o partículas primarias: arena, limo y arcilla. En la microcuenca hidrológico forestal se presentan en su mayoría textura media, seguida de textura gruesa.*

*Textura media: Contiene menos del 35% de arcilla y menos del 65% de arena, comúnmente son llamados francos, equilibrados generalmente en el contenido de arena, arcilla y limo.*

**Erosión hídrica**

*La erosión es la pérdida de suelo fértil, debido a que el agua y el viento normalmente arrastran la capa superficial de la tierra.*

*Uno de los factores importantes en el proceso para controlar la erosión es la evaluación del riesgo de la erosión, el cual tiene como objeto identificar aquellas áreas donde la productividad sostenible de un uso específico de la tierra es amenazada por una pérdida*

*excesiva del suelo.*

*A continuación, se presentan de forma general los factores involucrados en el proceso de erosión y su desarrollo, basándose en la ecuación universal de pérdida del suelo (EUPS), desarrollada por Wischmeier y Smith, 1978. Con ésta se pretende conocer el estado actual del suelo del área de CUSTF en cuanto a degradación erosiva se refiere, con el fin de tener una mayor perspectiva sobre los impactos ambientales que pudieran generarse con la realización del proyecto sobre el componente del suelo.*

*Ecuación universal de pérdida de suelo*

$A = R K L S C P$

*Donde:*

*A = Pérdida de suelo (ton/ha/año)*
*R = Erosividad de la lluvia (Mj mm/ha hr año)*
*K = Erosionabilidad del suelo (ton/hr/Mj mm)*
*L = Factor por longitud de pendiente (adimensional)*
*S = Factor por grado de pendiente (adimensional)*
*C = Factor por cubierta vegetal*
*P = Factor por prácticas de manejo*

*Para estimar la erosión actual se consideraron los factores R, K, L, S y C. En tal caso, se procesaron cada uno de los valores de estos factores, de acuerdo a las características del área de estudio. Esto se llevó a cabo mediante el manejo y procesamiento de capas de información geográfica.*

*Las capas de información geográfica provienen del INEGI, escala 1:250,000, a excepción del modelo digital de elevación (MDE) el cual es escala 1:50,000.*

*Erosividad de la lluvia (R)*

*La erosividad de la lluvia se refiere a la habilidad o agresividad de la lluvia para producir erosión, es decir, la energía cinética de la lluvia necesaria para remover y transportar las partículas del suelo. Cuando la precipitación excede la capacidad de infiltración, se presenta el escurrimiento superficial, el cual también tiene la habilidad de remover y de transportar las partículas del suelo.*

*Cortés (1991), propone catorce modelos de regresión (ecuaciones) a partir de datos de precipitación media anual para estimar el valor de R de la EUPS.*

*El área de cambio de uso del suelo en terrenos forestales se encuentra en la región VI, que le corresponde la siguiente ecuación de erosividad de la lluvia:*

$Y = 6.68471x + 0.001680x^2$

*Donde:*

*Y = Factor R*

*x= Precipitación media anual*

*La precipitación media anual se obtuvo del mapa de isoyetas presentado en el estudio técnico justificativo, en el apartado del clima; y para cada rango de precipitación se obtuvo un valor de R.*

*Erosionabilidad del suelo (K)*

*La ventaja de este método radica en la disponibilidad de información, considerando que los mapas de edafología del INEGI contienen la información.*

*La superficie por tipo de suelo presente en el área de cambio de uso del suelo en terrenos forestales es la siguiente:*

*Regosol eútrico, asociado con litosol y luvisol fírrico, de textura media con fase física lítica. Representa el 57.306% (58.395 ha) del área de cambio de uso del suelo en terrenos forestales.*

*Feozem háplico, asociado con regosol eútrico y cambisol eútrico, de textura media con fase física lítica. Representa el 42.694% (43.506 ha) del área de cambio de uso del suelo en terrenos forestales.*

*Conforme a los tipos de suelo identificados y con base en la tabla del factor K (de acuerdo con el tipo de suelo de la clasificación desarrollada por la WRB) presentada por Montes-León (2011), los valores para el tipo de suelo feozem háplico resultaron de 0.02, mientras que para el tipo de suelo Regosol eútrico resultaron de 0.04.*

*Factor de longitud de pendiente (L)*

*Está definida por la distancia del punto de origen del escurrimiento superficial al punto donde cambia el grado de pendiente. Se determina mediante la siguiente fórmula:*

$L = (x/22.13)^m$

*Donde:*

*x = Longitud en metros*
*m = 0.5 (pendiente mayor a 5%), 0.4 (pendiente entre 3% y 5%), 0.3 (pendiente entre 1% y 3%), 0.2 (pendiente menor 1%)*

*Factor de grado de pendiente (S)*

*A medida que el grado de inclinación se incrementa, las pérdidas de suelo también aumentan. En este caso se utilizará la siguiente fórmula:*

$S = 13.8 \text{ sen } Q + 0.03 \ (<9\%)$

$S = 16.8 \text{ sen } Q - 0.50 \ (> 9\%)$

*Los factores L y S de la ecuación universal de pérdida de suelo, pueden calcularse juntos y los resultados se presentan a continuación:*

*Pendiente 0-3, seno de Q 0.015, factor L 1.569, factor S 0.237 y factor LS 0.372.*
*Pendiente 3-5, seno de Q 0.04, factor L 1.823, factor S 0.582 y factor LS 1.060.*
*Pendiente 5-9, seno de Q 0.07, factor L 2.118, factor S 0.994 y factor LS 2.104.*
*Pendiente 9-25, seno de Q 0.168, factor L 2.118, factor S 2.316 y factor LS 4.904.*
*Pendiente 25-40, seno de Q 0.309, factor L 2.118, factor S 4.692 y factor LS 9.937.*
*Pendiente > 40, seno de Q 0.447, factor L 2.118, factor S 7.013 y factor LS 14.851.*

*Factor de cubierta vegetal (C)*

*Es el factor más importante en el control de la erosión. La cubierta vegetal comprende a la vegetación (natural y cultivada) y los residuos de cosecha.*

*En donde, para el escenario 1 (donde aún no se realiza el cambio de uso del suelo), se utilizaron los valores que van del 0.002 al 0.004, donde para BQP (Bosque de encino-pino) se utilizó el valor de 0.004, para BS (Bosque de ayarín) se utilizó el valor de 0.002, para BPQ (Bosque de pino-encino) se utilizó el valor de 0.003 y para SBC (Selva baja caducifolia) se utilizó el valor de 0.002.*

*Para el escenario 2 (donde se estima la erosión hídrica potencial, bajo el supuesto de que ya se hubiere realizado el CUSTF) se utilizó el valor de 0.09.*

*Factor de prácticas de manejo (P)*

*Es un factor atenuante en el proceso erosivo. En la EUPS el valor de P varía de 0 a 1 (el valor de 1 es cuando no se tienen obras de conservación de suelos).*

*Una vez determinados los factores de la EUPS, se unieron cada uno de estos factores entre sí, para determinar el valor estimado de la erosión actual del suelo en el área de CUSTF. Los resultados se clasificaron en niveles de erosión compuestos por rangos de toneladas por hectárea al año. Dicha clasificación se identifica por los siguientes niveles:*

*Muy ligera, rango de 0-5 ton/ha/año. Ligera, rango de 5-10 ton/ha/año. Moderada, rango 10-50 ton/ha/año. Severa 50-200 ton/ha/año. Muy severa > 200 ton/ha/año.*

**Resultados**

| Tipo de vegetación | Superficie de CUSTF (ha) | Volumen total de erosión hídrica (ton/año) | | Volumen total de erosión hídrica a mitigar (ton/año) |
|---|---|---|---|---|
| | | Sin proyecto | Con proyecto | |
| Bosque de encino-pino | 31.068 | 561.497 | 12,633.685 | 12,072.188 |
| Bosque de ayarín | 2.313 | 7.936 | 357.13 | 349.193 |
| Bosque de pino-encino | 34.499 | 231.902 | 6,957.063 | 6,725.161 |
| Selva baja caducifolia | 34.021 | 340.094 | 15,304.242 | 14,964.148 |
| **TOTAL** | 101.901 | 1,141.43 | 35,252.12 | 34,110.69 |

Conforme se indica en la tabla que antecede, la erosión hídrica que se producirá por el cambio de uso del suelo en terrenos forestales será de 34,110.69 ton/año. En las 31.068 hectáreas de Bosque de encino-pino se perderán 12,072.188 ton/año, en las 2.313 hectáreas de Bosque de ayarín se perderán 349.193 ton/año, en las 34.499 hectáreas de Bosque de pino-encino se perderán 6,725.161 ton/año y en las 34.021 hectáreas de Selva baja caducifolia se perderán 14,964.148 ton/año.

**Erosión eólica**

*La predicción de la pérdida de suelo por efecto de la erosión eólica se evaluó utilizando la siguiente ecuación:*

*Pee = f (C1, S, T, V)*

*Donde:*

*Pee = Pérdida de suelo por erosión eólica (ton/ha/año)*
*C1 = índice de agresividad del viento*
*S = Índice de erosionabilidad del suelo*
*T = Índice topográfico*
*V = Índice de vegetación*

*El índice de agresividad del viento se calculó mediante el índice eólico modificado, el cual se expresa de la siguiente manera:*

*C1 = 1/100 E(V³((ETP-P)/ETP)n); en donde:*

*C1 = Índice de agresividad del viento*
*V = Velocidad del viento (m/s)*
*E = Sumatoria*
*ETP = Evapotranspiración potencial (mm)*
*P = Precipitación (mm)*
*n = Número de días del mes en los que hay erosión*

*El valor de la velocidad del viento (V) usado para el cálculo del índice de agresividad del viento fue de 2.86, expresado en metros por segundo.*

*La evapotranspiración se estimó por cada mes del año, considerando el número de días por mes en los que hay erosión, por lo cual se utilizó la siguiente fórmula:*

*N = ETP - P /ETP * Dm*

*Donde:*

*N = Número de días por mes en los que hay erosión*
*ETP = Evapotranspiración potencial*
*P = Precipitación*
*Dm = Días de cada mes*

*Cabe destacar que los factores S, T y V fueron retomados de los factores K, L, S y C de la ecuación universal de pérdida de suelo por erosión hídrica.*

**Resultados**

| Tipo de vegetación | Superficie de CUSTF (ha) | Volumen total de erosión eólica (ton/año) | | Volumen total de erosión eólica a mitigar (ton/año) |
|---|---|---|---|---|
| | | Sin proyecto | Con proyecto | |
| Bosque de encino-pino | 31.068 | 2.375 | 53.437 | 51.062 |
| Bosque de ayarín | 2.313 | 0.036 | 1.598 | 1.563 |
| Bosque de pino-encino | 34.499 | 0.997 | 29.899 | 28.903 |
| Selva baja caducifolia | 34.021 | 1.438 | 64.732 | 63.294 |
| TOTAL | 101.901 | 4.846 | 149.667 | 144.821 |

Conforme se indica en la tabla que antecede, la erosión eólica que se producirá por el cambio de uso del suelo en terrenos forestales será de 144.821 ton/año. En las 31.068 hectáreas de Bosque de encino-pino se perderán 51.062 ton/año, en las 2.313 hectáreas de Bosque de ayarín se perderán 1.563 ton/año, en las 34.499 hectáreas de Bosque de pino-encino se perderán 28.903 ton/año y en las 34.021 hectáreas de Selva baja caducifolia se perderán 63.294 ton/año.

**Medidas de mitigación**

Con el fin de recuperar en igual o en mayor cantidad el suelo que se perderá por el cambio de uso del suelo en terrenos forestales, se propuso como principal medida la reforestación (donde se encuentran las especies florísticas a rescatar) de 110.77 hectáreas.

Por lo que se realizó la estimación de la erosión hídrica actual y la estimación hídrica bajo el supuesto de que ya se hubiese llevado a cabo la reforestación en las 110.77 hectáreas, quedando de la siguiente forma:

La estimación de la erosión hídrica actual en las 110.77 hectáreas resultó de 61,777.626 ton/año, mientras que la estimación de la erosión hídrica bajo el supuesto de que ya se hubiese llevado a cabo la reforestación resulto de 21,134.451 ton/año.

Como medidas de mitigación adicionales *se proponen la realización de tinas ciegas, que serán de 2 metros de largo por 0.4 metros de ancho por 0.4 metros de profundidad, con un espaciamiento de 2 metros entre ellas; las cuales captarán un total de 0.448 toneladas de suelo cada una. El número de tinas propuesto es de 250 tinas ciegas por hectárea, las cuales se ubicarán en las 110.77 hectáreas.*

*Las tinas ciegas son obras que permiten:*

*Romper y acondicionar suelos degradados para facilitar el establecimiento de las plantas.*

*Interceptar los escurrimientos para controlar y reducir su velocidad.*

*Captar agua, almacenarla y propiciar su infiltración en el suelo.*

**Disminuir la erosión del suelo e interceptar sedimentos.**

*Evitar el arrastre de partículas del suelo de las partes altas.*

**Conclusión**

Conforme a las estimaciones realizadas se identificó que la erosión (hídrica y eólica) que se causará por el cambio de uso del suelo en terrenos forestales es de 34,255.511 ton/año, ocasionando el cambio de uso del suelo en terrenos forestales un nivel de erosión muy severa. Sin embargo, con base en lo mencionado con anterioridad con la reforestación de las 110.77 hectáreas en un lapso de 5 años, se recuperará un total de 40,643.176 toneladas de suelo. Por lo que se concluye que con esta medida se recuperará una mayor cantidad de suelo que la que se perdería por el cambio de uso del suelo en terrenos forestales. Asimismo, es preciso indicar que como medidas adicionales se construirán tinas ciegas (250 tinas ciegas por hectárea) en las 110.77 hectáreas propuestas a reforestar, obras que permitirán disminuir la erosión del suelo.

Por lo anterior, con base en los razonamientos arriba expresados, esta autoridad administrativa considera que se encuentra acreditada la segunda de las hipótesis normativas establecidas por el artículo 117, párrafo primero, de la LGDFS, en cuanto a que, con éstos ha quedado técnicamente demostrado que con el desarrollo del proyecto de cambio de uso del suelo en terrenos forestales en cuestión, **no se provocará la erosión de los suelos**.

3.-Por lo que corresponde al **tercero de los supuestos** arriba referidos, relativo a la obligación de demostrar que **no se provocará el deterioro de la calidad del agua o la disminución en su captación**, se observó lo siguiente:

Del estudio técnico justificativo se desprende lo siguiente:

*Para estimar la cantidad de agua que potencialmente se infiltra en un área determinada, en el manual de instrucciones de estudios hidrológicos por las Naciones Unidas, se propone la siguiente ecuación:*

*C = (Kp + Kv + Kfc)*

*Donde:*

*C = Coeficiente de infiltración*
*Kp = Fracción que infiltra por efecto de pendiente*
*Kv = Fracción que infiltra por efecto de cobertura vegetal*
*Kfc = Fracción que infiltra por efecto de textura del suelo*

*Para las variables arriba señaladas se consideraron valores ya establecidos, conforme se indica a continuación:*

*Valores para la variable Kfc, fracción que infiltra por textura del suelo.*

*Arcilla compacta impermeable, 0.1. Combinación de limo y arcilla, 0.15. Suelo limo arenoso no muy compacto, 0.2.*

*Valores para la variable Kp, fracción que infiltra por efecto de la pendiente.*

*0.02-0.06%, 0.3.*

*0.3-0.4%, 0.2.*
*1-2%, 0.15.*
*2-7%, 0.1.*
*7%, 0.06.*

*Valores para la variable Kv, fracción que infiltra por efecto de cobertura vegetal.*

*Cobertura con zacate o herbáceas (menos de 50%), 0.09. Terrenos cultivados, 0.1. Cobertura con pastizal o herbáceas (de 50 a 75%), 0.18. Bosque, 0.2. Cobertura con zacate o herbáceas (más de 75%), 0.21.*

*Para determinar el agua que potencialmente se infiltra se empleó la siguiente expresión:*

$I = (1-Ki)CP$

*Donde:*

*C = Coeficiente de infiltración*
*I = Infiltración (mm)*
*Ki = Intercepción por el follaje*
*P = Precipitación media anual (1,028.5 mm)*

**Resultados**

| Tipo de vegetación | Superficie de CUSTF (ha) | Precipitación por tipo de vegetación ($m^3$/año) | Agua que se infiltra en el CUSTF ($m^3$/año) | | |
|---|---|---|---|---|---|
| | | | Escenario 1 | Escenario 2 | Volumen de agua que se pierde por el CUSTF |
| Bosque de encino-pino | 31.068 | 319,534.38 | 115,299.951 | 84,369.023 | 30,930.928 |
| Bosque de ayarín | 2.313 | 23,789.205 | 8,583.669 | 6,281.074 | 2,302.795 |
| Bosque de pino-encino | 34.499 | 354,822.215 | 128,052.076 | 93,705.266 | 34,346.79 |
| Selva baja caducifolia | 34.021 | 349,905.965 | 126,246.079 | 92,375.18 | 33,870.899 |
| Total | 101.901 | 1,048,051.765 | 378,181.976 | 276,730.563 | 101,451.413 |

Conforme se observa en la tabla que antecede, la cantidad de agua que se dejaría de captar por el cambio de uso del suelo en terrenos forestales es de 101,451.413 m³. En las 31.068 hectáreas de Bosque de encino-pino se dejarán de captar 30,930.928 m³, en las 2.313 hectáreas de Bosque de ayarín se dejarán de captar 2,302.795 m³, en las 34.499 hectáreas de Bosque de pino-encino se dejarán de captar 34,346.79 m³ y en las 34.021 hectáreas de Selva baja caducifolia se dejarán de captar 33,870.899 m³.

**Medidas de mitigación**

Con el fin de recuperar en igual o en mayor cantidad el agua que se perderá por el cambio de uso del suelo en terrenos forestales, se propuso como principal medida la reforestación (donde se reubicarán las especies florísticas rescatadas del área de CUSTF) de 110.77 hectáreas.

Por lo que se realizó la estimación de la captación de agua actual y la estimación de la

captación de agua bajo el supuesto de que ya se hubiese llevado a cabo la reforestación en las 110.77 hectáreas, quedando de la siguiente forma:

La estimación de la captación de agua actual en las 110.77 hectáreas resultó de 300,767.1348 m³, mientras que la estimación de la captación de agua bajo el supuesto de que ya se hubiese llevado a cabo la reforestación resulto de 411,048.4176 ton/año.

Como medidas de mitigación adicionales *se construirán tinas ciegas, que serán de 2 metros de largo por 0.4 metros de ancho por 0.4 metros de profundidad, con un espaciamiento de 2 metros entre obras; cada tina ciega captará un volumen de 0.32 m³. El número de tinas propuesto es de 250 tinas ciegas por hectárea, las cuales se ubicarán en las 110.77 hectáreas.*

Como se mencionó en la información anterior las tinas ciegas son obras que tiene varias funciones, que para el presente caso ayudarán a ***captar agua, almacenarla y propiciar su infiltración en el suelo.***

**Conclusión**

Conforme a las estimaciones realizadas se identificó que la cantidad de agua que se perderá por el cambio de uso del suelo en terrenos forestales es de 101,451.413 m³. No obstante, con base en lo mencionado con anterioridad con la reforestación de las 110.77 hectáreas en un lapso de 5 años, se captará un volumen de agua de 110,281.2828 m³. Por lo que se concluye que con esta medida se recuperará en mayor cantidad el agua que se perderá por el cambio de uso del suelo en terrenos forestales. Asimismo, es preciso indicar que como medidas adicionales se construirán tinas ciegas (250 tinas ciegas por hectárea) en las 110.77 hectáreas propuestas a reforestar, obras que permiten también captar, almacenar y propiciar la infiltración del agua.

Las medidas de prevención que se establecieron para no provocar el deterioro en la calidad del agua, son las siguientes:

*No se afectarán cuerpos de agua.*

*Construir, si es necesario, sistemas de decantación en los accesos próximos a los cauces, para evitar arrastres de sólidos en suspensión.*

*Dentro de zonas inundables, de ser el caso, sólo se permitirán vehículos que cumplan con las normas de verificación.*

*Se evitará que la maquinaria utilizada permanezca por periodos largos en una determinada área, para evitar el estancamiento de agua.*

*No se aplicarán pesticidas o algunos otros químicos que puedan contaminar el agua superficial o subterránea.*

*El cambio de aceite de motores, engrasado y recarga de combustibles de maquinaria, vehículos y equipo, se realizará usando materiales permeables que eviten el derrame en escurrimientos o cuerpos de agua.*

*Toda la maquinaria y equipo que se utilice para este proyecto deberá estar en buenas condiciones mecánicas, con el fin de evitar fugas de lubricantes y combustibles.*

*Se evitará derramar residuos sólidos y peligrosos, para el manejo de estos atenderán las especificaciones de la NOM-053-SEMARNAT-1993, que establece el procedimiento para llevar a cabo la prueba de extracción para determinar los constituyentes que hacen a un residuo peligroso por su toxicidad al ambiente.*

*Evitar daños en el derribo de los árboles y arbustos sobre los cauces o cuerpos de agua, realizando el derribo direccional.*

*Quedará prohibido verter cualquier residuo contaminante en los cuerpos de agua.*

*Se atenderá la NOM-161-SEMARNAT-2011, que establece los criterios para clasificar a los residuos de manejo especial y determinar cuáles están sujetos a plan de manejo; el listado de los mismos, el procedimiento para la inclusión o exclusión a dicho listado; así como los elementos y procedimientos para la formulación de los planes de manejo.*

*Se colocarán baños móviles (letrinas) para el control de desechos (heces y orina) y evitar la contaminación del agua.*

Por lo anterior, con base en las consideraciones arriba expresadas, esta autoridad administrativa estima que se encuentra acreditada la tercera de las hipótesis normativas que establece el artículo 117, párrafo primero, de la LGDFS, en cuanto a que con éstas ha quedado técnicamente demostrado que con el desarrollo del proyecto de cambio de uso del suelo en cuestión, **no se provocará el deterioro de la calidad del agua o la disminución en su captación.**

4.- Por lo que corresponde al **cuarto de los supuestos**, referente a la obligación de **demostrar que los usos alternativos del suelo que se propongan sean más productivos a largo plazo**, se observó lo siguiente:

Del estudio técnico justificativo, se desprende lo siguiente:

Los beneficios de los proyectos se estimaron en función de dos fuentes: ahorro en tiempo de viaje de los usuarios y en ahorros en costo de operación vehicular.

*Ahorro en tiempo de viaje. Para la estimación de los beneficios por este concepto, se requiere como primer insumo fundamental las velocidades a las que transitan los vehículos usuarios de la red de análisis y con ellas determinar el tiempo de recorrido en las situaciones con y sin proyecto.*

*El segundo insumo es el valor social del tiempo de los usuarios. Estos valores han sido calculados conforme a la metodología del Instituto Mexicano del Transporte (IMT) que se detalla a continuación:*

*Valor del tiempo de viaje de trabajo, $27.46 (veintisiete pesos 46/100 M.N.) $/hr. Valor del tiempo de viaje de placer, $16.47 (dieciséis pesos 47/100 M.N.) $/hr. Porcentaje de viajeros por motivo de trabajo 52.3%. Número de pasajeros por auto, 2.29 pas/veh. Número de pasajeros por autobús, 23.88 pas/veh. Valor del tiempo de la carga, $15 (quince pesos 00/100 M.N.) $/hr/ton. Toneladas promedio 18.15 ton/veh.*

*Los beneficios anuales por ahorro en tiempo de viaje se obtienen con la diferencia de los costos por tiempo de viaje para cada situación, sin y con proyecto. El costo por tiempo de viaje toma en cuenta el volumen de vehículos diario para autos, autobuses y camiones, el número de pasajeros promedio por tipo de vehículo y el valor del tiempo de los usuarios,*

*elevado al año (365 días) para cada situación (con y sin proyecto).*

*Ahorro en costos de operación vehicular. Los costos de operación vehicular unitarios se obtuvieron empleando el submodelo denominado vehicle operating cost (VOC) que es parte del modelo high development and management (HDM) desarrollado por el Banco Mundial. Los insumos básicos consideraron los valores reportados por el IMT sobre las características técnicas de los vehículos que operan en México, así como de las características representativas de las carreteras en México para los diferentes tipos de terreno: plano, lomerío y montañoso.*

Conforme a la información desahogada en el estudio técnico justificativo se presentó el beneficio económico que traerá la construcción del proyecto en cuestión, el beneficio económico se consideró con base en el ahorro en tiempo de viaje y el ahorro en costos de la operación vehicular. El beneficio económico estimado para un lapso de 50 años es de $1,271,796,574.00 (mil doscientos setenta y un millones setecientos noventa y seis mil quinientos setenta y cuatro pesos 00/100 M.N.), mientras que se estimó el valor económico de los recursos biológicos forestales y los servicios ambientales, cuyo total para el primer año resultó de $9,301,584.84 (nueve millones trescientos un mil quinientos ochenta y cuatro pesos 84/100 M.N.). El valor económico de los recursos biológicos forestales y los servicios ambientales extrapolados a un lapso de 50 años resultaron de $465,079,242.00 (cuatrocientos sesenta y cinco millones setenta y nueve mil doscientos cuarenta y dos pesos M.N.). Por lo que, con base en la información desahogada con anterioridad se concluye que la construcción del proyecto traerá mayores beneficios económicos y sociales, que los presentados actualmente.

Con base en las consideraciones arriba expresadas, esta autoridad administrativa estima que se encuentra acreditada la cuarta hipótesis normativa establecida por el artículo 117, párrafo primero, de la LGDFS, en cuanto a que con éstas ha quedado técnicamente demostrado que **el uso alternativo del suelo que se propone es más productivo a largo plazo.**

v. Que en cumplimiento de la obligación que a esta autoridad administrativa le impone lo dispuesto por el artículo 117, párrafos segundo y tercero, de la LGDFS, esta autoridad administrativa se abocó al estudio de la información y documentación que obra en el expediente, observándose lo siguiente:

El artículo 117, párrafos, segundo y tercero, establecen:

*En las autorizaciones de cambio de uso del suelo en terrenos forestales, la autoridad deberá dar respuesta debidamente fundada y motivada a las propuestas y observaciones planteadas por los miembros del Consejo Estatal Forestal.*

*No se podrá otorgar autorización de cambio de uso del suelo en un terreno incendiado sin que hayan pasado 20 años y que se acredite fehacientemente a la Secretaría que el ecosistema se ha regenerado totalmente, mediante los mecanismos que para tal efecto se establezcan en el reglamento correspondiente.*

1.- En lo que corresponde a la opinión del Consejo Estatal Forestal, presentada en el oficio N°SG/145/2.2/0436/18/1301 de fecha 04 de junio de 2018, el Consejo Estatal Forestal del estado de Sinaloa remitió la minuta en la que se manifiesta lo siguiente:

*- Se considera factible en su ejecución porque los documentos contienen la suficiente información conforme a lo estipulado en el artículo 117 de la Ley General de Desarrollo Forestal Sustentable al quedar plenamente justificado que no se compromete la biodiversidad, la pérdida de suelo, capacidad de infiltración y calidad de agua de acuerdo al documento presentado en dicha reunión.*

*- Se considera favorable que el resolutivo que emita la autoridad para que sea positiva la autorización por cambio de uso del suelo en los términos que se establecen en citado proyecto y en la normatividad aplicable. Con la sugerencia a la misma autoridad que de conformidad al Índice de Valor de Importancia (I.V.I.) es factible que el área propuesta a restauración quede como ratificada o en su caso se rectifique de acuerdo a la necesidad altitudinal de las especies a reforestar.*

La guía para la interpretación de cartografía. Uso del suelo y vegetación. Escala 1:250,000, serie V, indica lo siguiente:

Para el tipo de vegetación de Selva baja caducifolia: *Se le encuentra desde el nivel del mar hasta unos 1,900 metros, rara vez hasta 2,000 metros de altitud.*

Para el tipo de vegetación de Bosque de encino-pino: *//...en cuanto altitud oscila desde los 300 y 2,800 metros.*

Para el tipo de vegetación de Bosque de pino-encino: *Su mayor distribución se localiza entre los 1,200 a 3,200 metros...//*

Para el tipo de vegetación de Bosque de ayarín: *Se localiza entre los 1,500 y 3,400 metros de altitud.*

El sitio que se reforestará con vegetación correspondiente a Selva baja caducifolia, presenta una altitud entre 1,055 y 912 metros, aproximadamente.

El sitio que se reforestará con vegetación correspondiente a Bosque de encino-pino, presenta una altitud entre 2,004 y 1,755 metros, aproximadamente.

El sitio que se reforestará con vegetación correspondiente a Bosque de pino-encino, presenta una altitud entre 1,987 y 1,539 metros, aproximadamente.

El sitio que se reforestará con vegetación correspondiente a Bosque de ayarín, presenta una altitud entre 2,200 y 2,010 metros, aproximadamente.

Conforme a la información presentada, se ratifica que la altitud de los sitios propuestos para realizar la reforestación, se encuentra dentro de los rangos establecidos para el desarrollo de las especies de cada tipo de vegetación.

2.- Por lo que corresponde a la prohibición de otorgar autorización de cambio de uso del suelo en un terreno incendiado sin que hayan pasado 20 años, se advierte que la misma no es aplicable al presente caso, en virtud de que no se observó que el predio en cuestión hubiere sido incendiado, tal y como se desprende del informe de la visita técnica realizada en el sitio del proyecto, en la que se constató que **No se observaron vestigios de incendios forestales.**

VI. Que en cumplimiento de la obligación que a esta autoridad le impone lo dispuesto por el artículo 117, párrafo cuarto, de la LGDFS, consistente en que las autorizaciones que se emitan deberán integrar un programa de rescate y reubicación de las especies de vegetación forestal afectadas y su adaptación al nuevo hábitat, así como atender lo que dispongan los programas de ordenamiento ecológico correspondientes, las normas oficiales mexicanas y demás disposiciones legales y reglamentarias aplicables, derivado de la revisión del expediente del proyecto que nos ocupa se encontró lo siguiente:

1. **Programa de rescate y reubicación de especies de la vegetación forestal.**

   Al respecto y para dar cumplimiento a lo que establece el párrafo antes citado, el promovente manifiesta que se llevará a cabo un programa de rescate y reubicación de especies de la vegetación forestal, con base a los datos especificados que se establecen en el artículo 123 Bis del Reglamento de la Ley General de Desarrollo Forestal Sustentable, el cual fue publicado en el Diario Oficial de la Federación el día 24 de febrero de 2014, dicho programa se anexa al presente resolutivo.

2. **Programa de Ordenamiento Ecológico General del Territorio**

   Conforme a la información presentada en el estudio técnico justificativo y con base en lo observado en el "Subsistema de Información sobre el Ordenamiento Ecológico", de la Secretaria de Medio Ambiente y Recursos Naturales, el área de cambio de uso del suelo en terrenos forestales se ubica dentro de la UAB número 92.

   La UAB número 92 "Cañones Chihuahenses Sur", la cual tiene un rector de desarrollo denominado forestal-minería, con políticas ambientales de aprovechamiento sustentable, con un nivel de atención baja, Las estrategias establecidas para esta UAB no se contraponen con lo señalado en las políticas y criterios que le aplican, pues no existe prohibición expresa en el contenido de este ordenamiento que restrinja la remoción de la vegetación forestal para llevar a cabo el desarrollo del proyecto en cuestión. Asimismo, con las medidas de mitigación y compensación que se implementarán, se atenuarán las afectaciones adversas al ambiente, revirtiendo su efecto al paso del tiempo, lo que ayudará a que se cumpla el objeto de este instrumento de ordenamiento ecológico.

3. **Opinión Vida Silvestre**

   Toda vez que el proyecto pretende afectar especies de flora y fauna silvestre clasificadas en alguna categoría de riesgo en la NOM-059-SEMARNAT-2010, esta Dirección General de Gestión Forestal y de Suelos, solicitó mediante oficio N° SGPA/DGGFS/1044/18 de fecha 26 de abril de 2018, opinión técnica y normativa-juridicá a la Dirección General de Vida Silvestre, en cuanto a la factibilidad del proyecto, la cual a la fecha del presente resolutivo no se ha recibido la opinión requerida, por lo que con fundamento en el artículo 55 de la Ley Federal de Procedimiento Administrativo y dado que ha transcurrido el plazo establecido de los 15 días hábiles, se entiende que no existe objeción a las pretensiones del interesado.

   Sin embargo, para no comprometer a las especies de flora y fauna silvestre que se desarrollan en el área solicitada para cambio de uso del suelo en terrenos forestales, se ha propuesto llevar a cabo un programa de rescate y reubicación de especies de la vegetación forestal y un programa de ahuyentamiento, rescate y reubicación de fauna silvestre, donde uno de los objetivos en ambos programas es priorizar el rescate y reubicación de las especies que se encuentran en alguna categoría de riesgo de acuerdo a la NOM-059-SEMARNAT-2010.

4. **Áreas de Importancia Ecológica**

   - Áreas Naturales Protegidas (ANP)

   Se realizó un análisis federal, estatal y municipal para poder determinar si el proyecto se encontraba dentro de alguna ANP y con base en los análisis presentados, se determinó que la superficie total del proyecto no se ubica dentro de ninguna ANP federal, estatal, ni municipal.

   - Regiones Terrestres Prioritarias (RTP)

El área de cambio de uso del suelo en terrenos forestales no se encuentra dentro de ninguna RTP.

- Área de Importancia para la Conservación de Aves (AICA)

El área del proyecto se ubica dentro del AICA N°95 "Pericos".

- Regiones Hidrológicas Prioritarias (RHP)

El área del proyecto se ubica dentro de la RHP N°20 "Cuenca Alta de los Ríos Culiacán y Humaya".

5. **Opinión de la CONABIO**

Toda vez que el proyecto se encuentra ubicado dentro del Área de Importancia para la Conservación de Aves N° 95 "Pericos" y dentro de la Región Hidrológica Prioritaria N° 20 "Cuenca Alta de los Ríos Culiacán y Humaya", esta Dirección General de Gestión Forestal y de Suelos, solicitó mediante oficio N° SGPA/DGGFS/712/1043/18 de fecha 26 de abril de 2018, opinión técnica y normativa-jurídica a la Coordinación General de Proyectos y Enlace de la Comisión Nacional para el Conocimiento y Uso de la Biodiversidad.

Que mediante oficio N° SET/106/2018 de fecha 22 de mayo de 2018, la Coordinación General de Proyectos y Enlace de la Comisión Nacional para el Conocimiento y Uso de la Biodiversidad, remitió la opinión técnica y normativa-jurídica del proyecto, en donde se deriva lo siguiente:

***Comentarios***

*Las carreteras y caminos representan una de las formas de modificación del paisaje más extendidas a nivel mundial. La construcción de estas estructuras perturba y modifica las condiciones ambientales de los ecosistemas, provocando afectaciones en la abundancia y distribución de la biodiversidad, generadas por la necesidad de la humanidad de acceso a nuevas regiones y recursos. Los impactos que generan los caminos pueden ser directos o indirectos. Entre los directos destacan las muertes de fauna, causadas por colisión con los vehículos; el proceso de construcción de la carretera (desmonte, aplanado del terreno, asfaltado, etc.) y la contaminación proveniente de los vehículos (aceites, gases, etc.). Entre los impactos indirectos contamos el ruido, el cual causa reducción en la densidad de la población cercana a la fuente del disturbio; la luz artificial, que atrae a algunas especies poniéndolas en riesgo de ser depredadas o atropelladas y que también afecta los patrones de anidado, canto, migración, crecimiento y muda; el envenenamiento, producto de los compuestos a base de petróleo, sedimentos (depositados en hábitats acuáticos y que pueden tener metales pesados), agroquímicos (para evitar el desarrollo de plantas que invadan la zona de obra) y las sales de deshielo; y las barreras físicas, donde destacan la fragmentación y los efectos de borde. El proceso de construcción trae consigo pérdida de hábitat, pues es necesario limpiar el terreno por donde va a pasar el camino o carretera. Está pérdida de hábitat desencadena una disminución en la conectividad del ecosistema por un efecto barrera, producido ya sea por mortandad directa o por conductas para evitar las carreteras, lo cual lleva a que las poblaciones grandes y continuas originales se fragmenten en varias poblaciones más pequeñas y aisladas (metapoblaciones). Además, la reducción de conectividad causada por la fragmentación del hábitat altera las dinámicas poblacionales y amenazan la persistencia de las especies, pues entre mayor sea el ancho de la carretera y el tráfico, mayor es el efecto barrera y menor la cantidad de muertes y viceversa.*

*Por otra parte, el efecto de borde trae consigo pérdida de cobertura vegetal, el aumento en la intensidad de luz y el cambio de sustrato y nutrientes a la orilla de las carreteras lo que facilita el establecimiento de especies invasoras, principalmente plantas cuyas semillas son transportadas por vehículos y corrientes de aire a lo largo de la carretera. De igual manera, las carreteras y sus orillas pueden servir como corredores para el movimiento de fauna no nativa que pueden penetrar los hábitats hasta entonces aislados. La severidad y la distancia de penetración de estos efectos, están modulados por varios factores: (1) por el ancho y la cantidad de dosel sobre la superficie del camino; (2) el nivel al que el borde esté sellado por la vegetación que llene el espacio entre el dosel y sotobosque; y (3) por las cualidades de retención de calor de la superficie de la carretera.*

*La perturbación por el ruido del transporte provoca que las poblaciones divididas por la carretera se separen aún más, pues muchas especies son susceptibles a esta alteración y evitan la cercanía a las carreteras, lo que provoca una disminución de la densidad poblacional en sus cercanías hasta en una tercera parte en comparación con la densidad original.*

*Los efectos de las carreteras en los procesos hidrológicos, comúnmente asociados a la interferencia de los patrones de flujo, afectan diversos procesos de los ecosistemas como la conectividad de hábitats, producción primaria, descomposición y el ciclo de nutrientes. Cuando la estructura de una carretera falla, se pueden producir deslaves o torrentes de residuos que pueden afectar seriamente los hábitats de los cuerpos y corrientes de agua. De igual forma las lluvias suelen arrastrar residuos que se encuentran en la carretera y transportarlos hasta los cuerpos de agua afectando la calidad de ésta. Las carreteras producen un patrón de pérdida de hábitas acuáticos que difiere del patrón terrestre; sin embargo, resulta en la fragmentación de los ecosistemas acuáticos. La sedimentación (particularmente durante la construcción de caminos) y la obstrucción al paso de los peces (por estructuras de cruce de carreteras o fragmentación) son dos de los factores ambientales que provocan las diferencias en las densidades y distribución de peces cerca de los caminos. Respecto al muestreo de fauna, el documento menciona que éste se realizó en la época de invierno, utilizando un esfuerzo de muestreo de 5 días. Si bien, en la información adicional se justifica el tamaño de muestra para la parte de fauna, no se menciona la justificación de la temporalidad del muestreo, por lo que es importante mencionar, que si el muestreo no se llevó a cabo en diferentes épocas del año, generando un estudio que abarcará las diferentes épocas en el sitio, se pudieron omitir especies migratorias en los listados presentados, por lo que el proyecto puede afectar zonas de descanso. Debido a las actividades pretendidas en el proyecto, se debe de analizar exhaustivamente la presencia y abundancia de especies de flora y fauna, para hacer una correcta evaluación del ecosistema y determinar que no se perderán los servicios ambientales en términos de biodiversidad, además que la fragmentación provocada, no alterará las condiciones de las poblaciones presentes en el sitio. Se observó que el proyecto considera establecerse en zonas prioritarias para la conservación, las cuales pueden sufrir fragmentación. Los daños se pueden traducir en pérdida de biodiversidad, afectación en la captación de agua, áreas potenciales para la invasión de especies exóticas, erosión y pérdida de suelo, contaminación del agua (cuerpos superficiales y mantos acuíferos), por lo que no puede asegurar que no se comprometerá la biodiversidad del sitio, especialmente, referido a las especies amenazadas y prioritarias. Sin información integral, seria y comprometida, principalmente en los puntos anteriormente mencionados, será difícil mitigar o implementar medidas eficaces en pro de la conservación y el mantenimiento de la biodiversidad, que a largo plazo se traducen también en afectaciones a las propias actividades humanas, pues se pierden o se merman los servicios ambientales que nos proveen, mismas que son indispensables para nuestra propia supervivencia.*

Conforme se indicó en el estudio técnico justificativo y en la información complementaria **se promoverá el rescate y ahuyentamiento del total de individuos de las especies faunísticas**,

con énfasis en individuos de especies listadas en la NOM-059-SEMARNAT-2010, donde queda implícito que en el tiempo de duración establecido para realizar el cambio de uso del suelo en terrenos forestales, se presentarán especies faunísticas residentes, visitantes invernales, migratorias o transitorias. Asimismo, como se indica el Término X, con el propósito de evitar el riesgo por atropellamiento de fauna y la fragmentación de los corredores biológicos, además de permitir el movimiento de la misma, se construirán veintitrés pasos de fauna.

Con el fin de evitar la contaminación del suelo, agua e indirectamente con la intoxicación de la fauna, se realizarán las siguientes actividades:

La remoción de la vegetación se realizará por medios mecánicos y no se utilizarán sustancias químicas para tal fin, conforme se indica en el Término V.

Se instalarán sanitarios portátiles para el personal que laborará en el proyecto. Asimismo, los residuos generados serán tratados conforme a las disposiciones locales, conforme se indica en el Término XII.

Se realizará oportunamente el mantenimiento de maquinaria o vehículos en talleres autorizados con la finalidad de evitar posibles fugas de aceite, conforme se indica en el Término XV.

Para recuperar la cantidad de suelo y agua que se perderá por el cambio de uso del suelo en terrenos forestales, se propone la reforestación en 110.77 hectáreas, medida que demostró de manera cuantitativa que únicamente con la reforestación de 110.77 hectáreas, se recuperará en mayor cantidad el suelo y agua a comparación de la que se perderá por el cambio de uso del suelo en terrenos forestales, conforme se indica en el Término XIII. No obstante, como medidas de mitigación adicionales se construirán tinas ciegas en la superficie a reforestar (110.77 hectáreas), el número de obras a construir será de 250 tinas por hectárea, conforme se indica en el Término XIV.

Por lo que se concluye que la información desahogada en el estudio técnico justificativo e información complementaria cuenta con las características técnicas que demuestran que no se comprometerá la biodiversidad, ni se provocará la erosión del suelo, ni el deterioro de la calidad del agua o la disminución en su captación.

VII. Que con el objeto de verificar el cumplimiento de la obligación establecida por el artículo 118 de la LGDFS, conforme al procedimiento señalado por los artículos 123 y 124 del RLGDFS, ésta autoridad administrativa se abocó al cálculo del monto de compensación ambiental para ser destinados a las actividades de reforestación o restauración y su mantenimiento, determinándose lo siguiente:

1. Mediante oficio N° SGPA/DGGFS/712/1458/18 de fecha 11 de junio de 2018, se notificó al interesado que como parte del procedimiento para expedir la autorización de cambio de uso del suelo en terrenos forestales, debería depositar al Fondo Forestal Mexicano (FFM) la cantidad de **$11,635,993.69 (once millones seiscientos treinta y cinco mil novecientos noventa y tres pesos 69/100 M.N.),** por concepto de compensación ambiental para ser destinados a las actividades de reforestación o restauración y su mantenimiento en una superficie de 11.1024 hectáreas de Bosque de ayarin, 149.1264 hectáreas de Bosque de encino-pino, 165.5952 hectáreas de Bosque de pino-encino y 163.3008 hectáreas de Selva baja caducifolia, preferentemente en el estado de Sinaloa.
2. Que en cumplimiento del requerimiento de esta autoridad administrativa y dentro del plazo establecido por el artículo 123, párrafo segundo, del RLGDFS, mediante oficio N°SCT.6.24.01-1445/2018 de fecha 11 de julio de 2018, recibido en esta Dirección General de

Gestión Forestal y de Suelos el 17 de julio de 2018, Héctor Raúl García Fox, en su carácter de Director General del Centro SCT Sinaloa de la Secretaría de Comunicaciones y Transportes, presentó copia del comprobante del depósito realizado al Fondo Forestal Mexicano (FFM) por la cantidad de **$11,635,993.69 (once millones seiscientos treinta y cinco mil novecientos noventa y tres pesos 69/100 M.N.),** por concepto de compensación ambiental para ser destinados a las actividades de reforestación o restauración y su mantenimiento en una superficie de 11.1024 hectáreas de Bosque de ayarín, 149.1264 hectáreas de Bosque de encino-pino, 165.5952 hectáreas de Bosque de pino-encino y 163.3008 hectáreas de Selva baja caducifolia, para aplicar preferentemente en el estado de Sinaloa.

Que por los razonamientos arriba expuestos, de conformidad con las disposiciones legales invocadas y con fundamento en lo dispuesto por los artículos 32 Bis fracciones III, XXXIX y XLI de la Ley Orgánica de la Administración Pública Federal; 12 fracciones XXIX, 16 fracciones XX, 58 fracción I y 117 de la Ley General de Desarrollo Forestal Sustentable; 16 fracciones VII y IX, 59 párrafo segundo de la Ley Federal de Procedimiento Administrativo; 2 fracción XXV, 19 fracciones XXIII y XXV y, 33 fracciones I y V del Reglamento Interior de la Secretaría de Medio Ambiente y Recursos Naturales, es de resolverse y se:

## RESUELVE

PRIMERO.- **AUTORIZAR** por excepción a la Secretaria de Comunicaciones y Transportes, a través de Héctor Raúl García Fox, en su carácter de Director General del Centro SCT Sinaloa de la Secretaria de Comunicaciones y Transportes, el cambio de uso del suelo en terrenos forestales en una superficie de 101.901 hectáreas para el desarrollo del proyecto denominado ***"Construcción del eje interestatal carretera Culiacán-Parral, tramo San José del Barranco-Los Frailes, Km 106+000.000 a 136+281.214"***, con ubicación en el o los municipio(s) de Badiraguato en el estado de Sinaloa, bajo los siguientes:

## TÉRMINOS

I. El tipo de vegetación forestal por afectar corresponde a Bosque de ayarín, Bosque de encino-pino, Bosque de pino-encino y Selva baja caducifolia y el cambio de uso del suelo en terrenos forestales que se autoriza, se desarrollará en la superficie que se encuentra delimitada por las coordenadas UTM siguientes:

POLÍGONO: Ejido San José del Barranco_1

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 286374.116011 | 2842663.34518 |
| 2 | 286373.490113 | 2842661.42188 |
| 3 | 286373.138725 | 2842660.563 |
| 4 | 286371.463364 | 2842656.72472 |
| 5 | 286370.913472 | 2842655.56757 |
| 6 | 286370.290495 | 2842654.44777 |
| 7 | 286370.104164 | 2842654.14283 |
| 8 | 286366.366973 | 2842648.14965 |
| 9 | 286365.486597 | 2842646.85382 |
| 10 | 286364.507609 | 2842645.63083 |
| 11 | 286364.189483 | 2842645.2727 |
| 12 | 286359.381058 | 2842639.98752 |
| 13 | 286358.326615 | 2842638.91264 |
| 14 | 286357.194306 | 2842637.92024 |
| 15 | 286356.781603 | 2842637.59393 |
| 16 | 286352.218771 | 2842634.08391 |
| 17 | 286351.098289 | 2842633.28197 |
| 18 | 286349.925257 | 2842632.55891 |
| 19 | 286345.006557 | 2842629.75612 |
| 20 | 286344.824663 | 2842629.65372 |
| 21 | 286343.494724 | 2842628.97793 |
| 22 | 286342.1181 | 2842628.40315 |
| 23 | 286336.733008 | 2842626.38652 |
| 24 | 286336.256061 | 2842626.21472 |
| 25 | 286333.988498 | 2842625.57747 |
| 26 | 286329.400953 | 2842624.57497 |
| 27 | 286328.286475 | 2842624.36431 |
| 28 | 286326.568878 | 2842624.16566 |
| 29 | 286319.962156 | 2842623.68932 |
| 30 | 286318.201728 | 2842623.64026 |
| 31 | 286317.237468 | 2842623.67902 |
| 32 | 286311.315702 | 2842624.06077 |
| 33 | 286309.034102 | 2842624.34011 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 34 | 286303.163611 | 2842625.4044 |
| 35 | 286302.941324 | 2842625.44595 |
| 36 | 286301.010425 | 2842625.91925 |
| 37 | 286293.336667 | 2842628.20972 |
| 38 | 286291.92762 | 2842628.68817 |
| 39 | 286273.002512 | 2842635.90844 |
| 40 | 286258.692254 | 2842641.38705 |
| 41 | 286240.078351 | 2842648.47788 |
| 42 | 286239.942836 | 2842648.53009 |
| 43 | 286211.000169 | 2842659.8171 |
| 44 | 286210.529783 | 2842660.00746 |
| 45 | 286195.367162 | 2842666.36821 |
| 46 | 286194.01641 | 2842666.99493 |
| 47 | 286177.660986 | 2842675.33723 |
| 48 | 286176.784854 | 2842675.81208 |
| 49 | 286163.23894 | 2842683.59466 |
| 50 | 286162.924323 | 2842683.77922 |
| 51 | 286162.156076 | 2842684.26359 |
| 52 | 286131.757255 | 2842704.40327 |
| 53 | 286116.527584 | 2842714.43974 |
| 54 | 286109.744526 | 2842718.2514 |
| 55 | 286102.849851 | 2842721.45235 |
| 56 | 286097.368233 | 2842723.4055 |
| 57 | 286089.747215 | 2842725.08104 |
| 58 | 286082.605303 | 2842725.75784 |
| 59 | 286074.968822 | 2842725.54569 |
| 60 | 286067.168256 | 2842724.45451 |
| 61 | 286059.629182 | 2842722.32106 |
| 62 | 286053.270038 | 2842719.79296 |
| 63 | 286047.852768 | 2842716.82991 |
| 64 | 286043.425268 | 2842713.80344 |
| 65 | 286038.360852 | 2842709.75768 |
| 66 | 286034.487691 | 2842705.94074 |
| 67 | 286030.631325 | 2842701.05509 |
| 68 | 286025.886899 | 2842693.95758 |
| 69 | 286023.292023 | 2842688.77921 |
| 70 | 286021.319283 | 2842683.61471 |
| 71 | 286019.676761 | 2842678.51634 |
| 72 | 286017.494894 | 2842669.4415 |
| 73 | 286010.935628 | 2842642.41742 |
| 74 | 286006.353034 | 2842623.62209 |
| 75 | 286006.118767 | 2842622.74787 |
| 76 | 286003.463468 | 2842613.66433 |
| 77 | 286003.229368 | 2842612.91798 |
| 78 | 286001.400856 | 2842607.46443 |
| 79 | 286001.119355 | 2842606.67948 |
| 80 | 286000.718918 | 2842605.70938 |
| 81 | 285998.550825 | 2842600.82409 |
| 82 | 285997.895734 | 2842599.48478 |
| 83 | 285995.004453 | 2842594.09344 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 84 | 285994.535717 | 2842593.26705 |
| 85 | 285994.13443 | 2842592.62485 |
| 86 | 285990.485681 | 2842587.02638 |
| 87 | 285989.335495 | 2842585.43764 |
| 88 | 285985.389254 | 2842580.51438 |
| 89 | 285984.894937 | 2842579.92141 |
| 90 | 285984.140633 | 2842579.09884 |
| 91 | 285979.890854 | 2842574.71675 |
| 92 | 285979.683283 | 2842574.52317 |
| 93 | 285953.778611 | 2842605.25695 |
| 94 | 285954.763688 | 2842606.27272 |
| 95 | 285957.505052 | 2842609.69303 |
| 96 | 285960.151361 | 2842613.75328 |
| 97 | 285962.285993 | 2842617.734 |
| 98 | 285963.769439 | 2842621.07634 |
| 99 | 285965.173715 | 2842625.26508 |
| 100 | 285967.592092 | 2842633.53782 |
| 101 | 285972.062669 | 2842651.87403 |
| 102 | 285978.607601 | 2842678.83883 |
| 103 | 285980.955704 | 2842688.60511 |
| 104 | 285981.36519 | 2842690.06309 |
| 105 | 285983.403293 | 2842696.38935 |
| 106 | 285983.756412 | 2842697.3931 |
| 107 | 285986.276218 | 2842703.98984 |
| 108 | 285987.07796 | 2842705.81053 |
| 109 | 285990.679261 | 2842712.99713 |
| 110 | 285991.403092 | 2842714.3155 |
| 111 | 285991.932762 | 2842715.15206 |
| 112 | 285997.810215 | 2842723.94442 |
| 113 | 285998.738724 | 2842725.22141 |
| 114 | 286003.857784 | 2842731.70684 |
| 115 | 286004.445281 | 2842732.4169 |
| 116 | 286005.518659 | 2842733.5612 |
| 117 | 286011.021685 | 2842738.98404 |
| 118 | 286012.453152 | 2842740.26528 |
| 119 | 286012.576938 | 2842740.36483 |
| 120 | 286019.036997 | 2842745.52578 |
| 121 | 286020.233878 | 2842746.41097 |
| 122 | 286026.09502 | 2842750.41746 |
| 123 | 286027.662585 | 2842751.38626 |
| 124 | 286027.784859 | 2842751.45375 |
| 125 | 286035.145499 | 2842755.4794 |
| 126 | 286037.353789 | 2842756.51749 |
| 127 | 286045.80373 | 2842759.87689 |
| 128 | 286046.656416 | 2842760.1937 |
| 129 | 286047.747102 | 2842760.53627 |
| 130 | 286057.593883 | 2842763.32271 |
| 131 | 286059.885322 | 2842763.82818 |
| 132 | 286060.269854 | 2842763.88576 |
| 133 | 286070.529535 | 2842765.32065 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 134 | 286072.744558 | 2842765.50585 |
| 135 | 286082.717812 | 2842765.78295 |
| 136 | 286083.596169 | 2842765.78801 |
| 137 | 286085.160338 | 2842765.70159 |
| 138 | 286094.737019 | 2842764.79416 |
| 139 | 286096.64096 | 2842764.52087 |
| 140 | 286097.145512 | 2842764.41676 |
| 141 | 286107.190369 | 2842762.20812 |
| 142 | 286109.609289 | 2842761.51424 |
| 143 | 286117.14977 | 2842758.82747 |
| 144 | 286117.579306 | 2842758.66886 |
| 145 | 286118.659186 | 2842758.12779 |
| 146 | 286127.294055 | 2842754.21156 |
| 147 | 286128.669457 | 2842753.50701 |
| 148 | 286136.742873 | 2842748.97056 |
| 149 | 286137.223474 | 2842748.69154 |
| 150 | 286137.950886 | 2842748.23433 |
| 151 | 286153.815912 | 2842737.77903 |
| 152 | 286183.721215 | 2842717.96636 |
| 153 | 286196.281998 | 2842710.74961 |
| 154 | 286211.530625 | 2842702.9719 |
| 155 | 286225.773018 | 2842696.99703 |
| 156 | 286254.402515 | 2842685.8322 |
| 157 | 286272.967276 | 2842678.76011 |
| 158 | 286287.294821 | 2842673.27505 |
| 159 | 286305.492717 | 2842666.33201 |
| 160 | 286311.39071 | 2842664.57156 |
| 161 | 286315.038023 | 2842663.91034 |
| 162 | 286318.447822 | 2842663.69065 |
| 163 | 286322.261837 | 2842663.96544 |
| 164 | 286324.046718 | 2842664.35545 |
| 165 | 286326.590354 | 2842665.30806 |
| 166 | 286328.919779 | 2842666.63525 |
| 167 | 286330.982571 | 2842668.22207 |
| 168 | 286333.378098 | 2842670.85512 |
| 169 | 286335.383056 | 2842674.07031 |
| 170 | 286335.681504 | 2842675.21224 |
| 171 | 286336.772059 | 2842678.50697 |
| 172 | 286337.038508 | 2842680.03483 |
| 173 | 286337.302301 | 2842683.79082 |
| 174 | 286337.303713 | 2842688.70907 |
| 175 | 286336.146737 | 2842700.15083 |
| 176 | 286328.293233 | 2842763.67269 |
| 177 | 286317.150132 | 2842853.98113 |
| 178 | 286299.505578 | 2842994.45585 |
| 179 | 286299.481602 | 2842994.65466 |
| 180 | 286295.991518 | 2843024.8844 |
| 181 | 286303.51127 | 2843019.41818 |
| 182 | 286319.223045 | 2843007.76663 |
| 183 | 286340.204395 | 2842991.44725 |
| 184 | 286356.647704 | 2842658.94354 |
| 185 | 286367.998067 | 2842768.57654 |
| 186 | 286375.87833 | 2842704.83782 |
| 187 | 286375.92801 | 2842704.39593 |
| 188 | 286377.209111 | 2842691.72767 |
| 189 | 286377.310597 | 2842689.70903 |
| 190 | 286377.308551 | 2842683.08015 |
| 191 | 286377.305986 | 2842682.76397 |
| 192 | 286377.259433 | 2842681.68492 |
| 193 | 286376.874928 | 2842676.20687 |
| 194 | 286376.626775 | 2842674.17404 |
| 195 | 286376.026914 | 2842670.73361 |
| 196 | 286375.961786 | 2842670.37928 |
| 197 | 286375.63109 | 2842668.94942 |

POLÍGONO: Ejido San José del Barranco_10

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 288411.049495 | 2843258.71125 |
| 2 | 288418.465981 | 2843258.33476 |
| 3 | 288426.81633 | 2843258.79644 |
| 4 | 288434.756857 | 2843260.13737 |
| 5 | 288440.949306 | 2843261.71479 |
| 6 | 288447.365762 | 2843264.0549 |
| 7 | 288452.449227 | 2843266.38201 |
| 8 | 288457.391965 | 2843269.06296 |
| 9 | 288463.075486 | 2843272.82403 |
| 10 | 288467.379629 | 2843276.16896 |
| 11 | 288469.368417 | 2843278.05082 |
| 12 | 288492.149486 | 2843302.21757 |
| 13 | 288504.79097 | 2843316.13828 |
| 14 | 288512.984736 | 2843325.08627 |
| 15 | 288513.924954 | 2843326.04602 |
| 16 | 288518.078181 | 2843330.01082 |
| 17 | 288519.278657 | 2843331.06837 |
| 18 | 288519.482168 | 2843331.23145 |
| 19 | 288522.981597 | 2843333.99692 |
| 20 | 288524.0061 | 2843334.75742 |
| 21 | 288525.076853 | 2843335.4492 |
| 22 | 288530.067576 | 2843338.4521 |
| 23 | 288530.656417 | 2843338.7929 |
| 24 | 288532.084854 | 2843339.51426 |
| 25 | 288537.470538 | 2843341.96862 |
| 26 | 288539.225262 | 2843342.67032 |
| 27 | 288539.509419 | 2843342.76624 |
| 28 | 288544.019659 | 2843344.25145 |
| 29 | 288545.972456 | 2843344.78675 |
| 30 | 288550.465129 | 2843345.77644 |
| 31 | 288551.610125 | 2843345.99407 |
| 32 | 288552.467203 | 2843346.11204 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 33 | 288557.662694 | 2843346.71392 |
| 34 | 288560.100456 | 2843346.84635 |
| 35 | 288566.726034 | 2843346.80136 |
| 36 | 288566.908938 | 2843346.79914 |
| 37 | 288568.394315 | 2843346.72014 |
| 38 | 288569.869809 | 2843346.53107 |
| 39 | 288577.802607 | 2843345.21244 |
| 40 | 288578.309973 | 2843345.12133 |
| 41 | 288580.483079 | 2843344.57453 |
| 42 | 288584.512713 | 2843343.31677 |
| 43 | 288585.692769 | 2843342.90759 |
| 44 | 288585.870637 | 2843342.83868 |
| 45 | 288590.519376 | 2843341.01116 |
| 46 | 288592.745793 | 2843339.97399 |
| 47 | 288596.79313 | 2843337.77647 |
| 48 | 288597.525003 | 2843337.3589 |
| 49 | 288598.515294 | 2843336.72552 |
| 50 | 288598.660895 | 2843336.62633 |
| 51 | 288591.946166 | 2843321.31468 |
| 52 | 288580.119641 | 2843300.74839 |
| 53 | 288579.100678 | 2843301.54307 |
| 54 | 288576.815557 | 2843303.10079 |
| 55 | 288574.737679 | 2843304.22897 |
| 56 | 288571.90532 | 2843305.34237 |
| 57 | 288569.880929 | 2843305.9743 |
| 58 | 288564.870927 | 2843306.80692 |
| 59 | 288561.051892 | 2843306.83296 |
| 60 | 288558.060254 | 2843306.4868 |
| 61 | 288555.569768 | 2843305.93568 |
| 62 | 288553.064151 | 2843305.11042 |
| 63 | 288549.715091 | 2843303.58427 |
| 64 | 288546.796233 | 2843301.82792 |
| 65 | 288545.0285 | 2843300.42982 |
| 66 | 288542.03528 | 2843297.57244 |
| 67 | 288534.350267 | 2843289.18018 |
| 68 | 288521.642984 | 2843275.16685 |
| 69 | 288521.389851 | 2843274.91324 |
| 70 | 288498.050526 | 2843250.15431 |
| 71 | 288497.165909 | 2843249.2728 |
| 72 | 288494.071169 | 2843246.3755 |
| 73 | 288493.011963 | 2843245.45153 |
| 74 | 288492.720024 | 2843245.2189 |
| 75 | 288487.091957 | 2843240.81912 |
| 76 | 288485.811373 | 2843239.89709 |
| 77 | 288478.739132 | 2843235.21689 |
| 78 | 288477.423932 | 2843234.41749 |
| 79 | 288477.236913 | 2843234.31474 |
| 80 | 288470.92716 | 2843230.89242 |
| 81 | 288469.71629 | 2843230.28778 |
| 82 | 288463.292861 | 2843227.34723 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 83 | 288461.820497 | 2843226.74298 |
| 84 | 288453.713397 | 2843223.78625 |
| 85 | 288453.400457 | 2843223.67495 |
| 86 | 288451.797764 | 2843223.19466 |
| 87 | 288443.836336 | 2843221.16631 |
| 88 | 288442.22868 | 2843220.82642 |
| 89 | 288432.371108 | 2843219.1621 |
| 90 | 288432.199362 | 2843219.13374 |
| 91 | 288430.145197 | 2843218.9134 |
| 92 | 288419.616013 | 2843218.33102 |
| 93 | 288418.192303 | 2843218.30302 |
| 94 | 288417.497297 | 2843218.32637 |
| 95 | 288407.876074 | 2843218.61478 |
| 96 | 288405.600279 | 2843219.06148 |
| 97 | 288394.158479 | 2843220.96939 |
| 98 | 288393.661013 | 2843221.05875 |
| 99 | 288392.198829 | 2843221.39601 |
| 100 | 288386.003979 | 2843223.08285 |
| 101 | 288384.980951 | 2843223.39078 |
| 102 | 288379.174752 | 2843225.3082 |
| 103 | 288378.306782 | 2843225.61714 |
| 104 | 288377.78556 | 2843225.82477 |
| 105 | 288373.085017 | 2843227.77398 |
| 106 | 288372.157924 | 2843228.16611 |
| 107 | 288364.513781 | 2843231.82049 |
| 108 | 288362.931568 | 2843232.66154 |
| 109 | 288357.794953 | 2843235.69472 |
| 110 | 288357.689407 | 2843235.75769 |
| 111 | 288356.636857 | 2843236.43343 |
| 112 | 288351.084463 | 2843240.24938 |
| 113 | 288349.831086 | 2843241.18485 |
| 114 | 288342.165215 | 2843247.38806 |
| 115 | 288341.647153 | 2843247.82177 |
| 116 | 288340.851256 | 2843248.55012 |
| 117 | 288335.01258 | 2843254.18961 |
| 118 | 288333.781291 | 2843255.49037 |
| 119 | 288328.536758 | 2843261.55288 |
| 120 | 288328.138192 | 2843262.02823 |
| 121 | 288327.53511 | 2843262.80931 |
| 122 | 288323.084559 | 2843268.87719 |
| 123 | 288322.145793 | 2843270.27713 |
| 124 | 288319.019511 | 2843275.39325 |
| 125 | 288318.607212 | 2843276.09983 |
| 126 | 288318.538852 | 2843276.2239 |
| 127 | 288315.852473 | 2843281.13479 |
| 128 | 288315.262081 | 2843282.30333 |
| 129 | 288312.734733 | 2843287.74106 |
| 130 | 288312.227321 | 2843288.932 |
| 131 | 288309.77261 | 2843295.25413 |
| 132 | 288309.523124 | 2843295.9329 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 133 | 288294.052155 | 2843340.48735 |
| 134 | 288287.05591 | 2843360.54741 |
| 135 | 288281.377696 | 2843376.92987 |
| 136 | 288279.400326 | 2843381.70865 |
| 137 | 288277.236059 | 2843385.83816 |
| 138 | 288275.046377 | 2843389.01525 |
| 139 | 288272.50774 | 2843392.06467 |
| 140 | 288269.928984 | 2843394.59222 |
| 141 | 288266.913498 | 2843397.03128 |
| 142 | 288263.604977 | 2843399.16349 |
| 143 | 288272.372473 | 2843418.11989 |
| 144 | 288272.637321 | 2843418.74799 |
| 145 | 288272.910838 | 2843419.56839 |
| 146 | 288273.112449 | 2843420.40947 |
| 147 | 288276.432586 | 2843437.48514 |
| 148 | 288282.275174 | 2843434.57937 |
| 149 | 288283.644555 | 2843433.8303 |
| 150 | 288284.203625 | 2843433.48283 |
| 151 | 288289.490475 | 2843430.0757 |
| 152 | 288291.23381 | 2843428.81459 |
| 153 | 288295.829552 | 2843425.0973 |
| 154 | 288296.351258 | 2843424.66054 |
| 155 | 288297.252595 | 2843423.82965 |
| 156 | 288301.235052 | 2843419.92593 |
| 157 | 288302.606108 | 2843418.43916 |
| 158 | 288306.37446 | 2843413.91241 |
| 159 | 288306.527963 | 2843413.72579 |
| 160 | 288307.47157 | 2843412.4659 |
| 161 | 288310.862704 | 2843407.54555 |
| 162 | 288311.873126 | 2843405.91774 |
| 163 | 288312.110011 | 2843405.47915 |
| 164 | 288315.255339 | 2843399.47736 |
| 165 | 288316.021002 | 2843397.84031 |
| 166 | 288318.568451 | 2843391.68372 |
| 167 | 288318.985252 | 2843390.58641 |
| 168 | 288324.844515 | 2843373.68176 |
| 169 | 288331.8314 | 2843353.64899 |
| 170 | 288347.196621 | 2843309.39854 |
| 171 | 288349.286558 | 2843304.01594 |
| 172 | 288351.264727 | 2843299.75986 |
| 173 | 288353.406097 | 2843295.84519 |
| 174 | 288355.843101 | 2843291.85714 |
| 175 | 288359.318639 | 2843287.11874 |
| 176 | 288363.451194 | 2843282.34163 |
| 177 | 288368.013431 | 2843277.93518 |
| 178 | 288374.387314 | 2843272.77748 |
| 179 | 288378.729456 | 2843269.79338 |
| 180 | 288382.501625 | 2843267.5659 |
| 181 | 288388.876688 | 2843264.53489 |
| 182 | 288392.422918 | 2843263.06424 |
| 183 | 288397.018191 | 2843261.54665 |
| 184 | 288401.728487 | 2843260.2656 |

POLÍGONO: Ejido San José del Barranco_11

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 288825.965697 | 2843238.04624 |
| 2 | 288825.425597 | 2843237.19381 |
| 3 | 288821.907083 | 2843231.93861 |
| 4 | 288820.533969 | 2843230.12091 |
| 5 | 288817.942314 | 2843227.06852 |
| 6 | 288817.810379 | 2843226.91476 |
| 7 | 288817.219835 | 2843226.26274 |
| 8 | 288814.16112 | 2843223.03194 |
| 9 | 288812.564168 | 2843221.52096 |
| 10 | 288809.748825 | 2843219.13616 |
| 11 | 288809.431937 | 2843218.87313 |
| 12 | 288807.946053 | 2843217.77615 |
| 13 | 288802.302273 | 2843213.99866 |
| 14 | 288800.900392 | 2843213.14151 |
| 15 | 288799.197855 | 2843212.29773 |
| 16 | 288794.323401 | 2843210.16389 |
| 17 | 288792.949384 | 2843209.62182 |
| 18 | 288786.521994 | 2843207.35726 |
| 19 | 288784.425935 | 2843206.75115 |
| 20 | 288778.901297 | 2843205.47616 |
| 21 | 288777.690737 | 2843205.23574 |
| 22 | 288768.317854 | 2843203.67396 |
| 23 | 288768.189208 | 2843203.65299 |
| 24 | 288767.471895 | 2843203.55141 |
| 25 | 288741.17697 | 2843200.31727 |
| 26 | 288740.66264 | 2843200.26079 |
| 27 | 288727.472554 | 2843198.9839 |
| 28 | 288725.510177 | 2843198.89071 |
| 29 | 288718.474336 | 2843198.90308 |
| 30 | 288718.190571 | 2843198.90551 |
| 31 | 288716.822313 | 2843198.97436 |
| 32 | 288710.249334 | 2843199.53067 |
| 33 | 288709.208604 | 2843199.64611 |
| 34 | 288702.147875 | 2843200.6181 |
| 35 | 288701.088497 | 2843200.79294 |
| 36 | 288700.574051 | 2843200.89911 |
| 37 | 288690.837 | 2843203.04328 |
| 38 | 288689.137792 | 2843203.4966 |
| 39 | 288680.966954 | 2843206.06606 |
| 40 | 288679.827403 | 2843206.46243 |
| 41 | 288679.30268 | 2843206.6716 |
| 42 | 288669.767253 | 2843210.62734 |
| 43 | 288667.901988 | 2843211.51672 |
| 44 | 288659.116767 | 2843216.2775 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 45 | 288658.37065 | 2843216.70277 |
| 46 | 288657.666154 | 2843217.14462 |
| 47 | 288651.75839 | 2843221.0248 |
| 48 | 288650.412828 | 2843221.99041 |
| 49 | 288642.096026 | 2843228.49781 |
| 50 | 288641.322053 | 2843229.1354 |
| 51 | 288640.888208 | 2843229.52251 |
| 52 | 288634.686991 | 2843235.22075 |
| 53 | 288633.144677 | 2843236.60376 |
| 54 | 288626.234295 | 2843244.72882 |
| 55 | 288625.76756 | 2843245.28438 |
| 56 | 288593.949793 | 2843284.67269 |
| 57 | 288609.557301 | 2843311.81371 |
| 58 | 288610.046631 | 2843312.78285 |
| 59 | 288614.488653 | 2843322.91197 |
| 60 | 288656.635513 | 2843270.73659 |
| 61 | 288662.570374 | 2843263.93003 |
| 62 | 288667.372886 | 2843259.51727 |
| 63 | 288674.413361 | 2843254.00847 |
| 64 | 288678.920558 | 2843251.04815 |
| 65 | 288686.05298 | 2843247.18314 |
| 66 | 288693.813959 | 2843243.96366 |
| 67 | 288700.299611 | 2843241.92394 |
| 68 | 288708.395564 | 2843240.14138 |
| 69 | 288714.145691 | 2843239.34984 |
| 70 | 288719.371163 | 2843238.90768 |
| 71 | 288724.596854 | 2843238.89844 |
| 72 | 288736.551906 | 2843240.05598 |
| 73 | 288762.163858 | 2843243.20611 |
| 74 | 288770.507218 | 2843244.59643 |
| 75 | 288774.336882 | 2843245.48036 |
| 76 | 288778.956663 | 2843247.10811 |
| 77 | 288781.526284 | 2843248.23316 |
| 78 | 288784.753956 | 2843250.39343 |
| 79 | 288785.866252 | 2843251.33551 |
| 80 | 288787.796411 | 2843253.37435 |
| 81 | 288789.298787 | 2843255.14385 |
| 82 | 288791.795952 | 2843258.87371 |
| 83 | 288794.699498 | 2843263.93838 |
| 84 | 288799.71355 | 2843274.12143 |
| 85 | 288805.437589 | 2843285.9136 |
| 86 | 288805.866501 | 2843286.74698 |
| 87 | 288807.853066 | 2843290.39409 |
| 88 | 288808.28782 | 2843291.15213 |
| 89 | 288810.240375 | 2843294.37056 |
| 90 | 288810.853156 | 2843295.319 |
| 91 | 288813.319653 | 2843298.91003 |
| 92 | 288814.446306 | 2843300.39661 |
| 93 | 288817.523055 | 2843304.08595 |
| 94 | 288817.768472 | 2843304.37454 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 96 | 288822.522656 | 2843309.19766 |
| 97 | 288823.56532 | 2843310.16776 |
| 98 | 288826.781714 | 2843312.95347 |
| 99 | 288827.265483 | 2843313.35915 |
| 100 | 288827.745012 | 2843313.73678 |
| 101 | 288831.470489 | 2843316.57887 |
| 102 | 288832.283956 | 2843317.16764 |
| 103 | 288858.831209 | 2843335.3874 |
| 104 | 288865.314964 | 2843339.9767 |
| 105 | 288868.033909 | 2843342.11091 |
| 106 | 288870.530515 | 2843344.52113 |
| 107 | 288873.307191 | 2843347.45118 |
| 108 | 288873.809469 | 2843348.11776 |
| 109 | 288875.339251 | 2843350.54916 |
| 110 | 288875.628508 | 2843351.09018 |
| 111 | 288876.067887 | 2843352.11633 |
| 112 | 288876.940167 | 2843354.44209 |
| 113 | 288877.380558 | 2843356.21775 |
| 114 | 288878.002424 | 2843359.25647 |
| 115 | 288878.452234 | 2843362.85382 |
| 116 | 288879.094099 | 2843374.45619 |
| 117 | 288880.345052 | 2843406.36922 |
| 118 | 288880.357062 | 2843406.63003 |
| 119 | 288880.477451 | 2843408.93339 |
| 120 | 288880.725309 | 2843411.19525 |
| 121 | 288881.264607 | 2843414.41317 |
| 122 | 288881.351176 | 2843414.89354 |
| 123 | 288881.471737 | 2843415.47282 |
| 124 | 288881.923413 | 2843417.49226 |
| 125 | 288882.313819 | 2843418.97005 |
| 126 | 288883.747519 | 2843423.6636 |
| 127 | 288884.192457 | 2843424.95954 |
| 128 | 288884.553871 | 2843425.84153 |
| 129 | 288885.368727 | 2843427.70301 |
| 130 | 288885.686821 | 2843428.39365 |
| 131 | 288886.946083 | 2843430.99608 |
| 132 | 288887.790325 | 2843432.55962 |
| 133 | 288887.967317 | 2843432.84959 |
| 134 | 288890.281138 | 2843436.56893 |
| 135 | 288891.472638 | 2843438.27882 |
| 136 | 288894.167825 | 2843441.74623 |
| 137 | 288894.844351 | 2843442.57048 |
| 138 | 288895.389783 | 2843443.17449 |
| 139 | 288895.737806 | 2843443.54456 |
| 140 | 288896.926195 | 2843441.49292 |
| 141 | 288902.715091 | 2843425.55877 |
| 142 | 288903.016415 | 2843424.82219 |
| 143 | 288903.375404 | 2843424.11179 |
| 144 | 288903.438632 | 2843423.99977 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 146 | 288909.689786 | 2843412.81233 |
| 147 | 288910.373663 | 2843412.16493 |
| 148 | 288910.95272 | 2843411.51232 |
| 149 | 288911.586526 | 2843410.91265 |
| 150 | 288912.270188 | 2843410.37049 |
| 151 | 288912.998537 | 2843409.8901 |
| 152 | 288913.396571 | 2843409.66402 |
| 153 | 288920.40081 | 2843405.89416 |
| 154 | 288920.369377 | 2843405.7064 |
| 155 | 288920.315235 | 2843404.67093 |
| 156 | 288919.062951 | 2843372.72494 |
| 157 | 288919.047809 | 2843372.40348 |
| 158 | 288918.358784 | 2843359.95239 |
| 159 | 288918.234826 | 2843358.5756 |
| 160 | 288917.603026 | 2843353.52316 |
| 161 | 288917.39588 | 2843352.21846 |
| 162 | 288917.351606 | 2843351.99563 |
| 163 | 288916.491996 | 2843347.79411 |
| 164 | 288916.309579 | 2843346.98769 |
| 165 | 288915.490477 | 2843343.68573 |
| 166 | 288914.804815 | 2843341.47708 |
| 167 | 288913.343179 | 2843337.58052 |
| 168 | 288913.024108 | 2843336.78884 |
| 169 | 288912.064797 | 2843334.54867 |
| 170 | 288911.318494 | 2843332.99454 |
| 171 | 288910.288962 | 2843331.06811 |
| 172 | 288909.8089 | 2843330.2202 |
| 173 | 288909.577521 | 2843329.84339 |
| 174 | 288907.337193 | 2843326.28292 |
| 175 | 288906.855606 | 2843326.2011 |
| 176 | 288896.634662 | 2843323.56658 |
| 177 | 288890.171292 | 2843321.62344 |
| 178 | 288886.939559 | 2843320.65173 |
| 179 | 288884.515873 | 2843319.92306 |
| 180 | 288883.629832 | 2843319.27854 |
| 181 | 288882.260183 | 2843315.73869 |
| 182 | 288881.010377 | 2843314.04808 |
| 183 | 288880.286691 | 2843312.07741 |
| 184 | 288880.896721 | 2843310.06967 |
| 185 | 288881.140821 | 2843309.26643 |
| 186 | 288881.872859 | 2843306.85721 |
| 187 | 288883.558256 | 2843303.87602 |
| 188 | 288881.824618 | 2843302.64884 |
| 189 | 288881.587029 | 2843302.48321 |
| 190 | 288855.336736 | 2843284.46755 |
| 191 | 288852.50394 | 2843282.30655 |
| 192 | 288850.295704 | 2843280.39382 |
| 193 | 288847.665132 | 2843277.7656 |
| 194 | 288845.767885 | 2843275.49064 |
| 195 | 288844.150088 | 2843273.13529 |
| 196 | 288842.761997 | 2843270.84744 |
| 197 | 288841.223133 | 2843268.02245 |
| 198 | 288835.655036 | 2843256.55167 |
| 199 | 288830.311878 | 2843245.69987 |
| 200 | 288829.719775 | 2843244.58716 |
| 201 | 288826.157465 | 2843238.37365 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 289193.944208 | 2843431.17343 |
| 2 | 289191.464232 | 2843426.23269 |
| 3 | 289190.748698 | 2843424.93029 |
| 4 | 289190.452955 | 2843424.45176 |
| 5 | 289187.513951 | 2843419.84251 |
| 6 | 289186.796652 | 2843418.70257 |
| 7 | 289186.013923 | 2843417.7902 |
| 8 | 289183.086859 | 2843414.27819 |
| 9 | 289182.837586 | 2843413.98498 |
| 10 | 289181.941729 | 2843413.0175 |
| 11 | 289177.261691 | 2843408.28626 |
| 12 | 289175.666354 | 2843406.8386 |
| 13 | 289170.78245 | 2843402.86401 |
| 14 | 289169.549093 | 2843401.93788 |
| 15 | 289168.2556 | 2843401.11396 |
| 16 | 289161.111116 | 2843396.93884 |
| 17 | 289160.743622 | 2843396.72933 |
| 18 | 289158.949755 | 2843395.84579 |
| 19 | 289154.72761 | 2843394.02225 |
| 20 | 289153.33823 | 2843393.48268 |
| 21 | 289152.895876 | 2843393.33535 |
| 22 | 289147.360657 | 2843391.56319 |
| 23 | 289144.960329 | 2843390.95559 |
| 24 | 289139.598606 | 2843389.94665 |
| 25 | 289139.059405 | 2843389.85287 |
| 26 | 289137.839184 | 2843389.69599 |
| 27 | 289133.194681 | 2843389.24358 |
| 28 | 289131.881974 | 2843389.15903 |
| 29 | 289127.926504 | 2843389.03509 |
| 30 | 289126.981354 | 2843389.02771 |
| 31 | 289125.831808 | 2843389.07918 |
| 32 | 289120.98581 | 2843389.43561 |
| 33 | 289119.339134 | 2843389.62564 |
| 34 | 289114.217505 | 2843390.43303 |
| 35 | 289113.545681 | 2843390.55065 |
| 36 | 289112.167664 | 2843390.86736 |
| 37 | 289107.989215 | 2843391.98392 |
| 38 | 289106.164223 | 2843392.56665 |
| 39 | 289102.020229 | 2843394.1121 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 41 | 289100.860257 | 2843394.58659 |
| 42 | 289096.201567 | 2843396.66472 |
| 43 | 289094.602179 | 2843397.4659 |
| 44 | 289052.745915 | 2843420.8277 |
| 45 | 289039.199617 | 2843428.08935 |
| 46 | 289036.983576 | 2843428.73532 |
| 47 | 289034.883653 | 2843429.06343 |
| 48 | 289032.981084 | 2843429.17962 |
| 49 | 289030.331999 | 2843428.99795 |
| 50 | 289028.69871 | 2843428.68421 |
| 51 | 289026.175606 | 2843427.86273 |
| 52 | 289024.12345 | 2843426.92005 |
| 53 | 289012.350983 | 2843420.73453 |
| 54 | 289010.526307 | 2843419.89008 |
| 55 | 289002.543259 | 2843416.67165 |
| 56 | 289001.605552 | 2843416.32063 |
| 57 | 289000.182815 | 2843415.88685 |
| 58 | 288995.99796 | 2843414.7792 |
| 59 | 288994.111319 | 2843414.37592 |
| 60 | 288988.608097 | 2843413.47492 |
| 61 | 288986.16427 | 2843413.23219 |
| 62 | 288982.745081 | 2843413.10355 |
| 63 | 288981.623623 | 2843413.0929 |
| 64 | 288976.281182 | 2843413.20506 |
| 65 | 288974.940556 | 2843413.27822 |
| 66 | 288973.607952 | 2843413.44125 |
| 67 | 288968.077055 | 2843414.30713 |
| 68 | 288967.384159 | 2843414.42818 |
| 69 | 288966.184813 | 2843414.69781 |
| 70 | 288961.792962 | 2843415.82829 |
| 71 | 288960.880753 | 2843416.08637 |
| 72 | 288944.488965 | 2843421.14476 |
| 73 | 288940.660653 | 2843422.04852 |
| 74 | 288939.096109 | 2843422.17927 |
| 75 | 288937.164086 | 2843422.11297 |
| 76 | 288934.372984 | 2843421.61517 |
| 77 | 288933.709082 | 2843421.44756 |
| 78 | 288925.392455 | 2843425.92375 |
| 79 | 288921.22136 | 2843433.19959 |
| 80 | 288915.424839 | 2843449.15498 |
| 81 | 288915.123515 | 2843449.89156 |
| 82 | 288914.764527 | 2843450.60196 |
| 83 | 288914.67898 | 2843450.75271 |
| 84 | 288911.838022 | 2843455.65744 |
| 85 | 288912.666575 | 2843456.10566 |
| 86 | 288914.523853 | 2843456.98995 |
| 87 | 288918.577508 | 2843458.6704 |
| 88 | 288919.69608 | 2843459.09536 |
| 89 | 288921.342404 | 2843459.58697 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
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| 91 | 288926.652596 | 2843460.87559 |
| 92 | 288931.542693 | 2843461.74776 |
| 93 | 288931.895251 | 2843461.80732 |
| 94 | 288934.369176 | 2843462.04667 |
| 95 | 288938.901667 | 2843462.20201 |
| 96 | 288939.905715 | 2843462.21124 |
| 97 | 288941.252217 | 2843462.14446 |
| 98 | 288945.473137 | 2843461.79183 |
| 99 | 288947.594753 | 2843461.49954 |
| 100 | 288948.404287 | 2843461.3261 |
| 101 | 288954.33839 | 2843459.92511 |
| 102 | 288955.640494 | 2843459.57082 |
| 103 | 288972.224256 | 2843454.45338 |
| 104 | 288975.220433 | 2843453.68217 |
| 105 | 288978.466671 | 2843453.17396 |
| 106 | 288981.827324 | 2843453.10322 |
| 107 | 288983.412685 | 2843453.16299 |
| 108 | 288986.694075 | 2843453.70012 |
| 109 | 288988.740482 | 2843454.24197 |
| 110 | 288994.634397 | 2843456.61796 |
| 111 | 289005.985886 | 2843462.58214 |
| 112 | 289006.939377 | 2843463.0514 |
| 113 | 289010.529486 | 2843464.70069 |
| 114 | 289012.338372 | 2843465.4271 |
| 115 | 289012.687512 | 2843465.54422 |
| 116 | 289017.504252 | 2843467.11249 |
| 117 | 289019.922522 | 2843467.73573 |
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| 119 | 289024.59108 | 2843468.62282 |
| 120 | 289026.382262 | 2843468.82701 |
| 121 | 289031.538498 | 2843469.18054 |
| 122 | 289033.225194 | 2843469.22495 |
| 123 | 289034.126059 | 2843469.19039 |
| 124 | 289038.261162 | 2843468.93772 |
| 125 | 289040.130025 | 2843468.73517 |
| 126 | 289044.466403 | 2843468.05745 |
| 127 | 289045.164792 | 2843467.93561 |
| 128 | 289047.040361 | 2843467.47923 |
| 129 | 289051.353451 | 2843466.20623 |
| 130 | 289052.831036 | 2843465.70675 |
| 131 | 289052.978755 | 2843465.64979 |
| 132 | 289054.877396 | 2843464.90692 |
| 133 | 289057.032537 | 2843463.91262 |
| 134 | 289071.787886 | 2843456.01167 |
| 135 | 289072.09421 | 2843455.84416 |
| 136 | 289113.318334 | 2843432.83519 |
| 137 | 289116.587656 | 2843431.37671 |
| 138 | 289119.244992 | 2843430.3858 |
| 139 | 289121.482655 | 2843429.78774 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
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| 142 | 289129.970785 | 2843429.12472 |
| 143 | 289133.075162 | 2843429.42722 |
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| 145 | 289139.764895 | 2843431.13766 |
| 146 | 289141.974337 | 2843432.09181 |
| 147 | 289146.736527 | 2843434.87463 |
| 148 | 289149.578426 | 2843437.18741 |
| 149 | 289152.900808 | 2843440.54614 |
| 150 | 289154.466335 | 2843442.42449 |
| 151 | 289156.169531 | 2843445.09562 |
| 152 | 289157.730167 | 2843448.20492 |
| 153 | 289158.930452 | 2843451.36639 |
| 154 | 289159.958786 | 2843455.58198 |
| 155 | 289160.479839 | 2843459.51345 |
| 156 | 289160.438627 | 2843463.6438 |
| 157 | 289160.026687 | 2843466.81617 |
| 158 | 289159.134181 | 2843470.48141 |
| 159 | 289157.892105 | 2843473.91144 |
| 160 | 289155.752385 | 2843477.9531 |
| 161 | 289155.491425 | 2843478.46351 |
| 162 | 289153.368255 | 2843482.7678 |
| 163 | 289152.396117 | 2843485.0994 |
| 164 | 289150.907867 | 2843489.43554 |
| 165 | 289150.287052 | 2843491.65263 |
| 166 | 289149.167096 | 2843496.77081 |
| 167 | 289148.955866 | 2843497.68714 |
| 168 | 289148.753856 | 2843499.64552 |
| 169 | 289148.390109 | 2843504.82551 |
| 170 | 289148.343419 | 2843506.54495 |
| 171 | 289148.395449 | 2843507.70423 |
| 172 | 289148.788859 | 2843513.01698 |
| 173 | 289148.992573 | 2843514.7432 |
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| 175 | 289149.65365 | 2843518.76392 |
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| 177 | 289151.816716 | 2843526.22065 |
| 178 | 289152.25896 | 2843527.50797 |
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| 180 | 289154.512954 | 2843532.49006 |
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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 190 | 289167.648293 | 2843549.71428 |
| 191 | 289167.996258 | 2843549.99058 |
| 192 | 289173.108356 | 2843553.95814 |
| 193 | 289174.14718 | 2843554.71237 |
| 194 | 289180.489773 | 2843559.01285 |
| 195 | 289182.077891 | 2843560.17232 |
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| 198 | 289185.73336 | 2843564.08353 |
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| 200 | 289187.54388 | 2843567.48036 |
| 201 | 289188.178613 | 2843569.40272 |
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| 203 | 289188.826621 | 2843574.0502 |
| 204 | 289188.731623 | 2843576.61579 |
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| 206 | 289187.410655 | 2843581.38687 |
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| 208 | 289185.186354 | 2843585.1852 |
| 209 | 289177.933239 | 2843593.5209 |
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| 211 | 289177.260607 | 2843594.33643 |
| 212 | 289173.793383 | 2843598.77431 |
| 213 | 289173.140104 | 2843599.65979 |
| 214 | 289169.787597 | 2843604.47485 |
| 215 | 289169.261994 | 2843605.2695 |
| 216 | 289165.615234 | 2843611.07874 |
| 217 | 289165.076755 | 2843611.9891 |
| 218 | 289164.683955 | 2843612.73142 |
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| 221 | 289156.191485 | 2843631.49944 |
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| 223 | 289155.6167 | 2843633.13011 |
| 224 | 289154.02258 | 2843638.36456 |
| 225 | 289153.963595 | 2843638.56182 |
| 226 | 289153.080811 | 2843641.57127 |
| 227 | 289152.68828 | 2843643.14203 |
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| 229 | 289147.678109 | 2843667.34719 |
| 230 | 289145.24436 | 2843676.70247 |
| 231 | 289143.476132 | 2843681.73051 |
| 232 | 289142.01456 | 2843685.23868 |
| 233 | 289139.441502 | 2843690.60999 |
| 234 | 289137.542925 | 2843694.02247 |
| 235 | 289132.748454 | 2843701.24278 |
| 236 | 289110.067218 | 2843732.47164 |
| 237 | 289109.506 | 2843733.2859 |
| 238 | 289104.317703 | 2843741.22704 |
| 239 | 289103.793412 | 2843742.07509 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
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| 241 | 289098.769728 | 2843750.68022 |
| 242 | 289098.346483 | 2843751.48342 |
| 243 | 289091.244378 | 2843765.73593 |
| 244 | 289090.866015 | 2843766.53941 |
| 245 | 289081.178756 | 2843788.3553 |
| 246 | 289058.186264 | 2843839.81799 |
| 247 | 289057.768194 | 2843840.8268 |
| 248 | 289053.972302 | 2843850.74324 |
| 249 | 289053.750312 | 2843851.35269 |
| 250 | 289053.445393 | 2843852.31126 |
| 251 | 289051.928992 | 2843857.52835 |
| 252 | 289051.607685 | 2843858.78476 |
| 253 | 289050.67759 | 2843862.98299 |
| 254 | 289050.454187 | 2843864.15602 |
| 255 | 289049.785229 | 2843868.35498 |
| 256 | 289049.562939 | 2843870.46577 |
| 257 | 289049.374931 | 2843874.08942 |
| 258 | 289049.350626 | 2843875.44415 |
| 259 | 289049.353624 | 2843875.59847 |
| 260 | 289049.441585 | 2843879.32077 |
| 261 | 289049.515287 | 2843880.62691 |
| 262 | 289049.674195 | 2843881.9256 |
| 263 | 289050.283074 | 2843885.83644 |
| 264 | 289050.406593 | 2843886.54553 |
| 265 | 289050.514008 | 2843887.06532 |
| 266 | 289051.694487 | 2843892.42026 |
| 267 | 289052.023505 | 2843893.70758 |
| 268 | 289052.437185 | 2843894.97014 |
| 269 | 289054.330973 | 2843900.16075 |
| 270 | 289054.436884 | 2843900.44428 |
| 271 | 289055.07928 | 2843901.93988 |
| 272 | 289057.216421 | 2843906.4055 |
| 273 | 289058.09778 | 2843908.04608 |
| 274 | 289058.672708 | 2843908.95049 |
| 275 | 289061.520494 | 2843913.17529 |
| 276 | 289062.994709 | 2843915.09953 |
| 277 | 289066.722254 | 2843919.39533 |
| 278 | 289068.190879 | 2843920.91734 |
| 279 | 289071.961525 | 2843924.43244 |
| 280 | 289072.989017 | 2843925.32696 |
| 281 | 289073.79227 | 2843925.9463 |
| 282 | 289078.643237 | 2843929.49434 |
| 283 | 289080.727561 | 2843930.82926 |
| 284 | 289080.947806 | 2843930.94983 |
| 285 | 289084.566015 | 2843932.90363 |
| 286 | 289086.417011 | 2843933.78385 |
| 287 | 289090.986368 | 2843935.67617 |
| 288 | 289092.098168 | 2843936.09837 |
| 289 | 289093.270651 | 2843936.46419 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 290 | 289099.615327 | 2843938.23199 |
| 291 | 289100.822573 | 2843938.49581 |
| 292 | 289114.698399 | 2843911.09244 |
| 293 | 289112.928203 | 2843899.60061 |
| 294 | 289112.132288 | 2843899.60122 |
| 295 | 289108.740753 | 2843899.2447 |
| 296 | 289105.174657 | 2843898.25106 |
| 297 | 289102.671519 | 2843897.21449 |
| 298 | 289101.158585 | 2843896.39746 |
| 299 | 289098.370601 | 2843894.35829 |
| 300 | 289096.244829 | 2843892.37654 |
| 301 | 289094.013695 | 2843889.80531 |
| 302 | 289092.667903 | 2843887.80886 |
| 303 | 289091.582156 | 2843885.5404 |
| 304 | 289090.475953 | 2843882.50848 |
| 305 | 289089.716677 | 2843879.06395 |
| 306 | 289089.405515 | 2843877.06589 |
| 307 | 289089.366309 | 2843875.40791 |
| 308 | 289089.460151 | 2843873.59983 |
| 309 | 289089.866252 | 2843871.05021 |
| 310 | 289090.526369 | 2843868.07081 |
| 311 | 289091.630504 | 2843864.27194 |
| 312 | 289094.935234 | 2843855.63824 |
| 313 | 289117.718753 | 2843804.64356 |
| 314 | 289127.249058 | 2843783.16088 |
| 315 | 289133.856124 | 2843769.92228 |
| 316 | 289138.081823 | 2843762.69128 |
| 317 | 289142.727322 | 2843755.58097 |
| 318 | 289165.36405 | 2843724.41337 |
| 319 | 289165.84337 | 2843723.72359 |
| 320 | 289171.30467 | 2843715.4989 |
| 321 | 289172.120466 | 2843714.15908 |
| 322 | 289174.697968 | 2843709.52647 |
| 323 | 289175.258162 | 2843708.44315 |
| 324 | 289178.319307 | 2843702.05267 |
| 325 | 289178.743855 | 2843701.10395 |
| 326 | 289180.622731 | 2843696.59427 |
| 327 | 289181.028313 | 2843695.53743 |
| 328 | 289183.278751 | 2843689.13752 |
| 329 | 289183.750934 | 2843687.58452 |
| 330 | 289186.523357 | 2843676.92672 |
| 331 | 289186.753956 | 2843675.93824 |
| 332 | 289188.980828 | 2843665.16105 |
| 333 | 289191.697169 | 2843652.05516 |
| 334 | 289192.323437 | 2843649.92001 |
| 335 | 289193.635256 | 2843645.61308 |
| 336 | 289196.437576 | 2843638.63914 |
| 337 | 289200.003307 | 2843631.54433 |
| 338 | 289202.891412 | 2843626.94356 |
| 339 | 289205.657319 | 2843622.97088 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 340 | 289208.460051 | 2843619.38329 |
| 341 | 289216.17099 | 2843610.52151 |
| 342 | 289216.606457 | 2843610.00354 |
| 343 | 289217.660158 | 2843608.58222 |
| 344 | 289220.436926 | 2843604.46875 |
| 345 | 289221.337404 | 2843603.00233 |
| 346 | 289221.815688 | 2843602.08794 |
| 347 | 289223.849025 | 2843597.94335 |
| 348 | 289224.763767 | 2843595.76125 |
| 349 | 289226.38396 | 2843591.14786 |
| 350 | 289227.065727 | 2843588.70349 |
| 351 | 289228.22703 | 2843583.21454 |
| 352 | 289228.40909 | 2843582.2339 |
| 353 | 289228.646554 | 2843579.81433 |
| 354 | 289228.839916 | 2843574.593 |
| 355 | 289228.851078 | 2843573.53467 |
| 356 | 289228.821399 | 2843572.71874 |
| 357 | 289228.554231 | 2843568.01219 |
| 358 | 289228.433821 | 2843566.68049 |
| 359 | 289228.224737 | 2843565.35977 |
| 360 | 289228.139535 | 2843564.94187 |
| 361 | 289227.065688 | 2843559.94638 |
| 362 | 289226.503965 | 2843557.87935 |
| 363 | 289225.109283 | 2843553.65493 |
| 364 | 289224.800215 | 2843552.78675 |
| 365 | 289224.093584 | 2843551.15793 |
| 366 | 289222.224124 | 2843547.32474 |
| 367 | 289221.468603 | 2843545.92052 |
| 368 | 289219.424757 | 2843542.46043 |
| 369 | 289218.65522 | 2843541.26502 |
| 370 | 289217.840212 | 2843540.17418 |
| 371 | 289215.617952 | 2843537.40177 |
| 372 | 289215.126767 | 2843536.81234 |
| 373 | 289214.725215 | 2843536.36299 |
| 374 | 289211.727767 | 2843533.10742 |
| 375 | 289210.164218 | 2843531.5851 |
| 376 | 289207.726752 | 2843529.45801 |
| 377 | 289207.187426 | 2843529.00398 |
| 378 | 289206.370911 | 2843528.37487 |
| 379 | 289203.799716 | 2843526.49756 |
| 380 | 289203.229351 | 2843526.09604 |
| 381 | 289197.130286 | 2843521.96079 |
| 382 | 289193.797734 | 2843519.37437 |
| 383 | 289192.813332 | 2843518.31771 |
| 384 | 289191.501855 | 2843516.5553 |
| 385 | 289190.338418 | 2843514.64823 |
| 386 | 289189.672079 | 2843513.20841 |
| 387 | 289188.821722 | 2843510.42884 |
| 388 | 289188.621408 | 2843509.19428 |
| 389 | 289188.398798 | 2843506.18687 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 390 | 289188.559436 | 2843503.90107 |
| 391 | 289189.121733 | 2843501.33124 |
| 392 | 289189.812269 | 2843499.31904 |
| 393 | 289191.24353 | 2843496.41777 |
| 394 | 289193.902472 | 2843491.39521 |
| 395 | 289194.511695 | 2843490.1407 |
| 396 | 289195.032067 | 2843488.84645 |
| 397 | 289197.120168 | 2843483.08005 |
| 398 | 289197.215397 | 2843482.81116 |
| 399 | 289197.747353 | 2843481.00179 |
| 400 | 289199.156732 | 2843475.2141 |
| 401 | 289199.47349 | 2843473.64156 |
| 402 | 289199.558105 | 2843473.05731 |
| 403 | 289200.265197 | 2843467.61186 |
| 404 | 289200.430658 | 2843465.23539 |
| 405 | 289200.497863 | 2843458.49171 |
| 406 | 289200.49632 | 2843457.97451 |
| 407 | 289200.325501 | 2843455.66488 |
| 408 | 289199.476619 | 2843449.25905 |
| 409 | 289199.288258 | 2843448.10044 |
| 410 | 289199.080028 | 2843447.14595 |
| 411 | 289197.503356 | 2843440.68273 |
| 412 | 289196.770837 | 2843438.32363 |
| 413 | 289194.759794 | 2843433.02694 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 289529.714886 | 2843992.2924 |
| 2 | 289532.672123 | 2843991.79349 |
| 3 | 289534.381066 | 2843991.81069 |
| 4 | 289534.457083 | 2843991.81587 |
| 5 | 289533.842398 | 2843990.44109 |
| 6 | 289531.425316 | 2843985.58661 |
| 7 | 289530.681306 | 2843984.22714 |
| 8 | 289530.095505 | 2843983.30664 |
| 9 | 289527.675779 | 2843979.72413 |
| 10 | 289526.505805 | 2843978.16195 |
| 11 | 289523.765553 | 2843974.853 |
| 12 | 289523.476257 | 2843974.51169 |
| 13 | 289521.938381 | 2843972.92336 |
| 14 | 289518.76289 | 2843969.98757 |
| 15 | 289517.796559 | 2843969.14975 |
| 16 | 289516.897601 | 2843968.46075 |
| 17 | 289513.052166 | 2843965.70242 |
| 18 | 289512.140454 | 2843965.03475 |
| 19 | 289511.63593 | 2843964.68948 |
| 20 | 289510.156404 | 2843963.76205 |
| 21 | 289509.678831 | 2843963.5162 |
| 22 | 289508.603089 | 2843962.96415 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 23 | 289505.191732 | 2843961.16401 |
| 24 | 289503.909992 | 2843960.55234 |
| 25 | 289502.588187 | 2843960.0332 |
| 26 | 289497.552172 | 2843958.25876 |
| 27 | 289496.008304 | 2843957.76849 |
| 28 | 289493.443055 | 2843957.11898 |
| 29 | 289491.740577 | 2843956.75307 |
| 30 | 289489.162485 | 2843956.31527 |
| 31 | 289488.974094 | 2843956.28418 |
| 32 | 289487.663955 | 2843956.11863 |
| 33 | 289482.0927 | 2843955.60112 |
| 34 | 289465.203087 | 2843953.67626 |
| 35 | 289458.724735 | 2843952.55469 |
| 36 | 289453.255354 | 2843951.15809 |
| 37 | 289447.855931 | 2843949.22621 |
| 38 | 289441.173039 | 2843946.31855 |
| 39 | 289434.745211 | 2843942.71154 |
| 40 | 289430.470403 | 2843939.71958 |
| 41 | 289427.282072 | 2843937.25041 |
| 42 | 289424.929754 | 2843935.28159 |
| 43 | 289421.068789 | 2843931.63309 |
| 44 | 289418.68129 | 2843929.40533 |
| 45 | 289415.664234 | 2843925.31051 |
| 46 | 289405.402898 | 2843911.45448 |
| 47 | 289380.174096 | 2843875.07858 |
| 48 | 289380.0171 | 2843874.85467 |
| 49 | 289372.298321 | 2843864.04414 |
| 50 | 289371.536726 | 2843863.04542 |
| 51 | 289368.018557 | 2843858.7203 |
| 52 | 289367.617839 | 2843858.24294 |
| 53 | 289366.314767 | 2843856.87532 |
| 54 | 289362.269598 | 2843853.01282 |
| 55 | 289361.068323 | 2843851.95441 |
| 56 | 289359.642882 | 2843850.89788 |
| 57 | 289355.951887 | 2843848.40771 |
| 58 | 289354.489601 | 2843847.50992 |
| 59 | 289354.052172 | 2843847.27361 |
| 60 | 289348.854987 | 2843844.54917 |
| 61 | 289347.504439 | 2843843.90432 |
| 62 | 289346.109385 | 2843843.36224 |
| 63 | 289345.870176 | 2843843.28113 |
| 64 | 289340.6629 | 2843841.55233 |
| 65 | 289339.282504 | 2843841.14854 |
| 66 | 289337.876614 | 2843840.845 |
| 67 | 289332.180157 | 2843839.82786 |
| 68 | 289331.823716 | 2843839.76745 |
| 69 | 289330.494754 | 2843839.60023 |
| 70 | 289329.157822 | 2843839.52232 |
| 71 | 289323.009119 | 2843839.37042 |
| 72 | 289322.197064 | 2843839.36688 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 73 | 289319.699004 | 2843839.56365 |
| 74 | 289313.569549 | 2843840.43513 |
| 75 | 289312.599501 | 2843840.59744 |
| 76 | 289310.643371 | 2843841.0779 |
| 77 | 289305.581232 | 2843842.59493 |
| 78 | 289304.184205 | 2843843.07048 |
| 79 | 289302.955958 | 2843843.5873 |
| 80 | 289298.932915 | 2843845.4401 |
| 81 | 289297.172115 | 2843846.35953 |
| 82 | 289294.348936 | 2843848.01727 |
| 83 | 289294.201702 | 2843848.10452 |
| 84 | 289293.816039 | 2843848.34146 |
| 85 | 289291.484387 | 2843849.8102 |
| 86 | 289290.349028 | 2843850.58106 |
| 87 | 289271.568956 | 2843864.29493 |
| 88 | 289270.741751 | 2843864.87174 |
| 89 | 289268.77713 | 2843866.02173 |
| 90 | 289266.164034 | 2843867.12085 |
| 91 | 289264.441981 | 2843867.58074 |
| 92 | 289262.234188 | 2843867.87794 |
| 93 | 289259.354725 | 2843867.89214 |
| 94 | 289256.051017 | 2843867.29541 |
| 95 | 289221.547891 | 2843859.27626 |
| 96 | 289220.179309 | 2843859.00802 |
| 97 | 289219.609061 | 2843858.92521 |
| 98 | 289212.725604 | 2843858.02655 |
| 99 | 289210.370653 | 2843857.85951 |
| 100 | 289206.257614 | 2843857.81122 |
| 101 | 289205.704773 | 2843857.81244 |
| 102 | 289204.232622 | 2843857.89027 |
| 103 | 289201.436563 | 2843858.14143 |
| 104 | 289199.440431 | 2843858.42272 |
| 105 | 289199.253755 | 2843858.45977 |
| 106 | 289195.606956 | 2843859.19874 |
| 107 | 289194.33196 | 2843859.50095 |
| 108 | 289190.499465 | 2843860.54293 |
| 109 | 289188.607993 | 2843861.1598 |
| 110 | 289187.851439 | 2843861.46662 |
| 111 | 289184.833638 | 2843862.76313 |
| 112 | 289183.377112 | 2843863.45999 |
| 113 | 289179.390214 | 2843865.56877 |
| 114 | 289178.46122 | 2843866.0924 |
| 115 | 289154.394452 | 2843880.52496 |
| 116 | 289132.211693 | 2843893.39795 |
| 117 | 289134.957281 | 2843911.22194 |
| 118 | 289135.038346 | 2843911.90181 |
| 119 | 289135.0727 | 2843912.58551 |
| 120 | 289135.048474 | 2843913.4577 |
| 121 | 289134.948317 | 2843914.32452 |
| 122 | 289134.773025 | 2843915.17918 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 123 | 289134.524032 | 2843916.01538 |
| 124 | 289134.280828 | 2843916.64799 |
| 125 | 289133.995265 | 2843917.26273 |
| 126 | 289122.991361 | 2843938.99432 |
| 127 | 289125.720979 | 2843938.59192 |
| 128 | 289126.590395 | 2843938.44414 |
| 129 | 289128.453765 | 2843937.99135 |
| 130 | 289134.529838 | 2843936.20239 |
| 131 | 289136.019592 | 2843935.69923 |
| 132 | 289136.313737 | 2843935.58413 |
| 133 | 289142.266505 | 2843933.20128 |
| 134 | 289143.594994 | 2843932.6127 |
| 135 | 289147.605812 | 2843930.65829 |
| 136 | 289148.88335 | 2843929.97723 |
| 137 | 289174.600055 | 2843915.05351 |
| 138 | 289174.841757 | 2843914.91104 |
| 139 | 289198.569593 | 2843900.68162 |
| 140 | 289201.367856 | 2843899.20155 |
| 141 | 289202.352264 | 2843898.77859 |
| 142 | 289204.194649 | 2843898.27761 |
| 143 | 289206.11754 | 2843897.88796 |
| 144 | 289206.801878 | 2843897.82645 |
| 145 | 289208.719496 | 2843897.84897 |
| 146 | 289213.451503 | 2843898.46672 |
| 147 | 289247.477749 | 2843906.37513 |
| 148 | 289248.450858 | 2843906.57591 |
| 149 | 289254.0563 | 2843907.58849 |
| 150 | 289254.451855 | 2843907.65574 |
| 151 | 289256.076012 | 2843907.84797 |
| 152 | 289257.710418 | 2843907.90678 |
| 153 | 289263.722934 | 2843907.87705 |
| 154 | 289263.942217 | 2843907.87476 |
| 155 | 289266.292871 | 2843907.69846 |
| 156 | 289271.041181 | 2843907.0593 |
| 157 | 289272.158707 | 2843906.87649 |
| 158 | 289273.533436 | 2843906.56075 |
| 159 | 289277.814239 | 2843905.41768 |
| 160 | 289279.792556 | 2843904.77732 |
| 161 | 289280.40902 | 2843904.53003 |
| 162 | 289285.501288 | 2843902.38815 |
| 163 | 289286.695067 | 2843901.83919 |
| 164 | 289287.850237 | 2843901.21292 |
| 165 | 289291.636964 | 2843898.99643 |
| 166 | 289291.807903 | 2843898.89525 |
| 167 | 289292.973768 | 2843898.14094 |
| 168 | 289294.630857 | 2843896.98558 |
| 169 | 289294.98601 | 2843896.73218 |
| 170 | 289313.388228 | 2843883.29393 |
| 171 | 289314.874362 | 2843882.35784 |
| 172 | 289316.571453 | 2843881.3615 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 173 | 289318.413466 | 2843880.51303 |
| 174 | 289320.688822 | 2843879.63118 |
| 175 | 289323.683901 | 2843879.40527 |
| 176 | 289326.646914 | 2843879.47846 |
| 177 | 289329.42532 | 2843879.97454 |
| 178 | 289331.720923 | 2843880.7368 |
| 179 | 289334.495785 | 2843882.19143 |
| 180 | 289335.866034 | 2843883.1159 |
| 181 | 289337.77736 | 2843884.94084 |
| 182 | 289340.104609 | 2843887.80208 |
| 183 | 289347.378468 | 2843897.98923 |
| 184 | 289372.707086 | 2843934.50987 |
| 185 | 289373.06887 | 2843935.01457 |
| 186 | 289383.68317 | 2843949.3475 |
| 187 | 289384.028874 | 2843949.80063 |
| 188 | 289388.105565 | 2843954.98967 |
| 189 | 289388.717792 | 2843955.73146 |
| 190 | 289389.562571 | 2843956.64694 |
| 191 | 289392.786414 | 2843959.93004 |
| 192 | 289393.320139 | 2843960.45353 |
| 193 | 289397.889699 | 2843964.77171 |
| 194 | 289398.789257 | 2843965.57191 |
| 195 | 289401.895057 | 2843968.17145 |
| 196 | 289402.121407 | 2843968.35829 |
| 197 | 289402.486634 | 2843968.64797 |
| 198 | 289406.358116 | 2843971.64603 |
| 199 | 289407.135503 | 2843972.21856 |
| 200 | 289412.619757 | 2843976.05701 |
| 201 | 289414.300976 | 2843977.11357 |
| 202 | 289422.508774 | 2843981.71926 |
| 203 | 289424.285062 | 2843982.59921 |
| 204 | 289432.508398 | 2843986.1773 |
| 205 | 289433.750856 | 2843986.66919 |
| 206 | 289440.661298 | 2843989.14142 |
| 207 | 289440.857424 | 2843989.21045 |
| 208 | 289442.450353 | 2843989.68851 |
| 209 | 289449.588661 | 2843991.51124 |
| 210 | 289451.125312 | 2843991.83991 |
| 211 | 289458.949616 | 2843993.19452 |
| 212 | 289459.201837 | 2843993.23665 |
| 213 | 289460.096853 | 2843993.35916 |
| 214 | 289477.770392 | 2843995.3735 |
| 215 | 289478.185419 | 2843995.41634 |
| 216 | 289483.211035 | 2843995.88313 |
| 217 | 289484.184199 | 2843996.04834 |
| 218 | 289485.097219 | 2843996.28677 |
| 219 | 289487.950588 | 2843997.29213 |
| 220 | 289489.89341 | 2843998.30568 |
| 221 | 289492.491463 | 2844000.18251 |
| 222 | 289493.802786 | 2844001.39484 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 223 | 289495.069951 | 2844002.92518 |
| 224 | 289495.329602 | 2844003.30942 |
| 225 | 289496.03071 | 2844002.7983 |
| 226 | 289498.170502 | 2844001.91623 |
| 227 | 289499.452278 | 2844001.38782 |
| 228 | 289500.862066 | 2844000.56249 |
| 229 | 289502.437351 | 2844000.15737 |
| 230 | 289503.159726 | 2844000.10344 |
| 231 | 289504.989242 | 2843999.10532 |
| 232 | 289506.983433 | 2843998.52683 |
| 233 | 289507.958886 | 2843997.8812 |
| 234 | 289508.678381 | 2843997.82782 |
| 235 | 289511.088967 | 2843997.07708 |
| 236 | 289512.355848 | 2843996.55449 |
| 237 | 289514.211765 | 2843996.27487 |
| 238 | 289515.770332 | 2843995.87451 |
| 239 | 289516.906661 | 2843995.64808 |
| 240 | 289518.462172 | 2843995.24856 |
| 241 | 289519.891165 | 2843995.14345 |
| 242 | 289521.024347 | 2843994.91786 |
| 243 | 289522.156627 | 2843994.69229 |
| 244 | 289523.53565 | 2843993.87971 |
| 245 | 289525.206622 | 2843993.18896 |
| 246 | 289526.751973 | 2843992.7921 |
| 247 | 289527.879129 | 2843992.568 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 289597.883662 | 2844061.88867 |
| 2 | 289599.299081 | 2844032.43725 |
| 3 | 289597.084604 | 2844012.04907 |
| 4 | 289586.438478 | 2843995.38631 |
| 5 | 289586.396805 | 2843995.3207 |
| 6 | 289585.287154 | 2843993.55376 |
| 7 | 289584.472608 | 2843995.79244 |
| 8 | 289584.367255 | 2843996.08919 |
| 9 | 289583.940927 | 2843997.48409 |
| 10 | 289583.047577 | 2844000.83858 |
| 11 | 289582.736733 | 2844002.19377 |
| 12 | 289582.229888 | 2844004.81841 |
| 13 | 289582.11839 | 2844005.45032 |
| 14 | 289581.895359 | 2844007.54795 |
| 15 | 289581.599198 | 2844013.11472 |
| 16 | 289581.221559 | 2844018.09919 |
| 17 | 289580.747652 | 2844020.21645 |
| 18 | 289579.852468 | 2844022.49428 |
| 19 | 289578.584956 | 2844024.85934 |
| 20 | 289577.799017 | 2844025.99366 |
| 21 | 289576.076474 | 2844027.92296 |
| 22 | 289574.345833 | 2844029.49583 |
| 23 | 289572.719609 | 2844030.55948 |
| 24 | 289570.311519 | 2844031.76859 |
| 25 | 289568.35332 | 2844032.45274 |
| 26 | 289566.652922 | 2844032.86521 |
| 27 | 289563.950155 | 2844033.1779 |
| 28 | 289561.35534 | 2844033.09025 |
| 29 | 289559.89161 | 2844032.89534 |
| 30 | 289557.480182 | 2844032.22248 |
| 31 | 289555.050115 | 2844031.1776 |
| 32 | 289552.533133 | 2844029.62325 |
| 33 | 289551.085602 | 2844028.46411 |
| 34 | 289549.960911 | 2844027.37924 |
| 35 | 289548.542552 | 2844025.54686 |
| 36 | 289547.709636 | 2844024.14366 |
| 37 | 289546.049563 | 2844020.92091 |
| 38 | 289543.368401 | 2844014.1852 |
| 39 | 289542.571372 | 2844015.56486 |
| 40 | 289541.790166 | 2844016.64459 |
| 41 | 289541.37198 | 2844016.82344 |
| 42 | 289540.116437 | 2844017.3606 |
| 43 | 289534.801027 | 2844017.64034 |
| 44 | 289531.752887 | 2844017.44659 |
| 45 | 289531.157603 | 2844017.20241 |
| 46 | 289528.576898 | 2844017.55433 |
| 47 | 289526.117181 | 2844017.60485 |
| 48 | 289524.203202 | 2844017.17334 |
| 49 | 289522.759469 | 2844017.28825 |
| 50 | 289522.162823 | 2844017.0436 |
| 51 | 289520.12091 | 2844016.91399 |
| 52 | 289519.099321 | 2844016.8491 |
| 53 | 289516.928035 | 2844017.02161 |
| 54 | 289516.203641 | 2844017.07916 |
| 55 | 289513.431101 | 2844017.00679 |
| 56 | 289511.25323 | 2844017.17971 |
| 57 | 289510.227667 | 2844017.11478 |
| 58 | 289508.773736 | 2844017.23005 |
| 59 | 289506.590452 | 2844017.40325 |
| 60 | 289504.534447 | 2844017.27317 |
| 61 | 289502.346471 | 2844017.44655 |
| 62 | 289501.588711 | 2844017.39869 |
| 63 | 289509.23859 | 2844036.61685 |
| 64 | 289510.04082 | 2844038.37681 |
| 65 | 289512.419563 | 2844042.99671 |
| 66 | 289513.001013 | 2844044.04693 |
| 67 | 289514.823632 | 2844047.11722 |
| 68 | 289516.270339 | 2844049.22491 |
| 69 | 289519.308589 | 2844053.09656 |
| 70 | 289519.926823 | 2844053.84534 |
| 71 | 289521.0283 | 2844055.01775 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 72 | 289523.77664 | 2844057.71687 |
| 73 | 289525.179535 | 2844058.9706 |
| 74 | 289525.29002 | 2844059.05963 |
| 75 | 289528.48212 | 2844061.61556 |
| 76 | 289530.474028 | 2844063.02019 |
| 77 | 289535.283852 | 2844065.99042 |
| 78 | 289536.069021 | 2844066.45102 |
| 79 | 289537.892958 | 2844067.34777 |
| 80 | 289542.910358 | 2844069.50509 |
| 81 | 289544.269555 | 2844070.03152 |
| 82 | 289545.434665 | 2844070.3954 |
| 83 | 289550.466874 | 2844071.80534 |
| 84 | 289552.703626 | 2844072.29035 |
| 85 | 289553.224099 | 2844072.36669 |
| 86 | 289557.054559 | 2844072.8767 |
| 87 | 289559.020071 | 2844073.04012 |
| 88 | 289564.092787 | 2844073.2114 |
| 89 | 289565.084677 | 2844073.22016 |
| 90 | 289567.065574 | 2844073.09015 |
| 91 | 289572.471184 | 2844072.46497 |
| 92 | 289573.956606 | 2844072.23596 |
| 93 | 289574.888365 | 2844072.03354 |
| 94 | 289578.739683 | 2844071.09939 |
| 95 | 289580.622265 | 2844070.5436 |
| 96 | 289584.728739 | 2844069.10661 |
| 97 | 289585.269511 | 2844068.91098 |
| 98 | 289587.105452 | 2844068.10171 |
| 99 | 289591.689085 | 2844065.8006 |
| 100 | 289592.989302 | 2844065.08614 |
| 101 | 289593.663216 | 2844064.66436 |
| 102 | 289597.573366 | 2844062.10686 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 289637.305965 | 2843995.8207 |
| 2 | 289639.522673 | 2843995.67678 |
| 3 | 289641.522385 | 2843995.80419 |
| 4 | 289643.575163 | 2843996.08932 |
| 5 | 289648.315762 | 2843997.28131 |
| 6 | 289649.352822 | 2843997.51309 |
| 7 | 289652.007312 | 2843998.03233 |
| 8 | 289652.687771 | 2843998.15337 |
| 9 | 289653.170964 | 2843998.22453 |
| 10 | 289656.70549 | 2843998.702 |
| 11 | 289658.071509 | 2843998.83897 |
| 12 | 289659.44362 | 2843998.88187 |
| 13 | 289662.779169 | 2843998.87168 |
| 14 | 289663.035556 | 2843998.86921 |
| 15 | 289664.442863 | 2843998.79724 |
| 16 | 289668.665571 | 2843998.43175 |
| 17 | 289670.231327 | 2843998.23389 |
| 18 | 289673.981657 | 2843997.60832 |
| 19 | 289674.476936 | 2843997.51934 |
| 20 | 289676.814728 | 2843996.92057 |
| 21 | 289681.977765 | 2843995.26036 |
| 22 | 289682.9932 | 2843994.90332 |
| 23 | 289683.936538 | 2843994.51503 |
| 24 | 289687.347302 | 2843993.0086 |
| 25 | 289689.571367 | 2843991.85466 |
| 26 | 289694.593011 | 2843988.82322 |
| 27 | 289695.773707 | 2843988.05257 |
| 28 | 289696.897219 | 2843987.20042 |
| 29 | 289700.490712 | 2843984.27008 |
| 30 | 289700.948251 | 2843983.88532 |
| 31 | 289702.491618 | 2843982.39587 |
| 32 | 289706.050616 | 2843978.57186 |
| 33 | 289706.933362 | 2843977.55709 |
| 34 | 289707.617778 | 2843976.66437 |
| 35 | 289710.033415 | 2843973.3235 |
| 36 | 289710.889926 | 2843972.00391 |
| 37 | 289691.751772 | 2843952.99207 |
| 38 | 289690.724462 | 2843952.59529 |
| 39 | 289690.584628 | 2843952.54011 |
| 40 | 289678.60808 | 2843947.70736 |
| 41 | 289677.988014 | 2843949.03646 |
| 42 | 289677.024174 | 2843950.69899 |
| 43 | 289675.923218 | 2843952.22158 |
| 44 | 289674.14261 | 2843954.13485 |
| 45 | 289672.709096 | 2843955.30376 |
| 46 | 289670.017655 | 2843956.92843 |
| 47 | 289668.731892 | 2843957.49635 |
| 48 | 289665.9592 | 2843958.38784 |
| 49 | 289664.428931 | 2843958.64303 |
| 50 | 289661.823455 | 2843958.86865 |
| 51 | 289660.696765 | 2843958.87208 |
| 52 | 289659.11083 | 2843958.65788 |
| 53 | 289657.556152 | 2843958.35369 |
| 54 | 289652.280324 | 2843957.02708 |
| 55 | 289650.562801 | 2843956.67425 |
| 56 | 289650.154803 | 2843956.61345 |
| 57 | 289646.289757 | 2843956.07646 |
| 58 | 289644.809221 | 2843955.92666 |
| 59 | 289640.782221 | 2843955.67018 |
| 60 | 289639.192851 | 2843955.63213 |
| 61 | 289638.214901 | 2843955.67167 |
| 62 | 289633.157028 | 2843956 |
| 63 | 289630.666989 | 2843956.31946 |
| 64 | 289630.076809 | 2843956.44234 |
| 65 | 289625.06533 | 2843957.566 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 66 | 289623.268211 | 2843958.05763 |
| 67 | 289618.654434 | 2843959.55468 |
| 68 | 289617.688402 | 2843959.89559 |
| 69 | 289615.591809 | 2843960.83795 |
| 70 | 289611.469851 | 2843962.98343 |
| 71 | 289610.430165 | 2843963.56469 |
| 72 | 289609.771886 | 2843963.97636 |
| 73 | 289605.666089 | 2843966.65624 |
| 74 | 289604.555518 | 2843967.43615 |
| 75 | 289603.482213 | 2843968.30546 |
| 76 | 289601.025397 | 2843970.44444 |
| 77 | 289600.233277 | 2843971.17275 |
| 78 | 289597.830967 | 2843973.5031 |
| 79 | 289596.931905 | 2843974.48495 |
| 80 | 289603.318011 | 2843984.65313 |
| 81 | 289615.202625 | 2844003.2542 |
| 82 | 289615.355714 | 2844003.50161 |
| 83 | 289615.770774 | 2844004.26896 |
| 84 | 289616.117382 | 2844005.06968 |
| 85 | 289616.393 | 2844005.89755 |
| 86 | 289616.595361 | 2844006.7462 |
| 87 | 289616.717701 | 2844007.55926 |
| 88 | 289619.26961 | 2844031.05566 |
| 89 | 289619.271788 | 2844031.09051 |
| 90 | 289619.449819 | 2844030.46343 |
| 91 | 289620.577899 | 2844025.4234 |
| 92 | 289620.809631 | 2844024.21477 |
| 93 | 289621.00367 | 2844022.56565 |
| 94 | 289621.507711 | 2844015.91341 |
| 95 | 289621.53662 | 2844015.46509 |
| 96 | 289621.771527 | 2844011.04954 |
| 97 | 289621.885078 | 2844010.46156 |
| 98 | 289622.371121 | 2844008.63619 |
| 99 | 289623.167065 | 2844006.44824 |
| 100 | 289623.519503 | 2844005.6711 |
| 101 | 289624.852077 | 2844003.51918 |
| 102 | 289626.596676 | 2844001.33481 |
| 103 | 289627.702508 | 2844000.26218 |
| 104 | 289628.691608 | 2843999.40089 |
| 105 | 289630.814206 | 2843998.01535 |
| 106 | 289632.584989 | 2843997.09361 |
| 107 | 289634.726501 | 2843996.39899 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 289733.714529 | 2843583.0457 |
| 2 | 289754.057882 | 2843582.61218 |
| 3 | 289763.517502 | 2843582.53777 |
| 4 | 289763.677562 | 2843582.53583 |
| 5 | 289764.232517 | 2843582.51935 |
| 6 | 289767.439157 | 2843582.3794 |
| 7 | 289768.376851 | 2843582.31639 |
| 8 | 289772.568929 | 2843581.93558 |
| 9 | 289773.90777 | 2843581.76825 |
| 10 | 289777.644339 | 2843581.17254 |
| 11 | 289778.281029 | 2843581.06049 |
| 12 | 289779.202191 | 2843580.86032 |
| 13 | 289784.183174 | 2843579.6545 |
| 14 | 289786.288702 | 2843579.02047 |
| 15 | 289792.142499 | 2843576.90011 |
| 16 | 289792.46906 | 2843576.77854 |
| 17 | 289793.85492 | 2843576.18841 |
| 18 | 289795.192381 | 2843575.49561 |
| 19 | 289800.232075 | 2843572.63975 |
| 20 | 289800.645059 | 2843572.3993 |
| 21 | 289802.6577 | 2843571.02092 |
| 22 | 289807.350752 | 2843567.36742 |
| 23 | 289808.162216 | 2843566.7008 |
| 24 | 289809.638078 | 2843565.28359 |
| 25 | 289814.178299 | 2843560.45348 |
| 26 | 289815.128471 | 2843559.3665 |
| 27 | 289816.292575 | 2843557.78004 |
| 28 | 289819.201379 | 2843553.37751 |
| 29 | 289819.991676 | 2843552.07632 |
| 30 | 289820.518973 | 2843551.06152 |
| 31 | 289822.395531 | 2843547.18232 |
| 32 | 289823.214721 | 2843545.2319 |
| 33 | 289824.678665 | 2843541.15514 |
| 34 | 289824.755396 | 2843540.93757 |
| 35 | 289825.29998 | 2843539.07681 |
| 36 | 289826.552397 | 2843533.87449 |
| 37 | 289826.856768 | 2843532.35338 |
| 38 | 289827.023499 | 2843531.02959 |
| 39 | 289827.521609 | 2843525.62846 |
| 40 | 289827.603663 | 2843523.47447 |
| 41 | 289827.591554 | 2843523.02969 |
| 42 | 289827.400581 | 2843518.01838 |
| 43 | 289827.259705 | 2843516.29187 |
| 44 | 289826.226759 | 2843508.05307 |
| 45 | 289826.020729 | 2843506.75601 |
| 46 | 289825.762892 | 2843505.60278 |
| 47 | 289820.310764 | 2843484.2042 |
| 48 | 289818.652829 | 2843477.60181 |
| 49 | 289818.524394 | 2843476.60867 |
| 50 | 289818.352562 | 2843474.2568 |
| 51 | 289818.498414 | 2843472.24262 |
| 52 | 289818.891957 | 2843470.27483 |
| 53 | 289819.662616 | 2843467.93412 |
| 54 | 289820.486555 | 2843466.15753 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 55 | 289821.93665 | 2843463.89455 |
| 56 | 289823.507257 | 2843462.15923 |
| 57 | 289825.320263 | 2843460.49522 |
| 58 | 289826.584333 | 2843459.57497 |
| 59 | 289829.005628 | 2843458.19978 |
| 60 | 289831.235994 | 2843457.37404 |
| 61 | 289833.444697 | 2843456.8221 |
| 62 | 289835.164575 | 2843456.59671 |
| 63 | 289837.159954 | 2843456.57136 |
| 64 | 289838.942086 | 2843456.73006 |
| 65 | 289840.949216 | 2843457.09278 |
| 66 | 289851.057339 | 2843459.39424 |
| 67 | 289851.541793 | 2843459.49828 |
| 68 | 289856.392219 | 2843460.47695 |
| 69 | 289857.187829 | 2843460.62089 |
| 70 | 289857.365424 | 2843460.64847 |
| 71 | 289862.41684 | 2843461.41039 |
| 72 | 289863.572028 | 2843461.55023 |
| 73 | 289869.074366 | 2843462.05537 |
| 74 | 289870.872372 | 2843462.13898 |
| 75 | 289875.374832 | 2843462.14563 |
| 76 | 289875.721885 | 2843462.14312 |
| 77 | 289877.084435 | 2843462.07518 |
| 78 | 289882.092791 | 2843461.65307 |
| 79 | 289884.146852 | 2843461.37174 |
| 80 | 289888.726352 | 2843460.50152 |
| 81 | 289890.706233 | 2843460.0169 |
| 82 | 289895.164933 | 2843458.68118 |
| 83 | 289896.563098 | 2843458.20548 |
| 84 | 289896.888302 | 2843458.07785 |
| 85 | 289899.653195 | 2843456.966 |
| 86 | 289901.186696 | 2843456.2729 |
| 87 | 289904.596988 | 2843454.55547 |
| 88 | 289905.828551 | 2843453.87981 |
| 89 | 289909.889712 | 2843451.46324 |
| 90 | 289911.317496 | 2843450.52616 |
| 91 | 289915.772857 | 2843447.32164 |
| 92 | 289916.803013 | 2843446.52879 |
| 93 | 289921.06139 | 2843443.02463 |
| 94 | 289921.450413 | 2843442.69627 |
| 95 | 289921.889265 | 2843442.30444 |
| 96 | 289926.626895 | 2843437.9492 |
| 97 | 289926.908581 | 2843437.68503 |
| 98 | 289935.840437 | 2843429.14988 |
| 99 | 289935.988331 | 2843429.00692 |
| 100 | 289944.413429 | 2843420.78865 |
| 101 | 289948.378294 | 2843417.1604 |
| 102 | 289951.71534 | 2843414.39815 |
| 103 | 289954.022965 | 2843412.72043 |
| 104 | 289956.217389 | 2843411.36929 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 105 | 289958.465458 | 2843410.26376 |
| 106 | 289960.017932 | 2843409.61072 |
| 107 | 289960.923598 | 2843409.31494 |
| 108 | 289962.952035 | 2843408.8454 |
| 109 | 289964.543053 | 2843408.62467 |
| 110 | 289965.777668 | 2843408.54701 |
| 111 | 289967.632534 | 2843408.66162 |
| 112 | 289969.329517 | 2843408.84859 |
| 113 | 289970.690351 | 2843409.15072 |
| 114 | 289972.428773 | 2843409.71912 |
| 115 | 289973.914182 | 2843410.34405 |
| 116 | 289975.351133 | 2843411.08485 |
| 117 | 289977.245928 | 2843412.35316 |
| 118 | 289978.237296 | 2843413.23785 |
| 119 | 289979.449425 | 2843414.48668 |
| 120 | 289981.059373 | 2843416.46946 |
| 121 | 289981.482699 | 2843417.0295 |
| 122 | 289982.461533 | 2843418.77592 |
| 123 | 289983.428894 | 2843420.92086 |
| 124 | 289984.487475 | 2843423.54599 |
| 125 | 289985.326236 | 2843426.4363 |
| 126 | 289986.320138 | 2843430.63265 |
| 127 | 289989.525255 | 2843446.73972 |
| 128 | 289989.608086 | 2843447.13494 |
| 129 | 289991.005022 | 2843453.48317 |
| 130 | 289991.196452 | 2843454.2757 |
| 131 | 289992.50666 | 2843459.25333 |
| 132 | 289992.739233 | 2843460.06673 |
| 133 | 289993.912454 | 2843463.864 |
| 134 | 289994.270935 | 2843464.91917 |
| 135 | 289995.919471 | 2843469.36086 |
| 136 | 289995.986583 | 2843469.53898 |
| 137 | 289996.665582 | 2843471.11107 |
| 138 | 289997.862072 | 2843473.58453 |
| 139 | 289997.871329 | 2843473.5818 |
| 140 | 289998.612534 | 2843473.52919 |
| 141 | 290000.676253 | 2843472.95048 |
| 142 | 290002.877669 | 2843472.0753 |
| 143 | 290005.373247 | 2843471.32441 |
| 144 | 290006.250616 | 2843470.97536 |
| 145 | 290008.878779 | 2843469.93018 |
| 146 | 290010.05138 | 2843469.70462 |
| 147 | 290011.541616 | 2843470.31563 |
| 148 | 290011.582787 | 2843471.74605 |
| 149 | 290011.644657 | 2843473.89596 |
| 150 | 290011.984838 | 2843475.45468 |
| 151 | 290012.464529 | 2843476.71731 |
| 152 | 290013.981468 | 2843478.0507 |
| 153 | 290015.294645 | 2843477.52235 |
| 154 | 290016.422831 | 2843475.85535 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 155 | 290017.273003 | 2843474.78702 |
| 156 | 290018.235921 | 2843472.70777 |
| 157 | 290018.785001 | 2843471.52223 |
| 158 | 290019.333297 | 2843470.33849 |
| 159 | 290020.290542 | 2843468.27159 |
| 160 | 290020.972682 | 2843466.79882 |
| 161 | 290021.653423 | 2843465.32896 |
| 162 | 290022.468619 | 2843463.56887 |
| 163 | 290025.19157 | 2843462.24853 |
| 164 | 290029.11564 | 2843462.121 |
| 165 | 290030.860383 | 2843462.14279 |
| 166 | 290032.336987 | 2843462.74823 |
| 167 | 290033.755327 | 2843461.94426 |
| 168 | 290035.141779 | 2843460.43821 |
| 169 | 290035.824759 | 2843459.77653 |
| 170 | 290035.678632 | 2843459.56369 |
| 171 | 290034.141551 | 2843456.71353 |
| 172 | 290033.09405 | 2843454.54774 |
| 173 | 290031.970796 | 2843451.52142 |
| 174 | 290031.086727 | 2843448.66013 |
| 175 | 290029.988382 | 2843444.48735 |
| 176 | 290028.721751 | 2843438.73141 |
| 177 | 290025.486458 | 2843422.47204 |
| 178 | 290025.332512 | 2843421.76562 |
| 179 | 290024.139671 | 2843416.72932 |
| 180 | 290023.885751 | 2843415.76528 |
| 181 | 290022.626855 | 2843411.42703 |
| 182 | 290022.102393 | 2843409.86325 |
| 183 | 290021.967656 | 2843409.52018 |
| 184 | 290020.380033 | 2843405.58327 |
| 185 | 290020.062701 | 2843404.83997 |
| 186 | 290018.917639 | 2843402.30132 |
| 187 | 290018.386616 | 2843402.70039 |
| 188 | 290017.151482 | 2843403.21963 |
| 189 | 290015.502573 | 2843403.91275 |
| 190 | 290013.970289 | 2843404.31293 |
| 191 | 290012.665133 | 2843405.83833 |
| 192 | 290012.065829 | 2843407.31347 |
| 193 | 290011.585408 | 2843408.49574 |
| 194 | 290011.276851 | 2843410.097 |
| 195 | 290012.032233 | 2843412.4829 |
| 196 | 290012.557233 | 2843413.73853 |
| 197 | 290013.082889 | 2843414.99565 |
| 198 | 290013.784792 | 2843416.67411 |
| 199 | 290014.136168 | 2843417.51443 |
| 200 | 290014.719535 | 2843419.49633 |
| 201 | 290015.544476 | 2843420.68195 |
| 202 | 290015.833376 | 2843422.74682 |
| 203 | 290015.352213 | 2843423.95263 |
| 204 | 290014.452347 | 2843425.33836 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 205 | 290013.132078 | 2843426.90704 |
| 206 | 290011.577348 | 2843427.32651 |
| 207 | 290010.562333 | 2843427.26297 |
| 208 | 290009.072999 | 2843426.65224 |
| 209 | 290007.681585 | 2843426.16357 |
| 210 | 290007.179742 | 2843424.46617 |
| 211 | 290006.05902 | 2843422.951 |
| 212 | 290005.482061 | 2843420.95764 |
| 213 | 290005.080611 | 2843419.39022 |
| 214 | 290004.260613 | 2843418.00323 |
| 215 | 290004.576007 | 2843416.38419 |
| 216 | 290003.828541 | 2843413.98424 |
| 217 | 290002.78723 | 2843411.46866 |
| 218 | 290002.736158 | 2843410.75274 |
| 219 | 290001.870618 | 2843408.66259 |
| 220 | 290001.301871 | 2843406.6975 |
| 221 | 290000.316891 | 2843404.91071 |
| 222 | 289999.456137 | 2843402.83206 |
| 223 | 289998.646133 | 2843401.46614 |
| 224 | 289997.714397 | 2843400.39564 |
| 225 | 289996.906241 | 2843399.03238 |
| 226 | 289995.634208 | 2843397.13703 |
| 227 | 289994.65786 | 2843395.36515 |
| 228 | 289993.049618 | 2843392.65226 |
| 229 | 289992.833056 | 2843391.53864 |
| 230 | 289992.107882 | 2843389.19524 |
| 231 | 289991.430345 | 2843387.55605 |
| 232 | 289990.585014 | 2843385.51064 |
| 233 | 289990.033295 | 2843383.58893 |
| 234 | 289988.484102 | 2843381.59971 |
| 235 | 289987.656298 | 2843380.6661 |
| 236 | 289987.476214 | 2843379.15943 |
| 237 | 289986.550281 | 2843375.7482 |
| 238 | 289985.671016 | 2843373.03712 |
| 239 | 289985.601566 | 2843371.93631 |
| 240 | 289982.196054 | 2843370.82279 |
| 241 | 289980.31599 | 2843370.30795 |
| 242 | 289976.938629 | 2843369.55793 |
| 243 | 289975.763317 | 2843369.33369 |
| 244 | 289974.791923 | 2843369.20258 |
| 245 | 289971.534531 | 2843368.8437 |
| 246 | 289970.578994 | 2843368.76178 |
| 247 | 289967.001519 | 2843368.54052 |
| 248 | 289965.45059 | 2843368.505 |
| 249 | 289964.513189 | 2843368.54188 |
| 250 | 289961.284379 | 2843368.74462 |
| 251 | 289959.789223 | 2843368.89527 |
| 252 | 289956.565553 | 2843369.34259 |
| 253 | 289955.529876 | 2843369.51406 |
| 254 | 289954.804535 | 2843369.66787 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 255 | 289951.042284 | 2843370.53869 |
| 256 | 289949.341856 | 2843371.01219 |
| 257 | 289946.8126 | 2843371.83837 |
| 258 | 289945.885056 | 2843372.16678 |
| 259 | 289945.269364 | 2843372.41372 |
| 260 | 289942.412772 | 2843373.61491 |
| 261 | 289941.339423 | 2843374.10419 |
| 262 | 289937.710126 | 2843375.88906 |
| 263 | 289936.262983 | 2843376.67636 |
| 264 | 289936.049411 | 2843376.80591 |
| 265 | 289932.392661 | 2843379.0577 |
| 266 | 289931.118401 | 2843379.91133 |
| 267 | 289927.682356 | 2843382.40956 |
| 268 | 289926.690387 | 2843383.17949 |
| 269 | 289922.486586 | 2843386.65896 |
| 270 | 289922.142307 | 2843386.95053 |
| 271 | 289921.736826 | 2843387.31163 |
| 272 | 289917.169405 | 2843391.49157 |
| 273 | 289916.706262 | 2843391.92903 |
| 274 | 289908.12555 | 2843400.29918 |
| 275 | 289899.41099 | 2843408.6268 |
| 276 | 289895.21776 | 2843412.48172 |
| 277 | 289891.68564 | 2843415.22367 |
| 278 | 289888.663007 | 2843417.54145 |
| 279 | 289885.974464 | 2843419.14121 |
| 280 | 289883.944052 | 2843420.16378 |
| 281 | 289882.808431 | 2843420.62057 |
| 282 | 289880.215917 | 2843421.39713 |
| 283 | 289877.69877 | 2843421.87562 |
| 284 | 289874.577659 | 2843422.13876 |
| 285 | 289871.834075 | 2843422.13452 |
| 286 | 289867.807029 | 2843421.76495 |
| 287 | 289863.819558 | 2843421.16355 |
| 288 | 289859.695967 | 2843420.33141 |
| 289 | 289849.392527 | 2843417.9855 |
| 290 | 289848.509295 | 2843417.80527 |
| 291 | 289845.170557 | 2843417.20176 |
| 292 | 289844.773722 | 2843417.13411 |
| 293 | 289843.387131 | 2843416.96176 |
| 294 | 289839.695089 | 2843416.63293 |
| 295 | 289837.665754 | 2843416.55578 |
| 296 | 289833.446588 | 2843416.60962 |
| 297 | 289831.133812 | 2843416.77704 |
| 298 | 289827.109424 | 2843417.30435 |
| 299 | 289825.922925 | 2843417.49636 |
| 300 | 289824.858289 | 2843417.73179 |
| 301 | 289820.47145 | 2843418.82802 |
| 302 | 289818.37793 | 2843419.4751 |
| 303 | 289813.595902 | 2843421.24519 |
| 304 | 289813.400851 | 2843421.31834 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 305 | 289812.006372 | 2843421.91268 |
| 306 | 289810.660854 | 2843422.61089 |
| 307 | 289810.211083 | 2843422.86637 |
| 308 | 289811.410617 | 2843424.7207 |
| 309 | 289811.444064 | 2843425.45763 |
| 310 | 289812.249007 | 2843426.87334 |
| 311 | 289813.054792 | 2843428.29094 |
| 312 | 289813.861688 | 2843429.71022 |
| 313 | 289814.233248 | 2843431.31588 |
| 314 | 289814.73918 | 2843432.61486 |
| 315 | 289815.41491 | 2843434.34943 |
| 316 | 289816.140753 | 2843435.46721 |
| 317 | 289819.049428 | 2843435.63977 |
| 318 | 289820.999378 | 2843436.27485 |
| 319 | 289823.042413 | 2843435.65578 |
| 320 | 289824.516418 | 2843435.53265 |
| 321 | 289826.291537 | 2843435.5336 |
| 322 | 289827.763016 | 2843435.41061 |
| 323 | 289829.535338 | 2843435.41171 |
| 324 | 289831.608226 | 2843435.5365 |
| 325 | 289833.377566 | 2843435.53745 |
| 326 | 289834.283059 | 2843435.90876 |
| 327 | 289836.999539 | 2843437.02271 |
| 328 | 289839.112447 | 2843437.88911 |
| 329 | 289840.017941 | 2843438.26053 |
| 330 | 289840.538613 | 2843439.56107 |
| 331 | 289838.989164 | 2843440.74046 |
| 332 | 289837.868311 | 2843441.73546 |
| 333 | 289836.572537 | 2843442.29645 |
| 334 | 289834.885277 | 2843443.79334 |
| 335 | 289833.715429 | 2843444.04449 |
| 336 | 289832.068598 | 2843443.73465 |
| 337 | 289830.724514 | 2843443.54938 |
| 338 | 289827.731064 | 2843443.05381 |
| 339 | 289826.992372 | 2843443.11704 |
| 340 | 289823.901984 | 2843443.68316 |
| 341 | 289821.679875 | 2843443.87376 |
| 342 | 289819.454969 | 2843444.06451 |
| 343 | 289818.712762 | 2843444.1281 |
| 344 | 289816.959012 | 2843444.8825 |
| 345 | 289815.507222 | 2843445.76307 |
| 346 | 289813.442994 | 2843446.39504 |
| 347 | 289811.239572 | 2843447.34274 |
| 348 | 289809.031668 | 2843448.2925 |
| 349 | 289806.956124 | 2843448.92823 |
| 350 | 289805.014728 | 2843449.24892 |
| 351 | 289803.652662 | 2843449.06284 |
| 352 | 289802.734082 | 2843448.68625 |
| 353 | 289801.203204 | 2843448.05847 |
| 354 | 289799.060029 | 2843447.1796 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 355 | 289797.362064 | 2843446.1108 |
| 356 | 289796.415875 | 2843444.97825 |
| 357 | 289795.137455 | 2843442.96652 |
| 358 | 289794.053893 | 2843442.15067 |
| 359 | 289794.139705 | 2843440.33067 |
| 360 | 289795.140345 | 2843438.68971 |
| 361 | 289796.91474 | 2843438.13896 |
| 362 | 289798.243723 | 2843437.57685 |
| 363 | 289800.013096 | 2843436.82827 |
| 364 | 289801.033935 | 2843436.14268 |
| 365 | 289802.053612 | 2843435.45822 |
| 366 | 289803.041793 | 2843434.02871 |
| 367 | 289803.724565 | 2843432.47759 |
| 368 | 289804.67822 | 2843430.31137 |
| 369 | 289803.874965 | 2843428.88825 |
| 370 | 289803.208888 | 2843427.159 |
| 371 | 289803.18845 | 2843427.12285 |
| 372 | 289800.856781 | 2843428.82051 |
| 373 | 289799.531528 | 2843429.87417 |
| 374 | 289799.105134 | 2843430.25425 |
| 375 | 289795.773528 | 2843433.31194 |
| 376 | 289794.468125 | 2843434.62648 |
| 377 | 289791.16079 | 2843438.28073 |
| 378 | 289790.466352 | 2843439.09039 |
| 379 | 289789.149924 | 2843440.91108 |
| 380 | 289786.070155 | 2843445.71674 |
| 381 | 289785.432438 | 2843446.78362 |
| 382 | 289784.765612 | 2843448.09312 |
| 383 | 289782.880519 | 2843452.15763 |
| 384 | 289782.124128 | 2843454.03121 |
| 385 | 289782.027189 | 2843454.31827 |
| 386 | 289780.514908 | 2843458.91122 |
| 387 | 289779.900066 | 2843461.24388 |
| 388 | 289779.023722 | 2843465.62564 |
| 389 | 289778.886558 | 2843466.3881 |
| 390 | 289778.687492 | 2843468.10396 |
| 391 | 289778.346093 | 2843472.81836 |
| 392 | 289778.296385 | 2843474.58039 |
| 393 | 289778.347073 | 2843475.72115 |
| 394 | 289778.665588 | 2843480.07948 |
| 395 | 289778.777499 | 2843481.18629 |
| 396 | 289779.127951 | 2843483.89758 |
| 397 | 289779.324286 | 2843485.11815 |
| 398 | 289779.565172 | 2843486.20438 |
| 399 | 289781.522972 | 2843494.00099 |
| 400 | 289786.687171 | 2843514.26953 |
| 401 | 289787.456859 | 2843520.40845 |
| 402 | 289787.56515 | 2843523.25124 |
| 403 | 289787.319473 | 2843525.91667 |
| 404 | 289786.659721 | 2843528.65694 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
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| 406 | 289785.08708 | 2843532.43805 |
| 407 | 289783.857267 | 2843534.29931 |
| 408 | 289781.551063 | 2843536.75297 |
| 409 | 289779.23633 | 2843538.5549 |
| 410 | 289776.934206 | 2843539.85945 |
| 411 | 289773.700393 | 2843541.03078 |
| 412 | 289770.561453 | 2843541.79062 |
| 413 | 289768.277012 | 2843542.15483 |
| 414 | 289765.224956 | 2843542.43205 |
| 415 | 289762.845731 | 2843542.53596 |
| 416 | 289753.612421 | 2843542.60857 |
| 417 | 289753.397838 | 2843542.61147 |
| 418 | 289732.463738 | 2843543.05745 |
| 419 | 289731.667593 | 2843543.09021 |
| 420 | 289725.787758 | 2843543.45027 |
| 421 | 289724.341685 | 2843543.5917 |
| 422 | 289716.085312 | 2843544.70311 |
| 423 | 289714.968565 | 2843544.88586 |
| 424 | 289713.195901 | 2843545.31201 |
| 425 | 289706.938078 | 2843547.1222 |
| 426 | 289705.357483 | 2843547.65164 |
| 427 | 289704.969657 | 2843547.80449 |
| 428 | 289698.1621 | 2843550.56916 |
| 429 | 289695.887552 | 2843551.6649 |
| 430 | 289689.856337 | 2843555.05495 |
| 431 | 289689.382413 | 2843555.32995 |
| 432 | 289687.947021 | 2843556.27535 |
| 433 | 289686.598225 | 2843557.34046 |
| 434 | 289679.725762 | 2843563.2638 |
| 435 | 289678.538904 | 2843564.37696 |
| 436 | 289677.463352 | 2843565.56241 |
| 437 | 289672.898971 | 2843571.01601 |
| 438 | 289672.715238 | 2843571.24087 |
| 439 | 289671.781672 | 2843572.48595 |
| 440 | 289667.627063 | 2843578.5012 |
| 441 | 289666.606278 | 2843580.1436 |
| 442 | 289665.710055 | 2843581.9665 |
| 443 | 289662.77805 | 2843588.78412 |
| 444 | 289662.251101 | 2843590.14433 |
| 445 | 289661.685832 | 2843591.31452 |
| 446 | 289659.59858 | 2843599.51801 |
| 447 | 289659.114851 | 2843601.7297 |
| 448 | 289659.004519 | 2843602.52104 |
| 449 | 289658.276539 | 2843608.62412 |
| 450 | 289658.137057 | 2843610.7592 |
| 451 | 289658.073316 | 2843616.21035 |
| 452 | 289658.074482 | 2843616.76174 |
| 453 | 289658.107872 | 2843617.64247 |
| 454 | 289658.491995 | 2843624.04433 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 455 | 289658.555316 | 2843624.83679 |
| 456 | 289659.469957 | 2843633.98385 |
| 457 | 289659.566253 | 2843634.78316 |
| 458 | 289663.131407 | 2843660.09747 |
| 459 | 289664.978499 | 2843679.78172 |
| 460 | 289665.551761 | 2843692.94718 |
| 461 | 289665.221518 | 2843704.89303 |
| 462 | 289663.676487 | 2843722.11945 |
| 463 | 289660.13573 | 2843751.81205 |
| 464 | 289653.528497 | 2843806.10543 |
| 465 | 289649.782284 | 2843836.11563 |
| 466 | 289649.683014 | 2843837.11447 |
| 467 | 289649.045271 | 2843845.71543 |
| 468 | 289648.991468 | 2843847.38295 |
| 469 | 289649.08219 | 2843857.01287 |
| 470 | 289649.083874 | 2843857.1417 |
| 471 | 289649.105833 | 2843857.81413 |
| 472 | 289649.354119 | 2843862.82494 |
| 473 | 289649.534617 | 2843864.69114 |
| 474 | 289650.540733 | 2843871.66522 |
| 475 | 289650.69715 | 2843872.59453 |
| 476 | 289650.736113 | 2843872.79093 |
| 477 | 289652.050431 | 2843879.26104 |
| 478 | 289652.283558 | 2843880.27324 |
| 479 | 289654.101336 | 2843887.32323 |
| 480 | 289654.633597 | 2843889.05778 |
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| 482 | 289657.07385 | 2843895.87496 |
| 483 | 289657.248154 | 2843896.31557 |
| 484 | 289659.462994 | 2843901.72468 |
| 485 | 289660.003928 | 2843902.93072 |
| 486 | 289661.982806 | 2843906.97857 |
| 487 | 289662.361986 | 2843907.7153 |
| 488 | 289665.349285 | 2843913.23383 |
| 489 | 289665.778204 | 2843913.98691 |
| 490 | 289665.893081 | 2843914.17633 |
| 491 | 289668.641188 | 2843918.65326 |
| 492 | 289669.365679 | 2843919.75075 |
| 493 | 289672.001013 | 2843923.47128 |
| 494 | 289697.998978 | 2843933.96188 |
| 495 | 289700.914657 | 2843935.08778 |
| 496 | 289701.554914 | 2843935.36094 |
| 497 | 289702.174558 | 2843935.67799 |
| 498 | 289702.917777 | 2843936.13508 |
| 499 | 289703.618295 | 2843936.65524 |
| 500 | 289704.360603 | 2843937.32242 |
| 501 | 289718.959874 | 2843951.82536 |
| 502 | 289719.210651 | 2843950.51328 |
| 503 | 289719.315156 | 2843949.91816 |
| 504 | 289719.457378 | 2843948.8435 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 505 | 289719.883297 | 2843944.7814 |
| 506 | 289719.991956 | 2843942.58732 |
| 507 | 289719.97031 | 2843938.5656 |
| 508 | 289719.968073 | 2843938.35636 |
| 509 | 289719.85996 | 2843936.57302 |
| 510 | 289719.351957 | 2843931.76306 |
| 511 | 289719.101118 | 2843930.07805 |
| 512 | 289718.796923 | 2843928.74628 |
| 513 | 289717.529155 | 2843923.95575 |
| 514 | 289716.877595 | 2843921.93458 |
| 515 | 289716.798139 | 2843921.72975 |
| 516 | 289714.689297 | 2843916.89348 |
| 517 | 289713.935473 | 2843914.82688 |
| 518 | 289712.052264 | 2843911.29522 |
| 519 | 289711.562038 | 2843910.42821 |
| 520 | 289710.981336 | 2843909.5154 |
| 521 | 289707.904433 | 2843904.95518 |
| 522 | 289707.64577 | 2843904.58099 |
| 523 | 289702.391559 | 2843897.16347 |
| 524 | 289700.271697 | 2843893.70991 |
| 525 | 289697.742057 | 2843889.03657 |
| 526 | 289696.234739 | 2843885.95339 |
| 527 | 289694.443826 | 2843881.57926 |
| 528 | 289692.613661 | 2843876.45573 |
| 529 | 289691.152383 | 2843870.7888 |
| 530 | 289690.055031 | 2843865.38686 |
| 531 | 289689.264529 | 2843859.90771 |
| 532 | 289689.082639 | 2843856.23504 |
| 533 | 289689.003256 | 2843847.84139 |
| 534 | 289689.542333 | 2843840.57173 |
| 535 | 289693.232708 | 2843811.0089 |
| 536 | 289699.852787 | 2843756.61051 |
| 537 | 289703.435461 | 2843726.56676 |
| 538 | 289703.496208 | 2843725.985 |
| 539 | 289705.122592 | 2843707.85052 |
| 540 | 289705.194933 | 2843706.61661 |
| 541 | 289705.561991 | 2843693.34106 |
| 542 | 289705.567055 | 2843692.47087 |
| 543 | 289705.550696 | 2843691.91784 |
| 544 | 289704.924559 | 2843677.53999 |
| 545 | 289704.855982 | 2843676.54132 |
| 546 | 289702.918882 | 2843655.89811 |
| 547 | 289702.810911 | 2843654.97749 |
| 548 | 289699.237381 | 2843629.60282 |
| 549 | 289698.402318 | 2843621.25256 |
| 550 | 289698.084873 | 2843615.96182 |
| 551 | 289698.127698 | 2843612.29854 |
| 552 | 289698.546964 | 2843608.78367 |
| 553 | 289700.060555 | 2843603.35446 |
| 554 | 289701.675385 | 2843599.59957 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 555 | 289704.174639 | 2843595.96103 |
| 556 | 289707.099588 | 2843592.4851 |
| 557 | 289711.201702 | 2843588.94956 |
| 558 | 289714.367658 | 2843587.15871 |
| 559 | 289719.055655 | 2843585.26282 |
| 560 | 289722.889904 | 2843584.1539 |
| 561 | 289728.9585 | 2843583.33691 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 290966.64948 | 2843645.04131 |
| 2 | 290965.733701 | 2843642.58886 |
| 3 | 290965.680931 | 2843642.44898 |
| 4 | 290965.196921 | 2843641.29638 |
| 5 | 290963.834006 | 2843638.29683 |
| 6 | 290963.032139 | 2843636.72574 |
| 7 | 290961.33472 | 2843633.73094 |
| 8 | 290961.095468 | 2843633.32024 |
| 9 | 290960.277455 | 2843632.06312 |
| 10 | 290958.340166 | 2843629.31696 |
| 11 | 290957.209869 | 2843627.86196 |
| 12 | 290954.771972 | 2843625.0055 |
| 13 | 290954.675576 | 2843624.89331 |
| 14 | 290953.283199 | 2843623.44086 |
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| 16 | 290949.396855 | 2843619.8363 |
| 17 | 290946.896105 | 2843617.77519 |
| 18 | 290946.788625 | 2843617.68729 |
| 19 | 290944.731201 | 2843616.22091 |
| 20 | 290940.939855 | 2843613.86525 |
| 21 | 290940.110038 | 2843613.37697 |
| 22 | 290939.27185 | 2843612.93615 |
| 23 | 290935.565498 | 2843611.09766 |
| 24 | 290933.758138 | 2843610.30958 |
| 25 | 290929.472353 | 2843608.68721 |
| 26 | 290928.935111 | 2843608.49259 |
| 27 | 290926.551209 | 2843607.82911 |
| 28 | 290921.861566 | 2843606.83208 |
| 29 | 290920.863786 | 2843606.64611 |
| 30 | 290919.967681 | 2843606.52342 |
| 31 | 290915.524054 | 2843606.01671 |
| 32 | 290914.371188 | 2843605.91899 |
| 33 | 290911.109472 | 2843605.73715 |
| 34 | 290909.68077 | 2843605.70866 |
| 35 | 290909.458816 | 2843605.71346 |
| 36 | 290905.306654 | 2843605.825 |
| 37 | 290903.847359 | 2843605.91768 |
| 38 | 290898.288882 | 2843606.47535 |
| 39 | 290897.508787 | 2843606.56918 |
| 40 | 290886.930087 | 2843608.05193 |
| 41 | 290886.536532 | 2843608.11116 |
| 42 | 290867.686979 | 2843611.13695 |
| 43 | 290866.107901 | 2843611.27767 |
| 44 | 290866.50546 | 2843612.23905 |
| 45 | 290866.213177 | 2843614.43042 |
| 46 | 290865.825893 | 2843615.43071 |
| 47 | 290865.048971 | 2843617.43659 |
| 48 | 290863.883488 | 2843618.99985 |
| 49 | 290861.934883 | 2843621.12876 |
| 50 | 290861.100886 | 2843622.55026 |
| 51 | 290859.580111 | 2843624.28575 |
| 52 | 290858.153287 | 2843625.77242 |
| 53 | 290855.602836 | 2843626.50786 |
| 54 | 290852.759726 | 2843626.5325 |
| 55 | 290850.297458 | 2843627.01402 |
| 56 | 290849.012919 | 2843627.38379 |
| 57 | 290847.134165 | 2843627.81076 |
| 58 | 290845.845129 | 2843628.1816 |
| 59 | 290844.309011 | 2843628.45258 |
| 60 | 290842.979382 | 2843628.20788 |
| 61 | 290842.280247 | 2843628.52267 |
| 62 | 290841.194458 | 2843628.37846 |
| 63 | 290837.933834 | 2843627.94528 |
| 64 | 290836.109105 | 2843627.49872 |
| 65 | 290832.702754 | 2843626.7055 |
| 66 | 290830.737092 | 2843625.8994 |
| 67 | 290829.508655 | 2843625.39569 |
| 68 | 290827.297341 | 2843624.48884 |
| 69 | 290825.931697 | 2843623.62704 |
| 70 | 290824.67559 | 2843622.50859 |
| 71 | 290823.939 | 2843622.20649 |
| 72 | 290821.974791 | 2843621.40108 |
| 73 | 290821.483762 | 2843621.19975 |
| 74 | 290819.875017 | 2843620.23864 |
| 75 | 290818.622832 | 2843619.12272 |
| 76 | 290817.457756 | 2843617.1414 |
| 77 | 290816.722619 | 2843616.83988 |
| 78 | 290816.42982 | 2843615.51957 |
| 79 | 290816.689145 | 2843612.93389 |
| 80 | 290817.239292 | 2843611.66904 |
| 81 | 290817.897833 | 2843610.15513 |
| 82 | 290819.259199 | 2843608.34282 |
| 83 | 290820.046669 | 2843607.18873 |
| 84 | 290820.723817 | 2843606.28741 |
| 85 | 290821.399726 | 2843605.38771 |
| 86 | 290823.554009 | 2843603.04667 |
| 87 | 290824.921751 | 2843601.85572 |
| 88 | 290826.285666 | 2843600.66822 |
| 89 | 290827.086574 | 2843600.12531 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 91 | 290824.168282 | 2843596.45627 |
| 92 | 290811.476339 | 2843586.71287 |
| 93 | 290810.884156 | 2843586.27546 |
| 94 | 290806.237193 | 2843582.97234 |
| 95 | 290805.244812 | 2843582.31064 |
| 96 | 290800.718318 | 2843579.48368 |
| 97 | 290799.849005 | 2843578.97062 |
| 98 | 290799.514304 | 2843578.76855 |
| 99 | 290795.667856 | 2843576.74292 |
| 100 | 290794.306034 | 2843576.08366 |
| 101 | 290790.885906 | 2843574.5845 |
| 102 | 290789.639689 | 2843574.08736 |
| 103 | 290786.263831 | 2843572.87022 |
| 104 | 290786.023576 | 2843572.78532 |
| 105 | 290784.031831 | 2843572.20955 |
| 106 | 290779.876832 | 2843571.23841 |
| 107 | 290778.48679 | 2843570.96517 |
| 108 | 290778.161136 | 2843570.9158 |
| 109 | 290774.760227 | 2843570.42845 |
| 110 | 290772.600295 | 2843570.23782 |
| 111 | 290768.639365 | 2843570.10372 |
| 112 | 290767.647084 | 2843570.09487 |
| 113 | 290766.590726 | 2843570.13945 |
| 114 | 290762.256214 | 2843570.43758 |
| 115 | 290760.3839 | 2843570.65529 |
| 116 | 290756.996673 | 2843571.21202 |
| 117 | 290756.457155 | 2843571.30824 |
| 118 | 290754.83711 | 2843571.69108 |
| 119 | 290751.267292 | 2843572.69278 |
| 120 | 290749.528472 | 2843573.26764 |
| 121 | 290745.802373 | 2843574.69355 |
| 122 | 290743.698601 | 2843575.64091 |
| 123 | 290739.962257 | 2843577.59028 |
| 124 | 290738.941035 | 2843578.16179 |
| 125 | 290738.04376 | 2843578.73164 |
| 126 | 290734.210927 | 2843581.31216 |
| 127 | 290732.790404 | 2843582.36244 |
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| 129 | 290729.338182 | 2843585.17324 |
| 130 | 290727.918717 | 2843586.53065 |
| 131 | 290725.439039 | 2843589.14672 |
| 132 | 290724.41726 | 2843590.31189 |
| 133 | 290721.735989 | 2843593.62753 |
| 134 | 290720.641762 | 2843595.11654 |
| 135 | 290718.68941 | 2843598.04786 |
| 136 | 290718.186304 | 2843598.84319 |
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| 139 | 290715.195402 | 2843603.9417 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 141 | 290713.075256 | 2843608.24914 |
| 142 | 290710.604986 | 2843613.95371 |
| 143 | 290710.371435 | 2843614.51647 |
| 144 | 290707.378 | 2843622.05022 |
| 145 | 290707.176598 | 2843622.57889 |
| 146 | 290703.516999 | 2843632.6065 |
| 147 | 290700.953474 | 2843638.86623 |
| 148 | 290698.902066 | 2843643.09446 |
| 149 | 290695.797371 | 2843648.63057 |
| 150 | 290692.877192 | 2843653.10033 |
| 151 | 290689.558406 | 2843657.66936 |
| 152 | 290686.710317 | 2843661.18059 |
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| 157 | 290672.514994 | 2843674.6519 |
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| 160 | 290633.122655 | 2843699.19842 |
| 161 | 290627.362594 | 2843702.05956 |
| 162 | 290623.823212 | 2843703.39625 |
| 163 | 290620.86909 | 2843704.3205 |
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| 170 | 290598.482926 | 2843703.6759 |
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| 176 | 290583.119659 | 2843694.74277 |
| 177 | 290581.322653 | 2843693.06803 |
| 178 | 290579.457396 | 2843691.18819 |
| 179 | 290576.391101 | 2843687.6819 |
| 180 | 290570.060056 | 2843680.40725 |
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| 182 | 290557.995254 | 2843666.05931 |
| 183 | 290552.896815 | 2843660.16996 |
| 184 | 290552.442027 | 2843659.66242 |
| 185 | 290548.162559 | 2843655.04858 |
| 186 | 290547.19375 | 2843654.07351 |
| 187 | 290542.950916 | 2843650.08683 |
| 188 | 290542.122951 | 2843649.35099 |
| 189 | 290539.791053 | 2843647.39143 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 192 | 290533.409005 | 2843643.02239 |
| 193 | 290532.34184 | 2843642.36578 |
| 194 | 290529.194079 | 2843640.56212 |
| 195 | 290528.97652 | 2843640.43939 |
| 196 | 290526.856191 | 2843639.41784 |
| 197 | 290523.372722 | 2843637.98572 |
| 198 | 290522.310124 | 2843637.58375 |
| 199 | 290521.894751 | 2843637.44502 |
| 200 | 290517.583913 | 2843636.05767 |
| 201 | 290515.265438 | 2843635.46199 |
| 202 | 290511.50866 | 2843634.73318 |
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| 204 | 290508.841915 | 2843634.39963 |
| 205 | 290503.957708 | 2843634.12016 |
| 206 | 290502.49873 | 2843634.09 |
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| 208 | 290496.21769 | 2843634.40454 |
| 209 | 290494.841081 | 2843634.52426 |
| 210 | 290493.447907 | 2843634.7442 |
| 211 | 290489.0885 | 2843635.5969 |
| 212 | 290486.651385 | 2843636.23546 |
| 213 | 290482.195508 | 2843637.70836 |
| 214 | 290481.3357 | 2843638.01435 |
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| 216 | 290475.723562 | 2843640.56856 |
| 217 | 290473.880769 | 2843641.54493 |
| 218 | 290473.760116 | 2843641.61779 |
| 219 | 290470.312654 | 2843643.71465 |
| 220 | 290468.3729 | 2843645.05739 |
| 221 | 290465.204926 | 2843647.5388 |
| 222 | 290464.441153 | 2843648.16794 |
| 223 | 290463.600266 | 2843648.93962 |
| 224 | 290460.903383 | 2843651.56007 |
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| 227 | 290456.383191 | 2843656.56045 |
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| 229 | 290453.701781 | 2843660.29073 |
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| 234 | 290448.8653 | 2843668.76346 |
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| 236 | 290446.776228 | 2843673.15138 |
| 237 | 290446.190306 | 2843674.51547 |
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| 239 | 290441.242202 | 2843687.34346 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 243 | 290431.122057 | 2843711.2321 |
| 244 | 290429.869168 | 2843712.85439 |
| 245 | 290428.858458 | 2843714.08359 |
| 246 | 290428.20075 | 2843714.73917 |
| 247 | 290426.952261 | 2843715.81168 |
| 248 | 290426.197972 | 2843716.40072 |
| 249 | 290423.959924 | 2843717.83588 |
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| 254 | 290412.633561 | 2843720.17155 |
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| 256 | 290408.476405 | 2843719.21771 |
| 257 | 290406.081408 | 2843718.20191 |
| 258 | 290403.730062 | 2843716.82895 |
| 259 | 290402.039817 | 2843715.64894 |
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| 262 | 290396.842274 | 2843709.16038 |
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| 265 | 290385.684891 | 2843681.91383 |
| 266 | 290385.621557 | 2843681.74582 |
| 267 | 290385.220538 | 2843680.77343 |
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| 269 | 290381.228789 | 2843672.11831 |
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| 272 | 290374.702098 | 2843662.16359 |
| 273 | 290373.477274 | 2843660.59922 |
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| 276 | 290368.382951 | 2843655.03863 |
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| 280 | 290358.375784 | 2843646.62923 |
| 281 | 290356.969851 | 2843645.67135 |
| 282 | 290352.736251 | 2843643.0432 |
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| 284 | 290351.006786 | 2843642.08455 |
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| 286 | 290347.177596 | 2843640.21497 |
| 287 | 290343.755329 | 2843638.66912 |
| 288 | 290342.1475 | 2843638.02526 |
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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 304 | 290295.51981 | 2843605.91069 |
| 305 | 290295.118353 | 2843603.13623 |
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| 320 | 290282.113401 | 2843531.972 |
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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 474 | 290253.807393 | 2843591.15492 |
| 475 | 290255.335518 | 2843607.38265 |
| 476 | 290255.453664 | 2843608.37246 |
| 477 | 290255.980953 | 2843612.01703 |
| 478 | 290256.104456 | 2843612.76908 |
| 479 | 290256.727959 | 2843616.16019 |
| 480 | 290256.759597 | 2843616.32791 |
| 481 | 290256.968302 | 2843617.36591 |
| 482 | 290258.002519 | 2843621.44844 |
| 483 | 290258.357517 | 2843622.70158 |
| 484 | 290259.724695 | 2843626.9899 |
| 485 | 290260.096535 | 2843628.05203 |
| 486 | 290260.343384 | 2843628.66749 |
| 487 | 290261.597432 | 2843631.64971 |
| 488 | 290262.146536 | 2843632.84427 |
| 489 | 290263.44588 | 2843635.44219 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 490 | 290264.173231 | 2843636.76857 |
| 491 | 290264.472168 | 2843637.25216 |
| 492 | 290266.117211 | 2843639.83095 |
| 493 | 290266.868356 | 2843640.92635 |
| 494 | 290269.515162 | 2843644.52423 |
| 495 | 290270.509938 | 2843645.76934 |
| 496 | 290270.996996 | 2843646.3134 |
| 497 | 290273.15117 | 2843648.62128 |
| 498 | 290274.440768 | 2843649.88455 |
| 499 | 290277.078098 | 2843652.24465 |
| 500 | 290277.803553 | 2843652.8636 |
| 501 | 290277.897115 | 2843652.93895 |
| 502 | 290280.163261 | 2843654.7577 |
| 503 | 290280.962693 | 2843655.36691 |
| 504 | 290283.36762 | 2843657.10584 |
| 505 | 290285.314958 | 2843658.34933 |
| 506 | 290289.156282 | 2843660.50033 |
| 507 | 290290.242935 | 2843661.06394 |
| 508 | 290295.932291 | 2843663.79769 |
| 509 | 290297.248105 | 2843664.37262 |
| 510 | 290303.099978 | 2843666.68366 |
| 511 | 290303.793193 | 2843666.94276 |
| 512 | 290313.885831 | 2843670.50277 |
| 513 | 290328.076662 | 2843675.48473 |
| 514 | 290330.413541 | 2843676.5402 |
| 515 | 290332.477329 | 2843677.55415 |
| 516 | 290335.146409 | 2843679.21117 |
| 517 | 290337.599335 | 2843681.03983 |
| 518 | 290340.469373 | 2843683.71087 |
| 519 | 290342.690909 | 2843686.18658 |
| 520 | 290344.991295 | 2843689.44593 |
| 521 | 290346.223208 | 2843691.52123 |
| 522 | 290348.400896 | 2843696.43094 |
| 523 | 290354.155879 | 2843711.91225 |
| 524 | 290354.219211 | 2843712.08017 |
| 525 | 290354.42016 | 2843712.58554 |
| 526 | 290357.503215 | 2843720.04191 |
| 527 | 290358.232107 | 2843721.60924 |
| 528 | 290361.606152 | 2843728.49947 |
| 529 | 290362.399671 | 2843729.56299 |
| 530 | 290362.850482 | 2843730.28106 |
| 531 | 290365.685969 | 2843734.89608 |
| 532 | 290367.291666 | 2843736.78157 |
| 533 | 290370.734584 | 2843740.87363 |
| 534 | 290370.922904 | 2843741.09438 |
| 535 | 290372.109519 | 2843742.34992 |
| 536 | 290375.335705 | 2843745.48113 |
| 537 | 290376.653255 | 2843746.65178 |
| 538 | 290377.817913 | 2843747.52957 |
| 539 | 290381.495025 | 2843750.09617 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 540 | 290382.856953 | 2843750.96716 |
| 541 | 290387.009287 | 2843753.3921 |
| 542 | 290387.370097 | 2843753.59777 |
| 543 | 290389.286182 | 2843754.53373 |
| 544 | 290393.943267 | 2843756.50892 |
| 545 | 290395.210189 | 2843756.99624 |
| 546 | 290396.163237 | 2843757.29977 |
| 547 | 290400.707611 | 2843758.62249 |
| 548 | 290403.141861 | 2843759.16898 |
| 549 | 290407.356221 | 2843759.84119 |
| 550 | 290409.413209 | 2843760.06089 |
| 551 | 290413.279794 | 2843760.2725 |
| 552 | 290414.689505 | 2843760.29984 |
| 553 | 290415.573206 | 2843760.26633 |
| 554 | 290420.442638 | 2843759.97378 |
| 555 | 290421.740126 | 2843759.8533 |
| 556 | 290423.040126 | 2843759.64609 |
| 557 | 290428.0505 | 2843758.67374 |
| 558 | 290429.854026 | 2843758.23603 |
| 559 | 290434.07436 | 2843757.00202 |
| 560 | 290435.598056 | 2843756.48912 |
| 561 | 290436.895905 | 2843755.94032 |
| 562 | 290442.055985 | 2843753.54032 |
| 563 | 290443.894639 | 2843752.566 |
| 564 | 290444.418167 | 2843752.24142 |
| 565 | 290448.575773 | 2843749.57534 |
| 566 | 290450.090959 | 2843748.5013 |
| 567 | 290451.945057 | 2843747.05318 |
| 568 | 290452.666804 | 2843746.46187 |
| 569 | 290454.863124 | 2843744.57493 |
| 570 | 290455.916825 | 2843743.59778 |
| 571 | 290457.800615 | 2843741.72036 |
| 572 | 290459.131216 | 2843740.2561 |
| 573 | 290461.001677 | 2843737.98097 |
| 574 | 290461.344999 | 2843737.54891 |
| 575 | 290463.315028 | 2843734.99805 |
| 576 | 290464.315523 | 2843733.57956 |
| 577 | 290466.374155 | 2843730.37356 |
| 578 | 290467.021782 | 2843729.29161 |
| 579 | 290467.306925 | 2843728.76042 |
| 580 | 290469.897652 | 2843723.75537 |
| 581 | 290470.313519 | 2843722.90311 |
| 582 | 290473.132231 | 2843716.76106 |
| 583 | 290473.788463 | 2843715.14961 |
| 584 | 290478.829266 | 2843701.04486 |
| 585 | 290483.241252 | 2843689.62264 |
| 586 | 290484.660217 | 2843686.63075 |
| 587 | 290485.852593 | 2843684.28133 |
| 588 | 290486.747811 | 2843682.84558 |
| 589 | 290487.586373 | 2843681.65269 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
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| 591 | 290490.713857 | 2843678.37518 |
| 592 | 290492.111797 | 2843677.28028 |
| 593 | 290493.596736 | 2843676.37694 |
| 594 | 290495.85238 | 2843675.32867 |
| 595 | 290498.008228 | 2843674.61594 |
| 596 | 290499.714179 | 2843674.28223 |
| 597 | 290502.764366 | 2843674.123 |
| 598 | 290505.211614 | 2843674.2631 |
| 599 | 290506.46891 | 2843674.50692 |
| 600 | 290508.889781 | 2843675.28604 |
| 601 | 290510.437524 | 2843675.9225 |
| 602 | 290511.909529 | 2843676.76574 |
| 603 | 290514.942192 | 2843678.76555 |
| 604 | 290515.961224 | 2843679.62184 |
| 605 | 290519.29861 | 2843682.7577 |
| 606 | 290522.877664 | 2843686.61634 |
| 607 | 290527.655773 | 2843692.13574 |
| 608 | 290539.483871 | 2843706.20546 |
| 609 | 290546.154715 | 2843714.08143 |
| 610 | 290546.300334 | 2843714.25144 |
| 611 | 290546.752176 | 2843714.75543 |
| 612 | 290550.35538 | 2843718.6406 |
| 613 | 290550.822206 | 2843719.12722 |
| 614 | 290553.198994 | 2843721.52278 |
| 615 | 290553.761185 | 2843722.06758 |
| 616 | 290556.267864 | 2843724.40358 |
| 617 | 290557.134614 | 2843725.16571 |
| 618 | 290560.632974 | 2843728.06754 |
| 619 | 290560.789494 | 2843728.19601 |
| 620 | 290561.583455 | 2843728.80871 |
| 621 | 290565.254154 | 2843731.49744 |
| 622 | 290566.439767 | 2843732.30226 |
| 623 | 290569.441052 | 2843734.18618 |
| 624 | 290570.348937 | 2843734.72313 |
| 625 | 290570.649218 | 2843734.88691 |
| 626 | 290574.176013 | 2843736.77236 |
| 627 | 290575.412857 | 2843737.37859 |
| 628 | 290580.269261 | 2843739.55837 |
| 629 | 290581.593051 | 2843740.09663 |
| 630 | 290585.35495 | 2843741.47174 |
| 631 | 290585.678933 | 2843741.58701 |
| 632 | 290586.581177 | 2843741.87561 |
| 633 | 290591.351888 | 2843743.27804 |
| 634 | 290593.338328 | 2843743.7532 |
| 635 | 290598.153932 | 2843744.64827 |
| 636 | 290598.64701 | 2843744.73356 |
| 637 | 290600.059051 | 2843744.90837 |
| 638 | 290604.839875 | 2843745.32603 |
| 639 | 290605.932821 | 2843745.39408 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
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| 641 | 290612.401619 | 2843745.58288 |
| 642 | 290613.408537 | 2843745.54166 |
| 643 | 290617.56845 | 2843745.26586 |
| 644 | 290618.887076 | 2843745.13441 |
| 645 | 290624.428557 | 2843744.39621 |
| 646 | 290625.571153 | 2843744.21014 |
| 647 | 290625.908674 | 2843744.14212 |
| 648 | 290630.04942 | 2843743.27029 |
| 649 | 290631.900537 | 2843742.78692 |
| 650 | 290636.321599 | 2843741.4037 |
| 651 | 290637.416207 | 2843741.02626 |
| 652 | 290642.467798 | 2843739.11836 |
| 653 | 290644.263503 | 2843738.3337 |
| 654 | 290651.603189 | 2843734.68804 |
| 655 | 290652.943321 | 2843733.95742 |
| 656 | 290665.266721 | 2843726.61521 |
| 657 | 290665.432003 | 2843726.51534 |
| 658 | 290685.544656 | 2843714.23922 |
| 659 | 290686.497926 | 2843713.61955 |
| 660 | 290695.798614 | 2843707.19013 |
| 661 | 290696.842914 | 2843706.41695 |
| 662 | 290700.128463 | 2843703.81496 |
| 663 | 290700.681106 | 2843703.36097 |
| 664 | 290704.08413 | 2843700.46184 |
| 665 | 290704.210451 | 2843700.35331 |
| 666 | 290704.853354 | 2843699.77143 |
| 667 | 290707.859907 | 2843696.92959 |
| 668 | 290708.292524 | 2843696.50809 |
| 669 | 290712.437315 | 2843692.34606 |
| 670 | 290713.107857 | 2843691.63898 |
| 671 | 290716.754936 | 2843687.60121 |
| 672 | 290717.440351 | 2843686.80101 |
| 673 | 290720.963422 | 2843682.45767 |
| 674 | 290721.612373 | 2843681.6126 |
| 675 | 290725.535273 | 2843676.21207 |
| 676 | 290726.0972 | 2843675.39668 |
| 677 | 290729.659114 | 2843669.94464 |
| 678 | 290730.359858 | 2843668.78843 |
| 679 | 290734.101522 | 2843662.11665 |
| 680 | 290734.635326 | 2843661.09263 |
| 681 | 290737.221654 | 2843655.76183 |
| 682 | 290737.736029 | 2843654.61095 |
| 683 | 290740.685753 | 2843647.40786 |
| 684 | 290740.965621 | 2843646.68482 |
| 685 | 290744.660728 | 2843636.55999 |
| 686 | 290747.437418 | 2843629.5716 |
| 687 | 290749.567769 | 2843624.65192 |
| 688 | 290750.633179 | 2843622.52149 |
| 689 | 290752.24732 | 2843619.83189 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
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| 691 | 290755.01533 | 2843616.09663 |
| 692 | 290756.048857 | 2843615.00641 |
| 693 | 290757.285762 | 2843614.00437 |
| 694 | 290759.457875 | 2843612.54191 |
| 695 | 290761.179039 | 2843611.64404 |
| 696 | 290762.961579 | 2843610.96196 |
| 697 | 290764.578424 | 2843610.50821 |
| 698 | 290765.941382 | 2843610.28429 |
| 699 | 290768.311794 | 2843610.12121 |
| 700 | 290770.162435 | 2843610.18398 |
| 701 | 290771.623154 | 2843610.39312 |
| 702 | 290773.792681 | 2843610.9003 |
| 703 | 290775.44015 | 2843611.49426 |
| 704 | 290777.552813 | 2843612.4203 |
| 705 | 290780.115254 | 2843613.78291 |
| 706 | 290783.54644 | 2843615.92598 |
| 707 | 290787.407153 | 2843618.66996 |
| 708 | 290799.792164 | 2843628.17761 |
| 709 | 290805.881688 | 2843632.86311 |
| 710 | 290806.345025 | 2843633.20918 |
| 711 | 290809.906252 | 2843635.78888 |
| 712 | 290810.511454 | 2843636.21034 |
| 713 | 290815.044377 | 2843639.24569 |
| 714 | 290815.832419 | 2843639.74708 |
| 715 | 290819.171756 | 2843641.76374 |
| 716 | 290819.786136 | 2843642.12028 |
| 717 | 290819.973311 | 2843642.22316 |
| 718 | 290823.120683 | 2843643.93073 |
| 719 | 290824.240439 | 2843644.49375 |
| 720 | 290827.151664 | 2843645.84469 |
| 721 | 290828.272989 | 2843646.32408 |
| 722 | 290831.134905 | 2843647.44559 |
| 723 | 290831.889539 | 2843647.72398 |
| 724 | 290832.295559 | 2843647.85968 |
| 725 | 290836.682192 | 2843649.33845 |
| 726 | 290838.890419 | 2843649.87241 |
| 727 | 290843.145358 | 2843650.77024 |
| 728 | 290844.112877 | 2843650.9498 |
| 729 | 290844.807429 | 2843651.04846 |
| 730 | 290849.098424 | 2843651.58197 |
| 731 | 290850.638176 | 2843651.71314 |
| 732 | 290854.837691 | 2843651.90827 |
| 733 | 290856.094317 | 2843651.92701 |
| 734 | 290861.02901 | 2843651.84276 |
| 735 | 290862.462828 | 2843651.76663 |
| 736 | 290871.938528 | 2843650.92221 |
| 737 | 290873.333423 | 2843650.74832 |
| 738 | 290892.682597 | 2843647.6423 |
| 739 | 290902.674396 | 2843646.24176 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
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| 742 | 290911.567139 | 2843645.83031 |
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| 744 | 290916.737371 | 2843646.64246 |
| 745 | 290918.672154 | 2843647.37481 |
| 746 | 290920.638674 | 2843648.35032 |
| 747 | 290922.483282 | 2843649.49656 |
| 748 | 290923.436159 | 2843650.28197 |
| 749 | 290925.045002 | 2843651.79957 |
| 750 | 290926.181756 | 2843653.13148 |
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| 754 | 290928.926075 | 2843658.37855 |
| 755 | 290929.319339 | 2843659.70913 |
| 756 | 290929.562134 | 2843660.76226 |
| 757 | 290929.851496 | 2843662.71265 |
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| 759 | 290929.905333 | 2843664.71748 |
| 760 | 290929.510913 | 2843667.74986 |
| 761 | 290929.245137 | 2843669.02916 |
| 762 | 290928.478455 | 2843671.39832 |
| 763 | 290927.255707 | 2843674.609 |
| 764 | 290925.875284 | 2843677.44596 |
| 765 | 290919.825803 | 2843688.00729 |
| 766 | 290909.922618 | 2843704.38665 |
| 767 | 290902.554651 | 2843716.62069 |
| 768 | 290902.335879 | 2843716.99307 |
| 769 | 290898.126652 | 2843724.33638 |
| 770 | 290898.058212 | 2843724.45665 |
| 771 | 290891.955611 | 2843735.27654 |
| 772 | 290891.703874 | 2843735.73993 |
| 773 | 290888.060772 | 2843742.66432 |
| 774 | 290887.81022 | 2843743.15699 |
| 775 | 290881.890361 | 2843755.20556 |
| 776 | 290876.647192 | 2843765.93427 |
| 777 | 290876.445771 | 2843766.35899 |
| 778 | 290865.554475 | 2843790.04056 |
| 779 | 290859.299896 | 2843801.39334 |
| 780 | 290854.530068 | 2843807.99062 |
| 781 | 290849.452039 | 2843813.69277 |
| 782 | 290843.102516 | 2843819.81161 |
| 783 | 290838.448875 | 2843823.42604 |
| 784 | 290829.500554 | 2843829.21609 |
| 785 | 290822.034483 | 2843833.8061 |
| 786 | 290821.42682 | 2843834.19498 |
| 787 | 290810.466386 | 2843841.49041 |
| 788 | 290809.117309 | 2843842.4721 |
| 789 | 290803.05585 | 2843847.28122 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
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| 791 | 290801.698176 | 2843848.46185 |
| 792 | 290794.617997 | 2843855.20046 |
| 793 | 290793.801668 | 2843856.02375 |
| 794 | 290789.421685 | 2843860.70529 |
| 795 | 290788.504227 | 2843861.75709 |
| 796 | 290788.391762 | 2843861.89679 |
| 797 | 290781.098972 | 2843871.03829 |
| 798 | 290779.925328 | 2843872.67155 |
| 799 | 290776.71356 | 2843877.65166 |
| 800 | 290776.416594 | 2843878.12643 |
| 801 | 290772.14084 | 2843885.18263 |
| 802 | 290771.769186 | 2843885.82221 |
| 803 | 290771.462223 | 2843886.3958 |
| 804 | 290767.991803 | 2843893.13892 |
| 805 | 290767.547565 | 2843894.05929 |
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| 807 | 290764.086152 | 2843901.91025 |
| 808 | 290758.375434 | 2843918.23175 |
| 809 | 290758.195288 | 2843918.77403 |
| 810 | 290749.305661 | 2843946.87747 |
| 811 | 290738.245173 | 2843981.61056 |
| 812 | 290733.393399 | 2843995.29216 |
| 813 | 290731.019601 | 2844000.50261 |
| 814 | 290728.03599 | 2844006.17653 |
| 815 | 290723.031851 | 2844013.57033 |
| 816 | 290719.154072 | 2844018.07016 |
| 817 | 290715.004869 | 2844022.46048 |
| 818 | 290712.63619 | 2844024.79258 |
| 819 | 290708.00299 | 2844028.79689 |
| 820 | 290698.356562 | 2844036.7937 |
| 821 | 290698.024674 | 2844037.07499 |
| 822 | 290697.199986 | 2844037.83095 |
| 823 | 290690.833953 | 2844044.00207 |
| 824 | 290689.20988 | 2844045.77819 |
| 825 | 290685.356581 | 2844050.55267 |
| 826 | 290684.695079 | 2844051.15015 |
| 827 | 290682.872606 | 2844053.86106 |
| 828 | 290682.112383 | 2844054.95404 |
| 829 | 290681.426601 | 2844056.09538 |
| 830 | 290681.329001 | 2844056.27281 |
| 831 | 290678.088273 | 2844062.23782 |
| 832 | 290677.492109 | 2844063.42806 |
| 833 | 290676.976252 | 2844064.65511 |
| 834 | 290674.858054 | 2844070.20555 |
| 835 | 290674.644239 | 2844070.79371 |
| 836 | 290674.221035 | 2844072.17605 |
| 837 | 290672.884515 | 2844077.18008 |
| 838 | 290672.453268 | 2844079.21351 |
| 839 | 290671.66448 | 2844082.97408 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
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| 841 | 290694.335318 | 2844079.26574 |
| 842 | 290694.511344 | 2844079.2432 |
| 843 | 290695.487406 | 2844078.93638 |
| 844 | 290718.484173 | 2844073.20579 |
| 845 | 290719.557471 | 2844071.87517 |
| 846 | 290724.487659 | 2844067.09572 |
| 847 | 290733.692475 | 2844059.46517 |
| 848 | 290734.006369 | 2844059.19941 |
| 849 | 290739.295418 | 2844054.62826 |
| 850 | 290740.239628 | 2844053.75651 |
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| 852 | 290743.832821 | 2844050.20093 |
| 853 | 290748.54425 | 2844045.21547 |
| 854 | 290749.158583 | 2844044.53498 |
| 855 | 290754.096718 | 2844038.8051 |
| 856 | 290754.468735 | 2844038.36044 |
| 857 | 290755.510116 | 2844036.95797 |
| 858 | 290761.78912 | 2844027.68038 |
| 859 | 290762.702255 | 2844026.19553 |
| 860 | 290762.927809 | 2844025.7787 |
| 861 | 290766.692199 | 2844018.61994 |
| 862 | 290767.190706 | 2844017.60295 |
| 863 | 290770.158619 | 2844011.08839 |
| 864 | 290770.808251 | 2844009.48104 |
| 865 | 290776.058554 | 2843994.67571 |
| 866 | 290776.108232 | 2843994.53392 |
| 867 | 290776.265797 | 2843994.05975 |
| 868 | 290787.436824 | 2843958.97975 |
| 869 | 290796.246706 | 2843931.12834 |
| 870 | 290801.557378 | 2843915.95045 |
| 871 | 290803.797739 | 2843910.98967 |
| 872 | 290806.71477 | 2843905.32142 |
| 873 | 290810.486305 | 2843899.09754 |
| 874 | 290812.999973 | 2843895.20007 |
| 875 | 290819.173811 | 2843887.46127 |
| 876 | 290822.618355 | 2843883.77931 |
| 877 | 290828.626272 | 2843878.06138 |
| 878 | 290833.328255 | 2843874.33058 |
| 879 | 290843.291856 | 2843867.69866 |
| 880 | 290850.650782 | 2843863.17443 |
| 881 | 290851.041286 | 2843862.9281 |
| 882 | 290860.90572 | 2843856.54521 |
| 883 | 290862.309195 | 2843855.54892 |
| 884 | 290868.484903 | 2843850.75227 |
| 885 | 290869.312628 | 2843850.07301 |
| 886 | 290870.095095 | 2843849.35798 |
| 887 | 290877.762418 | 2843841.96907 |
| 888 | 290878.820066 | 2843840.86891 |
| 889 | 290885.082502 | 2843833.83701 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 890 | 290885.668636 | 2843833.14801 |
| 891 | 290886.354463 | 2843832.25364 |
| 892 | 290892.437637 | 2843823.83994 |
| 893 | 290893.727107 | 2843821.80963 |
| 894 | 290900.944359 | 2843808.70935 |
| 895 | 290901.597425 | 2843807.41518 |
| 896 | 290912.693557 | 2843783.28794 |
| 897 | 290917.81613 | 2843772.8062 |
| 898 | 290923.59359 | 2843761.0476 |
| 899 | 290926.972399 | 2843754.62557 |
| 900 | 290932.865355 | 2843744.17753 |
| 901 | 290936.935663 | 2843737.0765 |
| 902 | 290944.175094 | 2843725.05578 |
| 903 | 290954.181171 | 2843708.5064 |
| 904 | 290954.420971 | 2843708.09691 |
| 905 | 290960.924152 | 2843696.74545 |
| 906 | 290961.045724 | 2843696.53037 |
| 907 | 290961.553855 | 2843695.55499 |
| 908 | 290963.618461 | 2843691.31186 |
| 909 | 290964.324451 | 2843689.67991 |
| 910 | 290966.045928 | 2843685.16066 |
| 911 | 290966.255173 | 2843684.58483 |
| 912 | 290966.384517 | 2843684.19842 |
| 913 | 290967.513735 | 2843680.70181 |
| 914 | 290967.636995 | 2843680.3132 |
| 915 | 290967.885938 | 2843679.47206 |
| 916 | 290968.053861 | 2843678.82952 |
| 917 | 290968.187427 | 2843678.2242 |
| 918 | 290968.371301 | 2843677.3221 |
| 919 | 290968.833714 | 2843675.14818 |
| 920 | 290969.000365 | 2843674.24177 |
| 921 | 290969.084898 | 2843673.65904 |
| 922 | 290969.7006 | 2843668.92423 |
| 923 | 290969.856451 | 2843667.01236 |
| 924 | 290969.948598 | 2843664.25591 |
| 925 | 290969.957293 | 2843663.27287 |
| 926 | 290969.91547 | 2843662.25843 |
| 927 | 290969.714854 | 2843659.24779 |
| 928 | 290969.542631 | 2843657.64245 |
| 929 | 290969.017963 | 2843654.10566 |
| 930 | 290968.873385 | 2843653.25707 |
| 931 | 290968.722652 | 2843652.54491 |
| 932 | 290968.165263 | 2843650.12797 |
| 933 | 290967.857306 | 2843648.95629 |
| 934 | 290967.093563 | 2843646.37109 |

POLÍGONO: Ejido San José del Barranco_18

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 290848.648496 | 2844120.64424 |
| 2 | 290869.382996 | 2844111.9366 |
| 3 | 290870.10119 | 2844111.61822 |
| 4 | 290885.965334 | 2844104.21016 |
| 5 | 290887.304576 | 2844103.52223 |
| 6 | 290895.722883 | 2844098.78945 |
| 7 | 290896.193674 | 2844098.51614 |
| 8 | 290896.556471 | 2844098.29386 |
| 9 | 290905.729568 | 2844092.53449 |
| 10 | 290906.528594 | 2844092.00576 |
| 11 | 290914.415891 | 2844086.50994 |
| 12 | 290915.525965 | 2844085.67793 |
| 13 | 290924.429174 | 2844078.5089 |
| 14 | 290924.715209 | 2844078.27409 |
| 15 | 290934.59296 | 2844070.0143 |
| 16 | 290940.897209 | 2844065.17519 |
| 17 | 290944.319456 | 2844062.69677 |
| 18 | 290948.315628 | 2844060.40421 |
| 19 | 290949.487157 | 2844059.86174 |
| 20 | 290952.069509 | 2844058.93875 |
| 21 | 290955.714136 | 2844058.17698 |
| 22 | 290959.071715 | 2844057.93507 |
| 23 | 290962.775674 | 2844058.31882 |
| 24 | 290965.975963 | 2844059.13674 |
| 25 | 290968.715304 | 2844060.28293 |
| 26 | 290971.814636 | 2844062.22079 |
| 27 | 290973.053823 | 2844063.16577 |
| 28 | 290989.261609 | 2844025.94789 |
| 29 | 290988.542355 | 2844025.49821 |
| 30 | 290987.665329 | 2844024.98048 |
| 31 | 290985.659706 | 2844024.00648 |
| 32 | 290980.068167 | 2844021.66674 |
| 33 | 290978.890918 | 2844021.21713 |
| 34 | 290977.299606 | 2844020.73936 |
| 35 | 290971.254796 | 2844019.19456 |
| 36 | 290969.464358 | 2844018.82328 |
| 37 | 290968.364055 | 2844018.6783 |
| 38 | 290961.448726 | 2844017.96152 |
| 39 | 290959.071283 | 2844017.85741 |
| 40 | 290957.949485 | 2844017.9067 |
| 41 | 290951.499276 | 2844018.3714 |
| 42 | 290949.152734 | 2844018.68077 |
| 43 | 290948.843836 | 2844018.74275 |
| 44 | 290942.53855 | 2844020.06071 |
| 45 | 290941.205788 | 2844020.38748 |
| 46 | 290939.89874 | 2844020.80463 |
| 47 | 290935.169833 | 2844022.49496 |
| 48 | 290934.765433 | 2844022.64435 |
| 49 | 290933.496459 | 2844023.17989 |
| 50 | 290930.711676 | 2844024.46953 |
| 51 | 290929.164271 | 2844025.26976 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 52 | 290923.4932 | 2844028.52302 |
| 53 | 290923.173191 | 2844028.71054 |
| 54 | 290921.714388 | 2844029.67272 |
| 55 | 290917.208488 | 2844032.9359 |
| 56 | 290916.761037 | 2844033.26943 |
| 57 | 290909.901811 | 2844038.53477 |
| 58 | 290909.250122 | 2844039.05698 |
| 59 | 290899.197607 | 2844047.46295 |
| 60 | 290890.97662 | 2844054.08279 |
| 61 | 290884.05151 | 2844058.908 |
| 62 | 290875.69358 | 2844064.15545 |
| 63 | 290868.356096 | 2844068.28061 |
| 64 | 290853.530895 | 2844075.20351 |
| 65 | 290833.235315 | 2844083.72705 |
| 66 | 290787.637055 | 2844102.66832 |
| 67 | 290768.480611 | 2844110.5608 |
| 68 | 290756.682723 | 2844115.30496 |
| 69 | 290751.031305 | 2844117.29923 |
| 70 | 290747.60418 | 2844118.37941 |
| 71 | 290743.979939 | 2844119.17848 |
| 72 | 290741.351234 | 2844119.46325 |
| 73 | 290738.424485 | 2844119.44499 |
| 74 | 290735.721427 | 2844119.26953 |
| 75 | 290733.645211 | 2844118.97156 |
| 76 | 290731.671061 | 2844118.56175 |
| 77 | 290729.419118 | 2844117.76488 |
| 78 | 290726.895585 | 2844116.71649 |
| 79 | 290725.25029 | 2844115.78776 |
| 80 | 290721.430933 | 2844113.21366 |
| 81 | 290718.606219 | 2844110.6405 |
| 82 | 290717.050756 | 2844108.75664 |
| 83 | 290714.911375 | 2844105.52269 |
| 84 | 290713.572996 | 2844102.89745 |
| 85 | 290713.053591 | 2844101.69314 |
| 86 | 290712.050824 | 2844098.46237 |
| 87 | 290711.688318 | 2844096.62764 |
| 88 | 290711.603971 | 2844095.53464 |
| 89 | 290701.222789 | 2844098.12164 |
| 90 | 290700.939951 | 2844098.2442 |
| 91 | 290700.111922 | 2844098.51968 |
| 92 | 290699.263326 | 2844098.72203 |
| 93 | 290699.052922 | 2844098.76023 |
| 94 | 290678.454761 | 2844102.27379 |
| 95 | 290678.080681 | 2844102.33032 |
| 96 | 290672.193783 | 2844103.10666 |
| 97 | 290672.203189 | 2844103.17627 |
| 98 | 290673.009564 | 2844107.25732 |
| 99 | 290673.52918 | 2844109.30931 |
| 100 | 290675.161251 | 2844114.56781 |
| 101 | 290675.578958 | 2844115.77562 |
| 102 | 290675.897699 | 2844116.55997 |
| 103 | 290677.092658 | 2844119.33078 |
| 104 | 290677.639501 | 2844120.4943 |
| 105 | 290679.783955 | 2844124.70061 |
| 106 | 290680.44171 | 2844125.88928 |
| 107 | 290680.921812 | 2844126.65165 |
| 108 | 290684.269595 | 2844131.71244 |
| 109 | 290685.528172 | 2844133.41223 |
| 110 | 290688.661656 | 2844137.20728 |
| 111 | 290688.967857 | 2844137.56928 |
| 112 | 290690.615594 | 2844139.25854 |
| 113 | 290695.569997 | 2844143.77176 |
| 114 | 290696.426381 | 2844144.50855 |
| 115 | 290697.861075 | 2844145.57164 |
| 116 | 290703.548081 | 2844149.4046 |
| 117 | 290704.894431 | 2844150.23649 |
| 118 | 290708.277576 | 2844152.14629 |
| 119 | 290708.383884 | 2844152.2058 |
| 120 | 290710.436136 | 2844153.19915 |
| 121 | 290714.566977 | 2844154.91537 |
| 122 | 290715.568677 | 2844155.30037 |
| 123 | 290719.604586 | 2844156.72848 |
| 124 | 290719.733509 | 2844156.77359 |
| 125 | 290720.96196 | 2844157.1551 |
| 126 | 290722.212354 | 2844157.45675 |
| 127 | 290726.123955 | 2844158.26876 |
| 128 | 290727.027028 | 2844158.43458 |
| 129 | 290727.346695 | 2844158.48305 |
| 130 | 290730.807923 | 2844158.97998 |
| 131 | 290732.354861 | 2844159.14091 |
| 132 | 290736.418788 | 2844159.40461 |
| 133 | 290737.589502 | 2844159.44621 |
| 134 | 290742.244727 | 2844159.47515 |
| 135 | 290742.685127 | 2844159.47318 |
| 136 | 290744.523962 | 2844159.35923 |
| 137 | 290749.373854 | 2844158.83379 |
| 138 | 290751.003319 | 2844158.58892 |
| 139 | 290751.525294 | 2844158.48112 |
| 140 | 290757.07978 | 2844157.25663 |
| 141 | 290758.786719 | 2844156.80056 |
| 142 | 290763.380704 | 2844155.35266 |
| 143 | 290764.024502 | 2844155.1377 |
| 144 | 290770.402115 | 2844152.88692 |
| 145 | 290770.882554 | 2844152.71032 |
| 146 | 290771.208112 | 2844152.5829 |
| 147 | 290783.488481 | 2844147.64477 |
| 148 | 290783.645479 | 2844147.5809 |
| 149 | 290802.916792 | 2844139.64128 |

POLÍGONO: Ejido San José del Barranco_19

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 291037.792038 | 2844233.97371 |
| 2 | 291035.404933 | 2844230.23129 |
| 3 | 291033.018871 | 2844226.03403 |
| 4 | 291031.339799 | 2844222.51444 |
| 5 | 291031.27931 | 2844222.38873 |
| 6 | 291029.708757 | 2844219.15494 |
| 7 | 291027.831814 | 2844213.70863 |
| 8 | 291026.066627 | 2844207.59694 |
| 9 | 291024.829639 | 2844201.59472 |
| 10 | 291024.097681 | 2844196.27675 |
| 11 | 291023.65861 | 2844188.04977 |
| 12 | 291023.228417 | 2844159.12765 |
| 13 | 291022.838491 | 2844131.63077 |
| 14 | 291022.612865 | 2844117.40351 |
| 15 | 291022.506912 | 2844103.89439 |
| 16 | 291022.504954 | 2844103.73587 |
| 17 | 291022.497373 | 2844103.41549 |
| 18 | 291021.888363 | 2844084.2632 |
| 19 | 291021.82319 | 2844083.16492 |
| 20 | 291021.125276 | 2844075.14503 |
| 21 | 291020.859796 | 2844073.20223 |
| 22 | 291019.946728 | 2844068.32032 |
| 23 | 291019.817487 | 2844067.69392 |
| 24 | 291018.975152 | 2844063.91937 |
| 25 | 291018.27142 | 2844061.49657 |
| 26 | 291016.839398 | 2844057.52134 |
| 27 | 291016.706815 | 2844057.16397 |
| 28 | 291015.849292 | 2844055.23181 |
| 29 | 291012.857982 | 2844049.35113 |
| 30 | 291012.192155 | 2844048.14682 |
| 31 | 291011.415456 | 2844046.94854 |
| 32 | 291007.677585 | 2844041.60911 |
| 33 | 291006.409557 | 2844039.98329 |
| 34 | 291005.840007 | 2844039.35337 |
| 35 | 291001.928095 | 2844035.20738 |
| 36 | 291000.990573 | 2844034.27723 |
| 37 | 290999.993655 | 2844033.41099 |
| 38 | 290999.506555 | 2844033.02918 |
| 39 | 290995.334818 | 2844029.84622 |
| 40 | 290993.809527 | 2844028.79129 |
| 41 | 290989.261606 | 2844025.94789 |
| 42 | 290973.053823 | 2844063.16577 |
| 43 | 290973.951035 | 2844063.84996 |
| 44 | 290975.741616 | 2844065.74767 |
| 45 | 290977.837232 | 2844068.74108 |
| 46 | 290979.625336 | 2844072.25635 |
| 47 | 290980.205191 | 2844073.86592 |
| 48 | 290980.696608 | 2844076.06795 |
| 49 | 290981.355497 | 2844079.59137 |
| 50 | 290981.920356 | 2844086.08334 |
| 51 | 290982.504474 | 2844104.44944 |
| 52 | 290982.609197 | 2844117.79784 |
| 53 | 290982.611081 | 2844117.95736 |
| 54 | 290982.83724 | 2844132.22138 |
| 55 | 290983.227101 | 2844159.7089 |
| 56 | 290983.663354 | 2844189.03833 |
| 57 | 290983.68942 | 2844189.7979 |
| 58 | 290984.193508 | 2844199.24314 |
| 59 | 290984.351897 | 2844200.90461 |
| 60 | 290985.288337 | 2844207.70842 |
| 61 | 290985.46255 | 2844208.76462 |
| 62 | 290985.513234 | 2844209.01854 |
| 63 | 290987.041895 | 2844216.43606 |
| 64 | 290987.415714 | 2844217.94873 |
| 65 | 290989.538108 | 2844225.29739 |
| 66 | 290989.844182 | 2844226.26451 |
| 67 | 290992.278722 | 2844233.32831 |
| 68 | 290992.503558 | 2844233.94762 |
| 69 | 290993.196864 | 2844235.54922 |
| 70 | 290995.263885 | 2844239.80542 |
| 71 | 290995.687449 | 2844241.11255 |
| 72 | 290998.562915 | 2844239.27175 |
| 73 | 291000.806491 | 2844237.33104 |
| 74 | 291003.963509 | 2844235.55589 |
| 75 | 291005.500456 | 2844234.89545 |
| 76 | 291008.117542 | 2844233.49187 |
| 77 | 291009.820917 | 2844231.92283 |
| 78 | 291012.188183 | 2844231.8822 |
| 79 | 291015.095471 | 2844231.46991 |
| 80 | 291016.922622 | 2844231.80086 |
| 81 | 291018.376266 | 2844231.59476 |
| 82 | 291020.74353 | 2844231.55404 |
| 83 | 291022.570592 | 2844231.88509 |
| 84 | 291024.854642 | 2844232.29871 |
| 85 | 291026.681704 | 2844232.62976 |
| 86 | 291027.512019 | 2844233.24948 |
| 87 | 291029.712766 | 2844234.11756 |
| 88 | 291030.833374 | 2844235.72877 |
| 89 | 291032.494003 | 2844236.96822 |
| 90 | 291034.735037 | 2844240.19064 |
| 91 | 291035.398923 | 2844241.71906 |
| 92 | 291036.97625 | 2844243.41306 |
| 93 | 291038.470361 | 2844245.56131 |
| 94 | 291038.843864 | 2844246.09824 |
| 95 | 291041.084985 | 2844249.32067 |
| 96 | 291043.119117 | 2844251.09725 |
| 97 | 291044.322936 | 2844252.25411 |
| 98 | 291046.357069 | 2844254.0308 |
| 99 | 291048.557811 | 2844254.89888 |
| 100 | 291050.301742 | 2844255.68408 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 101 | 291052.959202 | 2844256.63485 |
| 102 | 291055.699966 | 2844257.13127 |
| 103 | 291055.848553 | 2844257.15812 |
| 104 | 291042.235114 | 2844240.29939 |
| 105 | 291039.635617 | 2844236.73212 |

POLÍGONO: Ejido San José del Barranco_2

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 286332.734234 | 2843055.45629 |
| 2 | 286336.901867 | 2843019.35768 |
| 3 | 286331.413786 | 2843023.62642 |
| 4 | 286331.230819 | 2843023.76531 |
| 5 | 286315.381188 | 2843035.51903 |
| 6 | 286315.30435 | 2843035.57548 |
| 7 | 286292.874813 | 2843051.87988 |
| 8 | 286292.87045 | 2843051.91732 |
| 9 | 286292.739421 | 2843054.02333 |
| 10 | 286292.672469 | 2843061.13519 |
| 11 | 286292.674196 | 2843061.64572 |
| 12 | 286292.753724 | 2843063.13414 |
| 13 | 286293.276433 | 2843068.88501 |
| 14 | 286293.556761 | 2843070.86481 |
| 15 | 286293.677338 | 2843071.44348 |
| 16 | 286295.260726 | 2843078.51767 |
| 17 | 286295.628455 | 2843079.91992 |
| 18 | 286296.096653 | 2843081.29206 |
| 19 | 286296.745005 | 2843082.79902 |
| 20 | 286299.763395 | 2843089.09237 |
| 21 | 286300.63955 | 2843090.72123 |
| 22 | 286301.285096 | 2843091.72924 |
| 23 | 286305.523754 | 2843097.93077 |
| 24 | 286306.923852 | 2843099.74621 |
| 25 | 286308.138915 | 2843101.02867 |
| 26 | 286313.51509 | 2843106.22315 |
| 27 | 286314.805019 | 2843107.36618 |
| 28 | 286315.844625 | 2843108.15547 |
| 29 | 286322.07761 | 2843112.57464 |
| 30 | 286323.926024 | 2843113.73916 |
| 31 | 286324.212534 | 2843113.8954 |
| 32 | 286339.028705 | 2843121.82038 |
| 33 | 286339.602709 | 2843122.11558 |
| 34 | 286354.386554 | 2843129.41993 |
| 35 | 286356.743267 | 2843130.68202 |
| 36 | 286359.949975 | 2843133.10117 |
| 37 | 286361.429905 | 2843134.13331 |
| 38 | 286363.275419 | 2843135.7907 |
| 39 | 286364.516361 | 2843137.18915 |
| 40 | 286365.716473 | 2843138.95092 |
| 41 | 286367.339774 | 2843141.82513 |
| 42 | 286368.063134 | 2843143.37573 |
| 43 | 286370.657682 | 2843151.37113 |
| 44 | 286373.177715 | 2843161.47821 |
| 45 | 286389.636214 | 2843232.35642 |
| 46 | 286392.951478 | 2843246.26842 |
| 47 | 286393.150301 | 2843247.03529 |
| 48 | 286397.244971 | 2843261.62826 |
| 49 | 286397.820205 | 2843263.36761 |
| 50 | 286397.867131 | 2843263.48913 |
| 51 | 286400.599068 | 2843270.49759 |
| 52 | 286401.254473 | 2843271.99517 |
| 53 | 286404.223212 | 2843278.08723 |
| 54 | 286405.045076 | 2843279.60415 |
| 55 | 286405.142201 | 2843279.76443 |
| 56 | 286409.217214 | 2843286.42477 |
| 57 | 286410.438912 | 2843288.19914 |
| 58 | 286415.884259 | 2843295.26145 |
| 59 | 286416.611212 | 2843296.15035 |
| 60 | 286417.358657 | 2843296.96598 |
| 61 | 286423.396702 | 2843303.19814 |
| 62 | 286424.632796 | 2843304.36985 |
| 63 | 286430.6184 | 2843309.57817 |
| 64 | 286431.139706 | 2843310.01634 |
| 65 | 286432.140654 | 2843310.77836 |
| 66 | 286438.685269 | 2843315.4419 |
| 67 | 286440.56253 | 2843316.6282 |
| 68 | 286448.075519 | 2843320.81134 |
| 69 | 286449.699962 | 2843321.60636 |
| 70 | 286449.843583 | 2843321.31225 |
| 71 | 286450.147079 | 2843320.55025 |
| 72 | 286450.493458 | 2843320.05116 |
| 73 | 286451.299886 | 2843318.88949 |
| 74 | 286451.988938 | 2843317.89665 |
| 75 | 286452.447305 | 2843317.2362 |
| 76 | 286452.904883 | 2843316.57716 |
| 77 | 286453.589524 | 2843315.59077 |
| 78 | 286454.385976 | 2843314.44322 |
| 79 | 286454.99749 | 2843313.88375 |
| 80 | 286455.651905 | 2843313.5827 |
| 81 | 286456.801124 | 2843312.8875 |
| 82 | 286458.485448 | 2843312.05772 |
| 83 | 286459.313773 | 2843311.17904 |
| 84 | 286460.654374 | 2843310.83953 |
| 85 | 286462.102823 | 2843310.33943 |
| 86 | 286463.170396 | 2843310.0692 |
| 87 | 286464.080074 | 2843309.70584 |
| 88 | 286465.033949 | 2843309.59739 |
| 89 | 286466.159613 | 2843308.91413 |
| 90 | 286467.173208 | 2843308.39283 |
| 91 | 286467.282329 | 2843308.23282 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 92 | 286468.339752 | 2843307.96594 |
| 93 | 286469.87551 | 2843307.31385 |
| 94 | 286471.298733 | 2843306.82292 |
| 95 | 286472.146573 | 2843306.2139 |
| 96 | 286473.515771 | 2843305.4746 |
| 97 | 286474.311228 | 2843304.61827 |
| 98 | 286474.785385 | 2843304.23721 |
| 99 | 286474.998284 | 2843303.92185 |
| 100 | 286475.837557 | 2843303.31915 |
| 101 | 286476.780965 | 2843302.5608 |
| 102 | 286477.51075 | 2843302.11772 |
| 103 | 286477.932468 | 2843301.49154 |
| 104 | 286478.918326 | 2843300.98604 |
| 105 | 286479.748853 | 2843300.38976 |
| 106 | 286480.682007 | 2843299.63944 |
| 107 | 286481.716535 | 2843298.73591 |
| 108 | 286482.491891 | 2843297.89855 |
| 109 | 286483.466396 | 2843297.4002 |
| 110 | 286484.389653 | 2843296.65772 |
| 111 | 286484.801073 | 2843296.04238 |
| 112 | 286485.720504 | 2843295.30345 |
| 113 | 286486.33436 | 2843294.38467 |
| 114 | 286486.996058 | 2843293.71158 |
| 115 | 286487.656338 | 2843293.0401 |
| 116 | 286487.961053 | 2843292.58344 |
| 117 | 286488.619114 | 2843291.9144 |
| 118 | 286489.060567 | 2843291.43699 |
| 119 | 286486.428606 | 2843291.18748 |
| 120 | 286481.214887 | 2843290.38569 |
| 121 | 286476.604501 | 2843289.16668 |
| 122 | 286471.689791 | 2843287.5036 |
| 123 | 286466.609098 | 2843285.34082 |
| 124 | 286460.996398 | 2843282.21573 |
| 125 | 286456.147902 | 2843278.76082 |
| 126 | 286451.536851 | 2843274.74868 |
| 127 | 286446.877282 | 2843269.93905 |
| 128 | 286442.779906 | 2843264.62497 |
| 129 | 286439.767709 | 2843259.7018 |
| 130 | 286437.576699 | 2843255.2057 |
| 131 | 286435.498654 | 2843249.87463 |
| 132 | 286431.776109 | 2843236.6078 |
| 133 | 286428.580505 | 2843223.19873 |
| 134 | 286412.11096 | 2843152.27223 |
| 135 | 286412.035188 | 2843151.95763 |
| 136 | 286409.307821 | 2843141.01885 |
| 137 | 286408.925298 | 2843139.6839 |
| 138 | 286405.737106 | 2843129.85896 |
| 139 | 286405.394785 | 2843128.88951 |
| 140 | 286404.838154 | 2843127.5764 |
| 141 | 286403.266853 | 2843124.20773 |
| 142 | 286402.556355 | 2843122.82753 |
| 143 | 286400.138236 | 2843118.54588 |
| 144 | 286399.880798 | 2843118.10345 |
| 145 | 286399.252926 | 2843117.12136 |
| 146 | 286396.860107 | 2843113.60867 |
| 147 | 286395.442266 | 2843111.76719 |
| 148 | 286395.290666 | 2843111.59423 |
| 149 | 286392.447432 | 2843108.38976 |
| 150 | 286390.849603 | 2843106.78239 |
| 151 | 286387.24535 | 2843103.54594 |
| 152 | 286386.489984 | 2843102.90076 |
| 153 | 286385.323973 | 2843102.02242 |
| 154 | 286382.780006 | 2843100.24822 |
| 155 | 286379.098354 | 2843097.70046 |
| 156 | 286378.261193 | 2843097.15157 |
| 157 | 286374.657709 | 2843094.91588 |
| 158 | 286373.833233 | 2843094.43127 |
| 159 | 286372.972716 | 2843093.97963 |
| 160 | 286357.612572 | 2843086.39066 |
| 161 | 286344.19052 | 2843079.21136 |
| 162 | 286340.222566 | 2843076.39795 |
| 163 | 286337.402483 | 2843073.67318 |
| 164 | 286335.175096 | 2843070.41435 |
| 165 | 286333.80322 | 2843067.55411 |
| 166 | 286333.00132 | 2843063.97144 |
| 167 | 286332.686557 | 2843060.51017 |

POLÍGONO: Ejido San José del Barranco_20

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 291087.08218 | 2844295.83603 |
| 2 | 291071.970665 | 2844277.12377 |
| 3 | 291070.724132 | 2844278.15932 |
| 4 | 291069.020667 | 2844279.72836 |
| 5 | 291067.400506 | 2844280.84304 |
| 6 | 291065.32354 | 2844281.87515 |
| 7 | 291063.70329 | 2844282.98984 |
| 8 | 291061.459894 | 2844284.93054 |
| 9 | 291059.756431 | 2844286.49958 |
| 10 | 291057.719837 | 2844289.88582 |
| 11 | 291057.303587 | 2844292.15757 |
| 12 | 291055.890323 | 2844294.718 |
| 13 | 291055.224156 | 2844298.3525 |
| 14 | 291054.641386 | 2844301.53285 |
| 15 | 291052.231294 | 2844304.38206 |
| 16 | 291052.064685 | 2844305.29066 |
| 17 | 291049.861671 | 2844309.58571 |
| 18 | 291048.603785 | 2844311.86485 |
| 19 | 291056.270328 | 2844321.35919 |
| 20 | 291056.714427 | 2844321.89003 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 21 | 291056.915584 | 2844322.11876 |
| 22 | 291064.295322 | 2844330.3795 |
| 23 | 291065.50617 | 2844331.62195 |
| 24 | 291069.440955 | 2844335.32383 |
| 25 | 291071.730677 | 2844330.3951 |
| 26 | 291072.061901 | 2844329.7454 |
| 27 | 291072.43614 | 2844329.12671 |
| 28 | 291072.854076 | 2844328.53654 |
| 29 | 291089.386216 | 2844306.90062 |
| 30 | 291092.220135 | 2844301.5894 |

POLÍGONO: Ejido San José del Barranco_21

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 291164.469131 | 2844351.75882 |
| 2 | 291165.400509 | 2844351.2357 |
| 3 | 291168.5178 | 2844351.31731 |
| 4 | 291169.610623 | 2844351.61979 |
| 5 | 291173.253629 | 2844352.6276 |
| 6 | 291173.325268 | 2844352.6474 |
| 7 | 291170.101937 | 2844348.65604 |
| 8 | 291169.615432 | 2844348.0007 |
| 9 | 291156.118722 | 2844328.17585 |
| 10 | 291155.573981 | 2844328.3684 |
| 11 | 291152.98891 | 2844328.98436 |
| 12 | 291150.487649 | 2844329.24661 |
| 13 | 291146.332299 | 2844329.46189 |
| 14 | 291142.675531 | 2844329.08802 |
| 15 | 291139.240158 | 2844328.35967 |
| 16 | 291135.596333 | 2844327.29477 |
| 17 | 291130.636257 | 2844325.50022 |
| 18 | 291122.050573 | 2844321.99821 |
| 19 | 291115.753415 | 2844319.0464 |
| 20 | 291109.344916 | 2844315.5897 |
| 21 | 291107.927803 | 2844314.64189 |
| 22 | 291106.651114 | 2844317.03463 |
| 23 | 291106.566434 | 2844317.18993 |
| 24 | 291106.192193 | 2844317.80862 |
| 25 | 291105.774165 | 2844318.3988 |
| 26 | 291089.411335 | 2844339.81318 |
| 27 | 291085.663821 | 2844347.87984 |
| 28 | 291087.893693 | 2844349.37112 |
| 29 | 291089.286621 | 2844350.22255 |
| 30 | 291089.517769 | 2844350.34925 |
| 31 | 291097.257493 | 2844354.52391 |
| 32 | 291098.263337 | 2844355.03045 |
| 33 | 291105.531754 | 2844358.43771 |
| 34 | 291106.467365 | 2844358.84759 |
| 35 | 291115.899865 | 2844362.69491 |
| 36 | 291116.649463 | 2844362.98325 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 37 | 291122.577059 | 2844365.12779 |
| 38 | 291122.837909 | 2844365.22005 |
| 39 | 291123.771211 | 2844365.51785 |
| 40 | 291128.741864 | 2844366.97042 |
| 41 | 291130.20337 | 2844367.33843 |
| 42 | 291135.425902 | 2844368.446 |
| 43 | 291136.412837 | 2844368.62946 |
| 44 | 291137.541596 | 2844368.77739 |
| 45 | 291142.681547 | 2844369.30278 |
| 46 | 291143.125752 | 2844367.71553 |
| 47 | 291143.734242 | 2844365.54161 |
| 48 | 291144.86845 | 2844364.29387 |
| 49 | 291146.772501 | 2844361.69762 |
| 50 | 291148.37244 | 2844360.18822 |
| 51 | 291149.870922 | 2844359.04127 |
| 52 | 291152.199502 | 2844357.73356 |
| 53 | 291153.697982 | 2844356.58652 |
| 54 | 291155.560739 | 2844355.54036 |
| 55 | 291157.423586 | 2844354.49421 |
| 56 | 291159.184971 | 2844353.81031 |
| 57 | 291161.513462 | 2844352.5026 |

POLÍGONO: Ejido San José del Barranco_22

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 291419.499342 | 2843826.68576 |
| 2 | 291417.930591 | 2843824.65833 |
| 3 | 291417.405728 | 2843824.80163 |
| 4 | 291416.178819 | 2843825.22394 |
| 5 | 291407.00617 | 2843828.71844 |
| 6 | 291405.097531 | 2843829.56307 |
| 7 | 291398.685164 | 2843832.81044 |
| 8 | 291397.678 | 2843833.35736 |
| 9 | 291394.427259 | 2843835.24488 |
| 10 | 291394.198954 | 2843835.37942 |
| 11 | 291393.413188 | 2843835.87502 |
| 12 | 291388.387262 | 2843839.20959 |
| 13 | 291387.794258 | 2843839.61855 |
| 14 | 291378.391522 | 2843846.35691 |
| 15 | 291377.310474 | 2843847.18891 |
| 16 | 291303.358472 | 2843908.22656 |
| 17 | 291302.994037 | 2843908.53476 |
| 18 | 291302.2554 | 2843909.20751 |
| 19 | 291294.050403 | 2843917.06614 |
| 20 | 291292.749663 | 2843918.43547 |
| 21 | 291283.814082 | 2843928.77878 |
| 22 | 291283.427058 | 2843929.2406 |
| 23 | 291282.161256 | 2843930.98209 |
| 24 | 291276.355557 | 2843939.94651 |
| 25 | 291275.666811 | 2843941.09234 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 26 | 291275.04005 | 2843942.31562 |
| 27 | 291266.252422 | 2843961.02443 |
| 28 | 291265.472437 | 2843962.93537 |
| 29 | 291208.86485 | 2844125.07595 |
| 30 | 291181.934936 | 2844201.98418 |
| 31 | 291181.715657 | 2844202.65085 |
| 32 | 291179.633251 | 2844209.38364 |
| 33 | 291179.216072 | 2844210.95631 |
| 34 | 291177.721035 | 2844217.68584 |
| 35 | 291177.493805 | 2844218.87921 |
| 36 | 291176.151436 | 2844227.36117 |
| 37 | 291175.936934 | 2844229.36794 |
| 38 | 291175.15159 | 2844243.37503 |
| 39 | 291175.12228 | 2844244.78084 |
| 40 | 291175.709061 | 2844285.80193 |
| 41 | 291175.418876 | 2844301.24195 |
| 42 | 291174.802105 | 2844306.20249 |
| 43 | 291173.911184 | 2844310.10073 |
| 44 | 291171.796177 | 2844314.88357 |
| 45 | 291171.548703 | 2844315.29636 |
| 46 | 291185.920132 | 2844336.40616 |
| 47 | 291189.198157 | 2844340.46522 |
| 48 | 291189.696218 | 2844341.13772 |
| 49 | 291195.391437 | 2844349.54077 |
| 50 | 291197.015199 | 2844347.97281 |
| 51 | 291198.644192 | 2844346.19817 |
| 52 | 291198.818717 | 2844345.96036 |
| 53 | 291202.086652 | 2844341.84197 |
| 54 | 291202.849651 | 2844340.80927 |
| 55 | 291203.544829 | 2844339.7297 |
| 56 | 291206.745801 | 2844334.38981 |
| 57 | 291207.067834 | 2844333.83254 |
| 58 | 291207.883423 | 2844332.1951 |
| 59 | 291211.276687 | 2844324.52142 |
| 60 | 291211.884712 | 2844322.97604 |
| 61 | 291212.482835 | 2844320.88819 |
| 62 | 291214.027429 | 2844314.12929 |
| 63 | 291214.27854 | 2844312.83558 |
| 64 | 291214.377296 | 2844312.14102 |
| 65 | 291215.248259 | 2844305.13601 |
| 66 | 291215.397587 | 2844303.04397 |
| 67 | 291215.713823 | 2844286.22301 |
| 68 | 291215.715309 | 2844285.56097 |
| 69 | 291215.133796 | 2844244.91223 |
| 70 | 291215.823258 | 2844232.61616 |
| 71 | 291216.908382 | 2844225.75926 |
| 72 | 291218.09275 | 2844220.42763 |
| 73 | 291219.826114 | 2844214.82357 |
| 74 | 291246.628682 | 2844138.27989 |
| 75 | 291302.901767 | 2843977.09747 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 76 | 291310.672718 | 2843960.55308 |
| 77 | 291314.989887 | 2843953.68687 |
| 78 | 291322.405066 | 2843945.30343 |
| 79 | 291329.393864 | 2843938.60981 |
| 80 | 291402.249727 | 2843878.47699 |
| 81 | 291410.80586 | 2843872.34522 |
| 82 | 291415.03301 | 2843869.54064 |
| 83 | 291417.270462 | 2843868.24149 |
| 84 | 291422.236059 | 2843865.72675 |
| 85 | 291429.206692 | 2843863.07104 |
| 86 | 291438.35356 | 2843860.86873 |
| 87 | 291438.161453 | 2843860.30548 |
| 88 | 291438.357887 | 2843857.67526 |
| 89 | 291438.915577 | 2843855.68203 |
| 90 | 291439.334023 | 2843854.18699 |
| 91 | 291440.170829 | 2843851.1971 |
| 92 | 291440.726698 | 2843849.20377 |
| 93 | 291441.787515 | 2843847.34905 |
| 94 | 291443.347371 | 2843845.63295 |
| 95 | 291444.767896 | 2843844.41522 |
| 96 | 291445.465188 | 2843841.92351 |
| 97 | 291446.162482 | 2843839.4319 |
| 98 | 291445.356752 | 2843836.52446 |
| 99 | 291444.411506 | 2843834.11521 |
| 100 | 291442.045736 | 2843832.92378 |
| 101 | 291436.896015 | 2843832.03586 |
| 102 | 291432.887705 | 2843830.92689 |
| 103 | 291428.879575 | 2843829.81801 |
| 104 | 291426.374289 | 2843829.12487 |
| 105 | 291423.869183 | 2843828.43172 |
| 106 | 291421.865027 | 2843827.87728 |

POLÍGONO: Ejido San José del Barranco_23

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 291692.312586 | 2843980.03711 |
| 2 | 291690.872689 | 2843972.79075 |
| 3 | 291690.780048 | 2843972.39418 |
| 4 | 291688.680448 | 2843972.03225 |
| 5 | 291684.894287 | 2843972.05848 |
| 6 | 291682.389138 | 2843971.36548 |
| 7 | 291675.679448 | 2843972.19366 |
| 8 | 291672.895348 | 2843972.49723 |
| 9 | 291671.75395 | 2843972.71837 |
| 10 | 291669.971819 | 2843973.29908 |
| 11 | 291667.187811 | 2843973.60274 |
| 12 | 291664.682658 | 2843972.90956 |
| 13 | 291662.957484 | 2843971.35843 |
| 14 | 291659.08867 | 2843969.75121 |
| 15 | 291657.084548 | 2843969.19674 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 16 | 291652.658017 | 2843969.58274 |
| 17 | 291648.390911 | 2843970.4092 |
| 18 | 291650.175609 | 2843975.33284 |
| 19 | 291651.764238 | 2843981.24117 |
| 20 | 291652.909315 | 2843987.00291 |
| 21 | 291653.200533 | 2843989.47458 |
| 22 | 291653.726657 | 2843995.56265 |
| 23 | 291653.545901 | 2844001.48395 |
| 24 | 291652.714984 | 2844025.1578 |
| 25 | 291651.35668 | 2844053.75806 |
| 26 | 291651.334162 | 2844054.74929 |
| 27 | 291651.36095 | 2844067.41044 |
| 28 | 291651.363334 | 2844067.68266 |
| 29 | 291651.419008 | 2844068.89221 |
| 30 | 291651.840183 | 2844074.40383 |
| 31 | 291652.034411 | 2844076.04729 |
| 32 | 291652.58758 | 2844079.49665 |
| 33 | 291652.69621 | 2844080.11191 |
| 34 | 291652.825865 | 2844080.73212 |
| 35 | 291653.789003 | 2844085.00058 |
| 36 | 291654.257036 | 2844086.71608 |
| 37 | 291655.561818 | 2844090.77727 |
| 38 | 291655.919291 | 2844091.79491 |
| 39 | 291656.525333 | 2844093.21485 |
| 40 | 291657.721591 | 2844095.74294 |
| 41 | 291657.890955 | 2844096.09207 |
| 42 | 291658.720488 | 2844097.76062 |
| 43 | 291662.106006 | 2844093.69156 |
| 44 | 291665.454108 | 2844090.84328 |
| 45 | 291672.47329 | 2844085.24508 |
| 46 | 291678.6218 | 2844079.03105 |
| 47 | 291682.688006 | 2844074.99555 |
| 48 | 291687.570904 | 2844069.45118 |
| 49 | 291688.908312 | 2844067.39777 |
| 50 | 291690.344502 | 2844065.02302 |
| 51 | 291691.356526 | 2844062.68922 |
| 52 | 291691.340556 | 2844055.15968 |
| 53 | 291692.68116 | 2844026.93282 |
| 54 | 291692.691357 | 2844026.68552 |
| 55 | 291693.52985 | 2844002.79411 |
| 56 | 291693.749282 | 2843995.61574 |
| 57 | 291693.75614 | 2843994.69063 |
| 58 | 291693.684252 | 2843993.28223 |
| 59 | 291693.030387 | 2843985.71797 |
| 60 | 291692.967219 | 2843985.0998 |
| 61 | 291692.547439 | 2843981.53693 |

POLÍGONO: Ejido San José del Barranco_24

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 291832.309 | 2844189.89194 |
| 2 | 291833.897853 | 2844189.32047 |
| 3 | 291834.544059 | 2844189.5167 |
| 4 | 291837.945948 | 2844188.79308 |
| 5 | 291840.180918 | 2844188.41794 |
| 6 | 291841.895262 | 2844188.58723 |
| 7 | 291844.45347 | 2844188.31017 |
| 8 | 291846.68853 | 2844187.93493 |
| 9 | 291848.178418 | 2844187.68471 |
| 10 | 291849.767182 | 2844187.11325 |
| 11 | 291851.355944 | 2844186.54168 |
| 12 | 291853.564023 | 2844185.10404 |
| 13 | 291855.574628 | 2844184.3093 |
| 14 | 291857.03772 | 2844182.99687 |
| 15 | 291858.68674 | 2844182.30676 |
| 16 | 291857.985454 | 2844179.11544 |
| 17 | 291857.572856 | 2844176.66222 |
| 18 | 291857.479533 | 2844175.14692 |
| 19 | 291857.486204 | 2844170.99028 |
| 20 | 291857.929638 | 2844166.50847 |
| 21 | 291859.288007 | 2844157.30426 |
| 22 | 291861.200624 | 2844146.31 |
| 23 | 291861.24486 | 2844146.04522 |
| 24 | 291861.292156 | 2844145.73385 |
| 25 | 291862.242323 | 2844139.13856 |
| 26 | 291862.437974 | 2844136.87918 |
| 27 | 291862.732503 | 2844126.94635 |
| 28 | 291862.738752 | 2844126.03929 |
| 29 | 291862.670724 | 2844124.67428 |
| 30 | 291862.256665 | 2844119.75968 |
| 31 | 291861.966396 | 2844117.65632 |
| 32 | 291861.722316 | 2844116.55647 |
| 33 | 291860.093156 | 2844110.08431 |
| 34 | 291859.382223 | 2844107.831 |
| 35 | 291859.220583 | 2844107.42136 |
| 36 | 291857.816814 | 2844103.97489 |
| 37 | 291856.793087 | 2844101.83442 |
| 38 | 291854.224698 | 2844097.19344 |
| 39 | 291853.887016 | 2844096.60698 |
| 40 | 291853.09433 | 2844095.3858 |
| 41 | 291850.302156 | 2844091.40855 |
| 42 | 291849.050312 | 2844089.80552 |
| 43 | 291848.401207 | 2844089.09161 |
| 44 | 291844.451802 | 2844084.95376 |
| 45 | 291842.597091 | 2844083.24111 |
| 46 | 291842.015433 | 2844082.78595 |
| 47 | 291838.105898 | 2844079.84155 |
| 48 | 291836.97897 | 2844079.05204 |
| 49 | 291835.799652 | 2844078.34168 |
| 50 | 291829.580353 | 2844074.88067 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 51 | 291828.186035 | 2844074.17469 |
| 52 | 291826.740819 | 2844073.57952 |
| 53 | 291821.555989 | 2844071.67812 |
| 54 | 291821.214227 | 2844071.55633 |
| 55 | 291819.843358 | 2844071.13609 |
| 56 | 291818.446056 | 2844070.81493 |
| 57 | 291813.256458 | 2844069.81718 |
| 58 | 291812.64296 | 2844069.70903 |
| 59 | 291811.232428 | 2844069.53427 |
| 60 | 291805.646377 | 2844069.04273 |
| 61 | 291803.579124 | 2844068.96838 |
| 62 | 291802.801351 | 2844068.99564 |
| 63 | 291798.967179 | 2844069.20527 |
| 64 | 291796.791263 | 2844069.44414 |
| 65 | 291782.676621 | 2844071.7815 |
| 66 | 291782.161978 | 2844071.8737 |
| 67 | 291780.878667 | 2844072.16472 |
| 68 | 291766.67306 | 2844075.88376 |
| 69 | 291757.189184 | 2844078.35985 |
| 70 | 291757.842032 | 2844079.90342 |
| 71 | 291758.990957 | 2844083.06339 |
| 72 | 291759.59218 | 2844085.70569 |
| 73 | 291760.516644 | 2844088.44614 |
| 74 | 291761.512995 | 2844089.80294 |
| 75 | 291762.437367 | 2844092.5433 |
| 76 | 291763.137462 | 2844094.86425 |
| 77 | 291763.738774 | 2844097.50654 |
| 78 | 291764.340085 | 2844100.14883 |
| 79 | 291765.067073 | 2844103.53198 |
| 80 | 291766.889103 | 2844107.95059 |
| 81 | 291767.364736 | 2844109.85192 |
| 82 | 291769.931665 | 2844114.14531 |
| 83 | 291770.294473 | 2844116.2846 |
| 84 | 291776.791994 | 2844114.58821 |
| 85 | 291790.120403 | 2844111.09892 |
| 86 | 291802.245793 | 2844109.09119 |
| 87 | 291803.560802 | 2844109.01921 |
| 88 | 291806.707381 | 2844109.29605 |
| 89 | 291809.302175 | 2844109.79502 |
| 90 | 291811.496012 | 2844110.59965 |
| 91 | 291815.140781 | 2844112.62789 |
| 92 | 291816.641255 | 2844113.75783 |
| 93 | 291818.423458 | 2844115.62528 |
| 94 | 291819.739057 | 2844117.49907 |
| 95 | 291821.21501 | 2844120.16599 |
| 96 | 291821.640799 | 2844121.21127 |
| 97 | 291822.529163 | 2844124.74097 |
| 98 | 291822.710952 | 2844126.89865 |
| 99 | 291822.483765 | 2844134.55857 |
| 100 | 291821.737554 | 2844139.73844 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 101 | 291819.830257 | 2844150.70153 |
| 102 | 291819.786111 | 2844150.96622 |
| 103 | 291819.748672 | 2844151.20957 |
| 104 | 291818.283028 | 2844161.14126 |
| 105 | 291818.165868 | 2844162.09173 |
| 106 | 291817.579622 | 2844168.0168 |
| 107 | 291817.482397 | 2844169.95454 |
| 108 | 291817.473218 | 2844175.71508 |
| 109 | 291817.475675 | 2844176.06115 |
| 110 | 291817.511013 | 2844176.97713 |
| 111 | 291817.707928 | 2844180.17229 |
| 112 | 291817.947021 | 2844182.25911 |
| 113 | 291818.616592 | 2844186.2414 |
| 114 | 291818.700558 | 2844186.70676 |
| 115 | 291818.805821 | 2844187.21744 |
| 116 | 291819.627306 | 2844190.95578 |
| 117 | 291821.753383 | 2844190.90215 |
| 118 | 291823.889661 | 2844190.84835 |
| 119 | 291826.124629 | 2844190.47312 |
| 120 | 291829.427735 | 2844190.07094 |
| 121 | 291830.172815 | 2844189.94583 |

POLÍGONO: Ejido San José del Barranco_25

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 291886.270827 | 2844225.04059 |
| 2 | 291875.024246 | 2844209.00513 |
| 3 | 291874.378546 | 2844209.34683 |
| 4 | 291872.915547 | 2844210.65935 |
| 5 | 291870.904946 | 2844211.45409 |
| 6 | 291868.472504 | 2844212.47211 |
| 7 | 291866.461814 | 2844213.26696 |
| 8 | 291864.029283 | 2844214.28498 |
| 9 | 291862.440612 | 2844214.85645 |
| 10 | 291860.430013 | 2844215.65129 |
| 11 | 291857.800005 | 2844217.31201 |
| 12 | 291856.534394 | 2844217.98174 |
| 13 | 291855.367567 | 2844218.33013 |
| 14 | 291853.482638 | 2844219.86573 |
| 15 | 291851.274565 | 2844221.30337 |
| 16 | 291849.811388 | 2844222.6158 |
| 17 | 291848.770233 | 2844223.70505 |
| 18 | 291846.463378 | 2844225.46403 |
| 19 | 291843.959137 | 2844227.86571 |
| 20 | 291842.39736 | 2844229.49959 |
| 21 | 291841.106139 | 2844230.31492 |
| 22 | 291853.513484 | 2844248.00544 |
| 23 | 291855.132614 | 2844250.31603 |
| 24 | 291857.314804 | 2844248.78861 |
| 25 | 291858.454739 | 2844247.37792 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 26 | 291858.975362 | 2844246.83329 |
| 27 | 291860.115299 | 2844245.4227 |
| 28 | 291862.422152 | 2844243.66372 |
| 29 | 291864.729008 | 2844241.90483 |
| 30 | 291866.515147 | 2844240.69038 |
| 31 | 291868.822004 | 2844238.9315 |
| 32 | 291869.764466 | 2844238.16359 |
| 33 | 291872.39438 | 2844236.50268 |
| 34 | 291874.180614 | 2844235.28862 |
| 35 | 291875.769372 | 2844234.71706 |
| 36 | 291877.133674 | 2844233.72588 |
| 37 | 291878.821215 | 2844232.83297 |
| 38 | 291880.086826 | 2844232.16324 |
| 39 | 291881.549822 | 2844230.85071 |
| 40 | 291882.492289 | 2844230.08301 |
| 41 | 291884.404194 | 2844229.60962 |
| 42 | 291886.935326 | 2844228.27016 |
| 43 | 291887.779098 | 2844227.8237 |
| 44 | 291888.132115 | 2844227.69668 |

POLÍGONO: Ejido San José del Barranco_26

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 292004.91132 | 2844310.10225 |
| 2 | 292004.341377 | 2844308.95449 |
| 3 | 292001.07689 | 2844302.87681 |
| 4 | 292000.619109 | 2844302.07001 |
| 5 | 291999.78323 | 2844300.78741 |
| 6 | 291998.851714 | 2844299.57248 |
| 7 | 291993.657037 | 2844293.30935 |
| 8 | 291993.379958 | 2844292.98234 |
| 9 | 291992.186953 | 2844291.7204 |
| 10 | 291990.889014 | 2844290.56643 |
| 11 | 291985.83917 | 2844286.45558 |
| 12 | 291984.605102 | 2844285.52843 |
| 13 | 291983.310434 | 2844284.70367 |
| 14 | 291978.138625 | 2844281.68098 |
| 15 | 291977.773665 | 2844281.47275 |
| 16 | 291975.891686 | 2844280.55089 |
| 17 | 291972.412639 | 2844279.06722 |
| 18 | 291972.338597 | 2844279.15887 |
| 19 | 291971.297437 | 2844280.24811 |
| 20 | 291970.480639 | 2844281.75696 |
| 21 | 291969.538082 | 2844282.52466 |
| 22 | 291968.200657 | 2844284.57803 |
| 23 | 291967.18638 | 2844286.72968 |
| 24 | 291966.046436 | 2844288.14026 |
| 25 | 291965.229637 | 2844289.64902 |
| 26 | 291964.188389 | 2844290.73826 |
| 27 | 291963.990999 | 2844291.38095 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 28 | 291962.007197 | 2844293.23808 |
| 29 | 291961.38788 | 2844294.10415 |
| 30 | 291959.503043 | 2844295.63983 |
| 31 | 291958.461706 | 2844296.72908 |
| 32 | 291956.998708 | 2844298.04149 |
| 33 | 291955.535623 | 2844299.35401 |
| 34 | 291954.072538 | 2844300.66652 |
| 35 | 291952.385091 | 2844301.55942 |
| 36 | 291951.119485 | 2844302.22915 |
| 37 | 291949.656399 | 2844303.54157 |
| 38 | 291948.615152 | 2844304.63081 |
| 39 | 291946.829014 | 2844305.84515 |
| 40 | 291945.563406 | 2844306.51478 |
| 41 | 291943.678485 | 2844308.05057 |
| 42 | 291941.344752 | 2844308.74724 |
| 43 | 291940.079145 | 2844309.41686 |
| 44 | 291936.57859 | 2844310.46181 |
| 45 | 291934.864264 | 2844310.29251 |
| 46 | 291931.785548 | 2844311.11418 |
| 47 | 291929.748079 | 2844310.8468 |
| 48 | 291927.387461 | 2844310.48106 |
| 49 | 291925.99619 | 2844310.40993 |
| 50 | 291925.199257 | 2844310.64777 |
| 51 | 291938.641569 | 2844312.37679 |
| 52 | 291949.963033 | 2844313.98545 |
| 53 | 291952.413583 | 2844314.50116 |
| 54 | 291955.883811 | 2844315.5098 |
| 55 | 291959.039894 | 2844316.85553 |
| 56 | 291961.788453 | 2844318.46207 |
| 57 | 291964.114181 | 2844320.35529 |
| 58 | 291966.781282 | 2844323.57096 |
| 59 | 291968.487471 | 2844326.74741 |
| 60 | 291969.796683 | 2844330.18371 |
| 61 | 291971.225325 | 2844335.75814 |
| 62 | 291973.095774 | 2844346.02161 |
| 63 | 291974.963416 | 2844357.22219 |
| 64 | 291976.448927 | 2844366.31567 |
| 65 | 291976.500223 | 2844366.61552 |
| 66 | 291978.736452 | 2844379.10683 |
| 67 | 291978.784283 | 2844379.36429 |
| 68 | 291978.926338 | 2844380.03932 |
| 69 | 291980.092295 | 2844385.14003 |
| 70 | 291980.546432 | 2844386.79595 |
| 71 | 291981.773687 | 2844390.61951 |
| 72 | 291981.924604 | 2844391.07117 |
| 73 | 291983.451267 | 2844395.46524 |
| 74 | 291983.659403 | 2844396.03619 |
| 75 | 291984.075069 | 2844397.04176 |
| 76 | 291985.913058 | 2844401.16676 |
| 77 | 291986.743099 | 2844402.81957 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 78 | 291988.538906 | 2844406.01753 |
| 79 | 291991.041022 | 2844405.71287 |
| 80 | 291996.55222 | 2844403.87311 |
| 81 | 291999.406649 | 2844402.63183 |
| 82 | 292004.047119 | 2844400.17632 |
| 83 | 292005.833339 | 2844398.96198 |
| 84 | 292010.67138 | 2844395.86358 |
| 85 | 292014.441303 | 2844392.79221 |
| 86 | 292017.690515 | 2844390.26536 |
| 87 | 292019.351076 | 2844388.31017 |
| 88 | 292022.474809 | 2844385.04246 |
| 89 | 292022.589364 | 2844384.94917 |
| 90 | 292022.078414 | 2844384.03927 |
| 91 | 292020.962432 | 2844381.5347 |
| 92 | 292019.792839 | 2844378.16855 |
| 93 | 292018.90041 | 2844375.38812 |
| 94 | 292018.031695 | 2844371.58763 |
| 95 | 292015.906852 | 2844359.71911 |
| 96 | 292014.432354 | 2844350.69282 |
| 97 | 292012.531662 | 2844339.29425 |
| 98 | 292012.480067 | 2844338.99828 |
| 99 | 292010.455913 | 2844327.89075 |
| 100 | 292010.419159 | 2844327.69471 |
| 101 | 292010.153733 | 2844326.51098 |
| 102 | 292008.268364 | 2844319.15469 |
| 103 | 292007.583918 | 2844316.99912 |
| 104 | 292005.409228 | 2844311.2912 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 292218.588526 | 2844348.88384 |
| 2 | 292220.891394 | 2844348.68299 |
| 3 | 292222.463652 | 2844348.7292 |
| 4 | 292224.95506 | 2844349.18033 |
| 5 | 292227.469139 | 2844349.86242 |
| 6 | 292229.577938 | 2844350.78744 |
| 7 | 292232.23748 | 2844352.37999 |
| 8 | 292235.199412 | 2844354.87207 |
| 9 | 292238.462881 | 2844358.24396 |
| 10 | 292239.011771 | 2844358.86817 |
| 11 | 292239.409508 | 2844358.5242 |
| 12 | 292241.195752 | 2844357.3098 |
| 13 | 292242.237017 | 2844356.22068 |
| 14 | 292244.023261 | 2844355.00627 |
| 15 | 292244.965643 | 2844354.2384 |
| 16 | 292245.459418 | 2844352.63159 |
| 17 | 292245.629961 | 2844350.9265 |
| 18 | 292245.997995 | 2844348.57662 |
| 19 | 292246.491679 | 2844346.97171 |
| 20 | 292246.339082 | 2844345.16854 |
| 21 | 292246.213433 | 2844344.42768 |
| 22 | 292245.737784 | 2844342.52624 |
| 23 | 292245.387784 | 2844341.36576 |
| 24 | 292244.912046 | 2844339.46442 |
| 25 | 292244.535097 | 2844337.24163 |
| 26 | 292243.538908 | 2844335.68499 |
| 27 | 292243.485011 | 2844333.76039 |
| 28 | 292243.135011 | 2844332.5999 |
| 29 | 292243.503046 | 2844330.25213 |
| 30 | 292243.898028 | 2844328.96646 |
| 31 | 292244.391714 | 2844327.35965 |
| 32 | 292244.140506 | 2844325.87782 |
| 33 | 292243.987907 | 2844324.07456 |
| 34 | 292243.512258 | 2844322.17321 |
| 35 | 292242.094042 | 2844321.03965 |
| 36 | 292241.223409 | 2844320.42377 |
| 37 | 292238.961511 | 2844319.73684 |
| 38 | 292236.376558 | 2844318.95152 |
| 39 | 292235.084083 | 2844318.55901 |
| 40 | 292233.791517 | 2844318.16641 |
| 41 | 292231.852759 | 2844317.57755 |
| 42 | 292230.237141 | 2844317.08676 |
| 43 | 292228.944574 | 2844316.69416 |
| 44 | 292225.094095 | 2844316.57864 |
| 45 | 292223.379686 | 2844316.40931 |
| 46 | 292221.665278 | 2844316.23997 |
| 47 | 292220.498451 | 2844316.58822 |
| 48 | 292218.784043 | 2844316.41888 |
| 49 | 292217.491566 | 2844316.02628 |
| 50 | 292215.651596 | 2844315.11598 |
| 51 | 292215.373343 | 2844312.57185 |
| 52 | 292215.768326 | 2844311.28638 |
| 53 | 292215.938865 | 2844309.58129 |
| 54 | 292216.135757 | 2844308.94061 |
| 55 | 292213.915292 | 2844309.13428 |
| 56 | 292211.871777 | 2844309.41925 |
| 57 | 292211.542818 | 2844309.48559 |
| 58 | 292206.874635 | 2844310.46586 |
| 59 | 292205.561857 | 2844310.78811 |
| 60 | 292204.274116 | 2844311.19845 |
| 61 | 292199.570964 | 2844312.87357 |
| 62 | 292199.14708 | 2844313.0299 |
| 63 | 292197.415232 | 2844313.78664 |
| 64 | 292193.021719 | 2844315.95957 |
| 65 | 292191.617036 | 2844316.72553 |
| 66 | 292190.728162 | 2844317.28987 |
| 67 | 292186.311122 | 2844320.25951 |
| 68 | 292184.375559 | 2844321.73976 |
| 69 | 292184.085866 | 2844321.99553 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 70 | 292180.12672 | 2844325.56102 |
| 71 | 292178.659083 | 2844327.02765 |
| 72 | 292175.159824 | 2844330.90731 |
| 73 | 292174.490594 | 2844331.68874 |
| 74 | 292174.19214 | 2844332.06514 |
| 75 | 292171.008256 | 2844336.18082 |
| 76 | 292170.032906 | 2844337.55791 |
| 77 | 292167.297999 | 2844341.78724 |
| 78 | 292166.968331 | 2844342.3149 |
| 79 | 292163.038973 | 2844348.82644 |
| 80 | 292162.940968 | 2844348.99062 |
| 81 | 292151.175756 | 2844368.91623 |
| 82 | 292148.160532 | 2844373.38226 |
| 83 | 292145.935126 | 2844376.36827 |
| 84 | 292143.100452 | 2844379.49727 |
| 85 | 292141.066937 | 2844381.39742 |
| 86 | 292138.519922 | 2844383.36401 |
| 87 | 292136.434011 | 2844384.86506 |
| 88 | 292134.05591 | 2844386.16321 |
| 89 | 292131.001334 | 2844387.70576 |
| 90 | 292126.228916 | 2844389.45246 |
| 91 | 292122.083054 | 2844390.74805 |
| 92 | 292102.576808 | 2844395.68664 |
| 93 | 292100.551395 | 2844396.1683 |
| 94 | 292101.542016 | 2844396.76076 |
| 95 | 292103.830692 | 2844398.51008 |
| 96 | 292105.796316 | 2844400.16122 |
| 97 | 292107.76203 | 2844401.81237 |
| 98 | 292109.207031 | 2844404.00833 |
| 99 | 292109.781484 | 2844405.58823 |
| 100 | 292111.127786 | 2844408.10543 |
| 101 | 292111.504756 | 2844410.32821 |
| 102 | 292112.330431 | 2844413.38993 |
| 103 | 292112.482956 | 2844415.1931 |
| 104 | 292112.734269 | 2844416.67492 |
| 105 | 292113.434379 | 2844418.99588 |
| 106 | 292113.389421 | 2844421.44183 |
| 107 | 292113.290633 | 2844421.76318 |
| 108 | 292113.595686 | 2844425.36971 |
| 109 | 292113.425159 | 2844427.0746 |
| 110 | 292113.676382 | 2844428.55643 |
| 111 | 292113.954656 | 2844431.10065 |
| 112 | 292113.811001 | 2844433.86805 |
| 113 | 292113.831069 | 2844434.10551 |
| 114 | 292132.436506 | 2844429.39439 |
| 115 | 292133.493588 | 2844429.09568 |
| 116 | 292138.620731 | 2844427.49311 |
| 117 | 292139.528698 | 2844427.18538 |
| 118 | 292145.849563 | 2844424.87197 |
| 119 | 292146.109955 | 2844424.77451 |
| 120 | 292147.991391 | 2844423.94297 |
| 121 | 292152.375817 | 2844421.72881 |
| 122 | 292152.943557 | 2844421.4307 |
| 123 | 292156.693274 | 2844419.38365 |
| 124 | 292157.380599 | 2844418.99059 |
| 125 | 292158.79194 | 2844418.06288 |
| 126 | 292162.161318 | 2844415.63823 |
| 127 | 292162.703024 | 2844415.2345 |
| 128 | 292166.260294 | 2844412.4878 |
| 129 | 292167.131751 | 2844411.77475 |
| 130 | 292167.69193 | 2844411.27087 |
| 131 | 292171.022005 | 2844408.15922 |
| 132 | 292172.190035 | 2844406.97303 |
| 133 | 292176.225758 | 2844402.51801 |
| 134 | 292176.924093 | 2844401.70433 |
| 135 | 292177.439625 | 2844401.04211 |
| 136 | 292180.515339 | 2844396.91546 |
| 137 | 292181.054972 | 2844396.155 |
| 138 | 292184.670124 | 2844390.80051 |
| 139 | 292185.316428 | 2844389.77787 |
| 140 | 292197.341034 | 2844369.41303 |
| 141 | 292201.060254 | 2844363.2495 |
| 142 | 292203.167194 | 2844359.99141 |
| 143 | 292205.372171 | 2844357.14106 |
| 144 | 292207.670458 | 2844354.59281 |
| 145 | 292209.806187 | 2844352.66945 |
| 146 | 292211.946353 | 2844351.23044 |
| 147 | 292214.098089 | 2844350.16656 |
| 148 | 292216.421555 | 2844349.33896 |

POLÍGONO: Ejido San José del Barranco_28

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 292344.817821 | 2844416.59317 |
| 2 | 292338.852479 | 2844414.17146 |
| 3 | 292335.737408 | 2844412.47133 |
| 4 | 292331.962619 | 2844409.70007 |
| 5 | 292330.190445 | 2844408.14841 |
| 6 | 292330.126042 | 2844408.21569 |
| 7 | 292328.761637 | 2844409.20672 |
| 8 | 292326.876782 | 2844410.74246 |
| 9 | 292324.345559 | 2844412.08184 |
| 10 | 292323.726224 | 2844412.94778 |
| 11 | 292322.586259 | 2844414.35844 |
| 12 | 292319.283206 | 2844414.7606 |
| 13 | 292315.405816 | 2844413.58285 |
| 14 | 292313.790124 | 2844413.09216 |
| 15 | 292311.851384 | 2844412.50329 |
| 16 | 292311.205198 | 2844412.30703 |
| 17 | 292310.011345 | 2844411.59308 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 18 | 292308.817672 | 2844410.87902 |
| 19 | 292307.399472 | 2844409.74555 |
| 20 | 292305.981452 | 2844408.61197 |
| 21 | 292305.308231 | 2844407.35341 |
| 22 | 292304.6351 | 2844406.09485 |
| 23 | 292303.935025 | 2844403.77399 |
| 24 | 292304.006871 | 2844402.39024 |
| 25 | 292303.531144 | 2844400.489 |
| 26 | 292303.154297 | 2844398.26621 |
| 27 | 292302.804213 | 2844397.10573 |
| 28 | 292302.553012 | 2844395.6239 |
| 29 | 292302.400423 | 2844393.82074 |
| 30 | 292302.050339 | 2844392.66025 |
| 31 | 292301.251562 | 2844390.66083 |
| 32 | 292300.901568 | 2844389.50035 |
| 33 | 292299.878442 | 2844387.0813 |
| 34 | 292299.654006 | 2844386.66188 |
| 35 | 292297.984601 | 2844384.04649 |
| 36 | 292297.410169 | 2844382.46648 |
| 37 | 292296.961384 | 2844381.62744 |
| 38 | 292296.288161 | 2844380.36888 |
| 39 | 292295.516326 | 2844379.43166 |
| 40 | 292293.873865 | 2844377.87867 |
| 41 | 292292.554451 | 2844376.42375 |
| 42 | 292291.782616 | 2844375.48653 |
| 43 | 292290.687549 | 2844374.45104 |
| 44 | 292289.170644 | 2844373.63901 |
| 45 | 292287.976967 | 2844372.92505 |
| 46 | 292285.813781 | 2844371.91667 |
| 47 | 292284.171226 | 2844370.36357 |
| 48 | 292282.977459 | 2844369.64962 |
| 49 | 292281.684991 | 2844369.25711 |
| 50 | 292280.715661 | 2844368.96258 |
| 51 | 292279.324401 | 2844368.89141 |
| 52 | 292277.960085 | 2844369.88244 |
| 53 | 292276.272631 | 2844370.7754 |
| 54 | 292274.908226 | 2844371.76644 |
| 55 | 292274.190193 | 2844372.95393 |
| 56 | 292273.050227 | 2844374.36449 |
| 57 | 292271.811561 | 2844376.09648 |
| 58 | 292270.671687 | 2844377.50714 |
| 59 | 292269.729124 | 2844378.27501 |
| 60 | 292268.589159 | 2844379.68557 |
| 61 | 292267.673723 | 2844381.51565 |
| 62 | 292266.336178 | 2844383.56909 |
| 63 | 292265.420654 | 2844385.39926 |
| 64 | 292264.406427 | 2844387.55068 |
| 65 | 292263.331887 | 2844389.32765 |
| 66 | 292277.947972 | 2844407.96717 |
| 67 | 292285.708418 | 2844418.04964 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 68 | 292286.03588 | 2844418.46385 |
| 69 | 292293.476632 | 2844427.62045 |
| 70 | 292293.680626 | 2844428.10183 |
| 71 | 292294.520417 | 2844428.80593 |
| 72 | 292301.287807 | 2844435.90654 |
| 73 | 292302.590624 | 2844437.15553 |
| 74 | 292306.255351 | 2844440.36439 |
| 75 | 292306.816404 | 2844440.83763 |
| 76 | 292307.594434 | 2844441.43881 |
| 77 | 292313.141624 | 2844445.51158 |
| 78 | 292315.250708 | 2844446.86513 |
| 79 | 292315.397154 | 2844446.94594 |
| 80 | 292320.69013 | 2844449.83441 |
| 81 | 292322.748325 | 2844450.80996 |
| 82 | 292330.566921 | 2844453.98392 |
| 83 | 292331.544883 | 2844454.35157 |
| 84 | 292332.184231 | 2844454.56099 |
| 85 | 292338.953537 | 2844456.65319 |
| 86 | 292339.508275 | 2844456.81581 |
| 87 | 292348.819913 | 2844459.40153 |
| 88 | 292348.824593 | 2844459.37176 |
| 89 | 292348.573217 | 2844457.88993 |
| 90 | 292348.591276 | 2844454.38158 |
| 91 | 292349.084966 | 2844452.77467 |
| 92 | 292349.874855 | 2844450.20374 |
| 93 | 292350.539189 | 2844446.89164 |
| 94 | 292350.386606 | 2844445.06848 |
| 95 | 292350.009676 | 2844442.86569 |
| 96 | 292349.830243 | 2844440.00022 |
| 97 | 292349.67766 | 2844438.19705 |
| 98 | 292349.848214 | 2844436.49196 |
| 99 | 292350.144409 | 2844435.52774 |
| 100 | 292349.991917 | 2844433.72457 |
| 101 | 292350.162471 | 2844432.01949 |
| 102 | 292350.108679 | 2844429.89488 |
| 103 | 292349.408613 | 2844427.57401 |
| 104 | 292349.031595 | 2844425.35133 |
| 105 | 292348.8791 | 2844423.54806 |
| 106 | 292348.376528 | 2844420.58441 |
| 107 | 292348.547082 | 2844418.87932 |
| 108 | 292348.448575 | 2844417.7153 |

POLÍGONO: Ejido San José del Barranco_29

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 292376.066264 | 2844425.44817 |
| 2 | 292375.867945 | 2844425.39308 |
| 3 | 292375.168941 | 2844427.6685 |
| 4 | 292373.759711 | 2844431.10558 |
| 5 | 292371.578565 | 2844433.60543 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 6 | 292370.339803 | 2844435.33742 |
| 7 | 292368.131808 | 2844436.77487 |
| 8 | 292366.022428 | 2844437.89108 |
| 9 | 292364.334978 | 2844438.78403 |
| 10 | 292361.929401 | 2844440.86436 |
| 11 | 292360.044547 | 2844442.40009 |
| 12 | 292358.50968 | 2844445.09621 |
| 13 | 292357.145278 | 2844446.08724 |
| 14 | 292356.552884 | 2844448.01559 |
| 15 | 292356.157894 | 2844449.30105 |
| 16 | 292356.014282 | 2844452.06854 |
| 17 | 292355.843725 | 2844453.77343 |
| 18 | 292355.969369 | 2844454.51449 |
| 19 | 292356.247595 | 2844457.05862 |
| 20 | 292355.852605 | 2844458.34409 |
| 21 | 292355.682051 | 2844460.04917 |
| 22 | 292355.493101 | 2844461.25448 |
| 23 | 292365.064802 | 2844463.91227 |
| 24 | 292371.615281 | 2844465.94932 |
| 25 | 292375.195252 | 2844467.30016 |
| 26 | 292377.508214 | 2844468.3383 |
| 27 | 292379.648193 | 2844469.52664 |
| 28 | 292382.477793 | 2844471.43047 |
| 29 | 292384.60481 | 2844473.33005 |
| 30 | 292387.242783 | 2844476.332 |
| 31 | 292391.345733 | 2844481.92684 |
| 32 | 292397.820193 | 2844492.32589 |
| 33 | 292404.308829 | 2844502.88117 |
| 34 | 292405.464464 | 2844504.56239 |
| 35 | 292408.885634 | 2844509.03244 |
| 36 | 292411.972579 | 2844513.03667 |
| 37 | 292412.694156 | 2844513.91927 |
| 38 | 292413.833285 | 2844515.12908 |
| 39 | 292417.699736 | 2844518.90753 |
| 40 | 292418.866852 | 2844519.96173 |
| 41 | 292423.412461 | 2844523.75376 |
| 42 | 292423.609752 | 2844523.9162 |
| 43 | 292424.698332 | 2844524.74073 |
| 44 | 292425.840615 | 2844525.48928 |
| 45 | 292430.916469 | 2844528.57263 |
| 46 | 292431.57287 | 2844528.95459 |
| 47 | 292433.429963 | 2844529.86584 |
| 48 | 292438.643068 | 2844532.09748 |
| 49 | 292439.968452 | 2844532.60997 |
| 50 | 292440.845921 | 2844532.8914 |
| 51 | 292446.409608 | 2844534.53556 |
| 52 | 292446.581219 | 2844534.58031 |
| 53 | 292446.44549 | 2844533.7542 |
| 54 | 292445.565843 | 2844529.09185 |
| 55 | 292445.482135 | 2844526.50899 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 56 | 292445.398493 | 2844523.93033 |
| 57 | 292445.565099 | 2844520.12247 |
| 58 | 292446.064797 | 2844517.65944 |
| 59 | 292446.668378 | 2844514.58606 |
| 60 | 292447.435082 | 2844510.90585 |
| 61 | 292449.46655 | 2844506.8336 |
| 62 | 292451.245896 | 2844503.99186 |
| 63 | 292453.021896 | 2844501.15555 |
| 64 | 292454.337383 | 2844497.61232 |
| 65 | 292454.803339 | 2844495.30049 |
| 66 | 292453.307873 | 2844494.85843 |
| 67 | 292450.47576 | 2844493.64614 |
| 68 | 292447.889562 | 2844492.07502 |
| 69 | 292445.09765 | 2844489.74616 |
| 70 | 292442.798261 | 2844487.49898 |
| 71 | 292440.612727 | 2844484.66424 |
| 72 | 292437.854558 | 2844481.06035 |
| 73 | 292431.831683 | 2844471.26301 |
| 74 | 292424.90583 | 2844460.13895 |
| 75 | 292424.055692 | 2844458.88226 |
| 76 | 292418.981559 | 2844451.96296 |
| 77 | 292417.970907 | 2844450.69573 |
| 78 | 292417.876856 | 2844450.58798 |
| 79 | 292413.856979 | 2844446.0135 |
| 80 | 292412.155388 | 2844444.29818 |
| 81 | 292408.104357 | 2844440.68028 |
| 82 | 292407.396179 | 2844440.0769 |
| 83 | 292405.946519 | 2844439.0034 |
| 84 | 292401.272155 | 2844435.85836 |
| 85 | 292399.825969 | 2844434.97207 |
| 86 | 292396.186921 | 2844432.95117 |
| 87 | 292394.666759 | 2844432.1897 |
| 88 | 292391.019 | 2844430.55222 |
| 89 | 292389.686986 | 2844430.086 |
| 90 | 292385.183075 | 2844428.31043 |
| 91 | 292384.668053 | 2844428.12417 |
| 92 | 292384.062455 | 2844427.92518 |
| 93 | 292376.654754 | 2844425.62132 |

POLÍGONO: Ejido San José del Barranco_3

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 286510.403945 | 2843289.68786 |
| 2 | 286510.113056 | 2843289.39944 |
| 3 | 286507.275554 | 2843290.16581 |
| 4 | 286504.322656 | 2843290.78737 |
| 5 | 286499.943542 | 2843291.29061 |
| 6 | 286499.930677 | 2843291.31036 |
| 7 | 286499.636268 | 2843291.76217 |
| 8 | 286499.243255 | 2843292.36545 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 9 | 286498.450499 | 2843292.9411 |
| 10 | 286497.105484 | 2843293.39917 |
| 11 | 286496.55838 | 2843293.91564 |
| 12 | 286496.010388 | 2843294.43313 |
| 13 | 286495.711719 | 2843294.88949 |
| 14 | 286495.013568 | 2843295.95682 |
| 15 | 286494.51362 | 2843296.72129 |
| 16 | 286493.660322 | 2843297.70352 |
| 17 | 286493.258101 | 2843298.31811 |
| 18 | 286492.955993 | 2843298.77962 |
| 19 | 286492.501726 | 2843299.15099 |
| 20 | 286491.490053 | 2843300.04956 |
| 21 | 286490.932203 | 2843300.57727 |
| 22 | 286490.220444 | 2843301.66296 |
| 23 | 286489.711781 | 2843301.79104 |
| 24 | 286488.6913 | 2843302.69773 |
| 25 | 286488.231153 | 2843303.07408 |
| 26 | 286487.25885 | 2843303.58017 |
| 27 | 286486.181183 | 2843304.24411 |
| 28 | 286484.947385 | 2843304.81799 |
| 29 | 286484.690363 | 2843304.88312 |
| 30 | 286483.348331 | 2843305.616 |
| 31 | 286482.316111 | 2843305.87799 |
| 32 | 286481.743726 | 2843306.41699 |
| 33 | 286480.757006 | 2843306.93058 |
| 34 | 286479.557344 | 2843307.76253 |
| 35 | 286478.883009 | 2843307.80239 |
| 36 | 286477.465492 | 2843308.95595 |
| 37 | 286476.62393 | 2843309.56786 |
| 38 | 286475.994134 | 2843309.86134 |
| 39 | 286475.042222 | 2843310.63547 |
| 40 | 286473.93254 | 2843311.31867 |
| 41 | 286473.083028 | 2843311.93599 |
| 42 | 286472.18429 | 2843312.30017 |
| 43 | 286471.812158 | 2843312.5291 |
| 44 | 286469.899313 | 2843313.42196 |
| 45 | 286469.259935 | 2843313.72038 |
| 46 | 286468.197833 | 2843313.99391 |
| 47 | 286467.243469 | 2843314.10565 |
| 48 | 286466.444394 | 2843314.31126 |
| 49 | 286465.110179 | 2843314.65485 |
| 50 | 286464.0407 | 2843314.9301 |
| 51 | 286463.015016 | 2843315.46315 |
| 52 | 286461.449348 | 2843316.13626 |
| 53 | 286461.114038 | 2843316.6274 |
| 54 | 286460.508699 | 2843317.18906 |
| 55 | 286459.677423 | 2843318.08074 |
| 56 | 286459.22734 | 2843318.73977 |
| 57 | 286458.776279 | 2843319.3998 |
| 58 | 286458.211332 | 2843320.2267 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 59 | 286457.80353 | 2843321.15053 |
| 60 | 286457.281055 | 2843322.24284 |
| 61 | 286456.871068 | 2843323.17119 |
| 62 | 286456.574096 | 2843323.93458 |
| 63 | 286456.249115 | 2843324.4111 |
| 64 | 286456.721906 | 2843324.61237 |
| 65 | 286458.018409 | 2843325.11171 |
| 66 | 286458.144709 | 2843325.15492 |
| 67 | 286464.424022 | 2843327.27975 |
| 68 | 286465.722207 | 2843327.67053 |
| 69 | 286472.012959 | 2843329.33406 |
| 70 | 286473.970692 | 2843329.7481 |
| 71 | 286474.086114 | 2843329.76627 |
| 72 | 286480.922604 | 2843330.81758 |
| 73 | 286482.075302 | 2843330.96066 |
| 74 | 286488.745939 | 2843331.59309 |
| 75 | 286490.99032 | 2843331.67912 |
| 76 | 286499.583687 | 2843331.51111 |
| 77 | 286501.47627 | 2843331.38426 |
| 78 | 286509.750016 | 2843330.43341 |
| 79 | 286511.256787 | 2843330.20185 |
| 80 | 286511.458769 | 2843330.16172 |
| 81 | 286515.940984 | 2843329.24882 |
| 82 | 286517.291583 | 2843328.9246 |
| 83 | 286524.451565 | 2843326.93999 |
| 84 | 286524.661505 | 2843326.87253 |
| 85 | 286522.869739 | 2843320.10544 |
| 86 | 286522.717717 | 2843319.44067 |
| 87 | 286522.589951 | 2843318.57749 |
| 88 | 286522.537909 | 2843317.70651 |
| 89 | 286522.555272 | 2843316.93427 |
| 90 | 286522.632108 | 2843316.16566 |
| 91 | 286524.422269 | 2843303.3143 |
| 92 | 286522.587023 | 2843295.20989 |
| 93 | 286513.921299 | 2843291.94599 |
| 94 | 286513.242187 | 2843291.66124 |
| 95 | 286512.585851 | 2843291.32729 |
| 96 | 286511.842564 | 2843290.87036 |
| 97 | 286511.141876 | 2843290.35046 |

POLÍGONO: Ejido San José del Barranco_30

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 292543.508824 | 2844474.94359 |
| 2 | 292545.775414 | 2844474.76261 |
| 3 | 292547.50995 | 2844474.82384 |
| 4 | 292557.241536 | 2844476.85632 |
| 5 | 292557.536799 | 2844476.91578 |
| 6 | 292576.481791 | 2844480.57589 |
| 7 | 292584.048762 | 2844482.15825 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 8 | 292584.97823 | 2844482.32976 |
| 9 | 292585.975005 | 2844482.46374 |
| 10 | 292593.72364 | 2844483.3086 |
| 11 | 292595.351324 | 2844483.41905 |
| 12 | 292600.8077 | 2844483.56643 |
| 13 | 292601.660886 | 2844483.57132 |
| 14 | 292602.321625 | 2844483.55001 |
| 15 | 292609.833805 | 2844483.18398 |
| 16 | 292626.210825 | 2844482.31338 |
| 17 | 292626.38474 | 2844482.30338 |
| 18 | 292673.095377 | 2844479.41176 |
| 19 | 292731.766922 | 2844475.68195 |
| 20 | 292731.995649 | 2844475.66682 |
| 21 | 292744.694176 | 2844474.95664 |
| 22 | 292746.491716 | 2844474.74585 |
| 23 | 292755.052017 | 2844473.34613 |
| 24 | 292755.605553 | 2844473.24769 |
| 25 | 292756.921925 | 2844472.94796 |
| 26 | 292763.937187 | 2844471.09915 |
| 27 | 292765.934225 | 2844470.45903 |
| 28 | 292771.971024 | 2844468.16901 |
| 29 | 292773.736152 | 2844467.39817 |
| 30 | 292779.743353 | 2844464.42209 |
| 31 | 292781.134697 | 2844463.66268 |
| 32 | 292782.22673 | 2844462.96008 |
| 33 | 292787.743761 | 2844459.15187 |
| 34 | 292789.476218 | 2844457.81013 |
| 35 | 292789.764669 | 2844457.55538 |
| 36 | 292795.09654 | 2844452.75482 |
| 37 | 292796.299849 | 2844451.57582 |
| 38 | 292799.576424 | 2844448.08369 |
| 39 | 292800.511122 | 2844447.01362 |
| 40 | 292800.900199 | 2844446.51933 |
| 41 | 292804.603017 | 2844441.65894 |
| 42 | 292805.684833 | 2844440.0892 |
| 43 | 292809.198664 | 2844434.43054 |
| 44 | 292809.682821 | 2844433.6077 |
| 45 | 292810.425833 | 2844432.13274 |
| 46 | 292813.350636 | 2844426.67689 |
| 47 | 292814.031592 | 2844423.96901 |
| 48 | 292814.262212 | 2844423.26074 |
| 49 | 292815.939635 | 2844417.76385 |
| 50 | 292816.481426 | 2844415.53984 |
| 51 | 292818.072624 | 2844406.87845 |
| 52 | 292818.149836 | 2844406.42919 |
| 53 | 292818.36955 | 2844404.39977 |
| 54 | 292818.783172 | 2844397.12565 |
| 55 | 292818.813075 | 2844395.67749 |
| 56 | 292818.72971 | 2844394.13962 |
| 57 | 292817.972221 | 2844385.98722 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 58 | 292817.69745 | 2844384.05671 |
| 59 | 292817.482173 | 2844383.07289 |
| 60 | 292815.711553 | 2844375.85415 |
| 61 | 292814.972838 | 2844373.48723 |
| 62 | 292814.027731 | 2844371.01073 |
| 63 | 292813.304848 | 2844370.72457 |
| 64 | 292812.524804 | 2844370.33386 |
| 65 | 292812.303605 | 2844370.20697 |
| 66 | 292809.344501 | 2844368.45944 |
| 67 | 292807.533517 | 2844367.38996 |
| 68 | 292736.832681 | 2844339.00821 |
| 69 | 292762.633179 | 2844364.6349 |
| 70 | 292768.455638 | 2844371.17997 |
| 71 | 292771.546063 | 2844375.08915 |
| 72 | 292774.844488 | 2844380.53853 |
| 73 | 292777.154039 | 2844386.59044 |
| 74 | 292778.275677 | 2844391.16351 |
| 75 | 292778.75756 | 2844396.34941 |
| 76 | 292778.499957 | 2844400.88017 |
| 77 | 292777.34176 | 2844407.18394 |
| 78 | 292776.376675 | 2844410.34644 |
| 79 | 292774.524301 | 2844414.43526 |
| 80 | 292772.202299 | 2844418.17446 |
| 81 | 292769.699665 | 2844421.45947 |
| 82 | 292767.701806 | 2844423.58896 |
| 83 | 292763.95613 | 2844426.96138 |
| 84 | 292760.689456 | 2844429.21605 |
| 85 | 292756.85072 | 2844431.11791 |
| 86 | 292752.727359 | 2844432.68212 |
| 87 | 292747.65218 | 2844434.01965 |
| 88 | 292740.930428 | 2844435.11865 |
| 89 | 292729.255009 | 2844435.95542 |
| 90 | 292670.671234 | 2844439.48007 |
| 91 | 292623.998878 | 2844442.36919 |
| 92 | 292607.793931 | 2844443.23063 |
| 93 | 292601.130764 | 2844443.55546 |
| 94 | 292597.247455 | 2844443.45042 |
| 95 | 292591.280928 | 2844442.80009 |
| 96 | 292584.515229 | 2844441.38526 |
| 97 | 292584.215438 | 2844441.32497 |
| 98 | 292565.272929 | 2844437.6653 |
| 99 | 292554.014553 | 2844435.3139 |
| 100 | 292553.089608 | 2844435.14322 |
| 101 | 292550.629898 | 2844434.9038 |
| 102 | 292546.035592 | 2844434.74174 |
| 103 | 292545.017552 | 2844434.73187 |
| 104 | 292543.740052 | 2844434.79263 |
| 105 | 292539.003152 | 2844435.17054 |
| 106 | 292536.812501 | 2844435.46783 |
| 107 | 292536.380058 | 2844435.55612 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 108 | 292530.914974 | 2844436.73382 |
| 109 | 292529.43803 | 2844437.11152 |
| 110 | 292527.994159 | 2844437.60061 |
| 111 | 292527.469795 | 2844437.80933 |
| 112 | 292520.039806 | 2844440.88903 |
| 113 | 292518.709682 | 2844441.49832 |
| 114 | 292517.427552 | 2844442.20313 |
| 115 | 292516.949865 | 2844442.49821 |
| 116 | 292511.955152 | 2844445.68089 |
| 117 | 292510.749856 | 2844446.51255 |
| 118 | 292509.608473 | 2844447.43012 |
| 119 | 292509.192462 | 2844447.80077 |
| 120 | 292504.032073 | 2844452.52821 |
| 121 | 292502.9877 | 2844453.55796 |
| 122 | 292502.021584 | 2844454.66133 |
| 123 | 292501.525757 | 2844455.29702 |
| 124 | 292497.337691 | 2844460.89677 |
| 125 | 292496.611613 | 2844461.93459 |
| 126 | 292495.952582 | 2844463.01621 |
| 127 | 292491.391636 | 2844471.06585 |
| 128 | 292488.193728 | 2844476.29562 |
| 129 | 292491.394336 | 2844479.3379 |
| 130 | 292492.891017 | 2844480.84915 |
| 131 | 292495.426301 | 2844483.17038 |
| 132 | 292497.964335 | 2844485.49436 |
| 133 | 292500.505388 | 2844487.82098 |
| 134 | 292502.472796 | 2844490.04587 |
| 135 | 292505.484219 | 2844493.08613 |
| 136 | 292507.457228 | 2844495.31701 |
| 137 | 292510.343814 | 2844495.83984 |
| 138 | 292513.0091 | 2844497.57286 |
| 139 | 292514.631304 | 2844498.49219 |
| 140 | 292517.987489 | 2844499.72579 |
| 141 | 292519.715115 | 2844501.30617 |
| 142 | 292520.163752 | 2844500.6494 |
| 143 | 292520.711874 | 2844499.80171 |
| 144 | 292525.696474 | 2844491.65018 |
| 145 | 292526.034629 | 2844491.07586 |
| 146 | 292530.133718 | 2844483.84137 |
| 147 | 292532.43849 | 2844480.75961 |
| 148 | 292534.927539 | 2844478.47949 |
| 149 | 292536.97314 | 2844477.17606 |
| 150 | 292541.114126 | 2844475.45953 |

POLÍGONO: Ejido San José del Barranco_31

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 292563.612626 | 2844015.34424 |
| 2 | 292557.716678 | 2844014.4911 |
| 3 | 292556.985712 | 2844018.14683 |
| 4 | 292556.849821 | 2844018.90405 |
| 5 | 292556.687771 | 2844020.1742 |
| 6 | 292556.607375 | 2844021.45214 |
| 7 | 292556.460469 | 2844026.21607 |
| 8 | 292556.453351 | 2844027.14567 |
| 9 | 292556.503455 | 2844028.28155 |
| 10 | 292556.858771 | 2844032.94972 |
| 11 | 292556.933585 | 2844034.08372 |
| 12 | 292556.992795 | 2844034.6881 |
| 13 | 292557.233025 | 2844036.41665 |
| 14 | 292557.326751 | 2844036.83234 |
| 15 | 292557.616323 | 2844038.11964 |
| 16 | 292558.492518 | 2844042.3035 |
| 17 | 292559.046494 | 2844044.34882 |
| 18 | 292561.200357 | 2844050.90292 |
| 19 | 292561.51621 | 2844051.79268 |
| 20 | 292561.851419 | 2844052.61537 |
| 21 | 292567.263397 | 2844065.09668 |
| 22 | 292567.579875 | 2844065.78991 |
| 23 | 292585.471758 | 2844103.09145 |
| 24 | 292595.838517 | 2844124.77293 |
| 25 | 292607.477852 | 2844148.83679 |
| 26 | 292608.190073 | 2844150.17706 |
| 27 | 292614.593016 | 2844161.19569 |
| 28 | 292614.723423 | 2844161.41688 |
| 29 | 292615.321651 | 2844162.35603 |
| 30 | 292619.449181 | 2844168.45541 |
| 31 | 292619.761828 | 2844168.90415 |
| 32 | 292627.250059 | 2844179.34304 |
| 33 | 292627.926602 | 2844180.23264 |
| 34 | 292639.002184 | 2844193.98096 |
| 35 | 292647.569651 | 2844205.28323 |
| 36 | 292653.414469 | 2844214.01674 |
| 37 | 292657.251529 | 2844220.56155 |
| 38 | 292660.850184 | 2844227.51907 |
| 39 | 292677.38182 | 2844265.47938 |
| 40 | 292677.731653 | 2844266.23926 |
| 41 | 292682.147297 | 2844275.32052 |
| 42 | 292682.94075 | 2844276.79277 |
| 43 | 292687.332735 | 2844284.18334 |
| 44 | 292687.915939 | 2844285.10351 |
| 45 | 292692.74428 | 2844292.28087 |
| 46 | 292693.583712 | 2844293.43729 |
| 47 | 292698.387103 | 2844299.58003 |
| 48 | 292698.973692 | 2844300.29535 |
| 49 | 292703.28271 | 2844305.30965 |
| 50 | 292730.017595 | 2844316.07175 |
| 51 | 292731.381256 | 2844316.06407 |
| 52 | 292732.203143 | 2844316.09337 |
| 53 | 292733.019943 | 2844316.18991 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 54 | 292733.874635 | 2844316.36549 |
| 55 | 292734.710708 | 2844316.6148 |
| 56 | 292735.163342 | 2844316.78391 |
| 57 | 292794.964925 | 2844340.79023 |
| 58 | 292792.111917 | 2844337.58309 |
| 59 | 292791.263194 | 2844336.68631 |
| 60 | 292758.974856 | 2844304.61559 |
| 61 | 292735.585756 | 2844281.5194 |
| 62 | 292729.616569 | 2844274.57293 |
| 63 | 292725.537681 | 2844269.3569 |
| 64 | 292721.421867 | 2844263.23838 |
| 65 | 292717.759295 | 2844257.07509 |
| 66 | 292713.892012 | 2844249.12092 |
| 67 | 292697.262138 | 2844210.935 |
| 68 | 292696.689853 | 2844209.73184 |
| 69 | 292692.541814 | 2844201.71241 |
| 70 | 292692.030915 | 2844200.78563 |
| 71 | 292687.624208 | 2844193.26902 |
| 72 | 292687.532676 | 2844193.11449 |
| 73 | 292686.991856 | 2844192.26054 |
| 74 | 292680.489278 | 2844182.54404 |
| 75 | 292679.806155 | 2844181.58568 |
| 76 | 292670.704736 | 2844169.57901 |
| 77 | 292670.341181 | 2844169.11373 |
| 78 | 292659.430621 | 2844155.57049 |
| 79 | 292652.428276 | 2844145.60871 |
| 80 | 292648.837285 | 2844140.50225 |
| 81 | 292643.160976 | 2844130.73407 |
| 82 | 292631.887558 | 2844107.42693 |
| 83 | 292621.552956 | 2844085.81239 |
| 84 | 292603.815356 | 2844048.83277 |
| 85 | 292598.919713 | 2844037.54202 |
| 86 | 292597.383418 | 2844032.86702 |
| 87 | 292596.724215 | 2844029.79759 |
| 88 | 292596.478595 | 2844026.41475 |
| 89 | 292596.542207 | 2844024.35258 |
| 90 | 292596.857962 | 2844022.77279 |
| 91 | 292596.571266 | 2844022.6857 |
| 92 | 292592.576745 | 2844022.00608 |
| 93 | 292589.542205 | 2844021.61818 |
| 94 | 292586.65921 | 2844020.74249 |
| 95 | 292582.815304 | 2844019.5748 |
| 96 | 292578.818496 | 2844018.89472 |
| 97 | 292570.495426 | 2844016.90075 |

POLÍGONO: Ejido San José del Barranco_32

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 292728.96534 | 2843769.49752 |
| 2 | 292697.838886 | 2843762.39542 |
| 3 | 292697.920929 | 2843763.57106 |
| 4 | 292697.996527 | 2843764.40389 |
| 5 | 292700.573293 | 2843787.42279 |
| 6 | 292700.49987 | 2843790.816 |
| 7 | 292699.680826 | 2843795.86568 |
| 8 | 292698.54468 | 2843799.93383 |
| 9 | 292697.170315 | 2843803.35905 |
| 10 | 292695.105674 | 2843807.36679 |
| 11 | 292683.314976 | 2843826.05878 |
| 12 | 292676.637425 | 2843836.4907 |
| 13 | 292676.007084 | 2843837.54524 |
| 14 | 292675.180998 | 2843839.20607 |
| 15 | 292673.008953 | 2843844.13331 |
| 16 | 292672.411113 | 2843845.65513 |
| 17 | 292672.169411 | 2843846.39995 |
| 18 | 292670.909702 | 2843850.55654 |
| 19 | 292670.561061 | 2843851.66469 |
| 20 | 292670.300701 | 2843853.20025 |
| 21 | 292669.696499 | 2843856.98753 |
| 22 | 292669.548501 | 2843858.12372 |
| 23 | 292669.122429 | 2843862.33155 |
| 24 | 292669.02314 | 2843864.65935 |
| 25 | 292669.056701 | 2843865.54646 |
| 26 | 292669.420193 | 2843871.59403 |
| 27 | 292669.540508 | 2843872.88995 |
| 28 | 292669.751875 | 2843874.21156 |
| 29 | 292670.669377 | 2843878.88499 |
| 30 | 292670.962301 | 2843880.15629 |
| 31 | 292670.994975 | 2843880.2652 |
| 32 | 292688.858702 | 2843889.07839 |
| 33 | 292736.534751 | 2843910.64368 |
| 34 | 292736.150351 | 2843909.74642 |
| 35 | 292735.579737 | 2843908.52928 |
| 36 | 292734.928595 | 2843907.35317 |
| 37 | 292734.633089 | 2843906.87476 |
| 38 | 292731.530156 | 2843902.00531 |
| 39 | 292730.813456 | 2843900.95579 |
| 40 | 292725.260212 | 2843893.35385 |
| 41 | 292712.873713 | 2843876.50187 |
| 42 | 292711.025595 | 2843873.59972 |
| 43 | 292710.594734 | 2843872.63582 |
| 44 | 292709.673353 | 2843869.89546 |
| 45 | 292709.272684 | 2843867.85561 |
| 46 | 292709.08672 | 2843864.75655 |
| 47 | 292709.292479 | 2843862.72386 |
| 48 | 292709.590554 | 2843860.85534 |
| 49 | 292710.103733 | 2843859.16215 |
| 50 | 292711.164124 | 2843856.75663 |
| 51 | 292717.045288 | 2843847.56892 |
| 52 | 292717.116491 | 2843847.45689 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 53 | 292729.406417 | 2843827.97344 |
| 54 | 292729.96556 | 2843827.03093 |
| 55 | 292730.27015 | 2843826.46202 |
| 56 | 292733.165005 | 2843820.84283 |
| 57 | 292733.94706 | 2843819.13148 |
| 58 | 292736.079836 | 2843813.81621 |
| 59 | 292736.416953 | 2843812.91384 |
| 60 | 292736.781368 | 2843811.74786 |
| 61 | 292738.512105 | 2843805.55054 |
| 62 | 292738.991255 | 2843803.37256 |
| 63 | 292740.215229 | 2843795.82637 |
| 64 | 292740.388757 | 2843794.44583 |
| 65 | 292740.465475 | 2843793.07566 |
| 66 | 292740.597935 | 2843786.95576 |
| 67 | 292740.600175 | 2843786.20991 |
| 68 | 292740.478534 | 2843784.29754 |
| 69 | 292739.083301 | 2843771.83367 |
| 70 | 292731.718865 | 2843770.27573 |
| 71 | 292730.94172 | 2843770.0785 |

POLÍGONO: Ejido San José del Barranco_33

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 292801.388635 | 2843535.85172 |
| 2 | 292801.151265 | 2843535.8349 |
| 3 | 292775.646357 | 2843539.37903 |
| 4 | 292789.428087 | 2843548.75946 |
| 5 | 292801.745235 | 2843557.76846 |
| 6 | 292804.330998 | 2843560.25699 |
| 7 | 292806.248926 | 2843562.46596 |
| 8 | 292807.525018 | 2843564.29112 |
| 9 | 292808.621105 | 2843566.24566 |
| 10 | 292809.278229 | 2843567.88488 |
| 11 | 292809.714792 | 2843569.80269 |
| 12 | 292810.182594 | 2843573.52836 |
| 13 | 292810.0249 | 2843575.91686 |
| 14 | 292809.370887 | 2843579.28247 |
| 15 | 292808.258858 | 2843582.26898 |
| 16 | 292806.350713 | 2843586.0574 |
| 17 | 292803.599701 | 2843590.25044 |
| 18 | 292797.451053 | 2843598.59281 |
| 19 | 292767.173362 | 2843637.69865 |
| 20 | 292722.904451 | 2843694.53587 |
| 21 | 292722.811792 | 2843694.65581 |
| 22 | 292715.686976 | 2843703.94787 |
| 23 | 292715.150386 | 2843704.68165 |
| 24 | 292709 | 2843713.50613 |
| 25 | 292708.12829 | 2843714.87169 |
| 26 | 292705.412187 | 2843719.53209 |
| 27 | 292705.21701 | 2843719.87476 |
| 28 | 292704.494387 | 2843721.30476 |
| 29 | 292701.744628 | 2843727.33465 |
| 30 | 292701.043306 | 2843729.08739 |
| 31 | 292700.708666 | 2843730.14817 |
| 32 | 292698.966353 | 2843736.25747 |
| 33 | 292698.451426 | 2843738.57812 |
| 34 | 292698.416584 | 2843738.80389 |
| 35 | 292697.955684 | 2843741.90599 |
| 36 | 292733.745957 | 2843750.06695 |
| 37 | 292734.369533 | 2843750.2305 |
| 38 | 292736.250896 | 2843750.78915 |
| 39 | 292737.295039 | 2843751.01 |
| 40 | 292737.391387 | 2843748.6952 |
| 41 | 292737.795677 | 2843745.97377 |
| 42 | 292738.767801 | 2843742.56501 |
| 43 | 292740.47917 | 2843738.81205 |
| 44 | 292742.283696 | 2843735.71575 |
| 45 | 292747.710484 | 2843727.92954 |
| 46 | 292754.511356 | 2843719.05982 |
| 47 | 292798.767554 | 2843662.23895 |
| 48 | 292829.227055 | 2843622.89825 |
| 49 | 292829.512788 | 2843622.52027 |
| 50 | 292836.127308 | 2843613.5458 |
| 51 | 292836.75005 | 2843612.65053 |
| 52 | 292840.425567 | 2843607.04827 |
| 53 | 292841.177951 | 2843605.80528 |
| 54 | 292841.565253 | 2843605.07423 |
| 55 | 292844.483755 | 2843599.28042 |
| 56 | 292845.364958 | 2843597.26149 |
| 57 | 292847.437117 | 2843591.69596 |
| 58 | 292847.592606 | 2843591.26312 |
| 59 | 292848.008118 | 2843589.91058 |
| 60 | 292848.327061 | 2843588.53195 |
| 61 | 292849.536239 | 2843582.30933 |
| 62 | 292849.651401 | 2843581.65907 |
| 63 | 292849.859917 | 2843579.8124 |
| 64 | 292850.226952 | 2843574.25458 |
| 65 | 292850.268097 | 2843572.62358 |
| 66 | 292850.114665 | 2843570.44383 |
| 67 | 292849.284905 | 2843563.83592 |
| 68 | 292849.080211 | 2843562.54739 |
| 69 | 292848.941785 | 2843561.88825 |
| 70 | 292847.935273 | 2843557.46674 |
| 71 | 292847.574497 | 2843556.10521 |
| 72 | 292847.118734 | 2843554.77257 |
| 73 | 292846.998067 | 2843554.46403 |
| 74 | 292845.270329 | 2843550.15395 |
| 75 | 292844.748465 | 2843548.96534 |
| 76 | 292844.150602 | 2843547.81311 |
| 77 | 292841.933358 | 2843543.85917 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 78 | 292841.65089 | 2843543.37169 |
| 79 | 292840.879601 | 2843542.18061 |
| 80 | 292838.433359 | 2843538.68208 |
| 81 | 292838.25553 | 2843538.45396 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 292799.435447 | 2843515.8787 |
| 2 | 292800.65563 | 2843515.78468 |
| 3 | 292801.516392 | 2843515.8082 |
| 4 | 292802.797336 | 2843515.89869 |
| 5 | 292813.276105 | 2843516.63837 |
| 6 | 292812.770284 | 2843516.26838 |
| 7 | 292812.216553 | 2843515.87752 |
| 8 | 292786.470464 | 2843498.35364 |
| 9 | 292784.136372 | 2843496.47416 |
| 10 | 292782.260651 | 2843494.74218 |
| 11 | 292781.362677 | 2843493.57441 |
| 12 | 292780.369567 | 2843492.13726 |
| 13 | 292779.956179 | 2843491.30941 |
| 14 | 292778.685958 | 2843487.97767 |
| 15 | 292778.197867 | 2843485.51336 |
| 16 | 292778.015604 | 2843482.81654 |
| 17 | 292778.070188 | 2843480.80017 |
| 18 | 292778.488576 | 2843478.67875 |
| 19 | 292779.800559 | 2843475.13474 |
| 20 | 292780.974366 | 2843473.05004 |
| 21 | 292781.934163 | 2843471.65153 |
| 22 | 292782.729209 | 2843470.66527 |
| 23 | 292784.852926 | 2843468.75586 |
| 24 | 292795.935695 | 2843461.36241 |
| 25 | 292797.112491 | 2843460.51418 |
| 26 | 292801.000816 | 2843457.49116 |
| 27 | 292801.818754 | 2843456.81965 |
| 28 | 292802.230359 | 2843456.45326 |
| 29 | 292806.050414 | 2843452.95585 |
| 30 | 292807.001457 | 2843452.02525 |
| 31 | 292807.888517 | 2843451.03337 |
| 32 | 292810.531014 | 2843447.87317 |
| 33 | 292810.707972 | 2843447.65843 |
| 34 | 292811.482221 | 2843446.64111 |
| 35 | 292812.189996 | 2843445.5764 |
| 36 | 292815.254055 | 2843440.63016 |
| 37 | 292815.727158 | 2843439.82523 |
| 38 | 292816.812558 | 2843437.54868 |
| 39 | 292819.305464 | 2843431.33958 |
| 40 | 292819.643986 | 2843430.4335 |
| 41 | 292820.247052 | 2843428.32505 |
| 42 | 292821.512704 | 2843422.76305 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 43 | 292821.759352 | 2843421.49009 |
| 44 | 292821.96823 | 2843419.63762 |
| 45 | 292822.290695 | 2843414.73484 |
| 46 | 292822.331385 | 2843413.10943 |
| 47 | 292822.314671 | 2843412.54843 |
| 48 | 292822.107931 | 2843407.81905 |
| 49 | 292821.987884 | 2843406.33706 |
| 50 | 292821.553589 | 2843402.67535 |
| 51 | 292821.33222 | 2843401.25025 |
| 52 | 292821.006369 | 2843399.83596 |
| 53 | 292820.053195 | 2843396.29198 |
| 54 | 292819.451373 | 2843394.42478 |
| 55 | 292817.921285 | 2843390.37041 |
| 56 | 292816.956386 | 2843388.21959 |
| 57 | 292814.476101 | 2843383.46356 |
| 58 | 292813.904559 | 2843382.44186 |
| 59 | 292812.919269 | 2843380.95068 |
| 60 | 292810.259662 | 2843377.29236 |
| 61 | 292809.643486 | 2843376.4884 |
| 62 | 292806.949908 | 2843373.1524 |
| 63 | 292806.507235 | 2843372.62308 |
| 64 | 292805.731128 | 2843371.77728 |
| 65 | 292781.694398 | 2843347.04592 |
| 66 | 292778.267316 | 2843342.89884 |
| 67 | 292776.146301 | 2843339.69161 |
| 68 | 292774.7093 | 2843336.53916 |
| 69 | 292773.859496 | 2843333.4168 |
| 70 | 292773.620295 | 2843329.67312 |
| 71 | 292773.976788 | 2843326.03522 |
| 72 | 292774.716892 | 2843322.64853 |
| 73 | 292775.982432 | 2843318.76622 |
| 74 | 292777.238301 | 2843315.46086 |
| 75 | 292786.800303 | 2843295.29049 |
| 76 | 292812.002108 | 2843241.29982 |
| 77 | 292816.509573 | 2843231.62203 |
| 78 | 292816.741935 | 2843231.10428 |
| 79 | 292819.136865 | 2843225.55603 |
| 80 | 292819.550377 | 2843224.51963 |
| 81 | 292821.094471 | 2843220.31198 |
| 82 | 292821.217218 | 2843219.96775 |
| 83 | 292821.405407 | 2843219.39678 |
| 84 | 292822.57751 | 2843215.65256 |
| 85 | 292823.016883 | 2843214.00607 |
| 86 | 292823.944796 | 2843209.82051 |
| 87 | 292824.166878 | 2843208.65655 |
| 88 | 292824.223727 | 2843208.27867 |
| 89 | 292824.858191 | 2843203.76993 |
| 90 | 292825.032378 | 2843201.89658 |
| 91 | 292825.24003 | 2843197.36731 |
| 92 | 292825.258576 | 2843196.13897 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 93 | 292825.173804 | 2843194.58568 |
| 94 | 292824.769896 | 2843190.27414 |
| 95 | 292824.496536 | 2843188.35926 |
| 96 | 292823.84735 | 2843184.98701 |
| 97 | 292823.314358 | 2843182.85605 |
| 98 | 292821.768216 | 2843177.92286 |
| 99 | 292821.366306 | 2843176.70031 |
| 100 | 292820.630834 | 2843175.01169 |
| 101 | 292817.987099 | 2843169.63257 |
| 102 | 292817.750034 | 2843169.1966 |
| 103 | 292811.672121 | 2843173.6792 |
| 104 | 292810.871146 | 2843174.21242 |
| 105 | 292810.103626 | 2843174.62732 |
| 106 | 292809.280363 | 2843174.9624 |
| 107 | 292760.849247 | 2843185.68009 |
| 108 | 292781.103409 | 2843185.99093 |
| 109 | 292782.586862 | 2843188.30196 |
| 110 | 292784.034455 | 2843191.24755 |
| 111 | 292784.771279 | 2843193.62895 |
| 112 | 292785.029457 | 2843194.97076 |
| 113 | 292785.21302 | 2843196.9287 |
| 114 | 292785.112211 | 2843199.12697 |
| 115 | 292784.718055 | 2843201.92726 |
| 116 | 292784.144417 | 2843204.5152 |
| 117 | 292783.371965 | 2843206.98277 |
| 118 | 292782.186252 | 2843210.21379 |
| 119 | 292780.124551 | 2843214.99009 |
| 120 | 292775.744563 | 2843224.39404 |
| 121 | 292750.600608 | 2843278.26091 |
| 122 | 292740.748259 | 2843299.04344 |
| 123 | 292740.124202 | 2843300.50786 |
| 124 | 292738.414682 | 2843305.00721 |
| 125 | 292738.212204 | 2843305.56486 |
| 126 | 292738.095468 | 2843305.91219 |
| 127 | 292736.371218 | 2843311.20183 |
| 128 | 292735.847253 | 2843313.13117 |
| 129 | 292734.642874 | 2843318.64339 |
| 130 | 292734.433784 | 2843319.74824 |
| 131 | 292734.277058 | 2843320.9625 |
| 132 | 292733.647955 | 2843327.38225 |
| 133 | 292733.554953 | 2843329.64597 |
| 134 | 292733.593301 | 2843330.60864 |
| 135 | 292734.064925 | 2843337.99019 |
| 136 | 292734.384823 | 2843340.4957 |
| 137 | 292734.726398 | 2843341.96794 |
| 138 | 292736.534655 | 2843348.61167 |
| 139 | 292737.148083 | 2843350.49264 |
| 140 | 292737.634061 | 2843351.65459 |
| 141 | 292740.395229 | 2843357.7124 |
| 142 | 292741.431971 | 2843359.6871 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 143 | 292741.912159 | 2843360.44993 |
| 144 | 292745.486126 | 2843365.85405 |
| 145 | 292746.751114 | 2843367.56219 |
| 146 | 292751.369497 | 2843373.15098 |
| 147 | 292751.668658 | 2843373.50457 |
| 148 | 292752.444677 | 2843374.35026 |
| 149 | 292776.401857 | 2843398.9997 |
| 150 | 292778.199818 | 2843401.22639 |
| 151 | 292779.689816 | 2843403.27582 |
| 152 | 292780.929872 | 2843405.65374 |
| 153 | 292781.676084 | 2843407.63108 |
| 154 | 292781.997424 | 2843408.82591 |
| 155 | 292782.173389 | 2843410.30931 |
| 156 | 292782.299875 | 2843413.20211 |
| 157 | 292782.153231 | 2843415.4311 |
| 158 | 292781.590453 | 2843417.90427 |
| 159 | 292780.333578 | 2843421.03485 |
| 160 | 292778.93009 | 2843423.30042 |
| 161 | 292778.053484 | 2843424.34884 |
| 162 | 292775.810389 | 2843426.40232 |
| 163 | 292773.131101 | 2843428.48534 |
| 164 | 292761.451566 | 2843436.2771 |
| 165 | 292759.456651 | 2843437.79674 |
| 166 | 292759.178505 | 2843438.04225 |
| 167 | 292754.78896 | 2843441.96886 |
| 168 | 292753.670617 | 2843443.07594 |
| 169 | 292752.614672 | 2843444.27895 |
| 170 | 292750.304559 | 2843447.14487 |
| 171 | 292749.386334 | 2843448.37821 |
| 172 | 292747.488281 | 2843451.14362 |
| 173 | 292746.55056 | 2843452.64882 |
| 174 | 292744.139616 | 2843456.93102 |
| 175 | 292743.421716 | 2843458.34111 |
| 176 | 292742.834486 | 2843459.75802 |
| 177 | 292740.415679 | 2843466.29165 |
| 178 | 292740.273098 | 2843466.68951 |
| 179 | 292739.864756 | 2843468.01513 |
| 180 | 292739.549356 | 2843469.36591 |
| 181 | 292738.495838 | 2843474.70824 |
| 182 | 292738.369804 | 2843475.41368 |
| 183 | 292738.204252 | 2843476.72155 |
| 184 | 292738.125053 | 2843478.03734 |
| 185 | 292737.999417 | 2843482.68323 |
| 186 | 292737.994531 | 2843483.53725 |
| 187 | 292738.037659 | 2843484.57458 |
| 188 | 292738.370539 | 2843489.49264 |
| 189 | 292738.695789 | 2843491.97674 |
| 190 | 292739.772069 | 2843497.41024 |
| 191 | 292740.169151 | 2843499.04864 |
| 192 | 292740.702773 | 2843500.64783 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 193 | 292742.929617 | 2843506.48947 |
| 194 | 292743.72291 | 2843508.29598 |
| 195 | 292745.211862 | 2843511.27779 |
| 196 | 292745.943061 | 2843512.6125 |
| 197 | 292746.650717 | 2843513.71199 |
| 198 | 292748.738938 | 2843516.73427 |
| 199 | 292749.340264 | 2843517.55878 |
| 200 | 292751.586253 | 2843520.47893 |
| 201 | 292752.321588 | 2843521.37958 |
| 202 | 292753.214544 | 2843522.30138 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 292801.967002 | 2842970.24613 |
| 2 | 292799.719639 | 2842967.79137 |
| 3 | 292768.152957 | 2842990.7734 |
| 4 | 292766.781783 | 2842992.06523 |
| 5 | 292768.216366 | 2842993.0566 |
| 6 | 292769.803162 | 2842994.3582 |
| 7 | 292771.641637 | 2842996.36621 |
| 8 | 292773.179986 | 2842998.51973 |
| 9 | 292773.876239 | 2842999.68777 |
| 10 | 292774.598073 | 2843001.63301 |
| 11 | 292775.192199 | 2843003.64213 |
| 12 | 292775.546955 | 2843005.66297 |
| 13 | 292775.649016 | 2843008.44913 |
| 14 | 292775.451174 | 2843010.65559 |
| 15 | 292775.025155 | 2843012.81011 |
| 16 | 292774.41895 | 2843015.19845 |
| 17 | 292773.704757 | 2843017.39066 |
| 18 | 292772.636159 | 2843020.1725 |
| 19 | 292762.406963 | 2843041.27519 |
| 20 | 292746.548326 | 2843073.5589 |
| 21 | 292746.441179 | 2843073.78051 |
| 22 | 292740.989852 | 2843085.23198 |
| 23 | 292740.382811 | 2843086.69695 |
| 24 | 292738.932784 | 2843090.44381 |
| 25 | 292738.719634 | 2843091.02953 |
| 26 | 292738.664204 | 2843091.19194 |
| 27 | 292737.336556 | 2843095.13412 |
| 28 | 292736.902851 | 2843096.60573 |
| 29 | 292735.831269 | 2843100.8359 |
| 30 | 292735.5093 | 2843102.3505 |
| 31 | 292734.811826 | 2843106.39684 |
| 32 | 292734.773119 | 2843106.62974 |
| 33 | 292734.571963 | 2843108.36947 |
| 34 | 292734.301333 | 2843112.15711 |
| 35 | 292734.252933 | 2843113.89535 |
| 36 | 292734.272322 | 2843114.51759 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 37 | 292734.473854 | 2843118.82562 |
| 38 | 292734.627729 | 2843120.53588 |
| 39 | 292735.099154 | 2843124.07015 |
| 40 | 292735.284136 | 2843125.20582 |
| 41 | 292735.467285 | 2843126.0568 |
| 42 | 292736.112472 | 2843128.76739 |
| 43 | 292736.402068 | 2843129.84871 |
| 44 | 292737.435911 | 2843133.31768 |
| 45 | 292737.91818 | 2843134.7387 |
| 46 | 292738.313978 | 2843135.69976 |
| 47 | 292740.544867 | 2843140.74021 |
| 48 | 292741.671807 | 2843142.9157 |
| 49 | 292742.074955 | 2843143.56144 |
| 50 | 292746.041182 | 2843149.65094 |
| 51 | 292746.785708 | 2843150.71667 |
| 52 | 292747.597794 | 2843151.73162 |
| 53 | 292752.616596 | 2843157.60266 |
| 54 | 292752.700929 | 2843157.7007 |
| 55 | 292753.905779 | 2843158.97449 |
| 56 | 292763.639989 | 2843168.40105 |
| 57 | 292763.787118 | 2843168.54216 |
| 58 | 292765.43689 | 2843170.10756 |
| 59 | 292800.9157 | 2843156.75798 |
| 60 | 292805.739257 | 2843153.20045 |
| 61 | 292791.393494 | 2843139.58847 |
| 62 | 292782.41328 | 2843130.89183 |
| 63 | 292778.852592 | 2843126.7267 |
| 64 | 292776.475875 | 2843123.07741 |
| 65 | 292775.411356 | 2843120.67224 |
| 66 | 292774.900495 | 2843118.95838 |
| 67 | 292774.619462 | 2843117.77768 |
| 68 | 292774.395261 | 2843116.09681 |
| 69 | 292774.289108 | 2843113.82883 |
| 70 | 292774.404605 | 2843112.21202 |
| 71 | 292774.801325 | 2843109.91066 |
| 72 | 292775.494635 | 2843107.17426 |
| 73 | 292776.449779 | 2843104.3382 |
| 74 | 292777.453996 | 2843101.70705 |
| 75 | 292782.510007 | 2843091.08572 |
| 76 | 292798.361256 | 2843058.81673 |
| 77 | 292809.004604 | 2843036.86013 |
| 78 | 292809.677864 | 2843035.30704 |
| 79 | 292811.23521 | 2843031.25246 |
| 80 | 292811.463456 | 2843030.62715 |
| 81 | 292811.581235 | 2843030.27681 |
| 82 | 292812.661795 | 2843026.96005 |
| 83 | 292813.030697 | 2843025.68598 |
| 84 | 292813.932072 | 2843022.13553 |
| 85 | 292814.16751 | 2843021.09215 |
| 86 | 292814.902299 | 2843017.3747 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 87 | 292815.029932 | 2843016.66117 |
| 88 | 292815.202065 | 2843015.28215 |
| 89 | 292815.607057 | 2843010.76484 |
| 90 | 292815.684509 | 2843008.66609 |
| 91 | 292815.673531 | 2843008.24671 |
| 92 | 292815.475136 | 2843002.82599 |
| 93 | 292815.377902 | 2843001.45755 |
| 94 | 292815.187185 | 2843000.09895 |
| 95 | 292814.397808 | 2842995.60289 |
| 96 | 292814.338507 | 2842995.28084 |
| 97 | 292813.878059 | 2842993.38951 |
| 98 | 292812.664078 | 2842989.28426 |
| 99 | 292812.169616 | 2842987.82228 |
| 100 | 292811.96669 | 2842987.31182 |
| 101 | 292810.544052 | 2842983.87214 |
| 102 | 292809.886779 | 2842982.44439 |
| 103 | 292808.154067 | 2842979.03956 |
| 104 | 292807.491528 | 2842977.8411 |
| 105 | 292806.603215 | 2842976.48442 |
| 106 | 292803.489327 | 2842972.12565 |
| 107 | 292802.333354 | 2842970.65776 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 292720.660515 | 2842822.66149 |
| 2 | 292720.607722 | 2842821.89527 |
| 3 | 292706.424132 | 2842823.41294 |
| 4 | 292706.247062 | 2842823.58631 |
| 5 | 292705.686868 | 2842824.03734 |
| 6 | 292705.095777 | 2842824.4469 |
| 7 | 292698.166475 | 2842828.88754 |
| 8 | 292695.969658 | 2842830.78285 |
| 9 | 292695.292579 | 2842831.31782 |
| 10 | 292694.571847 | 2842831.79248 |
| 11 | 292693.80431 | 2842832.20739 |
| 12 | 292693.003558 | 2842832.55395 |
| 13 | 292692.815834 | 2842832.62346 |
| 14 | 292682.214806 | 2842836.42932 |
| 15 | 292682.391456 | 2842837.66696 |
| 16 | 292682.54451 | 2842838.58518 |
| 17 | 292685.822431 | 2842855.786 |
| 18 | 292686.278195 | 2842858.92409 |
| 19 | 292686.297883 | 2842860.52962 |
| 20 | 292685.988725 | 2842863.07745 |
| 21 | 292685.679254 | 2842864.612 |
| 22 | 292685.34859 | 2842865.60535 |
| 23 | 292684.333035 | 2842867.99102 |
| 24 | 292675.834683 | 2842885.8921 |
| 25 | 292675.41637 | 2842886.8353 |
| 26 | 292672.959429 | 2842892.78456 |
| 27 | 292672.53135 | 2842893.91736 |
| 28 | 292670.897813 | 2842898.70522 |
| 29 | 292670.35931 | 2842900.57769 |
| 30 | 292669.447955 | 2842904.44679 |
| 31 | 292669.269118 | 2842905.28659 |
| 32 | 292668.537415 | 2842909.12439 |
| 33 | 292668.435528 | 2842909.70548 |
| 34 | 292668.279037 | 2842910.91754 |
| 35 | 292667.882937 | 2842914.95558 |
| 36 | 292667.789875 | 2842917.22119 |
| 37 | 292667.794679 | 2842917.44754 |
| 38 | 292667.870617 | 2842920.26519 |
| 39 | 292667.938367 | 2842921.4564 |
| 40 | 292668.302337 | 2842925.64748 |
| 41 | 292668.587863 | 2842927.69791 |
| 42 | 292668.702525 | 2842928.25129 |
| 43 | 292669.563384 | 2842932.12986 |
| 44 | 292670.038374 | 2842933.88722 |
| 45 | 292671.353761 | 2842938.00114 |
| 46 | 292671.719151 | 2842939.0438 |
| 47 | 292672.134238 | 2842940.04821 |
| 48 | 292674.09665 | 2842944.45426 |
| 49 | 292675.204426 | 2842946.5864 |
| 50 | 292675.524667 | 2842947.10358 |
| 51 | 292678.245071 | 2842951.35109 |
| 52 | 292679.5178 | 2842953.1184 |
| 53 | 292682.361011 | 2842956.64458 |
| 54 | 292682.812265 | 2842957.18443 |
| 55 | 292684.280932 | 2842958.70901 |
| 56 | 292687.571964 | 2842961.78193 |
| 57 | 292688.650397 | 2842962.71916 |
| 58 | 292691.816958 | 2842965.26397 |
| 59 | 292692.965379 | 2842966.12098 |
| 60 | 292694.172166 | 2842966.89357 |
| 61 | 292699.430726 | 2842970.00011 |
| 62 | 292699.875904 | 2842970.25544 |
| 63 | 292701.565728 | 2842971.09442 |
| 64 | 292705.34145 | 2842972.75174 |
| 65 | 292706.054459 | 2842973.04833 |
| 66 | 292710.568958 | 2842974.82545 |
| 67 | 292711.36972 | 2842975.12116 |
| 68 | 292716.593069 | 2842976.91749 |
| 69 | 292718.259333 | 2842977.41054 |
| 70 | 292726.23066 | 2842979.3979 |
| 71 | 292739.517069 | 2842982.95635 |
| 72 | 292747.123303 | 2842985.07529 |
| 73 | 292750.52205 | 2842980.19527 |
| 74 | 292750.968154 | 2842979.60303 |
| 75 | 292751.403409 | 2842979.10233 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 76 | 292751.870918 | 2842978.63173 |
| 77 | 292754.69713 | 2842975.78063 |
| 78 | 292755.207607 | 2842975.50013 |
| 79 | 292755.868666 | 2842974.97468 |
| 80 | 292782.897355 | 2842955.29656 |
| 81 | 292781.950282 | 2842954.79087 |
| 82 | 292780.35247 | 2842954.02667 |
| 83 | 292775.675859 | 2842952.0393 |
| 84 | 292774.785524 | 2842951.68589 |
| 85 | 292770.795051 | 2842950.21138 |
| 86 | 292770.408951 | 2842950.07312 |
| 87 | 292769.230074 | 2842949.70518 |
| 88 | 292750.156588 | 2842944.39186 |
| 89 | 292749.963795 | 2842944.33916 |
| 90 | 292736.413757 | 2842940.71008 |
| 91 | 292736.07749 | 2842940.62316 |
| 92 | 292728.780482 | 2842938.80383 |
| 93 | 292724.815119 | 2842937.44026 |
| 94 | 292721.067975 | 2842935.96525 |
| 95 | 292718.744966 | 2842934.94553 |
| 96 | 292715.756552 | 2842933.18002 |
| 97 | 292714.332203 | 2842932.03543 |
| 98 | 292712.61636 | 2842930.4334 |
| 99 | 292711.345079 | 2842928.8567 |
| 100 | 292710.026715 | 2842926.79821 |
| 101 | 292709.124504 | 2842924.77298 |
| 102 | 292708.420816 | 2842922.57204 |
| 103 | 292708.04333 | 2842920.87105 |
| 104 | 292707.845226 | 2842918.59025 |
| 105 | 292707.819008 | 2842917.61793 |
| 106 | 292708.004686 | 2842915.72557 |
| 107 | 292708.485959 | 2842913.20136 |
| 108 | 292709.075382 | 2842910.69867 |
| 109 | 292710.175689 | 2842907.47327 |
| 110 | 292712.195367 | 2842902.58282 |
| 111 | 292716.22986 | 2842894.08454 |
| 112 | 292715.75026 | 2842893.62605 |
| 113 | 292712.255322 | 2842891.52286 |
| 114 | 292711.78091 | 2842891.37881 |
| 115 | 292708.761933 | 2842889.42065 |
| 116 | 292707.641521 | 2842888.03951 |
| 117 | 292706.521481 | 2842886.65906 |
| 118 | 292705.230881 | 2842884.18776 |
| 119 | 292704.737519 | 2842882.47952 |
| 120 | 292705.645958 | 2842879.64169 |
| 121 | 292706.402281 | 2842877.2795 |
| 122 | 292707.157647 | 2842874.91972 |
| 123 | 292708.213906 | 2842871.62007 |
| 124 | 292709.440067 | 2842869.40959 |
| 125 | 292712.704073 | 2842867.30506 |
| 126 | 292714.548346 | 2842864.77309 |
| 127 | 292716.091116 | 2842863.1824 |
| 128 | 292719.321996 | 2842859.53643 |
| 129 | 292722.422929 | 2842857.91121 |
| 130 | 292724.430437 | 2842856.46931 |
| 131 | 292726.160059 | 2842855.38852 |
| 132 | 292726.058127 | 2842854.48255 |
| 133 | 292725.348997 | 2842849.59998 |
| 134 | 292725.203025 | 2842848.73028 |
| 135 | 292721.929391 | 2842831.55201 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 292739.105366 | 2842433.99405 |
| 2 | 292739.035289 | 2842433.94752 |
| 3 | 292721.64923 | 2842468.33943 |
| 4 | 292720.220649 | 2842471.44438 |
| 5 | 292720.671775 | 2842472.19481 |
| 6 | 292721.597021 | 2842474.02277 |
| 7 | 292722.154162 | 2842475.62259 |
| 8 | 292722.664683 | 2842477.85047 |
| 9 | 292722.947554 | 2842480.18774 |
| 10 | 292722.900509 | 2842482.29637 |
| 11 | 292722.681132 | 2842484.15966 |
| 12 | 292722.019339 | 2842486.95048 |
| 13 | 292721.102858 | 2842489.70382 |
| 14 | 292719.915988 | 2842492.62821 |
| 15 | 292718.018276 | 2842496.59774 |
| 16 | 292714.625456 | 2842502.60466 |
| 17 | 292709.890096 | 2842510.83116 |
| 18 | 292709.758809 | 2842511.06272 |
| 19 | 292706.752104 | 2842516.45083 |
| 20 | 292706.094265 | 2842517.73829 |
| 21 | 292705.534851 | 2842519.06029 |
| 22 | 292703.90953 | 2842523.32123 |
| 23 | 292703.697671 | 2842523.90344 |
| 24 | 292703.270529 | 2842525.2995 |
| 25 | 292702.485471 | 2842528.24542 |
| 26 | 292702.222256 | 2842529.36059 |
| 27 | 292701.43064 | 2842533.2039 |
| 28 | 292701.271326 | 2842534.07439 |
| 29 | 292701.06914 | 2842535.82988 |
| 30 | 292700.738033 | 2842540.51545 |
| 31 | 292700.690729 | 2842542.23753 |
| 32 | 292700.733152 | 2842543.26451 |
| 33 | 292701.110054 | 2842548.87846 |
| 34 | 292701.386284 | 2842551.10841 |
| 35 | 292702.049933 | 2842554.76743 |
| 36 | 292702.089355 | 2842554.97868 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 37 | 292702.666196 | 2842557.24947 |
| 38 | 292703.983609 | 2842561.39953 |
| 39 | 292704.36173 | 2842562.48225 |
| 40 | 292704.531623 | 2842562.9123 |
| 41 | 292705.904321 | 2842566.27253 |
| 42 | 292706.422835 | 2842567.43477 |
| 43 | 292707.01412 | 2842568.56169 |
| 44 | 292709.686629 | 2842573.28282 |
| 45 | 292709.929558 | 2842573.70037 |
| 46 | 292710.498722 | 2842574.59644 |
| 47 | 292715.987073 | 2842582.7527 |
| 48 | 292721.213238 | 2842590.57703 |
| 49 | 292723.619028 | 2842594.87272 |
| 50 | 292724.909038 | 2842597.5534 |
| 51 | 292725.893896 | 2842599.76988 |
| 52 | 292726.330257 | 2842601.03167 |
| 53 | 292726.969305 | 2842603.8164 |
| 54 | 292727.223051 | 2842605.71156 |
| 55 | 292727.225714 | 2842608.43519 |
| 56 | 292726.796101 | 2842611.08834 |
| 57 | 292726.630225 | 2842611.81632 |
| 58 | 292725.649431 | 2842614.52722 |
| 59 | 292724.949378 | 2842616.01944 |
| 60 | 292723.676904 | 2842618.4173 |
| 61 | 292721.976892 | 2842621.04198 |
| 62 | 292719.816859 | 2842624.09718 |
| 63 | 292710.490063 | 2842635.89903 |
| 64 | 292704.211085 | 2842643.87532 |
| 65 | 292703.322673 | 2842645.09603 |
| 66 | 292700.804813 | 2842648.84535 |
| 67 | 292699.99302 | 2842650.16133 |
| 68 | 292697.725211 | 2842654.1772 |
| 69 | 292697.665563 | 2842654.28367 |
| 70 | 292697.090177 | 2842655.39794 |
| 71 | 292695.601535 | 2842658.51749 |
| 72 | 292694.900537 | 2842660.17415 |
| 73 | 292693.845955 | 2842663.01626 |
| 74 | 292693.685387 | 2842663.46562 |
| 75 | 292692.726557 | 2842666.20956 |
| 76 | 292692.101312 | 2842668.52058 |
| 77 | 292691.263369 | 2842672.40308 |
| 78 | 292691.065131 | 2842673.45784 |
| 79 | 292691.023255 | 2842673.73065 |
| 80 | 292690.585799 | 2842676.72475 |
| 81 | 292690.385803 | 2842678.97799 |
| 82 | 292690.243857 | 2842683.41366 |
| 83 | 292690.236255 | 2842684.36548 |
| 84 | 292690.278337 | 2842685.38788 |
| 85 | 292690.525662 | 2842689.08411 |
| 86 | 292690.651238 | 2842690.35284 |
| 87 | 292691.201179 | 2842694.54171 |
| 88 | 292691.380988 | 2842695.66381 |
| 89 | 292692.446021 | 2842701.28135 |
| 90 | 292692.772509 | 2842702.706 |
| 91 | 292695.475315 | 2842712.79078 |
| 92 | 292695.607651 | 2842713.26177 |
| 93 | 292700.88231 | 2842731.17819 |
| 94 | 292702.407522 | 2842736.96503 |
| 95 | 292702.903428 | 2842739.63859 |
| 96 | 292703.240896 | 2842742.91506 |
| 97 | 292703.23813 | 2842746.60772 |
| 98 | 292702.964028 | 2842750.54927 |
| 99 | 292702.621414 | 2842753.34297 |
| 100 | 292701.590674 | 2842757.29367 |
| 101 | 292700.455368 | 2842760.38946 |
| 102 | 292697.769197 | 2842765.90461 |
| 103 | 292693.738273 | 2842773.25311 |
| 104 | 292693.650853 | 2842773.41403 |
| 105 | 292689.448761 | 2842781.24385 |
| 106 | 292688.786558 | 2842782.59756 |
| 107 | 292686.892221 | 2842786.87158 |
| 108 | 292686.59604 | 2842787.57569 |
| 109 | 292685.158858 | 2842791.16425 |
| 110 | 292684.84083 | 2842792.03888 |
| 111 | 292684.721674 | 2842792.39342 |
| 112 | 292683.50253 | 2842796.13859 |
| 113 | 292683.141476 | 2842797.36304 |
| 114 | 292682.094419 | 2842801.46497 |
| 115 | 292681.770638 | 2842802.99373 |
| 116 | 292681.02273 | 2842807.28003 |
| 117 | 292680.976894 | 2842807.5537 |
| 118 | 292680.800791 | 2842808.97853 |
| 119 | 292680.42698 | 2842813.25878 |
| 120 | 292680.351575 | 2842814.87527 |
| 121 | 292680.345561 | 2842815.84769 |
| 122 | 292684.30911 | 2842814.42473 |
| 123 | 292685.637874 | 2842813.27835 |
| 124 | 292686.191223 | 2842812.8342 |
| 125 | 292686.774728 | 2842812.43035 |
| 126 | 292693.17478 | 2842808.32883 |
| 127 | 292694.228722 | 2842807.16193 |
| 128 | 292695.103399 | 2842806.30527 |
| 129 | 292695.787233 | 2842805.76332 |
| 130 | 292696.515556 | 2842805.28316 |
| 131 | 292697.283095 | 2842804.86825 |
| 132 | 292698.083939 | 2842804.52169 |
| 133 | 292698.911811 | 2842804.24635 |
| 134 | 292699.760604 | 2842804.04423 |
| 135 | 292700.587059 | 2842803.92079 |
| 136 | 292724.214841 | 2842801.39247 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 137 | 292725.054778 | 2842799.49755 |
| 138 | 292728.855291 | 2842792.41605 |
| 139 | 292733.077358 | 2842784.71917 |
| 140 | 292733.523319 | 2842783.85745 |
| 141 | 292736.867673 | 2842776.99047 |
| 142 | 292737.664098 | 2842775.11915 |
| 143 | 292739.481692 | 2842770.163 |
| 144 | 292739.602967 | 2842769.82258 |
| 145 | 292740.056788 | 2842768.32564 |
| 146 | 292741.667702 | 2842762.15115 |
| 147 | 292742.063631 | 2842760.26647 |
| 148 | 292742.166979 | 2842759.53587 |
| 149 | 292742.735996 | 2842754.89492 |
| 150 | 292742.83648 | 2842753.84826 |
| 151 | 292743.194708 | 2842748.69668 |
| 152 | 292743.24296 | 2842747.32398 |
| 153 | 292743.246921 | 2842741.91046 |
| 154 | 292743.244507 | 2842741.58273 |
| 155 | 292743.141691 | 2842739.84606 |
| 156 | 292742.615283 | 2842734.73541 |
| 157 | 292742.384956 | 2842733.13665 |
| 158 | 292741.606057 | 2842728.93751 |
| 159 | 292741.581051 | 2842728.80506 |
| 160 | 292741.281083 | 2842727.48803 |
| 161 | 292739.49354 | 2842720.70545 |
| 162 | 292739.339725 | 2842720.15427 |
| 163 | 292734.053575 | 2842702.19845 |
| 164 | 292731.607017 | 2842693.06964 |
| 165 | 292730.791867 | 2842688.76991 |
| 166 | 292730.39907 | 2842685.77763 |
| 167 | 292730.260374 | 2842683.70399 |
| 168 | 292730.334339 | 2842681.38834 |
| 169 | 292730.510375 | 2842680.18395 |
| 170 | 292730.959149 | 2842678.10401 |
| 171 | 292731.4428 | 2842676.68972 |
| 172 | 292732.093954 | 2842674.93469 |
| 173 | 292732.898699 | 2842673.2486 |
| 174 | 292734.446803 | 2842670.50701 |
| 175 | 292736.11285 | 2842668.02627 |
| 176 | 292741.899727 | 2842660.67505 |
| 177 | 292751.53476 | 2842648.48314 |
| 178 | 292752.174161 | 2842647.62817 |
| 179 | 292754.877869 | 2842643.80381 |
| 180 | 292755.333558 | 2842643.13069 |
| 181 | 292757.727035 | 2842639.43545 |
| 182 | 292758.415274 | 2842638.29071 |
| 183 | 292758.607238 | 2842637.93763 |
| 184 | 292760.516014 | 2842634.33683 |
| 185 | 292760.957909 | 2842633.45628 |
| 186 | 292762.255956 | 2842630.6895 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 187 | 292762.95635 | 2842628.99937 |
| 188 | 292764.668407 | 2842624.2677 |
| 189 | 292764.759989 | 2842624.00896 |
| 190 | 292765.361655 | 2842621.9065 |
| 191 | 292765.94253 | 2842619.35772 |
| 192 | 292766.185269 | 2842618.11083 |
| 193 | 292766.977893 | 2842613.21624 |
| 194 | 292767.170098 | 2842611.61328 |
| 195 | 292767.232455 | 2842610.01613 |
| 196 | 292767.22705 | 2842604.34904 |
| 197 | 292767.224628 | 2842604.0554 |
| 198 | 292767.050029 | 2842601.71205 |
| 199 | 292766.497605 | 2842597.58819 |
| 200 | 292766.314054 | 2842596.46316 |
| 201 | 292766.167956 | 2842595.77016 |
| 202 | 292765.081539 | 2842591.03589 |
| 203 | 292764.489702 | 2842588.97191 |
| 204 | 292763.423308 | 2842585.88862 |
| 205 | 292763.206392 | 2842585.29228 |
| 206 | 292762.798415 | 2842584.3038 |
| 207 | 292761.344302 | 2842581.03134 |
| 208 | 292761.089452 | 2842580.48074 |
| 209 | 292759.398963 | 2842576.96732 |
| 210 | 292758.826511 | 2842575.86641 |
| 211 | 292755.734175 | 2842570.34503 |
| 212 | 292755.446579 | 2842569.84846 |
| 213 | 292754.915691 | 2842569.00929 |
| 214 | 292749.215022 | 2842560.47445 |
| 215 | 292744.120692 | 2842552.90376 |
| 216 | 292742.4564 | 2842549.96345 |
| 217 | 292741.870705 | 2842548.5296 |
| 218 | 292741.184132 | 2842546.36695 |
| 219 | 292740.950137 | 2842545.07669 |
| 220 | 292740.740956 | 2842541.95967 |
| 221 | 292740.681215 | 2842539.97394 |
| 222 | 292741.289369 | 2842537.9926 |
| 223 | 292741.6587 | 2842536.60661 |
| 224 | 292742.396806 | 2842534.67143 |
| 225 | 292744.629053 | 2842530.67157 |
| 226 | 292749.340072 | 2842522.48732 |
| 227 | 292749.42102 | 2842522.34544 |
| 228 | 292753.187021 | 2842515.67776 |
| 229 | 292753.247374 | 2842515.57009 |
| 230 | 292753.816824 | 2842514.46818 |
| 231 | 292756.268827 | 2842509.33918 |
| 232 | 292756.756603 | 2842508.23436 |
| 233 | 292758.413016 | 2842504.15321 |
| 234 | 292758.779819 | 2842503.17734 |
| 235 | 292758.85777 | 2842502.94771 |
| 236 | 292760.256734 | 2842498.74472 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 237 | 292760.740689 | 2842497.04293 |
| 238 | 292761.874021 | 2842492.2639 |
| 239 | 292762.161714 | 2842490.81361 |
| 240 | 292762.276484 | 2842489.98737 |
| 241 | 292762.742361 | 2842486.03106 |
| 242 | 292762.874596 | 2842484.13825 |
| 243 | 292762.974668 | 2842479.65012 |
| 244 | 292762.977258 | 2842478.8914 |
| 245 | 292762.834777 | 2842476.80048 |
| 246 | 292762.254024 | 2842472.0023 |
| 247 | 292762.038353 | 2842470.62485 |
| 248 | 292761.893713 | 2842469.9385 |
| 249 | 292760.903395 | 2842465.61629 |
| 250 | 292760.295912 | 2842463.50483 |
| 251 | 292758.937156 | 2842459.60335 |
| 252 | 292758.734329 | 2842459.04776 |
| 253 | 292757.893756 | 2842457.14832 |
| 254 | 292756.037028 | 2842453.47994 |
| 255 | 292755.344606 | 2842452.22574 |
| 256 | 292753.496524 | 2842449.15107 |
| 257 | 292752.312852 | 2842447.3987 |
| 258 | 292750.461515 | 2842444.94782 |
| 259 | 292749.621124 | 2842443.9095 |
| 260 | 292749.269552 | 2842443.51428 |
| 261 | 292746.055154 | 2842439.99528 |
| 262 | 292744.425472 | 2842438.40345 |
| 263 | 292741.177422 | 2842435.57399 |
| 264 | 292740.654939 | 2842435.1343 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 292346.667552 | 2842651.09517 |
| 2 | 292351.335969 | 2842648.13674 |
| 3 | 292353.960491 | 2842646.81058 |
| 4 | 292357.048066 | 2842645.60563 |
| 5 | 292360.695997 | 2842644.49645 |
| 6 | 292365.714132 | 2842643.64773 |
| 7 | 292370.511499 | 2842643.13423 |
| 8 | 292381.150538 | 2842642.8629 |
| 9 | 292395.54011 | 2842642.51023 |
| 10 | 292396.523337 | 2842642.46205 |
| 11 | 292403.975353 | 2842641.91178 |
| 12 | 292404.882828 | 2842641.82382 |
| 13 | 292410.976105 | 2842641.09353 |
| 14 | 292412.377006 | 2842640.87507 |
| 15 | 292412.978865 | 2842640.74955 |
| 16 | 292419.316206 | 2842639.32622 |
| 17 | 292421.410265 | 2842638.73467 |
| 18 | 292428.905593 | 2842636.1692 |
| 19 | 292429.562854 | 2842635.9314 |
| 20 | 292431.839481 | 2842634.89463 |
| 21 | 292438.341506 | 2842631.42779 |
| 22 | 292439.201464 | 2842630.94166 |
| 23 | 292439.904598 | 2842630.50075 |
| 24 | 292448.096392 | 2842625.12508 |
| 25 | 292449.484366 | 2842624.12683 |
| 26 | 292460.089723 | 2842615.78951 |
| 27 | 292460.474325 | 2842615.47934 |
| 28 | 292503.169404 | 2842580.17412 |
| 29 | 292533.627739 | 2842555.31981 |
| 30 | 292543.115796 | 2842548.55516 |
| 31 | 292551.645635 | 2842542.8772 |
| 32 | 292567.49034 | 2842533.55185 |
| 33 | 292599.584987 | 2842516.02136 |
| 34 | 292643.654053 | 2842492.15849 |
| 35 | 292689.42394 | 2842467.42769 |
| 36 | 292694.139983 | 2842465.29499 |
| 37 | 292698.166202 | 2842463.8305 |
| 38 | 292700.620484 | 2842463.18583 |
| 39 | 292702.096649 | 2842462.98049 |
| 40 | 292703.554921 | 2842459.81108 |
| 41 | 292703.714985 | 2842459.47942 |
| 42 | 292721.086736 | 2842425.11571 |
| 43 | 292720.475395 | 2842424.93582 |
| 44 | 292716.681461 | 2842424.01183 |
| 45 | 292715.113162 | 2842423.69573 |
| 46 | 292714.64351 | 2842423.62613 |
| 47 | 292709.521936 | 2842422.92978 |
| 48 | 292708.021298 | 2842422.76293 |
| 49 | 292706.51386 | 2842422.74979 |
| 50 | 292706.319956 | 2842422.75362 |
| 51 | 292700.84789 | 2842422.89238 |
| 52 | 292698.597975 | 2842423.07663 |
| 53 | 292693.931419 | 2842423.72609 |
| 54 | 292692.907004 | 2842423.89577 |
| 55 | 292691.607153 | 2842424.19114 |
| 56 | 292687.114769 | 2842425.37093 |
| 57 | 292685.358084 | 2842425.91989 |
| 58 | 292679.751925 | 2842427.95898 |
| 59 | 292679.454854 | 2842428.06966 |
| 60 | 292678.347138 | 2842428.53104 |
| 61 | 292672.295334 | 2842431.26781 |
| 62 | 292671.028763 | 2842431.8955 |
| 63 | 292624.615053 | 2842456.97425 |
| 64 | 292580.466023 | 2842480.68039 |
| 65 | 292548.030451 | 2842498.59712 |
| 66 | 292547.473463 | 2842498.91317 |
| 67 | 292530.876595 | 2842508.68103 |
| 68 | 292530.751069 | 2842508.75544 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 69 | 292529.938192 | 2842509.26882 |
| 70 | 292520.681061 | 2842515.43104 |
| 71 | 292520.152818 | 2842515.79507 |
| 72 | 292509.873703 | 2842523.1238 |
| 73 | 292508.839576 | 2842523.91301 |
| 74 | 292477.827606 | 2842549.21901 |
| 75 | 292477.726953 | 2842549.30171 |
| 76 | 292435.172233 | 2842584.491 |
| 77 | 292425.432469 | 2842592.14789 |
| 78 | 292418.716064 | 2842596.55535 |
| 79 | 292414.432652 | 2842598.83914 |
| 80 | 292409.486861 | 2842600.53208 |
| 81 | 292405.205685 | 2842601.49351 |
| 82 | 292400.574831 | 2842602.04854 |
| 83 | 292394.06749 | 2842602.52911 |
| 84 | 292380.15988 | 2842602.86974 |
| 85 | 292368.678931 | 2842603.16262 |
| 86 | 292367.060021 | 2842603.26989 |
| 87 | 292360.850658 | 2842603.93456 |
| 88 | 292359.643985 | 2842604.10095 |
| 89 | 292352.764473 | 2842605.26452 |
| 90 | 292352.318667 | 2842605.34515 |
| 91 | 292350.2813 | 2842605.84942 |
| 92 | 292344.674897 | 2842607.55413 |
| 93 | 292343.358898 | 2842608.00475 |
| 94 | 292343.222469 | 2842608.05741 |
| 95 | 292338.52432 | 2842609.8908 |
| 96 | 292336.773932 | 2842610.6724 |
| 97 | 292332.426774 | 2842612.86902 |
| 98 | 292331.176993 | 2842613.55778 |
| 99 | 292330.741351 | 2842613.8261 |
| 100 | 292324.794255 | 2842617.59472 |
| 101 | 292323.893979 | 2842618.20018 |
| 102 | 292317.224819 | 2842622.95205 |
| 103 | 292316.267652 | 2842623.67829 |
| 104 | 292304.970401 | 2842632.7982 |
| 105 | 292302.717304 | 2842634.28168 |
| 106 | 292301.456272 | 2842634.96105 |
| 107 | 292299.823302 | 2842635.65781 |
| 108 | 292296.527091 | 2842636.52532 |
| 109 | 292233.411162 | 2842648.40846 |
| 110 | 292226.237254 | 2842649.68395 |
| 111 | 292226.014226 | 2842649.72491 |
| 112 | 292216.736169 | 2842651.48342 |
| 113 | 292211.549119 | 2842652.086 |
| 114 | 292207.844533 | 2842652.13768 |
| 115 | 292203.305181 | 2842651.61587 |
| 116 | 292201.068635 | 2842651.01442 |
| 117 | 292199.308498 | 2842650.28014 |
| 118 | 292196.947477 | 2842648.97299 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 119 | 292194.92005 | 2842647.44895 |
| 120 | 292192.942154 | 2842645.28843 |
| 121 | 292191.633569 | 2842643.52092 |
| 122 | 292190.357787 | 2842641.04056 |
| 123 | 292189.491283 | 2842638.70716 |
| 124 | 292188.862566 | 2842636.20291 |
| 125 | 292188.261374 | 2842631.3642 |
| 126 | 292188.365554 | 2842623.21575 |
| 127 | 292188.735175 | 2842614.5809 |
| 128 | 292191.608322 | 2842563.72891 |
| 129 | 292192.105045 | 2842554.36509 |
| 130 | 292186.648051 | 2842553.91895 |
| 131 | 292184.452154 | 2842554.08581 |
| 132 | 292183.770204 | 2842554.2983 |
| 133 | 292182.685648 | 2842554.57081 |
| 134 | 292181.843314 | 2842554.69603 |
| 135 | 292159.176778 | 2842557.08585 |
| 136 | 292158.226352 | 2842557.69469 |
| 137 | 292157.96736 | 2842557.85511 |
| 138 | 292157.19982 | 2842558.27005 |
| 139 | 292156.399061 | 2842558.61655 |
| 140 | 292155.571091 | 2842558.89192 |
| 141 | 292154.823496 | 2842559.06996 |
| 142 | 292151.684676 | 2842561.1308 |
| 143 | 292151.662575 | 2842561.54701 |
| 144 | 292148.785639 | 2842612.46445 |
| 145 | 292148.772127 | 2842612.73732 |
| 146 | 292148.383998 | 2842621.80277 |
| 147 | 292148.367391 | 2842622.40236 |
| 148 | 292148.241795 | 2842632.21879 |
| 149 | 292148.242594 | 2842632.7882 |
| 150 | 292148.39283 | 2842634.94129 |
| 151 | 292149.313655 | 2842642.35248 |
| 152 | 292149.521821 | 2842643.66765 |
| 153 | 292149.763194 | 2842644.75669 |
| 154 | 292150.957174 | 2842649.51246 |
| 155 | 292151.606354 | 2842651.60511 |
| 156 | 292153.271682 | 2842656.08961 |
| 157 | 292153.336317 | 2842656.2612 |
| 158 | 292154.235289 | 2842658.27489 |
| 159 | 292156.801585 | 2842663.26457 |
| 160 | 292157.425358 | 2842664.38737 |
| 161 | 292158.513187 | 2842666.01792 |
| 162 | 292161.409514 | 2842669.92994 |
| 163 | 292162.366157 | 2842671.12386 |
| 164 | 292162.732258 | 2842671.53488 |
| 165 | 292166.665358 | 2842675.83096 |
| 166 | 292167.697171 | 2842676.87781 |
| 167 | 292168.803065 | 2842677.84636 |
| 168 | 292169.39948 | 2842678.31267 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 169 | 292174.021405 | 2842681.78706 |
| 170 | 292175.141281 | 2842682.57043 |
| 171 | 292176.331891 | 2842683.28653 |
| 172 | 292180.897259 | 2842685.81448 |
| 173 | 292182.885253 | 2842686.77589 |
| 174 | 292186.891428 | 2842688.44701 |
| 175 | 292188.046653 | 2842688.88741 |
| 176 | 292189.398152 | 2842689.30262 |
| 177 | 292194.35093 | 2842690.63443 |
| 178 | 292196.38087 | 2842691.0689 |
| 179 | 292197.261186 | 2842691.18984 |
| 180 | 292204.553166 | 2842692.02806 |
| 181 | 292205.832178 | 2842692.13358 |
| 182 | 292207.115317 | 2842692.15682 |
| 183 | 292213.140685 | 2842692.07316 |
| 184 | 292215.153087 | 2842691.94177 |
| 185 | 292222.065468 | 2842691.13875 |
| 186 | 292223.482287 | 2842690.92242 |
| 187 | 292233.345337 | 2842689.053 |
| 188 | 292240.509767 | 2842687.77906 |
| 189 | 292240.708754 | 2842687.74256 |
| 190 | 292304.669906 | 2842675.7005 |
| 191 | 292306.019229 | 2842675.39475 |
| 192 | 292311.419287 | 2842673.97378 |
| 193 | 292313.463457 | 2842673.31653 |
| 194 | 292314.179954 | 2842673.02707 |
| 195 | 292317.994657 | 2842671.39904 |
| 196 | 292319.630623 | 2842670.61136 |
| 197 | 292322.467781 | 2842669.08285 |
| 198 | 292323.251905 | 2842668.63727 |
| 199 | 292323.980217 | 2842668.17971 |
| 200 | 292327.780063 | 2842665.67794 |
| 201 | 292329.344557 | 2842664.53551 |
| 202 | 292340.929553 | 2842655.18359 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 292185.919517 | 2842533.91411 |
| 2 | 292186.520387 | 2842533.88655 |
| 3 | 292187.492148 | 2842533.91856 |
| 4 | 292193.165061 | 2842534.38234 |
| 5 | 292193.699554 | 2842524.30539 |
| 6 | 292193.710058 | 2842524.0825 |
| 7 | 292194.376081 | 2842508.12669 |
| 8 | 292194.393106 | 2842506.97653 |
| 9 | 292194.314138 | 2842505.48692 |
| 10 | 292193.56825 | 2842497.24626 |
| 11 | 292193.289009 | 2842495.26759 |
| 12 | 292193.250857 | 2842495.07456 |
| 13 | 292192.205283 | 2842489.91774 |
| 14 | 292191.916354 | 2842488.69232 |
| 15 | 292190.785439 | 2842484.49154 |
| 16 | 292190.1838 | 2842482.62635 |
| 17 | 292188.057765 | 2842476.99556 |
| 18 | 292187.345093 | 2842475.34588 |
| 19 | 292184.507669 | 2842469.51297 |
| 20 | 292183.684218 | 2842467.99129 |
| 21 | 292183.433755 | 2842467.58403 |
| 22 | 292168.900725 | 2842444.56571 |
| 23 | 292168.72894 | 2842444.29844 |
| 24 | 292143.650858 | 2842405.94214 |
| 25 | 292142.948692 | 2842405.9081 |
| 26 | 292140.886927 | 2842405.80807 |
| 27 | 292136.284767 | 2842405.46285 |
| 28 | 292135.330556 | 2842405.17297 |
| 29 | 292133.421914 | 2842404.59319 |
| 30 | 292131.513275 | 2842404.01362 |
| 31 | 292128.495197 | 2842403.62344 |
| 32 | 292124.677549 | 2842402.46381 |
| 33 | 292121.181221 | 2842401.92836 |
| 34 | 292118.794963 | 2842401.2035 |
| 35 | 292118.317711 | 2842401.05851 |
| 36 | 292114.499608 | 2842399.89878 |
| 37 | 292112.11335 | 2842399.17393 |
| 38 | 292109.24984 | 2842398.30418 |
| 39 | 292107.340832 | 2842397.72422 |
| 40 | 292102.090971 | 2842396.12962 |
| 41 | 292098.750208 | 2842395.11489 |
| 42 | 292094.932188 | 2842393.95497 |
| 43 | 292093.659176 | 2842393.04175 |
| 44 | 292090.477878 | 2842391.54877 |
| 45 | 292086.979346 | 2842389.43322 |
| 46 | 292086.514942 | 2842388.98468 |
| 47 | 292088.201928 | 2842392.57831 |
| 48 | 292088.817972 | 2842393.78305 |
| 49 | 292091.009075 | 2842397.73202 |
| 50 | 292091.336005 | 2842398.29922 |
| 51 | 292091.454475 | 2842398.49478 |
| 52 | 292098.158033 | 2842409.41136 |
| 53 | 292098.447295 | 2842409.86833 |
| 54 | 292107.788438 | 2842424.19622 |
| 55 | 292135.156881 | 2842466.05542 |
| 56 | 292149.016761 | 2842488.00738 |
| 57 | 292150.968914 | 2842492.0206 |
| 58 | 292152.410709 | 2842495.83901 |
| 59 | 292153.123016 | 2842498.48486 |
| 60 | 292153.824912 | 2842501.94704 |
| 61 | 292154.35241 | 2842507.77519 |
| 62 | 292153.744252 | 2842522.29902 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 63 | 292152.921793 | 2842537.80652 |
| 64 | 292153.035161 | 2842537.76886 |
| 65 | 292153.883877 | 2842537.56681 |
| 66 | 292154.72612 | 2842537.4415 |
| 67 | 292178.763246 | 2842534.90731 |
| 68 | 292179.586278 | 2842534.65086 |
| 69 | 292180.670833 | 2842534.37824 |
| 70 | 292181.804241 | 2842534.22664 |

POLÍGONO: Ejido San José del Barranco_4

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 286634.521211 | 2843241.34577 |
| 2 | 286635.661077 | 2843241.09522 |
| 3 | 286637.432993 | 2843241.53809 |
| 4 | 286638.95178 | 2843241.91776 |
| 5 | 286639.711173 | 2843242.10755 |
| 6 | 286641.736219 | 2843242.61361 |
| 7 | 286643.064079 | 2843243.74849 |
| 8 | 286643.506668 | 2843244.12674 |
| 9 | 286645.023898 | 2843245.57668 |
| 10 | 286645.213446 | 2843245.89164 |
| 11 | 286645.781914 | 2843246.83672 |
| 12 | 286646.603512 | 2843247.8451 |
| 13 | 286648.184411 | 2843249.04317 |
| 14 | 286648.373961 | 2843249.35823 |
| 15 | 286650.20799 | 2843250.6196 |
| 16 | 286651.472267 | 2843252.00624 |
| 17 | 286652.421028 | 2843252.51109 |
| 18 | 286652.736364 | 2843253.39288 |
| 19 | 286653.557961 | 2843254.40126 |
| 20 | 286654.694803 | 2843256.29133 |
| 21 | 286654.819124 | 2843257.92852 |
| 22 | 286654.437274 | 2843259.43912 |
| 23 | 286654.055334 | 2843260.94971 |
| 24 | 286653.609813 | 2843262.71208 |
| 25 | 286653.227873 | 2843264.22267 |
| 26 | 286653.001628 | 2843265.11736 |
| 27 | 286663.757892 | 2843259.73389 |
| 28 | 286664.167432 | 2843259.523 |
| 29 | 286673.19587 | 2843254.74118 |
| 30 | 286674.112386 | 2843254.22435 |
| 31 | 286674.536199 | 2843253.9633 |
| 32 | 286686.834354 | 2843246.17448 |
| 33 | 286687.922005 | 2843245.43436 |
| 34 | 286688.958688 | 2843244.62439 |
| 35 | 286702.313011 | 2843233.46418 |
| 36 | 286702.588528 | 2843233.22953 |
| 37 | 286703.825336 | 2843232.06176 |
| 38 | 286714.223106 | 2843221.37109 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 39 | 286715.170313 | 2843220.32578 |
| 40 | 286724.241325 | 2843209.57763 |
| 41 | 286724.482785 | 2843209.28593 |
| 42 | 286725.644112 | 2843207.7031 |
| 43 | 286735.914703 | 2843192.15802 |
| 44 | 286736.730195 | 2843190.81127 |
| 45 | 286752.01794 | 2843163.00898 |
| 46 | 286740.507365 | 2843156.26616 |
| 47 | 286713.818873 | 2843149.44842 |
| 48 | 286702.088256 | 2843170.78147 |
| 49 | 286692.911561 | 2843184.67108 |
| 50 | 286685.051395 | 2843193.98441 |
| 51 | 286675.866313 | 2843203.42819 |
| 52 | 286664.315185 | 2843213.08147 |
| 53 | 286653.786075 | 2843219.75007 |
| 54 | 286645.647416 | 2843224.06055 |
| 55 | 286626.254501 | 2843233.76672 |
| 56 | 286535.355414 | 2843278.67256 |
| 57 | 286536.012847 | 2843279.00729 |
| 58 | 286536.756224 | 2843279.46422 |
| 59 | 286537.456912 | 2843279.98422 |
| 60 | 286538.109609 | 2843280.56319 |
| 61 | 286538.709369 | 2843281.19693 |
| 62 | 286539.251599 | 2843281.88043 |
| 63 | 286539.732244 | 2843282.60877 |
| 64 | 286540.147511 | 2843283.37614 |
| 65 | 286540.494324 | 2843284.17669 |
| 66 | 286540.724871 | 2843284.85066 |
| 67 | 286540.906805 | 2843285.53937 |
| 68 | 286544.334818 | 2843300.67668 |
| 69 | 286544.400642 | 2843300.99054 |
| 70 | 286544.528407 | 2843301.85372 |
| 71 | 286544.580445 | 2843302.7246 |
| 72 | 286544.563082 | 2843303.49684 |
| 73 | 286544.486065 | 2843304.26556 |
| 74 | 286542.721974 | 2843316.93142 |
| 75 | 286543.311726 | 2843319.15877 |
| 76 | 286549.922252 | 2843316.09166 |
| 77 | 286550.363476 | 2843315.88035 |
| 78 | 286633.302647 | 2843274.90679 |
| 79 | 286633.590267 | 2843273.76924 |
| 80 | 286633.908533 | 2843272.51041 |
| 81 | 286634.354051 | 2843270.74804 |
| 82 | 286634.735989 | 2843269.23745 |
| 83 | 286635.117836 | 2843267.72685 |
| 84 | 286635.625562 | 2843266.78308 |
| 85 | 286636.387973 | 2843264.83224 |
| 86 | 286636.959369 | 2843263.63661 |
| 87 | 286637.277637 | 2843262.37768 |
| 88 | 286636.96239 | 2843261.49598 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 89 | 286635.63444 | 2843260.36112 |
| 90 | 286635.381311 | 2843260.29792 |
| 91 | 286634.496131 | 2843259.54131 |
| 92 | 286633.294148 | 2843258.97316 |
| 93 | 286631.775274 | 2843258.59359 |
| 94 | 286629.813902 | 2843257.83576 |
| 95 | 286628.29521 | 2843257.45629 |
| 96 | 286627.029465 | 2843257.13991 |
| 97 | 286626.017032 | 2843256.88683 |
| 98 | 286625.25755 | 2843256.69705 |
| 99 | 286622.789916 | 2843255.81273 |
| 100 | 286621.587932 | 2843255.24459 |
| 101 | 286620.575409 | 2843254.99151 |
| 102 | 286618.867076 | 2843254.29698 |
| 103 | 286618.9323 | 2843252.97485 |
| 104 | 286619.250477 | 2843251.71612 |
| 105 | 286619.821872 | 2843250.52048 |
| 106 | 286621.026782 | 2843248.9479 |
| 107 | 286622.040859 | 2843248.13062 |
| 108 | 286623.118429 | 2843247.06167 |
| 109 | 286624.132505 | 2843246.24429 |
| 110 | 286625.146492 | 2843245.42701 |
| 111 | 286626.730414 | 2843244.48456 |
| 112 | 286627.93395 | 2843243.98224 |
| 113 | 286629.201069 | 2843243.22825 |
| 114 | 286630.404516 | 2843242.72594 |
| 115 | 286631.291253 | 2843242.41229 |
| 116 | 286633.064543 | 2843241.7848 |

POLÍGONO: Ejido San José del Barranco_40

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 291959.856305 | 2842120.41569 |
| 2 | 291961.116244 | 2842118.29998 |
| 3 | 291960.885285 | 2842118.35971 |
| 4 | 291958.819934 | 2842118.26445 |
| 5 | 291957.233937 | 2842118.31504 |
| 6 | 291955.794614 | 2842117.87781 |
| 7 | 291953.248465 | 2842117.63682 |
| 8 | 291949.741981 | 2842117.10416 |
| 9 | 291947.046898 | 2842117.35083 |
| 10 | 291945.126953 | 2842116.76757 |
| 11 | 291942.578633 | 2842116.52642 |
| 12 | 291940.509846 | 2842116.43092 |
| 13 | 291936.702247 | 2842116.87383 |
| 14 | 291935.261563 | 2842116.43622 |
| 15 | 291932.081072 | 2842116.53694 |
| 16 | 291929.679418 | 2842115.80747 |
| 17 | 291926.977471 | 2842116.05416 |
| 18 | 291925.235592 | 2842116.59272 |
| 19 | 291922.531663 | 2842116.83963 |
| 20 | 291920.788077 | 2842117.37872 |
| 21 | 291917.779642 | 2842118.60365 |
| 22 | 291917.109136 | 2842119.06909 |
| 23 | 291915.841534 | 2842123.75794 |
| 24 | 291915.419032 | 2842125.69888 |
| 25 | 291914.452918 | 2842131.51368 |
| 26 | 291914.267252 | 2842132.99827 |
| 27 | 291914.193882 | 2842134.43426 |
| 28 | 291914.097171 | 2842140.86316 |
| 29 | 291914.097333 | 2842141.47783 |
| 30 | 291914.256686 | 2842143.70322 |
| 31 | 291915.119258 | 2842150.44314 |
| 32 | 291915.31828 | 2842151.68611 |
| 33 | 291915.71156 | 2842153.34458 |
| 34 | 291917.396679 | 2842159.30673 |
| 35 | 291917.95858 | 2842161.00153 |
| 36 | 291918.287872 | 2842161.81054 |
| 37 | 291920.372867 | 2842166.62866 |
| 38 | 291920.931617 | 2842167.81187 |
| 39 | 291921.570404 | 2842168.96243 |
| 40 | 291925.197123 | 2842175.01241 |
| 41 | 291926.256472 | 2842176.60214 |
| 42 | 291929.256994 | 2842180.66964 |
| 43 | 291930.234357 | 2842181.89152 |
| 44 | 291931.011323 | 2842182.73816 |
| 45 | 291936.180266 | 2842188.0552 |
| 46 | 291937.620968 | 2842189.39808 |
| 47 | 291942.357252 | 2842193.39579 |
| 48 | 291942.643526 | 2842193.63287 |
| 49 | 291943.50117 | 2842194.29218 |
| 50 | 291966.47407 | 2842210.98423 |
| 51 | 291966.591527 | 2842211.06899 |
| 52 | 292031.983517 | 2842257.86299 |
| 53 | 292051.849835 | 2842272.1424 |
| 54 | 292060.489959 | 2842279.30617 |
| 55 | 292065.556098 | 2842284.52462 |
| 56 | 292069.315784 | 2842289.35107 |
| 57 | 292072.925805 | 2842295.17174 |
| 58 | 292074.876719 | 2842299.19513 |
| 59 | 292077.502334 | 2842305.95833 |
| 60 | 292078.89236 | 2842310.76324 |
| 61 | 292080.078953 | 2842318.04579 |
| 62 | 292080.429621 | 2842323.60554 |
| 63 | 292080.230409 | 2842332.16926 |
| 64 | 292082.146327 | 2842329.18065 |
| 65 | 292083.249549 | 2842327.45975 |
| 66 | 292084.038397 | 2842325.13169 |
| 67 | 292086.709904 | 2842323.37822 |
| 68 | 292090.320062 | 2842318.84112 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 69 | 292092.983253 | 2842315.56067 |
| 70 | 292094.391887 | 2842314.45682 |
| 71 | 292097.67398 | 2842310.86392 |
| 72 | 292099.39046 | 2842308.83912 |
| 73 | 292101.263731 | 2842307.88166 |
| 74 | 292103.445826 | 2842306.00233 |
| 75 | 292104.538141 | 2842305.82606 |
| 76 | 292107.03124 | 2842304.55195 |
| 77 | 292110.298855 | 2842302.50054 |
| 78 | 292112.947619 | 2842302.2912 |
| 79 | 292117.593963 | 2842300.58631 |
| 80 | 292115.685236 | 2842293.98815 |
| 81 | 292115.137132 | 2842292.35941 |
| 82 | 292111.876357 | 2842283.96015 |
| 83 | 292111.228058 | 2842282.4722 |
| 84 | 292108.469763 | 2842276.76347 |
| 85 | 292107.635279 | 2842275.23893 |
| 86 | 292107.470208 | 2842274.96817 |
| 87 | 292102.750796 | 2842267.35843 |
| 88 | 292101.531752 | 2842265.60866 |
| 89 | 292096.445124 | 2842259.07896 |
| 90 | 292095.784794 | 2842258.27523 |
| 91 | 292095.014637 | 2842257.43565 |
| 92 | 292088.438028 | 2842250.66373 |
| 93 | 292086.85788 | 2842249.20284 |
| 94 | 292076.855731 | 2842240.90769 |
| 95 | 292076.702228 | 2842240.78154 |
| 96 | 292075.761113 | 2842240.06194 |
| 97 | 292055.304328 | 2842225.35825 |
| 98 | 291989.925704 | 2842178.57359 |
| 99 | 291967.60479 | 2842162.3551 |
| 100 | 291964.178064 | 2842159.46274 |
| 101 | 291960.643319 | 2842155.82675 |
| 102 | 291959.018181 | 2842153.62365 |
| 103 | 291956.564121 | 2842149.52994 |
| 104 | 291955.531657 | 2842147.14414 |
| 105 | 291954.612576 | 2842143.89255 |
| 106 | 291954.119498 | 2842140.03964 |
| 107 | 291954.172257 | 2842136.53542 |
| 108 | 291954.720228 | 2842133.2381 |
| 109 | 291955.629879 | 2842129.87292 |
| 110 | 291957.158354 | 2842125.86193 |

POLÍGONO: Ejido San José del Barranco_41

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 292012.662812 | 2842025.81646 |
| 2 | 292013.265759 | 2842023.71434 |
| 3 | 292014.931161 | 2842016.42654 |
| 4 | 292015.182081 | 2842015.13456 |
| 5 | 292015.20252 | 2842015.00409 |
| 6 | 292016.304308 | 2842007.82339 |
| 7 | 292016.526726 | 2842005.38761 |
| 8 | 292016.798852 | 2841996.28611 |
| 9 | 292016.805329 | 2841995.37466 |
| 10 | 292016.746758 | 2841994.12729 |
| 11 | 292016.071235 | 2841985.49737 |
| 12 | 292015.762518 | 2841983.23037 |
| 13 | 292014.349756 | 2841976.07435 |
| 14 | 292013.986309 | 2841974.54984 |
| 15 | 292012.446366 | 2841969.05598 |
| 16 | 292011.878922 | 2841967.33556 |
| 17 | 292009.453939 | 2841960.96794 |
| 18 | 292008.846991 | 2841959.54431 |
| 19 | 292005.666974 | 2841952.81931 |
| 20 | 292004.762438 | 2841951.12262 |
| 21 | 292000.571453 | 2841944.09707 |
| 22 | 291999.249181 | 2841942.1533 |
| 23 | 291994.328654 | 2841935.76273 |
| 24 | 291993.59918 | 2841934.87 |
| 25 | 291992.649594 | 2841933.84798 |
| 26 | 291985.798525 | 2841926.97188 |
| 27 | 291984.339635 | 2841925.64523 |
| 28 | 291978.33387 | 2841920.70254 |
| 29 | 291978.238459 | 2841920.62451 |
| 30 | 291976.985394 | 2841919.68518 |
| 31 | 291961.218278 | 2841908.80237 |
| 32 | 291960.893989 | 2841908.58304 |
| 33 | 291923.71308 | 2841883.98027 |
| 34 | 291918.387893 | 2841879.76289 |
| 35 | 291914.976314 | 2841876.13723 |
| 36 | 291913.200661 | 2841873.82857 |
| 37 | 291911.911074 | 2841871.94907 |
| 38 | 291911.298558 | 2841870.79311 |
| 39 | 291909.678121 | 2841866.50346 |
| 40 | 291909.216504 | 2841864.80649 |
| 41 | 291908.555524 | 2841860.07795 |
| 42 | 291908.143872 | 2841851.97635 |
| 43 | 291910.462782 | 2841779.09737 |
| 44 | 291910.52311 | 2841777.8313 |
| 45 | 291910.541226 | 2841776.89077 |
| 46 | 291912.422099 | 2841715.84488 |
| 47 | 291911.872296 | 2841715.54387 |
| 48 | 291909.425474 | 2841714.80076 |
| 49 | 291907.153664 | 2841713.55692 |
| 50 | 291904.88231 | 2841712.31338 |
| 51 | 291901.143823 | 2841710.62428 |
| 52 | 291897.406154 | 2841708.93556 |
| 53 | 291893.669212 | 2841707.24723 |
| 54 | 291890.245415 | 2841706.20723 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 55 | 291887.799949 | 2841705.46439 |
| 56 | 291885.843469 | 2841704.87025 |
| 57 | 291884.865318 | 2841704.57308 |
| 58 | 291881.441519 | 2841703.53308 |
| 59 | 291877.839705 | 2841702.99236 |
| 60 | 291874.0587 | 2841702.95073 |
| 61 | 291872.988493 | 2841702.75496 |
| 62 | 291872.694602 | 2841706.78126 |
| 63 | 291872.650939 | 2841707.62443 |
| 64 | 291870.597613 | 2841775.29655 |
| 65 | 291870.537424 | 2841776.57697 |
| 66 | 291870.518587 | 2841777.51741 |
| 67 | 291868.132502 | 2841851.52278 |
| 68 | 291868.124555 | 2841852.4781 |
| 69 | 291868.147933 | 2841853.1795 |
| 70 | 291868.646464 | 2841862.98913 |
| 71 | 291868.813321 | 2841864.74274 |
| 72 | 291869.771875 | 2841871.60113 |
| 73 | 291869.940118 | 2841872.61438 |
| 74 | 291870.280856 | 2841874.08324 |
| 75 | 291871.326759 | 2841877.92767 |
| 76 | 291871.915795 | 2841879.74521 |
| 77 | 291874.333507 | 2841886.14511 |
| 78 | 291875.35803 | 2841888.40846 |
| 79 | 291877.096476 | 2841891.68924 |
| 80 | 291877.607466 | 2841892.59606 |
| 81 | 291878.27603 | 2841893.64138 |
| 82 | 291880.520995 | 2841896.91026 |
| 83 | 291881.158576 | 2841897.78739 |
| 84 | 291883.871567 | 2841901.31498 |
| 85 | 291884.607968 | 2841902.21686 |
| 86 | 291885.159833 | 2841902.82816 |
| 87 | 291890.255115 | 2841908.24291 |
| 88 | 291891.200609 | 2841909.18317 |
| 89 | 291892.207066 | 2841910.0582 |
| 90 | 291892.403968 | 2841910.21616 |
| 91 | 291899.544875 | 2841915.87157 |
| 92 | 291900.925333 | 2841916.87218 |
| 93 | 291938.656538 | 2841941.83915 |
| 94 | 291953.564219 | 2841952.12881 |
| 95 | 291958.155817 | 2841955.90767 |
| 96 | 291963.409195 | 2841961.18015 |
| 97 | 291966.82893 | 2841965.62156 |
| 98 | 291969.91241 | 2841970.79075 |
| 99 | 291972.348313 | 2841975.942 |
| 100 | 291974.170358 | 2841980.72628 |
| 101 | 291975.253856 | 2841984.59215 |
| 102 | 291976.279155 | 2841989.78526 |
| 103 | 291976.779084 | 2841996.171 |
| 104 | 291976.575756 | 2842002.967 |
| 105 | 291975.769753 | 2842008.22042 |
| 106 | 291974.511257 | 2842013.72608 |
| 107 | 291972.976513 | 2842018.14097 |
| 108 | 291970.886356 | 2842023.05149 |
| 109 | 291968.768223 | 2842026.73956 |
| 110 | 291971.208583 | 2842027.47472 |
| 111 | 291972.763687 | 2842027.43438 |
| 112 | 291975.730724 | 2842027.82314 |
| 113 | 291981.004799 | 2842027.37598 |
| 114 | 291983.169752 | 2842027.00957 |
| 115 | 291985.615926 | 2842025.70588 |
| 116 | 291987.637881 | 2842025.80851 |
| 117 | 291990.410532 | 2842025.11716 |
| 118 | 291993.981368 | 2842025.17995 |
| 119 | 291996.001248 | 2842025.2827 |
| 120 | 291997.08084 | 2842025.09985 |
| 121 | 292000.37026 | 2842026.09912 |
| 122 | 292002.719843 | 2842026.81278 |
| 123 | 292005.069336 | 2842027.52644 |
| 124 | 292007.418919 | 2842028.2401 |
| 125 | 292009.021519 | 2842029.74856 |
| 126 | 292010.763244 | 2842030.78855 |
| 127 | 292010.908675 | 2842030.86042 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 292611.325437 | 2841475.57286 |
| 2 | 292610.602493 | 2841474.51875 |
| 3 | 292609.879371 | 2841473.46484 |
| 4 | 292609.419021 | 2841472.87182 |
| 5 | 292609.224249 | 2841471.88519 |
| 6 | 292609.011334 | 2841471.32088 |
| 7 | 292607.195522 | 2841472.15677 |
| 8 | 292603.501256 | 2841473.46659 |
| 9 | 292597.337226 | 2841474.48308 |
| 10 | 292588.954336 | 2841474.86746 |
| 11 | 292576.092653 | 2841475.02292 |
| 12 | 292563.171422 | 2841475.04319 |
| 13 | 292564.835958 | 2841476.55135 |
| 14 | 292567.773689 | 2841479.62382 |
| 15 | 292570.714024 | 2841482.69873 |
| 16 | 292573.969579 | 2841484.41531 |
| 17 | 292577.440115 | 2841488.38192 |
| 18 | 292581.225692 | 2841490.9891 |
| 19 | 292585.541208 | 2841494.48727 |
| 20 | 292588.49288 | 2841497.57278 |
| 21 | 292590.917716 | 2841499.76953 |
| 22 | 292594.403014 | 2841503.75096 |
| 23 | 292597.515395 | 2841506.15869 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 24 | 292601.160207 | 2841509.46097 |
| 25 | 292603.060304 | 2841510.77023 |
| 26 | 292606.941834 | 2841513.44477 |
| 27 | 292611.764289 | 2841512.64957 |
| 28 | 292612.290564 | 2841512.55534 |
| 29 | 292613.757055 | 2841512.21541 |
| 30 | 292615.193751 | 2841511.76613 |
| 31 | 292621.418891 | 2841509.55902 |
| 32 | 292621.868915 | 2841509.39343 |
| 33 | 292623.098833 | 2841508.87623 |
| 34 | 292628.423694 | 2841506.42509 |
| 35 | 292628.402102 | 2841506.40141 |
| 36 | 292627.743445 | 2841505.67576 |
| 37 | 292627.282728 | 2841505.08224 |
| 38 | 292626.757084 | 2841504.15968 |
| 39 | 292626.03359 | 2841503.10468 |
| 40 | 292625.375022 | 2841502.37912 |
| 41 | 292624.518606 | 2841501.52133 |
| 42 | 292623.334487 | 2841499.87321 |
| 43 | 292622.873861 | 2841499.27979 |
| 44 | 292621.9527 | 2841498.09295 |
| 45 | 292621.427058 | 2841497.17059 |
| 46 | 292621.232189 | 2841496.18347 |
| 47 | 292620.839472 | 2841495.06431 |
| 48 | 292620.181068 | 2841494.33885 |
| 49 | 292619.723446 | 2841492.89074 |
| 50 | 292619.133062 | 2841491.63953 |
| 51 | 292618.873179 | 2841490.32357 |
| 52 | 292618.483537 | 2841488.34982 |
| 53 | 292618.285777 | 2841488.21758 |
| 54 | 292617.895956 | 2841486.24393 |
| 55 | 292617.500438 | 2841485.97965 |
| 56 | 292616.97498 | 2841485.05748 |
| 57 | 292616.582356 | 2841483.93852 |
| 58 | 292615.398697 | 2841482.29109 |
| 59 | 292614.87333 | 2841481.36903 |
| 60 | 292613.952265 | 2841480.18268 |
| 61 | 292613.22923 | 2841479.12858 |
| 62 | 292612.836701 | 2841478.00991 |
| 63 | 292612.246318 | 2841476.7589 |

POLÍGONO: Ejido San José del Barranco_43

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 292969.43495 | 2841521.34343 |
| 2 | 292963.119196 | 2841517.02361 |
| 3 | 292961.556269 | 2841516.05684 |
| 4 | 292961.181576 | 2841515.85341 |
| 5 | 292954.55395 | 2841512.34676 |
| 6 | 292953.63237 | 2841511.88898 |
| 7 | 292947.074554 | 2841508.83996 |
| 8 | 292946.115155 | 2841508.42393 |
| 9 | 292939.617262 | 2841505.80647 |
| 10 | 292938.690366 | 2841505.45949 |
| 11 | 292937.59545 | 2841505.11493 |
| 12 | 292928.404852 | 2841502.51131 |
| 13 | 292927.439229 | 2841502.2636 |
| 14 | 292902.944733 | 2841496.62603 |
| 15 | 292861.930686 | 2841487.23723 |
| 16 | 292851.286523 | 2841484.77435 |
| 17 | 292842.649035 | 2841482.80831 |
| 18 | 292842.092074 | 2841482.68985 |
| 19 | 292837.295828 | 2841481.74099 |
| 20 | 292836.579054 | 2841481.61277 |
| 21 | 292835.654067 | 2841481.4866 |
| 22 | 292827.866913 | 2841480.60688 |
| 23 | 292826.5 | 2841480.50207 |
| 24 | 292821.098002 | 2841480.26594 |
| 25 | 292819.928457 | 2841480.24903 |
| 26 | 292810.122775 | 2841480.3943 |
| 27 | 292808.749652 | 2841480.46239 |
| 28 | 292799.342202 | 2841481.25409 |
| 29 | 292798.967255 | 2841481.28904 |
| 30 | 292788.691008 | 2841482.34904 |
| 31 | 292778.658974 | 2841483.21409 |
| 32 | 292774.445435 | 2841483.39053 |
| 33 | 292769.83581 | 2841483.02336 |
| 34 | 292765.3363 | 2841482.2131 |
| 35 | 292763.366999 | 2841481.54269 |
| 36 | 292761.068289 | 2841480.2786 |
| 37 | 292757.547368 | 2841477.86357 |
| 38 | 292755.886359 | 2841476.42937 |
| 39 | 292751.483567 | 2841471.73496 |
| 40 | 292738.266985 | 2841454.98328 |
| 41 | 292737.668703 | 2841454.26057 |
| 42 | 292731.034059 | 2841446.6351 |
| 43 | 292729.439454 | 2841445.00086 |
| 44 | 292725.016015 | 2841440.95712 |
| 45 | 292724.136688 | 2841440.19903 |
| 46 | 292723.582278 | 2841439.76433 |
| 47 | 292718.488258 | 2841435.91374 |
| 48 | 292716.529957 | 2841434.60707 |
| 49 | 292711.356495 | 2841431.57918 |
| 50 | 292710.982269 | 2841431.36558 |
| 51 | 292709.422026 | 2841430.58405 |
| 52 | 292707.799565 | 2841429.94152 |
| 53 | 292707.540914 | 2841429.85398 |
| 54 | 292702.669413 | 2841428.24075 |
| 55 | 292701.123657 | 2841427.79693 |
| 56 | 292699.547354 | 2841427.47875 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 57 | 292692.176956 | 2841426.29731 |
| 58 | 292691.010802 | 2841426.14533 |
| 59 | 292687.098274 | 2841425.75224 |
| 60 | 292684.786258 | 2841425.65454 |
| 61 | 292683.82446 | 2841425.69279 |
| 62 | 292676.331533 | 2841426.17103 |
| 63 | 292673.825112 | 2841426.49103 |
| 64 | 292671.817034 | 2841426.98641 |
| 65 | 292665.160215 | 2841428.99904 |
| 66 | 292663.814968 | 2841429.45854 |
| 67 | 292661.898663 | 2841430.30776 |
| 68 | 292655.000852 | 2841433.80742 |
| 69 | 292653.780594 | 2841434.48102 |
| 70 | 292653.119154 | 2841434.89467 |
| 71 | 292646.89095 | 2841438.95937 |
| 72 | 292645.001113 | 2841440.35777 |
| 73 | 292640.6333 | 2841444.00555 |
| 74 | 292640.360053 | 2841444.23793 |
| 75 | 292639.701919 | 2841444.83419 |
| 76 | 292622.613537 | 2841461.01609 |
| 77 | 292616.850953 | 2841466.24059 |
| 78 | 292610.98746 | 2841470.41113 |
| 79 | 292610.710319 | 2841470.53874 |
| 80 | 292610.945034 | 2841471.03613 |
| 81 | 292611.603142 | 2841471.7612 |
| 82 | 292612.459099 | 2841472.6184 |
| 83 | 292613.247146 | 2841474.00125 |
| 84 | 292613.772512 | 2841474.92322 |
| 85 | 292614.758317 | 2841476.43821 |
| 86 | 292615.085925 | 2841477.22813 |
| 87 | 292615.61129 | 2841478.1501 |
| 88 | 292616.136747 | 2841479.07216 |
| 89 | 292616.464445 | 2841479.86208 |
| 90 | 292617.187659 | 2841480.91619 |
| 91 | 292617.713027 | 2841481.83835 |
| 92 | 292618.368424 | 2841483.4183 |
| 93 | 292619.289581 | 2841484.60474 |
| 94 | 292620.012888 | 2841485.65904 |
| 95 | 292620.207665 | 2841486.64597 |
| 96 | 292620.535364 | 2841487.43599 |
| 97 | 292620.993004 | 2841488.884 |
| 98 | 292621.38563 | 2841490.00307 |
| 99 | 292621.778437 | 2841491.12223 |
| 100 | 292622.106046 | 2841491.91225 |
| 101 | 292622.894462 | 2841493.29579 |
| 102 | 292623.48503 | 2841494.5472 |
| 103 | 292624.143503 | 2841495.27265 |
| 104 | 292624.866905 | 2841496.32725 |
| 105 | 292625.522579 | 2841497.9077 |
| 106 | 292625.652432 | 2841498.56578 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 107 | 292626.178164 | 2841499.48824 |
| 108 | 292626.901657 | 2841500.54294 |
| 109 | 292628.020849 | 2841501.86201 |
| 110 | 292628.2187 | 2841501.99425 |
| 111 | 292629.075207 | 2841502.85214 |
| 112 | 292629.668847 | 2841503.24876 |
| 113 | 292630.85613 | 2841504.04219 |
| 114 | 292631.514787 | 2841504.76784 |
| 115 | 292631.556897 | 2841504.81003 |
| 116 | 292632.64794 | 2841504.09739 |
| 117 | 292641.003607 | 2841498.15391 |
| 118 | 292642.505104 | 2841496.97404 |
| 119 | 292642.845005 | 2841496.67295 |
| 120 | 292649.644768 | 2841490.50795 |
| 121 | 292649.963004 | 2841490.21318 |
| 122 | 292666.756287 | 2841474.31067 |
| 123 | 292669.741315 | 2841471.81769 |
| 124 | 292674.07229 | 2841468.99106 |
| 125 | 292678.426461 | 2841466.78182 |
| 126 | 292681.184835 | 2841465.94795 |
| 127 | 292684.733757 | 2841465.72138 |
| 128 | 292686.426405 | 2841465.89145 |
| 129 | 292691.623539 | 2841466.72457 |
| 130 | 292692.966115 | 2841467.16917 |
| 131 | 292695.305125 | 2841468.53815 |
| 132 | 292698.713352 | 2841471.11449 |
| 133 | 292701.603888 | 2841473.75671 |
| 134 | 292707.158409 | 2841480.141 |
| 135 | 292720.60552 | 2841497.18471 |
| 136 | 292721.188903 | 2841497.89022 |
| 137 | 292721.719163 | 2841498.47867 |
| 138 | 292727.426762 | 2841504.5643 |
| 139 | 292728.943986 | 2841506.02047 |
| 140 | 292732.243759 | 2841508.86976 |
| 141 | 292732.699904 | 2841509.25189 |
| 142 | 292734.001968 | 2841510.2251 |
| 143 | 292739.252355 | 2841513.82641 |
| 144 | 292740.883213 | 2841514.83375 |
| 145 | 292745.625818 | 2841517.44166 |
| 146 | 292747.142154 | 2841518.19379 |
| 147 | 292748.76752 | 2841518.83239 |
| 148 | 292753.867205 | 2841520.56833 |
| 149 | 292755.303456 | 2841520.99793 |
| 150 | 292756.767899 | 2841521.31876 |
| 151 | 292763.718417 | 2841522.57036 |
| 152 | 292764.098078 | 2841522.63499 |
| 153 | 292765.674966 | 2841522.82381 |
| 154 | 292772.480656 | 2841523.36595 |
| 155 | 292774.381456 | 2841523.42664 |
| 156 | 292774.906891 | 2841523.41166 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 157 | 292780.777072 | 2841523.16559 |
| 158 | 292781.657755 | 2841523.10918 |
| 159 | 292792.293721 | 2841522.19195 |
| 160 | 292792.62745 | 2841522.16043 |
| 161 | 292802.682121 | 2841521.10286 |
| 162 | 292811.414185 | 2841520.38472 |
| 163 | 292819.936169 | 2841520.2586 |
| 164 | 292824.068217 | 2841520.43912 |
| 165 | 292830.347299 | 2841521.14696 |
| 166 | 292834.048986 | 2841521.87922 |
| 167 | 292842.338529 | 2841523.76598 |
| 168 | 292852.957833 | 2841526.22326 |
| 169 | 292893.994879 | 2841535.61714 |
| 170 | 292917.981323 | 2841541.13785 |
| 171 | 292925.662089 | 2841543.31389 |
| 172 | 292930.682038 | 2841545.33605 |
| 173 | 292936.298165 | 2841547.94724 |
| 174 | 292941.469957 | 2841550.68375 |
| 175 | 292946.433577 | 2841554.07884 |
| 176 | 292949.677384 | 2841556.54598 |
| 177 | 292956.953361 | 2841563.07719 |
| 178 | 292968.187536 | 2841573.44691 |
| 179 | 292989.853246 | 2841594.40908 |
| 180 | 292989.859495 | 2841594.36972 |
| 181 | 292990.025971 | 2841593.32513 |
| 182 | 292990.15913 | 2841592.48924 |
| 183 | 292990.325606 | 2841591.44466 |
| 184 | 292990.425365 | 2841590.81787 |
| 185 | 292990.591839 | 2841589.77318 |
| 186 | 292990.858163 | 2841588.1017 |
| 187 | 292991.157799 | 2841586.22123 |
| 188 | 292991.191022 | 2841586.01233 |
| 189 | 292991.424123 | 2841584.54975 |
| 190 | 292991.833936 | 2841583.32926 |
| 191 | 292992.066856 | 2841581.86668 |
| 192 | 292992.720004 | 2841580.47019 |
| 193 | 292992.953105 | 2841579.00761 |
| 194 | 292993.39614 | 2841577.57813 |
| 195 | 292993.562615 | 2841576.53344 |
| 196 | 292993.695688 | 2841575.69775 |
| 197 | 292993.762313 | 2841575.27986 |
| 198 | 292994.271976 | 2841573.43258 |
| 199 | 292994.471673 | 2841572.17689 |
| 200 | 292995.025066 | 2841571.40939 |
| 201 | 292995.401565 | 2841570.3977 |
| 202 | 292995.811287 | 2841569.17712 |
| 203 | 292996.110925 | 2841567.29674 |
| 204 | 292996.764076 | 2841565.90035 |
| 205 | 292997.173979 | 2841564.67977 |
| 206 | 292997.683553 | 2841562.83249 |
| 207 | 292998.026738 | 2841562.0297 |
| 208 | 292998.226528 | 2841560.77611 |
| 209 | 292998.736192 | 2841558.92883 |
| 210 | 292998.869264 | 2841558.09304 |
| 211 | 292999.522506 | 2841556.69666 |
| 212 | 292999.722204 | 2841555.44297 |
| 213 | 292999.78883 | 2841555.02508 |
| 214 | 293000.68523 | 2841553.45289 |
| 215 | 293000.918333 | 2841551.99031 |
| 216 | 293001.781599 | 2841550.62692 |
| 217 | 293001.948653 | 2841550.44682 |
| 218 | 292995.836616 | 2841544.53322 |
| 219 | 292995.495194 | 2841544.21059 |
| 220 | 292983.988435 | 2841533.58928 |
| 221 | 292983.782777 | 2841533.40205 |
| 222 | 292975.794516 | 2841526.2315 |
| 223 | 292975.049679 | 2841525.59517 |
| 224 | 292974.541706 | 2841525.19561 |
| 225 | 292970.251021 | 2841521.93231 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 293022.041499 | 2841569.88724 |
| 2 | 293004.814046 | 2841553.21915 |
| 3 | 293004.743316 | 2841553.66342 |
| 4 | 293004.433351 | 2841554.25711 |
| 5 | 293003.846734 | 2841555.23561 |
| 6 | 293003.570173 | 2841555.6204 |
| 7 | 293002.740222 | 2841556.7749 |
| 8 | 293001.94349 | 2841557.7203 |
| 9 | 293001.56699 | 2841558.73189 |
| 10 | 293001.400604 | 2841559.77657 |
| 11 | 293001.024103 | 2841560.76816 |
| 12 | 293000.6142 | 2841562.00875 |
| 13 | 293000.204365 | 2841563.22924 |
| 14 | 293000.037999 | 2841564.27392 |
| 15 | 292999.661499 | 2841565.28551 |
| 16 | 292999.251686 | 2841566.5061 |
| 17 | 292999.18515 | 2841566.924 |
| 18 | 292998.708711 | 2841568.56248 |
| 19 | 292998.542234 | 2841569.60706 |
| 20 | 292998.342627 | 2841570.86075 |
| 21 | 292997.932813 | 2841572.08123 |
| 22 | 292997.523001 | 2841573.30182 |
| 23 | 292997.323211 | 2841574.55541 |
| 24 | 292997.19005 | 2841575.39119 |
| 25 | 292996.680478 | 2841577.23857 |
| 26 | 292996.480689 | 2841578.49216 |
| 27 | 292996.314304 | 2841579.53684 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 28 | 292996.037652 | 2841579.92154 |
| 29 | 292995.804551 | 2841581.38412 |
| 30 | 292995.604854 | 2841582.6378 |
| 31 | 292995.438377 | 2841583.68239 |
| 32 | 292995.271904 | 2841584.72718 |
| 33 | 292994.862183 | 2841585.94776 |
| 34 | 292994.385834 | 2841587.58615 |
| 35 | 292994.042556 | 2841588.38874 |
| 36 | 292993.389317 | 2841589.78513 |
| 37 | 292993.289469 | 2841590.41202 |
| 38 | 292992.913061 | 2841591.42361 |
| 39 | 292992.326448 | 2841592.40221 |
| 40 | 292991.673209 | 2841593.7986 |
| 41 | 292991.330024 | 2841594.60129 |
| 42 | 292990.955995 | 2841595.47601 |
| 43 | 292994.288356 | 2841598.70016 |
| 44 | 293001.182912 | 2841605.32285 |
| 45 | 293003.986985 | 2841608.40815 |
| 46 | 293007.435789 | 2841612.78109 |
| 47 | 293010.072966 | 2841616.89593 |
| 48 | 293011.865272 | 2841620.43929 |
| 49 | 293013.494276 | 2841625.69955 |
| 50 | 293014.557466 | 2841629.89158 |
| 51 | 293015.573892 | 2841636.0001 |
| 52 | 293018.274364 | 2841654.75671 |
| 53 | 293018.341737 | 2841655.19115 |
| 54 | 293019.472792 | 2841661.9848 |
| 55 | 293019.521008 | 2841662.26218 |
| 56 | 293020.560956 | 2841668.00908 |
| 57 | 293020.601656 | 2841668.22719 |
| 58 | 293020.892192 | 2841669.5079 |
| 59 | 293022.119892 | 2841674.20211 |
| 60 | 293022.762803 | 2841676.21826 |
| 61 | 293024.441733 | 2841680.65649 |
| 62 | 293027.38647 | 2841678.20249 |
| 63 | 293029.447317 | 2841676.76769 |
| 64 | 293031.508253 | 2841675.3328 |
| 65 | 293033.679656 | 2841673.52327 |
| 66 | 293035.363572 | 2841671.97846 |
| 67 | 293039.595913 | 2841668.73394 |
| 68 | 293041.058726 | 2841667.93909 |
| 69 | 293043.93899 | 2841665.11459 |
| 70 | 293046.487416 | 2841663.41488 |
| 71 | 293048.060693 | 2841662.2451 |
| 72 | 293051.207337 | 2841659.90545 |
| 73 | 293055.59542 | 2841657.52081 |
| 74 | 293057.656273 | 2841656.08602 |
| 75 | 293058.995309 | 2841655.73667 |
| 76 | 293058.911998 | 2841655.27817 |
| 77 | 293057.840057 | 2841648.83976 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 78 | 293055.139553 | 2841630.08324 |
| 79 | 293055.072478 | 2841629.65049 |
| 80 | 293053.682685 | 2841622.5001 |
| 81 | 293053.793564 | 2841622.00292 |
| 82 | 293053.540034 | 2841620.86553 |
| 83 | 293052.143639 | 2841615.36007 |
| 84 | 293051.862366 | 2841614.36044 |
| 85 | 293049.581691 | 2841606.99606 |
| 86 | 293049.161577 | 2841605.77956 |
| 87 | 293048.323422 | 2841603.68454 |
| 88 | 293045.31188 | 2841597.93092 |
| 89 | 293044.627411 | 2841596.68924 |
| 90 | 293044.303458 | 2841596.16643 |
| 91 | 293040.588814 | 2841590.37017 |
| 92 | 293039.453831 | 2841588.77656 |
| 93 | 293034.966108 | 2841583.08624 |
| 94 | 293034.38072 | 2841582.37816 |
| 95 | 293034.062856 | 2841582.01998 |
| 96 | 293030.331138 | 2841577.91384 |
| 97 | 293029.38528 | 2841576.94141 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 293168.618266 | 2841640.55153 |
| 2 | 293143.227108 | 2841634.61472 |
| 3 | 293142.294015 | 2841637.02536 |
| 4 | 293141.07856 | 2841639.1535 |
| 5 | 293138.837328 | 2841641.95297 |
| 6 | 293136.739223 | 2841644.02821 |
| 7 | 293132.940986 | 2841647.28098 |
| 8 | 293123.592378 | 2841653.54586 |
| 9 | 293103.446811 | 2841666.38954 |
| 10 | 293093.484096 | 2841672.7604 |
| 11 | 293088.223672 | 2841675.33033 |
| 12 | 293085.429258 | 2841676.39927 |
| 13 | 293082.646955 | 2841677.18509 |
| 14 | 293081.235016 | 2841677.46114 |
| 15 | 293080.859432 | 2841678.73421 |
| 16 | 293080.065103 | 2841681.35863 |
| 17 | 293079.531972 | 2841683.23319 |
| 18 | 293078.757642 | 2841685.65752 |
| 19 | 293077.585915 | 2841691.21629 |
| 20 | 293076.590479 | 2841694.59048 |
| 21 | 293075.041825 | 2841699.83933 |
| 22 | 293074.046212 | 2841703.21362 |
| 23 | 293072.718755 | 2841707.71251 |
| 24 | 293070.617069 | 2841714.83602 |
| 25 | 293070.021401 | 2841716.85485 |
| 26 | 293073.573527 | 2841717.37075 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 27 | 293074.885856 | 2841717.5173 |
| 28 | 293076.204953 | 2841717.57675 |
| 29 | 293081.995184 | 2841717.64726 |
| 30 | 293082.550178 | 2841717.64628 |
| 31 | 293084.292159 | 2841717.54297 |
| 32 | 293086.046954 | 2841717.2827 |
| 33 | 293091.129578 | 2841716.28919 |
| 34 | 293092.729055 | 2841715.90767 |
| 35 | 293097.171052 | 2841714.65299 |
| 36 | 293098.873963 | 2841714.0885 |
| 37 | 293103.34848 | 2841712.37699 |
| 38 | 293104.982836 | 2841711.66687 |
| 39 | 293112.075017 | 2841708.20198 |
| 40 | 293113.564899 | 2841707.39416 |
| 41 | 293114.070777 | 2841707.08113 |
| 42 | 293124.976061 | 2841700.10752 |
| 43 | 293145.290139 | 2841687.15641 |
| 44 | 293145.672473 | 2841686.90649 |
| 45 | 293156.191102 | 2841679.85743 |
| 46 | 293158.066113 | 2841678.43413 |
| 47 | 293163.347925 | 2841673.91106 |
| 48 | 293164.362252 | 2841672.97463 |
| 49 | 293167.794612 | 2841669.5795 |
| 50 | 293169.249156 | 2841667.9759 |
| 51 | 293169.342087 | 2841667.86054 |
| 52 | 293173.286352 | 2841662.9343 |
| 53 | 293174.214499 | 2841661.67734 |
| 54 | 293175.041703 | 2841660.35199 |
| 55 | 293177.776584 | 2841655.5628 |
| 56 | 293177.883353 | 2841655.37349 |
| 57 | 293178.515477 | 2841654.13938 |
| 58 | 293179.060454 | 2841652.86447 |
| 59 | 293180.855301 | 2841648.22796 |

POLÍGONO: Ejido San José del Barranco_46

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 293332.074236 | 2841420.36613 |
| 2 | 293339.294204 | 2841420.00681 |
| 3 | 293350.240483 | 2841420.0078 |
| 4 | 293382.048692 | 2841419.93787 |
| 5 | 293382.222152 | 2841419.93676 |
| 6 | 293394.132398 | 2841419.80717 |
| 7 | 293392.03799 | 2841419.19632 |
| 8 | 293390.153319 | 2841418.64648 |
| 9 | 293389.399452 | 2841418.42663 |
| 10 | 293387.625258 | 2841417.50196 |
| 11 | 293385.097286 | 2841416.35744 |
| 12 | 293383.58946 | 2841415.91763 |
| 13 | 293382.302944 | 2841414.72796 |
| 14 | 293380.262561 | 2841413.31844 |
| 15 | 293378.222086 | 2841411.90892 |
| 16 | 293376.824914 | 2841411.09418 |
| 17 | 293374.29685 | 2841409.94967 |
| 18 | 293372.256464 | 2841408.54004 |
| 19 | 293371.613159 | 2841407.94516 |
| 20 | 293368.974529 | 2841407.17557 |
| 21 | 293366.557117 | 2841405.65603 |
| 22 | 293365.426314 | 2841405.32624 |
| 23 | 293363.164616 | 2841404.66648 |
| 24 | 293360.747204 | 2841403.14704 |
| 25 | 293358.485507 | 2841402.48738 |
| 26 | 293355.580594 | 2841401.23283 |
| 27 | 293352.67559 | 2841399.97829 |
| 28 | 293347.508975 | 2841398.06399 |
| 29 | 293345.734865 | 2841397.13933 |
| 30 | 293343.31754 | 2841395.61989 |
| 31 | 293340.412534 | 2841394.36535 |
| 32 | 293338.261488 | 2841393.33076 |
| 33 | 293337.241156 | 2841392.62595 |
| 34 | 293335.577789 | 2841391.32636 |
| 35 | 293332.029473 | 2841389.47695 |
| 36 | 293329.5014 | 2841388.33244 |
| 37 | 293326.063829 | 2841386.10819 |
| 38 | 293324.555997 | 2841385.66838 |
| 39 | 293319.655745 | 2841384.23905 |
| 40 | 293316.640079 | 2841383.35944 |
| 41 | 293314.342337 | 2841382.53124 |
| 42 | 293313.405158 | 2841382.73538 |
| 43 | 293308.968816 | 2841383.81639 |
| 44 | 293307.666857 | 2841384.18068 |
| 45 | 293302.428111 | 2841385.83914 |
| 46 | 293301.33215 | 2841386.22145 |
| 47 | 293301.008931 | 2841386.34816 |
| 48 | 293295.647683 | 2841388.50192 |
| 49 | 293294.330384 | 2841389.08719 |
| 50 | 293288.574421 | 2841391.89664 |
| 51 | 293287.496157 | 2841392.46413 |
| 52 | 293283.209912 | 2841394.88994 |
| 53 | 293282.792064 | 2841395.13323 |
| 54 | 293282.057299 | 2841395.59472 |
| 55 | 293278.311919 | 2841398.06233 |
| 56 | 293277.443223 | 2841398.66821 |
| 57 | 293272.342209 | 2841402.43073 |
| 58 | 293271.120957 | 2841403.40744 |
| 59 | 293270.987673 | 2841403.52382 |
| 60 | 293268.034239 | 2841406.12768 |
| 61 | 293267.45979 | 2841406.65433 |
| 62 | 293262.341425 | 2841411.53405 |
| 63 | 293261.271575 | 2841412.63547 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 64 | 293257.935672 | 2841416.34447 |
| 65 | 293257.652252 | 2841416.66639 |
| 66 | 293253.783993 | 2841421.15741 |
| 67 | 293253.587308 | 2841421.38928 |
| 68 | 293244.320094 | 2841432.48504 |
| 69 | 293230.144272 | 2841449.56294 |
| 70 | 293230.052986 | 2841449.67389 |
| 71 | 293202.580617 | 2841483.25857 |
| 72 | 293175.853108 | 2841515.77557 |
| 73 | 293158.803659 | 2841536.4662 |
| 74 | 293158.719118 | 2841536.56946 |
| 75 | 293158.532568 | 2841536.80247 |
| 76 | 293155.2961 | 2841540.90768 |
| 77 | 293154.463237 | 2841542.04428 |
| 78 | 293151.191459 | 2841546.85589 |
| 79 | 293150.890888 | 2841547.31112 |
| 80 | 293148.494084 | 2841551.05155 |
| 81 | 293147.85891 | 2841552.11351 |
| 82 | 293147.365932 | 2841553.05735 |
| 83 | 293145.423731 | 2841557.02967 |
| 84 | 293145.024399 | 2841557.89821 |
| 85 | 293143.500455 | 2841561.4338 |
| 86 | 293142.968701 | 2841562.80388 |
| 87 | 293142.67543 | 2841563.72148 |
| 88 | 293141.73162 | 2841566.9393 |
| 89 | 293141.49519 | 2841567.81885 |
| 90 | 293140.743913 | 2841570.89205 |
| 91 | 293140.423834 | 2841572.47637 |
| 92 | 293140.325661 | 2841573.16472 |
| 93 | 293139.933199 | 2841576.30946 |
| 94 | 293139.818822 | 2841577.52813 |
| 95 | 293139.575197 | 2841581.39185 |
| 96 | 293139.535576 | 2841582.65569 |
| 97 | 293139.536487 | 2841586.17128 |
| 98 | 293139.538923 | 2841586.47808 |
| 99 | 293139.542806 | 2841586.66916 |
| 100 | 293139.632884 | 2841590.25074 |
| 101 | 293139.761124 | 2841592.06374 |
| 102 | 293140.242541 | 2841596.1927 |
| 103 | 293140.328678 | 2841596.84041 |
| 104 | 293141.864281 | 2841607.08825 |
| 105 | 293142.944115 | 2841614.00638 |
| 106 | 293174.796695 | 2841621.45396 |
| 107 | 293175.793369 | 2841621.74227 |
| 108 | 293176.604621 | 2841622.06366 |
| 109 | 293177.384716 | 2841622.4544 |
| 110 | 293177.834426 | 2841622.72034 |
| 111 | 293184.342861 | 2841626.80316 |
| 112 | 293184.356714 | 2841626.39426 |
| 113 | 293184.365768 | 2841625.40535 |
| 114 | 293184.331767 | 2841624.51038 |
| 115 | 293183.920219 | 2841617.70282 |
| 116 | 293183.717372 | 2841615.82481 |
| 117 | 293181.408679 | 2841601.0345 |
| 118 | 293179.940514 | 2841591.23524 |
| 119 | 293179.60245 | 2841588.33588 |
| 120 | 293179.541537 | 2841585.91173 |
| 121 | 293179.540931 | 2841583.27807 |
| 122 | 293179.706058 | 2841580.65747 |
| 123 | 293179.879539 | 2841579.26768 |
| 124 | 293180.247625 | 2841577.76194 |
| 125 | 293180.720523 | 2841576.14983 |
| 126 | 293181.572526 | 2841574.17305 |
| 127 | 293182.798867 | 2841571.66496 |
| 128 | 293184.427187 | 2841569.12399 |
| 129 | 293187.148539 | 2841565.12199 |
| 130 | 293189.813834 | 2841561.74111 |
| 131 | 293206.736466 | 2841541.20457 |
| 132 | 293233.515561 | 2841508.62445 |
| 133 | 293260.974832 | 2841475.05608 |
| 134 | 293275.062278 | 2841458.08423 |
| 135 | 293284.197496 | 2841447.1467 |
| 136 | 293287.82316 | 2841442.93751 |
| 137 | 293290.501999 | 2841439.95895 |
| 138 | 293294.78258 | 2841435.87817 |
| 139 | 293296.789958 | 2841434.10832 |
| 140 | 293300.763896 | 2841431.17725 |
| 141 | 293303.501951 | 2841429.37329 |
| 142 | 293306.669499 | 2841427.58068 |
| 143 | 293311.230215 | 2841425.3545 |
| 144 | 293315.221952 | 2841423.75095 |
| 145 | 293319.097552 | 2841422.52382 |
| 146 | 293322.293453 | 2841421.74525 |
| 147 | 293327.082957 | 2841420.87788 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 293553.108132 | 2841208.418 |
| 2 | 293555.079184 | 2841208.38344 |
| 3 | 293557.974838 | 2841208.72843 |
| 4 | 293559.86167 | 2841209.13735 |
| 5 | 293562.412634 | 2841210.18548 |
| 6 | 293564.255918 | 2841211.20257 |
| 7 | 293566.01079 | 2841212.55618 |
| 8 | 293570.880063 | 2841216.66509 |
| 9 | 293574.685678 | 2841220.70326 |
| 10 | 293587.044356 | 2841235.91952 |
| 11 | 293591.254461 | 2841241.12543 |
| 12 | 293591.764187 | 2841239.26423 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 13 | 293592.328004 | 2841237.20557 |
| 14 | 293593.34284 | 2841233.49998 |
| 15 | 293595.411268 | 2841229.19512 |
| 16 | 293596.276192 | 2841227.66025 |
| 17 | 293598.119021 | 2841224.17876 |
| 18 | 293600.150338 | 2841221.63288 |
| 19 | 293600.714068 | 2841219.57422 |
| 20 | 293601.993079 | 2841218.15139 |
| 21 | 293603.835912 | 2841214.67 |
| 22 | 293604.399733 | 2841212.61134 |
| 23 | 293606.318253 | 2841210.4772 |
| 24 | 293608.236774 | 2841208.34305 |
| 25 | 293609.214501 | 2841206.39644 |
| 26 | 293612.162335 | 2841203.39086 |
| 27 | 293605.274608 | 2841194.9105 |
| 28 | 293604.6691 | 2841194.42691 |
| 29 | 293604.304899 | 2841193.80248 |
| 30 | 293599.21 | 2841188.39638 |
| 31 | 293597.553203 | 2841186.82799 |
| 32 | 293591.473359 | 2841181.6976 |
| 33 | 293591.190758 | 2841181.46353 |
| 34 | 293590.790461 | 2841181.14657 |
| 35 | 293587.477415 | 2841178.59096 |
| 36 | 293586.264668 | 2841177.7256 |
| 37 | 293584.957165 | 2841176.93416 |
| 38 | 293580.736259 | 2841174.60514 |
| 39 | 293578.675332 | 2841173.61714 |
| 40 | 293573.42906 | 2841171.46153 |
| 41 | 293572.375019 | 2841171.06287 |
| 42 | 293570.062534 | 2841170.41413 |
| 43 | 293565.518925 | 2841169.42978 |
| 44 | 293564.449893 | 2841169.22847 |
| 45 | 293563.650376 | 2841169.11664 |
| 46 | 293558.459896 | 2841168.49813 |
| 47 | 293557.123106 | 2841168.3842 |
| 48 | 293555.762251 | 2841168.36033 |
| 49 | 293550.895907 | 2841168.44552 |
| 50 | 293549.389157 | 2841168.52886 |
| 51 | 293547.89311 | 2841168.72544 |
| 52 | 293542.774653 | 2841169.59575 |
| 53 | 293542.347979 | 2841169.67304 |
| 54 | 293540.121623 | 2841170.23575 |
| 55 | 293535.116907 | 2841171.81104 |
| 56 | 293533.989921 | 2841172.20318 |
| 57 | 293533.641652 | 2841172.33974 |
| 58 | 293529.015331 | 2841174.20542 |
| 59 | 293527.651431 | 2841174.8157 |
| 60 | 293526.336952 | 2841175.52606 |
| 61 | 293521.990329 | 2841178.08895 |
| 62 | 293521.880355 | 2841178.15414 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 63 | 293520.261853 | 2841179.23278 |
| 64 | 293516.52251 | 2841181.99619 |
| 65 | 293515.376639 | 2841182.90981 |
| 66 | 293507.720327 | 2841189.48707 |
| 67 | 293506.983878 | 2841190.15486 |
| 68 | 293501.684325 | 2841195.206 |
| 69 | 293501.431401 | 2841195.4514 |
| 70 | 293484.382121 | 2841212.2847 |
| 71 | 293475.138068 | 2841221.11925 |
| 72 | 293474.913524 | 2841221.33711 |
| 73 | 293466.438512 | 2841229.69421 |
| 74 | 293451.625929 | 2841244.19969 |
| 75 | 293443.277605 | 2841252.25249 |
| 76 | 293442.721776 | 2841252.81004 |
| 77 | 293432.8131 | 2841263.15138 |
| 78 | 293431.849476 | 2841264.23288 |
| 79 | 293428.581133 | 2841268.17996 |
| 80 | 293428.466364 | 2841268.31986 |
| 81 | 293427.515151 | 2841269.58942 |
| 82 | 293425.610906 | 2841272.35389 |
| 83 | 293425.129156 | 2841273.08707 |
| 84 | 293423.193966 | 2841276.17819 |
| 85 | 293422.67158 | 2841277.06228 |
| 86 | 293422.302385 | 2841277.75694 |
| 87 | 293420.601478 | 2841281.11647 |
| 88 | 293419.609288 | 2841283.42546 |
| 89 | 293417.950099 | 2841288.07217 |
| 90 | 293417.887138 | 2841288.25083 |
| 91 | 293417.330154 | 2841290.16071 |
| 92 | 293416.176115 | 2841295.00275 |
| 93 | 293415.883225 | 2841296.47422 |
| 94 | 293415.752895 | 2841297.43583 |
| 95 | 293415.200323 | 2841302.41848 |
| 96 | 293415.078458 | 2841304.57899 |
| 97 | 293415.068981 | 2841308.89407 |
| 98 | 293415.071358 | 2841309.2497 |
| 99 | 293415.18741 | 2841311.11183 |
| 100 | 293415.744389 | 2841316.20735 |
| 101 | 293415.994061 | 2841317.85274 |
| 102 | 293416.908813 | 2841322.50611 |
| 103 | 293417.076331 | 2841323.27742 |
| 104 | 293418.213291 | 2841328.05608 |
| 105 | 293418.445154 | 2841328.94059 |
| 106 | 293420.113186 | 2841334.75605 |
| 107 | 293424.124305 | 2841349.25898 |
| 108 | 293425.16308 | 2841354.08869 |
| 109 | 293425.607272 | 2841358.57589 |
| 110 | 293425.651579 | 2841360.795 |
| 111 | 293425.418214 | 2841363.45612 |
| 112 | 293425.163408 | 2841364.88524 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 113 | 293424.751009 | 2841366.23849 |
| 114 | 293423.764057 | 2841368.808 |
| 115 | 293423.11749 | 2841370.03335 |
| 116 | 293421.396622 | 2841372.46969 |
| 117 | 293420.440298 | 2841373.60181 |
| 118 | 293419.383922 | 2841374.54883 |
| 119 | 293417.745526 | 2841375.74548 |
| 120 | 293416.425261 | 2841376.5292 |
| 121 | 293414.680365 | 2841377.38181 |
| 122 | 293413.124614 | 2841378.04581 |
| 123 | 293412.116692 | 2841378.30008 |
| 124 | 293412.830635 | 2841379.24993 |
| 125 | 293413.785362 | 2841381.56438 |
| 126 | 293415.071966 | 2841382.75395 |
| 127 | 293416.514193 | 2841384.80341 |
| 128 | 293417.69014 | 2841386.36791 |
| 129 | 293418.976654 | 2841387.55748 |
| 130 | 293419.77567 | 2841389.01225 |
| 131 | 293422.23813 | 2841391.76642 |
| 132 | 293423.414076 | 2841393.33092 |
| 133 | 293425.01201 | 2841396.24006 |
| 134 | 293425.589799 | 2841398.44448 |
| 135 | 293426.056931 | 2841401.02384 |
| 136 | 293426.569116 | 2841404.83791 |
| 137 | 293426.925682 | 2841407.79219 |
| 138 | 293427.237011 | 2841409.51166 |
| 139 | 293427.061022 | 2841411.49623 |
| 140 | 293426.995328 | 2841413.10577 |
| 141 | 293426.331748 | 2841415.35524 |
| 142 | 293426.170225 | 2841415.90256 |
| 143 | 293426.66987 | 2841415.7448 |
| 144 | 293427.388158 | 2841415.45449 |
| 145 | 293430.853381 | 2841413.97567 |
| 146 | 293431.784397 | 2841413.5498 |
| 147 | 293434.72003 | 2841412.11511 |
| 148 | 293436.147777 | 2841411.34427 |
| 149 | 293439.014055 | 2841409.64269 |
| 150 | 293440.571516 | 2841408.61313 |
| 151 | 293443.787586 | 2841406.26422 |
| 152 | 293445.084652 | 2841405.23184 |
| 153 | 293445.342285 | 2841405.005 |
| 154 | 293448.1776 | 2841402.46302 |
| 155 | 293449.176432 | 2841401.50324 |
| 156 | 293450.106405 | 2841400.47667 |
| 157 | 293452.516321 | 2841397.62352 |
| 158 | 293452.756628 | 2841397.33367 |
| 159 | 293453.573292 | 2841396.25644 |
| 160 | 293456.541255 | 2841392.05465 |
| 161 | 293457.679653 | 2841390.24484 |
| 162 | 293457.894465 | 2841389.84876 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 163 | 293459.701362 | 2841386.42401 |
| 164 | 293460.682654 | 2841384.26208 |
| 165 | 293462.350559 | 2841379.92008 |
| 166 | 293462.578524 | 2841379.29568 |
| 167 | 293462.811907 | 2841378.57843 |
| 168 | 293463.779331 | 2841375.40382 |
| 169 | 293464.337265 | 2841373.08505 |
| 170 | 293464.958438 | 2841369.60183 |
| 171 | 293465.016907 | 2841369.25641 |
| 172 | 293465.192673 | 2841367.83719 |
| 173 | 293465.597671 | 2841363.21828 |
| 174 | 293465.670872 | 2841361.11603 |
| 175 | 293465.588665 | 2841356.98993 |
| 176 | 293465.495386 | 2841355.41844 |
| 177 | 293464.86207 | 2841349.02052 |
| 178 | 293464.599015 | 2841347.21121 |
| 179 | 293464.512095 | 2841346.78484 |
| 180 | 293463.112838 | 2841340.27917 |
| 181 | 293462.836309 | 2841339.1532 |
| 182 | 293458.646195 | 2841324.00331 |
| 183 | 293458.594768 | 2841323.82074 |
| 184 | 293457.026154 | 2841318.35162 |
| 185 | 293456.08615 | 2841314.40131 |
| 186 | 293455.419935 | 2841311.01237 |
| 187 | 293455.076432 | 2841307.87003 |
| 188 | 293455.081097 | 2841305.75081 |
| 189 | 293455.377818 | 2841303.07506 |
| 190 | 293455.992234 | 2841300.4976 |
| 191 | 293456.861031 | 2841298.06437 |
| 192 | 293457.583224 | 2841296.63803 |
| 193 | 293458.803801 | 2841294.68843 |
| 194 | 293459.958292 | 2841293.0126 |
| 195 | 293462.200358 | 2841290.30487 |
| 196 | 293471.335305 | 2841280.77123 |
| 197 | 293479.455682 | 2841272.93836 |
| 198 | 293479.563768 | 2841272.83323 |
| 199 | 293494.477039 | 2841258.22935 |
| 200 | 293502.891925 | 2841249.9317 |
| 201 | 293512.141401 | 2841241.092 |
| 202 | 293512.375104 | 2841240.86494 |
| 203 | 293529.412188 | 2841224.04352 |
| 204 | 293534.210824 | 2841219.46955 |
| 205 | 293540.889175 | 2841213.73276 |
| 206 | 293543.203327 | 2841212.02256 |
| 207 | 293545.366118 | 2841210.74721 |
| 208 | 293547.877069 | 2841209.73461 |
| 209 | 293550.828754 | 2841208.80545 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 293902.354413 | 2841409.01913 |
| 2 | 293894.942668 | 2841394.81359 |
| 3 | 293894.856087 | 2841394.83826 |
| 4 | 293892.182868 | 2841395.26934 |
| 5 | 293889.750303 | 2841395.33344 |
| 6 | 293887.356683 | 2841395.17242 |
| 7 | 293887.397392 | 2841395.37458 |
| 8 | 293887.548708 | 2841398.06917 |
| 9 | 293887.511648 | 2841399.82814 |
| 10 | 293887.688577 | 2841401.69927 |
| 11 | 293887.738802 | 2841403.66997 |
| 12 | 293887.062234 | 2841406.34044 |
| 13 | 293886.272858 | 2841409.22244 |
| 14 | 293885.145155 | 2841413.33983 |
| 15 | 293883.527989 | 2841415.99782 |
| 16 | 293880.668771 | 2841418.31954 |
| 17 | 293879.502651 | 2841419.33061 |
| 18 | 293876.530629 | 2841422.06406 |
| 19 | 293873.972685 | 2841424.90957 |
| 20 | 293871.076416 | 2841428.99036 |
| 21 | 293868.217293 | 2841431.31198 |
| 22 | 293867.83812 | 2841431.67364 |
| 23 | 293868.822902 | 2841431.98161 |
| 24 | 293873.433438 | 2841433.27085 |
| 25 | 293874.94696 | 2841433.6312 |
| 26 | 293879.856756 | 2841434.60009 |
| 27 | 293880.562376 | 2841434.72615 |
| 28 | 293882.386156 | 2841434.93339 |
| 29 | 293887.998101 | 2841435.31099 |
| 30 | 293889.651899 | 2841435.35375 |
| 31 | 293889.867477 | 2841435.34911 |
| 32 | 293894.573183 | 2841435.22537 |
| 33 | 293895.906751 | 2841435.14566 |
| 34 | 293897.232254 | 2841434.97698 |
| 35 | 293902.387521 | 2841434.1454 |
| 36 | 293902.981094 | 2841434.04041 |
| 37 | 293904.67861 | 2841433.63625 |
| 38 | 293909.311388 | 2841432.3176 |
| 39 | 293910.979554 | 2841431.76222 |
| 40 | 293916.257204 | 2841429.74007 |
| 41 | 293918.319738 | 2841428.81284 |
| 42 | 293920.323705 | 2841427.77201 |
| 43 | 293904.120498 | 2841411.43571 |
| 44 | 293903.660722 | 2841410.9397 |
| 45 | 293903.118921 | 2841410.25592 |
| 46 | 293902.638734 | 2841409.52734 |

POLÍGONO: Ejido San José del Barranco_49

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 293969.741269 | 2841240.63228 |
| 2 | 293965.79943 | 2841237.97244 |
| 3 | 293964.585581 | 2841238.09234 |
| 4 | 293961.677379 | 2841233.5011 |
| 5 | 293960.283409 | 2841231.8094 |
| 6 | 293957.435425 | 2841227.82203 |
| 7 | 293955.314267 | 2841224.98254 |
| 8 | 293954.46718 | 2841222.62702 |
| 9 | 293954.106171 | 2841222.21667 |
| 10 | 293953.428204 | 2841222.73205 |
| 11 | 293952.574809 | 2841223.41857 |
| 12 | 293949.421938 | 2841226.10009 |
| 13 | 293949.28728 | 2841226.21569 |
| 14 | 293947.566052 | 2841227.89758 |
| 15 | 293943.783912 | 2841232.06675 |
| 16 | 293943.255998 | 2841232.67277 |
| 17 | 293940.047728 | 2841236.50846 |
| 18 | 293939.87001 | 2841236.72398 |
| 19 | 293938.559678 | 2841238.53352 |
| 20 | 293935.894085 | 2841242.68455 |
| 21 | 293935.249228 | 2841243.76166 |
| 22 | 293935.066161 | 2841244.09795 |
| 23 | 293932.645801 | 2841248.64738 |
| 24 | 293931.809182 | 2841250.42535 |
| 25 | 293929.368755 | 2841256.35131 |
| 26 | 293928.964155 | 2841257.41941 |
| 27 | 293928.764874 | 2841258.02571 |
| 28 | 293927.668988 | 2841261.54807 |
| 29 | 293927.322151 | 2841262.8059 |
| 30 | 293926.273153 | 2841267.16074 |
| 31 | 293926.106029 | 2841267.91871 |
| 32 | 293925.230353 | 2841272.29248 |
| 33 | 293925.093594 | 2841273.05187 |
| 34 | 293925.012384 | 2841273.6084 |
| 35 | 293924.230079 | 2841279.55147 |
| 36 | 293924.204255 | 2841279.75516 |
| 37 | 293923.602139 | 2841284.7232 |
| 38 | 293923.483028 | 2841286.10705 |
| 39 | 293923.241707 | 2841290.82055 |
| 40 | 293918.9438 | 2841340.23281 |
| 41 | 293918.932973 | 2841340.36133 |
| 42 | 293917.350083 | 2841360.02773 |
| 43 | 293916.44932 | 2841367.73293 |
| 44 | 293915.658035 | 2841372.55642 |
| 45 | 293914.720252 | 2841376.08788 |
| 46 | 293913.195772 | 2841380.23684 |
| 47 | 293912.276481 | 2841381.98231 |
| 48 | 293911.479718 | 2841383.26737 |
| 49 | 293919.388015 | 2841398.42457 |
| 50 | 293936.522951 | 2841415.70021 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 51 | 293939.110369 | 2841413.04788 |
| 52 | 293940.312597 | 2841411.69833 |
| 53 | 293940.98134 | 2841410.82813 |
| 54 | 293943.857154 | 2841406.86496 |
| 55 | 293944.667856 | 2841405.65742 |
| 56 | 293946.646997 | 2841402.46555 |
| 57 | 293947.122711 | 2841401.65635 |
| 58 | 293947.344553 | 2841401.24681 |
| 59 | 293949.210424 | 2841397.70433 |
| 60 | 293949.78944 | 2841396.51065 |
| 61 | 293950.287889 | 2841395.28154 |
| 62 | 293952.590255 | 2841389.01511 |
| 63 | 293952.71531 | 2841388.66508 |
| 64 | 293953.14766 | 2841387.24995 |
| 65 | 293954.572003 | 2841381.88568 |
| 66 | 293954.978112 | 2841379.99063 |
| 67 | 293956.00741 | 2841373.71637 |
| 68 | 293956.130187 | 2841372.83591 |
| 69 | 293957.126459 | 2841364.31307 |
| 70 | 293957.197312 | 2841363.59546 |
| 71 | 293958.803567 | 2841343.63891 |
| 72 | 293963.126959 | 2841293.9336 |
| 73 | 293963.175981 | 2841293.2233 |
| 74 | 293963.400073 | 2841288.8474 |
| 75 | 293963.906057 | 2841284.67211 |
| 76 | 293964.588057 | 2841279.49137 |
| 77 | 293965.256485 | 2841276.15224 |
| 78 | 293966.061763 | 2841272.8096 |
| 79 | 293966.699122 | 2841270.76108 |
| 80 | 293968.425516 | 2841266.56863 |
| 81 | 293969.998792 | 2841263.61158 |
| 82 | 293971.541225 | 2841261.20958 |
| 83 | 293973.683529 | 2841258.64829 |
| 84 | 293976.326355 | 2841255.73482 |
| 85 | 293978.075968 | 2841254.24683 |
| 86 | 293981.047203 | 2841251.98807 |
| 87 | 293983.258243 | 2841250.59037 |
| 88 | 293979.01918 | 2841247.64365 |
| 89 | 293976.471313 | 2841246.67562 |
| 90 | 293971.802383 | 2841242.868 |

POLÍGONO: Ejido San José del Barranco_5

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 287545.31401 | 2843165.06828 |
| 2 | 287546.517401 | 2843164.56605 |
| 3 | 287546.886917 | 2843164.58395 |
| 4 | 287545.655252 | 2843162.53309 |
| 5 | 287544.738495 | 2843160.37752 |
| 6 | 287543.938234 | 2843157.41704 |
| 7 | 287543.362007 | 2843153.8032 |
| 8 | 287543.046182 | 2843148.17109 |
| 9 | 287543.411193 | 2843142.00286 |
| 10 | 287547.667619 | 2843085.48898 |
| 11 | 287547.811312 | 2843083.83972 |
| 12 | 287547.851978 | 2843083.22189 |
| 13 | 287547.897278 | 2843082.00852 |
| 14 | 287548.846175 | 2843061.21266 |
| 15 | 287548.863551 | 2843059.99795 |
| 16 | 287548.848112 | 2843059.46841 |
| 17 | 287548.681809 | 2843055.55949 |
| 18 | 287548.508119 | 2843053.64644 |
| 19 | 287547.750808 | 2843048.21604 |
| 20 | 287547.580503 | 2843047.19039 |
| 21 | 287547.510574 | 2843046.84431 |
| 22 | 287546.561415 | 2843042.35167 |
| 23 | 287546.102909 | 2843040.5843 |
| 24 | 287544.842583 | 2843036.50326 |
| 25 | 287544.414653 | 2843035.2634 |
| 26 | 287544.089322 | 2843034.46427 |
| 27 | 287541.730357 | 2843029.0102 |
| 28 | 287540.820568 | 2843027.17163 |
| 29 | 287538.261459 | 2843022.60544 |
| 30 | 287537.972551 | 2843022.107 |
| 31 | 287537.052732 | 2843020.70758 |
| 32 | 287534.201465 | 2843016.74193 |
| 33 | 287533.227559 | 2843015.49487 |
| 34 | 287529.886814 | 2843011.54832 |
| 35 | 287529.734981 | 2843011.37117 |
| 36 | 287529.103672 | 2843010.67641 |
| 37 | 287525.995472 | 2843007.41338 |
| 38 | 287524.594484 | 2843006.07828 |
| 39 | 287512.273352 | 2842995.42525 |
| 40 | 287511.79475 | 2842995.02423 |
| 41 | 287508.278673 | 2842992.17325 |
| 42 | 287502.666129 | 2842987.54289 |
| 43 | 287468.110121 | 2842959.26135 |
| 44 | 287467.888652 | 2842959.08332 |
| 45 | 287457.193057 | 2842950.61351 |
| 46 | 287455.731274 | 2842949.55944 |
| 47 | 287451.565098 | 2842946.83191 |
| 48 | 287450.331298 | 2842946.08621 |
| 49 | 287449.416756 | 2842945.60826 |
| 50 | 287445.384228 | 2842943.63031 |
| 51 | 287443.115384 | 2842942.68575 |
| 52 | 287442.726455 | 2842942.55565 |
| 53 | 287438.830335 | 2842941.29665 |
| 54 | 287437.69313 | 2842940.96617 |
| 55 | 287434.37783 | 2842940.10785 |
| 56 | 287432.521823 | 2842939.72004 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 57 | 287431.594231 | 2842939.59409 |
| 58 | 287427.758985 | 2842939.16387 |
| 59 | 287426.719106 | 2842939.07451 |
| 60 | 287422.859351 | 2842938.84469 |
| 61 | 287421.34892 | 2842938.81171 |
| 62 | 287419.903169 | 2842938.88731 |
| 63 | 287414.711813 | 2842939.34765 |
| 64 | 287412.680586 | 2842939.63336 |
| 65 | 287408.297692 | 2842940.48276 |
| 66 | 287405.864773 | 2842941.11514 |
| 67 | 287402.008594 | 2842942.38105 |
| 68 | 287401.105862 | 2842942.70167 |
| 69 | 287400.222754 | 2842943.06354 |
| 70 | 287396.46684 | 2842944.70864 |
| 71 | 287394.326866 | 2842945.80352 |
| 72 | 287390.972276 | 2842947.78281 |
| 73 | 287390.659036 | 2842947.8501 |
| 74 | 287389.01831 | 2842949.09665 |
| 75 | 287384.975034 | 2842952.17566 |
| 76 | 287383.99202 | 2842952.97454 |
| 77 | 287383.215894 | 2842953.684 |
| 78 | 287380.457858 | 2842956.34087 |
| 79 | 287379.412981 | 2842957.42636 |
| 80 | 287377.318187 | 2842959.77293 |
| 81 | 287376.713549 | 2842960.48293 |
| 82 | 287376.043796 | 2842961.35561 |
| 83 | 287374.200491 | 2842963.89946 |
| 84 | 287373.240887 | 2842965.35272 |
| 85 | 287371.359974 | 2842968.49063 |
| 86 | 287371.035418 | 2842969.05243 |
| 87 | 287370.476117 | 2842970.13442 |
| 88 | 287369.013482 | 2842973.18839 |
| 89 | 287368.465228 | 2842974.44112 |
| 90 | 287367.175252 | 2842977.68665 |
| 91 | 287366.860079 | 2842978.53532 |
| 92 | 287366.484057 | 2842979.74492 |
| 93 | 287365.364551 | 2842983.79476 |
| 94 | 287365.012188 | 2842985.2915 |
| 95 | 287363.721471 | 2842991.90281 |
| 96 | 287361.340907 | 2843002.11014 |
| 97 | 287359.902456 | 2843006.87426 |
| 98 | 287358.872136 | 2843009.62142 |
| 99 | 287357.028256 | 2843013.22096 |
| 100 | 287356.341458 | 2843014.26364 |
| 101 | 287355.031033 | 2843015.85677 |
| 102 | 287353.580232 | 2843017.29469 |
| 103 | 287352.757452 | 2843018.01138 |
| 104 | 287351.366671 | 2843018.95772 |
| 105 | 287349.000614 | 2843020.20522 |
| 106 | 287347.318869 | 2843020.88008 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 107 | 287345.888419 | 2843021.31232 |
| 108 | 287343.771229 | 2843021.79434 |
| 109 | 287341.843179 | 2843022.06575 |
| 110 | 287339.707432 | 2843022.24092 |
| 111 | 287337.301234 | 2843022.3145 |
| 112 | 287335.339091 | 2843022.28438 |
| 113 | 287332.97372 | 2843022.16726 |
| 114 | 287323.735737 | 2843021.48001 |
| 115 | 287293.554204 | 2843018.92492 |
| 116 | 287293.313073 | 2843018.90607 |
| 117 | 287281.777555 | 2843018.06975 |
| 118 | 287281.338992 | 2843018.0429 |
| 119 | 287274.64149 | 2843017.70509 |
| 120 | 287273.313003 | 2843017.68236 |
| 121 | 287273.13851 | 2843017.68586 |
| 122 | 287268.649078 | 2843017.79706 |
| 123 | 287264.453577 | 2843017.83558 |
| 124 | 287264.315988 | 2843017.83729 |
| 125 | 287261.891919 | 2843018.02398 |
| 126 | 287256.562562 | 2843018.76236 |
| 127 | 287255.518407 | 2843018.93528 |
| 128 | 287255.088366 | 2843019.0231 |
| 129 | 287231.929852 | 2843024.02029 |
| 130 | 287231.669457 | 2843024.07829 |
| 131 | 287213.599211 | 2843028.23037 |
| 132 | 287206.576036 | 2843028.83999 |
| 133 | 287200.874993 | 2843028.56445 |
| 134 | 287194.338754 | 2843027.61847 |
| 135 | 287193.052321 | 2843027.21158 |
| 136 | 287192.373033 | 2843026.86491 |
| 137 | 287183.586952 | 2843020.95528 |
| 138 | 287182.871174 | 2843020.49558 |
| 139 | 287173.884985 | 2843014.99119 |
| 140 | 287173.158852 | 2843014.56714 |
| 141 | 287172.989036 | 2843014.47379 |
| 142 | 287168.046353 | 2843011.78731 |
| 143 | 287166.506576 | 2843011.0341 |
| 144 | 287158.453773 | 2843007.51368 |
| 145 | 287156.980139 | 2843006.93769 |
| 146 | 287156.845121 | 2843006.89143 |
| 147 | 287148.385665 | 2843004.0329 |
| 148 | 287146.771132 | 2843003.56182 |
| 149 | 287138.265014 | 2843001.46424 |
| 150 | 287136.96978 | 2843001.19005 |
| 151 | 287130.460238 | 2843000.03528 |
| 152 | 287130.123049 | 2842999.97841 |
| 153 | 287128.789075 | 2842999.81097 |
| 154 | 287119.463593 | 2842998.95755 |
| 155 | 287117.483803 | 2842998.87493 |
| 156 | 287109.438765 | 2842998.93804 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 157 | 287109.274454 | 2842998.94018 |
| 158 | 287107.913292 | 2842999.00848 |
| 159 | 287096.433265 | 2842999.97734 |
| 160 | 287094.341325 | 2843000.26596 |
| 161 | 287082.778119 | 2843002.48778 |
| 162 | 287081.470751 | 2843002.78513 |
| 163 | 287065.687972 | 2843006.93735 |
| 164 | 287055.169292 | 2843009.09877 |
| 165 | 287047.166467 | 2843009.81091 |
| 166 | 287040.58466 | 2843009.82993 |
| 167 | 287033.726737 | 2843009.4118 |
| 168 | 287018.680925 | 2843007.77533 |
| 169 | 286997.02959 | 2843005.13759 |
| 170 | 286996.035293 | 2843005.04155 |
| 171 | 286982.134698 | 2843004.04896 |
| 172 | 286980.35485 | 2843004.00131 |
| 173 | 286970.300058 | 2843004.19676 |
| 174 | 286968.716896 | 2843004.29046 |
| 175 | 286956.882556 | 2843005.46286 |
| 176 | 286956.057182 | 2843005.56183 |
| 177 | 286944.917822 | 2843007.13526 |
| 178 | 286943.925563 | 2843007.30089 |
| 179 | 286942.878734 | 2843007.53218 |
| 180 | 286931.528464 | 2843010.36033 |
| 181 | 286930.163477 | 2843010.7525 |
| 182 | 286919.453904 | 2843014.24465 |
| 183 | 286918.512559 | 2843014.57789 |
| 184 | 286918.07863 | 2843014.7496 |
| 185 | 286905.060172 | 2843020.07751 |
| 186 | 286904.099414 | 2843020.50066 |
| 187 | 286817.296332 | 2843061.46736 |
| 188 | 286793.21764 | 2843072.71898 |
| 189 | 286792.256552 | 2843073.19984 |
| 190 | 286784.406324 | 2843077.39586 |
| 191 | 286783.631982 | 2843077.83216 |
| 192 | 286774.168321 | 2843083.44477 |
| 193 | 286773.179997 | 2843084.07367 |
| 194 | 286763.816724 | 2843090.42524 |
| 195 | 286762.354119 | 2843091.5182 |
| 196 | 286752.452271 | 2843099.64679 |
| 197 | 286752.041832 | 2843099.99303 |
| 198 | 286751.388114 | 2843100.58545 |
| 199 | 286743.531975 | 2843108.02737 |
| 200 | 286742.54107 | 2843109.03452 |
| 201 | 286736.297232 | 2843115.84788 |
| 202 | 286735.516077 | 2843116.75299 |
| 203 | 286735.158121 | 2843117.20702 |
| 204 | 286726.82366 | 2843128.09926 |
| 205 | 286726.072651 | 2843129.14939 |
| 206 | 286724.485168 | 2843131.52758 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 207 | 286746.823091 | 2843137.23397 |
| 208 | 286747.616675 | 2843137.47204 |
| 209 | 286748.428027 | 2843137.79305 |
| 210 | 286749.208348 | 2843138.18342 |
| 211 | 286749.402921 | 2843138.2944 |
| 212 | 286763.208948 | 2843146.38188 |
| 213 | 286766.391451 | 2843142.22265 |
| 214 | 286771.557355 | 2843136.58597 |
| 215 | 286778.384765 | 2843130.11843 |
| 216 | 286787.03203 | 2843123.01988 |
| 217 | 286795.135898 | 2843117.52233 |
| 218 | 286803.656336 | 2843112.46923 |
| 219 | 286810.640349 | 2843108.73622 |
| 220 | 286834.299359 | 2843097.68083 |
| 221 | 286920.698858 | 2843056.90458 |
| 222 | 286932.552583 | 2843052.05303 |
| 223 | 286941.890893 | 2843049.00797 |
| 224 | 286951.542357 | 2843046.60307 |
| 225 | 286961.239177 | 2843045.2335 |
| 226 | 286971.870802 | 2843044.18019 |
| 227 | 286980.191455 | 2843044.01849 |
| 228 | 286992.687689 | 2843044.91066 |
| 229 | 287013.970272 | 2843047.50379 |
| 230 | 287014.226654 | 2843047.53325 |
| 231 | 287029.873056 | 2843049.23491 |
| 232 | 287030.818335 | 2843049.3152 |
| 233 | 287038.787013 | 2843049.80109 |
| 234 | 287040.06218 | 2843049.83801 |
| 235 | 287048.141334 | 2843049.81487 |
| 236 | 287048.404966 | 2843049.81223 |
| 237 | 287049.857111 | 2843049.73618 |
| 238 | 287059.851859 | 2843048.84644 |
| 239 | 287061.867933 | 2843048.56302 |
| 240 | 287062.104484 | 2843048.51597 |
| 241 | 287074.274135 | 2843046.01531 |
| 242 | 287075.337475 | 2843045.76643 |
| 243 | 287090.99675 | 2843041.64679 |
| 244 | 287100.851314 | 2843039.75328 |
| 245 | 287110.51721 | 2843038.93723 |
| 246 | 287116.805764 | 2843038.68797 |
| 247 | 287124.30331 | 2843039.57392 |
| 248 | 287129.329781 | 2843040.46578 |
| 249 | 287136.375373 | 2843042.20311 |
| 250 | 287143.218989 | 2843044.51573 |
| 251 | 287149.696193 | 2843047.34738 |
| 252 | 287153.428499 | 2843049.37591 |
| 253 | 287161.610418 | 2843054.38753 |
| 254 | 287171.044158 | 2843060.73292 |
| 255 | 287172.486155 | 2843061.61677 |
| 256 | 287173.117236 | 2843061.95305 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 257 | 287176.347781 | 2843063.60146 |
| 258 | 287177.604963 | 2843064.1889 |
| 259 | 287178.900002 | 2843064.68763 |
| 260 | 287179.406926 | 2843064.85549 |
| 261 | 287183.828838 | 2843066.25407 |
| 262 | 287185.253751 | 2843066.64747 |
| 263 | 287186.703954 | 2843066.93443 |
| 264 | 287186.995884 | 2843066.97898 |
| 265 | 287196.09098 | 2843068.29517 |
| 266 | 287197.990287 | 2843068.47815 |
| 267 | 287205.994097 | 2843068.86482 |
| 268 | 287207.28065 | 2843068.88563 |
| 269 | 287208.689598 | 2843068.81328 |
| 270 | 287218.448702 | 2843067.96611 |
| 271 | 287220.508055 | 2843067.67883 |
| 272 | 287221.198308 | 2843067.53301 |
| 273 | 287240.496734 | 2843063.09873 |
| 274 | 287262.795082 | 2843058.28726 |
| 275 | 287266.107113 | 2843057.8285 |
| 276 | 287269.171321 | 2843057.80036 |
| 277 | 287269.308819 | 2843057.79865 |
| 278 | 287269.48331 | 2843057.79506 |
| 279 | 287273.377172 | 2843057.69859 |
| 280 | 287279.104056 | 2843057.9874 |
| 281 | 287290.300703 | 2843058.79695 |
| 282 | 287320.462796 | 2843061.35234 |
| 283 | 287320.666228 | 2843061.36851 |
| 284 | 287330.251076 | 2843062.08168 |
| 285 | 287330.746404 | 2843062.1122 |
| 286 | 287333.70424 | 2843062.25869 |
| 287 | 287334.385899 | 2843062.28074 |
| 288 | 287337.146477 | 2843062.32317 |
| 289 | 287337.774323 | 2843062.32296 |
| 290 | 287338.064253 | 2843062.31612 |
| 291 | 287341.440502 | 2843062.21293 |
| 292 | 287342.464922 | 2843062.15534 |
| 293 | 287345.693019 | 2843061.89069 |
| 294 | 287346.845794 | 2843061.76237 |
| 295 | 287350.179779 | 2843061.29302 |
| 296 | 287351.180868 | 2843061.12628 |
| 297 | 287351.832254 | 2843060.98926 |
| 298 | 287355.447985 | 2843060.16609 |
| 299 | 287356.795126 | 2843059.80953 |
| 300 | 287359.73716 | 2843058.92023 |
| 301 | 287361.091624 | 2843058.45732 |
| 302 | 287361.397353 | 2843058.33761 |
| 303 | 287364.859623 | 2843056.94865 |
| 304 | 287366.741574 | 2843056.07784 |
| 305 | 287371.020595 | 2843053.82161 |
| 306 | 287371.969029 | 2843053.28818 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 307 | 287372.943839 | 2843052.66523 |
| 308 | 287376.250086 | 2843050.41553 |
| 309 | 287378.117959 | 2843048.9765 |
| 310 | 287380.344951 | 2843047.03631 |
| 311 | 287381.286552 | 2843046.16126 |
| 312 | 287383.915272 | 2843043.55589 |
| 313 | 287385.281652 | 2843042.05654 |
| 314 | 287387.911457 | 2843038.85568 |
| 315 | 287387.991073 | 2843038.76243 |
| 316 | 287389.169064 | 2843037.15449 |
| 317 | 287391.039661 | 2843034.31412 |
| 318 | 287391.815574 | 2843033.03422 |
| 319 | 287392.137483 | 2843032.43131 |
| 320 | 287395.002034 | 2843026.83928 |
| 321 | 287395.928128 | 2843024.74366 |
| 322 | 287397.59138 | 2843020.3084 |
| 323 | 287397.766101 | 2843019.82365 |
| 324 | 287398.011312 | 2843019.0665 |
| 325 | 287399.824911 | 2843013.06001 |
| 326 | 287400.156038 | 2843011.82113 |
| 327 | 287402.764839 | 2843000.63549 |
| 328 | 287402.916889 | 2842999.92508 |
| 329 | 287404.129855 | 2842993.71226 |
| 330 | 287404.754257 | 2842991.45296 |
| 331 | 287405.390654 | 2842989.85161 |
| 332 | 287406.153957 | 2842988.25809 |
| 333 | 287407.106596 | 2842986.66881 |
| 334 | 287407.840917 | 2842985.65556 |
| 335 | 287408.757071 | 2842984.62914 |
| 336 | 287410.135955 | 2842983.30081 |
| 337 | 287412.317679 | 2842981.6395 |
| 338 | 287413.619668 | 2842980.87119 |
| 339 | 287415.395399 | 2842980.09348 |
| 340 | 287417.146838 | 2842979.51847 |
| 341 | 287419.272202 | 2842979.10649 |
| 342 | 287421.959397 | 2842978.86827 |
| 343 | 287423.817188 | 2842978.979 |
| 344 | 287425.724854 | 2842979.19298 |
| 345 | 287427.092336 | 2842979.54696 |
| 346 | 287429.058136 | 2842980.18216 |
| 347 | 287430.688764 | 2842980.98188 |
| 348 | 287433.063461 | 2842982.53645 |
| 349 | 287442.925022 | 2842990.34593 |
| 350 | 287477.254554 | 2843018.44207 |
| 351 | 287482.887228 | 2843023.08904 |
| 352 | 287483.012859 | 2843023.19197 |
| 353 | 287486.34678 | 2843025.89518 |
| 354 | 287497.695364 | 2843035.70721 |
| 355 | 287499.731189 | 2843037.84444 |
| 356 | 287502.181802 | 2843040.7394 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 357 | 287503.913139 | 2843043.1472 |
| 358 | 287505.419055 | 2843045.83446 |
| 359 | 287506.938376 | 2843049.34689 |
| 360 | 287507.607932 | 2843051.51528 |
| 361 | 287508.224295 | 2843054.43247 |
| 362 | 287508.75258 | 2843058.22068 |
| 363 | 287508.84075 | 2843060.29635 |
| 364 | 287507.927557 | 2843080.81449 |
| 365 | 287507.890253 | 2843081.43357 |
| 366 | 287503.506855 | 2843139.14193 |
| 367 | 287503.48445 | 2843139.47365 |
| 368 | 287503.041687 | 2843146.95861 |
| 369 | 287503.009331 | 2843148.46088 |
| 370 | 287503.038129 | 2843149.26038 |
| 371 | 287503.475737 | 2843157.06409 |
| 372 | 287503.693919 | 2843159.09352 |
| 373 | 287504.597839 | 2843164.76294 |
| 374 | 287504.710391 | 2843165.40204 |
| 375 | 287505.041429 | 2843166.83321 |
| 376 | 287506.479456 | 2843172.15305 |
| 377 | 287507.104785 | 2843174.075 |
| 378 | 287507.382088 | 2843174.76208 |
| 379 | 287509.384137 | 2843179.46925 |
| 380 | 287509.965401 | 2843180.71523 |
| 381 | 287510.637074 | 2843181.92866 |
| 382 | 287513.780356 | 2843187.16276 |
| 383 | 287515.214093 | 2843189.24068 |
| 384 | 287517.34174 | 2843191.9421 |
| 385 | 287519.704859 | 2843189.71812 |
| 386 | 287520.465774 | 2843188.8376 |
| 387 | 287521.986066 | 2843188.14682 |
| 388 | 287523.697332 | 2843186.70075 |
| 389 | 287524.458157 | 2843185.82024 |
| 390 | 287524.902259 | 2843185.12827 |
| 391 | 287526.296621 | 2843183.87065 |
| 392 | 287528.007888 | 2843182.42459 |
| 393 | 287529.338656 | 2843181.41893 |
| 394 | 287530.733108 | 2843180.16132 |
| 395 | 287531.366647 | 2843179.78432 |
| 396 | 287532.127563 | 2843178.90381 |
| 397 | 287533.141514 | 2843178.0865 |
| 398 | 287534.282844 | 2843176.76578 |
| 399 | 287534.790543 | 2843175.82195 |
| 400 | 287535.489309 | 2843174.12283 |
| 401 | 287537.264177 | 2843172.42501 |
| 402 | 287537.961405 | 2843171.79626 |
| 403 | 287538.722232 | 2843170.91574 |
| 404 | 287540.116686 | 2843169.65813 |
| 405 | 287540.813825 | 2843169.02937 |
| 406 | 287541.638431 | 2843167.89709 |
| 407 | 287542.335659 | 2843167.26834 |
| 408 | 287543.285924 | 2843166.70289 |
| 409 | 287544.869907 | 2843165.76025 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 294062.669053 | 2840873.7101 |
| 2 | 294061.048564 | 2840869.44047 |
| 3 | 294060.546979 | 2840868.24134 |
| 4 | 294057.972988 | 2840862.60909 |
| 5 | 294056.945634 | 2840860.65438 |
| 6 | 294056.51095 | 2840859.96036 |
| 7 | 294054.541063 | 2840856.95408 |
| 8 | 294053.626923 | 2840855.67217 |
| 9 | 294050.555699 | 2840851.70508 |
| 10 | 294049.860509 | 2840850.85636 |
| 11 | 294048.659362 | 2840849.58588 |
| 12 | 294045.031153 | 2840846.0698 |
| 13 | 294043.728912 | 2840844.9133 |
| 14 | 294042.90053 | 2840844.27502 |
| 15 | 294038.56955 | 2840841.11515 |
| 16 | 294036.788981 | 2840839.95561 |
| 17 | 294033.208057 | 2840837.88617 |
| 18 | 294032.930256 | 2840837.72855 |
| 19 | 294030.773189 | 2840836.69135 |
| 20 | 294025.983731 | 2840834.73186 |
| 21 | 294024.9584 | 2840834.34487 |
| 22 | 294023.283985 | 2840833.84549 |
| 23 | 294017.030401 | 2840832.27416 |
| 24 | 294015.323256 | 2840831.92357 |
| 25 | 294013.676512 | 2840831.7291 |
| 26 | 294008.991756 | 2840831.37182 |
| 27 | 294007.160953 | 2840831.31643 |
| 28 | 294006.888764 | 2840831.32245 |
| 29 | 294002.373703 | 2840831.45413 |
| 30 | 294001.053389 | 2840831.53631 |
| 31 | 293999.741383 | 2840831.70576 |
| 32 | 293995.090908 | 2840832.46308 |
| 33 | 293994.527304 | 2840832.56312 |
| 34 | 293992.732157 | 2840832.99528 |
| 35 | 293987.878568 | 2840834.40351 |
| 36 | 293986.320171 | 2840834.92607 |
| 37 | 293985.73328 | 2840835.1607 |
| 38 | 293981.296559 | 2840837.01668 |
| 39 | 293979.998615 | 2840837.61482 |
| 40 | 293978.732387 | 2840838.31293 |
| 41 | 293974.379236 | 2840840.92708 |
| 42 | 293973.250689 | 2840841.65742 |
| 43 | 293972.173686 | 2840842.46191 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 44 | 293968.128719 | 2840845.70129 |
| 45 | 293967.538054 | 2840846.19308 |
| 46 | 293966.242654 | 2840847.4202 |
| 47 | 293962.667091 | 2840851.12316 |
| 48 | 293961.535735 | 2840852.39945 |
| 49 | 293960.858119 | 2840853.28195 |
| 50 | 293957.380867 | 2840858.08157 |
| 51 | 293956.103224 | 2840860.08571 |
| 52 | 293955.92647 | 2840860.41024 |
| 53 | 293954.027512 | 2840863.97386 |
| 54 | 293953.253066 | 2840865.59948 |
| 55 | 293951.38116 | 2840870.03276 |
| 56 | 293950.90802 | 2840871.26505 |
| 57 | 293950.631921 | 2840872.12427 |
| 58 | 293949.012711 | 2840877.58165 |
| 59 | 293948.551606 | 2840879.46679 |
| 60 | 293947.698554 | 2840883.86979 |
| 61 | 293947.599575 | 2840884.42222 |
| 62 | 293946.800532 | 2840889.27323 |
| 63 | 293946.674825 | 2840890.17485 |
| 64 | 293945.721074 | 2840898.3865 |
| 65 | 293940.944317 | 2840938.93385 |
| 66 | 293940.917359 | 2840939.17514 |
| 67 | 293939.780536 | 2840949.94964 |
| 68 | 293939.693394 | 2840951.08396 |
| 69 | 293939.451562 | 2840956.09174 |
| 70 | 293939.430726 | 2840957.36684 |
| 71 | 293939.447259 | 2840957.92554 |
| 72 | 293939.662349 | 2840962.87251 |
| 73 | 293939.749305 | 2840964.05804 |
| 74 | 293940.272361 | 2840969.12221 |
| 75 | 293940.526715 | 2840970.84636 |
| 76 | 293940.627057 | 2840971.33539 |
| 77 | 293941.611817 | 2840975.84429 |
| 78 | 293941.878951 | 2840977.19345 |
| 79 | 293942.277179 | 2840978.83703 |
| 80 | 293942.812875 | 2840980.44101 |
| 81 | 293943.064367 | 2840981.06792 |
| 82 | 293944.510377 | 2840984.50395 |
| 83 | 293945.020134 | 2840985.61824 |
| 84 | 293947.238068 | 2840990.09892 |
| 85 | 293947.999276 | 2840991.49441 |
| 86 | 293948.347364 | 2840992.05514 |
| 87 | 293951.062957 | 2840996.27228 |
| 88 | 293951.87075 | 2840997.43426 |
| 89 | 293952.758689 | 2840998.53629 |
| 90 | 293952.864164 | 2840998.65683 |
| 91 | 293956.210259 | 2841002.45919 |
| 92 | 293957.306054 | 2841003.61098 |
| 93 | 293960.683813 | 2841006.88122 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 94 | 293961.444603 | 2841007.58114 |
| 95 | 293965.413933 | 2841011.04755 |
| 96 | 293965.95327 | 2841011.50217 |
| 97 | 293966.774156 | 2841012.13498 |
| 98 | 293976.349677 | 2841019.12799 |
| 99 | 293976.520652 | 2841019.2515 |
| 100 | 293995.226127 | 2841032.61215 |
| 101 | 294008.957867 | 2841042.50756 |
| 102 | 294018.646398 | 2841049.72087 |
| 103 | 294021.629692 | 2841052.26665 |
| 104 | 294024.446194 | 2841054.92345 |
| 105 | 294026.638493 | 2841057.27234 |
| 106 | 294027.385179 | 2841058.29745 |
| 107 | 294029.79365 | 2841062.09913 |
| 108 | 294030.788433 | 2841064.39965 |
| 109 | 294031.965453 | 2841067.84584 |
| 110 | 294032.893523 | 2841071.30557 |
| 111 | 294033.534057 | 2841074.85876 |
| 112 | 294034.031515 | 2841078.78238 |
| 113 | 294036.018796 | 2841102.25352 |
| 114 | 294038.550553 | 2841133.0613 |
| 115 | 294040.837483 | 2841161.61203 |
| 116 | 294041.404408 | 2841170.38304 |
| 117 | 294042.518146 | 2841170.9576 |
| 118 | 294056.069313 | 2841176.53833 |
| 119 | 294056.845479 | 2841176.89749 |
| 120 | 294057.609363 | 2841177.29153 |
| 121 | 294059.903011 | 2841178.47419 |
| 122 | 294060.185129 | 2841178.62537 |
| 123 | 294060.928051 | 2841179.08271 |
| 124 | 294061.628423 | 2841179.6031 |
| 125 | 294062.209808 | 2841180.11427 |
| 126 | 294062.749967 | 2841180.66903 |
| 127 | 294078.336943 | 2841197.97017 |
| 128 | 294078.425251 | 2841197.73083 |
| 129 | 294078.995979 | 2841195.76347 |
| 130 | 294080.098252 | 2841191.07867 |
| 131 | 294080.377569 | 2841189.66463 |
| 132 | 294080.474827 | 2841188.98368 |
| 133 | 294081.103815 | 2841183.96232 |
| 134 | 294081.212586 | 2841182.83624 |
| 135 | 294081.551537 | 2841177.86323 |
| 136 | 294081.595267 | 2841176.18308 |
| 137 | 294081.50983 | 2841171.0042 |
| 138 | 294081.470899 | 2841170.04364 |
| 139 | 294080.749072 | 2841158.87786 |
| 140 | 294080.726883 | 2841158.57117 |
| 141 | 294078.42469 | 2841129.82864 |
| 142 | 294075.885237 | 2841098.92631 |
| 143 | 294073.858794 | 2841074.99299 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 144 | 294073.771255 | 2841074.16473 |
| 145 | 294073.155457 | 2841069.30699 |
| 146 | 294072.996813 | 2841068.27305 |
| 147 | 294072.114909 | 2841063.38247 |
| 148 | 294072.072157 | 2841063.15323 |
| 149 | 294071.749373 | 2841061.74943 |
| 150 | 294070.430805 | 2841056.83404 |
| 151 | 294070.040184 | 2841055.55148 |
| 152 | 294068.390512 | 2841050.72115 |
| 153 | 294068.149332 | 2841050.05412 |
| 154 | 294067.821558 | 2841049.24822 |
| 155 | 294065.890724 | 2841044.7824 |
| 156 | 294065.331565 | 2841043.59733 |
| 157 | 294064.696072 | 2841042.45141 |
| 158 | 294064.427591 | 2841042.0154 |
| 159 | 294060.830916 | 2841036.33644 |
| 160 | 294060.101557 | 2841035.26592 |
| 161 | 294058.258191 | 2841032.73522 |
| 162 | 294057.211953 | 2841031.41919 |
| 163 | 294056.713608 | 2841030.86487 |
| 164 | 294053.257471 | 2841027.16186 |
| 165 | 294052.359797 | 2841026.25938 |
| 166 | 294048.71771 | 2841022.82374 |
| 167 | 294047.976706 | 2841022.15869 |
| 168 | 294044.109594 | 2841018.85879 |
| 169 | 294043.743264 | 2841018.55365 |
| 170 | 294043.070469 | 2841018.03015 |
| 171 | 294032.725659 | 2841010.32804 |
| 172 | 294032.474731 | 2841010.14439 |
| 173 | 294018.542785 | 2841000.10478 |
| 174 | 293999.85729 | 2840986.75813 |
| 175 | 293991.071889 | 2840980.34218 |
| 176 | 293988.149066 | 2840977.78968 |
| 177 | 293985.715857 | 2840975.43248 |
| 178 | 293983.88625 | 2840973.35321 |
| 179 | 293982.591157 | 2840971.34227 |
| 180 | 293981.1452 | 2840968.42084 |
| 181 | 293980.730372 | 2840967.44699 |
| 182 | 293979.950331 | 2840963.89617 |
| 183 | 293979.603709 | 2840960.53913 |
| 184 | 293979.45428 | 2840957.10378 |
| 185 | 293979.624365 | 2840953.58137 |
| 186 | 293980.68879 | 2840943.49311 |
| 187 | 293985.45512 | 2840903.03444 |
| 188 | 293986.357511 | 2840895.26496 |
| 189 | 293987.026425 | 2840891.20454 |
| 190 | 293987.641617 | 2840888.02908 |
| 191 | 293988.668007 | 2840884.5698 |
| 192 | 293989.756663 | 2840881.99159 |
| 193 | 293990.584696 | 2840880.43779 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 194 | 293992.426194 | 2840877.89593 |
| 195 | 293994.133051 | 2840876.12837 |
| 196 | 293996.128725 | 2840874.53003 |
| 197 | 293998.071051 | 2840873.36362 |
| 198 | 294000.119959 | 2840872.50668 |
| 199 | 294002.716755 | 2840871.75314 |
| 200 | 294004.863668 | 2840871.40351 |
| 201 | 294007.001405 | 2840871.34112 |
| 202 | 294008.935592 | 2840871.48868 |
| 203 | 294012.153671 | 2840872.29714 |
| 204 | 294014.367304 | 2840873.20281 |
| 205 | 294015.850029 | 2840874.05974 |
| 206 | 294018.193457 | 2840875.76959 |
| 207 | 294019.795258 | 2840877.32195 |
| 208 | 294021.511683 | 2840879.53891 |
| 209 | 294022.218204 | 2840880.61726 |
| 210 | 294023.687656 | 2840884.27047 |
| 211 | 294024.903455 | 2840886.94665 |
| 212 | 294026.025856 | 2840891.16113 |
| 213 | 294026.793081 | 2840894.64907 |
| 214 | 294029.933997 | 2840912.88551 |
| 215 | 294029.963012 | 2840913.05009 |
| 216 | 294032.000918 | 2840924.31871 |
| 217 | 294032.041797 | 2840924.53782 |
| 218 | 294032.227975 | 2840925.40211 |
| 219 | 294033.922682 | 2840932.50375 |
| 220 | 294034.142335 | 2840933.34292 |
| 221 | 294035.401267 | 2840937.76037 |
| 222 | 294035.768412 | 2840938.91484 |
| 223 | 294038.393021 | 2840946.37684 |
| 224 | 294038.574556 | 2840946.87229 |
| 225 | 294038.822386 | 2840947.49049 |
| 226 | 294040.974732 | 2840952.61138 |
| 227 | 294041.254327 | 2840953.24552 |
| 228 | 294046.819771 | 2840965.29987 |
| 229 | 294046.941554 | 2840965.55887 |
| 230 | 294070.109184 | 2841013.90842 |
| 231 | 294072.732326 | 2841019.92796 |
| 232 | 294075.72731 | 2841027.25388 |
| 233 | 294077.602189 | 2841032.46687 |
| 234 | 294078.749477 | 2841036.34882 |
| 235 | 294079.997521 | 2841040.68871 |
| 236 | 294082.075257 | 2841049.67415 |
| 237 | 294100.651331 | 2841147.38362 |
| 238 | 294110.887335 | 2841201.62301 |
| 239 | 294144.455383 | 2841163.77301 |
| 240 | 294139.956329 | 2841139.93296 |
| 241 | 294121.298457 | 2841041.79293 |
| 242 | 294121.140172 | 2841041.04379 |
| 243 | 294118.854726 | 2841031.1603 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 244 | 294118.589799 | 2841030.13838 |
| 245 | 294117.176919 | 2841025.23249 |
| 246 | 294117.137997 | 2841025.09201 |
| 247 | 294115.802378 | 2841020.57251 |
| 248 | 294115.442218 | 2841019.47184 |
| 249 | 294113.226737 | 2841013.31193 |
| 250 | 294113.092331 | 2841012.94938 |
| 251 | 294112.919561 | 2841012.51219 |
| 252 | 294109.676302 | 2841004.57875 |
| 253 | 294109.498266 | 2841004.15728 |
| 254 | 294106.638973 | 2840997.59589 |
| 255 | 294106.34049 | 2840996.94321 |
| 256 | 294083.081423 | 2840948.40299 |
| 257 | 294077.72029 | 2840936.79111 |
| 258 | 294075.933662 | 2840932.5401 |
| 259 | 294073.707864 | 2840926.21194 |
| 260 | 294072.734523 | 2840922.79676 |
| 261 | 294071.268663 | 2840916.65422 |
| 262 | 294069.34538 | 2840906.01901 |
| 263 | 294066.139519 | 2840887.40588 |
| 264 | 294066.069625 | 2840887.02221 |
| 265 | 294065.962781 | 2840886.50377 |
| 266 | 294065.002991 | 2840882.14067 |
| 267 | 294064.796358 | 2840881.29074 |
| 268 | 294063.297452 | 2840875.66114 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 294160.263568 | 2841247.53905 |
| 2 | 294144.455383 | 2841163.77301 |
| 3 | 294110.887335 | 2841201.62301 |
| 4 | 294120.923387 | 2841254.80288 |
| 5 | 294122.599824 | 2841264.50867 |
| 6 | 294122.725525 | 2841265.53245 |
| 7 | 294129.028711 | 2841274.83599 |
| 8 | 294129.628329 | 2841275.31768 |
| 9 | 294130.303253 | 2841275.91559 |
| 10 | 294130.902613 | 2841276.54966 |
| 11 | 294131.417922 | 2841277.19699 |
| 12 | 294132.577989 | 2841278.78511 |
| 13 | 294133.738608 | 2841280.37392 |
| 14 | 294134.245268 | 2841281.13887 |
| 15 | 294134.320677 | 2841281.26715 |
| 16 | 294148.587055 | 2841305.94082 |
| 17 | 294154.819661 | 2841313.4507 |
| 18 | 294155.579771 | 2841311.92018 |
| 19 | 294155.762555 | 2841311.54214 |
| 20 | 294157.861632 | 2841307.08375 |
| 21 | 294158.664484 | 2841305.11259 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 22 | 294158.916782 | 2841304.32656 |
| 23 | 294161.068635 | 2841297.18061 |
| 24 | 294161.471916 | 2841295.61317 |
| 25 | 294162.517019 | 2841290.74072 |
| 26 | 294162.709591 | 2841289.71299 |
| 27 | 294162.753375 | 2841289.42681 |
| 28 | 294163.411374 | 2841284.90606 |
| 29 | 294163.581796 | 2841283.25973 |
| 30 | 294163.704181 | 2841281.28209 |
| 31 | 294163.733713 | 2841280.63608 |
| 32 | 294163.841251 | 2841276.98558 |
| 33 | 294163.847436 | 2841276.08621 |
| 34 | 294163.808217 | 2841275.10672 |
| 35 | 294163.493992 | 2841270.2434 |
| 36 | 294163.422216 | 2841269.40643 |
| 37 | 294162.87336 | 2841264.33847 |
| 38 | 294162.84019 | 2841264.03405 |
| 39 | 294162.656579 | 2841262.6825 |
| 40 | 294162.248151 | 2841259.1571 |
| 41 | 294162.104634 | 2841258.18382 |
| 42 | 294160.318688 | 2841247.84384 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 294119.48132 | 2841297.81556 |
| 2 | 294118.358419 | 2841296.89992 |
| 3 | 294116.807618 | 2841299.49716 |
| 4 | 294115.120216 | 2841301.76476 |
| 5 | 294113.156459 | 2841304.08359 |
| 6 | 294111.163614 | 2841306.02349 |
| 7 | 294109.543016 | 2841307.55052 |
| 8 | 294127.171454 | 2841344.20799 |
| 9 | 294129.985212 | 2841342.27619 |
| 10 | 294130.810002 | 2841341.67842 |
| 11 | 294134.483432 | 2841338.87097 |
| 12 | 294135.430701 | 2841338.10009 |
| 13 | 294136.055439 | 2841337.53562 |
| 14 | 294138.715516 | 2841335.02681 |
| 15 | 294138.948654 | 2841334.80555 |
| 16 | 294141.750171 | 2841332.0788 |
| 17 | 294143.063324 | 2841330.67124 |
| 18 | 294143.090726 | 2841330.63883 |
| 19 | 294132.655621 | 2841318.06518 |
| 20 | 294132.188314 | 2841317.45588 |
| 21 | 294131.769063 | 2841316.81254 |
| 22 | 294131.693653 | 2841316.68426 |
| 23 | 294121.658794 | 2841299.32909 |

POLÍGONO: Ejido San José del Barranco_53

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 294128.221857 | 2841531.04411 |
| 2 | 294116.271739 | 2841462.3967 |
| 3 | 294116.235362 | 2841462.19407 |
| 4 | 294113.899782 | 2841449.54916 |
| 5 | 294112.263139 | 2841438.91607 |
| 6 | 294111.954396 | 2841435.08229 |
| 7 | 294111.851275 | 2841431.46944 |
| 8 | 294112.014505 | 2841428.66215 |
| 9 | 294112.454792 | 2841426.27957 |
| 10 | 294113.202914 | 2841423.91921 |
| 11 | 294114.188155 | 2841421.91812 |
| 12 | 294115.498188 | 2841419.82738 |
| 13 | 294115.572039 | 2841419.73883 |
| 14 | 294113.15848 | 2841419.19421 |
| 15 | 294111.217114 | 2841418.16572 |
| 16 | 294104.178547 | 2841415.20004 |
| 17 | 294102.644188 | 2841414.1117 |
| 18 | 294100.175564 | 2841411.93532 |
| 19 | 294098.841294 | 2841410.84698 |
| 20 | 294096.839801 | 2841409.21462 |
| 21 | 294095.445497 | 2841407.52241 |
| 22 | 294093.323933 | 2841404.68222 |
| 23 | 294090.595269 | 2841401.90187 |
| 24 | 294087.926729 | 2841399.7254 |
| 25 | 294086.532424 | 2841398.03329 |
| 26 | 294084.531016 | 2841396.40083 |
| 27 | 294083.680153 | 2841395.53379 |
| 28 | 294082.318968 | 2841397.43579 |
| 29 | 294079.744203 | 2841401.54513 |
| 30 | 294079.218786 | 2841402.43402 |
| 31 | 294078.749285 | 2841403.32983 |
| 32 | 294076.646005 | 2841407.60185 |
| 33 | 294075.691208 | 2841409.88849 |
| 34 | 294075.523755 | 2841410.39294 |
| 35 | 294073.943755 | 2841415.37775 |
| 36 | 294073.341709 | 2841417.78756 |
| 37 | 294072.448656 | 2841422.62058 |
| 38 | 294072.368127 | 2841423.08752 |
| 39 | 294072.149572 | 2841425.09356 |
| 40 | 294071.863439 | 2841430.01223 |
| 41 | 294071.832193 | 2841431.48401 |
| 42 | 294071.837859 | 2841431.74432 |
| 43 | 294071.980529 | 2841436.74075 |
| 44 | 294072.036865 | 2841437.77528 |
| 45 | 294072.445314 | 2841442.848 |
| 46 | 294072.613567 | 2841444.28579 |
| 47 | 294072.984966 | 2841446.69832 |
| 48 | 294071.818087 | 2841443.58322 |
| 49 | 294071.774299 | 2841443.4675 |
| 50 | 294071.291755 | 2841442.31293 |
| 51 | 294069.628312 | 2841438.65843 |
| 52 | 294069.249652 | 2841437.87246 |
| 53 | 294066.851502 | 2841433.16047 |
| 54 | 294066.190319 | 2841431.98423 |
| 55 | 294065.819951 | 2841431.36926 |
| 56 | 294063.6863 | 2841428.07065 |
| 57 | 294063.490608 | 2841427.77393 |
| 58 | 294058.958653 | 2841421.03353 |
| 59 | 294052.874105 | 2841411.57885 |
| 60 | 294049.97465 | 2841405.96471 |
| 61 | 294049.0011 | 2841403.52385 |
| 62 | 294047.995325 | 2841400.08925 |
| 63 | 294047.690627 | 2841397.41887 |
| 64 | 294047.716638 | 2841395.64492 |
| 65 | 294047.993851 | 2841393.09545 |
| 66 | 294048.492097 | 2841391.13699 |
| 67 | 294049.42553 | 2841388.99848 |
| 68 | 294050.651011 | 2841386.74352 |
| 69 | 294052.00458 | 2841384.87472 |
| 70 | 294053.866615 | 2841382.94471 |
| 71 | 294056.424325 | 2841380.86659 |
| 72 | 294060.187054 | 2841378.39146 |
| 73 | 294063.031364 | 2841376.77089 |
| 74 | 294062.942971 | 2841376.57415 |
| 75 | 294060.214569 | 2841373.794 |
| 76 | 294057.54611 | 2841371.61763 |
| 77 | 294054.09053 | 2841367.6894 |
| 78 | 294052.69631 | 2841365.99739 |
| 79 | 294048.57359 | 2841361.52514 |
| 80 | 294046.999348 | 2841358.02143 |
| 81 | 294046.518869 | 2841353.19009 |
| 82 | 294046.158557 | 2841349.56669 |
| 83 | 294045.317857 | 2841341.11194 |
| 84 | 294045.29046 | 2841340.83633 |
| 85 | 294039.826059 | 2841343.94964 |
| 86 | 294039.459308 | 2841344.16371 |
| 87 | 294038.735872 | 2841344.61781 |
| 88 | 294033.598715 | 2841347.99691 |
| 89 | 294031.976928 | 2841349.18475 |
| 90 | 294027.698294 | 2841352.66144 |
| 91 | 294027.218963 | 2841353.06361 |
| 92 | 294025.917653 | 2841354.2967 |
| 93 | 294022.236506 | 2841358.11201 |
| 94 | 294021.11079 | 2841359.38244 |
| 95 | 294020.431965 | 2841360.26684 |
| 96 | 294017.49425 | 2841364.32253 |
| 97 | 294016.217894 | 2841366.32506 |
| 98 | 294016.119001 | 2841366.50488 |
| 99 | 294013.864096 | 2841370.65391 |
| 100 | 294013.106555 | 2841372.20323 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 101 | 294011.176565 | 2841376.62515 |
| 102 | 294010.608621 | 2841378.07845 |
| 103 | 294010.123766 | 2841379.6951 |
| 104 | 294008.876206 | 2841384.59881 |
| 105 | 294008.51096 | 2841386.36367 |
| 106 | 294008.375754 | 2841387.36859 |
| 107 | 294007.844736 | 2841392.25261 |
| 108 | 294007.729629 | 2841394.12161 |
| 109 | 294007.671105 | 2841398.11665 |
| 110 | 294007.67136 | 2841398.72045 |
| 111 | 294007.797922 | 2841400.67739 |
| 112 | 294008.442884 | 2841406.33021 |
| 113 | 294008.674056 | 2841407.84166 |
| 114 | 294009.120153 | 2841409.68441 |
| 115 | 294010.875009 | 2841415.67706 |
| 116 | 294011.383585 | 2841417.18759 |
| 117 | 294011.49249 | 2841417.46653 |
| 118 | 294013.177438 | 2841421.69051 |
| 119 | 294013.983939 | 2841423.45741 |
| 120 | 294017.765866 | 2841430.78105 |
| 121 | 294018.373039 | 2841431.87181 |
| 122 | 294018.718058 | 2841432.4277 |
| 123 | 294025.425772 | 2841442.8505 |
| 124 | 294025.646637 | 2841443.18639 |
| 125 | 294030.193395 | 2841449.94887 |
| 126 | 294031.668263 | 2841452.22888 |
| 127 | 294033.398281 | 2841455.62812 |
| 128 | 294034.596599 | 2841458.26081 |
| 129 | 294035.978287 | 2841461.94948 |
| 130 | 294036.896834 | 2841465.44852 |
| 131 | 294037.522516 | 2841468.90646 |
| 132 | 294037.852836 | 2841472.06375 |
| 133 | 294038.013886 | 2841475.98633 |
| 134 | 294037.831722 | 2841480.02753 |
| 135 | 294037.583627 | 2841482.99798 |
| 136 | 294037.48013 | 2841483.4861 |
| 137 | 294056.799003 | 2841503.00107 |
| 138 | 294059.255726 | 2841505.20993 |
| 139 | 294059.800158 | 2841505.73821 |
| 140 | 294060.753281 | 2841506.7358 |
| 141 | 294061.082554 | 2841507.09781 |
| 142 | 294061.624343 | 2841507.7816 |
| 143 | 294062.104427 | 2841508.51019 |
| 144 | 294062.615929 | 2841509.48255 |
| 145 | 294067.370195 | 2841519.87082 |
| 146 | 294070.130497 | 2841512.53818 |
| 147 | 294073.419338 | 2841504.1978 |
| 148 | 294073.71133 | 2841503.40899 |
| 149 | 294074.169356 | 2841501.89641 |
| 150 | 294075.684652 | 2841496.07183 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 151 | 294075.894026 | 2841495.18475 |
| 152 | 294076.979575 | 2841490.06492 |
| 153 | 294077.162197 | 2841489.08338 |
| 154 | 294077.34513 | 2841487.58085 |
| 155 | 294077.729777 | 2841482.97585 |
| 156 | 294077.778874 | 2841482.21184 |
| 157 | 294078.017068 | 2841476.92757 |
| 158 | 294078.010268 | 2841475.72157 |
| 159 | 294088.792384 | 2841537.80564 |
| 160 | 294090.329726 | 2841547.18922 |
| 161 | 294091.086169 | 2841555.47108 |
| 162 | 294091.092603 | 2841556.39756 |
| 163 | 294104.707656 | 2841575.15556 |
| 164 | 294105.196407 | 2841575.89598 |
| 165 | 294105.537243 | 2841576.51442 |
| 166 | 294106.922649 | 2841579.25184 |
| 167 | 294117.988174 | 2841594.85551 |
| 168 | 294118.143573 | 2841594.65678 |
| 169 | 294118.453589 | 2841594.24957 |
| 170 | 294121.254077 | 2841590.47147 |
| 171 | 294121.992819 | 2841589.40427 |
| 172 | 294122.660684 | 2841588.29123 |
| 173 | 294122.836551 | 2841587.96832 |
| 174 | 294125.02309 | 2841583.86621 |
| 175 | 294126.017903 | 2841581.69715 |
| 176 | 294127.419393 | 2841578.08735 |
| 177 | 294127.672906 | 2841577.3968 |
| 178 | 294127.852661 | 2841576.85299 |
| 179 | 294128.855608 | 2841573.66604 |
| 180 | 294129.411294 | 2841571.47509 |
| 181 | 294130.034115 | 2841568.26843 |
| 182 | 294130.148703 | 2841567.62199 |
| 183 | 294130.198115 | 2841567.29715 |
| 184 | 294130.684637 | 2841563.90814 |
| 185 | 294130.753539 | 2841563.37861 |
| 186 | 294130.982776 | 2841561.40688 |
| 187 | 294131.116384 | 2841558.95641 |
| 188 | 294131.084271 | 2841554.35021 |
| 189 | 294131.082252 | 2841554.17933 |
| 190 | 294131.001852 | 2841552.67042 |
| 191 | 294130.104008 | 2841542.84014 |
| 192 | 294129.923752 | 2841541.42566 |
| 193 | 294128.255161 | 2841531.24071 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 294143.660893 | 2841373.88945 |
| 2 | 294141.167348 | 2841373.31198 |
| 3 | 294168.149845 | 2841429.42138 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 4 | 294186.383269 | 2841439.51714 |
| 5 | 294186.587738 | 2841439.62887 |
| 6 | 294192.770133 | 2841442.95856 |
| 7 | 294193.502004 | 2841443.33346 |
| 8 | 294197.674727 | 2841445.36415 |
| 9 | 294198.063458 | 2841445.54826 |
| 10 | 294202.309136 | 2841447.50258 |
| 11 | 294204.124221 | 2841448.23279 |
| 12 | 294204.333571 | 2841448.30408 |
| 13 | 294209.222665 | 2841449.9378 |
| 14 | 294209.864173 | 2841450.14021 |
| 15 | 294213.725181 | 2841451.28752 |
| 16 | 294215.778256 | 2841451.78145 |
| 17 | 294219.292564 | 2841452.43278 |
| 18 | 294219.769752 | 2841452.51527 |
| 19 | 294221.260169 | 2841452.69704 |
| 20 | 294224.963 | 2841453.00862 |
| 21 | 294226.710957 | 2841453.07906 |
| 22 | 294229.958062 | 2841453.06746 |
| 23 | 294229.753904 | 2841451.01377 |
| 24 | 294229.51351 | 2841448.59761 |
| 25 | 294227.758499 | 2841443.28099 |
| 26 | 294227.398134 | 2841439.65679 |
| 27 | 294224.488505 | 2841435.06393 |
| 28 | 294222.186242 | 2841430.41113 |
| 29 | 294220.124192 | 2841428.17449 |
| 30 | 294218.122172 | 2841426.54182 |
| 31 | 294215.940059 | 2841423.09716 |
| 32 | 294213.817976 | 2841420.25655 |
| 33 | 294212.24314 | 2841416.75204 |
| 34 | 294211.575739 | 2841416.20782 |
| 35 | 294207.999061 | 2841411.07084 |
| 36 | 294206.544195 | 2841408.77436 |
| 37 | 294205.816853 | 2841407.62617 |
| 38 | 294204.124667 | 2841403.61265 |
| 39 | 294172.945764 | 2841386.349 |
| 40 | 294172.652053 | 2841386.18953 |
| 41 | 294163.079825 | 2841381.09655 |
| 42 | 294161.588606 | 2841380.38066 |
| 43 | 294152.330067 | 2841376.39775 |
| 44 | 294150.974552 | 2841375.87228 |
| 45 | 294149.54066 | 2841375.43472 |
| 46 | 294144.262569 | 2841374.03876 |

POLÍGONO: Ejido San José del Barranco_55A

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 294369.111411 | 2841437.87144 |
| 2 | 294406.93097 | 2841425.92692 |
| 3 | 294426.132611 | 2841419.94421 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 4 | 294426.513332 | 2841419.82141 |
| 5 | 294431.326642 | 2841418.21545 |
| 6 | 294432.015413 | 2841417.97148 |
| 7 | 294436.718294 | 2841416.20898 |
| 8 | 294436.830159 | 2841416.16669 |
| 9 | 294438.057813 | 2841415.65079 |
| 10 | 294443.582058 | 2841413.10962 |
| 11 | 294445.102457 | 2841412.32989 |
| 12 | 294449.41299 | 2841409.88128 |
| 13 | 294449.801674 | 2841409.65462 |
| 14 | 294451.28842 | 2841408.67282 |
| 15 | 294454.602804 | 2841406.26545 |
| 16 | 294455.512057 | 2841405.56405 |
| 17 | 294459.352123 | 2841402.42316 |
| 18 | 294459.780721 | 2841402.06235 |
| 19 | 294460.679177 | 2841401.23516 |
| 20 | 294463.49936 | 2841398.4747 |
| 21 | 294465.02782 | 2841396.79866 |
| 22 | 294465.237686 | 2841396.53611 |
| 23 | 294468.78393 | 2841392.02137 |
| 24 | 294469.870869 | 2841390.49567 |
| 25 | 294472.710041 | 2841386.08695 |
| 26 | 294473.368689 | 2841384.96853 |
| 27 | 294474.142374 | 2841383.44626 |
| 28 | 294476.205519 | 2841378.84876 |
| 29 | 294476.721197 | 2841377.58603 |
| 30 | 294478.059957 | 2841373.95902 |
| 31 | 294478.195164 | 2841373.58143 |
| 32 | 294478.583501 | 2841372.32965 |
| 33 | 294480.142892 | 2841366.65164 |
| 34 | 294480.604686 | 2841364.52206 |
| 35 | 294480.632866 | 2841364.34165 |
| 36 | 294481.380576 | 2841359.39132 |
| 37 | 294481.448627 | 2841358.89908 |
| 38 | 294482.132258 | 2841353.46145 |
| 39 | 294482.238133 | 2841352.38544 |
| 40 | 294482.460008 | 2841349.26633 |
| 41 | 294482.141742 | 2841348.5125 |
| 42 | 294481.7796 | 2841347.65461 |
| 43 | 294481.408454 | 2841345.48093 |
| 44 | 294480.840697 | 2841344.32059 |
| 45 | 294480.116506 | 2841342.60491 |
| 46 | 294479.548751 | 2841341.44477 |
| 47 | 294479.137435 | 2841340.84026 |
| 48 | 294478.569681 | 2841339.68012 |
| 49 | 294478.051191 | 2841338.26659 |
| 50 | 294477.639963 | 2841337.66198 |
| 51 | 294476.562545 | 2841336.4042 |
| 52 | 294475.847357 | 2841336.00421 |
| 53 | 294475.181254 | 2841335.35084 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 54 | 294474.260454 | 2841334.64869 |
| 55 | 294473.330557 | 2841332.63066 |
| 56 | 294472.606361 | 2841330.91478 |
| 57 | 294472.499097 | 2841330.10576 |
| 58 | 294472.284386 | 2841328.48762 |
| 59 | 294472.480991 | 2841327.47399 |
| 60 | 294472.726772 | 2841326.20697 |
| 61 | 294472.619417 | 2841325.39795 |
| 62 | 294472.561324 | 2841324.33535 |
| 63 | 294472.807104 | 2841323.06833 |
| 64 | 294472.748833 | 2841322.00593 |
| 65 | 294472.690742 | 2841320.94342 |
| 66 | 294472.936522 | 2841319.6764 |
| 67 | 294473.231386 | 2841318.156 |
| 68 | 294473.52634 | 2841316.6355 |
| 69 | 294473.77212 | 2841315.36848 |
| 70 | 294474.01781 | 2841314.10147 |
| 71 | 294474.214416 | 2841313.08783 |
| 72 | 294474.862505 | 2841311.10933 |
| 73 | 294475.412158 | 2841309.6378 |
| 74 | 294475.912725 | 2841308.41955 |
| 75 | 294476.922869 | 2841307.29904 |
| 76 | 294477.32509 | 2841306.58776 |
| 77 | 294478.384407 | 2841305.21377 |
| 78 | 294478.786627 | 2841304.50239 |
| 79 | 294479.796682 | 2841303.38198 |
| 80 | 294480.757651 | 2841302.51485 |
| 81 | 294481.767793 | 2841301.39425 |
| 82 | 294482.375719 | 2841300.98522 |
| 83 | 294483.689826 | 2841299.66019 |
| 84 | 294484.905492 | 2841298.84184 |
| 85 | 294485.866462 | 2841297.97472 |
| 86 | 294486.876608 | 2841296.85431 |
| 87 | 294488.190715 | 2841295.52918 |
| 88 | 294489.102512 | 2841294.91554 |
| 89 | 294490.622232 | 2841293.89267 |
| 90 | 294491.484854 | 2841293.53242 |
| 91 | 294492.347565 | 2841293.17206 |
| 92 | 294493.415801 | 2841293.11405 |
| 93 | 294495.2484 | 2841293.20266 |
| 94 | 294496.620778 | 2841292.94004 |
| 95 | 294497.689012 | 2841292.88194 |
| 96 | 294498.757338 | 2841292.82393 |
| 97 | 294500.031277 | 2841293.06818 |
| 98 | 294501.305214 | 2841293.31233 |
| 99 | 294502.579153 | 2841293.55658 |
| 100 | 294503.853001 | 2841293.80083 |
| 101 | 294504.617362 | 2841293.94724 |
| 102 | 294505.891391 | 2841294.19149 |
| 103 | 294509.30189 | 2841294.31964 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 104 | 294511.389274 | 2841294.45692 |
| 105 | 294512.408426 | 2841294.6524 |
| 106 | 294514.191939 | 2841294.99429 |
| 107 | 294517.249389 | 2841295.58043 |
| 108 | 294518.366799 | 2841295.26894 |
| 109 | 294520.042959 | 2841294.80182 |
| 110 | 294521.209544 | 2841294.23695 |
| 111 | 294522.47448 | 2841293.16531 |
| 112 | 294523.288018 | 2841293.05844 |
| 113 | 294524.80774 | 2841292.03557 |
| 114 | 294526.278199 | 2841291.26619 |
| 115 | 294526.376548 | 2841290.75933 |
| 116 | 294527.525042 | 2841287.56279 |
| 117 | 294527.770828 | 2841286.29577 |
| 118 | 294528.271401 | 2841285.07752 |
| 119 | 294528.977496 | 2841284.16153 |
| 120 | 294529.330635 | 2841283.70364 |
| 121 | 294530.595571 | 2841282.6319 |
| 122 | 294531.301759 | 2841281.71601 |
| 123 | 294532.007946 | 2841280.80012 |
| 124 | 294533.018006 | 2841279.67962 |
| 125 | 294534.233859 | 2841278.86136 |
| 126 | 294535.547681 | 2841277.53625 |
| 127 | 294537.01834 | 2841276.76677 |
| 128 | 294538.28328 | 2841275.69523 |
| 129 | 294539.195079 | 2841275.0815 |
| 130 | 294540.106878 | 2841274.46776 |
| 131 | 294541.322732 | 2841273.64951 |
| 132 | 294541.881484 | 2841273.49387 |
| 133 | 294543.401029 | 2841272.47091 |
| 134 | 294544.411272 | 2841271.3505 |
| 135 | 294545.224811 | 2841271.24363 |
| 136 | 294546.440483 | 2841270.42528 |
| 137 | 294547.607163 | 2841269.86052 |
| 138 | 294548.773661 | 2841269.29565 |
| 139 | 294549.685462 | 2841268.68202 |
| 140 | 294550.548176 | 2841268.32166 |
| 141 | 294551.920377 | 2841268.05905 |
| 142 | 294552.056583 | 2841267.96735 |
| 143 | 294533.562688 | 2841263.98559 |
| 144 | 294533.122682 | 2841263.89594 |
| 145 | 294528.06884 | 2841262.92596 |
| 146 | 294527.441222 | 2841262.81589 |
| 147 | 294521.662036 | 2841261.90408 |
| 148 | 294519.868155 | 2841261.70346 |
| 149 | 294515.175715 | 2841261.39227 |
| 150 | 294514.035021 | 2841261.34925 |
| 151 | 294509.36417 | 2841261.3066 |
| 152 | 294508.871663 | 2841261.30815 |
| 153 | 294507.915994 | 2841261.34587 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 154 | 294503.553244 | 2841261.62242 |
| 155 | 294502.291811 | 2841261.74261 |
| 156 | 294501.04064 | 2841261.94236 |
| 157 | 294500.652458 | 2841262.02102 |
| 158 | 294494.594105 | 2841263.31121 |
| 159 | 294493.117515 | 2841263.68486 |
| 160 | 294489.048694 | 2841264.88125 |
| 161 | 294487.559825 | 2841265.38335 |
| 162 | 294486.210306 | 2841265.95584 |
| 163 | 294481.742207 | 2841268.04773 |
| 164 | 294480.544363 | 2841268.65842 |
| 165 | 294475.964874 | 2841271.19051 |
| 166 | 294475.375371 | 2841271.5297 |
| 167 | 294473.932187 | 2841272.47993 |
| 168 | 294470.371428 | 2841275.05165 |
| 169 | 294468.989888 | 2841276.14533 |
| 170 | 294468.887774 | 2841276.23421 |
| 171 | 294464.725628 | 2841279.88762 |
| 172 | 294463.801285 | 2841280.75228 |
| 173 | 294462.933356 | 2841281.67357 |
| 174 | 294459.746593 | 2841285.27919 |
| 175 | 294459.213859 | 2841285.90759 |
| 176 | 294458.452169 | 2841286.90706 |
| 177 | 294455.316719 | 2841291.30064 |
| 178 | 294454.123034 | 2841293.18794 |
| 179 | 294453.873456 | 2841293.65021 |
| 180 | 294451.033397 | 2841299.08109 |
| 181 | 294450.329561 | 2841300.57385 |
| 182 | 294448.931655 | 2841303.68647 |
| 183 | 294448.460582 | 2841305.11393 |
| 184 | 294448.152294 | 2841306.08256 |
| 185 | 294446.773523 | 2841310.8283 |
| 186 | 294446.522143 | 2841311.7804 |
| 187 | 294445.343998 | 2841316.73371 |
| 188 | 294445.053539 | 2841318.19435 |
| 189 | 294444.963022 | 2841318.82188 |
| 190 | 294443.686324 | 2841328.70389 |
| 191 | 294442.619864 | 2841325.20453 |
| 192 | 294442.160682 | 2841323.85974 |
| 193 | 294442.070579 | 2841323.62805 |
| 194 | 294440.674915 | 2841320.1029 |
| 195 | 294440.07258 | 2841318.73362 |
| 196 | 294439.369677 | 2841317.41314 |
| 197 | 294437.333089 | 2841313.90998 |
| 198 | 294437.206125 | 2841313.6947 |
| 199 | 294436.495838 | 2841312.59128 |
| 200 | 294435.714768 | 2841311.53679 |
| 201 | 294433.084509 | 2841308.21901 |
| 202 | 294432.531888 | 2841307.55212 |
| 203 | 294431.717884 | 2841306.66726 |
| 204 | 294428.825562 | 2841303.70672 |
| 205 | 294427.136242 | 2841302.16464 |
| 206 | 294426.971 | 2841302.03177 |
| 207 | 294424.429612 | 2841300.00992 |
| 208 | 294422.862302 | 2841298.68211 |
| 209 | 294420.232887 | 2841297.17642 |
| 210 | 294419.078665 | 2841296.48168 |
| 211 | 294418.961894 | 2841296.41722 |
| 212 | 294416.021198 | 2841294.80515 |
| 213 | 294414.765269 | 2841294.17308 |
| 214 | 294413.468105 | 2841293.63073 |
| 215 | 294409.907644 | 2841292.28717 |
| 216 | 294409.394901 | 2841292.10169 |
| 217 | 294407.800072 | 2841291.62245 |
| 218 | 294404.62642 | 2841290.81102 |
| 219 | 294402.811681 | 2841290.43575 |
| 220 | 294401.06152 | 2841290.16012 |
| 221 | 294400.341583 | 2841290.06007 |
| 222 | 294397.997103 | 2841289.77771 |
| 223 | 294397.120523 | 2841289.69174 |
| 224 | 294394.573779 | 2841289.49822 |
| 225 | 294393.657683 | 2841289.44973 |
| 226 | 294386.18553 | 2841289.22592 |
| 227 | 294385.276677 | 2841289.21938 |
| 228 | 294385.126993 | 2841289.22219 |
| 229 | 294379.735917 | 2841289.34611 |
| 230 | 294315.143938 | 2841289.77188 |
| 231 | 294314.931759 | 2841289.77447 |
| 232 | 294308.825141 | 2841289.88978 |
| 233 | 294307.987797 | 2841289.92319 |
| 234 | 294301.707595 | 2841290.30537 |
| 235 | 294300.174666 | 2841290.45809 |
| 236 | 294295.268313 | 2841291.13867 |
| 237 | 294294.238033 | 2841291.3091 |
| 238 | 294293.985684 | 2841291.35936 |
| 239 | 294289.152019 | 2841292.35381 |
| 240 | 294287.360456 | 2841292.8096 |
| 241 | 294283.166013 | 2841294.08574 |
| 242 | 294281.856393 | 2841294.53426 |
| 243 | 294280.586143 | 2841295.06986 |
| 244 | 294275.6295 | 2841297.36412 |
| 245 | 294273.762909 | 2841298.35084 |
| 246 | 294273.472612 | 2841298.52794 |
| 247 | 294269.05756 | 2841301.27201 |
| 248 | 294267.96051 | 2841302.00514 |
| 249 | 294266.914135 | 2841302.80893 |
| 250 | 294263.198714 | 2841305.86333 |
| 251 | 294262.807658 | 2841306.19327 |
| 252 | 294261.863131 | 2841307.06584 |
| 253 | 294260.97659 | 2841307.9972 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 254 | 294257.481529 | 2841311.91409 |
| 255 | 294256.885698 | 2841312.61343 |
| 256 | 294255.940337 | 2841313.87466 |
| 257 | 294253.080615 | 2841318.02076 |
| 258 | 294252.070645 | 2841319.64623 |
| 259 | 294251.840988 | 2841320.07073 |
| 260 | 294249.507158 | 2841324.51033 |
| 261 | 294248.913591 | 2841325.7399 |
| 262 | 294248.405136 | 2841327.00721 |
| 263 | 294246.695884 | 2841331.72752 |
| 264 | 294246.603487 | 2841331.98865 |
| 265 | 294245.993742 | 2841334.12561 |
| 266 | 294244.923158 | 2841338.85903 |
| 267 | 294244.682919 | 2841340.10345 |
| 268 | 294244.566129 | 2841340.94614 |
| 269 | 294243.990184 | 2841345.86791 |
| 270 | 294243.85778 | 2841347.83494 |
| 271 | 294243.769042 | 2841352.79788 |
| 272 | 294243.768841 | 2841353.50692 |
| 273 | 294243.870041 | 2841358.66941 |
| 274 | 294243.939665 | 2841359.99104 |
| 275 | 294244.388623 | 2841365.21112 |
| 276 | 294244.431921 | 2841365.6563 |
| 277 | 294246.528734 | 2841384.96998 |
| 278 | 294246.758363 | 2841388.79422 |
| 279 | 294246.750899 | 2841391.41633 |
| 280 | 294247.55161 | 2841392.36358 |
| 281 | 294248.05075 | 2841393.00538 |
| 282 | 294248.496211 | 2841393.68558 |
| 283 | 294248.596305 | 2841393.85673 |
| 284 | 294250.175708 | 2841396.61975 |
| 285 | 294250.427899 | 2841397.0893 |
| 286 | 294267.924648 | 2841431.87926 |
| 287 | 294269.382926 | 2841434.4316 |
| 288 | 294269.462428 | 2841434.57347 |
| 289 | 294269.962367 | 2841435.48243 |
| 290 | 294270.456119 | 2841435.00839 |
| 291 | 294272.122809 | 2841433.19834 |
| 292 | 294272.404835 | 2841432.84329 |
| 293 | 294275.501914 | 2841428.85235 |
| 294 | 294276.817489 | 2841426.93694 |
| 295 | 294279.392241 | 2841422.67786 |
| 296 | 294279.750045 | 2841422.06144 |
| 297 | 294280.639372 | 2841420.25617 |
| 298 | 294282.497645 | 2841415.95061 |
| 299 | 294283.035769 | 2841414.56425 |
| 300 | 294283.831486 | 2841412.26047 |
| 301 | 294284.347989 | 2841410.51051 |
| 302 | 294285.130156 | 2841407.33268 |
| 303 | 294285.452811 | 2841405.74846 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 304 | 294286.200527 | 2841401.12947 |
| 305 | 294286.414296 | 2841399.22616 |
| 306 | 294286.709625 | 2841394.61578 |
| 307 | 294286.750459 | 2841393.39379 |
| 308 | 294286.764979 | 2841388.27943 |
| 309 | 294286.762633 | 2841387.91264 |
| 310 | 294286.729074 | 2841387.02385 |
| 311 | 294286.432875 | 2841382.09139 |
| 312 | 294286.351976 | 2841381.13148 |
| 313 | 294284.227212 | 2841361.56063 |
| 314 | 294283.854271 | 2841357.2234 |
| 315 | 294283.774156 | 2841353.14013 |
| 316 | 294283.838584 | 2841349.53784 |
| 317 | 294284.176597 | 2841346.64912 |
| 318 | 294284.73716 | 2841344.1704 |
| 319 | 294285.554379 | 2841341.91343 |
| 320 | 294286.693404 | 2841339.74673 |
| 321 | 294288.162259 | 2841337.61707 |
| 322 | 294289.797194 | 2841335.7849 |
| 323 | 294291.298003 | 2841334.55113 |
| 324 | 294293.547519 | 2841333.15299 |
| 325 | 294296.134459 | 2841331.9555 |
| 326 | 294298.119324 | 2841331.35171 |
| 327 | 294301.410322 | 2841330.67466 |
| 328 | 294304.907487 | 2841330.18963 |
| 329 | 294309.999281 | 2841329.87968 |
| 330 | 294315.532332 | 2841329.77506 |
| 331 | 294380.167458 | 2841329.34901 |
| 332 | 294380.345601 | 2841329.34705 |
| 333 | 294380.495283 | 2841329.34413 |
| 334 | 294385.51586 | 2841329.22875 |
| 335 | 294392.001302 | 2841329.42301 |
| 336 | 294393.652141 | 2841329.5484 |
| 337 | 294395.196365 | 2841329.73433 |
| 338 | 294395.63044 | 2841329.80265 |
| 339 | 294396.81688 | 2841330.10651 |
| 340 | 294398.026742 | 2841330.56234 |
| 341 | 294399.08263 | 2841331.14121 |
| 342 | 294400.27984 | 2841331.91779 |
| 343 | 294401.085093 | 2841332.55844 |
| 344 | 294402.378931 | 2841333.88282 |
| 345 | 294403.471774 | 2841335.26133 |
| 346 | 294404.031137 | 2841336.22339 |
| 347 | 294404.567412 | 2841337.57775 |
| 348 | 294405.152244 | 2841339.51313 |
| 349 | 294405.321429 | 2841340.27336 |
| 350 | 294405.470669 | 2841341.84438 |
| 351 | 294405.450326 | 2841342.48965 |
| 352 | 294405.083544 | 2841345.06202 |
| 353 | 294404.765333 | 2841346.40978 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 354 | 294404.396918 | 2841347.42 |
| 355 | 294403.343275 | 2841349.27594 |
| 356 | 294402.435337 | 2841350.49941 |
| 357 | 294401.703173 | 2841351.28247 |
| 358 | 294400.956077 | 2841351.94698 |
| 359 | 294399.300355 | 2841353.20785 |
| 360 | 294398.794883 | 2841353.48555 |
| 361 | 294396.546729 | 2841354.38339 |
| 362 | 294396.254744 | 2841354.47491 |
| 363 | 294394.709225 | 2841354.73545 |
| 364 | 294392.501337 | 2841354.94505 |
| 365 | 294391.905139 | 2841354.94513 |
| 366 | 294391.249782 | 2841354.863 |
| 367 | 294389.466434 | 2841354.47329 |
| 368 | 294387.846199 | 2841353.96257 |
| 369 | 294384.601302 | 2841352.6205 |
| 370 | 294373.391543 | 2841346.83435 |
| 371 | 294372.832035 | 2841346.55642 |
| 372 | 294355.320685 | 2841382.52643 |
| 373 | 294367.001073 | 2841388.5557 |
| 374 | 294368.531013 | 2841389.26543 |
| 375 | 294373.35954 | 2841391.26249 |
| 376 | 294374.455344 | 2841391.6785 |
| 377 | 294374.990712 | 2841391.85566 |
| 378 | 294378.300597 | 2841392.89905 |
| 379 | 294378.502541 | 2841392.95282 |
| 380 | 294357.14662 | 2841399.69757 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 294372.832035 | 2841346.55642 |
| 2 | 294366.784398 | 2841343.67021 |
| 3 | 294366.068298 | 2841343.34558 |
| 4 | 294361.603538 | 2841341.42639 |
| 5 | 294360.25339 | 2841340.90301 |
| 6 | 294360.003918 | 2841340.81838 |
| 7 | 294357.670786 | 2841340.04426 |
| 8 | 294355.528391 | 2841339.46311 |
| 9 | 294352.834543 | 2841338.8907 |
| 10 | 294351.845095 | 2841338.70643 |
| 11 | 294351.215882 | 2841338.61573 |
| 12 | 294347.565884 | 2841338.14873 |
| 13 | 294345.73614 | 2841337.99952 |
| 14 | 294343.318045 | 2841337.91383 |
| 15 | 294342.299236 | 2841337.90361 |
| 16 | 294341.089635 | 2841337.95904 |
| 17 | 294337.354118 | 2841338.24366 |
| 18 | 294335.203067 | 2841338.52554 |
| 19 | 294330.308476 | 2841339.43941 |
| 20 | 294328.647268 | 2841339.77348 |
| 21 | 294327.466931 | 2841340.19798 |
| 22 | 294322.681306 | 2841341.86106 |
| 23 | 294322.115575 | 2841342.06724 |
| 24 | 294320.799244 | 2841342.62428 |
| 25 | 294319.525888 | 2841343.27394 |
| 26 | 294316.332213 | 2841345.04995 |
| 27 | 294315.785068 | 2841345.36567 |
| 28 | 294315.007899 | 2841345.85516 |
| 29 | 294311.656657 | 2841348.07489 |
| 30 | 294309.866369 | 2841349.4103 |
| 31 | 294307.552589 | 2841351.34638 |
| 32 | 294307.295361 | 2841351.56532 |
| 33 | 294305.969942 | 2841352.82337 |
| 34 | 294302.96729 | 2841355.94624 |
| 35 | 294301.865813 | 2841357.19155 |
| 36 | 294301.370576 | 2841357.82635 |
| 37 | 294299.226005 | 2841360.69256 |
| 38 | 294298.458055 | 2841361.79399 |
| 39 | 294297.750537 | 2841362.9722 |
| 40 | 294296.077329 | 2841365.99922 |
| 41 | 294295.322627 | 2841367.51241 |
| 42 | 294293.808068 | 2841370.9005 |
| 43 | 294293.169095 | 2841372.51444 |
| 44 | 294292.976084 | 2841373.10081 |
| 45 | 294291.614507 | 2841377.46045 |
| 46 | 294291.252882 | 2841378.77401 |
| 47 | 294290.981538 | 2841380.1092 |
| 48 | 294290.163056 | 2841384.98101 |
| 49 | 294290.138956 | 2841385.12738 |
| 50 | 294289.938174 | 2841386.86078 |
| 51 | 294289.889094 | 2841388.60508 |
| 52 | 294289.896586 | 2841388.92515 |
| 53 | 294290.052116 | 2841393.85939 |
| 54 | 294290.237982 | 2841396.02109 |
| 55 | 294290.930706 | 2841400.93574 |
| 56 | 294291.095008 | 2841401.92226 |
| 57 | 294291.727577 | 2841404.36692 |
| 58 | 294293.314932 | 2841409.21588 |
| 59 | 294293.636874 | 2841410.12461 |
| 60 | 294294.549918 | 2841412.16651 |
| 61 | 294296.784565 | 2841416.4962 |
| 62 | 294297.393766 | 2841417.59112 |
| 63 | 294298.007042 | 2841418.55284 |
| 64 | 294299.743383 | 2841421.11213 |
| 65 | 294300.394418 | 2841422.01636 |
| 66 | 294302.8459 | 2841425.22875 |
| 67 | 294303.625562 | 2841426.18749 |
| 68 | 294304.941501 | 2841427.56842 |
| 69 | 294307.348699 | 2841429.86439 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 70 | 294308.536088 | 2841430.91048 |
| 71 | 294308.853364 | 2841431.16307 |
| 72 | 294312.107036 | 2841433.70063 |
| 73 | 294313.306533 | 2841434.56666 |
| 74 | 294314.566658 | 2841435.34166 |
| 75 | 294319.105345 | 2841437.90663 |
| 76 | 294319.215118 | 2841437.96821 |
| 77 | 294320.652842 | 2841438.69462 |
| 78 | 294322.144545 | 2841439.303 |
| 79 | 294327.024637 | 2841441.06774 |
| 80 | 294327.277798 | 2841441.15739 |
| 81 | 294328.674132 | 2841441.58478 |
| 82 | 294330.098037 | 2841441.9092 |
| 83 | 294334.890455 | 2841442.81859 |
| 84 | 294335.45178 | 2841442.91681 |
| 85 | 294337.294076 | 2841443.12523 |
| 86 | 294342.163017 | 2841443.44856 |
| 87 | 294343.798457 | 2841443.49017 |
| 88 | 294345.700856 | 2841443.3698 |
| 89 | 294350.65413 | 2841442.81856 |
| 90 | 294352.219865 | 2841442.58123 |
| 91 | 294352.83214 | 2841442.45345 |
| 92 | 294357.635606 | 2841441.37268 |
| 93 | 294359.184421 | 2841440.95843 |
| 94 | 294369.111411 | 2841437.87144 |
| 95 | 294357.14662 | 2841399.69757 |
| 96 | 294348.07186 | 2841402.51953 |
| 97 | 294345.130215 | 2841403.18139 |
| 98 | 294343.041171 | 2841403.41388 |
| 99 | 294341.155277 | 2841403.28865 |
| 100 | 294339.126013 | 2841402.90356 |
| 101 | 294337.326795 | 2841402.25301 |
| 102 | 294335.539978 | 2841401.24312 |
| 103 | 294334.239935 | 2841400.22926 |
| 104 | 294333.692903 | 2841399.70749 |
| 105 | 294332.535239 | 2841398.19057 |
| 106 | 294331.78444 | 2841397.08389 |
| 107 | 294330.835357 | 2841395.24504 |
| 108 | 294330.297205 | 2841393.60103 |
| 109 | 294330.002858 | 2841391.51306 |
| 110 | 294329.944177 | 2841389.65024 |
| 111 | 294330.207415 | 2841388.08319 |
| 112 | 294330.811035 | 2841386.15042 |
| 113 | 294331.499139 | 2841384.61106 |
| 114 | 294332.081705 | 2841383.55706 |
| 115 | 294332.661111 | 2841382.78263 |
| 116 | 294334.055701 | 2841381.33228 |
| 117 | 294334.680994 | 2841380.80907 |
| 118 | 294336.453285 | 2841379.63517 |
| 119 | 294337.452392 | 2841379.07956 |
| 120 | 294339.179932 | 2841378.47917 |
| 121 | 294341.476441 | 2841378.05044 |
| 122 | 294343.01596 | 2841377.9332 |
| 123 | 294343.400964 | 2841377.94686 |
| 124 | 294345.324224 | 2841378.19289 |
| 125 | 294346.126432 | 2841378.36331 |
| 126 | 294346.592096 | 2841378.51783 |
| 127 | 294349.908273 | 2841379.9434 |
| 128 | 294355.320685 | 2841382.52643 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 294507.549025 | 2841301.45429 |
| 2 | 294509.723086 | 2841301.31647 |
| 3 | 294513.098932 | 2841301.3473 |
| 4 | 294516.320206 | 2841301.56089 |
| 5 | 294520.85182 | 2841302.27587 |
| 6 | 294525.360476 | 2841303.14119 |
| 7 | 294565.836473 | 2841311.85588 |
| 8 | 294568.239067 | 2841311.93814 |
| 9 | 294572.25788 | 2841313.10536 |
| 10 | 294572.594872 | 2841313.16761 |
| 11 | 294575.949858 | 2841313.75862 |
| 12 | 294576.252539 | 2841313.80954 |
| 13 | 294578.074055 | 2841314.01662 |
| 14 | 294581.677053 | 2841314.25979 |
| 15 | 294583.333025 | 2841314.30271 |
| 16 | 294583.950874 | 2841314.28368 |
| 17 | 294588.915665 | 2841314.05314 |
| 18 | 294590.346992 | 2841313.93511 |
| 19 | 294591.766077 | 2841313.71463 |
| 20 | 294592.108084 | 2841313.64586 |
| 21 | 294597.230968 | 2841312.56751 |
| 22 | 294598.68181 | 2841312.20503 |
| 23 | 294600.101458 | 2841311.73511 |
| 24 | 294604.601872 | 2841310.05642 |
| 25 | 294604.74283 | 2841310.00332 |
| 26 | 294606.139956 | 2841309.40858 |
| 27 | 294607.487875 | 2841308.70947 |
| 28 | 294611.630815 | 2841306.35708 |
| 29 | 294612.02246 | 2841306.12879 |
| 30 | 294613.885618 | 2841304.86663 |
| 31 | 294614.832759 | 2841304.14413 |
| 32 | 294613.000282 | 2841294.3335 |
| 33 | 294612.7194 | 2841293.22322 |
| 34 | 294612.616924 | 2841292.57716 |
| 35 | 294612.5569 | 2841291.92575 |
| 36 | 294612.292364 | 2841287.46148 |
| 37 | 294610.66983 | 2841276.21488 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 38 | 294606.640964 | 2841265.6488 |
| 39 | 294603.373739 | 2841264.3982 |
| 40 | 294603.126398 | 2841264.36955 |
| 41 | 294602.39583 | 2841264.2243 |
| 42 | 294601.678152 | 2841264.02504 |
| 43 | 294599.243786 | 2841263.25056 |
| 44 | 294599.001239 | 2841263.1699 |
| 45 | 294598.554712 | 2841263.00312 |
| 46 | 294596.697687 | 2841262.25866 |
| 47 | 294596.276751 | 2841264.52642 |
| 48 | 294595.727557 | 2841266.27358 |
| 49 | 294594.871551 | 2841268.08797 |
| 50 | 294593.958164 | 2841269.34589 |
| 51 | 294592.508326 | 2841270.85836 |
| 52 | 294590.700078 | 2841272.23766 |
| 53 | 294589.123733 | 2841273.13264 |
| 54 | 294587.524795 | 2841273.72901 |
| 55 | 294585.447571 | 2841274.16636 |
| 56 | 294583.234222 | 2841274.26909 |
| 57 | 294581.835181 | 2841274.17466 |
| 58 | 294579.704917 | 2841273.79936 |
| 59 | 294574.057006 | 2841272.70413 |
| 60 | 294560.676516 | 2841269.82325 |
| 61 | 294558.857733 | 2841270.44037 |
| 62 | 294557.945931 | 2841271.05401 |
| 63 | 294557.642057 | 2841271.25852 |
| 64 | 294556.318943 | 2841271.26775 |
| 65 | 294553.064878 | 2841271.69533 |
| 66 | 294550.526088 | 2841272.5227 |
| 67 | 294549.055536 | 2841273.29208 |
| 68 | 294548.143737 | 2841273.90582 |
| 69 | 294545.506597 | 2841275.24006 |
| 70 | 294544.545622 | 2841276.10718 |
| 71 | 294544.496446 | 2841276.36057 |
| 72 | 294542.418058 | 2841277.53907 |
| 73 | 294541.457083 | 2841278.40619 |
| 74 | 294539.731746 | 2841279.1268 |
| 75 | 294539.378696 | 2841279.58469 |
| 76 | 294536.996257 | 2841280.96781 |
| 77 | 294535.780586 | 2841281.78616 |
| 78 | 294533.496499 | 2841282.66251 |
| 79 | 294533.201536 | 2841284.18291 |
| 80 | 294533.005015 | 2841285.19654 |
| 81 | 294532.759227 | 2841286.46346 |
| 82 | 294532.51344 | 2841287.73048 |
| 83 | 294532.41509 | 2841288.23734 |
| 84 | 294532.120218 | 2841289.75774 |
| 85 | 294531.825257 | 2841291.27824 |
| 86 | 294531.530385 | 2841292.79864 |
| 87 | 294531.333864 | 2841293.81227 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 88 | 294530.882377 | 2841294.77714 |
| 89 | 294530.43098 | 2841295.742 |
| 90 | 294530.077841 | 2841296.1999 |
| 91 | 294528.969432 | 2841297.82717 |
| 92 | 294528.419775 | 2841299.29889 |
| 93 | 294527.204014 | 2841300.11705 |
| 94 | 294526.243042 | 2841300.98417 |
| 95 | 294524.517706 | 2841301.70468 |
| 96 | 294524.008132 | 2841301.60704 |
| 97 | 294522.381058 | 2841301.82078 |
| 98 | 294521.058035 | 2841301.82991 |
| 99 | 294518.510161 | 2841301.34151 |
| 100 | 294517.236224 | 2841301.09726 |
| 101 | 294513.620117 | 2841300.66696 |
| 102 | 294512.600967 | 2841300.47158 |
| 103 | 294510.562757 | 2841300.08082 |
| 104 | 294509.033941 | 2841299.7877 |
| 105 | 294506.486066 | 2841299.2993 |
| 106 | 294501.242972 | 2841299.08265 |
| 107 | 294498.90071 | 2841298.8965 |
| 108 | 294497.881559 | 2841298.70112 |
| 109 | 294496.558536 | 2841298.71026 |
| 110 | 294494.931463 | 2841298.9241 |
| 111 | 294493.814053 | 2841299.23549 |
| 112 | 294493.206129 | 2841299.64462 |
| 113 | 294491.990371 | 2841300.46287 |
| 114 | 294490.676355 | 2841301.78799 |
| 115 | 294489.715385 | 2841302.65512 |
| 116 | 294488.499626 | 2841303.47327 |
| 117 | 294488.450451 | 2841303.72666 |
| 118 | 294486.681648 | 2841305.00291 |
| 119 | 294485.567541 | 2841306.32793 |
| 120 | 294484.253436 | 2841307.65306 |
| 121 | 294484.155178 | 2841308.15992 |
| 122 | 294482.948516 | 2841310.29396 |
| 123 | 294482.702735 | 2841311.56098 |
| 124 | 294482.456955 | 2841312.8281 |
| 125 | 294482.005561 | 2841313.79286 |
| 126 | 294481.299378 | 2841314.70876 |
| 127 | 294481.053599 | 2841315.97588 |
| 128 | 294480.454682 | 2841317.70089 |
| 129 | 294480.110644 | 2841319.47478 |
| 130 | 294479.766515 | 2841321.24866 |
| 131 | 294479.520733 | 2841322.51558 |
| 132 | 294479.471649 | 2841322.76896 |
| 133 | 294479.127611 | 2841324.54285 |
| 134 | 294478.832656 | 2841326.06325 |
| 135 | 294479.047275 | 2841327.68139 |
| 136 | 294479.0072 | 2841329.25076 |
| 137 | 294479.52578 | 2841330.66428 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 138 | 294479.789573 | 2841332.02894 |
| 139 | 294480.513767 | 2841333.74482 |
| 140 | 294480.826735 | 2841334.85609 |
| 141 | 294481.394489 | 2841336.01624 |
| 142 | 294481.600102 | 2841336.31849 |
| 143 | 294482.83396 | 2841338.13201 |
| 144 | 294482.990398 | 2841338.68764 |
| 145 | 294483.14795 | 2841339.117 |
| 146 | 294483.467152 | 2841333.09337 |
| 147 | 294484.508851 | 2841324.95685 |
| 148 | 294485.327277 | 2841321.51639 |
| 149 | 294486.242923 | 2841318.36481 |
| 150 | 294486.865833 | 2841316.88865 |
| 151 | 294488.68314 | 2841313.41358 |
| 152 | 294490.410492 | 2841310.99294 |
| 153 | 294492.068886 | 2841309.11668 |
| 154 | 294494.563801 | 2841306.92671 |
| 155 | 294496.378071 | 2841305.61646 |
| 156 | 294499.31379 | 2841303.99317 |
| 157 | 294501.794031 | 2841302.83205 |
| 158 | 294503.671431 | 2841302.27999 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 294689.863473 | 2841375.06149 |
| 2 | 294689.384881 | 2841376.85459 |
| 3 | 294687.958298 | 2841383.2246 |
| 4 | 294687.727225 | 2841384.42781 |
| 5 | 294687.652135 | 2841384.9383 |
| 6 | 294687.057722 | 2841389.37142 |
| 7 | 294686.922257 | 2841390.73638 |
| 8 | 294686.584125 | 2841395.95678 |
| 9 | 294686.542274 | 2841397.28462 |
| 10 | 294686.553329 | 2841403.58295 |
| 11 | 294686.555681 | 2841403.85746 |
| 12 | 294686.720619 | 2841406.1299 |
| 13 | 294687.57017 | 2841412.65662 |
| 14 | 294687.762878 | 2841413.85257 |
| 15 | 294687.826872 | 2841414.17137 |
| 16 | 294689.298029 | 2841421.20228 |
| 17 | 294689.822711 | 2841423.19261 |
| 18 | 294691.680152 | 2841429.00725 |
| 19 | 294692.045972 | 2841430.05134 |
| 20 | 294692.127055 | 2841430.26065 |
| 21 | 294693.940633 | 2841434.85751 |
| 22 | 294696.303638 | 2841441.07739 |
| 23 | 294696.377111 | 2841441.26769 |
| 24 | 294696.88506 | 2841442.562 |
| 25 | 294714.794207 | 2841451.06762 |
| 26 | 294715.620398 | 2841451.24218 |
| 27 | 294716.421594 | 2841451.47632 |
| 28 | 294741.600549 | 2841459.98946 |
| 29 | 294741.668734 | 2841458.15717 |
| 30 | 294741.680166 | 2841457.10426 |
| 31 | 294741.62626 | 2841455.91403 |
| 32 | 294741.309813 | 2841451.70478 |
| 33 | 294741.006087 | 2841449.42661 |
| 34 | 294740.837551 | 2841448.63698 |
| 35 | 294739.645356 | 2841443.55416 |
| 36 | 294739.290671 | 2841442.24312 |
| 37 | 294737.903967 | 2841437.73283 |
| 38 | 294737.472791 | 2841436.47998 |
| 39 | 294737.404408 | 2841436.30346 |
| 40 | 294733.655609 | 2841426.75167 |
| 41 | 294731.285652 | 2841420.51336 |
| 42 | 294731.199213 | 2841420.29048 |
| 43 | 294729.585282 | 2841416.19946 |
| 44 | 294728.243656 | 2841411.99989 |
| 45 | 294727.141135 | 2841406.73083 |
| 46 | 294726.555828 | 2841402.23454 |
| 47 | 294726.548207 | 2841397.87851 |
| 48 | 294726.798966 | 2841394.00797 |
| 49 | 294727.186525 | 2841391.1171 |
| 50 | 294728.220259 | 2841386.5013 |
| 51 | 294729.535764 | 2841382.43521 |
| 52 | 294730.686259 | 2841379.63996 |
| 53 | 294733.08437 | 2841375.14346 |
| 54 | 294734.669322 | 2841372.5114 |
| 55 | 294736.110773 | 2841370.52094 |
| 56 | 294738.144151 | 2841368.04438 |
| 57 | 294740.833862 | 2841365.46219 |
| 58 | 294745.312564 | 2841361.28917 |
| 59 | 294754.392821 | 2841354.37493 |
| 60 | 294754.761782 | 2841354.0872 |
| 61 | 294762.599938 | 2841347.82369 |
| 62 | 294770.229393 | 2841342.09647 |
| 63 | 294770.608498 | 2841341.8047 |
| 64 | 294778.268313 | 2841335.7629 |
| 65 | 294785.504363 | 2841330.04436 |
| 66 | 294786.19503 | 2841329.47282 |
| 67 | 294786.519127 | 2841329.18609 |
| 68 | 294789.617605 | 2841326.38384 |
| 69 | 294790.482972 | 2841325.55269 |
| 70 | 294792.877578 | 2841323.11042 |
| 71 | 294794.115102 | 2841321.72512 |
| 72 | 294794.591076 | 2841321.11615 |
| 73 | 294796.838185 | 2841318.12318 |
| 74 | 294797.392135 | 2841317.34758 |
| 75 | 294798.658973 | 2841315.48121 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 76 | 294799.508122 | 2841314.11528 |
| 77 | 294801.245279 | 2841311.05236 |
| 78 | 294801.32174 | 2841310.91625 |
| 79 | 294802.243135 | 2841309.03658 |
| 80 | 294803.920555 | 2841305.10661 |
| 81 | 294804.350533 | 2841304.01105 |
| 82 | 294805.498257 | 2841300.81325 |
| 83 | 294805.571272 | 2841300.60614 |
| 84 | 294806.235776 | 2841298.22032 |
| 85 | 294807.320704 | 2841293.12271 |
| 86 | 294809.169814 | 2841286.09913 |
| 87 | 294809.254258 | 2841285.76678 |
| 88 | 294811.484715 | 2841276.66341 |
| 89 | 294813.475253 | 2841270.76114 |
| 90 | 294814.634265 | 2841267.88994 |
| 91 | 294815.583731 | 2841266.11996 |
| 92 | 294816.334536 | 2841264.88789 |
| 93 | 294817.301067 | 2841263.54396 |
| 94 | 294819.112325 | 2841261.59882 |
| 95 | 294820.378592 | 2841260.54742 |
| 96 | 294821.339627 | 2841259.79403 |
| 97 | 294822.837562 | 2841258.89072 |
| 98 | 294825.272971 | 2841257.82423 |
| 99 | 294827.759981 | 2841257.02292 |
| 100 | 294829.686153 | 2841256.60279 |
| 101 | 294833.510299 | 2841256.21609 |
| 102 | 294837.527801 | 2841256.18446 |
| 103 | 294841.879521 | 2841256.19928 |
| 104 | 294848.556358 | 2841256.55892 |
| 105 | 294856.000451 | 2841257.12404 |
| 106 | 294856.60607 | 2841257.16082 |
| 107 | 294871.727625 | 2841257.8485 |
| 108 | 294872.945412 | 2841257.86664 |
| 109 | 294873.298738 | 2841257.85809 |
| 110 | 294878.074205 | 2841257.69975 |
| 111 | 294879.370856 | 2841257.61453 |
| 112 | 294880.659437 | 2841257.44532 |
| 113 | 294885.837509 | 2841256.59325 |
| 114 | 294886.36714 | 2841256.49886 |
| 115 | 294888.781151 | 2841255.87637 |
| 116 | 294893.199356 | 2841254.43803 |
| 117 | 294894.138826 | 2841254.10611 |
| 118 | 294895.380856 | 2841253.58366 |
| 119 | 294896.585126 | 2841252.97858 |
| 120 | 294901.293453 | 2841250.41077 |
| 121 | 294901.983972 | 2841250.01603 |
| 122 | 294903.319828 | 2841249.14284 |
| 123 | 294904.581835 | 2841248.16596 |
| 124 | 294908.192436 | 2841245.1329 |
| 125 | 294908.419454 | 2841244.93935 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 126 | 294909.507124 | 2841243.92431 |
| 127 | 294910.51638 | 2841242.83155 |
| 128 | 294913.519602 | 2841239.32646 |
| 129 | 294913.849698 | 2841238.93091 |
| 130 | 294914.592065 | 2841237.95858 |
| 131 | 294915.75521 | 2841236.33458 |
| 132 | 294916.414812 | 2841235.35346 |
| 133 | 294918.38678 | 2841232.22485 |
| 134 | 294918.940108 | 2841231.29152 |
| 135 | 294919.674125 | 2841229.83739 |
| 136 | 294920.287275 | 2841228.32823 |
| 137 | 294921.771683 | 2841224.20066 |
| 138 | 294921.849029 | 2841223.98152 |
| 139 | 294922.295394 | 2841222.5139 |
| 140 | 294922.628051 | 2841221.01625 |
| 141 | 294923.500598 | 2841216.22617 |
| 142 | 294923.571829 | 2841215.81002 |
| 143 | 294923.800079 | 2841213.62796 |
| 144 | 294924.068059 | 2841208.19739 |
| 145 | 294924.090118 | 2841206.90196 |
| 146 | 294924.017368 | 2841205.47884 |
| 147 | 294923.843524 | 2841204.06475 |
| 148 | 294923.178154 | 2841199.6881 |
| 149 | 294923.067255 | 2841199.25691 |
| 150 | 294922.714782 | 2841197.74334 |
| 151 | 294921.509252 | 2841193.34813 |
| 152 | 294920.907456 | 2841191.50826 |
| 153 | 294920.229995 | 2841189.93793 |
| 154 | 294918.224414 | 2841185.78658 |
| 155 | 294917.37958 | 2841184.21983 |
| 156 | 294916.299379 | 2841182.59873 |
| 157 | 294913.42882 | 2841178.71486 |
| 158 | 294912.465155 | 2841177.5112 |
| 159 | 294911.67219 | 2841176.6477 |
| 160 | 294908.861302 | 2841173.76154 |
| 161 | 294907.151107 | 2841172.19801 |
| 162 | 294907.043657 | 2841172.11138 |
| 163 | 294903.728868 | 2841169.45384 |
| 164 | 294901.705725 | 2841168.02828 |
| 165 | 294899.328983 | 2841166.56464 |
| 166 | 294898.572858 | 2841166.12151 |
| 167 | 294896.736785 | 2841165.21884 |
| 168 | 294893.205457 | 2841163.70169 |
| 169 | 294891.859225 | 2841163.17989 |
| 170 | 294891.063256 | 2841162.92254 |
| 171 | 294887.885598 | 2841161.96815 |
| 172 | 294886.60269 | 2841161.62864 |
| 173 | 294885.300069 | 2841161.37513 |
| 174 | 294885.168534 | 2841161.35444 |
| 175 | 294880.77796 | 2841160.6801 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 176 | 294879.109661 | 2841160.49503 |
| 177 | 294877.422498 | 2841160.45076 |
| 178 | 294873.015471 | 2841160.52298 |
| 179 | 294871.745351 | 2841160.58427 |
| 180 | 294870.481894 | 2841160.72608 |
| 181 | 294866.483195 | 2841161.30391 |
| 182 | 294865.56716 | 2841161.45819 |
| 183 | 294864.263287 | 2841161.75449 |
| 184 | 294861.446317 | 2841162.49422 |
| 185 | 294859.396597 | 2841163.15244 |
| 186 | 294858.836807 | 2841163.37575 |
| 187 | 294855.327332 | 2841164.83751 |
| 188 | 294853.335235 | 2841165.79988 |
| 189 | 294849.674001 | 2841167.82524 |
| 190 | 294849.089052 | 2841168.16185 |
| 191 | 294847.476971 | 2841169.23543 |
| 192 | 294843.443052 | 2841172.21337 |
| 193 | 294842.251456 | 2841173.16535 |
| 194 | 294857.648058 | 2841212.92309 |
| 195 | 294861.27479 | 2841209.71836 |
| 196 | 294861.573335 | 2841209.44916 |
| 197 | 294863.580378 | 2841207.60244 |
| 198 | 294867.817258 | 2841203.94443 |
| 199 | 294870.184356 | 2841202.19708 |
| 200 | 294871.731526 | 2841201.34105 |
| 201 | 294872.944031 | 2841200.83609 |
| 202 | 294873.32871 | 2841200.73507 |
| 203 | 294874.944653 | 2841200.50142 |
| 204 | 294876.376734 | 2841200.47808 |
| 205 | 294877.715003 | 2841200.6836 |
| 206 | 294878.462055 | 2841200.90793 |
| 207 | 294879.63627 | 2841201.41933 |
| 208 | 294881.06107 | 2841202.55478 |
| 209 | 294882.065507 | 2841203.58591 |
| 210 | 294883.016461 | 2841204.87268 |
| 211 | 294883.412953 | 2841205.69348 |
| 212 | 294883.84427 | 2841207.26562 |
| 213 | 294884.009493 | 2841208.30265 |
| 214 | 294883.908602 | 2841210.34601 |
| 215 | 294883.567399 | 2841212.21939 |
| 216 | 294883.380638 | 2841212.73878 |
| 217 | 294882.687293 | 2841213.52141 |
| 218 | 294882.574366 | 2841213.95844 |
| 219 | 294881.204926 | 2841215.55673 |
| 220 | 294880.382354 | 2841216.24779 |
| 221 | 294879.0561 | 2841216.97115 |
| 222 | 294877.84298 | 2841217.3661 |
| 223 | 294875.448098 | 2841217.76018 |
| 224 | 294872.759158 | 2841217.84929 |
| 225 | 294858.725433 | 2841217.21116 |
| 226 | 294853.4806 | 2841216.81282 |
| 227 | 294768.329604 | 2841284.16876 |
| 228 | 294768.291787 | 2841284.3278 |
| 229 | 294767.388454 | 2841288.57157 |
| 230 | 294766.896196 | 2841289.94334 |
| 231 | 294765.891996 | 2841292.29605 |
| 232 | 294765.107678 | 2841293.67881 |
| 233 | 294764.560257 | 2841294.48521 |
| 234 | 294763.390604 | 2841296.04315 |
| 235 | 294762.339235 | 2841297.11544 |
| 236 | 294760.178913 | 2841299.06939 |
| 237 | 294753.481354 | 2841304.36226 |
| 238 | 294746.020218 | 2841310.24743 |
| 239 | 294738.341207 | 2841316.01182 |
| 240 | 294737.862992 | 2841316.38235 |
| 241 | 294729.971214 | 2841322.68866 |
| 242 | 294720.286159 | 2841330.0633 |
| 243 | 294719.311103 | 2841330.85539 |
| 244 | 294718.768053 | 2841331.34292 |
| 245 | 294715.867268 | 2841334.04597 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 294842.251456 | 2841173.16535 |
| 2 | 294837.186855 | 2841177.53803 |
| 3 | 294836.725609 | 2841177.94946 |
| 4 | 294834.634419 | 2841179.87342 |
| 5 | 294830.901491 | 2841183.17208 |
| 6 | 294830.392678 | 2841183.63755 |
| 7 | 294827.683422 | 2841186.20327 |
| 8 | 294824.974151 | 2841188.23077 |
| 9 | 294821.823514 | 2841190.35498 |
| 10 | 294818.360918 | 2841192.36562 |
| 11 | 294815.829889 | 2841193.69069 |
| 12 | 294814.790124 | 2841194.18282 |
| 13 | 294811.256191 | 2841195.51633 |
| 14 | 294808.518708 | 2841196.39087 |
| 15 | 294795.653654 | 2841199.80766 |
| 16 | 294794.158526 | 2841200.26806 |
| 17 | 294789.572153 | 2841201.89868 |
| 18 | 294788.425575 | 2841202.29271 |
| 19 | 294787.921465 | 2841202.46663 |
| 20 | 294786.32616 | 2841203.17632 |
| 21 | 294785.667702 | 2841203.50111 |
| 22 | 294784.779495 | 2841203.97714 |
| 23 | 294781.13897 | 2841205.89797 |
| 24 | 294780.259656 | 2841206.3943 |
| 25 | 294779.075757 | 2841207.16031 |
| 26 | 294774.889306 | 2841210.08373 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 27 | 294773.248334 | 2841211.36146 |
| 28 | 294772.637005 | 2841211.91313 |
| 29 | 294769.037651 | 2841215.29853 |
| 30 | 294767.370358 | 2841217.06965 |
| 31 | 294764.266754 | 2841220.79717 |
| 32 | 294764.118281 | 2841220.97755 |
| 33 | 294763.337119 | 2841222.0042 |
| 34 | 294762.623711 | 2841223.07914 |
| 35 | 294759.97547 | 2841227.36356 |
| 36 | 294759.514499 | 2841228.14858 |
| 37 | 294759.152163 | 2841228.82984 |
| 38 | 294757.918007 | 2841231.26214 |
| 39 | 294757.476506 | 2841232.19077 |
| 40 | 294752.844755 | 2841242.61433 |
| 41 | 294751.325152 | 2841245.58419 |
| 42 | 294750.116032 | 2841247.28226 |
| 43 | 294749.668934 | 2841247.79641 |
| 44 | 294748.027288 | 2841249.45623 |
| 45 | 294746.509559 | 2841250.63838 |
| 46 | 294744.565828 | 2841251.89469 |
| 47 | 294739.771839 | 2841254.62094 |
| 48 | 294739.466457 | 2841254.79827 |
| 49 | 294730.926886 | 2841259.85636 |
| 50 | 294730.42576 | 2841260.16457 |
| 51 | 294726.058707 | 2841262.94102 |
| 52 | 294725.608757 | 2841263.23579 |
| 53 | 294721.42222 | 2841266.05838 |
| 54 | 294720.668029 | 2841266.59243 |
| 55 | 294716.522904 | 2841269.67507 |
| 56 | 294715.474198 | 2841270.51085 |
| 57 | 294711.906357 | 2841273.55557 |
| 58 | 294711.798255 | 2841273.64852 |
| 59 | 294710.983318 | 2841274.39458 |
| 60 | 294707.277455 | 2841277.97966 |
| 61 | 294706.67851 | 2841278.58436 |
| 62 | 294703.430051 | 2841282.00611 |
| 63 | 294702.418374 | 2841283.15712 |
| 64 | 294699.136521 | 2841287.19275 |
| 65 | 294698.487886 | 2841288.03519 |
| 66 | 294695.57323 | 2841292.03645 |
| 67 | 294695.468175 | 2841292.15406 |
| 68 | 294692.633594 | 2841296.13325 |
| 69 | 294692.04698 | 2841296.99776 |
| 70 | 294686.939053 | 2841304.96598 |
| 71 | 294672.931502 | 2841327.04936 |
| 72 | 294696.606537 | 2841272.78074 |
| 73 | 294696.818965 | 2841272.2749 |
| 74 | 294699.608761 | 2841265.36929 |
| 75 | 294699.962261 | 2841264.42657 |
| 76 | 294700.069581 | 2841264.10792 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 79 | 294702.730835 | 2841254.18848 |
| 80 | 294702.858095 | 2841253.47767 |
| 81 | 294702.971161 | 2841252.66663 |
| 82 | 294703.316769 | 2841249.75499 |
| 83 | 294703.455996 | 2841247.46569 |
| 84 | 294703.468658 | 2841243.71443 |
| 85 | 294703.466431 | 2841243.33708 |
| 86 | 294703.318457 | 2841241.19781 |
| 87 | 294702.71905 | 2841236.33951 |
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| 89 | 294702.235975 | 2841233.79336 |
| 90 | 294701.435226 | 2841230.68859 |
| 91 | 294700.935139 | 2841229.04477 |
| 92 | 294699.856205 | 2841225.97819 |
| 93 | 294699.675556 | 2841225.4856 |
| 94 | 294698.902762 | 2841223.72064 |
| 95 | 294697.06408 | 2841220.01787 |
| 96 | 294696.31471 | 2841218.64607 |
| 97 | 294695.793796 | 2841217.82153 |
| 98 | 294693.293673 | 2841214.06999 |
| 99 | 294691.770673 | 2841212.0696 |
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| 102 | 294687.382729 | 2841207.17107 |
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| 104 | 294685.877699 | 2841205.8593 |
| 105 | 294682.011065 | 2841202.81473 |
| 106 | 294680.281518 | 2841201.59543 |
| 107 | 294676.580969 | 2841199.26948 |
| 108 | 294675.668365 | 2841198.72903 |
| 109 | 294674.442753 | 2841198.10075 |
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| 111 | 294670.066884 | 2841196.14212 |
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| 113 | 294666.745721 | 2841194.94885 |
| 114 | 294665.079633 | 2841194.45155 |
| 115 | 294662.217951 | 2841193.731 |
| 116 | 294662.987731 | 2841196.31626 |
| 117 | 294663.525202 | 2841198.39708 |
| 118 | 294664.046285 | 2841199.73414 |
| 119 | 294664.220077 | 2841200.18029 |
| 120 | 294664.813444 | 2841204.51899 |
| 121 | 294664.692363 | 2841206.3233 |
| 122 | 294664.728004 | 2841207.82672 |
| 123 | 294664.414619 | 2841208.43218 |
| 124 | 294662.84778 | 2841211.45919 |
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| 126 | 294659.697375 | 2841216.75899 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 128 | 294657.957907 | 2841219.33316 |
| 129 | 294656.344622 | 2841220.09427 |
| 130 | 294654.264556 | 2841221.76059 |
| 131 | 294653.311316 | 2841222.81891 |
| 132 | 294650.582021 | 2841224.18077 |
| 133 | 294647.846258 | 2841224.78636 |
| 134 | 294645.754317 | 2841224.93862 |
| 135 | 294642.063965 | 2841225.09171 |
| 136 | 294640.153261 | 2841225.6927 |
| 137 | 294639.354414 | 2841225.69291 |
| 138 | 294637.12837 | 2841226.14282 |
| 139 | 294634.907904 | 2841226.59135 |
| 140 | 294633.649903 | 2841227.46778 |
| 141 | 294628.767403 | 2841229.27351 |
| 142 | 294626.890873 | 2841230.61191 |
| 143 | 294623.285789 | 2841231.49534 |
| 144 | 294621.257946 | 2841232.38126 |
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| 146 | 294617.05484 | 2841233.70136 |
| 147 | 294615.034489 | 2841233.84037 |
| 148 | 294611.318208 | 2841234.26682 |
| 149 | 294609.464401 | 2841234.10956 |
| 150 | 294604.389146 | 2841233.49494 |
| 151 | 294599.575822 | 2841232.34064 |
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| 155 | 294598.064516 | 2841240.86658 |
| 156 | 294598.028253 | 2841241.24244 |
| 157 | 294605.656636 | 2841244.30039 |
| 158 | 294606.367599 | 2841244.52666 |
| 159 | 294607.014451 | 2841244.60165 |
| 160 | 294607.869118 | 2841244.77717 |
| 161 | 294608.705153 | 2841245.02661 |
| 162 | 294609.005492 | 2841245.13616 |
| 163 | 294617.967863 | 2841248.56661 |
| 164 | 294618.624093 | 2841248.84495 |
| 165 | 294619.258641 | 2841249.16936 |
| 166 | 294620.001716 | 2841249.62663 |
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| 168 | 294621.354373 | 2841250.72649 |
| 169 | 294621.953618 | 2841251.36058 |
| 170 | 294622.495386 | 2841252.04439 |
| 171 | 294622.975626 | 2841252.773 |
| 172 | 294623.390365 | 2841253.54058 |
| 173 | 294623.737273 | 2841254.34251 |
| 174 | 294629.755046 | 2841270.12487 |
| 175 | 294630.029552 | 2841270.95163 |
| 176 | 294630.231321 | 2841271.79915 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 178 | 294631.907756 | 2841283.34358 |
| 179 | 294632.490351 | 2841282.10682 |
| 180 | 294633.300092 | 2841280.12315 |
| 181 | 294633.482369 | 2841279.57143 |
| 182 | 294634.804188 | 2841275.36582 |
| 183 | 294635.388706 | 2841273.0184 |
| 184 | 294636.414462 | 2841267.49168 |
| 185 | 294636.497758 | 2841267.00966 |
| 186 | 294636.707254 | 2841265.15356 |
| 187 | 294637.21802 | 2841257.38234 |
| 188 | 294637.237491 | 2841257.04172 |
| 189 | 294637.678674 | 2841247.96641 |
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| 191 | 294638.001674 | 2841244.196 |
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| 193 | 294639.027665 | 2841240.27679 |
| 194 | 294639.746597 | 2841238.81849 |
| 195 | 294640.718123 | 2841237.26141 |
| 196 | 294641.444203 | 2841236.42823 |
| 197 | 294643.244605 | 2841234.93226 |
| 198 | 294644.88926 | 2841233.91097 |
| 199 | 294646.997929 | 2841233.03088 |
| 200 | 294648.264597 | 2841232.68281 |
| 201 | 294649.727467 | 2841232.48418 |
| 202 | 294651.349752 | 2841232.47382 |
| 203 | 294652.995161 | 2841232.66221 |
| 204 | 294654.354605 | 2841233.0046 |
| 205 | 294655.640956 | 2841233.46721 |
| 206 | 294656.325764 | 2841233.78906 |
| 207 | 294658.095193 | 2841234.90121 |
| 208 | 294659.679512 | 2841236.14877 |
| 209 | 294660.736607 | 2841237.35456 |
| 210 | 294661.79908 | 2841238.94862 |
| 211 | 294662.526412 | 2841240.41343 |
| 212 | 294662.91238 | 2841241.51022 |
| 213 | 294663.174272 | 2841242.52572 |
| 214 | 294663.459905 | 2841244.84173 |
| 215 | 294663.455255 | 2841246.18085 |
| 216 | 294663.335094 | 2841247.18661 |
| 217 | 294663.060626 | 2841248.57954 |
| 218 | 294662.264503 | 2841251.00787 |
| 219 | 294659.830362 | 2841257.03342 |
| 220 | 294636.40931 | 2841310.72019 |
| 221 | 294637.433741 | 2841316.20402 |
| 222 | 294637.608468 | 2841316.75728 |
| 223 | 294637.892986 | 2841317.88085 |
| 224 | 294637.999275 | 2841318.55755 |
| 225 | 294640.975773 | 2841342.93249 |
| 226 | 294641.048222 | 2841343.98999 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 228 | 294641.043923 | 2841344.5523 |
| 229 | 294643.932937 | 2841367.58735 |
| 230 | 294645.032568 | 2841366.84525 |
| 231 | 294647.811076 | 2841364.82591 |
| 232 | 294649.144753 | 2841363.76708 |
| 233 | 294649.651031 | 2841363.31359 |
| 234 | 294650.315356 | 2841362.69761 |
| 235 | 294644.401358 | 2841371.99236 |
| 236 | 294644.428903 | 2841372.45333 |
| 237 | 294650.926887 | 2841395.9561 |
| 238 | 294657.908262 | 2841419.97856 |
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| 240 | 294661.721205 | 2841417.50414 |
| 241 | 294662.076572 | 2841417.0793 |
| 242 | 294662.582175 | 2841416.4307 |
| 243 | 294665.773176 | 2841412.15858 |
| 244 | 294666.032454 | 2841411.80339 |
| 245 | 294668.630414 | 2841408.1608 |
| 246 | 294669.088976 | 2841407.48931 |
| 247 | 294674.402682 | 2841399.35954 |
| 248 | 294674.535229 | 2841399.154 |
| 249 | 294685.555606 | 2841381.83415 |
| 250 | 294689.863473 | 2841375.06149 |
| 251 | 294715.867268 | 2841334.04597 |
| 252 | 294720.671813 | 2841326.4714 |
| 253 | 294725.443799 | 2841319.02758 |
| 254 | 294727.94779 | 2841315.53694 |
| 255 | 294730.509713 | 2841312.01999 |
| 256 | 294732.971657 | 2841308.99259 |
| 257 | 294735.399071 | 2841306.43569 |
| 258 | 294738.350429 | 2841303.58039 |
| 259 | 294740.933122 | 2841301.37636 |
| 260 | 294744.169209 | 2841298.96998 |
| 261 | 294747.748892 | 2841296.5565 |
| 262 | 294751.621675 | 2841294.09413 |
| 263 | 294759.702795 | 2841289.30772 |
| 264 | 294764.834528 | 2841286.3894 |
| 265 | 294765.214359 | 2841286.16787 |
| 266 | 294765.803893 | 2841285.8012 |
| 267 | 294768.329604 | 2841284.16876 |
| 268 | 294853.4806 | 2841216.81282 |
| 269 | 294853.688517 | 2841216.64548 |
| 270 | 294854.349514 | 2841216.0468 |
| 271 | 294857.648058 | 2841212.92309 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 1 | 294639.264252 | 2841427.49992 |
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| 3 | 294631.665359 | 2841401.34966 |
| 4 | 294629.520722 | 2841393.59284 |
| 5 | 294628.648359 | 2841394.60697 |
| 6 | 294626.471257 | 2841396.74057 |
| 7 | 294623.724221 | 2841399.1122 |
| 8 | 294621.066689 | 2841400.97701 |
| 9 | 294618.213339 | 2841402.61783 |
| 10 | 294615.843526 | 2841403.73636 |
| 11 | 294614.373727 | 2841404.35524 |
| 12 | 294612.122024 | 2841405.12904 |
| 13 | 294608.50753 | 2841406.15393 |
| 14 | 294604.679068 | 2841406.94327 |
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| 17 | 294569.966704 | 2841411.19395 |
| 18 | 294564.922476 | 2841411.69828 |
| 19 | 294564.888807 | 2841411.76338 |
| 20 | 294564.806253 | 2841411.70995 |
| 21 | 294564.064733 | 2841411.78421 |
| 22 | 294561.331955 | 2841411.99086 |
| 23 | 294559.905141 | 2841411.98565 |
| 24 | 294558.594157 | 2841411.84422 |
| 25 | 294557.223658 | 2841411.61053 |
| 26 | 294555.970426 | 2841411.2377 |
| 27 | 294555.306703 | 2841410.98828 |
| 28 | 294553.133513 | 2841410.09067 |
| 29 | 294551.891159 | 2841409.41274 |
| 30 | 294550.450491 | 2841408.4138 |
| 31 | 294549.848514 | 2841407.86556 |
| 32 | 294549.4726 | 2841407.82066 |
| 33 | 294548.416658 | 2841407.53476 |
| 34 | 294546.751845 | 2841407.65501 |
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| 36 | 294543.457748 | 2841406.3061 |
| 37 | 294541.661854 | 2841405.9334 |
| 38 | 294540.321292 | 2841405.45659 |
| 39 | 294538.533194 | 2841405.08587 |
| 40 | 294537.788342 | 2841404.99755 |
| 41 | 294536.006494 | 2841404.62803 |
| 42 | 294534.676726 | 2841404.15434 |
| 43 | 294533.210879 | 2841403.19157 |
| 44 | 294531.748501 | 2841402.23124 |
| 45 | 294531.334053 | 2841400.76537 |
| 46 | 294532.102852 | 2841399.28049 |
| 47 | 294533.471356 | 2841397.39248 |
| 48 | 294535.41174 | 2841396.66893 |
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| 50 | 294538.112159 | 2841395.24153 |
| 51 | 294538.266216 | 2841394.94387 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 67 | 294557.952559 | 2841372.93312 |
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| 74 | 294575.201316 | 2841379.67157 |
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| 77 | 294606.092483 | 2841378.64028 |
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| 81 | 294618.297136 | 2841377.33112 |
| 82 | 294623.618741 | 2841376.31 |
| 83 | 294624.697914 | 2841376.03728 |
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| 87 | 294624.396822 | 2841372.55397 |
| 88 | 294621.10846 | 2841346.33508 |
| 89 | 294621.031896 | 2841345.24526 |
| 90 | 294621.032145 | 2841344.9172 |
| 91 | 294621.036485 | 2841344.6667 |
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| 93 | 294619.548119 | 2841335.55858 |
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| 95 | 294614.937689 | 2841337.24106 |
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| 103 | 294557.509658 | 2841340.28607 |
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| 109 | 294543.806165 | 2841342.8254 |
| 110 | 294541.793718 | 2841343.47372 |
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| 138 | 294515.868399 | 2841383.94231 |
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| 142 | 294518.344917 | 2841388.88514 |
| 143 | 294519.225721 | 2841391.15666 |
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| 146 | 294519.35099 | 2841394.59746 |
| 147 | 294519.516609 | 2841396.46888 |
| 148 | 294519.574697 | 2841397.53138 |
| 149 | 294519.534525 | 2841399.10065 |
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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 159 | 294529.212304 | 2841407.78954 |
| 160 | 294530.946715 | 2841408.38471 |
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| 189 | 294554.138009 | 2841435.95956 |
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| 193 | 294553.164053 | 2841442.34361 |
| 194 | 294552.869094 | 2841443.86401 |
| 195 | 294552.828919 | 2841445.43328 |
| 196 | 294552.739661 | 2841447.25603 |
| 197 | 294552.601226 | 2841449.33207 |
| 198 | 294552.355442 | 2841450.59908 |
| 199 | 294552.335971 | 2841451.35934 |
| 200 | 294552.475228 | 2841451.3831 |
| 201 | 294552.669882 | 2841451.41526 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 202 | 294553.692362 | 2841451.55239 |
| 203 | 294556.647472 | 2841451.87116 |
| 204 | 294558.719679 | 2841451.98636 |
| 205 | 294561.977798 | 2841451.99839 |
| 206 | 294562.360745 | 2841451.99604 |
| 207 | 294563.559241 | 2841451.94151 |
| 208 | 294567.324072 | 2841451.65679 |
| 209 | 294567.806728 | 2841451.61444 |
| 210 | 294574.050587 | 2841450.98988 |
| 211 | 294574.252992 | 2841450.96861 |
| 212 | 294586.077917 | 2841449.6641 |
| 213 | 294586.237563 | 2841449.64578 |
| 214 | 294605.453536 | 2841447.36953 |
| 215 | 294606.472063 | 2841447.22221 |
| 216 | 294611.755996 | 2841446.31866 |
| 217 | 294612.162309 | 2841446.2448 |
| 218 | 294612.423118 | 2841446.19283 |
| 219 | 294617.300096 | 2841445.18746 |
| 220 | 294618.718025 | 2841444.84073 |
| 221 | 294623.561673 | 2841443.46726 |
| 222 | 294624.605592 | 2841443.14018 |
| 223 | 294628.014442 | 2841441.96879 |
| 224 | 294628.645294 | 2841441.74009 |
| 225 | 294629.276489 | 2841441.48686 |
| 226 | 294631.758956 | 2841440.44153 |
| 227 | 294632.534286 | 2841440.09549 |
| 228 | 294636.021759 | 2841438.44943 |
| 229 | 294637.455495 | 2841437.70037 |
| 230 | 294641.790558 | 2841435.20749 |
| 231 | 294642.087136 | 2841435.03349 |
| 232 | 294643.233604 | 2841434.28976 |
| 233 | 294643.102466 | 2841434.19543 |
| 234 | 294642.450073 | 2841433.61598 |
| 235 | 294641.850745 | 2841432.98189 |
| 236 | 294641.308986 | 2841432.29808 |
| 237 | 294640.828843 | 2841431.56947 |
| 238 | 294640.414109 | 2841430.80188 |
| 239 | 294640.067765 | 2841430.00115 |
| 240 | 294639.872226 | 2841429.43924 |
| 241 | 294639.328592 | 2841427.71268 |

POLÍGONO: Ejido San José del Barranco_59

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 294506.155367 | 2841384.97131 |
| 2 | 294505.95972 | 2841384.50787 |
| 3 | 294505.585182 | 2841386.07923 |
| 4 | 294505.292685 | 2841387.54857 |
| 5 | 294505.084687 | 2841389.38332 |
| 6 | 294504.736938 | 2841394.59053 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 7 | 294504.69484 | 2841396.23348 |
| 8 | 294504.699399 | 2841396.45205 |
| 9 | 294504.776591 | 2841399.3715 |
| 10 | 294504.862 | 2841400.76354 |
| 11 | 294505.063819 | 2841402.85563 |
| 12 | 294505.316802 | 2841404.63611 |
| 13 | 294506.179674 | 2841409.21867 |
| 14 | 294506.496256 | 2841410.61012 |
| 15 | 294506.896552 | 2841411.93845 |
| 16 | 294508.309037 | 2841416.07226 |
| 17 | 294508.551892 | 2841416.74425 |
| 18 | 294509.277994 | 2841418.41466 |
| 19 | 294510.961581 | 2841421.85015 |
| 20 | 294511.5535 | 2841422.96747 |
| 21 | 294513.148199 | 2841425.75997 |
| 22 | 294513.352372 | 2841426.10929 |
| 23 | 294514.395709 | 2841427.68021 |
| 24 | 294516.605861 | 2841430.69 |
| 25 | 294517.606357 | 2841431.94379 |
| 26 | 294517.907734 | 2841432.28382 |
| 27 | 294520.387358 | 2841435.01977 |
| 28 | 294521.740269 | 2841436.37563 |
| 29 | 294524.495694 | 2841438.88489 |
| 30 | 294525.344864 | 2841439.61565 |
| 31 | 294526.565459 | 2841440.53309 |
| 32 | 294529.973418 | 2841442.89601 |
| 33 | 294531.639369 | 2841443.93401 |
| 34 | 294531.789201 | 2841444.01669 |
| 35 | 294534.917166 | 2841445.72364 |
| 36 | 294536.862553 | 2841446.65298 |
| 37 | 294540.331054 | 2841448.08569 |
| 38 | 294540.931272 | 2841448.32224 |
| 39 | 294542.557378 | 2841448.93335 |
| 40 | 294543.044318 | 2841449.10927 |
| 41 | 294543.890539 | 2841449.38157 |
| 42 | 294546.970656 | 2841450.29781 |
| 43 | 294547.627576 | 2841450.45068 |
| 44 | 294547.769323 | 2841449.71991 |
| 45 | 294547.965933 | 2841448.70638 |
| 46 | 294548.211715 | 2841447.43926 |
| 47 | 294548.408233 | 2841446.42563 |
| 48 | 294548.555759 | 2841445.66548 |
| 49 | 294548.948976 | 2841443.63822 |
| 50 | 294549.342284 | 2841441.61095 |
| 51 | 294549.637152 | 2841440.09045 |
| 52 | 294549.882846 | 2841438.82343 |
| 53 | 294550.12863 | 2841437.55642 |
| 54 | 294550.276154 | 2841436.79617 |
| 55 | 294550.571023 | 2841435.27577 |
| 56 | 294550.718457 | 2841434.51552 |
| 57 | 294550.856982 | 2841432.43948 |
| 58 | 294550.642281 | 2841430.82134 |
| 59 | 294550.378497 | 2841429.45668 |
| 60 | 294550.624281 | 2841428.18987 |
| 61 | 294550.409579 | 2841426.57143 |
| 62 | 294550.096709 | 2841425.46015 |
| 63 | 294549.224915 | 2841424.50462 |
| 64 | 294547.588854 | 2841423.40248 |
| 65 | 294546.618978 | 2841422.95361 |
| 66 | 294545.648925 | 2841422.50495 |
| 67 | 294544.374999 | 2841422.26069 |
| 68 | 294543.405033 | 2841421.81183 |
| 69 | 294541.876323 | 2841421.5168 |
| 70 | 294540.142003 | 2841420.92353 |
| 71 | 294537.898023 | 2841420.23061 |
| 72 | 294536.878881 | 2841420.03513 |
| 73 | 294535.604956 | 2841419.79088 |
| 74 | 294534.889866 | 2841419.39098 |
| 75 | 294533.361156 | 2841419.09796 |
| 76 | 294531.832354 | 2841418.80484 |
| 77 | 294530.813215 | 2841418.60956 |
| 78 | 294529.539288 | 2841418.3653 |
| 79 | 294527.961405 | 2841418.32577 |
| 80 | 294526.942262 | 2841418.13029 |
| 81 | 294525.668338 | 2841417.88613 |
| 82 | 294524.394411 | 2841417.64188 |
| 83 | 294524.139717 | 2841417.59311 |
| 84 | 294522.248868 | 2841416.4421 |
| 85 | 294521.220724 | 2841414.93083 |
| 86 | 294520.554626 | 2841414.27746 |
| 87 | 294520.496449 | 2841413.21505 |
| 88 | 294519.977874 | 2841411.80143 |
| 89 | 294519.45921 | 2841410.3879 |
| 90 | 294519.146338 | 2841409.27662 |
| 91 | 294519.038986 | 2841408.4676 |
| 92 | 294518.010841 | 2841406.95634 |
| 93 | 294517.854403 | 2841406.4006 |
| 94 | 294517.433996 | 2841404.48021 |
| 95 | 294517.326735 | 2841403.67119 |
| 96 | 294517.062945 | 2841402.30643 |
| 97 | 294516.74989 | 2841401.19506 |
| 98 | 294516.642629 | 2841400.38604 |
| 99 | 294516.633717 | 2841399.07025 |
| 100 | 294515.60548 | 2841397.55898 |
| 101 | 294515.399777 | 2841397.25663 |
| 102 | 294514.420805 | 2841395.49198 |
| 103 | 294513.343487 | 2841394.23429 |
| 104 | 294512.471866 | 2841393.27866 |
| 105 | 294511.854942 | 2841392.3719 |
| 106 | 294510.473659 | 2841391.31853 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 107 | 294509.905909 | 2841390.15839 |
| 108 | 294509.494688 | 2841389.55398 |
| 109 | 294507.956878 | 2841387.94508 |
| 110 | 294507.13434 | 2841386.73596 |
| 111 | 294506.262721 | 2841385.78043 |

POLÍGONO: Ejido San José del Barranco_6

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 287553.289554 | 2843171.21336 |
| 2 | 287552.621219 | 2843170.70386 |
| 3 | 287552.585183 | 2843171.43593 |
| 4 | 287552.520135 | 2843172.75794 |
| 5 | 287552.265471 | 2843173.76508 |
| 6 | 287552.010895 | 2843174.77212 |
| 7 | 287551.819919 | 2843175.52741 |
| 8 | 287551.374369 | 2843177.28983 |
| 9 | 287550.928817 | 2843179.05215 |
| 10 | 287550.546864 | 2843180.56271 |
| 11 | 287550.164911 | 2843182.07328 |
| 12 | 287549.657212 | 2843183.0171 |
| 13 | 287548.769007 | 2843184.40114 |
| 14 | 287547.944564 | 2843185.53352 |
| 15 | 287546.866852 | 2843186.60248 |
| 16 | 287545.97874 | 2843187.98662 |
| 17 | 287544.901101 | 2843189.05568 |
| 18 | 287543.950747 | 2843189.62113 |
| 19 | 287542.873017 | 2843190.69019 |
| 20 | 287542.048592 | 2843191.82237 |
| 21 | 287540.654139 | 2843193.07998 |
| 22 | 287540.020511 | 2843193.45698 |
| 23 | 287538.309334 | 2843194.90304 |
| 24 | 287538.245645 | 2843195.1548 |
| 25 | 287537.104408 | 2843196.47563 |
| 26 | 287535.773553 | 2843197.48138 |
| 27 | 287534.633764 | 2843197.73185 |
| 28 | 287533.619813 | 2843198.54906 |
| 29 | 287532.669371 | 2843199.1146 |
| 30 | 287529.627432 | 2843201.56642 |
| 31 | 287528.562607 | 2843202.66866 |
| 32 | 287529.78409 | 2843203.59973 |
| 33 | 287531.329758 | 2843204.66701 |
| 34 | 287536.109657 | 2843207.64633 |
| 35 | 287536.967918 | 2843208.15219 |
| 36 | 287537.710412 | 2843208.545 |
| 37 | 287543.079134 | 2843211.24222 |
| 38 | 287544.591187 | 2843211.92496 |
| 39 | 287557.233868 | 2843217.01281 |
| 40 | 287574.227556 | 2843223.96164 |
| 41 | 287576.480917 | 2843225.16079 |
| 42 | 287580.064156 | 2843227.26818 |
| 43 | 287582.462271 | 2843229.10769 |
| 44 | 287586.083214 | 2843232.41613 |
| 45 | 287591.331862 | 2843238.11978 |
| 46 | 287605.536832 | 2843256.066 |
| 47 | 287606.112603 | 2843256.78136 |
| 48 | 287606.195392 | 2843256.8763 |
| 49 | 287609.300412 | 2843260.41326 |
| 50 | 287610.483987 | 2843261.65049 |
| 51 | 287612.456792 | 2843263.54338 |
| 52 | 287617.080459 | 2843250.24694 |
| 53 | 287617.39943 | 2843249.44347 |
| 54 | 287617.786613 | 2843248.6705 |
| 55 | 287618.243619 | 2843247.9272 |
| 56 | 287618.763615 | 2843247.22654 |
| 57 | 287619.267753 | 2843246.65211 |
| 58 | 287619.814341 | 2843246.11775 |
| 59 | 287636.624292 | 2843230.89762 |
| 60 | 287636.599734 | 2843230.86961 |
| 61 | 287622.249533 | 2843212.71962 |
| 62 | 287621.673673 | 2843212.02436 |
| 63 | 287621.277473 | 2843211.58075 |
| 64 | 287614.934697 | 2843204.68825 |
| 65 | 287613.70847 | 2843203.46626 |
| 66 | 287608.773785 | 2843198.95745 |
| 67 | 287607.891586 | 2843198.19724 |
| 68 | 287607.372163 | 2843197.78958 |
| 69 | 287603.342484 | 2843194.73195 |
| 70 | 287601.462979 | 2843193.46671 |
| 71 | 287596.50132 | 2843190.52107 |
| 72 | 287596.01237 | 2843190.2401 |
| 73 | 287595.685896 | 2843190.06246 |
| 74 | 287592.128893 | 2843188.16963 |
| 75 | 287590.303436 | 2843187.31342 |
| 76 | 287572.278259 | 2843179.9432 |
| 77 | 287560.297001 | 2843175.12119 |
| 78 | 287556.492087 | 2843173.20942 |

POLÍGONO: Ejido San José del Barranco_60A

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 294570.63979 | 2841592.49441 |
| 2 | 294570.424882 | 2841592.70532 |
| 3 | 294567.286218 | 2841595.83292 |
| 4 | 294564.125357 | 2841598.66999 |
| 5 | 294563.21147 | 2841599.54395 |
| 6 | 294559.89296 | 2841602.92458 |
| 7 | 294559.36716 | 2841603.48112 |
| 8 | 294555.874108 | 2841607.32325 |
| 9 | 294555.154434 | 2841608.16013 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 10 | 294554.418654 | 2841609.12322 |
| 11 | 294551.581901 | 2841613.07985 |
| 12 | 294550.362158 | 2841615.00343 |
| 13 | 294550.234991 | 2841615.2354 |
| 14 | 294547.912738 | 2841619.53834 |
| 15 | 294547.261778 | 2841620.85867 |
| 16 | 294546.709663 | 2841622.22311 |
| 17 | 294545.395297 | 2841625.85003 |
| 18 | 294545.301074 | 2841626.11587 |
| 19 | 294544.890098 | 2841627.45082 |
| 20 | 294544.573254 | 2841628.81132 |
| 21 | 294543.361678 | 2841634.9817 |
| 22 | 294543.239374 | 2841635.66752 |
| 23 | 294543.071062 | 2841637.0036 |
| 24 | 294542.992909 | 2841638.34774 |
| 25 | 294542.866864 | 2841643.51454 |
| 26 | 294542.863323 | 2841644.31203 |
| 27 | 294542.985834 | 2841646.23404 |
| 28 | 294543.498499 | 2841650.79981 |
| 29 | 294543.73358 | 2841652.34608 |
| 30 | 294544.12424 | 2841653.99648 |
| 31 | 294545.569371 | 2841659.12141 |
| 32 | 294546.133055 | 2841660.82443 |
| 33 | 294546.735133 | 2841662.23686 |
| 34 | 294548.910159 | 2841666.84116 |
| 35 | 294549.830511 | 2841668.56556 |
| 36 | 294550.323591 | 2841669.34828 |
| 37 | 294553.388499 | 2841673.97227 |
| 38 | 294554.1311 | 2841675.0182 |
| 39 | 294554.939213 | 2841676.01437 |
| 40 | 294555.75181 | 2841676.89777 |
| 41 | 294558.966294 | 2841680.18888 |
| 42 | 294560.665983 | 2841681.73967 |
| 43 | 294564.621475 | 2841684.94795 |
| 44 | 294565.986221 | 2841685.96192 |
| 45 | 294567.432103 | 2841686.85624 |
| 46 | 294571.574477 | 2841689.18128 |
| 47 | 294573.089052 | 2841689.94559 |
| 48 | 294574.631496 | 2841690.56766 |
| 49 | 294580.333054 | 2841692.5959 |
| 50 | 294580.487498 | 2841692.65001 |
| 51 | 294582.776898 | 2841693.29427 |
| 52 | 294587.016955 | 2841694.2176 |
| 53 | 294588.107035 | 2841694.42354 |
| 54 | 294590.4574 | 2841694.6594 |
| 55 | 294595.394972 | 2841694.86137 |
| 56 | 294596.52236 | 2841694.8757 |
| 57 | 294597.825999 | 2841694.81286 |
| 58 | 294602.67075 | 2841694.42075 |
| 59 | 294604.835451 | 2841694.12593 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 60 | 294606.004805 | 2841693.86457 |
| 61 | 294610.737855 | 2841692.65623 |
| 62 | 294612.92204 | 2841691.9634 |
| 63 | 294613.392252 | 2841691.77694 |
| 64 | 294618.041292 | 2841689.86684 |
| 65 | 294619.399455 | 2841689.24869 |
| 66 | 294620.707765 | 2841688.53096 |
| 67 | 294621.062455 | 2841688.3138 |
| 68 | 294625.158955 | 2841685.74618 |
| 69 | 294626.235622 | 2841685.02167 |
| 70 | 294627.263011 | 2841684.22896 |
| 71 | 294631.148811 | 2841681.02403 |
| 72 | 294631.514987 | 2841680.71461 |
| 73 | 294633.245376 | 2841679.02281 |
| 74 | 294636.663465 | 2841675.25002 |
| 75 | 294637.360056 | 2841674.43862 |
| 76 | 294638.77965 | 2841672.45705 |
| 77 | 294641.582734 | 2841667.99322 |
| 78 | 294642.118398 | 2841667.08804 |
| 79 | 294643.052467 | 2841665.17877 |
| 80 | 294644.685615 | 2841661.33535 |
| 81 | 294645.31326 | 2841659.65195 |
| 82 | 294647.128106 | 2841654.02402 |
| 83 | 294647.503695 | 2841652.70676 |
| 84 | 294649.742737 | 2841643.69221 |
| 85 | 294651.089498 | 2841639.04713 |
| 86 | 294652.386421 | 2841635.38262 |
| 87 | 294653.811663 | 2841631.49629 |
| 88 | 294655.300376 | 2841628.36734 |
| 89 | 294659.46561 | 2841620.54293 |
| 90 | 294661.753725 | 2841616.9434 |
| 91 | 294663.577657 | 2841614.39254 |
| 92 | 294668.580168 | 2841608.17046 |
| 93 | 294675.043255 | 2841601.41136 |
| 94 | 294695.486102 | 2841580.08189 |
| 95 | 294698.671815 | 2841577.10406 |
| 96 | 294700.566396 | 2841575.59877 |
| 97 | 294708.426856 | 2841570.50112 |
| 98 | 294768.962895 | 2841530.92623 |
| 99 | 294775.465192 | 2841526.75428 |
| 100 | 294776.516529 | 2841526.03138 |
| 101 | 294780.147431 | 2841523.3602 |
| 102 | 294780.698379 | 2841522.94 |
| 103 | 294784.741173 | 2841519.74425 |
| 104 | 294785.429777 | 2841519.17435 |
| 105 | 294785.587393 | 2841519.03648 |
| 106 | 294788.776395 | 2841516.21648 |
| 107 | 294790.332339 | 2841514.68116 |
| 108 | 294794.067206 | 2841510.56928 |
| 109 | 294794.780595 | 2841509.73929 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 110 | 294795.184437 | 2841509.22561 |
| 111 | 294797.550581 | 2841506.1132 |
| 112 | 294798.634317 | 2841504.53646 |
| 113 | 294800.482366 | 2841501.55126 |
| 114 | 294800.950285 | 2841500.75476 |
| 115 | 294801.29675 | 2841500.10464 |
| 116 | 294802.631657 | 2841497.48503 |
| 117 | 294803.385451 | 2841495.82261 |
| 118 | 294804.677959 | 2841492.587 |
| 119 | 294805.00224 | 2841491.71699 |
| 120 | 294805.416656 | 2841490.36894 |
| 121 | 294805.76731 | 2841489.06713 |
| 122 | 294799.41897 | 2841489.06009 |
| 123 | 294793.5625 | 2841489.33205 |
| 124 | 294793.253356 | 2841489.34172 |
| 125 | 294792.381176 | 2841489.31714 |
| 126 | 294791.514503 | 2841489.21665 |
| 127 | 294790.528022 | 2841489.00689 |
| 128 | 294772.728623 | 2841484.27276 |
| 129 | 294772.134619 | 2841484.30906 |
| 130 | 294771.076445 | 2841484.26922 |
| 131 | 294764.367148 | 2841483.6606 |
| 132 | 294763.866485 | 2841484.31928 |
| 133 | 294761.455597 | 2841486.97338 |
| 134 | 294759.499718 | 2841488.70294 |
| 135 | 294756.161438 | 2841491.34179 |
| 136 | 294753.324572 | 2841493.42868 |
| 137 | 294747.286609 | 2841497.30306 |
| 138 | 294747.143375 | 2841497.39576 |
| 139 | 294686.595074 | 2841536.9788 |
| 140 | 294683.597527 | 2841538.9227 |
| 141 | 294695.845708 | 2841527.07964 |
| 142 | 294716.767219 | 2841506.67118 |
| 143 | 294723.074428 | 2841500.55411 |
| 144 | 294723.506178 | 2841500.1225 |
| 145 | 294727.193638 | 2841496.32106 |
| 146 | 294728.355934 | 2841495.01286 |
| 147 | 294729.370027 | 2841493.65135 |
| 148 | 294731.336422 | 2841490.76335 |
| 149 | 294731.586168 | 2841490.38748 |
| 150 | 294734.047818 | 2841486.59056 |
| 151 | 294734.739464 | 2841485.44101 |
| 152 | 294735.593182 | 2841483.71795 |
| 153 | 294737.361487 | 2841479.67086 |
| 154 | 294710.815694 | 2841470.69557 |
| 155 | 294710.292086 | 2841470.61249 |
| 156 | 294709.429465 | 2841470.4355 |
| 157 | 294708.593356 | 2841470.18605 |
| 158 | 294707.580589 | 2841469.77181 |
| 159 | 294699.670045 | 2841466.01811 |
| 160 | 294699.590155 | 2841466.20092 |
| 161 | 294698.141832 | 2841468.43484 |
| 162 | 294697.275102 | 2841469.70788 |
| 163 | 294695.002092 | 2841472.05103 |
| 164 | 294688.870597 | 2841477.99789 |
| 165 | 294667.978697 | 2841498.37733 |
| 166 | 294621.21732 | 2841543.59158 |
| 167 | 294635.650515 | 2841585.28275 |
| 168 | 294632.047238 | 2841589.76465 |
| 169 | 294631.365628 | 2841590.66321 |
| 170 | 294628.894855 | 2841594.11849 |
| 171 | 294628.28485 | 2841595.02243 |
| 172 | 294625.291137 | 2841599.73227 |
| 173 | 294624.696322 | 2841600.73074 |
| 174 | 294624.515178 | 2841601.06359 |
| 175 | 294619.774832 | 2841609.96839 |
| 176 | 294619.369193 | 2841610.7737 |
| 177 | 294617.289356 | 2841615.14482 |
| 178 | 294616.572221 | 2841616.85163 |
| 179 | 294614.78732 | 2841621.71865 |
| 180 | 294614.710261 | 2841621.9325 |
| 181 | 294613.183209 | 2841626.24743 |
| 182 | 294613.139884 | 2841626.37127 |
| 183 | 294612.828332 | 2841627.35081 |
| 184 | 294611.211723 | 2841632.92695 |
| 185 | 294611.010372 | 2841633.67518 |
| 186 | 294608.843603 | 2841642.39863 |
| 187 | 294607.515176 | 2841646.51795 |
| 188 | 294606.856486 | 2841648.0683 |
| 189 | 294605.835934 | 2841649.69341 |
| 190 | 294604.574282 | 2841651.08597 |
| 191 | 294602.811756 | 2841652.53941 |
| 192 | 294601.260855 | 2841653.51153 |
| 193 | 294599.485495 | 2841654.24108 |
| 194 | 294597.753454 | 2841654.68315 |
| 195 | 294595.813094 | 2841654.84016 |
| 196 | 294593.831659 | 2841654.75893 |
| 197 | 294592.540207 | 2841654.47768 |
| 198 | 294589.641751 | 2841653.4467 |
| 199 | 294588.498686 | 2841652.80509 |
| 200 | 294586.775632 | 2841651.40742 |
| 201 | 294585.690038 | 2841650.29596 |
| 202 | 294584.465724 | 2841648.4489 |
| 203 | 294583.61975 | 2841646.65807 |
| 204 | 294583.071186 | 2841644.71236 |
| 205 | 294582.693107 | 2841643.12624 |
| 206 | 294582.944414 | 2841641.02205 |
| 207 | 294583.531668 | 2841638.03112 |
| 208 | 294583.818411 | 2841637.23991 |
| 209 | 294584.835223 | 2841635.35586 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 210 | 294586.254665 | 2841633.37628 |
| 211 | 294588.710454 | 2841630.67491 |
| 212 | 294591.317218 | 2841628.01933 |
| 213 | 294594.395071 | 2841625.257 |
| 214 | 294595.153086 | 2841624.54002 |
| 215 | 294598.556855 | 2841621.14832 |

POLÍGONO: Ejido San José del Barranco_60B

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 294570.63979 | 2841592.49441 |
| 2 | 294598.556855 | 2841621.14832 |
| 3 | 294635.650515 | 2841585.28275 |
| 4 | 294621.21732 | 2841543.59158 |

POLÍGONO: Ejido San José del Barranco_61

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 294808.372108 | 2841469.06893 |
| 2 | 294808.372421 | 2841468.43522 |
| 3 | 294808.303308 | 2841467.05549 |
| 4 | 294807.639859 | 2841459.22771 |
| 5 | 294807.477885 | 2841457.86954 |
| 6 | 294804.147064 | 2841436.26127 |
| 7 | 294803.482659 | 2841431.74051 |
| 8 | 294802.916559 | 2841427.33989 |
| 9 | 294802.61136 | 2841422.59553 |
| 10 | 294802.665068 | 2841420.43969 |
| 11 | 294802.829157 | 2841417.14729 |
| 12 | 294803.477485 | 2841413.72203 |
| 13 | 294804.205123 | 2841410.71858 |
| 14 | 294805.209634 | 2841407.86871 |
| 15 | 294806.004204 | 2841405.77495 |
| 16 | 294806.584196 | 2841404.5523 |
| 17 | 294808.31107 | 2841401.63105 |
| 18 | 294810.16276 | 2841398.79248 |
| 19 | 294812.12314 | 2841396.40675 |
| 20 | 294813.919694 | 2841394.55151 |
| 21 | 294817.173672 | 2841391.58034 |
| 22 | 294820.372023 | 2841389.15792 |
| 23 | 294823.818366 | 2841386.62544 |
| 24 | 294848.616095 | 2841370.88753 |
| 25 | 294860.712359 | 2841363.16986 |
| 26 | 294864.508015 | 2841361.06937 |
| 27 | 294868.408013 | 2841358.93049 |
| 28 | 294871.855372 | 2841357.26858 |
| 29 | 294876.054924 | 2841355.53904 |
| 30 | 294879.478398 | 2841354.30053 |
| 31 | 294887.995858 | 2841351.82608 |
| 32 | 294891.753655 | 2841350.93289 |
| 33 | 294895.763408 | 2841350.27347 |
| 34 | 294904.743228 | 2841349.3406 |
| 35 | 294913.215626 | 2841349.12641 |
| 36 | 294931.881517 | 2841349.32089 |
| 37 | 294932.437859 | 2841349.31896 |
| 38 | 294942.590753 | 2841349.12256 |
| 39 | 294943.456685 | 2841349.08706 |
| 40 | 294948.395393 | 2841348.77703 |
| 41 | 294949.863661 | 2841348.63047 |
| 42 | 294954.940693 | 2841347.93325 |
| 43 | 294955.997107 | 2841347.75937 |
| 44 | 294956.501665 | 2841347.6556 |
| 45 | 294961.212654 | 2841346.62303 |
| 46 | 294962.555698 | 2841346.27969 |
| 47 | 294963.871668 | 2841345.844 |
| 48 | 294968.640161 | 2841344.07968 |
| 49 | 294968.830054 | 2841344.00829 |
| 50 | 294970.440983 | 2841343.31103 |
| 51 | 294974.773366 | 2841341.20606 |
| 52 | 294976.29915 | 2841340.38107 |
| 53 | 294976.838882 | 2841340.04646 |
| 54 | 294979.287778 | 2841338.47405 |
| 55 | 294980.284305 | 2841337.79077 |
| 56 | 294982.182754 | 2841336.40306 |
| 57 | 294983.254955 | 2841335.56186 |
| 58 | 294985.458836 | 2841333.70783 |
| 59 | 294985.675334 | 2841333.52312 |
| 60 | 294986.759358 | 2841332.51192 |
| 61 | 294988.690449 | 2841330.57173 |
| 62 | 294989.459151 | 2841329.75495 |
| 63 | 294991.570658 | 2841327.38126 |
| 64 | 294992.145131 | 2841326.7059 |
| 65 | 294992.756903 | 2841325.91387 |
| 66 | 294994.042751 | 2841324.15993 |
| 67 | 294994.737031 | 2841323.14958 |
| 68 | 294996.903225 | 2841319.77981 |
| 69 | 294997.552655 | 2841318.69561 |
| 70 | 294997.722939 | 2841318.38375 |
| 71 | 295000.075663 | 2841313.9768 |
| 72 | 295000.918352 | 2841312.19154 |
| 73 | 295002.842821 | 2841307.53151 |
| 74 | 295003.239164 | 2841306.49069 |
| 75 | 295005.014232 | 2841301.40744 |
| 76 | 295005.358624 | 2841300.31819 |
| 77 | 295008.169705 | 2841290.45571 |
| 78 | 295008.322409 | 2841289.88861 |
| 79 | 295010.017968 | 2841283.20109 |
| 80 | 295010.212064 | 2841282.52503 |
| 81 | 295011.272765 | 2841279.99229 |
| 82 | 295012.570128 | 2841277.63298 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 83 | 295013.440225 | 2841276.41732 |
| 84 | 295015.519868 | 2841274.2541 |
| 85 | 295017.396627 | 2841272.75342 |
| 86 | 295019.345734 | 2841271.61008 |
| 87 | 295021.484726 | 2841270.71622 |
| 88 | 295023.670881 | 2841270.0617 |
| 89 | 295026.087182 | 2841269.73528 |
| 90 | 295028.504023 | 2841269.71667 |
| 91 | 295031.844801 | 2841270.13761 |
| 92 | 295065.05834 | 2841277.01989 |
| 93 | 295065.94812 | 2841277.18333 |
| 94 | 295066.14519 | 2841277.21406 |
| 95 | 295071.721058 | 2841278.05162 |
| 96 | 295072.550997 | 2841278.15868 |
| 97 | 295076.594031 | 2841278.5941 |
| 98 | 295077.738694 | 2841278.68415 |
| 99 | 295082.814725 | 2841278.93759 |
| 100 | 295084.120804 | 2841278.96006 |
| 101 | 295084.919755 | 2841278.93178 |
| 102 | 295090.131713 | 2841278.6426 |
| 103 | 295091.971953 | 2841278.45473 |
| 104 | 295095.827627 | 2841277.88027 |
| 105 | 295096.656525 | 2841277.73872 |
| 106 | 295097.55559 | 2841277.54446 |
| 107 | 295099.740281 | 2841277.01903 |
| 108 | 295101.474098 | 2841276.5185 |
| 109 | 295104.881053 | 2841275.36581 |
| 110 | 295105.601753 | 2841275.10654 |
| 111 | 295106.548557 | 2841274.71722 |
| 112 | 295111.074086 | 2841272.71954 |
| 113 | 295113.241658 | 2841271.60014 |
| 114 | 295116.932513 | 2841269.3992 |
| 115 | 295118.196129 | 2841268.57837 |
| 116 | 295119.384388 | 2841267.67291 |
| 117 | 295122.779915 | 2841264.87941 |
| 118 | 295123.164038 | 2841264.55528 |
| 119 | 295123.306423 | 2841264.43071 |
| 120 | 295125.721793 | 2841262.29939 |
| 121 | 295127.491003 | 2841260.52924 |
| 122 | 295129.622189 | 2841258.11192 |
| 123 | 295130.137559 | 2841257.50335 |
| 124 | 295130.528234 | 2841257.00702 |
| 125 | 295131.843701 | 2841255.28055 |
| 126 | 295132.631011 | 2841254.17091 |
| 127 | 295134.621355 | 2841251.15336 |
| 128 | 295135.398979 | 2841249.87257 |
| 129 | 295135.599712 | 2841249.50305 |
| 130 | 295137.521656 | 2841245.87469 |
| 131 | 295138.407441 | 2841243.9664 |
| 132 | 295139.204364 | 2841241.98206 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 133 | 295128.11209 | 2841237.59132 |
| 134 | 295127.9032 | 2841237.56714 |
| 135 | 295126.688423 | 2841237.29361 |
| 136 | 295123.832461 | 2841236.46107 |
| 137 | 295123.356553 | 2841236.30937 |
| 138 | 295122.253164 | 2841235.85136 |
| 139 | 295102.432454 | 2841226.19961 |
| 140 | 295101.677621 | 2841228.07887 |
| 141 | 295100.697564 | 2841229.92892 |
| 142 | 295099.611331 | 2841231.57582 |
| 143 | 295099.141066 | 2841232.19297 |
| 144 | 295098.312216 | 2841233.13304 |
| 145 | 295097.095756 | 2841234.20656 |
| 146 | 295095.134218 | 2841235.82035 |
| 147 | 295093.601116 | 2841236.61534 |
| 148 | 295091.21289 | 2841237.75788 |
| 149 | 295089.509226 | 2841238.33418 |
| 150 | 295089.059456 | 2841238.44227 |
| 151 | 295086.99106 | 2841238.75056 |
| 152 | 295083.755997 | 2841238.92998 |
| 153 | 295080.306083 | 2841238.75775 |
| 154 | 295077.250911 | 2841238.42865 |
| 155 | 295072.634679 | 2841237.73521 |
| 156 | 295039.188672 | 2841230.80488 |
| 157 | 295038.298796 | 2841230.64125 |
| 158 | 295037.63122 | 2841230.54563 |
| 159 | 295032.183914 | 2841229.85927 |
| 160 | 295030.858854 | 2841229.73674 |
| 161 | 295029.528663 | 2841229.70288 |
| 162 | 295024.390581 | 2841229.7424 |
| 163 | 295024.235733 | 2841229.74419 |
| 164 | 295022.929072 | 2841229.80713 |
| 165 | 295021.629239 | 2841229.95547 |
| 166 | 295016.836581 | 2841230.66152 |
| 167 | 295015.974793 | 2841230.80787 |
| 168 | 295014.460657 | 2841231.16042 |
| 169 | 295009.664956 | 2841232.476 |
| 170 | 295007.825592 | 2841233.07753 |
| 171 | 295007.244717 | 2841233.30963 |
| 172 | 295002.676991 | 2841235.21821 |
| 173 | 295001.451722 | 2841235.77956 |
| 174 | 295000.266987 | 2841236.4219 |
| 175 | 294995.91029 | 2841238.97796 |
| 176 | 294995.764154 | 2841239.06432 |
| 177 | 294994.62662 | 2841239.79821 |
| 178 | 294993.541181 | 2841240.60733 |
| 179 | 294989.516027 | 2841243.82555 |
| 180 | 294988.914288 | 2841244.32624 |
| 181 | 294987.586755 | 2841245.58634 |
| 182 | 294983.597672 | 2841249.73606 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 183 | 294982.498171 | 2841250.97919 |
| 184 | 294981.753058 | 2841251.95525 |
| 185 | 294979.350053 | 2841255.31204 |
| 186 | 294978.113675 | 2841257.2698 |
| 187 | 294975.706567 | 2841261.64661 |
| 188 | 294974.783659 | 2841263.55867 |
| 189 | 294972.859711 | 2841268.15303 |
| 190 | 294972.410106 | 2841269.32941 |
| 191 | 294972.084206 | 2841270.35878 |
| 192 | 294971.480663 | 2841272.46053 |
| 193 | 294971.317166 | 2841273.06546 |
| 194 | 294969.61643 | 2841279.77331 |
| 195 | 294967.045912 | 2841288.792 |
| 196 | 294965.654553 | 2841292.77592 |
| 197 | 294964.319934 | 2841296.00788 |
| 198 | 294962.814234 | 2841298.82802 |
| 199 | 294961.417285 | 2841301.00103 |
| 200 | 294961.05282 | 2841301.49825 |
| 201 | 294959.941765 | 2841302.74714 |
| 202 | 294959.029753 | 2841303.6636 |
| 203 | 294958.02471 | 2841304.50885 |
| 204 | 294957.164784 | 2841305.1376 |
| 205 | 294956.222492 | 2841305.74251 |
| 206 | 294953.838713 | 2841306.90075 |
| 207 | 294951.292207 | 2841307.84307 |
| 208 | 294948.712421 | 2841308.40831 |
| 209 | 294945.154254 | 2841308.897 |
| 210 | 294941.383224 | 2841309.13367 |
| 211 | 294931.999383 | 2841309.31519 |
| 212 | 294913.274004 | 2841309.12004 |
| 213 | 294912.756484 | 2841309.12146 |
| 214 | 294912.560403 | 2841309.12549 |
| 215 | 294902.949485 | 2841309.36824 |
| 216 | 294901.387759 | 2841309.46892 |
| 217 | 294891.038009 | 2841310.54424 |
| 218 | 294889.859255 | 2841310.70238 |
| 219 | 294884.566797 | 2841311.57267 |
| 220 | 294884.0351 | 2841311.66759 |
| 221 | 294883.186965 | 2841311.84971 |
| 222 | 294878.263169 | 2841313.02003 |
| 223 | 294877.308022 | 2841313.27228 |
| 224 | 294867.697695 | 2841316.06448 |
| 225 | 294866.473985 | 2841316.46306 |
| 226 | 294862.03707 | 2841318.06814 |
| 227 | 294861.710506 | 2841318.18959 |
| 228 | 294861.225109 | 2841318.38205 |
| 229 | 294856.080102 | 2841320.50062 |
| 230 | 294855.010054 | 2841320.97846 |
| 231 | 294850.563858 | 2841323.122 |
| 232 | 294849.632097 | 2841323.60169 |
| 233 | 294845.218097 | 2841326.02257 |
| 234 | 294840.795387 | 2841328.46999 |
| 235 | 294840.212863 | 2841328.80526 |
| 236 | 294839.721954 | 2841329.10843 |
| 237 | 294827.144304 | 2841337.13332 |
| 238 | 294801.80585 | 2841353.21436 |
| 239 | 294800.679908 | 2841353.98416 |
| 240 | 294796.565217 | 2841357.00762 |
| 241 | 294796.332654 | 2841357.18102 |
| 242 | 294792.287582 | 2841360.24486 |
| 243 | 294791.271556 | 2841361.06807 |
| 244 | 294790.876664 | 2841361.41918 |
| 245 | 294786.490264 | 2841365.42444 |
| 246 | 294785.609026 | 2841366.28014 |
| 247 | 294782.817751 | 2841369.16245 |
| 248 | 294781.731959 | 2841370.37927 |
| 249 | 294778.523406 | 2841374.2845 |
| 250 | 294777.257714 | 2841376.01424 |
| 251 | 294774.563939 | 2841380.1436 |
| 252 | 294774.097916 | 2841380.89352 |
| 253 | 294771.682956 | 2841384.97681 |
| 254 | 294771.426626 | 2841385.42544 |
| 255 | 294770.829235 | 2841386.58568 |
| 256 | 294769.516653 | 2841389.35293 |
| 257 | 294768.890355 | 2841390.82195 |
| 258 | 294767.725455 | 2841393.88897 |
| 259 | 294767.558057 | 2841394.34608 |
| 260 | 294766.120157 | 2841398.42831 |
| 261 | 294765.563109 | 2841400.31659 |
| 262 | 294764.478284 | 2841404.79446 |
| 263 | 294764.265025 | 2841405.78363 |
| 264 | 294763.266571 | 2841411.0578 |
| 265 | 294763.170088 | 2841411.60988 |
| 266 | 294762.942356 | 2841413.78246 |
| 267 | 294762.697299 | 2841418.69927 |
| 268 | 294762.678726 | 2841419.19733 |
| 269 | 294762.596773 | 2841422.49224 |
| 270 | 294762.592913 | 2841423.2993 |
| 271 | 294762.631835 | 2841424.2741 |
| 272 | 294763.035053 | 2841430.54345 |
| 273 | 294763.157337 | 2841431.81084 |
| 274 | 294763.827354 | 2841437.02033 |
| 275 | 294763.876496 | 2841437.37742 |
| 276 | 294764.578252 | 2841442.15193 |
| 277 | 294764.599181 | 2841442.29062 |
| 278 | 294767.835922 | 2841463.28877 |
| 279 | 294767.8873 | 2841463.89546 |
| 280 | 294771.698578 | 2841464.25933 |
| 281 | 294772.483057 | 2841464.19687 |
| 282 | 294773.391748 | 2841464.14136 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 283 | 294774.263932 | 2841464.16603 |
| 284 | 294775.130606 | 2841464.26653 |
| 285 | 294776.117088 | 2841464.47618 |
| 286 | 294794.17739 | 2841469.27963 |
| 287 | 294798.729001 | 2841469.06831 |
| 288 | 294799.038235 | 2841469.05864 |
| 289 | 294799.203928 | 2841469.05757 |

POLÍGONO: Ejido San José del Barranco_62

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 295363.347699 | 2840882.70849 |
| 2 | 295366.174929 | 2840882.40638 |
| 3 | 295368.500552 | 2840882.40659 |
| 4 | 295371.500627 | 2840882.84793 |
| 5 | 295374.723652 | 2840883.56894 |
| 6 | 295379.471411 | 2840884.91459 |
| 7 | 295389.477933 | 2840888.62183 |
| 8 | 295396.529968 | 2840891.37144 |
| 9 | 295397.004123 | 2840891.54948 |
| 10 | 295402.088784 | 2840893.38501 |
| 11 | 295402.330051 | 2840893.47048 |
| 12 | 295403.737368 | 2840893.90091 |
| 13 | 295407.621656 | 2840894.93441 |
| 14 | 295408.462508 | 2840895.13889 |
| 15 | 295412.805912 | 2840896.09555 |
| 16 | 295413.977376 | 2840896.31726 |
| 17 | 295418.46125 | 2840897.01894 |
| 18 | 295420.733605 | 2840897.2428 |
| 19 | 295424.471205 | 2840897.39614 |
| 20 | 295425.495815 | 2840897.41193 |
| 21 | 295428.75344 | 2840897.37865 |
| 22 | 295430.805556 | 2840897.24676 |
| 23 | 295434.114752 | 2840896.8623 |
| 24 | 295435.050039 | 2840896.73119 |
| 25 | 295438.448306 | 2840896.17276 |
| 26 | 295438.981373 | 2840896.07764 |
| 27 | 295440.866987 | 2840895.61937 |
| 28 | 295444.805196 | 2840894.45699 |
| 29 | 295445.969868 | 2840894.07401 |
| 30 | 295451.937532 | 2840891.90703 |
| 31 | 295452.240853 | 2840891.79413 |
| 32 | 295453.725287 | 2840891.15809 |
| 33 | 295466.92239 | 2840884.86037 |
| 34 | 295467.391405 | 2840884.62892 |
| 35 | 295480.256426 | 2840878.07146 |
| 36 | 295480.401394 | 2840877.99678 |
| 37 | 295507.470458 | 2840863.91984 |
| 38 | 295507.807167 | 2840863.74075 |
| 39 | 295512.943969 | 2840860.94375 |
| 40 | 295513.645633 | 2840860.5432 |
| 41 | 295514.310312 | 2840860.12776 |
| 42 | 295518.057537 | 2840857.68213 |
| 43 | 295518.26923 | 2840857.54215 |
| 44 | 295521.261998 | 2840855.53456 |
| 45 | 295522.260801 | 2840854.8191 |
| 46 | 295525.960532 | 2840851.99283 |
| 47 | 295526.910319 | 2840851.22014 |
| 48 | 295527.363664 | 2840850.81553 |
| 49 | 295530.280976 | 2840848.13067 |
| 50 | 295531.023153 | 2840847.4113 |
| 51 | 295533.617819 | 2840844.7632 |
| 52 | 295534.222341 | 2840844.1183 |
| 53 | 295536.364315 | 2840841.72959 |
| 54 | 295536.991303 | 2840840.99546 |
| 55 | 295537.169312 | 2840840.77348 |
| 56 | 295540.248184 | 2840836.67504 |
| 57 | 295541.519705 | 2840835.06838 |
| 58 | 295543.782339 | 2840831.44331 |
| 59 | 295544.288398 | 2840830.58568 |
| 60 | 295544.532407 | 2840830.13408 |
| 61 | 295546.529184 | 2840826.32208 |
| 62 | 295547.140791 | 2840825.04676 |
| 63 | 295548.778731 | 2840821.29649 |
| 64 | 295549.204439 | 2840820.24109 |
| 65 | 295551.043423 | 2840815.27854 |
| 66 | 295551.186812 | 2840814.87861 |
| 67 | 295551.491937 | 2840813.92143 |
| 68 | 295553.461934 | 2840807.15772 |
| 69 | 295553.728028 | 2840806.14663 |
| 70 | 295556.571889 | 2840794.06294 |
| 71 | 295556.601532 | 2840793.93543 |
| 72 | 295559.4365 | 2840781.52621 |
| 73 | 295560.461879 | 2840777.23042 |
| 74 | 295561.40281 | 2840773.9481 |
| 75 | 295562.325157 | 2840771.23559 |
| 76 | 295563.15595 | 2840768.94631 |
| 77 | 295564.643087 | 2840765.63565 |
| 78 | 295566.220667 | 2840762.8671 |
| 79 | 295568.506961 | 2840759.53377 |
| 80 | 295570.289663 | 2840757.47049 |
| 81 | 295572.769077 | 2840754.96608 |
| 82 | 295575.700468 | 2840752.54829 |
| 83 | 295578.720478 | 2840750.54826 |
| 84 | 295582.018827 | 2840748.82418 |
| 85 | 295585.486924 | 2840747.31473 |
| 86 | 295587.819252 | 2840746.59986 |
| 87 | 295593.828351 | 2840745.33498 |
| 88 | 295598.72115 | 2840744.78018 |
| 89 | 295618.280697 | 2840743.89165 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 93 | 295639.765811 | 2840742.75086 |
| 94 | 295642.977156 | 2840742.17903 |
| 95 | 295643.247223 | 2840742.12903 |
| 96 | 295644.824282 | 2840741.75904 |
| 97 | 295649.137597 | 2840740.56096 |
| 98 | 295650.914101 | 2840739.97674 |
| 99 | 295651.106127 | 2840739.90233 |
| 100 | 295654.930402 | 2840738.39817 |
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| 103 | 295661.474854 | 2840735.17407 |
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| 107 | 295670.884519 | 2840728.34715 |
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| 110 | 295674.750332 | 2840724.79549 |
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| 112 | 295702.493301 | 2840695.28963 |
| 113 | 295706.443121 | 2840691.53279 |
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| 118 | 295721.494354 | 2840680.73848 |
| 119 | 295725.752325 | 2840678.68914 |
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| 121 | 295732.992939 | 2840676.16399 |
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| 123 | 295744.969793 | 2840673.82962 |
| 124 | 295758.741526 | 2840672.35027 |
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| 126 | 295785.933615 | 2840669.62122 |
| 127 | 295793.615761 | 2840668.65097 |
| 128 | 295794.161135 | 2840668.57432 |
| 129 | 295800.710804 | 2840667.5632 |
| 130 | 295801.434872 | 2840667.43776 |
| 131 | 295802.290163 | 2840667.25389 |
| 132 | 295808.0999 | 2840665.8712 |
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| 134 | 295815.42973 | 2840663.54373 |
| 135 | 295816.336822 | 2840663.22244 |
| 136 | 295818.241488 | 2840662.37977 |
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| 139 | 295824.878023 | 2840658.85548 |

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| 144 | 295837.095501 | 2840648.92654 |
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| 146 | 295834.661748 | 2840647.31234 |
| 147 | 295833.66987 | 2840646.60163 |
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| 151 | 295823.76484 | 2840636.97809 |
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| 161 | 295818.423936 | 2840631.52027 |
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| 184 | 295716.531626 | 2840639.34833 |
| 185 | 295715.192689 | 2840639.80562 |
| 186 | 295714.799606 | 2840639.96045 |
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| 189 | 295703.651684 | 2840644.92916 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 196 | 295688.276198 | 2840654.46512 |
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| 198 | 295684.541189 | 2840657.42489 |
| 199 | 295683.930388 | 2840657.93275 |
| 200 | 295683.548189 | 2840658.27238 |
| 201 | 295679.340821 | 2840662.10683 |
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| 212 | 295633.464204 | 2840703.23907 |
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| 216 | 295596.230403 | 2840704.84746 |
| 217 | 295594.88427 | 2840704.95419 |
| 218 | 295588.381161 | 2840705.69155 |
| 219 | 295586.858513 | 2840705.92397 |
| 220 | 295586.514776 | 2840705.99305 |
| 221 | 295578.69748 | 2840707.63866 |
| 222 | 295576.95502 | 2840708.08803 |
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| 224 | 295571.412451 | 2840709.83413 |
| 225 | 295570.560502 | 2840710.18189 |
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| 227 | 295564.118256 | 2840713.04063 |
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| 229 | 295558.271692 | 2840716.13385 |
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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 244 | 295529.315258 | 2840746.83215 |
| 245 | 295528.543859 | 2840748.36903 |
| 246 | 295526.360401 | 2840753.22986 |
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| 249 | 295524.534668 | 2840758.10891 |
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| 255 | 295520.458494 | 2840772.52085 |
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| 258 | 295513.283051 | 2840802.04819 |
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| 264 | 295504.73374 | 2840817.08146 |
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| 269 | 295493.113508 | 2840826.19085 |
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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 295 | 295371.426603 | 2840842.45549 |
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| 299 | 295362.98556 | 2840842.51471 |
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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 490 | 295348.753987 | 2840898.84109 |
| 491 | 295349.216896 | 2840896.31093 |
| 492 | 295349.609672 | 2840894.83709 |
| 493 | 295350.328358 | 2840893.06961 |
| 494 | 295351.462403 | 2840890.83574 |
| 495 | 295353.107856 | 2840888.63653 |
| 496 | 295354.888974 | 2840886.80165 |
| 497 | 295356.479951 | 2840885.57888 |
| 498 | 295358.936752 | 2840884.1888 |
| 499 | 295361.230861 | 2840883.26989 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 295849.789412 | 2840588.91388 |
| 2 | 295847.669896 | 2840582.78915 |
| 3 | 295847.475322 | 2840582.25192 |
| 4 | 295843.69683 | 2840572.26595 |
| 5 | 295843.491619 | 2840571.74762 |
| 6 | 295833.581259 | 2840547.7041 |
| 7 | 295831.316315 | 2840541.10865 |
| 8 | 295829.90151 | 2840536.61206 |
| 9 | 295829.169162 | 2840533.52891 |
| 10 | 295828.59929 | 2840528.8262 |
| 11 | 295828.452983 | 2840526.47794 |
| 12 | 295828.567588 | 2840523.19082 |
| 13 | 295828.613603 | 2840522.3897 |
| 14 | 295829.086508 | 2840516.39898 |
| 15 | 295830.988951 | 2840504.38048 |
| 16 | 295837.21125 | 2840466.69813 |
| 17 | 295837.270981 | 2840466.30717 |
| 18 | 295838.235962 | 2840459.53916 |
| 19 | 295838.329167 | 2840458.78216 |
| 20 | 295838.983772 | 2840452.47931 |
| 21 | 295839.009804 | 2840452.21075 |
| 22 | 295839.565881 | 2840446.04884 |
| 23 | 295839.621935 | 2840445.24856 |
| 24 | 295839.942751 | 2840438.8224 |
| 25 | 295839.967386 | 2840437.73501 |
| 26 | 295839.936822 | 2840430.9285 |
| 27 | 295839.934556 | 2840430.71079 |
| 28 | 295839.926532 | 2840430.3712 |
| 29 | 295839.577732 | 2840419.59743 |
| 30 | 295839.548923 | 2840418.99278 |
| 31 | 295838.688059 | 2840405.2662 |
| 32 | 295837.002411 | 2840378.39137 |
| 33 | 295836.966809 | 2840377.91459 |
| 34 | 295835.903413 | 2840365.65811 |
| 35 | 295835.736551 | 2840364.28657 |
| 36 | 295834.831587 | 2840358.51884 |
| 37 | 295834.713725 | 2840357.84341 |
| 38 | 295834.51203 | 2840356.91396 |
| 39 | 295833.441339 | 2840352.49031 |
| 40 | 295833.10647 | 2840351.27551 |
| 41 | 295831.753633 | 2840346.90981 |
| 42 | 295831.336126 | 2840345.70077 |
| 43 | 295830.773075 | 2840344.37089 |
| 44 | 295828.65564 | 2840339.83379 |
| 45 | 295827.696728 | 2840338.02679 |
| 46 | 295827.434219 | 2840337.60003 |
| 47 | 295825.07979 | 2840333.87805 |
| 48 | 295823.995551 | 2840332.33108 |
| 49 | 295821.333052 | 2840328.86987 |
| 50 | 295820.636205 | 2840328.0386 |
| 51 | 295819.737836 | 2840327.06755 |
| 52 | 295819.432068 | 2840326.75825 |
| 53 | 295795.985151 | 2840369.01979 |
| 54 | 295796.108409 | 2840369.80515 |
| 55 | 295797.091389 | 2840381.13519 |
| 56 | 295798.761869 | 2840407.77029 |
| 57 | 295799.603869 | 2840421.19551 |
| 58 | 295799.933801 | 2840431.3865 |
| 59 | 295799.960692 | 2840437.37193 |
| 60 | 295799.687125 | 2840442.85296 |
| 61 | 295799.178821 | 2840448.48538 |
| 62 | 295798.578112 | 2840454.2692 |
| 63 | 295797.69784 | 2840460.44298 |
| 64 | 295791.498705 | 2840497.98629 |
| 65 | 295789.449256 | 2840510.93123 |
| 66 | 295789.26324 | 2840512.5115 |
| 67 | 295788.833299 | 2840518.47018 |
| 68 | 295788.691096 | 2840520.0982 |
| 69 | 295788.639375 | 2840520.89811 |
| 70 | 295788.603368 | 2840521.9504 |
| 71 | 295788.439101 | 2840525.96279 |
| 72 | 295788.427586 | 2840527.0362 |
| 73 | 295788.463754 | 2840527.97218 |
| 74 | 295788.70836 | 2840531.89553 |
| 75 | 295788.814838 | 2840533.05764 |
| 76 | 295789.590601 | 2840539.46035 |
| 77 | 295789.804951 | 2840540.83056 |
| 78 | 295789.966959 | 2840541.6778 |
| 79 | 295791.145829 | 2840546.55531 |
| 80 | 295791.526224 | 2840547.93503 |
| 81 | 295793.233891 | 2840553.36305 |
| 82 | 295793.396374 | 2840553.85702 |
| 83 | 295795.940997 | 2840561.26631 |
| 84 | 295796.170188 | 2840561.89907 |
| 85 | 295796.365795 | 2840562.39173 |
| 86 | 295805.426851 | 2840584.37522 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 87 | 295805.762047 | 2840584.16757 |
| 88 | 295807.155459 | 2840586.41662 |
| 89 | 295818.326687 | 2840601.31123 |
| 90 | 295819.088376 | 2840601.9931 |
| 91 | 295819.548212 | 2840602.43187 |
| 92 | 295819.979222 | 2840602.89888 |
| 93 | 295820.641791 | 2840603.75358 |
| 94 | 295821.096959 | 2840604.41136 |
| 95 | 295821.575003 | 2840604.87725 |
| 96 | 295822.04337 | 2840605.36572 |
| 97 | 295823.595169 | 2840607.09753 |
| 98 | 295825.483326 | 2840609.04937 |
| 99 | 295825.810285 | 2840609.40399 |
| 100 | 295833.122918 | 2840617.73147 |
| 101 | 295833.169528 | 2840617.78497 |
| 102 | 295833.650475 | 2840618.40438 |
| 103 | 295833.984944 | 2840618.61319 |
| 104 | 295834.998983 | 2840619.33781 |
| 105 | 295835.651174 | 2840619.91722 |
| 106 | 295836.250472 | 2840620.55136 |
| 107 | 295836.466952 | 2840620.81012 |
| 108 | 295837.687419 | 2840622.32001 |
| 109 | 295838.380889 | 2840623.09361 |
| 110 | 295838.495232 | 2840623.22349 |
| 111 | 295839.1457 | 2840624.06073 |
| 112 | 295839.599804 | 2840624.71405 |
| 113 | 295846.135383 | 2840630.8981 |
| 114 | 295848.120144 | 2840632.14422 |
| 115 | 295848.123723 | 2840632.13619 |
| 116 | 295849.550383 | 2840628.54598 |
| 117 | 295849.860932 | 2840627.71069 |
| 118 | 295850.344929 | 2840626.09814 |
| 119 | 295851.583862 | 2840621.23576 |
| 120 | 295851.9504 | 2840619.46686 |
| 121 | 295851.998796 | 2840619.14922 |
| 122 | 295852.50927 | 2840615.60629 |
| 123 | 295852.668122 | 2840614.10327 |
| 124 | 295852.882783 | 2840610.92702 |
| 125 | 295852.926018 | 2840609.27003 |
| 126 | 295852.902439 | 2840608.55917 |
| 127 | 295852.678211 | 2840604.16295 |
| 128 | 295852.493965 | 2840602.28942 |
| 129 | 295851.808905 | 2840597.60094 |
| 130 | 295851.659481 | 2840596.71702 |
| 131 | 295851.534278 | 2840596.11605 |
| 132 | 295850.404482 | 2840591.07805 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 295685.985886 | 2840437.469 |
| 2 | 295693.219929 | 2840429.36956 |
| 3 | 295739.943904 | 2840378.11192 |
| 4 | 295740.037501 | 2840378.00853 |
| 5 | 295753.558634 | 2840362.96602 |
| 6 | 295759.06826 | 2840357.45474 |
| 7 | 295761.759305 | 2840354.76296 |
| 8 | 295764.138934 | 2840352.80922 |
| 9 | 295766.757059 | 2840351.03627 |
| 10 | 295769.668561 | 2840349.52437 |
| 11 | 295771.666033 | 2840348.7294 |
| 12 | 295773.46195 | 2840348.30544 |
| 13 | 295774.696116 | 2840348.12721 |
| 14 | 295775.954569 | 2840348.08941 |
| 15 | 295778.472101 | 2840348.14245 |
| 16 | 295779.306806 | 2840348.20491 |
| 17 | 295780.801159 | 2840348.56571 |
| 18 | 295782.625395 | 2840349.0079 |
| 19 | 295783.935572 | 2840349.50843 |
| 20 | 295803.355006 | 2840314.50615 |
| 21 | 295801.608783 | 2840313.58771 |
| 22 | 295799.437214 | 2840312.60616 |
| 23 | 295795.713983 | 2840311.1836 |
| 24 | 295795.126189 | 2840310.96943 |
| 25 | 295793.286619 | 2840310.42901 |
| 26 | 295790.213405 | 2840309.68426 |
| 27 | 295787.124353 | 2840308.93736 |
| 28 | 295785.593622 | 2840308.62996 |
| 29 | 295783.911956 | 2840308.43252 |
| 30 | 295780.915038 | 2840308.20907 |
| 31 | 295779.848209 | 2840308.15792 |
| 32 | 295776.285875 | 2840308.08299 |
| 33 | 295775.556755 | 2840308.08096 |
| 34 | 295775.263795 | 2840308.08756 |
| 35 | 295772.360885 | 2840308.17478 |
| 36 | 295770.103667 | 2840308.37095 |
| 37 | 295766.870636 | 2840308.83765 |
| 38 | 295765.952465 | 2840308.99219 |
| 39 | 295765.133952 | 2840309.16722 |
| 40 | 295761.043138 | 2840310.13273 |
| 41 | 295759.762716 | 2840310.48029 |
| 42 | 295758.508059 | 2840310.91176 |
| 43 | 295758.240892 | 2840311.01582 |
| 44 | 295753.942901 | 2840312.72644 |
| 45 | 295752.121486 | 2840313.55946 |
| 46 | 295747.28743 | 2840316.06977 |
| 47 | 295746.239239 | 2840316.65462 |
| 48 | 295745.289886 | 2840317.25937 |
| 49 | 295740.943229 | 2840320.20285 |
| 50 | 295739.467064 | 2840321.30491 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 51 | 295735.615791 | 2840324.46687 |
| 52 | 295735.216197 | 2840324.80367 |
| 53 | 295734.161559 | 2840325.78514 |
| 54 | 295730.776054 | 2840329.17183 |
| 55 | 295724.891356 | 2840335.05841 |
| 56 | 295724.1613 | 2840335.8286 |
| 57 | 295710.337654 | 2840351.20754 |
| 58 | 295663.587126 | 2840402.49449 |
| 59 | 295663.451266 | 2840402.64497 |
| 60 | 295656.58693 | 2840410.35278 |
| 61 | 295652.439502 | 2840414.42786 |
| 62 | 295648.365525 | 2840418.09135 |
| 63 | 295642.802979 | 2840422.00307 |
| 64 | 295638.672459 | 2840424.54554 |
| 65 | 295636.740527 | 2840425.51362 |
| 66 | 295633.356218 | 2840427.11564 |
| 67 | 295630.789239 | 2840428.09679 |
| 68 | 295627.499853 | 2840429.22997 |
| 69 | 295622.962225 | 2840430.44775 |
| 70 | 295619.75448 | 2840431.11161 |
| 71 | 295614.676909 | 2840431.77408 |
| 72 | 295611.735252 | 2840432.02945 |
| 73 | 295607.412603 | 2840432.02995 |
| 74 | 295601.817014 | 2840431.54353 |
| 75 | 295597.159467 | 2840430.81535 |
| 76 | 295594.195737 | 2840430.18884 |
| 77 | 295590.791218 | 2840429.21774 |
| 78 | 295587.651868 | 2840428.13035 |
| 79 | 295584.942782 | 2840426.98581 |
| 80 | 295574.548177 | 2840421.68185 |
| 81 | 295558.322319 | 2840412.68381 |
| 82 | 295535.279534 | 2840399.81665 |
| 83 | 295535.137054 | 2840399.73663 |
| 84 | 295524.074006 | 2840393.58898 |
| 85 | 295515.657487 | 2840388.64622 |
| 86 | 295511.763457 | 2840386.09811 |
| 87 | 295508.524765 | 2840383.78703 |
| 88 | 295506.903053 | 2840382.48674 |
| 89 | 295504.098982 | 2840380.00254 |
| 90 | 295501.930558 | 2840377.7551 |
| 91 | 295499.848769 | 2840375.1401 |
| 92 | 295498.447136 | 2840373.007 |
| 93 | 295496.720805 | 2840369.8465 |
| 94 | 295494.5277 | 2840365.0539 |
| 95 | 295491.515561 | 2840357.07337 |
| 96 | 295486.915035 | 2840343.37422 |
| 97 | 295479.431793 | 2840320.7 |
| 98 | 295470.803456 | 2840294.5796 |
| 99 | 295470.745427 | 2840294.4065 |
| 100 | 295468.701256 | 2840288.40272 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 101 | 295468.099364 | 2840286.16662 |
| 102 | 295467.542917 | 2840283.18162 |
| 103 | 295467.275358 | 2840280.60543 |
| 104 | 295467.321169 | 2840278.11041 |
| 105 | 295467.619372 | 2840275.29101 |
| 106 | 295468.147975 | 2840273.07027 |
| 107 | 295469.084284 | 2840270.3126 |
| 108 | 295470.575955 | 2840267.19947 |
| 109 | 295472.409857 | 2840264.38172 |
| 110 | 295474.612958 | 2840261.80433 |
| 111 | 295476.418195 | 2840260.13284 |
| 112 | 295477.589165 | 2840259.27582 |
| 113 | 295476.609193 | 2840259.34084 |
| 114 | 295473.754716 | 2840259.27242 |
| 115 | 295469.438477 | 2840260.58938 |
| 116 | 295465.145316 | 2840260.96008 |
| 117 | 295461.803587 | 2840261.35359 |
| 118 | 295458.485023 | 2840260.80064 |
| 119 | 295453.727594 | 2840260.68681 |
| 120 | 295451.337297 | 2840261.10313 |
| 121 | 295447.090286 | 2840259.58111 |
| 122 | 295445.233393 | 2840257.64298 |
| 123 | 295441.983961 | 2840254.25105 |
| 124 | 295440.660652 | 2840249.95856 |
| 125 | 295442.609758 | 2840248.11145 |
| 126 | 295444.071612 | 2840246.72626 |
| 127 | 295448.45708 | 2840242.57021 |
| 128 | 295450.406278 | 2840240.7231 |
| 129 | 295454.745511 | 2840238.45997 |
| 130 | 295456.671544 | 2840237.55922 |
| 131 | 295458.666805 | 2840233.81939 |
| 132 | 295459.664395 | 2840231.94967 |
| 133 | 295460.243956 | 2840227.7026 |
| 134 | 295460.777456 | 2840225.34825 |
| 135 | 295461.725718 | 2840221.93029 |
| 136 | 295458.415498 | 2840223.86504 |
| 137 | 295458.242233 | 2840223.96757 |
| 138 | 295456.694729 | 2840224.99342 |
| 139 | 295451.859475 | 2840228.53278 |
| 140 | 295450.581972 | 2840229.55049 |
| 141 | 295450.083727 | 2840229.99654 |
| 142 | 295446.576455 | 2840233.24427 |
| 143 | 295444.961731 | 2840234.9245 |
| 144 | 295441.152925 | 2840239.38048 |
| 145 | 295440.838664 | 2840239.75723 |
| 146 | 295439.593659 | 2840241.46534 |
| 147 | 295436.336712 | 2840246.46919 |
| 148 | 295435.626053 | 2840247.64768 |
| 149 | 295435.062231 | 2840248.7375 |
| 150 | 295432.49014 | 2840254.10539 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 151 | 295431.629471 | 2840256.19782 |
| 152 | 295431.588414 | 2840256.31733 |
| 153 | 295429.966084 | 2840261.09549 |
| 154 | 295429.447437 | 2840262.89544 |
| 155 | 295428.404414 | 2840267.27791 |
| 156 | 295428.113652 | 2840268.73972 |
| 157 | 295427.971935 | 2840269.805 |
| 158 | 295427.446864 | 2840274.76814 |
| 159 | 295427.339257 | 2840276.50536 |
| 160 | 295427.255056 | 2840281.09119 |
| 161 | 295427.254085 | 2840281.76645 |
| 162 | 295427.358666 | 2840283.52411 |
| 163 | 295427.835803 | 2840288.11883 |
| 164 | 295428.067639 | 2840289.71868 |
| 165 | 295428.926822 | 2840294.32674 |
| 166 | 295429.265065 | 2840295.80476 |
| 167 | 295430.241052 | 2840299.43044 |
| 168 | 295430.620993 | 2840300.67832 |
| 169 | 295432.644157 | 2840307.20799 |
| 170 | 295441.444149 | 2840333.24262 |
| 171 | 295448.959756 | 2840356.01457 |
| 172 | 295453.709969 | 2840370.15925 |
| 173 | 295453.957755 | 2840370.8547 |
| 174 | 295457.353971 | 2840379.85224 |
| 175 | 295457.866423 | 2840381.07644 |
| 176 | 295460.638527 | 2840387.13667 |
| 177 | 295461.272878 | 2840388.40255 |
| 178 | 295463.729391 | 2840392.8995 |
| 179 | 295464.117162 | 2840393.57754 |
| 180 | 295464.567134 | 2840394.29499 |
| 181 | 295466.916513 | 2840397.8705 |
| 182 | 295467.984593 | 2840399.34495 |
| 183 | 295471.226215 | 2840403.41644 |
| 184 | 295471.751831 | 2840404.0495 |
| 185 | 295472.479183 | 2840404.84538 |
| 186 | 295475.852559 | 2840408.34204 |
| 187 | 295476.984077 | 2840409.42656 |
| 188 | 295480.742858 | 2840412.75644 |
| 189 | 295481.387171 | 2840413.30347 |
| 190 | 295481.493617 | 2840413.38933 |
| 191 | 295483.935285 | 2840415.34725 |
| 192 | 295484.830052 | 2840416.02455 |
| 193 | 295488.654781 | 2840418.89631 |
| 194 | 295489.520524 | 2840419.35134 |
| 195 | 295494.158908 | 2840422.38664 |
| 196 | 295494.982383 | 2840422.89753 |
| 197 | 295504.019251 | 2840428.20451 |
| 198 | 295504.423888 | 2840428.43584 |
| 199 | 295515.627839 | 2840434.66182 |
| 200 | 295538.672503 | 2840447.73012 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 201 | 295538.822636 | 2840447.8145 |
| 202 | 295555.585074 | 2840457.10999 |
| 203 | 295556.46938 | 2840457.57181 |
| 204 | 295567.820005 | 2840463.14514 |
| 205 | 295568.851293 | 2840463.61585 |
| 206 | 295572.692657 | 2840465.23882 |
| 207 | 295573.928559 | 2840465.71346 |
| 208 | 295578.221367 | 2840467.20033 |
| 209 | 295579.281535 | 2840467.53498 |
| 210 | 295583.890306 | 2840468.84966 |
| 211 | 295585.240011 | 2840469.18433 |
| 212 | 295589.407435 | 2840470.06535 |
| 213 | 295590.415012 | 2840470.25153 |
| 214 | 295596.314151 | 2840471.17384 |
| 215 | 295597.671809 | 2840471.33888 |
| 216 | 295604.814127 | 2840471.95953 |
| 217 | 295606.548173 | 2840472.03477 |
| 218 | 295612.604775 | 2840472.03406 |
| 219 | 295612.910711 | 2840472.03164 |
| 220 | 295614.333254 | 2840471.95901 |
| 221 | 295618.56751 | 2840471.59135 |
| 222 | 295619.42403 | 2840471.49824 |
| 223 | 295625.666879 | 2840470.6841 |
| 224 | 295626.856032 | 2840470.49239 |
| 225 | 295627.134057 | 2840470.43689 |
| 226 | 295631.639486 | 2840469.50421 |
| 227 | 295632.7693 | 2840469.23599 |
| 228 | 295638.540703 | 2840467.6872 |
| 229 | 295639.871395 | 2840467.27995 |
| 230 | 295644.132958 | 2840465.81172 |
| 231 | 295644.753269 | 2840465.58662 |
| 232 | 295648.357232 | 2840464.20923 |
| 233 | 295649.774556 | 2840463.60403 |
| 234 | 295654.058391 | 2840461.5763 |
| 235 | 295654.460869 | 2840461.38027 |
| 236 | 295657.374488 | 2840459.92023 |
| 237 | 295658.680731 | 2840459.20365 |
| 238 | 295658.899407 | 2840459.07093 |
| 239 | 295664.294121 | 2840455.75015 |
| 240 | 295665.314585 | 2840455.07822 |
| 241 | 295672.356389 | 2840450.12647 |
| 242 | 295673.942231 | 2840448.88749 |
| 243 | 295674.225573 | 2840448.63758 |
| 244 | 295679.537278 | 2840443.86076 |
| 245 | 295680.215874 | 2840443.2213 |
| 246 | 295685.121155 | 2840438.37809 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 295509.322998 | 2840206.15286 |
| 2 | 295512.200475 | 2840205.27493 |
| 3 | 295515.519137 | 2840205.82769 |
| 4 | 295518.860792 | 2840205.4343 |
| 5 | 295521.738268 | 2840204.55627 |
| 6 | 295526.541789 | 2840202.77761 |
| 7 | 295528.467832 | 2840201.87687 |
| 8 | 295531.832479 | 2840200.53712 |
| 9 | 295535.197215 | 2840199.19727 |
| 10 | 295537.633602 | 2840196.88855 |
| 11 | 295542.483201 | 2840193.21717 |
| 12 | 295545.871116 | 2840190.93116 |
| 13 | 295549.746202 | 2840188.18343 |
| 14 | 295554.572815 | 2840185.45842 |
| 15 | 295557.450209 | 2840184.5805 |
| 16 | 295558.907746 | 2840183.89884 |
| 17 | 295559.539497 | 2840180.61033 |
| 18 | 295559.646058 | 2840180.00589 |
| 19 | 295559.667604 | 2840179.86854 |
| 20 | 295561.595437 | 2840167.29842 |
| 21 | 295561.642293 | 2840166.97483 |
| 22 | 295564.378157 | 2840146.95776 |
| 23 | 295565.65686 | 2840137.41514 |
| 24 | 295570.032568 | 2840106.04638 |
| 25 | 295571.477413 | 2840097.69116 |
| 26 | 295572.781478 | 2840092.83771 |
| 27 | 295574.51649 | 2840087.74184 |
| 28 | 295575.627474 | 2840085.12888 |
| 29 | 295577.953759 | 2840080.35475 |
| 30 | 295579.166151 | 2840078.21577 |
| 31 | 295581.258804 | 2840075.09579 |
| 32 | 295583.660012 | 2840071.89643 |
| 33 | 295586.191635 | 2840068.76751 |
| 34 | 295589.205156 | 2840065.19767 |
| 35 | 295598.661124 | 2840055.37048 |
| 36 | 295598.80537 | 2840055.21897 |
| 37 | 295606.150312 | 2840047.42403 |
| 38 | 295614.101163 | 2840038.98876 |
| 39 | 295614.736205 | 2840038.28201 |
| 40 | 295621.322454 | 2840030.59362 |
| 41 | 295621.650651 | 2840030.20042 |
| 42 | 295622.451134 | 2840029.14663 |
| 43 | 295627.384734 | 2840022.18545 |
| 44 | 295627.928358 | 2840021.37756 |
| 45 | 295630.835927 | 2840016.81992 |
| 46 | 295631.346108 | 2840015.97508 |
| 47 | 295635.185265 | 2840009.2468 |
| 48 | 295635.286719 | 2840009.06696 |
| 49 | 295635.929551 | 2840007.81011 |
| 50 | 295638.857201 | 2840001.55298 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 51 | 295639.305598 | 2840000.51975 |
| 52 | 295642.682889 | 2839992.09562 |
| 53 | 295643.01623 | 2839991.20338 |
| 54 | 295643.286793 | 2839990.36333 |
| 55 | 295646.682175 | 2839978.96648 |
| 56 | 295647.114521 | 2839977.23663 |
| 57 | 295648.428689 | 2839970.76637 |
| 58 | 295648.559309 | 2839970.05822 |
| 59 | 295649.644907 | 2839963.51255 |
| 60 | 295649.839059 | 2839961.92708 |
| 61 | 295650.40448 | 2839955.03744 |
| 62 | 295650.467988 | 2839953.77725 |
| 63 | 295650.623624 | 2839945.48943 |
| 64 | 295650.624751 | 2839944.80589 |
| 65 | 295650.605237 | 2839944.17778 |
| 66 | 295650.168727 | 2839934.86049 |
| 67 | 295649.999098 | 2839933.03477 |
| 68 | 295649.145765 | 2839926.91338 |
| 69 | 295649.0421 | 2839926.25149 |
| 70 | 295646.298822 | 2839910.46088 |
| 71 | 295646.232559 | 2839910.09897 |
| 72 | 295641.536415 | 2839885.79729 |
| 73 | 295638.92474 | 2839871.84455 |
| 74 | 295636.457467 | 2839858.53664 |
| 75 | 295635.6476 | 2839851.95388 |
| 76 | 295635.20099 | 2839842.5911 |
| 77 | 295635.555256 | 2839835.51359 |
| 78 | 295636.144106 | 2839829.5706 |
| 79 | 295637.04856 | 2839824.44568 |
| 80 | 295638.775739 | 2839817.15879 |
| 81 | 295640.129802 | 2839812.82109 |
| 82 | 295641.429136 | 2839809.35758 |
| 83 | 295644.243091 | 2839802.70459 |
| 84 | 295646.582817 | 2839797.93576 |
| 85 | 295648.426856 | 2839794.67813 |
| 86 | 295650.091025 | 2839792.09183 |
| 87 | 295652.379356 | 2839788.6718 |
| 88 | 295654.665433 | 2839785.38683 |
| 89 | 295659.970663 | 2839779.09152 |
| 90 | 295668.043829 | 2839770.20448 |
| 91 | 295685.26379 | 2839751.77403 |
| 92 | 295701.113674 | 2839734.63836 |
| 93 | 295708.997423 | 2839726.22742 |
| 94 | 295709.255018 | 2839725.9525 |
| 95 | 295709.237204 | 2839725.9159 |
| 96 | 295708.48607 | 2839724.29176 |
| 97 | 295707.871928 | 2839723.27688 |
| 98 | 295707.053164 | 2839721.92384 |
| 99 | 295706.165036 | 2839719.69044 |
| 100 | 295704.80131 | 2839718.20268 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 103 | 295703.094415 | 2839714.61614 |
| 104 | 295702.82052 | 2839713.39762 |
| 105 | 295702.204737 | 2839711.23157 |
| 106 | 295702.407992 | 2839710.41867 |
| 107 | 295702.337261 | 2839708.38724 |
| 108 | 295702.19872 | 2839706.62691 |
| 109 | 295702.537327 | 2839705.27201 |
| 110 | 295702.943746 | 2839703.64619 |
| 111 | 295703.350076 | 2839702.02039 |
| 112 | 295703.553331 | 2839701.20748 |
| 113 | 295704.095193 | 2839699.03967 |
| 114 | 295704.569335 | 2839697.14295 |
| 115 | 295704.907944 | 2839695.76815 |
| 116 | 295705.246551 | 2839694.43324 |
| 117 | 295705.58525 | 2839693.07843 |
| 118 | 295706.128573 | 2839692.06188 |
| 119 | 295707.079866 | 2839690.57069 |
| 120 | 295708.031157 | 2839689.07939 |
| 121 | 295708.50676 | 2839688.33395 |
| 122 | 295709.254888 | 2839687.65566 |
| 123 | 295711.158934 | 2839685.82454 |
| 124 | 295712.314851 | 2839684.6716 |
| 125 | 295713.470769 | 2839683.51867 |
| 126 | 295714.423611 | 2839683.17864 |
| 127 | 295715.511897 | 2839682.29671 |
| 128 | 295716.39538 | 2839681.07652 |
| 129 | 295717.278953 | 2839679.85633 |
| 130 | 295718.707308 | 2839678.77075 |
| 131 | 295719.795596 | 2839677.88892 |
| 132 | 295720.611445 | 2839676.93953 |
| 133 | 295721.427207 | 2839675.99034 |
| 134 | 295723.12809 | 2839674.97213 |
| 135 | 295724.216287 | 2839674.0902 |
| 136 | 295725.236852 | 2839673.47917 |
| 137 | 295726.80229 | 2839673.00286 |
| 138 | 295728.02739 | 2839672.73019 |
| 139 | 295729.457383 | 2839672.79578 |
| 140 | 295730.682663 | 2839672.52311 |
| 141 | 295731.295259 | 2839672.38683 |
| 142 | 295732.792886 | 2839672.18152 |
| 143 | 295733.678007 | 2839672.11249 |
| 144 | 295735.788227 | 2839671.7707 |
| 145 | 295736.877973 | 2839672.04004 |
| 146 | 295737.695372 | 2839672.24201 |
| 147 | 295739.057462 | 2839672.57851 |
| 148 | 295739.874861 | 2839672.78048 |
| 149 | 295742.122073 | 2839673.04805 |
| 150 | 295743.484254 | 2839673.38465 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 152 | 295745.799279 | 2839673.38122 |
| 153 | 295746.479596 | 2839672.97393 |
| 154 | 295747.7726 | 2839672.43036 |
| 155 | 295748.793077 | 2839671.81944 |
| 156 | 295749.681275 | 2839670.93741 |
| 157 | 295751.106465 | 2839670.66474 |
| 158 | 295752.331747 | 2839670.39218 |
| 159 | 295753.624748 | 2839669.84841 |
| 160 | 295756.415288 | 2839669.09944 |
| 161 | 295758.253164 | 2839668.69039 |
| 162 | 295759.478356 | 2839668.41782 |
| 163 | 295760.703637 | 2839668.14515 |
| 164 | 295761.928826 | 2839667.87239 |
| 165 | 295763.154018 | 2839667.59983 |
| 166 | 295764.651732 | 2839667.39432 |
| 167 | 295767.306828 | 2839667.18735 |
| 168 | 295768.669099 | 2839667.52395 |
| 169 | 295770.099003 | 2839667.58954 |
| 170 | 295773.299059 | 2839667.51709 |
| 171 | 295774.456437 | 2839667.51543 |
| 172 | 295776.158867 | 2839667.64839 |
| 173 | 295778.338354 | 2839668.18687 |
| 174 | 295780.653379 | 2839668.18344 |
| 175 | 295782.628244 | 2839668.38366 |
| 176 | 295785.010903 | 2839668.10933 |
| 177 | 295787.258206 | 2839668.37701 |
| 178 | 295788.620385 | 2839668.71351 |
| 179 | 295790.322723 | 2839668.84637 |
| 180 | 295793.114896 | 2839669.24857 |
| 181 | 295796.45185 | 2839669.76539 |
| 182 | 295798.358993 | 2839670.2567 |
| 183 | 295799.176301 | 2839670.45868 |
| 184 | 295801.288062 | 2839671.26807 |
| 185 | 295802.064524 | 2839672.27886 |
| 186 | 295808.61626 | 2839670.06614 |
| 187 | 295809.345776 | 2839669.804 |
| 188 | 295809.927629 | 2839669.57143 |
| 189 | 295816.614126 | 2839666.77786 |
| 190 | 295817.700371 | 2839666.28531 |
| 191 | 295823.476214 | 2839663.45663 |
| 192 | 295824.343802 | 2839663.00511 |
| 193 | 295828.574704 | 2839660.67015 |
| 194 | 295829.175953 | 2839660.32458 |
| 195 | 295829.388381 | 2839660.19565 |
| 196 | 295835.835235 | 2839656.23067 |
| 197 | 295837.012394 | 2839655.44804 |
| 198 | 295842.677603 | 2839651.38577 |
| 199 | 295843.696905 | 2839650.60416 |
| 200 | 295847.96924 | 2839647.10443 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 203 | 295858.714192 | 2839637.06771 |
| 204 | 295859.551055 | 2839636.2331 |
| 205 | 295871.183866 | 2839623.92521 |
| 206 | 295880.194663 | 2839614.38633 |
| 207 | 295880.309115 | 2839614.26429 |
| 208 | 295890.383551 | 2839603.41916 |
| 209 | 295894.817217 | 2839599.0734 |
| 210 | 295898.332892 | 2839595.9663 |
| 211 | 295901.699675 | 2839593.22591 |
| 212 | 295905.607737 | 2839590.40973 |
| 213 | 295910.999852 | 2839586.85704 |
| 214 | 295916.294933 | 2839583.87186 |
| 215 | 295919.698282 | 2839582.21713 |
| 216 | 295925.927686 | 2839579.66035 |
| 217 | 295931.420684 | 2839577.74041 |
| 218 | 295936.823454 | 2839576.23741 |
| 219 | 295941.690758 | 2839575.06492 |
| 220 | 295947.342205 | 2839574.30451 |
| 221 | 295956.799121 | 2839573.47155 |
| 222 | 296011.10786 | 2839571.64841 |
| 223 | 296011.480984 | 2839571.63241 |
| 224 | 296025.26463 | 2839570.912 |
| 225 | 296026.901255 | 2839570.7588 |
| 226 | 296033.697739 | 2839569.83952 |
| 227 | 296034.792158 | 2839569.66057 |
| 228 | 296035.903781 | 2839569.41389 |
| 229 | 296043.255828 | 2839567.56141 |
| 230 | 296045.497823 | 2839566.85401 |
| 231 | 296045.809619 | 2839566.73203 |
| 232 | 296051.647612 | 2839564.39249 |
| 233 | 296053.087749 | 2839563.74813 |
| 234 | 296054.472709 | 2839562.99242 |
| 235 | 296054.690151 | 2839562.86043 |
| 236 | 296059.557999 | 2839559.86473 |
| 237 | 296060.009702 | 2839559.57847 |
| 238 | 296063.138507 | 2839557.53566 |
| 239 | 296064.243803 | 2839556.75943 |
| 240 | 296065.325527 | 2839555.88331 |
| 241 | 296069.979295 | 2839551.82124 |
| 242 | 296071.041807 | 2839550.82324 |
| 243 | 296072.028751 | 2839549.75057 |
| 244 | 296075.65947 | 2839545.50401 |
| 245 | 296075.974652 | 2839545.12617 |
| 246 | 296077.017214 | 2839543.7231 |
| 247 | 296077.611391 | 2839542.8458 |
| 248 | 296067.863304 | 2839537.63652 |
| 249 | 296065.949863 | 2839537.61987 |
| 250 | 296064.971314 | 2839537.56336 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 252 | 296043.496062 | 2839535.27987 |
| 253 | 296042.717952 | 2839535.1839 |
| 254 | 296040.731876 | 2839534.85437 |
| 255 | 296039.698666 | 2839534.62619 |
| 256 | 296025.226798 | 2839530.61649 |
| 257 | 296022.354811 | 2839531.00482 |
| 258 | 296009.578255 | 2839531.67278 |
| 259 | 295954.913864 | 2839533.50767 |
| 260 | 295953.829628 | 2839533.57366 |
| 261 | 295943.3754 | 2839534.49459 |
| 262 | 295942.463311 | 2839534.596 |
| 263 | 295935.33776 | 2839535.55477 |
| 264 | 295934.229369 | 2839535.73563 |
| 265 | 295933.320553 | 2839535.93246 |
| 266 | 295927.113015 | 2839537.4278 |
| 267 | 295926.436257 | 2839537.60333 |
| 268 | 295920.072905 | 2839539.37362 |
| 269 | 295918.834755 | 2839539.76186 |
| 270 | 295912.227254 | 2839542.07114 |
| 271 | 295911.697269 | 2839542.26474 |
| 272 | 295911.23172 | 2839542.44918 |
| 273 | 295903.923766 | 2839545.44866 |
| 274 | 295902.77265 | 2839545.96402 |
| 275 | 295898.256505 | 2839548.15974 |
| 276 | 295897.179129 | 2839548.72469 |
| 277 | 295890.750539 | 2839552.34893 |
| 278 | 295890.307606 | 2839552.60627 |
| 279 | 295889.56908 | 2839553.07005 |
| 280 | 295883.248952 | 2839557.23394 |
| 281 | 295882.560001 | 2839557.70891 |
| 282 | 295877.835392 | 2839561.11344 |
| 283 | 295876.90275 | 2839561.82814 |
| 284 | 295872.765355 | 2839565.19554 |
| 285 | 295872.300622 | 2839565.58565 |
| 286 | 295872.146093 | 2839565.72096 |
| 287 | 295867.939306 | 2839569.43871 |
| 288 | 295867.183691 | 2839570.14202 |
| 289 | 295862.046757 | 2839575.17703 |
| 290 | 295861.39334 | 2839575.84827 |
| 291 | 295851.054407 | 2839586.97811 |
| 292 | 295842.106615 | 2839596.45017 |
| 293 | 295830.883763 | 2839608.32438 |
| 294 | 295822.091651 | 2839616.58906 |
| 295 | 295818.843067 | 2839619.25012 |
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| 297 | 295808.832814 | 2839625.87284 |
| 298 | 295805.442391 | 2839627.74405 |
| 299 | 295800.639951 | 2839630.09608 |
| 300 | 295795.151913 | 2839632.38899 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 303 | 295755.325898 | 2839644.47378 |
| 304 | 295746.948472 | 2839647.32458 |
| 305 | 295746.2628 | 2839647.57181 |
| 306 | 295745.611671 | 2839647.83355 |
| 307 | 295739.436392 | 2839650.44091 |
| 308 | 295738.394323 | 2839650.91654 |
| 309 | 295732.297287 | 2839653.91304 |
| 310 | 295731.192354 | 2839654.49965 |
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| 312 | 295724.296017 | 2839658.44698 |
| 313 | 295723.617051 | 2839658.87169 |
| 314 | 295717.864239 | 2839662.63261 |
| 315 | 295716.987666 | 2839663.23963 |
| 316 | 295712.502906 | 2839666.52564 |
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| 318 | 295707.414611 | 2839670.59523 |
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| 323 | 295694.480516 | 2839683.11375 |
| 324 | 295694.063514 | 2839683.55316 |
| 325 | 295688.446317 | 2839689.65176 |
| 326 | 295679.807064 | 2839698.87265 |
| 327 | 295671.881638 | 2839707.3279 |
| 328 | 295671.79128 | 2839707.42496 |
| 329 | 295655.966363 | 2839724.53397 |
| 330 | 295638.716271 | 2839742.99611 |
| 331 | 295638.526173 | 2839743.20253 |
| 332 | 295630.109757 | 2839752.46767 |
| 333 | 295629.6201 | 2839753.02729 |
| 334 | 295623.480068 | 2839760.31306 |
| 335 | 295623.256629 | 2839760.58307 |
| 336 | 295622.357583 | 2839761.777 |
| 337 | 295619.439374 | 2839765.97018 |
| 338 | 295619.232786 | 2839766.27291 |
| 339 | 295616.740965 | 2839769.99713 |
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| 342 | 295613.892565 | 2839774.47723 |
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| 344 | 295611.410656 | 2839778.8627 |
| 345 | 295610.927675 | 2839779.78535 |
| 346 | 295608.081728 | 2839785.58591 |
| 347 | 295607.616756 | 2839786.60474 |
| 348 | 295604.423484 | 2839794.15488 |
| 349 | 295604.117822 | 2839794.92103 |
| 350 | 295602.476337 | 2839799.29675 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 354 | 295600.010753 | 2839807.25223 |
| 355 | 295597.988554 | 2839815.78405 |
| 356 | 295597.753633 | 2839816.92122 |
| 357 | 295596.616272 | 2839823.36594 |
| 358 | 295596.564635 | 2839823.67247 |
| 359 | 295596.4094 | 2839824.8701 |
| 360 | 295595.697692 | 2839832.05357 |
| 361 | 295595.625319 | 2839833.0252 |
| 362 | 295595.197532 | 2839841.56735 |
| 363 | 295595.174869 | 2839842.87564 |
| 364 | 295595.195189 | 2839843.52078 |
| 365 | 295595.723997 | 2839854.60679 |
| 366 | 295595.850969 | 2839856.09584 |
| 367 | 295596.826463 | 2839864.02564 |
| 368 | 295597.011998 | 2839865.22977 |
| 369 | 295599.594253 | 2839879.15755 |
| 370 | 295602.234699 | 2839893.2634 |
| 371 | 295606.916809 | 2839917.49364 |
| 372 | 295609.570657 | 2839932.76971 |
| 373 | 295610.250905 | 2839937.6496 |
| 374 | 295610.613731 | 2839945.39402 |
| 375 | 295610.4822 | 2839952.39506 |
| 376 | 295610.03595 | 2839957.83181 |
| 377 | 295609.152678 | 2839963.1577 |
| 378 | 295608.087851 | 2839968.39989 |
| 379 | 295605.209471 | 2839978.06161 |
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| 381 | 295600.037776 | 2839990.1241 |
| 382 | 295596.844553 | 2839995.72025 |
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| 388 | 295559.926759 | 2840037.92926 |
| 389 | 295559.055306 | 2840038.89586 |
| 390 | 295555.486113 | 2840043.1243 |
| 391 | 295555.236615 | 2840043.4259 |
| 392 | 295552.331251 | 2840047.0165 |
| 393 | 295551.883651 | 2840047.59082 |
| 394 | 295548.945 | 2840051.5063 |
| 395 | 295548.331091 | 2840052.37108 |
| 396 | 295545.52385 | 2840056.55639 |
| 397 | 295544.733713 | 2840057.83575 |
| 398 | 295542.843604 | 2840061.17045 |
| 399 | 295542.770821 | 2840061.30002 |
| 400 | 295542.264219 | 2840062.27127 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
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| 402 | 295539.013564 | 2840069.00247 |
| 403 | 295537.411984 | 2840072.76931 |
| 404 | 295536.902565 | 2840074.09696 |
| 405 | 295534.70011 | 2840080.56527 |
| 406 | 295534.317838 | 2840081.8216 |
| 407 | 295532.606091 | 2840088.19227 |
| 408 | 295532.213492 | 2840089.97414 |
| 409 | 295530.557622 | 2840099.54978 |
| 410 | 295530.517771 | 2840099.78866 |
| 411 | 295530.456834 | 2840100.19479 |
| 412 | 295526.021118 | 2840131.9949 |
| 413 | 295524.734158 | 2840141.59775 |
| 414 | 295522.028137 | 2840161.39682 |
| 415 | 295520.182405 | 2840173.43163 |
| 416 | 295519.269564 | 2840178.1827 |
| 417 | 295518.300383 | 2840181.79749 |
| 418 | 295516.942913 | 2840185.76765 |
| 419 | 295515.57557 | 2840188.64556 |
| 420 | 295514.273374 | 2840191.22063 |
| 421 | 295513.181084 | 2840192.91761 |
| 422 | 295510.936113 | 2840195.60924 |
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| 424 | 295509.207387 | 2840197.75818 |
| 425 | 295507.21167 | 2840199.67606 |
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| 427 | 295502.742426 | 2840203.1388 |
| 428 | 295501.988079 | 2840203.61012 |
| 429 | 295502.244572 | 2840203.61623 |
| 430 | 295506.491593 | 2840205.13827 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 1 | 295998.792278 | 2839339.39128 |
| 2 | 296001.54983 | 2839339.03541 |
| 3 | 296003.045106 | 2839339.02728 |
| 4 | 296004.882418 | 2839338.78988 |
| 5 | 296006.485112 | 2839338.21338 |
| 6 | 296008.087176 | 2839337.63709 |
| 7 | 296009.239056 | 2839337.85786 |
| 8 | 296010.840131 | 2839337.28178 |
| 9 | 296012.098894 | 2839336.93469 |
| 10 | 296013.410831 | 2839336.30386 |
| 11 | 296015.457517 | 2839334.93289 |
| 12 | 296017.002181 | 2839334.64149 |
| 13 | 296017.683663 | 2839334.18487 |
| 14 | 296020.823654 | 2839333.31948 |
| 15 | 296022.026272 | 2839333.25666 |
| 16 | 296023.961397 | 2839332.45472 |
| 17 | 296026.756913 | 2839331.81855 |
| 18 | 296027.436063 | 2839331.36296 |
| 19 | 296028.402098 | 2839330.96247 |
| 20 | 296030.724371 | 2839329.65184 |
| 21 | 296033.905329 | 2839328.50759 |
| 22 | 296035.701113 | 2839326.80734 |
| 23 | 296036.81874 | 2839325.56265 |
| 24 | 296038.11929 | 2839324.93708 |
| 25 | 296039.081562 | 2839324.53854 |
| 26 | 296041.005209 | 2839323.74186 |
| 27 | 296042.170578 | 2839322.21841 |
| 28 | 296042.260001 | 2839322.17189 |
| 29 | 296037.476581 | 2839321.83262 |
| 30 | 296037.093452 | 2839321.8092 |
| 31 | 296025.285053 | 2839321.19907 |
| 32 | 296023.914105 | 2839321.17529 |
| 33 | 296018.493012 | 2839321.27541 |
| 34 | 296017.310353 | 2839321.33235 |
| 35 | 296013.236356 | 2839321.64975 |
| 36 | 296011.576383 | 2839321.84895 |
| 37 | 296006.014838 | 2839322.75404 |
| 38 | 296005.452155 | 2839322.85407 |
| 39 | 296003.679504 | 2839323.27921 |
| 40 | 295998.780504 | 2839324.69362 |
| 41 | 295997.199655 | 2839325.22235 |
| 42 | 295996.616705 | 2839325.45522 |
| 43 | 295992.37737 | 2839327.22671 |
| 44 | 295991.121323 | 2839327.80347 |
| 45 | 295989.908131 | 2839328.46546 |
| 46 | 295986.368829 | 2839330.55844 |
| 47 | 295984.853607 | 2839331.55513 |
| 48 | 295980.717658 | 2839334.55295 |
| 49 | 295979.365537 | 2839335.62506 |
| 50 | 295978.548714 | 2839336.37255 |
| 51 | 295975.600389 | 2839339.22507 |
| 52 | 295973.966667 | 2839341.00904 |
| 53 | 295971.338139 | 2839344.26562 |
| 54 | 295970.121862 | 2839345.94332 |
| 55 | 295966.918122 | 2839350.88231 |
| 56 | 295966.225104 | 2839352.03388 |
| 57 | 295965.669503 | 2839353.10601 |
| 58 | 295964.00954 | 2839356.56156 |
| 59 | 295963.161597 | 2839358.61039 |
| 60 | 295961.359852 | 2839363.75374 |
| 61 | 295960.936989 | 2839365.12358 |
| 62 | 295960.61945 | 2839366.48832 |
| 63 | 295959.730837 | 2839371.02132 |
| 64 | 295959.610193 | 2839371.69852 |
| 65 | 295959.381923 | 2839373.87655 |
| 66 | 295959.104097 | 2839379.47092 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 67 | 295959.081802 | 2839380.77064 |
| 68 | 295959.154325 | 2839382.19266 |
| 69 | 295959.59542 | 2839387.27504 |
| 70 | 295959.88003 | 2839389.32131 |
| 71 | 295959.987485 | 2839389.84284 |
| 72 | 295961.007253 | 2839394.47894 |
| 73 | 295961.505954 | 2839396.32203 |
| 74 | 295962.923953 | 2839400.71843 |
| 75 | 295963.271974 | 2839401.70741 |
| 76 | 295963.994156 | 2839403.37058 |
| 77 | 295965.791754 | 2839407.04375 |
| 78 | 295966.550524 | 2839408.44895 |
| 79 | 295968.619625 | 2839411.94046 |
| 80 | 295969.55026 | 2839413.36265 |
| 81 | 295971.111914 | 2839415.54098 |
| 82 | 295971.895867 | 2839416.56322 |
| 83 | 295974.931123 | 2839420.2681 |
| 84 | 295975.280253 | 2839420.68287 |
| 85 | 295975.517497 | 2839420.95187 |
| 86 | 295979.423518 | 2839425.30406 |
| 87 | 295980.449218 | 2839426.36534 |
| 88 | 295993.0592 | 2839438.48484 |
| 89 | 295993.213094 | 2839438.63125 |
| 90 | 296029.927238 | 2839473.17503 |
| 91 | 296041.217498 | 2839484.35937 |
| 92 | 296043.182032 | 2839486.66664 |
| 93 | 296045.105963 | 2839489.25874 |
| 94 | 296046.549571 | 2839491.43828 |
| 95 | 296047.508396 | 2839493.39717 |
| 96 | 296048.277304 | 2839495.26321 |
| 97 | 296049.279571 | 2839498.50964 |
| 98 | 296049.828452 | 2839501.40956 |
| 99 | 296050.03372 | 2839504.81213 |
| 100 | 296049.697129 | 2839508.40569 |
| 101 | 296048.923237 | 2839511.83556 |
| 102 | 296047.621585 | 2839515.17488 |
| 103 | 296047.418702 | 2839515.56674 |
| 104 | 296066.612958 | 2839517.62249 |
| 105 | 296068.306358 | 2839517.63714 |
| 106 | 296070.495397 | 2839517.65623 |
| 107 | 296071.247008 | 2839517.69102 |
| 108 | 296071.993797 | 2839517.78229 |
| 109 | 296072.848458 | 2839517.958 |
| 110 | 296073.684473 | 2839518.20755 |
| 111 | 296074.415741 | 2839518.49378 |
| 112 | 296075.122316 | 2839518.83639 |
| 113 | 296086.715564 | 2839525.03179 |
| 114 | 296086.741199 | 2839524.96613 |
| 115 | 296087.003553 | 2839524.25347 |
| 116 | 296087.616489 | 2839522.10422 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
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| 118 | 296089.241458 | 2839514.72341 |
| 119 | 296089.407196 | 2839513.41841 |
| 120 | 296090.007378 | 2839507.01041 |
| 121 | 296090.092233 | 2839504.83777 |
| 122 | 296090.058322 | 2839503.94122 |
| 123 | 296089.684078 | 2839497.73354 |
| 124 | 296089.567578 | 2839496.46984 |
| 125 | 296089.371212 | 2839495.21624 |
| 126 | 296088.371404 | 2839489.93597 |
| 127 | 296087.835733 | 2839487.78383 |
| 128 | 296086.231736 | 2839482.58817 |
| 129 | 296085.808151 | 2839481.35938 |
| 130 | 296085.61338 | 2839480.8683 |
| 131 | 296084.25091 | 2839477.56143 |
| 132 | 296083.722501 | 2839476.38787 |
| 133 | 296081.909197 | 2839472.68324 |
| 134 | 296081.110488 | 2839471.21108 |
| 135 | 296080.619655 | 2839470.43176 |
| 136 | 296078.162116 | 2839466.72128 |
| 137 | 296077.547598 | 2839465.84531 |
| 138 | 296074.907164 | 2839462.28772 |
| 139 | 296074.075357 | 2839461.24218 |
| 140 | 296071.126485 | 2839457.77852 |
| 141 | 296071.019994 | 2839457.65459 |
| 142 | 296069.973451 | 2839456.53522 |
| 143 | 296057.897216 | 2839444.57239 |
| 144 | 296057.526932 | 2839444.21494 |
| 145 | 296020.704749 | 2839409.56961 |
| 146 | 296008.70246 | 2839398.03409 |
| 147 | 296005.591208 | 2839394.56735 |
| 148 | 296003.249326 | 2839391.70882 |
| 149 | 296002.570951 | 2839390.76268 |
| 150 | 296001.373354 | 2839388.74189 |
| 151 | 296000.557079 | 2839387.0738 |
| 152 | 296000.214816 | 2839386.01258 |
| 153 | 295999.017488 | 2839385.40834 |
| 154 | 295998.197751 | 2839384.94918 |
| 155 | 295996.558457 | 2839384.03086 |
| 156 | 295994.628207 | 2839383.05692 |
| 157 | 295993.51751 | 2839382.54194 |
| 158 | 295992.990184 | 2839382.13908 |
| 159 | 295991.005166 | 2839381.45677 |
| 160 | 295988.78505 | 2839380.42769 |
| 161 | 295985.164736 | 2839378.82879 |
| 162 | 295984.403316 | 2839378.07984 |
| 163 | 295981.602651 | 2839376.9402 |
| 164 | 295980.607503 | 2839375.84546 |
| 165 | 295979.669503 | 2839374.46125 |
| 166 | 295979.023199 | 2839373.13375 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
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| 168 | 295977.788769 | 2839370.19164 |
| 169 | 295977.200649 | 2839368.57744 |
| 170 | 295976.78974 | 2839367.59839 |
| 171 | 295976.436085 | 2839366.33086 |
| 172 | 295975.50161 | 2839364.95278 |
| 173 | 295975.438938 | 2839363.74257 |
| 174 | 295975.199922 | 2839361.90077 |
| 175 | 295975.25126 | 2839360.1164 |
| 176 | 295975.421965 | 2839359.25268 |
| 177 | 295975.126291 | 2839357.70285 |
| 178 | 295975.410561 | 2839356.26538 |
| 179 | 295975.751491 | 2839354.54183 |
| 180 | 295976.614458 | 2839353.21784 |
| 181 | 295977.13083 | 2839352.12608 |
| 182 | 295978.2256 | 2839351.14592 |
| 183 | 295979.263186 | 2839350.45293 |
| 184 | 295980.469388 | 2839348.90135 |
| 185 | 295981.562023 | 2839347.92331 |
| 186 | 295982.710155 | 2839346.65991 |
| 187 | 295983.801275 | 2839345.68319 |
| 188 | 295984.835828 | 2839344.99265 |
| 189 | 295985.9257 | 2839344.01694 |
| 190 | 295987.592337 | 2839343.15246 |
| 191 | 295988.225317 | 2839342.97801 |
| 192 | 295989.546507 | 2839342.34404 |
| 193 | 295990.578556 | 2839341.65503 |
| 194 | 295991.49951 | 2839341.53605 |
| 195 | 295993.739589 | 2839340.78383 |
| 196 | 295994.948336 | 2839340.72022 |
| 197 | 295996.156813 | 2839340.6567 |
| 198 | 295997.872765 | 2839339.51005 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 296182.510288 | 2839373.48516 |
| 2 | 296185.083934 | 2839373.24615 |
| 3 | 296187.911539 | 2839373.26502 |
| 4 | 296192.024324 | 2839373.29267 |
| 5 | 296194.599907 | 2839372.79743 |
| 6 | 296196.142066 | 2839372.80783 |
| 7 | 296197.170173 | 2839372.81477 |
| 8 | 296198.198367 | 2839372.82161 |
| 9 | 296199.478764 | 2839373.34257 |
| 10 | 296201.533035 | 2839373.61239 |
| 11 | 296202.816094 | 2839373.8773 |
| 12 | 296205.378608 | 2839374.91949 |
| 13 | 296206.917254 | 2839375.44247 |
| 14 | 296207.941941 | 2839375.96217 |
| 15 | 296209.481131 | 2839376.48524 |
| 16 | 296211.277756 | 2839377.01023 |
| 17 | 296213.587406 | 2839377.79532 |
| 18 | 296214.61318 | 2839378.31531 |
| 19 | 296215.638867 | 2839378.83549 |
| 20 | 296216.661778 | 2839379.86913 |
| 21 | 296217.427531 | 2839380.90134 |
| 22 | 296217.934654 | 2839382.18924 |
| 23 | 296218.081889 | 2839383.02595 |
| 24 | 296231.598695 | 2839377.94897 |
| 25 | 296233.055897 | 2839377.33059 |
| 26 | 296240.319128 | 2839373.90229 |
| 27 | 296241.935606 | 2839373.04678 |
| 28 | 296248.425516 | 2839369.22268 |
| 29 | 296248.536857 | 2839369.15659 |
| 30 | 296249.992069 | 2839368.19783 |
| 31 | 296254.387301 | 2839365.01943 |
| 32 | 296255.757126 | 2839363.93462 |
| 33 | 296255.975373 | 2839363.74293 |
| 34 | 296260.272725 | 2839359.91262 |
| 35 | 296261.657024 | 2839358.55264 |
| 36 | 296265.222259 | 2839354.69281 |
| 37 | 296266.046988 | 2839353.74153 |
| 38 | 296266.164952 | 2839353.59492 |
| 39 | 296269.74353 | 2839349.10947 |
| 40 | 296270.175307 | 2839348.54808 |
| 41 | 296274.028374 | 2839343.35098 |
| 42 | 296274.441109 | 2839342.77294 |
| 43 | 296281.849992 | 2839332.00045 |
| 44 | 296282.061314 | 2839331.68699 |
| 45 | 296290.346771 | 2839319.1382 |
| 46 | 296301.122358 | 2839302.94181 |
| 47 | 296307.912971 | 2839293.3589 |
| 48 | 296310.508687 | 2839289.99478 |
| 49 | 296313.022859 | 2839287.2085 |
| 50 | 296315.34791 | 2839285.0878 |
| 51 | 296318.100484 | 2839283.1172 |
| 52 | 296320.519483 | 2839281.72163 |
| 53 | 296323.105708 | 2839280.62345 |
| 54 | 296326.414056 | 2839279.54469 |
| 55 | 296329.936952 | 2839278.62746 |
| 56 | 296334.63527 | 2839277.63481 |
| 57 | 296343.561907 | 2839276.22163 |
| 58 | 296356.249777 | 2839274.47913 |
| 59 | 296360.000673 | 2839274.12354 |
| 60 | 296365.204067 | 2839273.84413 |
| 61 | 296368.456435 | 2839273.92041 |
| 62 | 296371.307989 | 2839274.25714 |
| 63 | 296373.111854 | 2839274.71798 |
| 64 | 296375.222251 | 2839275.48442 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 67 | 296379.88986 | 2839278.33136 |
| 68 | 296381.192924 | 2839279.54706 |
| 69 | 296382.508853 | 2839280.95978 |
| 70 | 296384.02297 | 2839282.8161 |
| 71 | 296385.512322 | 2839284.91864 |
| 72 | 296388.419039 | 2839289.9069 |
| 73 | 296404.104668 | 2839321.04288 |
| 74 | 296404.161197 | 2839321.15412 |
| 75 | 296410.086456 | 2839332.73543 |
| 76 | 296410.433654 | 2839333.38432 |
| 77 | 296412.863017 | 2839337.73027 |
| 78 | 296413.155639 | 2839338.2363 |
| 79 | 296413.523174 | 2839338.82729 |
| 80 | 296416.070154 | 2839342.76844 |
| 81 | 296417.254961 | 2839344.41277 |
| 82 | 296419.696531 | 2839347.46492 |
| 83 | 296420.013296 | 2839347.84824 |
| 84 | 296422.150204 | 2839350.38591 |
| 85 | 296422.32651 | 2839350.59237 |
| 86 | 296423.781792 | 2839352.1054 |
| 87 | 296426.591351 | 2839354.73499 |
| 88 | 296426.974418 | 2839355.08438 |
| 89 | 296429.017513 | 2839356.89941 |
| 90 | 296429.681974 | 2839357.46442 |
| 91 | 296430.958924 | 2839358.42093 |
| 92 | 296433.151966 | 2839359.93102 |
| 93 | 296434.65791 | 2839360.87236 |
| 94 | 296437.615697 | 2839362.54303 |
| 95 | 296437.719189 | 2839362.60113 |
| 96 | 296438.706303 | 2839363.11555 |
| 97 | 296442.725251 | 2839365.07009 |
| 98 | 296444.778728 | 2839365.9308 |
| 99 | 296448.825507 | 2839367.36792 |
| 100 | 296448.967258 | 2839367.41777 |
| 101 | 296451.340213 | 2839368.07975 |
| 102 | 296455.293734 | 2839368.92458 |
| 103 | 296456.301951 | 2839369.11301 |
| 104 | 296457.713962 | 2839369.28858 |
| 105 | 296462.086658 | 2839369.67456 |
| 106 | 296464.152385 | 2839369.74962 |
| 107 | 296464.454124 | 2839369.7429 |
| 108 | 296469.9372 | 2839369.57593 |
| 109 | 296472.358029 | 2839369.35457 |
| 110 | 296477.802066 | 2839368.52043 |
| 111 | 296478.547835 | 2839368.39171 |
| 112 | 296480.638672 | 2839367.87186 |
| 113 | 296485.987254 | 2839366.23112 |
| 114 | 296487.250019 | 2839365.79711 |
| 115 | 296487.603208 | 2839365.65866 |
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| 117 | 296493.870664 | 2839363.07966 |
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| 119 | 296500.603534 | 2839359.77015 |
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| 121 | 296546.481184 | 2839334.34653 |
| 122 | 296550.764614 | 2839332.49622 |
| 123 | 296553.944257 | 2839331.40554 |
| 124 | 296557.167669 | 2839330.67203 |
| 125 | 296558.159659 | 2839330.50287 |
| 126 | 296561.696263 | 2839330.3273 |
| 127 | 296563.606292 | 2839330.37328 |
| 128 | 296565.869354 | 2839330.68918 |
| 129 | 296567.97925 | 2839331.17683 |
| 130 | 296571.324359 | 2839332.15529 |
| 131 | 296572.565838 | 2839332.70139 |
| 132 | 296575.402362 | 2839334.31036 |
| 133 | 296577.869662 | 2839336.0076 |
| 134 | 296579.404134 | 2839337.34375 |
| 135 | 296581.385516 | 2839339.46498 |
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| 137 | 296585.356455 | 2839344.71281 |
| 138 | 296586.718885 | 2839346.81044 |
| 139 | 296593.05222 | 2839357.64993 |
| 140 | 296602.551884 | 2839374.7786 |
| 141 | 296603.17386 | 2839373.50239 |
| 142 | 296603.435814 | 2839372.02472 |
| 143 | 296603.990643 | 2839370.60435 |
| 144 | 296604.356495 | 2839368.53924 |
| 145 | 296604.617607 | 2839367.06557 |
| 146 | 296604.826255 | 2839365.88737 |
| 147 | 296605.139161 | 2839364.12162 |
| 148 | 296605.295442 | 2839363.2393 |
| 149 | 296604.678317 | 2839361.60141 |
| 150 | 296603.236494 | 2839359.5033 |
| 151 | 296602.223911 | 2839358.39892 |
| 152 | 296601.504013 | 2839357.35114 |
| 153 | 296600.784481 | 2839356.30376 |
| 154 | 296599.825421 | 2839354.90618 |
| 155 | 296598.575233 | 2839353.45736 |
| 156 | 296597.273092 | 2839352.30002 |
| 157 | 296596.024372 | 2839350.85077 |
| 158 | 296593.953868 | 2839348.94287 |
| 159 | 296593.184493 | 2839348.19112 |
| 160 | 296591.885188 | 2839347.03623 |
| 161 | 296590.824959 | 2839346.22944 |
| 162 | 296590.056501 | 2839345.47858 |
| 163 | 296589.341388 | 2839344.43671 |
| 164 | 296588.388487 | 2839343.0483 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 165 | 296587.329721 | 2839342.24269 |
| 166 | 296586.562367 | 2839341.49321 |
| 167 | 296585.610938 | 2839340.10658 |
| 168 | 296583.787014 | 2839338.55344 |
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| 170 | 296582.308591 | 2839336.76671 |
| 171 | 296579.377308 | 2839334.70268 |
| 172 | 296576.975678 | 2839333.0414 |
| 173 | 296575.866845 | 2839332.52864 |
| 174 | 296574.230826 | 2839331.61508 |
| 175 | 296572.413302 | 2839330.06713 |
| 176 | 296571.595973 | 2839329.61059 |
| 177 | 296570.252006 | 2839328.75365 |
| 178 | 296569.144539 | 2839328.24166 |
| 179 | 296568.327668 | 2839327.78551 |
| 180 | 296567.275114 | 2839326.98469 |
| 181 | 296566.113462 | 2839326.76193 |
| 182 | 296564.245221 | 2839325.50564 |
| 183 | 296562.848433 | 2839324.9386 |
| 184 | 296561.74215 | 2839324.42729 |
| 185 | 296560.871182 | 2839324.26027 |
| 186 | 296559.765171 | 2839323.74906 |
| 187 | 296557.788557 | 2839323.07102 |
| 188 | 296555.867764 | 2839322.10453 |
| 189 | 296555.453962 | 2839321.1284 |
| 190 | 296553.880052 | 2839319.93018 |
| 191 | 296552.016913 | 2839318.6769 |
| 192 | 296551.146851 | 2839318.51007 |
| 193 | 296550.154503 | 2839317.42412 |
| 194 | 296549.050859 | 2839316.91417 |
| 195 | 296547.423491 | 2839316.00546 |
| 196 | 296546.432514 | 2839314.92059 |
| 197 | 296545.675577 | 2839314.17921 |
| 198 | 296544.629136 | 2839313.38259 |
| 199 | 296543.583058 | 2839312.58605 |
| 200 | 296542.626853 | 2839311.64537 |
| 201 | 296541.315357 | 2839310.36458 |
| 202 | 296540.32695 | 2839309.28245 |
| 203 | 296539.395758 | 2839307.91435 |
| 204 | 296539.27634 | 2839306.99968 |
| 205 | 296539.15702 | 2839306.0855 |
| 206 | 296538.91849 | 2839304.25845 |
| 207 | 296539.258185 | 2839302.54381 |
| 208 | 296539.484452 | 2839301.40172 |
| 209 | 296539.710548 | 2839300.26023 |
| 210 | 296540.04958 | 2839298.54948 |
| 211 | 296540.388182 | 2839296.84014 |
| 212 | 296540.613692 | 2839295.70165 |
| 213 | 296540.782785 | 2839294.84813 |
| 214 | 296541.042167 | 2839293.53891 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
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| 217 | 296535.611126 | 2839295.4649 |
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| 219 | 296528.367286 | 2839298.66842 |
| 220 | 296516.926186 | 2839304.77784 |
| 221 | 296516.572484 | 2839304.97131 |
| 222 | 296481.561912 | 2839324.58334 |
| 223 | 296477.007584 | 2839326.79647 |
| 224 | 296473.435368 | 2839328.2372 |
| 225 | 296470.301881 | 2839329.19824 |
| 226 | 296467.502994 | 2839329.6271 |
| 227 | 296464.423136 | 2839329.72075 |
| 228 | 296462.45307 | 2839329.54687 |
| 229 | 296460.979761 | 2839329.23203 |
| 230 | 296459.217452 | 2839328.60613 |
| 231 | 296456.754269 | 2839327.4084 |
| 232 | 296455.108054 | 2839326.47847 |
| 233 | 296454.664333 | 2839326.17296 |
| 234 | 296453.737783 | 2839325.34969 |
| 235 | 296451.985576 | 2839323.70967 |
| 236 | 296450.772835 | 2839322.26965 |
| 237 | 296449.118773 | 2839320.20351 |
| 238 | 296447.469917 | 2839317.65218 |
| 239 | 296445.533676 | 2839314.18826 |
| 240 | 296439.803604 | 2839302.9888 |
| 241 | 296423.871659 | 2839271.36409 |
| 242 | 296423.290473 | 2839270.29287 |
| 243 | 296419.630001 | 2839264.01091 |
| 244 | 296419.514835 | 2839263.81586 |
| 245 | 296418.669991 | 2839262.51969 |
| 246 | 296416.274182 | 2839259.13745 |
| 247 | 296415.452332 | 2839258.05687 |
| 248 | 296413.093759 | 2839255.16525 |
| 249 | 296412.71712 | 2839254.71691 |
| 250 | 296412.229102 | 2839254.17332 |
| 251 | 296409.986152 | 2839251.76573 |
| 252 | 296408.995782 | 2839250.77453 |
| 253 | 296406.503278 | 2839248.4493 |
| 254 | 296405.478923 | 2839247.55657 |
| 255 | 296405.094185 | 2839247.25156 |
| 256 | 296402.381355 | 2839245.15362 |
| 257 | 296400.727132 | 2839244.00279 |
| 258 | 296396.926857 | 2839241.63354 |
| 259 | 296396.079501 | 2839241.13382 |
| 260 | 296394.834525 | 2839240.49631 |
| 261 | 296391.386022 | 2839238.87981 |
| 262 | 296389.725784 | 2839238.19087 |
| 263 | 296385.844298 | 2839236.78092 |
| 264 | 296385.567409 | 2839236.68262 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 265 | 296383.964814 | 2839236.20116 |
| 266 | 296379.921481 | 2839235.16849 |
| 267 | 296378.142771 | 2839234.79935 |
| 268 | 296377.317572 | 2839234.68445 |
| 269 | 296372.213351 | 2839234.08161 |
| 270 | 296370.336932 | 2839233.94915 |
| 271 | 296365.370951 | 2839233.83268 |
| 272 | 296364.594972 | 2839233.82943 |
| 273 | 296363.829292 | 2839233.85582 |
| 274 | 296357.4472 | 2839234.19655 |
| 275 | 296356.631286 | 2839234.2592 |
| 276 | 296352.056155 | 2839234.693 |
| 277 | 296351.223091 | 2839234.78969 |
| 278 | 296337.915182 | 2839236.61714 |
| 279 | 296337.508857 | 2839236.67729 |
| 280 | 296327.873738 | 2839238.20268 |
| 281 | 296327.226354 | 2839238.31595 |
| 282 | 296326.867184 | 2839238.38842 |
| 283 | 296321.214024 | 2839239.58278 |
| 284 | 296320.30833 | 2839239.79627 |
| 285 | 296315.748099 | 2839240.98343 |
| 286 | 296314.58739 | 2839241.32351 |
| 287 | 296309.882555 | 2839242.85769 |
| 288 | 296308.954682 | 2839243.18563 |
| 289 | 296308.265116 | 2839243.46347 |
| 290 | 296303.761712 | 2839245.37573 |
| 291 | 296301.584519 | 2839246.46106 |
| 292 | 296297.259855 | 2839248.95593 |
| 293 | 296296.989528 | 2839249.11474 |
| 294 | 296295.612108 | 2839250.0175 |
| 295 | 296291.099755 | 2839253.2477 |
| 296 | 296289.652106 | 2839254.38841 |
| 297 | 296289.263255 | 2839254.73389 |
| 298 | 296285.345055 | 2839258.30765 |
| 299 | 296283.974655 | 2839259.68554 |
| 300 | 296280.293004 | 2839263.76559 |
| 301 | 296279.624957 | 2839264.54525 |
| 302 | 296279.306695 | 2839264.94695 |
| 303 | 296275.991627 | 2839269.2433 |
| 304 | 296275.507805 | 2839269.89767 |
| 305 | 296268.310894 | 2839280.05395 |
| 306 | 296267.977837 | 2839280.53909 |
| 307 | 296256.994538 | 2839297.04772 |
| 308 | 296248.761296 | 2839309.4871 |
| 309 | 296241.681551 | 2839319.81012 |
| 310 | 296238.249683 | 2839324.43902 |
| 311 | 296235.344487 | 2839328.08076 |
| 312 | 296232.929402 | 2839330.69543 |
| 313 | 296230.118939 | 2839333.20047 |
| 314 | 296227.308895 | 2839335.23256 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 315 | 296222.415988 | 2839338.11566 |
| 316 | 296216.719609 | 2839340.80432 |
| 317 | 296192.830257 | 2839349.77709 |
| 318 | 296172.944 | 2839357.11344 |
| 319 | 296166.720452 | 2839359.04927 |
| 320 | 296161.813952 | 2839360.22794 |
| 321 | 296158.22845 | 2839360.64802 |
| 322 | 296156.105854 | 2839360.69904 |
| 323 | 296152.353231 | 2839360.18166 |
| 324 | 296150.261982 | 2839359.56254 |
| 325 | 296147.983215 | 2839358.64814 |
| 326 | 296143.830876 | 2839356.62707 |
| 327 | 296137.45879 | 2839352.80638 |
| 328 | 296128.972823 | 2839347.21065 |
| 329 | 296121.369389 | 2839341.94697 |
| 330 | 296121.120487 | 2839341.7774 |
| 331 | 296113.632898 | 2839336.75898 |
| 332 | 296112.539222 | 2839336.07602 |
| 333 | 296105.739863 | 2839332.12867 |
| 334 | 296105.431167 | 2839331.95304 |
| 335 | 296103.343224 | 2839330.94383 |
| 336 | 296099.083482 | 2839329.18172 |
| 337 | 296097.989214 | 2839328.76604 |
| 338 | 296097.521957 | 2839328.61058 |
| 339 | 296092.498833 | 2839327.00659 |
| 340 | 296091.13982 | 2839326.62486 |
| 341 | 296089.757278 | 2839326.34006 |
| 342 | 296082.613278 | 2839325.12899 |
| 343 | 296082.440783 | 2839325.10045 |
| 344 | 296080.685672 | 2839324.89771 |
| 345 | 296045.478123 | 2839322.40019 |
| 346 | 296045.370638 | 2839322.54096 |
| 347 | 296044.645728 | 2839323.27497 |
| 348 | 296043.583173 | 2839324.236 |
| 349 | 296042.519904 | 2839325.19764 |
| 350 | 296041.558085 | 2839325.59627 |
| 351 | 296040.15592 | 2839326.78584 |
| 352 | 296038.957896 | 2839326.84789 |
| 353 | 296037.840825 | 2839328.09347 |
| 354 | 296036.774343 | 2839329.05755 |
| 355 | 296036.097439 | 2839329.51239 |
| 356 | 296034.978232 | 2839330.76 |
| 357 | 296033.910059 | 2839331.7257 |
| 358 | 296032.709607 | 2839331.78838 |
| 359 | 296031.169713 | 2839332.07871 |
| 360 | 296030.204042 | 2839332.4794 |
| 361 | 296028.558778 | 2839333.33617 |
| 362 | 296027.879546 | 2839333.79226 |
| 363 | 296026.860251 | 2839334.47678 |
| 364 | 296024.402923 | 2839334.88594 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 365 | 296023.435007 | 2839335.28746 |
| 366 | 296020.294764 | 2839336.15405 |
| 367 | 296019.666462 | 2839336.32733 |
| 368 | 296018.644119 | 2839337.0132 |
| 369 | 296016.416817 | 2839337.76243 |
| 370 | 296015.734359 | 2839338.22015 |
| 371 | 296012.982672 | 2839338.57564 |
| 372 | 296011.435492 | 2839338.86787 |
| 373 | 296009.833977 | 2839339.44465 |
| 374 | 296008.339604 | 2839339.45276 |
| 375 | 296006.736918 | 2839340.02976 |
| 376 | 296005.187668 | 2839340.32243 |
| 377 | 296003.583636 | 2839340.89995 |
| 378 | 296002.267217 | 2839341.53294 |
| 379 | 296001.238504 | 2839342.2215 |
| 380 | 295999.343893 | 2839342.74448 |
| 381 | 295998.314103 | 2839343.43356 |
| 382 | 295997.050133 | 2839343.78263 |
| 383 | 295995.386923 | 2839344.64686 |
| 384 | 295993.833177 | 2839344.94079 |
| 385 | 295993.489258 | 2839345.17089 |
| 386 | 295990.668573 | 2839345.81464 |
| 387 | 295988.246576 | 2839345.94264 |
| 388 | 295986.756505 | 2839347.43571 |
| 389 | 295985.609913 | 2839348.69938 |
| 390 | 295983.538782 | 2839350.08379 |
| 391 | 295983.024916 | 2839351.17411 |
| 392 | 295982.277565 | 2839351.92273 |
| 393 | 295981.417286 | 2839353.24538 |
| 394 | 295980.612674 | 2839354.28207 |
| 395 | 295979.807622 | 2839355.31947 |
| 396 | 295979.002036 | 2839356.35737 |
| 397 | 295978.485881 | 2839357.45152 |
| 398 | 295978.202707 | 2839358.68977 |
| 399 | 295977.919368 | 2839360.32912 |
| 400 | 295977.692403 | 2839361.4814 |
| 401 | 295977.932671 | 2839363.32248 |
| 402 | 295978.520274 | 2839364.9324 |
| 403 | 295979.342235 | 2839366.68801 |
| 404 | 295979.462901 | 2839367.81063 |
| 405 | 295979.704163 | 2839369.65787 |
| 406 | 295980.584333 | 2839371.32837 |
| 407 | 295981.634964 | 2839372.13097 |
| 408 | 295982.216971 | 2839372.24241 |
| 409 | 295984.197264 | 2839372.9227 |
| 410 | 295985.013993 | 2839373.38001 |
| 411 | 295986.938863 | 2839374.35045 |
| 412 | 295988.752172 | 2839375.90168 |
| 413 | 295989.86086 | 2839376.41519 |
| 414 | 295991.14913 | 2839377.56542 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 415 | 295991.967132 | 2839378.02331 |
| 416 | 295993.312093 | 2839378.88367 |
| 417 | 295994.601823 | 2839380.03497 |
| 418 | 295995.711787 | 2839380.54926 |
| 419 | 295996.877435 | 2839380.77281 |
| 420 | 295998.751357 | 2839382.0367 |
| 421 | 295999.327741 | 2839382.40533 |
| 422 | 295999.12702 | 2839380.09299 |
| 423 | 295999.265759 | 2839377.30158 |
| 424 | 295999.600683 | 2839375.59268 |
| 425 | 296000.549494 | 2839372.88409 |
| 426 | 296001.175519 | 2839371.58109 |
| 427 | 296003.119363 | 2839368.58427 |
| 428 | 296004.300282 | 2839367.12116 |
| 429 | 296005.344553 | 2839366.11068 |
| 430 | 296007.576833 | 2839364.49271 |
| 431 | 296009.078726 | 2839363.60455 |
| 432 | 296010.9809 | 2839362.80979 |
| 433 | 296013.623989 | 2839362.0467 |
| 434 | 296017.176085 | 2839361.46865 |
| 435 | 296019.825919 | 2839361.26212 |
| 436 | 296023.920777 | 2839361.18645 |
| 437 | 296034.83862 | 2839361.75067 |
| 438 | 296076.885366 | 2839364.73315 |
| 439 | 296081.676576 | 2839365.54547 |
| 440 | 296084.561304 | 2839366.4666 |
| 441 | 296086.812879 | 2839367.39795 |
| 442 | 296091.896605 | 2839370.3494 |
| 443 | 296098.726859 | 2839374.92727 |
| 444 | 296106.389988 | 2839380.23227 |
| 445 | 296106.763808 | 2839380.48473 |
| 446 | 296115.793661 | 2839386.43921 |
| 447 | 296116.519057 | 2839386.89554 |
| 448 | 296124.006353 | 2839391.38491 |
| 449 | 296124.55831 | 2839391.70409 |
| 450 | 296125.538063 | 2839392.21481 |
| 451 | 296131.11743 | 2839394.93066 |
| 452 | 296132.422829 | 2839395.50933 |
| 453 | 296136.234973 | 2839397.03905 |
| 454 | 296137.132011 | 2839397.37436 |
| 455 | 296138.006172 | 2839397.65501 |
| 456 | 296142.446876 | 2839398.96961 |
| 457 | 296143.691302 | 2839399.2949 |
| 458 | 296144.954089 | 2839399.53949 |
| 459 | 296145.392503 | 2839399.6049 |
| 460 | 296152.240451 | 2839400.5492 |
| 461 | 296153.756577 | 2839400.69952 |
| 462 | 296155.279687 | 2839400.73413 |
| 463 | 296155.452957 | 2839400.73087 |
| 464 | 296160.11552 | 2839400.61873 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 465 | 296161.962058 | 2839400.48863 |
| 466 | 296167.652779 | 2839399.82218 |
| 467 | 296169.101023 | 2839399.59845 |
| 468 | 296169.998155 | 2839399.4046 |
| 469 | 296176.705529 | 2839397.79319 |
| 470 | 296177.973561 | 2839397.44408 |
| 471 | 296185.32106 | 2839395.15876 |
| 472 | 296185.818287 | 2839394.98989 |
| 473 | 296185.609007 | 2839394.84781 |
| 474 | 296184.331021 | 2839393.80722 |
| 475 | 296183.056487 | 2839392.50909 |
| 476 | 296182.543805 | 2839392.2478 |
| 477 | 296181.273274 | 2839390.69269 |
| 478 | 296180.509252 | 2839389.91458 |
| 479 | 296178.978756 | 2839388.61648 |
| 480 | 296178.218556 | 2839387.5814 |
| 481 | 296177.709789 | 2839387.06325 |
| 482 | 296176.950139 | 2839386.02876 |
| 483 | 296176.441465 | 2839385.5108 |
| 484 | 296175.688921 | 2839383.9626 |
| 485 | 296174.936753 | 2839382.41528 |
| 486 | 296174.438926 | 2839381.12724 |
| 487 | 296174.459439 | 2839379.5866 |
| 488 | 296175.245058 | 2839378.56506 |
| 489 | 296176.294147 | 2839377.03255 |
| 490 | 296177.336129 | 2839376.01365 |
| 491 | 296178.114193 | 2839375.50603 |
| 492 | 296178.89208 | 2839374.99862 |
| 493 | 296180.964747 | 2839373.73101 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 296841.457664 | 2839604.94572 |
| 2 | 296842.380909 | 2839604.69422 |
| 3 | 296843.765009 | 2839604.31698 |
| 4 | 296844.323013 | 2839603.78198 |
| 5 | 296845.341248 | 2839603.12175 |
| 6 | 296845.946262 | 2839602.38314 |
| 7 | 296846.962891 | 2839601.72423 |
| 8 | 296847.772644 | 2839601.02643 |
| 9 | 296848.533953 | 2839600.53297 |
| 10 | 296849.706329 | 2839600.11871 |
| 11 | 296850.466475 | 2839599.62596 |
| 12 | 296851.590045 | 2839599.41604 |
| 13 | 296852.349116 | 2839598.9238 |
| 14 | 296853.266074 | 2839598.67459 |
| 15 | 296854.13557 | 2839598.6289 |
| 16 | 296855.351189 | 2839598.01278 |
| 17 | 296856.472239 | 2839597.8034 |
| 18 | 296857.181962 | 2839597.51541 |
| 19 | 296857.937983 | 2839597.02461 |
| 20 | 296859.104074 | 2839596.61274 |
| 21 | 296860.222965 | 2839596.40389 |
| 22 | 296861.387617 | 2839595.99245 |
| 23 | 296862.505338 | 2839595.78391 |
| 24 | 296863.371679 | 2839595.73857 |
| 25 | 296864.785374 | 2839595.16456 |
| 26 | 296865.491683 | 2839594.87782 |
| 27 | 296865.94715 | 2839594.75406 |
| 28 | 296867.062711 | 2839594.54596 |
| 29 | 296868.677976 | 2839594.01222 |
| 30 | 296869.792279 | 2839593.80453 |
| 31 | 296871.110754 | 2839593.63608 |
| 32 | 296872.223883 | 2839593.42841 |
| 33 | 296872.837757 | 2839593.54618 |
| 34 | 296875.062395 | 2839593.13117 |
| 35 | 296876.129573 | 2839593.1255 |
| 36 | 296876.334106 | 2839593.16462 |
| 37 | 296877.970286 | 2839593.47841 |
| 38 | 296878.583886 | 2839593.59598 |
| 39 | 296879.285604 | 2839593.3102 |
| 40 | 296880.512535 | 2839593.54544 |
| 41 | 296882.732029 | 2839593.13071 |
| 42 | 296884.206285 | 2839593.20332 |
| 43 | 296884.819343 | 2839593.3209 |
| 44 | 296885.72352 | 2839593.07448 |
| 45 | 296887.240035 | 2839592.94574 |
| 46 | 296887.691719 | 2839592.82264 |
| 47 | 296889.121461 | 2839593.09673 |
| 48 | 296890.38983 | 2839593.13024 |
| 49 | 296891.86201 | 2839593.20289 |
| 50 | 296892.678876 | 2839593.3595 |
| 51 | 296893.699912 | 2839593.55514 |
| 52 | 296894.601472 | 2839593.30886 |
| 53 | 296895.868578 | 2839593.34239 |
| 54 | 296896.57143 | 2839593.36093 |
| 55 | 296844.310821 | 2839565.18934 |
| 56 | 296779.206609 | 2839529.94949 |
| 57 | 296747.633777 | 2839512.84394 |
| 58 | 296738.271165 | 2839507.33871 |
| 59 | 296732.821156 | 2839503.66796 |
| 60 | 296728.390115 | 2839500.19685 |
| 61 | 296724.696796 | 2839497.09653 |
| 62 | 296720.264752 | 2839493.13157 |
| 63 | 296716.733759 | 2839489.47678 |
| 64 | 296712.275711 | 2839484.72816 |
| 65 | 296709.626284 | 2839481.57976 |
| 66 | 296707.256351 | 2839478.44084 |
| 67 | 296703.698915 | 2839473.45481 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 68 | 296701.212927 | 2839469.70869 |
| 69 | 296697.95441 | 2839464.2846 |
| 70 | 296690.583031 | 2839451.04589 |
| 71 | 296669.951912 | 2839413.87133 |
| 72 | 296646.023418 | 2839370.67958 |
| 73 | 296627.928675 | 2839338.05311 |
| 74 | 296627.70685 | 2839337.66368 |
| 75 | 296621.020252 | 2839326.21941 |
| 76 | 296620.917054 | 2839326.04481 |
| 77 | 296620.524457 | 2839325.41494 |
| 78 | 296618.680852 | 2839322.57679 |
| 79 | 296618.215974 | 2839321.89212 |
| 80 | 296616.06313 | 2839318.8601 |
| 81 | 296615.432937 | 2839318.02002 |
| 82 | 296612.238014 | 2839313.98651 |
| 83 | 296611.682489 | 2839313.31579 |
| 84 | 296611.17511 | 2839312.75166 |
| 85 | 296607.933175 | 2839309.28131 |
| 86 | 296606.452634 | 2839307.85157 |
| 87 | 296603.281253 | 2839305.08986 |
| 88 | 296602.766304 | 2839304.65649 |
| 89 | 296601.481604 | 2839303.6946 |
| 90 | 296597.361034 | 2839300.86004 |
| 91 | 296595.893835 | 2839299.9417 |
| 92 | 296591.419967 | 2839297.40384 |
| 93 | 296591.285592 | 2839297.32836 |
| 94 | 296589.605428 | 2839296.49301 |
| 95 | 296586.242251 | 2839295.01358 |
| 96 | 296584.740254 | 2839294.42383 |
| 97 | 296583.802317 | 2839294.1244 |
| 98 | 296578.657493 | 2839292.61965 |
| 99 | 296577.548183 | 2839292.32942 |
| 100 | 296574.016604 | 2839291.51316 |
| 101 | 296572.682578 | 2839291.25218 |
| 102 | 296572.276655 | 2839291.19114 |
| 103 | 296568.000603 | 2839290.59437 |
| 104 | 296565.716668 | 2839290.40803 |
| 105 | 296561.921991 | 2839290.3168 |
| 106 | 296561.134179 | 2839290.31322 |
| 107 | 296560.449277 | 2839290.33558 |
| 108 | 296554.983212 | 2839290.60678 |
| 109 | 296552.610203 | 2839290.86715 |
| 110 | 296549.89826 | 2839291.32984 |
| 111 | 296549.487821 | 2839291.40439 |
| 112 | 296548.824036 | 2839291.54351 |
| 113 | 296545.786116 | 2839292.23491 |
| 114 | 296545.612158 | 2839293.1187 |
| 115 | 296545.276293 | 2839294.82401 |
| 116 | 296545.052309 | 2839295.96189 |
| 117 | 296544.828243 | 2839297.10036 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 118 | 296544.547861 | 2839298.5245 |
| 119 | 296544.32328 | 2839299.66467 |
| 120 | 296543.810016 | 2839300.75018 |
| 121 | 296543.585182 | 2839301.89155 |
| 122 | 296543.303954 | 2839303.31939 |
| 123 | 296543.078697 | 2839304.46256 |
| 124 | 296543.777195 | 2839305.48665 |
| 125 | 296544.942099 | 2839307.19457 |
| 126 | 296545.585217 | 2839308.50641 |
| 127 | 296546.228797 | 2839309.81903 |
| 128 | 296546.928869 | 2839310.84558 |
| 129 | 296547.918819 | 2839311.92828 |
| 130 | 296549.198823 | 2839313.06682 |
| 131 | 296550.535403 | 2839313.91689 |
| 132 | 296551.348537 | 2839314.37271 |
| 133 | 296552.919784 | 2839315.56807 |
| 134 | 296553.967768 | 2839316.36528 |
| 135 | 296554.726157 | 2839317.10713 |
| 136 | 296556.354429 | 2839318.01592 |
| 137 | 296557.983249 | 2839318.9251 |
| 138 | 296558.797751 | 2839319.37979 |
| 139 | 296560.192624 | 2839319.94566 |
| 140 | 296561.532485 | 2839320.79978 |
| 141 | 296563.217683 | 2839321.4215 |
| 142 | 296564.903338 | 2839322.04351 |
| 143 | 296566.879312 | 2839322.72106 |
| 144 | 296568.275278 | 2839323.28752 |
| 145 | 296569.091233 | 2839323.74279 |
| 146 | 296571.013738 | 2839324.70915 |
| 147 | 296573.226934 | 2839325.73166 |
| 148 | 296575.731177 | 2839326.80999 |
| 149 | 296577.311352 | 2839328.0106 |
| 150 | 296579.817232 | 2839329.08971 |
| 151 | 296580.581182 | 2839329.83506 |
| 152 | 296582.45387 | 2839331.09288 |
| 153 | 296584.036783 | 2839332.29544 |
| 154 | 296585.092516 | 2839333.09751 |
| 155 | 296586.386025 | 2839334.24542 |
| 156 | 296587.44258 | 2839335.04807 |
| 157 | 296588.208544 | 2839335.79529 |
| 158 | 296589.027959 | 2839336.2525 |
| 159 | 296591.619092 | 2839338.55163 |
| 160 | 296592.386247 | 2839339.29993 |
| 161 | 296593.68314 | 2839340.45067 |
| 162 | 296594.689536 | 2839341.54608 |
| 163 | 296595.405075 | 2839342.58625 |
| 164 | 296595.934907 | 2839342.98689 |
| 165 | 296597.658865 | 2839345.12693 |
| 166 | 296598.375782 | 2839346.16867 |
| 167 | 296598.853914 | 2839346.86359 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 168 | 296600.341294 | 2839348.65747 |
| 169 | 296601.351091 | 2839349.7568 |
| 170 | 296602.361258 | 2839350.85674 |
| 171 | 296602.444419 | 2839352.08158 |
| 172 | 296603.163554 | 2839353.12668 |
| 173 | 296604.070809 | 2839354.81364 |
| 174 | 296604.446593 | 2839356.09698 |
| 175 | 296605.114883 | 2839357.43713 |
| 176 | 296605.835592 | 2839358.4848 |
| 177 | 296606.55658 | 2839359.53295 |
| 178 | 296607.225986 | 2839360.87518 |
| 179 | 296607.947804 | 2839361.92452 |
| 180 | 296608.566193 | 2839363.56239 |
| 181 | 296609.236902 | 2839364.90719 |
| 182 | 296609.322451 | 2839366.14057 |
| 183 | 296609.649206 | 2839367.72561 |
| 184 | 296610.217359 | 2839369.66291 |
| 185 | 296610.251567 | 2839371.19434 |
| 186 | 296609.888822 | 2839373.2619 |
| 187 | 296609.733241 | 2839374.1486 |
| 188 | 296609.180252 | 2839375.57123 |
| 189 | 296608.626828 | 2839376.99487 |
| 190 | 296608.229152 | 2839377.53091 |
| 191 | 296607.329178 | 2839379.19623 |
| 192 | 296606.375975 | 2839381.16013 |
| 193 | 296606.240657 | 2839381.42987 |
| 194 | 296611.034735 | 2839390.074 |
| 195 | 296634.966017 | 2839433.27083 |
| 196 | 296655.617927 | 2839470.4827 |
| 197 | 296663.162914 | 2839484.03333 |
| 198 | 296663.482156 | 2839484.58579 |
| 199 | 296667.151902 | 2839490.69437 |
| 200 | 296667.428198 | 2839491.13179 |
| 201 | 296669.432537 | 2839490.79148 |
| 202 | 296671.138166 | 2839490.83242 |
| 203 | 296671.746116 | 2839490.66317 |
| 204 | 296673.725489 | 2839490.75672 |
| 205 | 296675.371289 | 2839491.07223 |
| 206 | 296677.017089 | 2839491.38773 |
| 207 | 296678.937173 | 2839491.75584 |
| 208 | 296680.582882 | 2839492.07134 |
| 209 | 296682.502967 | 2839492.43945 |
| 210 | 296683.600106 | 2839492.64976 |
| 211 | 296685.794475 | 2839493.07046 |
| 212 | 296686.559489 | 2839493.503 |
| 213 | 296688.14763 | 2839494.09333 |
| 214 | 296689.461759 | 2839494.63126 |
| 215 | 296690.386477 | 2839495.66683 |
| 216 | 296691.918146 | 2839496.53287 |
| 217 | 296692.352319 | 2839497.18881 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 218 | 296693.278591 | 2839498.22566 |
| 219 | 296694.14795 | 2839499.53891 |
| 220 | 296695.292786 | 2839500.90585 |
| 221 | 296695.945889 | 2839501.89227 |
| 222 | 296696.542086 | 2839503.15539 |
| 223 | 296696.977921 | 2839503.8138 |
| 224 | 296697.850055 | 2839505.1313 |
| 225 | 296698.011162 | 2839505.7376 |
| 226 | 296698.608847 | 2839507.0036 |
| 227 | 296698.874641 | 2839508.49521 |
| 228 | 296699.416187 | 2839510.04089 |
| 229 | 296700.015189 | 2839511.31035 |
| 230 | 296700.614563 | 2839512.58051 |
| 231 | 296701.214587 | 2839513.85185 |
| 232 | 296702.034021 | 2839515.45546 |
| 233 | 296702.63498 | 2839516.72688 |
| 234 | 296703.065973 | 2839518.64048 |
| 235 | 296703.009194 | 2839519.11968 |
| 236 | 296703.611188 | 2839520.39578 |
| 237 | 296703.823651 | 2839522.17948 |
| 238 | 296704.206441 | 2839523.125 |
| 239 | 296704.199432 | 2839524.57823 |
| 240 | 296704.525936 | 2839525.80563 |
| 241 | 296705.129725 | 2839527.08698 |
| 242 | 296705.677318 | 2839528.65021 |
| 243 | 296706.06152 | 2839529.59949 |
| 244 | 296706.445909 | 2839530.54917 |
| 245 | 296708.155484 | 2839533.50817 |
| 246 | 296708.597459 | 2839534.17834 |
| 247 | 296708.983152 | 2839535.13058 |
| 248 | 296708.985099 | 2839535.1752 |
| 249 | 296710.200173 | 2839535.40812 |
| 250 | 296712.025682 | 2839535.75814 |
| 251 | 296713.139858 | 2839536.38533 |
| 252 | 296713.645955 | 2839536.89607 |
| 253 | 296714.457575 | 2839537.05176 |
| 254 | 296715.166942 | 2839537.60164 |
| 255 | 296715.927663 | 2839537.95452 |
| 256 | 296717.449739 | 2839538.66046 |
| 257 | 296718.160109 | 2839539.21103 |
| 258 | 296718.769277 | 2839539.32786 |
| 259 | 296719.68328 | 2839539.91766 |
| 260 | 296720.648269 | 2839540.31006 |
| 261 | 296720.953381 | 2839540.78342 |
| 262 | 296721.715647 | 2839541.13697 |
| 263 | 296722.681183 | 2839541.52966 |
| 264 | 296723.49407 | 2839541.68553 |
| 265 | 296724.409803 | 2839542.2763 |
| 266 | 296725.172706 | 2839542.63014 |
| 267 | 296726.13915 | 2839543.02322 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 268 | 296727.155666 | 2839543.21812 |
| 269 | 296728.122472 | 2839543.61119 |
| 270 | 296729.342435 | 2839543.84503 |
| 271 | 296730.309603 | 2839544.2382 |
| 272 | 296730.716318 | 2839544.31618 |
| 273 | 296732.090475 | 2839544.78752 |
| 274 | 296733.717515 | 2839545.09943 |
| 275 | 296735.751271 | 2839545.48932 |
| 276 | 296736.768239 | 2839545.68432 |
| 277 | 296737.988473 | 2839545.91815 |
| 278 | 296739.005442 | 2839546.11315 |
| 279 | 296740.225767 | 2839546.34708 |
| 280 | 296741.242645 | 2839546.54208 |
| 281 | 296743.372736 | 2839546.53468 |
| 282 | 296744.234156 | 2839546.49219 |
| 283 | 296745.298751 | 2839546.48855 |
| 284 | 296746.207617 | 2839546.24742 |
| 285 | 296746.66187 | 2839546.12687 |
| 286 | 296747.821006 | 2839545.72666 |
| 287 | 296748.728704 | 2839545.48595 |
| 288 | 296749.886491 | 2839545.08606 |
| 289 | 296751.043559 | 2839544.68648 |
| 290 | 296752.152721 | 2839544.48494 |
| 291 | 296753.058352 | 2839544.24487 |
| 292 | 296754.010627 | 2839543.80687 |
| 293 | 296754.915539 | 2839543.567 |
| 294 | 296756.022814 | 2839543.36609 |
| 295 | 296757.222485 | 2839542.77004 |
| 296 | 296757.876856 | 2839542.68927 |
| 297 | 296759.075183 | 2839542.09394 |
| 298 | 296760.428682 | 2839541.7351 |
| 299 | 296761.330536 | 2839541.49606 |
| 300 | 296762.480325 | 2839541.09881 |
| 301 | 296763.629307 | 2839540.70194 |
| 302 | 296764.77757 | 2839540.30529 |
| 303 | 296765.970512 | 2839539.71213 |
| 304 | 296766.869758 | 2839539.47385 |
| 305 | 296768.217685 | 2839539.11679 |
| 306 | 296769.317941 | 2839538.91748 |
| 307 | 296770.170687 | 2839538.87603 |
| 308 | 296771.270332 | 2839538.67683 |
| 309 | 296772.324555 | 2839538.67415 |
| 310 | 296773.334095 | 2839538.86766 |
| 311 | 296774.747359 | 2839539.13851 |
| 312 | 296775.75681 | 2839539.33213 |
| 313 | 296777.573892 | 2839539.6805 |
| 314 | 296778.583341 | 2839539.87402 |
| 315 | 296779.505146 | 2839540.46041 |
| 316 | 296780.067097 | 2839540.77318 |
| 317 | 296780.989361 | 2839541.36007 |
| 318 | 296781.595356 | 2839541.47625 |
| 319 | 296782.633166 | 2839542.49585 |
| 320 | 296783.354528 | 2839543.04485 |
| 321 | 296784.393712 | 2839544.06583 |
| 322 | 296785.274764 | 2839544.85155 |
| 323 | 296785.954186 | 2839545.599 |
| 324 | 296786.995571 | 2839546.62214 |
| 325 | 296787.878547 | 2839547.40962 |
| 326 | 296788.559437 | 2839548.15865 |
| 327 | 296788.878553 | 2839548.63249 |
| 328 | 296790.125412 | 2839549.69722 |
| 329 | 296790.721995 | 2839550.84475 |
| 330 | 296792.05637 | 2839551.51412 |
| 331 | 296792.697174 | 2839552.46466 |
| 332 | 296793.584271 | 2839553.25597 |
| 333 | 296793.937976 | 2839554.56756 |
| 334 | 296794.580536 | 2839555.52076 |
| 335 | 296795.062848 | 2839556.23625 |
| 336 | 296795.460425 | 2839557.35175 |
| 337 | 296796.019737 | 2839558.70772 |
| 338 | 296796.214629 | 2839559.78686 |
| 339 | 296796.775073 | 2839561.14601 |
| 340 | 296797.013176 | 2839562.02707 |
| 341 | 296797.293913 | 2839562.70789 |
| 342 | 296797.651687 | 2839564.03167 |
| 343 | 296798.136979 | 2839564.75299 |
| 344 | 296798.580295 | 2839565.67636 |
| 345 | 296799.43269 | 2839566.67877 |
| 346 | 296800.03922 | 2839567.84488 |
| 347 | 296800.568331 | 2839568.36663 |
| 348 | 296801.42266 | 2839569.3715 |
| 349 | 296802.073099 | 2839570.33804 |
| 350 | 296802.724095 | 2839571.30546 |
| 351 | 296803.622412 | 2839572.11005 |
| 352 | 296804.479501 | 2839573.11827 |
| 353 | 296805.459032 | 2839574.57324 |
| 354 | 296806.112702 | 2839575.54431 |
| 355 | 296806.972185 | 2839576.55558 |
| 356 | 296807.627237 | 2839577.52842 |
| 357 | 296808.118803 | 2839578.25852 |
| 358 | 296808.938822 | 2839579.47657 |
| 359 | 296809.184296 | 2839580.37317 |
| 360 | 296809.429962 | 2839581.27047 |
| 361 | 296810.087518 | 2839582.24766 |
| 362 | 296810.539734 | 2839583.18613 |
| 363 | 296810.992234 | 2839584.1254 |
| 364 | 296811.321707 | 2839584.61513 |
| 365 | 296811.774948 | 2839585.55569 |
| 366 | 296812.10488 | 2839586.04591 |
| 367 | 296812.765029 | 2839587.02734 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 368 | 296813.095334 | 2839587.51835 |
| 369 | 296813.962661 | 2839588.54056 |
| 370 | 296814.334527 | 2839588.82606 |
| 371 | 296814.873597 | 2839590.42938 |
| 372 | 296815.90866 | 2839591.70074 |
| 373 | 296816.158721 | 2839592.60793 |
| 374 | 296816.615773 | 2839593.55551 |
| 375 | 296817.487247 | 2839594.58323 |
| 376 | 296818.026662 | 2839595.11738 |
| 377 | 296819.106401 | 2839596.18617 |
| 378 | 296819.646729 | 2839596.721 |
| 379 | 296820.14662 | 2839597.46403 |
| 380 | 296820.357521 | 2839597.71272 |
| 381 | 296825.296274 | 2839600.38594 |
| 382 | 296830.738094 | 2839603.31942 |
| 383 | 296833.717782 | 2839603.89067 |
| 384 | 296836.816041 | 2839604.48461 |
| 385 | 296839.088194 | 2839604.9202 |
| 386 | 296839.550221 | 2839604.79434 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 296676.781114 | 2839496.49632 |
| 2 | 296675.682073 | 2839496.28565 |
| 3 | 296674.523938 | 2839496.35042 |
| 4 | 296672.541139 | 2839496.25722 |
| 5 | 296671.048183 | 2839496.54496 |
| 6 | 296671.02762 | 2839496.54099 |
| 7 | 296674.847471 | 2839501.89499 |
| 8 | 296675.166994 | 2839502.33026 |
| 9 | 296678.018055 | 2839506.10646 |
| 10 | 296678.677108 | 2839506.93285 |
| 11 | 296682.016656 | 2839510.90147 |
| 12 | 296682.197094 | 2839511.11276 |
| 13 | 296682.738251 | 2839511.71295 |
| 14 | 296687.667402 | 2839516.96337 |
| 15 | 296687.865122 | 2839517.17091 |
| 16 | 296692.000522 | 2839521.45121 |
| 17 | 296693.048655 | 2839522.46018 |
| 18 | 296698.255025 | 2839527.11791 |
| 19 | 296698.726413 | 2839527.52654 |
| 20 | 296699.739339 | 2839528.37741 |
| 21 | 296699.580387 | 2839527.48128 |
| 22 | 296699.255485 | 2839526.25236 |
| 23 | 296699.045292 | 2839524.46364 |
| 24 | 296698.778183 | 2839522.9569 |
| 25 | 296698.511186 | 2839521.45156 |
| 26 | 296698.3018 | 2839519.6683 |
| 27 | 296698.035392 | 2839518.16604 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 28 | 296697.988139 | 2839516.99715 |
| 29 | 296697.883749 | 2839516.10766 |
| 30 | 296697.675088 | 2839514.33047 |
| 31 | 296697.352143 | 2839513.11139 |
| 32 | 296696.811 | 2839511.56251 |
| 33 | 296696.155641 | 2839510.57035 |
| 34 | 296695.282536 | 2839509.24838 |
| 35 | 296694.410079 | 2839507.9275 |
| 36 | 296693.147742 | 2839507.10905 |
| 37 | 296692.436694 | 2839506.39647 |
| 38 | 296691.508265 | 2839505.35437 |
| 39 | 296690.79786 | 2839504.64248 |
| 40 | 296689.870349 | 2839503.60136 |
| 41 | 296688.610296 | 2839502.78468 |
| 42 | 296687.683795 | 2839501.74465 |
| 43 | 296686.699753 | 2839500.98123 |
| 44 | 296685.44116 | 2839500.16552 |
| 45 | 296684.732858 | 2839499.45539 |
| 46 | 296683.475086 | 2839498.64026 |
| 47 | 296682.159312 | 2839498.10107 |
| 48 | 296681.177098 | 2839497.33912 |
| 49 | 296679.803319 | 2839497.07575 |
| 50 | 296678.154893 | 2839496.75969 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 287653.83661 | 2843243.0438 |
| 2 | 287653.258211 | 2843242.82126 |
| 3 | 287635.134523 | 2843259.23071 |
| 4 | 287629.375986 | 2843275.7907 |
| 5 | 287635.060992 | 2843278.59629 |
| 6 | 287636.731564 | 2843279.32793 |
| 7 | 287640.39084 | 2843280.73578 |
| 8 | 287641.033269 | 2843280.97025 |
| 9 | 287642.256653 | 2843281.35018 |
| 10 | 287652.360201 | 2843284.13533 |
| 11 | 287652.89637 | 2843284.27523 |
| 12 | 287685.969681 | 2843292.41416 |
| 13 | 287698.435673 | 2843295.89967 |
| 14 | 287700.960952 | 2843296.73602 |
| 15 | 287704.288194 | 2843298.11014 |
| 16 | 287707.727363 | 2843299.69035 |
| 17 | 287713.590678 | 2843303.43768 |
| 18 | 287715.676254 | 2843305.11143 |
| 19 | 287719.786815 | 2843309.02834 |
| 20 | 287726.390127 | 2843318.00994 |
| 21 | 287739.000704 | 2843339.77009 |
| 22 | 287747.781037 | 2843355.55797 |
| 23 | 287748.101722 | 2843356.11321 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 24 | 287748.422066 | 2843356.63029 |
| 25 | 287753.109155 | 2843363.94271 |
| 26 | 287753.823631 | 2843364.98346 |
| 27 | 287757.93117 | 2843370.58017 |
| 28 | 287758.826802 | 2843371.7125 |
| 29 | 287763.84955 | 2843377.61177 |
| 30 | 287763.964565 | 2843377.74566 |
| 31 | 287764.969005 | 2843378.82174 |
| 32 | 287771.115188 | 2843384.93911 |
| 33 | 287772.372455 | 2843386.08838 |
| 34 | 287777.875139 | 2843390.70305 |
| 35 | 287778.117998 | 2843390.90366 |
| 36 | 287778.743705 | 2843391.39143 |
| 37 | 287783.596313 | 2843395.02292 |
| 38 | 287784.493987 | 2843395.65703 |
| 39 | 287791.972878 | 2843400.63761 |
| 40 | 287792.402173 | 2843400.91566 |
| 41 | 287806.502665 | 2843409.79391 |
| 42 | 287806.703223 | 2843409.91866 |
| 43 | 287815.578523 | 2843415.36153 |
| 44 | 287816.313003 | 2843415.79086 |
| 45 | 287816.415127 | 2843415.84723 |
| 46 | 287823.557886 | 2843419.76576 |
| 47 | 287824.3648 | 2843420.18486 |
| 48 | 287828.467677 | 2843422.19876 |
| 49 | 287829.932714 | 2843422.84631 |
| 50 | 287834.432811 | 2843424.62383 |
| 51 | 287835.241966 | 2843424.92351 |
| 52 | 287835.483101 | 2843425.00526 |
| 53 | 287840.126497 | 2843426.5458 |
| 54 | 287841.939558 | 2843427.05384 |
| 55 | 287848.664749 | 2843428.60132 |
| 56 | 287849.992539 | 2843428.85991 |
| 57 | 287850.412606 | 2843428.92255 |
| 58 | 287855.848715 | 2843429.67368 |
| 59 | 287857.542264 | 2843429.83453 |
| 60 | 287863.153082 | 2843430.12782 |
| 61 | 287860.989221 | 2843424.73357 |
| 62 | 287860.929344 | 2843424.58056 |
| 63 | 287860.653696 | 2843423.75282 |
| 64 | 287860.451214 | 2843422.90409 |
| 65 | 287860.348297 | 2843422.25656 |
| 66 | 287860.287916 | 2843421.60377 |
| 67 | 287859.409585 | 2843406.83693 |
| 68 | 287859.39325 | 2843406.40308 |
| 69 | 287859.417307 | 2843405.53088 |
| 70 | 287859.517298 | 2843404.66405 |
| 71 | 287859.754241 | 2843403.57548 |
| 72 | 287862.115384 | 2843395.04343 |
| 73 | 287862.484408 | 2843390.03199 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 74 | 287860.48077 | 2843389.92723 |
| 75 | 287856.769421 | 2843389.41459 |
| 76 | 287851.8289 | 2843388.27773 |
| 77 | 287848.612257 | 2843387.21054 |
| 78 | 287845.375983 | 2843385.9323 |
| 79 | 287842.402278 | 2843384.47276 |
| 80 | 287836.080924 | 2843381.00488 |
| 81 | 287827.721297 | 2843375.87803 |
| 82 | 287813.934388 | 2843367.19724 |
| 83 | 287807.126229 | 2843362.66324 |
| 84 | 287803.158198 | 2843359.69386 |
| 85 | 287798.733129 | 2843355.98277 |
| 86 | 287793.775591 | 2843351.04843 |
| 87 | 287789.756587 | 2843346.32808 |
| 88 | 287786.449111 | 2843341.82157 |
| 89 | 287782.440309 | 2843335.56721 |
| 90 | 287773.879425 | 2843320.17384 |
| 91 | 287773.704655 | 2843319.8664 |
| 92 | 287760.457826 | 2843297.00821 |
| 93 | 287760.311823 | 2843296.7605 |
| 94 | 287759.267214 | 2843295.18937 |
| 95 | 287750.976536 | 2843283.91264 |
| 96 | 287749.975851 | 2843282.65992 |
| 97 | 287748.65953 | 2843281.2802 |
| 98 | 287742.659385 | 2843275.56261 |
| 99 | 287741.425932 | 2843274.48034 |
| 100 | 287737.791714 | 2843271.56323 |
| 101 | 287736.04315 | 2843270.30833 |
| 102 | 287728.106789 | 2843265.23614 |
| 103 | 287727.057619 | 2843264.60985 |
| 104 | 287725.685977 | 2843263.91467 |
| 105 | 287720.635238 | 2843261.59409 |
| 106 | 287719.919237 | 2843261.28186 |
| 107 | 287715.567019 | 2843259.48456 |
| 108 | 287714.471382 | 2843259.06929 |
| 109 | 287714.221257 | 2843258.9846 |
| 110 | 287710.566317 | 2843257.77398 |
| 111 | 287709.663262 | 2843257.49824 |
| 112 | 287696.442857 | 2843253.80176 |
| 113 | 287695.836397 | 2843253.64245 |
| 114 | 287662.723474 | 2843245.49376 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 296779.187365 | 2839549.46086 |
| 2 | 296778.419855 | 2839549.10679 |
| 3 | 296777.855522 | 2839548.79176 |
| 4 | 296776.929944 | 2839548.20074 |
| 5 | 296776.321501 | 2839548.08399 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 6 | 296775.10453 | 2839547.8508 |
| 7 | 296774.698812 | 2839547.77301 |
| 8 | 296773.279114 | 2839547.50076 |
| 9 | 296772.264956 | 2839547.30642 |
| 10 | 296771.047982 | 2839547.07303 |
| 11 | 296769.33508 | 2839547.15825 |
| 12 | 296768.432893 | 2839547.39907 |
| 13 | 296767.530437 | 2839547.64009 |
| 14 | 296766.267094 | 2839547.60492 |
| 15 | 296764.957745 | 2839547.76806 |
| 16 | 296763.398858 | 2839548.09088 |
| 17 | 296762.7436 | 2839548.17266 |
| 18 | 296761.229543 | 2839548.29709 |
| 19 | 296760.370567 | 2839548.33993 |
| 20 | 296759.261872 | 2839548.54246 |
| 21 | 296758.652162 | 2839548.42553 |
| 22 | 296757.995999 | 2839548.50723 |
| 23 | 296757.183022 | 2839548.35136 |
| 24 | 296756.323324 | 2839548.39422 |
| 25 | 296754.399938 | 2839548.44101 |
| 26 | 296753.58669 | 2839548.28504 |
| 27 | 296752.225209 | 2839548.6475 |
| 28 | 296751.113716 | 2839548.85016 |
| 29 | 296748.183077 | 2839549.53709 |
| 30 | 296745.440846 | 2839549.4281 |
| 31 | 296741.94126 | 2839549.79947 |
| 32 | 296741.48539 | 2839549.92055 |
| 33 | 296740.214283 | 2839549.8856 |
| 34 | 296739.195503 | 2839549.69024 |
| 35 | 296736.807132 | 2839549.85854 |
| 36 | 296736.146553 | 2839549.94081 |
| 37 | 296735.331219 | 2839549.78438 |
| 38 | 296734.262658 | 2839549.78848 |
| 39 | 296732.22392 | 2839549.39757 |
| 40 | 296731.011301 | 2839549.33662 |
| 41 | 296760.156829 | 2839565.12691 |
| 42 | 296810.652859 | 2839592.45971 |
| 43 | 296810.616443 | 2839592.40536 |
| 44 | 296809.91368 | 2839591.62558 |
| 45 | 296809.542982 | 2839590.26572 |
| 46 | 296809.296015 | 2839589.36008 |
| 47 | 296808.471573 | 2839588.13033 |
| 48 | 296808.225449 | 2839587.22667 |
| 49 | 296807.692129 | 2839585.62735 |
| 50 | 296807.610912 | 2839584.97068 |
| 51 | 296807.407297 | 2839583.86467 |
| 52 | 296806.914404 | 2839583.13051 |
| 53 | 296806.463716 | 2839582.19161 |
| 54 | 296806.096912 | 2839580.84425 |
| 55 | 296805.933045 | 2839580.60012 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 56 | 296805.483207 | 2839579.6637 |
| 57 | 296805.033924 | 2839578.72806 |
| 58 | 296804.299879 | 2839577.10241 |
| 59 | 296803.482966 | 2839575.68671 |
| 60 | 296802.993406 | 2839575.15787 |
| 61 | 296801.767724 | 2839573.86561 |
| 62 | 296800.706355 | 2839572.81707 |
| 63 | 296800.133625 | 2839572.49619 |
| 64 | 296798.911057 | 2839571.20677 |
| 65 | 296798.219085 | 2839570.44177 |
| 66 | 296797.647266 | 2839570.12137 |
| 67 | 296796.751403 | 2839569.31784 |
| 68 | 296796.018019 | 2839568.75626 |
| 69 | 296795.12307 | 2839567.95351 |
| 70 | 296794.228853 | 2839567.15135 |
| 71 | 296793.496747 | 2839566.59065 |
| 72 | 296792.689396 | 2839565.38606 |
| 73 | 296791.958116 | 2839564.82625 |
| 74 | 296790.948065 | 2839563.5843 |
| 75 | 296790.260956 | 2839562.8243 |
| 76 | 296789.895955 | 2839562.54489 |
| 77 | 296789.005495 | 2839561.74625 |
| 78 | 296788.319488 | 2839560.98744 |
| 79 | 296787.109302 | 2839559.71059 |
| 80 | 296786.424487 | 2839558.95295 |
| 81 | 296785.900404 | 2839558.43521 |
| 82 | 296785.10014 | 2839557.23938 |
| 83 | 296784.823961 | 2839556.56139 |
| 84 | 296783.937446 | 2839555.76688 |
| 85 | 296783.29884 | 2839554.81242 |
| 86 | 296783.023408 | 2839554.13601 |
| 87 | 296782.385727 | 2839553.18304 |
| 88 | 296781.748509 | 2839552.23075 |
| 89 | 296781.27092 | 2839551.51708 |
| 90 | 296780.38762 | 2839550.72611 |
| 91 | 296780.06975 | 2839550.25105 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 296904.595948 | 2839600.47659 |
| 2 | 296903.77709 | 2839600.31961 |
| 3 | 296901.851177 | 2839600.37179 |
| 4 | 296901.032138 | 2839600.21481 |
| 5 | 296899.719737 | 2839600.38477 |
| 6 | 296898.286009 | 2839600.10984 |
| 7 | 296897.8764 | 2839600.0314 |
| 8 | 296896.400437 | 2839599.95931 |
| 9 | 296895.581035 | 2839599.80224 |
| 10 | 296894.267098 | 2839599.97212 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 11 | 296892.585245 | 2839599.86073 |
| 12 | 296892.175454 | 2839599.7822 |
| 13 | 296891.313002 | 2839599.82788 |
| 14 | 296890.288341 | 2839599.6314 |
| 15 | 296889.220633 | 2839599.63777 |
| 16 | 296887.78591 | 2839599.36275 |
| 17 | 296886.14629 | 2839599.04843 |
| 18 | 296885.03445 | 2839599.25766 |
| 19 | 296884.419399 | 2839599.13972 |
| 20 | 296882.237954 | 2839599.35536 |
| 21 | 296881.212569 | 2839599.15879 |
| 22 | 296880.187274 | 2839598.96222 |
| 23 | 296878.253049 | 2839599.01423 |
| 24 | 296877.182991 | 2839599.02054 |
| 25 | 296876.523087 | 2839599.10548 |
| 26 | 296874.997573 | 2839599.23624 |
| 27 | 296874.131961 | 2839599.28197 |
| 28 | 296872.810801 | 2839599.45207 |
| 29 | 296871.238453 | 2839599.78614 |
| 30 | 296870.57729 | 2839599.87139 |
| 31 | 296869.710504 | 2839599.91714 |
| 32 | 296868.387274 | 2839600.08767 |
| 33 | 296866.812222 | 2839600.42208 |
| 34 | 296865.044446 | 2839600.46805 |
| 35 | 296864.665428 | 2839600.4351 |
| 36 | 296864.254368 | 2839600.35629 |
| 37 | 296862.677065 | 2839600.69114 |
| 38 | 296861.258199 | 2839601.2695 |
| 39 | 296860.09034 | 2839601.68379 |
| 40 | 296858.762332 | 2839601.85489 |
| 41 | 296858.05146 | 2839602.14449 |
| 42 | 296856.469748 | 2839602.4804 |
| 43 | 296855.551997 | 2839602.73092 |
| 44 | 296854.127378 | 2839603.31107 |
| 45 | 296852.955026 | 2839603.72682 |
| 46 | 296851.781864 | 2839604.14278 |
| 47 | 296850.861773 | 2839604.39384 |
| 48 | 296849.226861 | 2839604.93605 |
| 49 | 296847.335912 | 2839605.64411 |
| 50 | 296845.697764 | 2839606.18737 |
| 51 | 296845.029843 | 2839606.27363 |
| 52 | 296843.389717 | 2839606.81742 |
| 53 | 296842.00365 | 2839607.19598 |
| 54 | 296839.691469 | 2839607.82738 |
| 55 | 296839.29942 | 2839607.93443 |
| 56 | 296904.841061 | 2839643.26529 |
| 57 | 296936.702415 | 2839660.94056 |
| 58 | 296944.050007 | 2839665.82751 |
| 59 | 296957.258575 | 2839674.95739 |
| 60 | 296970.308135 | 2839685.14204 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 61 | 296977.189308 | 2839691.45787 |
| 62 | 296977.532587 | 2839690.24663 |
| 63 | 296977.751204 | 2839689.19894 |
| 64 | 296977.925894 | 2839688.36168 |
| 65 | 296978.559948 | 2839687.39582 |
| 66 | 296979.323709 | 2839685.80486 |
| 67 | 296980.129216 | 2839684.00857 |
| 68 | 296980.561717 | 2839681.9285 |
| 69 | 296980.820745 | 2839680.68267 |
| 70 | 296981.122514 | 2839679.23151 |
| 71 | 296981.423681 | 2839677.78235 |
| 72 | 296981.767519 | 2839676.12925 |
| 73 | 296981.939136 | 2839675.3036 |
| 74 | 296982.110584 | 2839674.47875 |
| 75 | 296982.324777 | 2839673.44886 |
| 76 | 296982.048348 | 2839671.68476 |
| 77 | 296981.892823 | 2839670.37363 |
| 78 | 296981.57427 | 2839668.81974 |
| 79 | 296981.290914 | 2839668.12641 |
| 80 | 296981.093431 | 2839667.02449 |
| 81 | 296980.853299 | 2839666.12791 |
| 82 | 296980.364893 | 2839665.39696 |
| 83 | 296980.125325 | 2839664.50186 |
| 84 | 296979.851937 | 2839662.75356 |
| 85 | 296979.374058 | 2839660.96883 |
| 86 | 296979.135364 | 2839660.07771 |
| 87 | 296978.368099 | 2839658.66402 |
| 88 | 296978.215993 | 2839657.36977 |
| 89 | 296978.031084 | 2839655.22979 |
| 90 | 296977.67515 | 2839653.90099 |
| 91 | 296977.201215 | 2839652.13204 |
| 92 | 296976.93213 | 2839650.4053 |
| 93 | 296976.942725 | 2839649.36188 |
| 94 | 296976.910344 | 2839648.52012 |
| 95 | 296976.920789 | 2839647.4787 |
| 96 | 296976.974163 | 2839646.23831 |
| 97 | 296976.663224 | 2839644.72178 |
| 98 | 296976.54543 | 2839644.28332 |
| 99 | 296976.235352 | 2839642.76986 |
| 100 | 296976.000156 | 2839641.89493 |
| 101 | 296975.605176 | 2839640.78278 |
| 102 | 296974.976237 | 2839638.79975 |
| 103 | 296974.86101 | 2839638.49369 |
| 104 | 296966.648033 | 2839632.81686 |
| 105 | 296966.352159 | 2839632.61611 |
| 106 | 296958.186102 | 2839627.18481 |
| 107 | 296956.828013 | 2839626.35744 |
| 108 | 296924.750825 | 2839608.56265 |
| 109 | 296923.875263 | 2839608.39478 |
| 110 | 296923.093832 | 2839608.03343 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 111 | 296922.273252 | 2839607.87608 |
| 112 | 296921.326617 | 2839607.27162 |
| 113 | 296920.301054 | 2839607.07515 |
| 114 | 296919.520348 | 2839606.714 |
| 115 | 296918.32976 | 2839606.27431 |
| 116 | 296917.549421 | 2839605.91355 |
| 117 | 296916.809227 | 2839605.34908 |
| 118 | 296915.824533 | 2839604.94899 |
| 119 | 296914.880083 | 2839604.3458 |
| 120 | 296914.181228 | 2839603.57891 |
| 121 | 296913.15693 | 2839603.38252 |
| 122 | 296912.213574 | 2839602.7799 |
| 123 | 296911.025351 | 2839602.34137 |
| 124 | 296910.042114 | 2839601.94206 |
| 125 | 296908.895316 | 2839601.30081 |
| 126 | 296908.281082 | 2839601.18305 |
| 127 | 296907.257419 | 2839600.98685 |
| 128 | 296906.233755 | 2839600.79055 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 296995.551064 | 2839654.09728 |
| 2 | 296985.63126 | 2839646.35525 |
| 3 | 296985.446515 | 2839647.2379 |
| 4 | 296985.279035 | 2839648.03877 |
| 5 | 296985.069382 | 2839649.04079 |
| 6 | 296984.817571 | 2839650.24485 |
| 7 | 296984.607503 | 2839651.24927 |
| 8 | 296984.355014 | 2839652.45622 |
| 9 | 296984.228686 | 2839653.06015 |
| 10 | 296984.426467 | 2839654.14613 |
| 11 | 296984.540125 | 2839655.63707 |
| 12 | 296984.780466 | 2839656.52369 |
| 13 | 296984.858531 | 2839657.16953 |
| 14 | 296985.099255 | 2839658.05754 |
| 15 | 296985.539044 | 2839660.03877 |
| 16 | 296985.738296 | 2839661.13239 |
| 17 | 296986.100685 | 2839662.40996 |
| 18 | 296986.54773 | 2839663.40194 |
| 19 | 296987.032336 | 2839665.18966 |
| 20 | 296987.480412 | 2839666.12412 |
| 21 | 296987.63927 | 2839667.42883 |
| 22 | 296988.167818 | 2839669.01896 |
| 23 | 296988.205429 | 2839669.87789 |
| 24 | 296988.449125 | 2839670.7772 |
| 25 | 296988.402816 | 2839672.04847 |
| 26 | 296988.688915 | 2839672.74405 |
| 27 | 296988.6048 | 2839673.15541 |
| 28 | 296988.971319 | 2839674.50906 |
| 29 | 296989.173884 | 2839675.61857 |
| 30 | 296989.254218 | 2839676.27694 |
| 31 | 296989.372911 | 2839677.60189 |
| 32 | 296989.369191 | 2839678.8756 |
| 33 | 296989.572374 | 2839679.99009 |
| 34 | 296989.488124 | 2839680.40443 |
| 35 | 296989.856599 | 2839681.76792 |
| 36 | 296989.772361 | 2839682.18306 |
| 37 | 296989.810964 | 2839683.05373 |
| 38 | 296989.84967 | 2839683.92519 |
| 39 | 296989.635201 | 2839686.04737 |
| 40 | 296989.423919 | 2839687.09047 |
| 41 | 296989.399147 | 2839687.21282 |
| 42 | 296989.944809 | 2839687.31748 |
| 43 | 296991.383866 | 2839687.59333 |
| 44 | 296992.823015 | 2839687.86918 |
| 45 | 296993.439781 | 2839687.98751 |
| 46 | 296994.056547 | 2839688.10573 |
| 47 | 296995.446235 | 2839688.58453 |
| 48 | 296996.326226 | 2839689.39091 |
| 49 | 296996.737555 | 2839689.46982 |
| 50 | 296998.12815 | 2839689.94891 |
| 51 | 296999.058512 | 2839690.55282 |
| 52 | 296999.626816 | 2839690.87438 |
| 53 | 297000.655635 | 2839691.0717 |
| 54 | 297001.998504 | 2839691.75491 |
| 55 | 297002.978955 | 2839692.15577 |
| 56 | 297004.008134 | 2839692.35298 |
| 57 | 297005.509711 | 2839693.2799 |
| 58 | 297006.49098 | 2839693.68115 |
| 59 | 297007.266451 | 2839694.04298 |
| 60 | 297008.405976 | 2839694.68784 |
| 61 | 297009.800026 | 2839695.16847 |
| 62 | 297011.194347 | 2839695.6491 |
| 63 | 297012.795102 | 2839696.16932 |
| 64 | 297013.778008 | 2839696.57124 |
| 65 | 297014.554842 | 2839696.93365 |
| 66 | 297016.109235 | 2839697.65867 |
| 67 | 297017.045601 | 2839698.26558 |
| 68 | 297017.776261 | 2839698.83319 |
| 69 | 297018.395016 | 2839698.95168 |
| 70 | 297020.476549 | 2839700.20636 |
| 71 | 297021.255022 | 2839700.56964 |
| 72 | 297022.193572 | 2839701.17762 |
| 73 | 297023.339012 | 2839701.82558 |
| 74 | 297024.278385 | 2839702.43424 |
| 75 | 297026.090751 | 2839702.99607 |
| 76 | 297026.870676 | 2839703.35983 |
| 77 | 297027.398093 | 2839703.88989 |
| 78 | 297028.798229 | 2839704.37292 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 79 | 297029.739603 | 2839704.98255 |
| 80 | 297031.30146 | 2839705.71144 |
| 81 | 297032.359305 | 2839706.7736 |
| 82 | 297033.716004 | 2839707.46367 |
| 83 | 297034.08425 | 2839707.74922 |
| 84 | 297035.558152 | 2839708.89252 |
| 85 | 297035.881518 | 2839709.38523 |
| 86 | 297036.573865 | 2839710.16439 |
| 87 | 297037.474008 | 2839710.98362 |
| 88 | 297038.536801 | 2839712.05049 |
| 89 | 297039.645567 | 2839712.91077 |
| 90 | 297040.132867 | 2839713.6524 |
| 91 | 297041.686353 | 2839715.46434 |
| 92 | 297042.753091 | 2839716.53523 |
| 93 | 297043.702228 | 2839717.15062 |
| 94 | 297044.770523 | 2839718.22299 |
| 95 | 297045.720756 | 2839718.83915 |
| 96 | 297046.167051 | 2839719.79337 |
| 97 | 297047.237638 | 2839720.868 |
| 98 | 297047.729263 | 2839721.61494 |
| 99 | 297048.429318 | 2839722.40215 |
| 100 | 297049.293955 | 2839723.43927 |
| 101 | 297050.038871 | 2839724.01802 |
| 102 | 297050.367665 | 2839724.51733 |
| 103 | 297051.2778 | 2839725.34637 |
| 104 | 297051.650898 | 2839725.63623 |
| 105 | 297052.682873 | 2839726.92639 |
| 106 | 297053.551094 | 2839727.96764 |
| 107 | 297053.75979 | 2839728.0075 |
| 108 | 297054.585276 | 2839729.26036 |
| 109 | 297055.577187 | 2839730.76558 |
| 110 | 297057.075168 | 2839731.93043 |
| 111 | 297057.658882 | 2839732.26182 |
| 112 | 297058.488142 | 2839733.5193 |
| 113 | 297059.989051 | 2839734.6867 |
| 114 | 297060.364619 | 2839734.97872 |
| 115 | 297061.115669 | 2839735.56296 |
| 116 | 297062.200291 | 2839736.65191 |
| 117 | 297063.704856 | 2839737.82214 |
| 118 | 297064.624524 | 2839738.66051 |
| 119 | 297064.791586 | 2839738.91316 |
| 120 | 297065.83679 | 2839740.21807 |
| 121 | 297066.715755 | 2839741.27101 |
| 122 | 297067.637806 | 2839742.11163 |
| 123 | 297068.096402 | 2839743.08576 |
| 124 | 297068.433824 | 2839743.59334 |
| 125 | 297069.188797 | 2839745.29093 |
| 126 | 297070.113069 | 2839747.24582 |
| 127 | 297071.08126 | 2839748.98968 |
| 128 | 297072.092716 | 2839750.52111 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 129 | 297072.262435 | 2839751.89292 |
| 130 | 297072.727141 | 2839752.87605 |
| 131 | 297073.192402 | 2839753.85998 |
| 132 | 297073.616091 | 2839755.06078 |
| 133 | 297074.293338 | 2839756.08721 |
| 134 | 297074.929564 | 2839757.33111 |
| 135 | 297075.460201 | 2839757.88562 |
| 136 | 297076.200867 | 2839758.69793 |
| 137 | 297077.133496 | 2839759.55124 |
| 138 | 297077.855261 | 2839760.36453 |
| 139 | 297078.49472 | 2839761.61316 |
| 140 | 297079.470658 | 2839762.25096 |
| 141 | 297080.193986 | 2839763.06612 |
| 142 | 297081.471439 | 2839764.43952 |
| 143 | 297082.408105 | 2839765.29696 |
| 144 | 297083.133452 | 2839766.11418 |
| 145 | 297083.859168 | 2839766.93199 |
| 146 | 297084.373206 | 2839767.70969 |
| 147 | 297084.846612 | 2839768.70664 |
| 148 | 297085.614619 | 2839769.30737 |
| 149 | 297086.64528 | 2839770.86651 |
| 150 | 297086.907854 | 2839771.82553 |
| 151 | 297087.079819 | 2839772.08588 |
| 152 | 297088.112798 | 2839773.64898 |
| 153 | 297088.853158 | 2839775.61386 |
| 154 | 297089.157764 | 2839776.35669 |
| 155 | 297089.808062 | 2839777.62319 |
| 156 | 297090.499528 | 2839778.67013 |
| 157 | 297090.978235 | 2839779.67717 |
| 158 | 297091.417081 | 2839780.90654 |
| 159 | 297091.590341 | 2839781.16897 |
| 160 | 297092.67079 | 2839782.52296 |
| 161 | 297093.365125 | 2839783.57444 |
| 162 | 297093.886293 | 2839784.36369 |
| 163 | 297094.193881 | 2839785.11256 |
| 164 | 297094.889608 | 2839786.1665 |
| 165 | 297095.626018 | 2839786.9986 |
| 166 | 297096.36289 | 2839787.83139 |
| 167 | 297096.925851 | 2839788.40057 |
| 168 | 297097.409567 | 2839789.4163 |
| 169 | 297098.147819 | 2839790.25076 |
| 170 | 297099.196805 | 2839791.83902 |
| 171 | 297099.546744 | 2839792.3689 |
| 172 | 297100.462035 | 2839793.47071 |
| 173 | 297100.694115 | 2839794.67425 |
| 174 | 297101.180812 | 2839795.69592 |
| 175 | 297101.49249 | 2839796.45239 |
| 176 | 297101.589229 | 2839797.16821 |
| 177 | 297101.947652 | 2839798.4599 |
| 178 | 297102.736352 | 2839798.82513 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 179 | 297102.937439 | 2839797.95369 |
| 180 | 297103.186553 | 2839796.87414 |
| 181 | 297103.435328 | 2839795.79599 |
| 182 | 297103.683847 | 2839794.71884 |
| 183 | 297103.981753 | 2839793.42798 |
| 184 | 297104.229683 | 2839792.35363 |
| 185 | 297104.315684 | 2839791.02555 |
| 186 | 297103.979701 | 2839789.61842 |
| 187 | 297104.177681 | 2839788.76227 |
| 188 | 297104.37549 | 2839787.90683 |
| 189 | 297104.151663 | 2839786.97143 |
| 190 | 297104.448102 | 2839785.69095 |
| 191 | 297104.421991 | 2839783.90579 |
| 192 | 297104.569924 | 2839783.26745 |
| 193 | 297104.606077 | 2839782.16425 |
| 194 | 297104.950579 | 2839780.67796 |
| 195 | 297105.196289 | 2839779.61789 |
| 196 | 297105.441746 | 2839778.55903 |
| 197 | 297105.735923 | 2839777.29005 |
| 198 | 297106.078648 | 2839775.81156 |
| 199 | 297106.274198 | 2839774.96781 |
| 200 | 297106.420778 | 2839774.33547 |
| 201 | 297106.664881 | 2839773.2825 |
| 202 | 297106.908733 | 2839772.23083 |
| 203 | 297107.200872 | 2839770.97036 |
| 204 | 297106.977919 | 2839770.05079 |
| 205 | 297106.546465 | 2839769.09216 |
| 206 | 297106.789845 | 2839768.04508 |
| 207 | 297107.081435 | 2839766.78999 |
| 208 | 297107.324223 | 2839765.74552 |
| 209 | 297107.469722 | 2839765.11927 |
| 210 | 297108.128213 | 2839764.15654 |
| 211 | 297108.73779 | 2839763.40292 |
| 212 | 297109.394954 | 2839762.442 |
| 213 | 297109.795498 | 2839761.65002 |
| 214 | 297110.084065 | 2839760.40395 |
| 215 | 297110.420334 | 2839758.95206 |
| 216 | 297110.557248 | 2839758.36093 |
| 217 | 297110.523867 | 2839758.34549 |
| 218 | 297101.506681 | 2839753.3068 |
| 219 | 297092.765904 | 2839747.79293 |
| 220 | 297082.569811 | 2839740.30738 |
| 221 | 297073.426357 | 2839732.51655 |
| 222 | 297061.176686 | 2839720.72017 |
| 223 | 297039.902404 | 2839698.32448 |
| 224 | 297014.681128 | 2839671.63747 |
| 225 | 297013.669156 | 2839670.64008 |
| 226 | 296996.76985 | 2839655.12937 |
| 227 | 296995.865856 | 2839654.34807 |

POLÍGONO: Ejido San José del Barranco_73

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 296988.840557 | 2839691.7905 |
| 2 | 296988.522183 | 2839691.54166 |
| 3 | 296988.321307 | 2839692.53288 |
| 4 | 296987.606326 | 2839693.92369 |
| 5 | 296986.975888 | 2839694.89567 |
| 6 | 296986.258978 | 2839696.2903 |
| 7 | 296985.460907 | 2839697.01372 |
| 8 | 296984.575921 | 2839698.1603 |
| 9 | 296984.527562 | 2839698.19313 |
| 10 | 296986.094672 | 2839699.63145 |
| 11 | 297010.867793 | 2839725.84424 |
| 12 | 297032.478691 | 2839748.59429 |
| 13 | 297033.106013 | 2839749.22595 |
| 14 | 297046.11568 | 2839761.75439 |
| 15 | 297047.017869 | 2839762.57179 |
| 16 | 297057.175854 | 2839771.22692 |
| 17 | 297057.52695 | 2839771.51921 |
| 18 | 297058.311119 | 2839772.12546 |
| 19 | 297069.660552 | 2839780.45775 |
| 20 | 297070.826192 | 2839781.25189 |
| 21 | 297080.612493 | 2839787.42501 |
| 22 | 297081.527111 | 2839787.96868 |
| 23 | 297091.683396 | 2839793.64386 |
| 24 | 297093.023355 | 2839794.32672 |
| 25 | 297093.716095 | 2839794.64758 |
| 26 | 297092.704895 | 2839793.37473 |
| 27 | 297091.926493 | 2839792.76152 |
| 28 | 297091.403782 | 2839791.96581 |
| 29 | 297090.666677 | 2839791.12964 |
| 30 | 297090.144705 | 2839790.33502 |
| 31 | 297089.194117 | 2839789.45876 |
| 32 | 297088.325854 | 2839788.1367 |
| 33 | 297087.631894 | 2839787.08024 |
| 34 | 297086.683508 | 2839786.20634 |
| 35 | 297085.257958 | 2839784.31999 |
| 36 | 297085.340122 | 2839783.87539 |
| 37 | 297084.303474 | 2839782.2968 |
| 38 | 297083.654525 | 2839781.024 |
| 39 | 297082.792641 | 2839779.71161 |
| 40 | 297082.276028 | 2839778.92498 |
| 41 | 297082.145181 | 2839778.44178 |
| 42 | 297081.243728 | 2839777.35321 |
| 43 | 297080.900028 | 2839776.82981 |
| 44 | 297080.254515 | 2839775.56323 |
| 45 | 297079.656536 | 2839775.2202 |
| 46 | 297078.627746 | 2839773.65356 |
| 47 | 297077.7715 | 2839772.34965 |
| 48 | 297076.020161 | 2839769.96564 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 49 | 297075.295393 | 2839769.14493 |
| 50 | 297074.613166 | 2839768.10582 |
| 51 | 297073.76126 | 2839766.80822 |
| 52 | 297073.463063 | 2839766.07117 |
| 53 | 297072.358137 | 2839764.95352 |
| 54 | 297071.084538 | 2839763.57827 |
| 55 | 297070.236322 | 2839762.28579 |
| 56 | 297069.558434 | 2839761.2529 |
| 57 | 297069.21972 | 2839760.7367 |
| 58 | 297068.797185 | 2839759.5287 |
| 59 | 297068.289815 | 2839758.75598 |
| 60 | 297067.741846 | 2839757.07626 |
| 61 | 297066.646273 | 2839754.84546 |
| 62 | 297066.266563 | 2839754.54832 |
| 63 | 297065.889606 | 2839753.13155 |
| 64 | 297065.427505 | 2839752.14758 |
| 65 | 297064.840721 | 2839750.69366 |
| 66 | 297064.5047 | 2839750.1824 |
| 67 | 297063.540618 | 2839748.43559 |
| 68 | 297062.492186 | 2839747.12037 |
| 69 | 297061.822549 | 2839746.1014 |
| 70 | 297061.406947 | 2839744.90984 |
| 71 | 297060.484943 | 2839744.06643 |
| 72 | 297060.027302 | 2839743.09066 |
| 73 | 297059.230053 | 2839742.7159 |
| 74 | 297058.89653 | 2839742.20849 |
| 75 | 297057.643658 | 2839740.86002 |
| 76 | 297057.100812 | 2839740.31306 |
| 77 | 297056.059562 | 2839739.00689 |
| 78 | 297054.809817 | 2839737.66216 |
| 79 | 297053.439738 | 2839735.8544 |
| 80 | 297052.524063 | 2839735.01737 |
| 81 | 297051.983786 | 2839734.47306 |
| 82 | 297051.609028 | 2839734.18093 |
| 83 | 297050.276154 | 2839733.26488 |
| 84 | 297049.406763 | 2839732.21807 |
| 85 | 297048.614346 | 2839731.84633 |
| 86 | 297047.910842 | 2839731.05209 |
| 87 | 297046.789947 | 2839730.17814 |
| 88 | 297045.99844 | 2839729.80668 |
| 89 | 297044.878464 | 2839728.93391 |
| 90 | 297043.759397 | 2839728.06143 |
| 91 | 297043.013719 | 2839727.4801 |
| 92 | 297041.478448 | 2839726.52868 |
| 93 | 297040.40659 | 2839725.4477 |
| 94 | 297040.034392 | 2839725.15762 |
| 95 | 297039.127132 | 2839724.32764 |
| 96 | 297038.220512 | 2839723.49825 |
| 97 | 297037.522781 | 2839722.70951 |
| 98 | 297036.155115 | 2839722.01083 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 99 | 297035.295806 | 2839720.97374 |
| 100 | 297033.950129 | 2839719.19101 |
| 101 | 297032.884963 | 2839718.11661 |
| 102 | 297031.081073 | 2839716.46685 |
| 103 | 297030.133916 | 2839715.85113 |
| 104 | 297029.395004 | 2839715.27528 |
| 105 | 297028.610148 | 2839714.90791 |
| 106 | 297027.595508 | 2839713.62944 |
| 107 | 297026.764974 | 2839713.47024 |
| 108 | 297025.819734 | 2839712.85579 |
| 109 | 297024.82845 | 2839712.44922 |
| 110 | 297023.930891 | 2839711.62776 |
| 111 | 297022.779497 | 2839710.97431 |
| 112 | 297021.883127 | 2839710.15383 |
| 113 | 297020.779969 | 2839709.29416 |
| 114 | 297019.884789 | 2839708.47476 |
| 115 | 297018.416012 | 2839707.33009 |
| 116 | 297017.522298 | 2839706.51206 |
| 117 | 297016.78887 | 2839705.94051 |
| 118 | 297015.848738 | 2839705.32947 |
| 119 | 297014.590412 | 2839704.22733 |
| 120 | 297013.237696 | 2839703.53789 |
| 121 | 297012.45812 | 2839703.17333 |
| 122 | 297011.981379 | 2839702.43721 |
| 123 | 297010.423505 | 2839701.70696 |
| 124 | 297010.058071 | 2839701.42426 |
| 125 | 297009.072882 | 2839701.02069 |
| 126 | 297007.977851 | 2839700.16698 |
| 127 | 297007.151393 | 2839700.00861 |
| 128 | 297005.595702 | 2839699.28142 |
| 129 | 297004.866746 | 2839698.71299 |
| 130 | 297003.883011 | 2839698.31 |
| 131 | 297002.741826 | 2839697.66287 |
| 132 | 297001.030957 | 2839696.69251 |
| 133 | 296999.635628 | 2839696.211 |
| 134 | 296998.083485 | 2839695.48556 |
| 135 | 296997.258294 | 2839695.32737 |
| 136 | 296996.276378 | 2839694.92524 |
| 137 | 296995.088302 | 2839694.48372 |
| 138 | 296993.694335 | 2839694.00269 |
| 139 | 296992.350624 | 2839693.3176 |
| 140 | 296991.525977 | 2839693.15961 |
| 141 | 296991.007552 | 2839692.633 |
| 142 | 296989.614766 | 2839692.15246 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 297440.201941 | 2839799.5234 |
| 2 | 297433.636732 | 2839792.90716 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 3 | 297432.281617 | 2839791.66176 |
| 4 | 297427.454851 | 2839787.6192 |
| 5 | 297427.233683 | 2839787.43653 |
| 6 | 297426.380853 | 2839786.78018 |
| 7 | 297420.838759 | 2839782.74725 |
| 8 | 297418.805366 | 2839781.44763 |
| 9 | 297418.67093 | 2839781.37345 |
| 10 | 297413.027108 | 2839778.28548 |
| 11 | 297411.455133 | 2839777.51275 |
| 12 | 297404.268152 | 2839774.36283 |
| 13 | 297402.79262 | 2839773.78465 |
| 14 | 297401.647825 | 2839773.42573 |
| 15 | 297393.054231 | 2839771.01219 |
| 16 | 297391.0261 | 2839770.55475 |
| 17 | 297383.246909 | 2839769.22086 |
| 18 | 297383.038658 | 2839769.18627 |
| 19 | 297381.78209 | 2839769.02508 |
| 20 | 297380.517708 | 2839768.94363 |
| 21 | 297373.081213 | 2839768.70139 |
| 22 | 297372.124566 | 2839768.69317 |
| 23 | 297370.862871 | 2839768.75229 |
| 24 | 297363.461979 | 2839769.33372 |
| 25 | 297361.470682 | 2839769.59133 |
| 26 | 297353.07338 | 2839771.10946 |
| 27 | 297352.858049 | 2839771.14951 |
| 28 | 297351.395872 | 2839771.48773 |
| 29 | 297340.742586 | 2839774.37714 |
| 30 | 297338.851135 | 2839774.99276 |
| 31 | 297337.670498 | 2839775.48672 |
| 32 | 297315.057506 | 2839785.8119 |
| 33 | 297314.753059 | 2839785.95407 |
| 34 | 297301.245668 | 2839792.39782 |
| 35 | 297286.308355 | 2839799.44578 |
| 36 | 297278.06081 | 2839803.09243 |
| 37 | 297272.518183 | 2839805.04176 |
| 38 | 297267.145836 | 2839806.66233 |
| 39 | 297261.535699 | 2839807.71563 |
| 40 | 297257.419522 | 2839808.0639 |
| 41 | 297254.496409 | 2839807.92209 |
| 42 | 297246.33895 | 2839806.86402 |
| 43 | 297239.838352 | 2839805.3359 |
| 44 | 297212.170336 | 2839796.06471 |
| 45 | 297147.596604 | 2839773.31366 |
| 46 | 297129.23268 | 2839766.6082 |
| 47 | 297120.751527 | 2839763.08239 |
| 48 | 297114.473018 | 2839760.17454 |
| 49 | 297114.094963 | 2839761.82337 |
| 50 | 297113.952043 | 2839762.44699 |
| 51 | 297113.618103 | 2839763.90352 |
| 52 | 297113.171187 | 2839764.90557 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 53 | 297112.467664 | 2839766.07747 |
| 54 | 297111.971416 | 2839767.29094 |
| 55 | 297111.570852 | 2839768.0875 |
| 56 | 297111.330265 | 2839769.13414 |
| 57 | 297110.671941 | 2839770.10195 |
| 58 | 297110.52721 | 2839770.73117 |
| 59 | 297109.868013 | 2839771.7009 |
| 60 | 297109.577598 | 2839772.96195 |
| 61 | 297109.28676 | 2839774.2249 |
| 62 | 297108.898353 | 2839775.91136 |
| 63 | 297108.752509 | 2839776.54459 |
| 64 | 297108.46057 | 2839777.81223 |
| 65 | 297108.216991 | 2839778.86998 |
| 66 | 297107.875507 | 2839780.35283 |
| 67 | 297107.79235 | 2839781.66612 |
| 68 | 297107.694617 | 2839782.09074 |
| 69 | 297107.401077 | 2839783.36598 |
| 70 | 297107.156239 | 2839784.42992 |
| 71 | 297106.960095 | 2839785.28205 |
| 72 | 297106.763872 | 2839786.13498 |
| 73 | 297106.742909 | 2839788.13741 |
| 74 | 297106.918631 | 2839789.2877 |
| 75 | 297106.947234 | 2839791.08229 |
| 76 | 297106.961419 | 2839791.98083 |
| 77 | 297107.137658 | 2839793.1354 |
| 78 | 297106.94073 | 2839793.99531 |
| 79 | 297106.694177 | 2839795.07114 |
| 80 | 297106.658968 | 2839796.18877 |
| 81 | 297106.88482 | 2839797.13261 |
| 82 | 297107.32264 | 2839798.11775 |
| 83 | 297107.874188 | 2839799.5771 |
| 84 | 297108.100989 | 2839800.52391 |
| 85 | 297108.111295 | 2839801.15096 |
| 86 | 297114.281774 | 2839803.71626 |
| 87 | 297115.099572 | 2839804.0354 |
| 88 | 297133.982405 | 2839810.93022 |
| 89 | 297134.196088 | 2839811.00697 |
| 90 | 297150.567286 | 2839816.77487 |
| 91 | 297151.479919 | 2839816.69256 |
| 92 | 297153.159265 | 2839817.01438 |
| 93 | 297154.939255 | 2839816.91284 |
| 94 | 297155.828981 | 2839816.86218 |
| 95 | 297157.347871 | 2839816.93204 |
| 96 | 297159.3858 | 2839816.65915 |
| 97 | 297160.953299 | 2839816.5175 |
| 98 | 297161.521311 | 2839815.96353 |
| 99 | 297162.458656 | 2839815.70167 |
| 100 | 297163.346305 | 2839815.65104 |
| 101 | 297164.541595 | 2839815.21822 |
| 102 | 297166.154919 | 2839814.86611 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 103 | 297166.880954 | 2839814.56454 |
| 104 | 297167.606631 | 2839814.26316 |
| 105 | 297169.169085 | 2839814.1223 |
| 106 | 297170.151541 | 2839813.65048 |
| 107 | 297171.760816 | 2839813.29933 |
| 108 | 297174.09208 | 2839812.64776 |
| 109 | 297175.232817 | 2839812.42744 |
| 110 | 297176.211861 | 2839811.95697 |
| 111 | 297176.933763 | 2839811.65675 |
| 112 | 297179.144868 | 2839810.54733 |
| 113 | 297181.096948 | 2839809.60908 |
| 114 | 297182.582656 | 2839808.80162 |
| 115 | 297183.92678 | 2839808.62264 |
| 116 | 297185.524994 | 2839808.27455 |
| 117 | 297187.330461 | 2839807.96664 |
| 118 | 297188.417883 | 2839807.9572 |
| 119 | 297189.921338 | 2839808.02751 |
| 120 | 297190.546066 | 2839808.14731 |
| 121 | 297191.678612 | 2839807.92881 |
| 122 | 297192.556889 | 2839807.87952 |
| 123 | 297194.475473 | 2839808.02958 |
| 124 | 297195.561358 | 2839808.02006 |
| 125 | 297196.438913 | 2839807.97078 |
| 126 | 297197.524347 | 2839807.96128 |
| 127 | 297199.53129 | 2839807.69374 |
| 128 | 297200.24465 | 2839807.39595 |
| 129 | 297201.536791 | 2839807.42633 |
| 130 | 297202.620873 | 2839807.41704 |
| 131 | 297203.868063 | 2839807.65599 |
| 132 | 297204.491615 | 2839807.77561 |
| 133 | 297206.154568 | 2839808.0945 |
| 134 | 297206.986088 | 2839808.2538 |
| 135 | 297207.401758 | 2839808.33345 |
| 136 | 297208.64904 | 2839808.57259 |
| 137 | 297209.480561 | 2839808.73199 |
| 138 | 297211.351394 | 2839809.09065 |
| 139 | 297212.182915 | 2839809.25005 |
| 140 | 297213.135584 | 2839809.86709 |
| 141 | 297213.837512 | 2839810.65368 |
| 142 | 297215.164174 | 2839811.56047 |
| 143 | 297215.616011 | 2839812.5178 |
| 144 | 297216.276461 | 2839813.51569 |
| 145 | 297217.268337 | 2839815.01435 |
| 146 | 297218.01024 | 2839816.68554 |
| 147 | 297218.753265 | 2839818.3593 |
| 148 | 297219.122497 | 2839819.7445 |
| 149 | 297219.197399 | 2839821.51427 |
| 150 | 297219.653254 | 2839822.4805 |
| 151 | 297219.938282 | 2839824.29529 |
| 152 | 297220.18566 | 2839825.22396 |
| 153 | 297220.180724 | 2839826.32568 |
| 154 | 297220.342779 | 2839827.68156 |
| 155 | 297220.295081 | 2839828.99919 |
| 156 | 297220.538665 | 2839831.03933 |
| 157 | 297220.619963 | 2839831.7202 |
| 158 | 297220.486494 | 2839833.47123 |
| 159 | 297220.438823 | 2839834.79653 |
| 160 | 297220.477198 | 2839835.6946 |
| 161 | 297220.553984 | 2839837.49314 |
| 162 | 297220.635623 | 2839838.1786 |
| 163 | 297220.506399 | 2839838.82402 |
| 164 | 297220.626399 | 2839840.41263 |
| 165 | 297220.822785 | 2839841.15443 |
| 166 | 297228.005477 | 2839843.56121 |
| 167 | 297229.782997 | 2839844.0669 |
| 168 | 297238.17704 | 2839846.04014 |
| 169 | 297239.582505 | 2839846.31782 |
| 170 | 297240.181984 | 2839846.40483 |
| 171 | 297250.15001 | 2839847.69763 |
| 172 | 297251.753278 | 2839847.84036 |
| 173 | 297256.809828 | 2839848.0857 |
| 174 | 297258.084574 | 2839848.10688 |
| 175 | 297259.465236 | 2839848.03796 |
| 176 | 297265.917788 | 2839847.49208 |
| 177 | 297267.922396 | 2839847.21981 |
| 178 | 297275.625686 | 2839845.7736 |
| 179 | 297277.67051 | 2839845.27242 |
| 180 | 297284.504883 | 2839843.21068 |
| 181 | 297285.363551 | 2839842.93021 |
| 182 | 297292.070655 | 2839840.57157 |
| 183 | 297292.562103 | 2839840.39146 |
| 184 | 297293.523597 | 2839839.99581 |
| 185 | 297302.71306 | 2839835.9327 |
| 186 | 297303.159529 | 2839835.72867 |
| 187 | 297318.407506 | 2839828.53407 |
| 188 | 297331.825651 | 2839822.13275 |
| 189 | 297352.795573 | 2839812.55775 |
| 190 | 297361.037127 | 2839810.32241 |
| 191 | 297367.597786 | 2839809.13646 |
| 192 | 297368.954034 | 2839809.02986 |
| 193 | 297369.155906 | 2839808.81223 |
| 194 | 297369.972891 | 2839808.09053 |
| 195 | 297370.99795 | 2839807.40961 |
| 196 | 297371.557355 | 2839806.65927 |
| 197 | 297372.789679 | 2839806.21933 |
| 198 | 297373.25408 | 2839806.08947 |
| 199 | 297374.182611 | 2839805.82975 |
| 200 | 297375.667952 | 2839805.62123 |
| 201 | 297376.386712 | 2839804.72206 |
| 202 | 297377.52196 | 2839804.50294 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 203 | 297378.240002 | 2839804.20398 |
| 204 | 297379.420559 | 2839803.7759 |
| 205 | 297380.392154 | 2839803.30805 |
| 206 | 297381.31709 | 2839803.04949 |
| 207 | 297382.241668 | 2839802.79113 |
| 208 | 297382.703732 | 2839802.662 |
| 209 | 297384.343027 | 2839802.10584 |
| 210 | 297385.311572 | 2839801.63933 |
| 211 | 297387.409518 | 2839800.95519 |
| 212 | 297388.33104 | 2839800.69777 |
| 213 | 297389.504949 | 2839800.27198 |
| 214 | 297390.173095 | 2839800.18326 |
| 215 | 297391.508663 | 2839800.00572 |
| 216 | 297392.428566 | 2839799.74873 |
| 217 | 297393.140411 | 2839799.45207 |
| 218 | 297394.430208 | 2839799.4828 |
| 219 | 297395.34894 | 2839799.22603 |
| 220 | 297396.682074 | 2839799.04883 |
| 221 | 297397.807245 | 2839798.83216 |
| 222 | 297399.302843 | 2839798.9027 |
| 223 | 297400.383499 | 2839798.89378 |
| 224 | 297401.627514 | 2839799.1322 |
| 225 | 297402.871712 | 2839799.37071 |
| 226 | 297404.11591 | 2839799.60922 |
| 227 | 297404.530583 | 2839799.68879 |
| 228 | 297406.189541 | 2839800.00667 |
| 229 | 297407.226314 | 2839800.2055 |
| 230 | 297408.263174 | 2839800.40422 |
| 231 | 297409.507282 | 2839800.64274 |
| 232 | 297410.956816 | 2839800.92103 |
| 233 | 297411.788251 | 2839801.08008 |
| 234 | 297413.654455 | 2839801.43774 |
| 235 | 297414.276554 | 2839801.557 |
| 236 | 297415.520662 | 2839801.79561 |
| 237 | 297417.386958 | 2839802.15338 |
| 238 | 297418.423728 | 2839802.35211 |
| 239 | 297419.211634 | 2839802.71926 |
| 240 | 297420.207058 | 2839803.12629 |
| 241 | 297420.580474 | 2839803.41407 |
| 242 | 297421.742615 | 2839804.06948 |
| 243 | 297423.071477 | 2839804.97347 |
| 244 | 297423.860565 | 2839805.3412 |
| 245 | 297425.190794 | 2839806.24607 |
| 246 | 297426.314237 | 2839807.11164 |
| 247 | 297426.815135 | 2839807.85836 |
| 248 | 297427.77268 | 2839808.47603 |
| 249 | 297428.441495 | 2839809.47281 |
| 250 | 297428.943592 | 2839810.2211 |
| 251 | 297429.862087 | 2839811.04964 |
| 252 | 297430.324503 | 2839812.00891 |
| 253 | 297430.619557 | 2839812.71891 |
| 254 | 297430.9148 | 2839813.4295 |
| 255 | 297431.754678 | 2839814.68127 |
| 256 | 297432.218679 | 2839815.6438 |
| 257 | 297432.555258 | 2839816.14539 |
| 258 | 297433.148076 | 2839817.57143 |
| 259 | 297433.822256 | 2839818.57659 |
| 260 | 297434.07915 | 2839819.50252 |
| 261 | 297434.545205 | 2839820.4694 |
| 262 | 297435.011813 | 2839821.43708 |
| 263 | 297435.100705 | 2839822.11325 |
| 264 | 297435.48766 | 2839823.50735 |
| 265 | 297435.536648 | 2839824.39759 |
| 266 | 297435.625662 | 2839825.07586 |
| 267 | 297436.053679 | 2839826.26076 |
| 268 | 297436.352764 | 2839826.98047 |
| 269 | 297436.701532 | 2839828.59458 |
| 270 | 297437.09079 | 2839829.99752 |
| 271 | 297437.35073 | 2839830.93367 |
| 272 | 297437.740939 | 2839832.33978 |
| 273 | 297437.961377 | 2839833.49267 |
| 274 | 297438.262074 | 2839834.21743 |
| 275 | 297438.573567 | 2839836.05803 |
| 276 | 297438.624171 | 2839836.9595 |
| 277 | 297438.714849 | 2839837.64621 |
| 278 | 297439.016401 | 2839838.37375 |
| 279 | 297439.449168 | 2839839.57403 |
| 280 | 297440.093456 | 2839840.81612 |
| 281 | 297440.527257 | 2839842.01908 |
| 282 | 297441.304629 | 2839843.73806 |
| 283 | 297441.990925 | 2839844.76786 |
| 284 | 297442.598428 | 2839846.23313 |
| 285 | 297443.07452 | 2839847.22458 |
| 286 | 297443.378972 | 2839847.95875 |
| 287 | 297444.027922 | 2839849.21043 |
| 288 | 297444.677705 | 2839850.46351 |
| 289 | 297444.598661 | 2839850.90019 |
| 290 | 297445.673468 | 2839852.23656 |
| 291 | 297446.36458 | 2839853.27425 |
| 292 | 297447.016873 | 2839854.53207 |
| 293 | 297447.960879 | 2839855.3932 |
| 294 | 297448.73231 | 2839855.99488 |
| 295 | 297449.677597 | 2839856.8572 |
| 296 | 297450.662439 | 2839857.50027 |
| 297 | 297451.183556 | 2839858.28196 |
| 298 | 297452.169311 | 2839858.92571 |
| 299 | 297452.556032 | 2839859.22734 |
| 300 | 297453.465064 | 2839860.31203 |
| 301 | 297454.452097 | 2839860.95666 |
| 302 | 297455.149648 | 2839862.00212 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 303 | 297456.350819 | 2839862.68853 |
| 304 | 297458.831662 | 2839864.61292 |
| 305 | 297462.857735 | 2839868.20402 |
| 306 | 297463.842607 | 2839870.2757 |
| 307 | 297464.669918 | 2839870.90553 |
| 308 | 297466.587077 | 2839873.1593 |
| 309 | 297467.88097 | 2839873.87927 |
| 310 | 297470.105742 | 2839874.77787 |
| 311 | 297471.765107 | 2839876.04065 |
| 312 | 297474.092346 | 2839876.48686 |
| 313 | 297474.822385 | 2839877.57229 |
| 314 | 297476.684862 | 2839877.92922 |
| 315 | 297479.279292 | 2839879.37275 |
| 316 | 297480.477641 | 2839880.5492 |
| 317 | 297482.609141 | 2839881.90512 |
| 318 | 297485.477172 | 2839884.35186 |
| 319 | 297486.482221 | 2839886.44406 |
| 320 | 297486.65323 | 2839887.90324 |
| 321 | 297487.660433 | 2839890.00049 |
| 322 | 297488.570541 | 2839892.55901 |
| 323 | 297489.014145 | 2839895.03238 |
| 324 | 297489.655386 | 2839896.59021 |
| 325 | 297490.766031 | 2839898.23974 |
| 326 | 297491.681508 | 2839900.81283 |
| 327 | 297493.068057 | 2839903.48038 |
| 328 | 297493.615342 | 2839905.50991 |
| 329 | 297494.065336 | 2839908.0056 |
| 330 | 297494.614164 | 2839910.04158 |
| 331 | 297495.065816 | 2839912.54531 |
| 332 | 297495.518351 | 2839915.05361 |
| 333 | 297495.126035 | 2839916.9188 |
| 334 | 297495.107047 | 2839919.34451 |
| 335 | 297495.658923 | 2839921.39679 |
| 336 | 297495.836994 | 2839922.89273 |
| 337 | 297496.666748 | 2839925.97994 |
| 338 | 297497.1229 | 2839928.5123 |
| 339 | 297496.828174 | 2839929.92498 |
| 340 | 297497.186784 | 2839932.93656 |
| 341 | 297497.644393 | 2839935.48156 |
| 342 | 297498.201231 | 2839937.55728 |
| 343 | 297498.75884 | 2839939.63608 |
| 344 | 297498.743081 | 2839942.1018 |
| 345 | 297498.250676 | 2839944.48052 |
| 346 | 297498.333081 | 2839946.47808 |
| 347 | 297498.316789 | 2839948.95616 |
| 348 | 297498.496021 | 2839950.48176 |
| 349 | 297498.48193 | 2839952.96711 |
| 350 | 297498.366843 | 2839955.9371 |
| 351 | 297498.928295 | 2839958.04294 |
| 352 | 297499.308222 | 2839958.61582 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 353 | 297499.47523 | 2839962.65445 |
| 354 | 297500.038911 | 2839964.77022 |
| 355 | 297500.504357 | 2839967.3732 |
| 356 | 297501.168577 | 2839969.0108 |
| 357 | 297500.390913 | 2839970.37384 |
| 358 | 297500.871701 | 2839970.46606 |
| 359 | 297502.498997 | 2839972.29167 |
| 360 | 297503.646708 | 2839974.02703 |
| 361 | 297503.832416 | 2839975.57966 |
| 362 | 297504.883584 | 2839977.80648 |
| 363 | 297506.418572 | 2839980.12897 |
| 364 | 297506.990491 | 2839982.26983 |
| 365 | 297507.563358 | 2839984.41366 |
| 366 | 297507.26853 | 2839985.88474 |
| 367 | 297507.743943 | 2839988.52543 |
| 368 | 297507.93287 | 2839990.09375 |
| 369 | 297507.440664 | 2839992.55648 |
| 370 | 297507.728248 | 2839993.6357 |
| 371 | 297507.325544 | 2839998.1765 |
| 372 | 297506.831397 | 2840000.654 |
| 373 | 297506.822726 | 2840003.22913 |
| 374 | 297506.327182 | 2840005.71573 |
| 375 | 297505.731302 | 2840008.7056 |
| 376 | 297505.523174 | 2840009.75033 |
| 377 | 297507.264454 | 2840020.97185 |
| 378 | 297510.237133 | 2840051.4503 |
| 379 | 297510.254539 | 2840051.62044 |
| 380 | 297511.398453 | 2840062.39576 |
| 381 | 297511.517981 | 2840063.31632 |
| 382 | 297513.196279 | 2840074.25788 |
| 383 | 297513.324171 | 2840074.99853 |
| 384 | 297513.441165 | 2840075.56346 |
| 385 | 297516.153255 | 2840087.77127 |
| 386 | 297516.621529 | 2840089.50614 |
| 387 | 297520.195874 | 2840100.72252 |
| 388 | 297520.548918 | 2840101.73577 |
| 389 | 297524.06887 | 2840111.02681 |
| 390 | 297524.521568 | 2840112.11966 |
| 391 | 297527.15 | 2840117.96808 |
| 392 | 297527.394348 | 2840116.85862 |
| 393 | 297527.362908 | 2840114.5963 |
| 394 | 297527.061776 | 2840111.16052 |
| 395 | 297527.77595 | 2840107.92709 |
| 396 | 297528.72529 | 2840103.62749 |
| 397 | 297529.317216 | 2840100.9469 |
| 398 | 297529.790036 | 2840098.80605 |
| 399 | 297530.262005 | 2840096.66859 |
| 400 | 297531.473345 | 2840093.5651 |
| 401 | 297532.060419 | 2840090.90382 |
| 402 | 297532.412248 | 2840089.3094 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 403 | 297532.99764 | 2840086.65622 |
| 404 | 297533.734614 | 2840085.6928 |
| 405 | 297535.169724 | 2840081.55749 |
| 406 | 297536.099075 | 2840077.33851 |
| 407 | 297536.446809 | 2840075.75971 |
| 408 | 297536.756106 | 2840071.98676 |
| 409 | 297535.83319 | 2840069.07886 |
| 410 | 297534.680472 | 2840067.22169 |
| 411 | 297534.144439 | 2840064.94037 |
| 412 | 297533.725139 | 2840062.14128 |
| 413 | 297532.692219 | 2840059.77197 |
| 414 | 297532.159065 | 2840057.50177 |
| 415 | 297530.514699 | 2840055.56271 |
| 416 | 297529.602544 | 2840052.68544 |
| 417 | 297528.459325 | 2840050.84726 |
| 418 | 297528.311398 | 2840049.20168 |
| 419 | 297528.016083 | 2840045.91628 |
| 420 | 297527.109083 | 2840043.05726 |
| 421 | 297526.20397 | 2840040.20359 |
| 422 | 297526.057849 | 2840038.56984 |
| 423 | 297525.154941 | 2840035.72461 |
| 424 | 297525.126006 | 2840033.58503 |
| 425 | 297524.225408 | 2840030.74913 |
| 426 | 297523.587243 | 2840029.0312 |
| 427 | 297522.196291 | 2840026.10941 |
| 428 | 297521.560193 | 2840024.39673 |
| 429 | 297521.041472 | 2840022.17892 |
| 430 | 297519.280853 | 2840018.66994 |
| 431 | 297518.76479 | 2840016.46066 |
| 432 | 297517.87524 | 2840013.65648 |
| 433 | 297517.711711 | 2840009.94626 |
| 434 | 297517.431978 | 2840006.74702 |
| 435 | 297517.036072 | 2840004.05499 |
| 436 | 297516.990845 | 2839999.87061 |
| 437 | 297516.945716 | 2839995.69859 |
| 438 | 297516.923177 | 2839993.61721 |
| 439 | 297516.645891 | 2839990.45411 |
| 440 | 297516.878237 | 2839989.46352 |
| 441 | 297516.601454 | 2839986.30968 |
| 442 | 297516.2092 | 2839983.65576 |
| 443 | 297515.701522 | 2839981.49887 |
| 444 | 297515.680021 | 2839979.4382 |
| 445 | 297515.036582 | 2839975.72294 |
| 446 | 297514.647244 | 2839973.08851 |
| 447 | 297514.626561 | 2839971.03999 |
| 448 | 297514.238255 | 2839968.41401 |
| 449 | 297514.816578 | 2839965.97797 |
| 450 | 297514.313183 | 2839963.84733 |
| 451 | 297514.04159 | 2839960.74961 |
| 452 | 297514.618586 | 2839958.32725 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 453 | 297514.713144 | 2839955.81698 |
| 454 | 297514.692665 | 2839953.79366 |
| 455 | 297514.672049 | 2839951.77324 |
| 456 | 297513.80621 | 2839949.09087 |
| 457 | 297513.306536 | 2839946.98518 |
| 458 | 297513.152652 | 2839943.44541 |
| 459 | 297513.248158 | 2839940.96183 |
| 460 | 297512.750294 | 2839938.86817 |
| 461 | 297512.731267 | 2839936.86905 |
| 462 | 297512.482781 | 2839935.8248 |
| 463 | 297513.285102 | 2839932.49606 |
| 464 | 297512.903293 | 2839929.94084 |
| 465 | 297513.474888 | 2839927.57276 |
| 466 | 297513.797652 | 2839924.17341 |
| 467 | 297514.025659 | 2839923.22981 |
| 468 | 297514.347237 | 2839919.84144 |
| 469 | 297513.966142 | 2839917.30932 |
| 470 | 297513.832733 | 2839915.8104 |
| 471 | 297513.206147 | 2839912.25871 |
| 472 | 297512.599819 | 2839910.67443 |
| 473 | 297512.715778 | 2839909.65592 |
| 474 | 297508.25484 | 2839899.88785 |
| 475 | 297501.569249 | 2839885.00801 |
| 476 | 297501.271776 | 2839884.37587 |
| 477 | 297496.752417 | 2839875.18977 |
| 478 | 297496.132664 | 2839874.02812 |
| 479 | 297491.231905 | 2839865.52886 |
| 480 | 297491.071682 | 2839865.25616 |
| 481 | 297490.54813 | 2839864.42718 |
| 482 | 297483.010864 | 2839853.1182 |
| 483 | 297482.525653 | 2839852.42266 |
| 484 | 297478.17603 | 2839846.46069 |
| 485 | 297477.777825 | 2839845.93313 |
| 486 | 297467.962187 | 2839833.39893 |
| 487 | 297467.269436 | 2839832.49051 |
| 488 | 297467.146192 | 2839832.33295 |
| 489 | 297466.641313 | 2839831.70986 |
| 490 | 297449.87281 | 2839810.67553 |
| 491 | 297449.377084 | 2839810.07831 |
| 492 | 297441.136465 | 2839800.53236 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 297206.57872 | 2839818.43657 |
| 2 | 297205.875973 | 2839817.64361 |
| 3 | 297205.129129 | 2839817.06199 |
| 4 | 297204.382738 | 2839816.48047 |
| 5 | 297204.009634 | 2839816.1898 |
| 6 | 297202.757008 | 2839815.94964 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 7 | 297201.295507 | 2839815.66953 |
| 8 | 297199.25275 | 2839815.05888 |
| 9 | 297197.791429 | 2839814.77876 |
| 10 | 297196.956284 | 2839814.61862 |
| 11 | 297195.70375 | 2839814.37857 |
| 12 | 297194.314366 | 2839814.7695 |
| 13 | 297193.433305 | 2839814.81983 |
| 14 | 297191.996567 | 2839815.42166 |
| 15 | 297191.532628 | 2839815.55211 |
| 16 | 297188.8862 | 2839815.70336 |
| 17 | 297187.79464 | 2839815.71386 |
| 18 | 297186.818691 | 2839816.18597 |
| 19 | 297185.51717 | 2839816.15633 |
| 20 | 297184.796102 | 2839816.45793 |
| 21 | 297184.074765 | 2839816.75964 |
| 22 | 297182.468764 | 2839817.11223 |
| 23 | 297181.793697 | 2839817.20306 |
| 24 | 297180.605004 | 2839817.63617 |
| 25 | 297179.929397 | 2839817.72712 |
| 26 | 297178.320516 | 2839818.08035 |
| 27 | 297176.967949 | 2839818.26235 |
| 28 | 297176.291441 | 2839818.35341 |
| 29 | 297175.195549 | 2839818.36407 |
| 30 | 297173.631939 | 2839818.50605 |
| 31 | 297172.019364 | 2839818.85994 |
| 32 | 297171.131991 | 2839818.91087 |
| 33 | 297170.034656 | 2839818.92166 |
| 34 | 297168.000263 | 2839819.19539 |
| 35 | 297165.334535 | 2839819.34843 |
| 36 | 297163.766507 | 2839819.49088 |
| 37 | 297161.097984 | 2839819.64426 |
| 38 | 297160.208086 | 2839819.69543 |
| 39 | 297159.133572 | 2839819.79296 |
| 40 | 297199.068321 | 2839833.86301 |
| 41 | 297199.313182 | 2839833.94706 |
| 42 | 297212.913677 | 2839838.50423 |
| 43 | 297212.905978 | 2839838.48502 |
| 44 | 297212.572043 | 2839837.97372 |
| 45 | 297212.203581 | 2839836.56211 |
| 46 | 297211.914153 | 2839835.83688 |
| 47 | 297211.502501 | 2839834.64266 |
| 48 | 297211.091231 | 2839833.44983 |
| 49 | 297210.890848 | 2839832.29863 |
| 50 | 297210.690577 | 2839831.14881 |
| 51 | 297210.568554 | 2839830.68122 |
| 52 | 297210.324607 | 2839829.74662 |
| 53 | 297210.334974 | 2839828.63983 |
| 54 | 297210.013851 | 2839827.02819 |
| 55 | 297209.814665 | 2839825.88434 |
| 56 | 297209.69313 | 2839825.41912 |
| 57 | 297209.703751 | 2839824.31721 |
| 58 | 297209.582407 | 2839823.85269 |
| 59 | 297209.009158 | 2839822.42039 |
| 60 | 297208.348382 | 2839821.41304 |
| 61 | 297207.853308 | 2839820.65816 |
| 62 | 297207.237738 | 2839819.44115 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 297395.88226 | 2839806.86626 |
| 2 | 297393.602287 | 2839806.42911 |
| 3 | 297391.322406 | 2839805.99205 |
| 4 | 297389.728424 | 2839806.59396 |
| 5 | 297388.816109 | 2839806.41905 |
| 6 | 297385.053793 | 2839807.96906 |
| 7 | 297384.02661 | 2839808.22689 |
| 8 | 297380.715238 | 2839809.3748 |
| 9 | 297383.239264 | 2839809.80762 |
| 10 | 297389.487439 | 2839811.56259 |
| 11 | 297394.593281 | 2839813.80036 |
| 12 | 297398.340917 | 2839815.8509 |
| 13 | 297402.291514 | 2839818.72564 |
| 14 | 297405.889196 | 2839821.73871 |
| 15 | 297411.316561 | 2839827.20837 |
| 16 | 297418.840706 | 2839835.92448 |
| 17 | 297435.749894 | 2839857.12125 |
| 18 | 297435.873854 | 2839857.2784 |
| 19 | 297436.377219 | 2839857.90281 |
| 20 | 297446.052305 | 2839870.30421 |
| 21 | 297449.95751 | 2839875.657 |
| 22 | 297456.899915 | 2839886.07329 |
| 23 | 297461.148257 | 2839893.44148 |
| 24 | 297465.22184 | 2839901.72137 |
| 25 | 297471.815464 | 2839916.39582 |
| 26 | 297483.627885 | 2839942.26155 |
| 27 | 297495.477869 | 2839969.13589 |
| 28 | 297498.108762 | 2839976.64695 |
| 29 | 297498.335511 | 2839975.53816 |
| 30 | 297497.770771 | 2839973.40626 |
| 31 | 297497.10737 | 2839971.76306 |
| 32 | 297496.544337 | 2839969.63651 |
| 33 | 297495.982165 | 2839967.51304 |
| 34 | 297495.040521 | 2839964.81698 |
| 35 | 297494.959961 | 2839962.79239 |
| 36 | 297493.921039 | 2839960.587 |
| 37 | 297493.941333 | 2839958.08713 |
| 38 | 297493.861824 | 2839956.07219 |
| 39 | 297494.260612 | 2839954.1519 |
| 40 | 297494.380077 | 2839951.18484 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 41 | 297494.499282 | 2839948.22437 |
| 42 | 297494.320339 | 2839946.70083 |
| 43 | 297494.240811 | 2839944.70243 |
| 44 | 297493.209076 | 2839942.52424 |
| 45 | 297493.229956 | 2839940.05665 |
| 46 | 297492.874528 | 2839937.02887 |
| 47 | 297492.697213 | 2839935.51737 |
| 48 | 297492.243833 | 2839932.97141 |
| 49 | 297491.890443 | 2839929.95865 |
| 50 | 297491.813084 | 2839927.98404 |
| 51 | 297491.262584 | 2839925.92138 |
| 52 | 297490.812087 | 2839923.39271 |
| 53 | 297490.263134 | 2839921.33671 |
| 54 | 297489.615694 | 2839919.75136 |
| 55 | 297489.540271 | 2839917.79117 |
| 56 | 297488.620789 | 2839915.18645 |
| 57 | 297488.744761 | 2839912.30173 |
| 58 | 297487.827779 | 2839909.70694 |
| 59 | 297487.85315 | 2839907.29718 |
| 60 | 297486.839414 | 2839905.17422 |
| 61 | 297485.456862 | 2839902.50233 |
| 62 | 297484.816234 | 2839900.9373 |
| 63 | 297483.437498 | 2839898.27293 |
| 64 | 297482.696389 | 2839896.25254 |
| 65 | 297482.360315 | 2839894.23493 |
| 66 | 297481.354899 | 2839892.13058 |
| 67 | 297476.048226 | 2839883.01898 |
| 68 | 297474.383542 | 2839881.7508 |
| 69 | 297472.090783 | 2839878.94142 |
| 70 | 297470.227035 | 2839878.58411 |
| 71 | 297469.862458 | 2839878.04079 |
| 72 | 297467.270922 | 2839876.59761 |
| 73 | 297465.044595 | 2839875.69774 |
| 74 | 297461.888121 | 2839874.61994 |
| 75 | 297459.663431 | 2839873.72085 |
| 76 | 297456.612502 | 2839872.19121 |
| 77 | 297455.424155 | 2839871.0194 |
| 78 | 297453.410944 | 2839869.21842 |
| 79 | 297453.154132 | 2839868.22672 |
| 80 | 297451.352377 | 2839865.52814 |
| 81 | 297449.449175 | 2839863.28373 |
| 82 | 297448.012311 | 2839861.13126 |
| 83 | 297446.472693 | 2839859.43018 |
| 84 | 297445.755921 | 2839858.35621 |
| 85 | 297444.218696 | 2839856.65808 |
| 86 | 297443.25124 | 2839854.60348 |
| 87 | 297441.465917 | 2839851.92847 |
| 88 | 297441.214791 | 2839850.94844 |
| 89 | 297439.789477 | 2839848.81323 |
| 90 | 297438.827605 | 2839846.7695 |
| 91 | 297438.222416 | 2839845.26064 |
| 92 | 297437.262787 | 2839843.22186 |
| 93 | 297436.304465 | 2839841.18595 |
| 94 | 297435.24139 | 2839839.59459 |
| 95 | 297434.285672 | 2839837.56363 |
| 96 | 297433.012042 | 2839836.858 |
| 97 | 297431.705756 | 2839834.30233 |
| 98 | 297430.647485 | 2839832.71818 |
| 99 | 297430.508433 | 2839831.31172 |
| 100 | 297429.910711 | 2839829.81879 |
| 101 | 297429.068632 | 2839827.36337 |
| 102 | 297428.014175 | 2839825.78653 |
| 103 | 297427.175001 | 2839823.33804 |
| 104 | 297425.772674 | 2839821.24174 |
| 105 | 297425.179445 | 2839819.75921 |
| 106 | 297423.215773 | 2839818.01528 |
| 107 | 297422.059992 | 2839816.88293 |
| 108 | 297421.013017 | 2839815.31714 |
| 109 | 297418.837955 | 2839814.4455 |
| 110 | 297416.532797 | 2839812.18629 |
| 111 | 297416.07664 | 2839812.09889 |
| 112 | 297412.079766 | 2839810.87866 |
| 113 | 297409.90861 | 2839810.00865 |
| 114 | 297408.194157 | 2839809.22635 |
| 115 | 297405.45821 | 2839808.70188 |
| 116 | 297401.810221 | 2839808.0026 |
| 117 | 297401.354245 | 2839807.91518 |
| 118 | 297398.16223 | 2839807.30321 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 297580.959555 | 2840136.22524 |
| 2 | 297569.691511 | 2840114.0644 |
| 3 | 297564.658761 | 2840103.83914 |
| 4 | 297561.257413 | 2840096.27095 |
| 5 | 297558.148703 | 2840088.06522 |
| 6 | 297555.010425 | 2840078.21718 |
| 7 | 297552.637293 | 2840067.53574 |
| 8 | 297551.130009 | 2840057.70866 |
| 9 | 297550.043853 | 2840047.47905 |
| 10 | 297547.024611 | 2840016.52337 |
| 11 | 297546.882451 | 2840015.39788 |
| 12 | 297544.82471 | 2840002.13694 |
| 13 | 297544.796255 | 2840001.95889 |
| 14 | 297542.672617 | 2839989.04365 |
| 15 | 297542.575259 | 2839988.49884 |
| 16 | 297541.171833 | 2839981.25983 |
| 17 | 297540.755835 | 2839979.52984 |
| 18 | 297537.437995 | 2839968.01279 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 19 | 297537.095116 | 2839966.9378 |
| 20 | 297532.973926 | 2839955.17151 |
| 21 | 297532.785626 | 2839954.65659 |
| 22 | 297532.398156 | 2839953.71342 |
| 23 | 297520.179097 | 2839926.00223 |
| 24 | 297520.071768 | 2839925.76301 |
| 25 | 297518.971113 | 2839923.35298 |
| 26 | 297518.669005 | 2839924.6134 |
| 27 | 297518.102826 | 2839926.97541 |
| 28 | 297518.125686 | 2839928.95952 |
| 29 | 297518.148586 | 2839930.94623 |
| 30 | 297518.171353 | 2839932.93602 |
| 31 | 297518.558288 | 2839935.49585 |
| 32 | 297518.581515 | 2839937.49212 |
| 33 | 297518.96948 | 2839940.0603 |
| 34 | 297518.400375 | 2839942.44946 |
| 35 | 297517.830343 | 2839944.84302 |
| 36 | 297518.696218 | 2839947.51679 |
| 37 | 297519.063953 | 2839948.08889 |
| 38 | 297519.591882 | 2839952.21269 |
| 39 | 297519.982695 | 2839954.80774 |
| 40 | 297520.145847 | 2839958.37487 |
| 41 | 297520.170481 | 2839960.4042 |
| 42 | 297520.448542 | 2839963.49982 |
| 43 | 297521.070572 | 2839965.14266 |
| 44 | 297520.49826 | 2839967.57611 |
| 45 | 297521.006693 | 2839969.71146 |
| 46 | 297521.031938 | 2839971.75713 |
| 47 | 297520.942591 | 2839974.29522 |
| 48 | 297520.713053 | 2839975.27461 |
| 49 | 297520.508286 | 2839978.31004 |
| 50 | 297520.41822 | 2839980.8602 |
| 51 | 297520.928945 | 2839983.01555 |
| 52 | 297521.210206 | 2839986.16105 |
| 53 | 297521.120449 | 2839988.72556 |
| 54 | 297521.14612 | 2839990.79912 |
| 55 | 297521.171656 | 2839992.87576 |
| 56 | 297520.966034 | 2839995.94977 |
| 57 | 297520.991596 | 2839998.03399 |
| 58 | 297521.505063 | 2840000.21499 |
| 59 | 297521.789524 | 2840003.39882 |
| 60 | 297523.168878 | 2840006.27655 |
| 61 | 297524.435492 | 2840009.66153 |
| 62 | 297525.069791 | 2840011.35689 |
| 63 | 297525.849438 | 2840014.65901 |
| 64 | 297526.254741 | 2840017.36923 |
| 65 | 297527.268155 | 2840019.67327 |
| 66 | 297527.906236 | 2840021.37983 |
| 67 | 297528.806908 | 2840024.1969 |
| 68 | 297529.824537 | 2840026.51093 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 69 | 297531.221981 | 2840029.43213 |
| 70 | 297532.736991 | 2840031.84869 |
| 71 | 297533.380516 | 2840033.56883 |
| 72 | 297533.645269 | 2840034.68498 |
| 73 | 297533.830854 | 2840038.45595 |
| 74 | 297534.361572 | 2840040.6967 |
| 75 | 297535.274078 | 2840043.54966 |
| 76 | 297536.036394 | 2840044.76853 |
| 77 | 297536.455182 | 2840047.53405 |
| 78 | 297537.868584 | 2840050.49516 |
| 79 | 297538.404541 | 2840052.75376 |
| 80 | 297539.209973 | 2840056.14797 |
| 81 | 297539.135059 | 2840058.83901 |
| 82 | 297539.673556 | 2840061.11023 |
| 83 | 297540.212737 | 2840063.38482 |
| 84 | 297540.638105 | 2840066.18512 |
| 85 | 297541.293605 | 2840067.94444 |
| 86 | 297541.835292 | 2840070.22946 |
| 87 | 297542.377662 | 2840072.51776 |
| 88 | 297542.763733 | 2840073.13848 |
| 89 | 297541.731467 | 2840077.86954 |
| 90 | 297542.662394 | 2840080.79357 |
| 91 | 297542.20277 | 2840082.90572 |
| 92 | 297542.245085 | 2840085.11734 |
| 93 | 297541.899667 | 2840086.70588 |
| 94 | 297540.629736 | 2840092.5464 |
| 95 | 297540.050814 | 2840095.20935 |
| 96 | 297538.889407 | 2840100.55036 |
| 97 | 297538.307017 | 2840103.22861 |
| 98 | 297537.334002 | 2840105.27774 |
| 99 | 297535.383332 | 2840109.38545 |
| 100 | 297534.405857 | 2840111.44401 |
| 101 | 297533.662574 | 2840112.42586 |
| 102 | 297529.429248 | 2840117.2486 |
| 103 | 297527.899005 | 2840119.63479 |
| 104 | 297528.311274 | 2840120.55207 |
| 105 | 297528.602681 | 2840121.17174 |
| 106 | 297533.845359 | 2840131.84448 |
| 107 | 297533.971953 | 2840132.09756 |
| 108 | 297545.264352 | 2840154.28644 |
| 109 | 297553.727967 | 2840171.31786 |
| 110 | 297558.958739 | 2840181.71575 |
| 111 | 297559.137161 | 2840182.08064 |
| 112 | 297558.965916 | 2840181.09092 |
| 113 | 297558.654325 | 2840179.28988 |
| 114 | 297558.200323 | 2840178.15271 |
| 115 | 297557.888553 | 2840176.35178 |
| 116 | 297557.839497 | 2840174.95332 |
| 117 | 297557.456565 | 2840173.48421 |
| 118 | 297557.33635 | 2840172.41778 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 119 | 297557.763221 | 2840170.42621 |
| 120 | 297557.45154 | 2840168.62517 |
| 121 | 297556.138678 | 2840166.61201 |
| 122 | 297555.969316 | 2840164.14712 |
| 123 | 297555.181526 | 2840162.9392 |
| 124 | 297555.132471 | 2840161.54083 |
| 125 | 297555.154487 | 2840159.81055 |
| 126 | 297555.10534 | 2840158.41209 |
| 127 | 297554.602283 | 2840155.87655 |
| 128 | 297554.2906 | 2840154.07552 |
| 129 | 297554.050078 | 2840151.94255 |
| 130 | 297553.333448 | 2840150.40271 |
| 131 | 297552.474587 | 2840149.52671 |
| 132 | 297552.091744 | 2840148.05761 |
| 133 | 297551.041417 | 2840146.44712 |
| 134 | 297550.062338 | 2840144.50459 |
| 135 | 297549.750655 | 2840142.70356 |
| 136 | 297549.70151 | 2840141.3052 |
| 137 | 297549.389827 | 2840139.50417 |
| 138 | 297549.078052 | 2840137.70303 |
| 139 | 297548.695299 | 2840136.23393 |
| 140 | 297547.453504 | 2840133.88893 |
| 141 | 297546.665891 | 2840132.68091 |
| 142 | 297546.020419 | 2840130.80913 |
| 143 | 297544.97018 | 2840129.19864 |
| 144 | 297544.921033 | 2840127.80018 |
| 145 | 297545.276745 | 2840126.14064 |
| 146 | 297546.299943 | 2840124.62248 |
| 147 | 297547.990625 | 2840123.24562 |
| 148 | 297549.659296 | 2840123.59924 |
| 149 | 297550.900913 | 2840125.94444 |
| 150 | 297551.546385 | 2840127.81621 |
| 151 | 297551.382049 | 2840130.21036 |
| 152 | 297551.239726 | 2840130.87412 |
| 153 | 297550.812764 | 2840132.86569 |
| 154 | 297550.93307 | 2840133.93212 |
| 155 | 297550.577358 | 2840135.59177 |
| 156 | 297551.93937 | 2840139.00339 |
| 157 | 297552.393374 | 2840140.14057 |
| 158 | 297552.776217 | 2840141.60967 |
| 159 | 297553.421597 | 2840143.48145 |
| 160 | 297553.8756 | 2840144.61863 |
| 161 | 297554.449909 | 2840146.82223 |
| 162 | 297554.690432 | 2840148.9553 |
| 163 | 297555.527278 | 2840151.56158 |
| 164 | 297555.91012 | 2840153.03068 |
| 165 | 297556.62675 | 2840154.57053 |
| 166 | 297557.463505 | 2840157.17681 |
| 167 | 297557.917507 | 2840158.31399 |
| 168 | 297558.896582 | 2840160.25641 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 169 | 297559.279514 | 2840161.72551 |
| 170 | 297559.853731 | 2840163.92912 |
| 171 | 297559.902877 | 2840165.32758 |
| 172 | 297560.356879 | 2840166.46476 |
| 173 | 297560.334865 | 2840168.19515 |
| 174 | 297560.575385 | 2840170.32801 |
| 175 | 297560.838012 | 2840170.73068 |
| 176 | 297560.815996 | 2840172.46097 |
| 177 | 297561.390123 | 2840174.66468 |
| 178 | 297561.701895 | 2840176.46571 |
| 179 | 297562.347272 | 2840178.33749 |
| 180 | 297564.234438 | 2840182.55426 |
| 181 | 297565.858977 | 2840186.36837 |
| 182 | 297567.100677 | 2840188.71356 |
| 183 | 297568.222159 | 2840189.99213 |
| 184 | 297568.67616 | 2840191.12931 |
| 185 | 297569.20123 | 2840191.93456 |
| 186 | 297570.180393 | 2840193.87708 |
| 187 | 297571.039249 | 2840194.75297 |
| 188 | 297571.755876 | 2840196.29282 |
| 189 | 297572.806106 | 2840197.90332 |
| 190 | 297573.522733 | 2840199.44317 |
| 191 | 297573.905572 | 2840200.91227 |
| 192 | 297574.813482 | 2840203.18663 |
| 193 | 297575.196321 | 2840204.65573 |
| 194 | 297576.246641 | 2840206.26623 |
| 195 | 297577.822122 | 2840208.68207 |
| 196 | 297578.538567 | 2840210.22192 |
| 197 | 297579.588976 | 2840211.83241 |
| 198 | 297581.044062 | 2840213.18173 |
| 199 | 297581.689526 | 2840215.05351 |
| 200 | 297582.597433 | 2840217.32786 |
| 201 | 297583.05143 | 2840218.46494 |
| 202 | 297583.959518 | 2840220.73929 |
| 203 | 297584.150892 | 2840221.47389 |
| 204 | 297584.796264 | 2840223.34557 |
| 205 | 297584.845408 | 2840224.74403 |
| 206 | 297585.682244 | 2840227.35031 |
| 207 | 297585.731386 | 2840228.74867 |
| 208 | 297586.447829 | 2840230.28853 |
| 209 | 297586.759594 | 2840232.08946 |
| 210 | 297587.66759 | 2840234.36381 |
| 211 | 297587.716734 | 2840235.76227 |
| 212 | 297587.765786 | 2840237.16063 |
| 213 | 297587.601448 | 2840239.55488 |
| 214 | 297587.508269 | 2840241.61709 |
| 215 | 297587.55741 | 2840243.01535 |
| 216 | 297587.606463 | 2840244.41381 |
| 217 | 297587.370962 | 2840247.13979 |
| 218 | 297587.469248 | 2840249.93661 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 219 | 297588.043458 | 2840252.14022 |
| 220 | 297588.355225 | 2840253.94125 |
| 221 | 297588.595651 | 2840256.07421 |
| 222 | 297588.168779 | 2840258.06579 |
| 223 | 297588.480364 | 2840259.86672 |
| 224 | 297588.053583 | 2840261.85829 |
| 225 | 297587.8401 | 2840262.85398 |
| 226 | 297587.746922 | 2840264.91619 |
| 227 | 297587.795975 | 2840266.31466 |
| 228 | 297587.369103 | 2840268.30613 |
| 229 | 297587.943314 | 2840270.50984 |
| 230 | 297587.800992 | 2840271.17359 |
| 231 | 297587.778975 | 2840272.90398 |
| 232 | 297587.828116 | 2840274.30224 |
| 233 | 297587.734938 | 2840276.36446 |
| 234 | 297588.046616 | 2840278.16559 |
| 235 | 297587.619654 | 2840280.15707 |
| 236 | 297587.93133 | 2840281.9581 |
| 237 | 297587.909312 | 2840283.68839 |
| 238 | 297587.48235 | 2840285.67986 |
| 239 | 297587.055479 | 2840287.67133 |
| 240 | 297586.841998 | 2840288.66712 |
| 241 | 297586.557358 | 2840289.99483 |
| 242 | 297586.201647 | 2840291.65438 |
| 243 | 297585.774687 | 2840293.64595 |
| 244 | 297585.490047 | 2840294.97366 |
| 245 | 297585.53919 | 2840296.37202 |
| 246 | 297585.183389 | 2840298.03157 |
| 247 | 297584.756519 | 2840300.02314 |
| 248 | 297584.400809 | 2840301.68268 |
| 249 | 297584.307451 | 2840303.7449 |
| 250 | 297583.951833 | 2840305.40454 |
| 251 | 297583.596032 | 2840307.06409 |
| 252 | 297583.240233 | 2840308.72373 |
| 253 | 297582.646157 | 2840309.60524 |
| 254 | 297582.69306 | 2840309.64877 |
| 255 | 297583.460748 | 2840310.8566 |
| 256 | 297583.934744 | 2840311.99377 |
| 257 | 297584.842738 | 2840314.26822 |
| 258 | 297585.417037 | 2840316.47183 |
| 259 | 297585.608501 | 2840317.20643 |
| 260 | 297585.586394 | 2840318.93672 |
| 261 | 297585.96932 | 2840320.40583 |
| 262 | 297585.755841 | 2840321.40161 |
| 263 | 297586.067517 | 2840323.20265 |
| 264 | 297586.450261 | 2840324.67166 |
| 265 | 297586.690869 | 2840326.80472 |
| 266 | 297586.931385 | 2840328.93768 |
| 267 | 297587.314221 | 2840330.40678 |
| 268 | 297587.625986 | 2840332.20772 |
| 269 | 297587.746198 | 2840333.27415 |
| 270 | 297588.129035 | 2840334.74336 |
| 271 | 297588.29848 | 2840337.20815 |
| 272 | 297588.561103 | 2840337.61082 |
| 273 | 297588.943848 | 2840339.07993 |
| 274 | 297589.113205 | 2840341.54482 |
| 275 | 297589.42488 | 2840343.34585 |
| 276 | 297589.736646 | 2840345.14688 |
| 277 | 297590.04832 | 2840346.94782 |
| 278 | 297590.097464 | 2840348.34626 |
| 279 | 297590.480299 | 2840349.81538 |
| 280 | 297591.054505 | 2840352.01899 |
| 281 | 297591.032488 | 2840353.74928 |
| 282 | 297591.677946 | 2840355.62106 |
| 283 | 297591.918461 | 2840357.75402 |
| 284 | 297591.967604 | 2840359.15238 |
| 285 | 297591.874337 | 2840361.2146 |
| 286 | 297592.186104 | 2840363.01573 |
| 287 | 297592.426617 | 2840365.1486 |
| 288 | 297593.071983 | 2840367.02026 |
| 289 | 297593.121126 | 2840368.41874 |
| 290 | 297593.553103 | 2840371.2862 |
| 291 | 297593.935936 | 2840372.75521 |
| 292 | 297594.056239 | 2840373.82174 |
| 293 | 297594.105291 | 2840375.2201 |
| 294 | 297594.274737 | 2840377.68499 |
| 295 | 297594.515252 | 2840379.81795 |
| 296 | 297594.897996 | 2840381.28706 |
| 297 | 297594.947138 | 2840382.68542 |
| 298 | 297594.925121 | 2840384.41571 |
| 299 | 297595.094476 | 2840386.8806 |
| 300 | 297595.811091 | 2840388.42045 |
| 301 | 297595.597613 | 2840389.41624 |
| 302 | 297595.909286 | 2840391.21717 |
| 303 | 297595.68727 | 2840392.94756 |
| 304 | 297596.056622 | 2840395.41225 |
| 305 | 297595.843144 | 2840396.40804 |
| 306 | 297595.821128 | 2840398.13843 |
| 307 | 297595.394172 | 2840400.13 |
| 308 | 297595.372153 | 2840401.86019 |
| 309 | 297595.016355 | 2840403.51973 |
| 310 | 297594.589579 | 2840405.5113 |
| 311 | 297594.567474 | 2840407.24169 |
| 312 | 297594.73692 | 2840409.70658 |
| 313 | 297594.838853 | 2840410.09782 |
| 314 | 297618.415758 | 2840376.96865 |
| 315 | 297616.646628 | 2840371.19769 |
| 316 | 297615.543398 | 2840363.82465 |
| 317 | 297615.313307 | 2840356.06201 |
| 318 | 297615.680659 | 2840346.32148 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 319 | 297617.590058 | 2840331.94826 |
| 320 | 297619.450779 | 2840316.70747 |
| 321 | 297619.472117 | 2840316.52548 |
| 322 | 297621.264975 | 2840300.63031 |
| 323 | 297621.332252 | 2840299.91927 |
| 324 | 297622.086583 | 2840290.09148 |
| 325 | 297622.143006 | 2840288.86411 |
| 326 | 297622.348579 | 2840275.31493 |
| 327 | 297622.348603 | 2840274.70646 |
| 328 | 297622.289663 | 2840273.44716 |
| 329 | 297621.370327 | 2840261.7283 |
| 330 | 297621.267711 | 2840260.73773 |
| 331 | 297619.534916 | 2840247.28179 |
| 332 | 297619.339594 | 2840246.06313 |
| 333 | 297619.287757 | 2840245.80264 |
| 334 | 297613.78544 | 2840219.07916 |
| 335 | 297613.684169 | 2840218.61513 |
| 336 | 297609.408616 | 2840200.08763 |
| 337 | 297608.854695 | 2840198.1424 |
| 338 | 297605.478826 | 2840188.22075 |
| 339 | 297605.232051 | 2840187.53661 |
| 340 | 297605.0759 | 2840187.13969 |
| 341 | 297600.119839 | 2840174.93201 |
| 342 | 297599.555182 | 2840173.66867 |
| 343 | 297594.845882 | 2840164.0394 |
| 344 | 297594.745902 | 2840163.83773 |
| 345 | 297589.513481 | 2840153.43677 |
| 346 | 297581.045521 | 2840136.39623 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 297572.274083 | 2840213.40547 |
| 2 | 297571.195504 | 2840212.40547 |
| 3 | 297574.651072 | 2840227.37944 |
| 4 | 297579.95411 | 2840253.13504 |
| 5 | 297581.527552 | 2840265.35375 |
| 6 | 297582.334817 | 2840275.64353 |
| 7 | 297582.152691 | 2840287.64237 |
| 8 | 297581.792501 | 2840292.33607 |
| 9 | 297582.459409 | 2840291.20851 |
| 10 | 297582.672689 | 2840290.21272 |
| 11 | 297583.171011 | 2840287.88942 |
| 12 | 297583.52681 | 2840286.22968 |
| 13 | 297584.096091 | 2840283.57435 |
| 14 | 297583.975788 | 2840282.50792 |
| 15 | 297584.40275 | 2840280.51644 |
| 16 | 297584.495837 | 2840278.45423 |
| 17 | 297583.992786 | 2840275.91859 |
| 18 | 297584.348588 | 2840274.25905 |
| 19 | 297584.7043 | 2840272.5995 |
| 20 | 297584.250391 | 2840271.46222 |
| 21 | 297584.606013 | 2840269.80268 |
| 22 | 297584.961815 | 2840268.14314 |
| 23 | 297585.388776 | 2840266.15157 |
| 24 | 297585.005939 | 2840264.68246 |
| 25 | 297584.956795 | 2840263.284 |
| 26 | 297584.573959 | 2840261.815 |
| 27 | 297584.595977 | 2840260.08471 |
| 28 | 297584.213229 | 2840258.6155 |
| 29 | 297583.830393 | 2840257.1465 |
| 30 | 297584.186104 | 2840255.48685 |
| 31 | 297584.399494 | 2840254.49107 |
| 32 | 297584.421694 | 2840252.76088 |
| 33 | 297584.443712 | 2840251.03059 |
| 34 | 297584.799423 | 2840249.37095 |
| 35 | 297585.155134 | 2840247.7113 |
| 36 | 297585.510937 | 2840246.05176 |
| 37 | 297585.533044 | 2840244.32137 |
| 38 | 297585.221278 | 2840242.52044 |
| 39 | 297584.83844 | 2840241.05133 |
| 40 | 297584.384533 | 2840239.91415 |
| 41 | 297584.477621 | 2840237.65194 |
| 42 | 297584.094873 | 2840236.38283 |
| 43 | 297583.37825 | 2840234.84298 |
| 44 | 297583.329198 | 2840233.44462 |
| 45 | 297582.683736 | 2840231.57294 |
| 46 | 297582.300988 | 2840230.10384 |
| 47 | 297581.655525 | 2840228.23206 |
| 48 | 297581.201526 | 2840227.09488 |
| 49 | 297580.556064 | 2840225.2232 |
| 50 | 297579.76837 | 2840224.01528 |
| 51 | 297578.980675 | 2840222.80736 |
| 52 | 297578.526767 | 2840221.67018 |
| 53 | 297577.405197 | 2840220.39162 |
| 54 | 297576.021273 | 2840218.71037 |
| 55 | 297575.042112 | 2840216.76785 |
| 56 | 297574.445792 | 2840216.29453 |
| 57 | 297573.466634 | 2840214.35221 |

POLÍGONO: Ejido San José del Barranco_79

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 297580.72278 | 2840317.21219 |
| 2 | 297579.814878 | 2840314.93784 |
| 3 | 297579.217303 | 2840316.15244 |
| 4 | 297577.871688 | 2840327.1739 |
| 5 | 297576.085433 | 2840342.19434 |
| 6 | 297575.979362 | 2840343.39327 |
| 7 | 297575.32568 | 2840354.61266 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 8 | 297575.294159 | 2840356.08091 |
| 9 | 297575.300623 | 2840356.36851 |
| 10 | 297575.592009 | 2840366.20028 |
| 11 | 297575.803499 | 2840368.56757 |
| 12 | 297577.303666 | 2840378.59326 |
| 13 | 297577.442505 | 2840379.40659 |
| 14 | 297577.961773 | 2840381.49564 |
| 15 | 297580.53162 | 2840389.87841 |
| 16 | 297580.965972 | 2840391.14294 |
| 17 | 297581.401405 | 2840392.1941 |
| 18 | 297584.997055 | 2840400.21991 |
| 19 | 297586.083153 | 2840402.306 |
| 20 | 297586.340417 | 2840402.7245 |
| 21 | 297591.122092 | 2840410.29366 |
| 22 | 297591.328404 | 2840409.33136 |
| 23 | 297591.350419 | 2840407.60097 |
| 24 | 297591.301367 | 2840406.20261 |
| 25 | 297591.870552 | 2840403.54728 |
| 26 | 297591.941713 | 2840403.21545 |
| 27 | 297591.556877 | 2840401.74625 |
| 28 | 297591.843514 | 2840400.41853 |
| 29 | 297591.531841 | 2840398.6176 |
| 30 | 297591.625017 | 2840396.55538 |
| 31 | 297591.575873 | 2840395.15692 |
| 32 | 297591.740208 | 2840392.76278 |
| 33 | 297591.286215 | 2840391.6256 |
| 34 | 297590.449477 | 2840389.01932 |
| 35 | 297590.208873 | 2840386.88645 |
| 36 | 297590.280031 | 2840386.55442 |
| 37 | 297590.230978 | 2840385.15606 |
| 38 | 297590.181836 | 2840383.7577 |
| 39 | 297589.870161 | 2840381.95667 |
| 40 | 297589.487326 | 2840380.48756 |
| 41 | 297588.91303 | 2840378.28396 |
| 42 | 297588.792726 | 2840377.21743 |
| 43 | 297588.409982 | 2840375.74832 |
| 44 | 297588.694621 | 2840374.4207 |
| 45 | 297588.454015 | 2840372.28774 |
| 46 | 297588.213499 | 2840370.15478 |
| 47 | 297587.901825 | 2840368.35384 |
| 48 | 297587.256367 | 2840366.48207 |
| 49 | 297587.678214 | 2840359.63156 |
| 50 | 297586.480654 | 2840353.82578 |
| 51 | 297586.026659 | 2840352.6686 |
| 52 | 297586.382368 | 2840351.02906 |
| 53 | 297586.404474 | 2840349.29867 |
| 54 | 297586.49765 | 2840347.23645 |
| 55 | 297586.519576 | 2840345.50617 |
| 56 | 297586.20799 | 2840343.70513 |
| 57 | 297585.753905 | 2840342.56795 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 58 | 297584.917074 | 2840339.96167 |
| 59 | 297584.725612 | 2840339.22717 |
| 60 | 297584.414026 | 2840337.42614 |
| 61 | 297583.768568 | 2840335.55446 |
| 62 | 297583.051949 | 2840334.01461 |
| 63 | 297582.740272 | 2840332.21357 |
| 64 | 297582.620058 | 2840331.14704 |
| 65 | 297582.642075 | 2840329.41675 |
| 66 | 297582.592931 | 2840328.01839 |
| 67 | 297582.281345 | 2840326.21736 |
| 68 | 297582.2322 | 2840324.8189 |
| 69 | 297581.51558 | 2840323.27905 |
| 70 | 297581.012441 | 2840320.74351 |
| 71 | 297580.963298 | 2840319.34515 |
| 72 | 297580.843083 | 2840318.27862 |

POLÍGONO: Ejido San José del Barranco_8

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 287955.658708 | 2843237.26374 |
| 2 | 287955.670763 | 2843237.11416 |
| 3 | 287954.446727 | 2843237.83692 |
| 4 | 287952.783451 | 2843238.94542 |
| 5 | 287948.395289 | 2843242.19241 |
| 6 | 287947.154302 | 2843243.18961 |
| 7 | 287942.002574 | 2843247.70012 |
| 8 | 287940.769152 | 2843248.87669 |
| 9 | 287936.917503 | 2843252.87758 |
| 10 | 287935.801119 | 2843254.13957 |
| 11 | 287935.3371 | 2843254.73339 |
| 12 | 287930.744551 | 2843260.84444 |
| 13 | 287929.811237 | 2843262.19897 |
| 14 | 287926.441137 | 2843267.54802 |
| 15 | 287925.884407 | 2843268.48763 |
| 16 | 287925.535337 | 2843269.14359 |
| 17 | 287923.054364 | 2843274.02218 |
| 18 | 287922.244538 | 2843275.83137 |
| 19 | 287919.627611 | 2843282.55182 |
| 20 | 287919.363697 | 2843283.2702 |
| 21 | 287919.127469 | 2843283.99759 |
| 22 | 287917.364559 | 2843289.80278 |
| 23 | 287916.806702 | 2843292.13364 |
| 24 | 287915.735 | 2843298.19734 |
| 25 | 287915.680581 | 2843298.5209 |
| 26 | 287915.489703 | 2843300.13005 |
| 27 | 287915.013673 | 2843306.26036 |
| 28 | 287914.981198 | 2843306.75897 |
| 29 | 287913.857293 | 2843328.13926 |
| 30 | 287912.915626 | 2843343.13713 |
| 31 | 287912.196465 | 2843349.23565 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 32 | 287911.026583 | 2843354.8117 |
| 33 | 287909.386596 | 2843359.96306 |
| 34 | 287907.963708 | 2843363.21405 |
| 35 | 287906.134379 | 2843366.62203 |
| 36 | 287902.779156 | 2843371.71333 |
| 37 | 287899.342276 | 2843375.70781 |
| 38 | 287894.923962 | 2843379.74719 |
| 39 | 287891.77369 | 2843382.13358 |
| 40 | 287886.508051 | 2843385.1749 |
| 41 | 287882.781773 | 2843386.77075 |
| 42 | 287881.992008 | 2843397.49574 |
| 43 | 287881.893553 | 2843398.34013 |
| 44 | 287881.656788 | 2843399.4287 |
| 45 | 287879.476176 | 2843407.30868 |
| 46 | 287880.159217 | 2843418.79411 |
| 47 | 287883.924796 | 2843428.18105 |
| 48 | 287888.852972 | 2843426.95064 |
| 49 | 287890.609586 | 2843426.42544 |
| 50 | 287896.49557 | 2843424.36769 |
| 51 | 287897.035091 | 2843424.1703 |
| 52 | 287897.768954 | 2843423.87284 |
| 53 | 287903.35531 | 2843421.48045 |
| 54 | 287905.484587 | 2843420.41413 |
| 55 | 287912.862679 | 2843416.15269 |
| 56 | 287913.135514 | 2843415.99236 |
| 57 | 287914.936693 | 2843414.77591 |
| 58 | 287919.817907 | 2843411.07824 |
| 59 | 287920.840523 | 2843410.24936 |
| 60 | 287921.236251 | 2843409.89692 |
| 61 | 287927.221135 | 2843404.42551 |
| 62 | 287928.887261 | 2843402.70845 |
| 63 | 287933.940014 | 2843396.83579 |
| 64 | 287934.303897 | 2843396.40044 |
| 65 | 287935.47918 | 2843394.79667 |
| 66 | 287940.034483 | 2843387.68456 |
| 67 | 287940.813155 | 2843386.60057 |
| 68 | 287940.956415 | 2843386.33837 |
| 69 | 287943.591385 | 2843381.42971 |
| 70 | 287944.291971 | 2843379.98891 |
| 71 | 287946.455232 | 2843375.04614 |
| 72 | 287947.034101 | 2843373.56593 |
| 73 | 287947.190804 | 2843373.09423 |
| 74 | 287949.455596 | 2843365.98048 |
| 75 | 287949.972054 | 2843364.01942 |
| 76 | 287951.534008 | 2843356.57429 |
| 77 | 287951.709439 | 2843355.62503 |
| 78 | 287951.822454 | 2843354.80992 |
| 79 | 287952.710534 | 2843347.28059 |
| 80 | 287952.808866 | 2843346.19105 |
| 81 | 287953.791367 | 2843330.54247 |
| 82 | 287953.803016 | 2843330.33928 |
| 83 | 287954.919165 | 2843309.10811 |
| 84 | 287955.300439 | 2843304.19953 |
| 85 | 287955.993334 | 2843300.27916 |
| 86 | 287957.18506 | 2843296.355 |
| 87 | 287959.164069 | 2843291.27257 |
| 88 | 287960.779066 | 2843288.09655 |
| 89 | 287962.850271 | 2843284.80928 |
| 90 | 287962.338866 | 2843283.08421 |
| 91 | 287962.216199 | 2843281.24678 |
| 92 | 287961.971419 | 2843277.5783 |
| 93 | 287961.519631 | 2843275.465 |
| 94 | 287961.298622 | 2843274.01093 |
| 95 | 287960.897374 | 2843271.71535 |
| 96 | 287960.866171 | 2843270.31217 |
| 97 | 287960.496809 | 2843269.42295 |
| 98 | 287960.006955 | 2843266.7137 |
| 99 | 287960.025666 | 2843265.12864 |
| 100 | 287959.666718 | 2843263.45096 |
| 101 | 287959.586503 | 2843262.2409 |
| 102 | 287959.416806 | 2843260.61331 |
| 103 | 287958.929178 | 2843257.91908 |
| 104 | 287958.621116 | 2843256.06379 |
| 105 | 287957.986174 | 2843253.93169 |
| 106 | 287957.66899 | 2843252.86664 |
| 107 | 287957.589808 | 2843251.66473 |
| 108 | 287957.194128 | 2843249.40115 |
| 109 | 287956.92723 | 2843248.15491 |
| 110 | 287956.887938 | 2843247.5557 |
| 111 | 287956.720289 | 2843245.94322 |
| 112 | 287956.641644 | 2843244.74669 |
| 113 | 287956.474402 | 2843243.13709 |
| 114 | 287956.484669 | 2843242.35641 |
| 115 | 287956.406249 | 2843241.16266 |
| 116 | 287956.14027 | 2843239.92299 |

POLÍGONO: Ejido San José del Barranco_80

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 297620.922663 | 2840382.56403 |
| 2 | 297618.415758 | 2840376.96865 |
| 3 | 297594.838853 | 2840410.09782 |
| 4 | 297595.119661 | 2840411.17559 |
| 5 | 297595.431335 | 2840412.97662 |
| 6 | 297595.409318 | 2840414.70691 |
| 7 | 297595.52962 | 2840415.77334 |
| 8 | 297595.500871 | 2840415.90752 |
| 9 | 297599.209262 | 2840420.35402 |
| 10 | 297599.445694 | 2840420.63233 |
| 11 | 297601.181182 | 2840422.40298 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 12 | 297607.765485 | 2840428.33557 |
| 13 | 297608.532661 | 2840428.99243 |
| 14 | 297610.116567 | 2840430.15643 |
| 15 | 297618.404221 | 2840435.64053 |
| 16 | 297619.706467 | 2840436.43263 |
| 17 | 297620.629124 | 2840436.91572 |
| 18 | 297627.912491 | 2840440.49067 |
| 19 | 297629.264405 | 2840441.09317 |
| 20 | 297637.565821 | 2840444.43068 |
| 21 | 297638.473282 | 2840444.77011 |
| 22 | 297639.096018 | 2840444.97476 |
| 23 | 297646.95822 | 2840447.41583 |
| 24 | 297645.01408 | 2840445.2335 |
| 25 | 297644.083127 | 2840444.1885 |
| 26 | 297641.988483 | 2840441.83727 |
| 27 | 297640.651983 | 2840439.28425 |
| 28 | 297639.781049 | 2840437.25367 |
| 29 | 297639.435522 | 2840434.76018 |
| 30 | 297639.698225 | 2840434.52666 |
| 31 | 297639.55538 | 2840432.78903 |
| 32 | 297639.67533 | 2840430.81799 |
| 33 | 297639.449753 | 2840426.35345 |
| 34 | 297639.134281 | 2840423.36711 |
| 35 | 297639.344033 | 2840419.91766 |
| 36 | 297639.201372 | 2840418.17823 |
| 37 | 297639.028471 | 2840416.93133 |
| 38 | 297639.471146 | 2840413.7433 |
| 39 | 297639.531075 | 2840412.75773 |
| 40 | 297639.680989 | 2840410.29385 |
| 41 | 297639.770975 | 2840408.81564 |
| 42 | 297639.658186 | 2840406.58327 |
| 43 | 297639.778138 | 2840404.61232 |
| 44 | 297639.351328 | 2840401.53222 |
| 45 | 297633.436023 | 2840397.61772 |
| 46 | 297629.018497 | 2840393.63743 |
| 47 | 297624.480159 | 2840388.1959 |

POLÍGONO: Ejido San José del Barranco_81

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 297705.76151 | 2840423.07142 |
| 2 | 297701.24171 | 2840421.04723 |
| 3 | 297700.900705 | 2840421.6341 |
| 4 | 297698.010776 | 2840424.1808 |
| 5 | 297696.081763 | 2840427.27968 |
| 6 | 297695.263594 | 2840428.46704 |
| 7 | 297694.182719 | 2840429.88581 |
| 8 | 297693.394607 | 2840430.58034 |
| 9 | 297692.283765 | 2840432.49185 |
| 10 | 297691.172926 | 2840434.40356 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 11 | 297689.566554 | 2840436.28536 |
| 12 | 297688.718417 | 2840437.96536 |
| 13 | 297688.103021 | 2840439.90678 |
| 14 | 297686.729567 | 2840442.0498 |
| 15 | 297685.355935 | 2840444.19292 |
| 16 | 297684.537857 | 2840445.38019 |
| 17 | 297683.426929 | 2840447.2918 |
| 18 | 297682.376115 | 2840448.21794 |
| 19 | 297680.799803 | 2840449.607 |
| 20 | 297678.960697 | 2840451.22757 |
| 21 | 297677.647089 | 2840452.36512 |
| 22 | 297676.858889 | 2840453.07975 |
| 23 | 297675.04984 | 2840454.20748 |
| 24 | 297673.950034 | 2840454.62714 |
| 25 | 297676.339886 | 2840455.24821 |
| 26 | 297686.202458 | 2840458.14121 |
| 27 | 297692.611897 | 2840460.49184 |
| 28 | 297702.352339 | 2840464.51487 |
| 29 | 297708.357828 | 2840467.93864 |
| 30 | 297714.535893 | 2840472.18579 |
| 31 | 297720.164799 | 2840476.85477 |
| 32 | 297727.2793 | 2840483.86464 |
| 33 | 297732.257881 | 2840490.20472 |
| 34 | 297741.158423 | 2840504.95363 |
| 35 | 297752.243881 | 2840528.24107 |
| 36 | 297762.289224 | 2840549.41351 |
| 37 | 297763.1926 | 2840551.10339 |
| 38 | 297763.386732 | 2840551.42131 |
| 39 | 297770.743231 | 2840563.22155 |
| 40 | 297771.865393 | 2840564.83834 |
| 41 | 297775.403407 | 2840569.43596 |
| 42 | 297776.130051 | 2840570.32613 |
| 43 | 297776.82733 | 2840571.0909 |
| 44 | 297783.824692 | 2840578.37802 |
| 45 | 297785.656532 | 2840580.06222 |
| 46 | 297789.867358 | 2840583.46403 |
| 47 | 297791.130481 | 2840584.40473 |
| 48 | 297797.886669 | 2840589.03433 |
| 49 | 297799.457058 | 2840590.00702 |
| 50 | 297800.136271 | 2840590.36867 |
| 51 | 297806.480233 | 2840593.59021 |
| 52 | 297808.495813 | 2840594.47798 |
| 53 | 297816.683603 | 2840597.55733 |
| 54 | 297817.170883 | 2840597.73346 |
| 55 | 297819.505031 | 2840598.38759 |
| 56 | 297824.623396 | 2840599.49227 |
| 57 | 297824.180591 | 2840598.60764 |
| 58 | 297823.892441 | 2840597.48895 |
| 59 | 297823.405361 | 2840596.06339 |
| 60 | 297823.062268 | 2840595.19726 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 61 | 297823.027903 | 2840594.13311 |
| 62 | 297822.28704 | 2840592.65311 |
| 63 | 297821.655887 | 2840590.6683 |
| 64 | 297821.367736 | 2840589.54962 |
| 65 | 297820.626871 | 2840588.06952 |
| 66 | 297820.030082 | 2840587.14886 |
| 67 | 297819.851553 | 2840585.52547 |
| 68 | 297819.453784 | 2840584.91169 |
| 69 | 297818.369914 | 2840582.56537 |
| 70 | 297817.375264 | 2840581.03084 |
| 71 | 297816.888093 | 2840579.60528 |
| 72 | 297816.291303 | 2840578.68462 |
| 73 | 297815.804313 | 2840577.25905 |
| 74 | 297815.715003 | 2840576.44735 |
| 75 | 297814.830062 | 2840574.40801 |
| 76 | 297814.144051 | 2840572.67556 |
| 77 | 297813.965522 | 2840571.05217 |
| 78 | 297813.478442 | 2840569.6267 |
| 79 | 297812.737665 | 2840568.1466 |
| 80 | 297812.703209 | 2840567.08245 |
| 81 | 297812.161273 | 2840565.90934 |
| 82 | 297812.270984 | 2840565.40452 |
| 83 | 297812.54517 | 2840564.14254 |
| 84 | 297812.8743 | 2840562.62811 |
| 85 | 297813.367907 | 2840560.3565 |
| 86 | 297813.971132 | 2840557.57999 |
| 87 | 297814.300266 | 2840556.06575 |
| 88 | 297814.883002 | 2840554.60575 |
| 89 | 297815.570088 | 2840552.65666 |
| 90 | 297814.392993 | 2840551.84998 |
| 91 | 297811.804852 | 2840549.75916 |
| 92 | 297806.439531 | 2840544.17143 |
| 93 | 297804.169464 | 2840541.22165 |
| 94 | 297797.940323 | 2840531.22973 |
| 95 | 297788.377516 | 2840511.07433 |
| 96 | 297776.854464 | 2840486.86767 |
| 97 | 297775.940877 | 2840485.16569 |
| 98 | 297765.873723 | 2840468.48327 |
| 99 | 297764.479735 | 2840466.46444 |
| 100 | 297757.955964 | 2840458.15686 |
| 101 | 297757.34925 | 2840457.42111 |
| 102 | 297756.263138 | 2840456.26237 |
| 103 | 297747.632237 | 2840447.75829 |
| 104 | 297746.363509 | 2840446.61081 |
| 105 | 297739.380629 | 2840440.81876 |
| 106 | 297739.232838 | 2840440.69734 |
| 107 | 297737.941854 | 2840439.73106 |
| 108 | 297730.326525 | 2840434.49584 |
| 109 | 297728.902089 | 2840433.60245 |
| 110 | 297721.065177 | 2840429.13444 |
| 111 | 297720.894379 | 2840429.03819 |
| 112 | 297718.79393 | 2840428.02356 |
| 113 | 297707.50993 | 2840423.36315 |

POLÍGONO: Ejido San José del Barranco_82

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 298105.903371 | 2840643.39311 |
| 2 | 298107.565156 | 2840643.18696 |
| 3 | 298108.863678 | 2840643.25699 |
| 4 | 298110.500924 | 2840643.21873 |
| 5 | 298110.860224 | 2840642.94331 |
| 6 | 298111.697255 | 2840642.75698 |
| 7 | 298113.329993 | 2840642.71918 |
| 8 | 298113.827123 | 2840642.64097 |
| 9 | 298114.820574 | 2840642.48475 |
| 10 | 298116.149425 | 2840642.22138 |
| 11 | 298117.298934 | 2840642.09517 |
| 12 | 298118.093726 | 2840642.24292 |
| 13 | 298118.92391 | 2840642.0577 |
| 14 | 298120.070532 | 2840641.93173 |
| 15 | 298120.932609 | 2840641.41498 |
| 16 | 298121.566921 | 2840641.53288 |
| 17 | 298122.551634 | 2840641.37609 |
| 18 | 298123.202027 | 2840641.33023 |
| 19 | 298124.343334 | 2840641.20504 |
| 20 | 298125.641502 | 2840641.10936 |
| 21 | 298127.269755 | 2840640.90731 |
| 22 | 298128.408462 | 2840640.78259 |
| 23 | 298129.240487 | 2840640.43428 |
| 24 | 298129.886553 | 2840640.38688 |
| 25 | 298130.890298 | 2840639.90405 |
| 26 | 298131.548857 | 2840639.69244 |
| 27 | 298132.206697 | 2840639.48103 |
| 28 | 298133.034706 | 2840639.135 |
| 29 | 298133.677528 | 2840639.08806 |
| 30 | 298134.673463 | 2840638.60833 |
| 31 | 298135.654472 | 2840638.29316 |
| 32 | 298136.621443 | 2840638.14153 |
| 33 | 298137.116764 | 2840637.9028 |
| 34 | 298137.768313 | 2840637.69339 |
| 35 | 298138.419051 | 2840637.48419 |
| 36 | 298139.718465 | 2840637.06661 |
| 37 | 298140.355699 | 2840637.02045 |
| 38 | 298141.171136 | 2840636.67899 |
| 39 | 298141.974412 | 2840636.49996 |
| 40 | 298142.297579 | 2840636.39599 |
| 41 | 298143.890262 | 2840636.20066 |
| 42 | 298145.314376 | 2840636.13824 |
| 43 | 298147.048677 | 2840636.13388 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 44 | 298147.681315 | 2840636.08828 |
| 45 | 298148.945597 | 2840635.9971 |
| 46 | 298149.741666 | 2840635.81918 |
| 47 | 298150.372678 | 2840635.7736 |
| 48 | 298151.175335 | 2840635.43504 |
| 49 | 298151.494359 | 2840635.33183 |
| 50 | 298152.598096 | 2840635.2125 |
| 51 | 298153.382353 | 2840635.19608 |
| 52 | 298154.018334 | 2840634.9903 |
| 53 | 298154.815954 | 2840634.6531 |
| 54 | 298155.612229 | 2840634.31652 |
| 55 | 298156.400469 | 2840634.14041 |
| 56 | 298157.664791 | 2840633.73124 |
| 57 | 298158.61117 | 2840633.42507 |
| 58 | 298159.229452 | 2840633.54003 |
| 59 | 298159.864935 | 2840633.1768 |
| 60 | 298160.95687 | 2840633.05934 |
| 61 | 298161.893223 | 2840632.91336 |
| 62 | 298162.679341 | 2840632.57993 |
| 63 | 298163.146572 | 2840632.50715 |
| 64 | 298163.613532 | 2840632.43438 |
| 65 | 298165.166753 | 2840632.24504 |
| 66 | 298166.252019 | 2840632.12848 |
| 67 | 298166.721181 | 2840631.89763 |
| 68 | 298167.496999 | 2840631.72419 |
| 69 | 298168.115127 | 2840631.68051 |
| 70 | 298168.425699 | 2840631.57972 |
| 71 | 298169.506729 | 2840631.46373 |
| 72 | 298170.282688 | 2840631.13324 |
| 73 | 298170.745416 | 2840631.06123 |
| 74 | 298171.825775 | 2840630.7883 |
| 75 | 298171.979101 | 2840630.81686 |
| 76 | 298173.059518 | 2840630.38737 |
| 77 | 298173.828319 | 2840630.21564 |
| 78 | 298175.057837 | 2840629.81597 |
| 79 | 298176.129591 | 2840629.70161 |
| 80 | 298176.74237 | 2840629.50226 |
| 81 | 298177.812746 | 2840629.23197 |
| 82 | 298178.728478 | 2840629.08989 |
| 83 | 298179.948032 | 2840628.84862 |
| 84 | 298181.165807 | 2840628.76343 |
| 85 | 298181.773349 | 2840628.4097 |
| 86 | 298182.533169 | 2840628.39565 |
| 87 | 298183.291617 | 2840628.22607 |
| 88 | 298184.503698 | 2840627.98621 |
| 89 | 298185.260078 | 2840627.81726 |
| 90 | 298185.411863 | 2840627.84544 |
| 91 | 298186.335646 | 2840627.88242 |
| 92 | 298186.244102 | 2840627.26079 |
| 93 | 298185.840614 | 2840625.56309 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 95 | 298184.598458 | 2840622.30524 |
| 96 | 298183.769198 | 2840620.76997 |
| 97 | 298182.809364 | 2840619.31262 |
| 98 | 298181.726171 | 2840617.94454 |
| 99 | 298180.527907 | 2840616.67616 |
| 100 | 298179.223654 | 2840615.51692 |
| 101 | 298177.823214 | 2840614.47584 |
| 102 | 298176.337452 | 2840613.56072 |
| 103 | 298174.777585 | 2840612.77876 |
| 104 | 298173.155528 | 2840612.13557 |
| 105 | 298171.483551 | 2840611.63613 |
| 106 | 298169.774355 | 2840611.28445 |
| 107 | 298168.041074 | 2840611.08301 |
| 108 | 298166.296829 | 2840611.0335 |
| 109 | 298164.554896 | 2840611.13603 |
| 110 | 298162.828455 | 2840611.39019 |
| 111 | 298161.543457 | 2840611.68109 |
| 112 | 298160.280509 | 2840612.05605 |
| 113 | 298139.371876 | 2840619.01984 |
| 114 | 298122.785916 | 2840624.4316 |
| 115 | 298112.77538 | 2840627.10567 |
| 116 | 298105.751705 | 2840628.36719 |
| 117 | 298099.746057 | 2840628.73719 |
| 118 | 298092.900659 | 2840628.29575 |
| 119 | 298086.109214 | 2840626.89545 |
| 120 | 298081.744301 | 2840625.42066 |
| 121 | 298075.081588 | 2840622.23105 |
| 122 | 298069.836355 | 2840618.65595 |
| 123 | 298063.651356 | 2840612.9672 |
| 124 | 298057.95895 | 2840606.27324 |
| 125 | 298045.686021 | 2840588.93681 |
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| 127 | 298033.265826 | 2840571.06232 |
| 128 | 298025.445613 | 2840560.94405 |
| 129 | 298024.744416 | 2840560.08696 |
| 130 | 298024.509529 | 2840559.82038 |
| 131 | 298020.305296 | 2840555.13299 |
| 132 | 298018.944152 | 2840553.7558 |
| 133 | 298012.964214 | 2840548.26424 |
| 134 | 298012.057504 | 2840547.48043 |
| 135 | 298011.528652 | 2840547.06486 |
| 136 | 298006.904696 | 2840543.55497 |
| 137 | 298005.875058 | 2840542.82346 |
| 138 | 297999.184458 | 2840538.38129 |
| 139 | 297997.856883 | 2840537.5722 |
| 140 | 297996.809877 | 2840537.02869 |
| 141 | 297991.574065 | 2840534.50331 |
| 142 | 297989.894325 | 2840533.78588 |
| 143 | 297985.610775 | 2840532.18302 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 146 | 297979.038254 | 2840530.26593 |
| 147 | 297978.316626 | 2840530.07811 |
| 148 | 297972.785357 | 2840528.74776 |
| 149 | 297971.281009 | 2840528.4465 |
| 150 | 297970.52811 | 2840528.34017 |
| 151 | 297963.976586 | 2840527.54155 |
| 152 | 297962.141658 | 2840527.40317 |
| 153 | 297955.825067 | 2840527.21812 |
| 154 | 297954.935156 | 2840527.21184 |
| 155 | 297953.872264 | 2840527.25632 |
| 156 | 297943.109178 | 2840527.99399 |
| 157 | 297940.703765 | 2840528.30625 |
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| 159 | 297933.248921 | 2840529.93038 |
| 160 | 297931.262355 | 2840530.47343 |
| 161 | 297923.31172 | 2840533.09416 |
| 162 | 297922.604131 | 2840533.3421 |
| 163 | 297913.311464 | 2840536.79612 |
| 164 | 297913.153965 | 2840536.85542 |
| 165 | 297912.501592 | 2840537.11758 |
| 166 | 297898.872001 | 2840542.87104 |
| 167 | 297898.60912 | 2840542.98426 |
| 168 | 297882.351428 | 2840550.12307 |
| 169 | 297870.875891 | 2840555.04535 |
| 170 | 297859.83167 | 2840558.81698 |
| 171 | 297852.211133 | 2840560.86201 |
| 172 | 297844.153151 | 2840561.66279 |
| 173 | 297836.502024 | 2840561.13062 |
| 174 | 297829.386493 | 2840559.59497 |
| 175 | 297823.610656 | 2840557.42266 |
| 176 | 297819.418411 | 2840555.2937 |
| 177 | 297817.190258 | 2840553.76691 |
| 178 | 297817.022907 | 2840554.53697 |
| 179 | 297816.803577 | 2840555.54659 |
| 180 | 297817.091817 | 2840556.66518 |
| 181 | 297816.817541 | 2840557.92726 |
| 182 | 297816.906762 | 2840558.73905 |
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| 185 | 297816.536738 | 2840562.88641 |
| 186 | 297816.372262 | 2840563.64358 |
| 187 | 297816.351772 | 2840564.96009 |
| 188 | 297816.187297 | 2840565.71735 |
| 189 | 297816.057186 | 2840567.53867 |
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| 193 | 297817.408716 | 2840572.31999 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 196 | 297819.761514 | 2840574.93686 |
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| 198 | 297821.20879 | 2840576.83481 |
| 199 | 297821.750723 | 2840578.00782 |
| 200 | 297822.093819 | 2840578.87414 |
| 201 | 297822.436823 | 2840579.74027 |
| 202 | 297823.177598 | 2840581.22037 |
| 203 | 297823.664768 | 2840582.64594 |
| 204 | 297823.753987 | 2840583.45763 |
| 205 | 297824.241067 | 2840584.8832 |
| 206 | 297824.927076 | 2840586.61566 |
| 207 | 297825.414243 | 2840588.04102 |
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| 209 | 297826.587331 | 2840591.19905 |
| 210 | 297827.671108 | 2840593.54527 |
| 211 | 297828.014202 | 2840594.4115 |
| 212 | 297828.446515 | 2840596.08942 |
| 213 | 297828.734665 | 2840597.20811 |
| 214 | 297829.166888 | 2840598.88603 |
| 215 | 297829.256107 | 2840599.69773 |
| 216 | 297829.598451 | 2840600.56217 |
| 217 | 297830.511378 | 2840600.73391 |
| 218 | 297832.296654 | 2840600.9391 |
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| 220 | 297844.75536 | 2840601.73366 |
| 221 | 297846.428582 | 2840601.63782 |
| 222 | 297857.794233 | 2840600.50843 |
| 223 | 297859.589296 | 2840600.2475 |
| 224 | 297861.001023 | 2840599.92296 |
| 225 | 297870.848024 | 2840597.28018 |
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| 227 | 297877.181382 | 2840595.16458 |
| 228 | 297877.253654 | 2840594.78081 |
| 229 | 297877.430347 | 2840593.8413 |
| 230 | 297877.760801 | 2840593.12485 |
| 231 | 297878.279993 | 2840592.4435 |
| 232 | 297878.799273 | 2840591.76205 |
| 233 | 297879.353985 | 2840590.89281 |
| 234 | 297879.719688 | 2840589.96848 |
| 235 | 297880.238879 | 2840589.30703 |
| 236 | 297880.344984 | 2840588.74328 |
| 237 | 297880.899604 | 2840587.87394 |
| 238 | 297881.643145 | 2840587.03989 |
| 239 | 297881.973599 | 2840586.32335 |
| 240 | 297882.646372 | 2840585.86507 |
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| 242 | 297884.098203 | 2840584.38466 |
| 243 | 297885.066091 | 2840583.39771 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 245 | 297886.328823 | 2840581.88211 |
| 246 | 297887.226036 | 2840581.27114 |
| 247 | 297887.898899 | 2840580.81276 |
| 248 | 297888.571763 | 2840580.35448 |
| 249 | 297889.020278 | 2840580.04889 |
| 250 | 297889.728479 | 2840579.40263 |
| 251 | 297890.955965 | 2840578.07501 |
| 252 | 297891.817747 | 2840577.65182 |
| 253 | 297892.714958 | 2840577.04064 |
| 254 | 297893.317146 | 2840576.95823 |
| 255 | 297894.025258 | 2840576.31197 |
| 256 | 297894.887131 | 2840575.88877 |
| 257 | 297895.300308 | 2840575.77117 |
| 258 | 297895.973081 | 2840575.31279 |
| 259 | 297897.248132 | 2840574.772 |
| 260 | 297898.216022 | 2840573.78506 |
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| 263 | 297900.801462 | 2840572.51548 |
| 264 | 297901.285407 | 2840572.02201 |
| 265 | 297902.938205 | 2840571.5514 |
| 266 | 297903.799988 | 2840571.12821 |
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| 272 | 297909.39609 | 2840569.44597 |
| 273 | 297910.257875 | 2840569.02288 |
| 274 | 297911.686416 | 2840568.70506 |
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| 278 | 297915.145773 | 2840567.98681 |
| 279 | 297916.574316 | 2840567.66909 |
| 280 | 297917.58968 | 2840567.46897 |
| 281 | 297918.380785 | 2840567.42155 |
| 282 | 297919.20714 | 2840567.18625 |
| 283 | 297920.824689 | 2840566.90352 |
| 284 | 297921.651226 | 2840566.66831 |
| 285 | 297922.442152 | 2840566.62099 |
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| 289 | 297927.637302 | 2840566.03107 |
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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
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| 306 | 297944.22563 | 2840563.08669 |
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| 322 | 297960.802795 | 2840562.27964 |
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| 330 | 297968.678242 | 2840561.99362 |
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| 335 | 297973.625836 | 2840562.7192 |
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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
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| 434 | 298042.863554 | 2840623.70241 |
| 435 | 298043.535239 | 2840624.32955 |
| 436 | 298043.969881 | 2840624.57795 |
| 437 | 298044.681949 | 2840625.04593 |
| 438 | 298045.275444 | 2840625.3241 |
| 439 | 298045.830753 | 2840625.76338 |
| 440 | 298046.425069 | 2840626.04213 |
| 441 | 298047.931133 | 2840626.65877 |
| 442 | 298049.755628 | 2840627.33504 |
| 443 | 298050.790043 | 2840627.86479 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 444 | 298051.349908 | 2840628.3068 |
| 445 | 298051.873598 | 2840628.91158 |
| 446 | 298052.398298 | 2840629.51745 |
| 447 | 298052.923735 | 2840630.1243 |
| 448 | 298053.52315 | 2840630.40576 |
| 449 | 298054.245611 | 2840630.88017 |
| 450 | 298054.845935 | 2840631.16202 |
| 451 | 298055.410642 | 2840631.60774 |
| 452 | 298055.852482 | 2840631.8604 |
| 453 | 298057.250412 | 2840632.29085 |
| 454 | 298058.011858 | 2840632.60323 |
| 455 | 298058.897994 | 2840633.10973 |
| 456 | 298059.820014 | 2840633.45215 |
| 457 | 298061.061547 | 2840633.85408 |
| 458 | 298062.782712 | 2840634.34538 |
| 459 | 298063.421012 | 2840634.46412 |
| 460 | 298064.538215 | 2840634.67183 |
| 461 | 298065.495842 | 2840634.84978 |
| 462 | 298066.739734 | 2840635.25248 |
| 463 | 298067.378304 | 2840635.37121 |
| 464 | 298068.336115 | 2840635.54936 |
| 465 | 298069.293925 | 2840635.72751 |
| 466 | 298070.539447 | 2840636.13049 |
| 467 | 298071.625849 | 2840636.50399 |
| 468 | 298072.233437 | 2840636.78852 |
| 469 | 298073.001417 | 2840637.10299 |
| 470 | 298073.929606 | 2840637.44731 |
| 471 | 298074.888775 | 2840637.62574 |
| 472 | 298075.688188 | 2840637.77441 |
| 473 | 298076.647356 | 2840637.95274 |
| 474 | 298077.736753 | 2840638.3273 |
| 475 | 298078.37641 | 2840638.44621 |
| 476 | 298079.306776 | 2840638.7912 |
| 477 | 298080.10655 | 2840638.93987 |
| 478 | 298080.906325 | 2840639.08864 |
| 479 | 298081.780546 | 2840639.76771 |
| 480 | 298082.901281 | 2840639.97617 |
| 481 | 298083.70178 | 2840640.12503 |
| 482 | 298084.502279 | 2840640.27388 |
| 483 | 298085.27525 | 2840640.58997 |
| 484 | 298086.5293 | 2840640.99561 |
| 485 | 298087.49046 | 2840641.17431 |
| 486 | 298088.932155 | 2840641.44245 |
| 487 | 298089.41278 | 2840641.5316 |
| 488 | 298090.053524 | 2840641.651 |
| 489 | 298090.694267 | 2840641.7701 |
| 490 | 298091.335101 | 2840641.8893 |
| 491 | 298091.975844 | 2840642.0085 |
| 492 | 298093.577748 | 2840642.3064 |
| 493 | 298094.378698 | 2840642.45525 |
| 494 | 298095.500066 | 2840642.6638 |
| 495 | 298096.140808 | 2840642.7829 |
| 496 | 298097.262177 | 2840642.99145 |
| 497 | 298097.926914 | 2840642.94257 |
| 498 | 298099.094916 | 2840642.81508 |
| 499 | 298099.735205 | 2840642.93409 |
| 500 | 298100.695462 | 2840643.1128 |
| 501 | 298101.175633 | 2840643.20206 |
| 502 | 298102.158617 | 2840643.21262 |
| 503 | 298102.63861 | 2840643.30197 |
| 504 | 298104.100771 | 2840643.4017 |
| 505 | 298105.263896 | 2840643.27419 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 298151.960192 | 2840656.99174 |
| 2 | 298172.921601 | 2840650.01032 |
| 3 | 298173.7272 | 2840649.72273 |
| 4 | 298175.329031 | 2840649.0305 |
| 5 | 298176.864393 | 2840648.20147 |
| 6 | 298178.321635 | 2840647.24159 |
| 7 | 298179.689673 | 2840646.1584 |
| 8 | 298180.958067 | 2840644.96004 |
| 9 | 298182.117292 | 2840643.65571 |
| 10 | 298183.158378 | 2840642.25532 |
| 11 | 298184.073452 | 2840640.76965 |
| 12 | 298184.855458 | 2840639.20977 |
| 13 | 298185.498706 | 2840637.58763 |
| 14 | 298185.998061 | 2840635.91576 |
| 15 | 298186.110827 | 2840635.36756 |
| 16 | 298185.324264 | 2840635.3571 |
| 17 | 298185.018044 | 2840635.45902 |
| 18 | 298183.943462 | 2840635.5774 |
| 19 | 298182.71508 | 2840635.98642 |
| 20 | 298181.945626 | 2840636.16264 |
| 21 | 298181.17536 | 2840636.33898 |
| 22 | 298180.558522 | 2840636.38424 |
| 23 | 298179.632769 | 2840636.37211 |
| 24 | 298179.015208 | 2840636.41738 |
| 25 | 298178.552153 | 2840636.33124 |
| 26 | 298177.778912 | 2840636.50793 |
| 27 | 298177.00288 | 2840637.00573 |
| 28 | 298176.382257 | 2840637.21188 |
| 29 | 298175.762174 | 2840637.25758 |
| 30 | 298174.986955 | 2840637.27446 |
| 31 | 298174.362736 | 2840637.642 |
| 32 | 298173.741299 | 2840637.68772 |
| 33 | 298172.960239 | 2840638.02716 |
| 34 | 298172.337631 | 2840638.0731 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 35 | 298171.401788 | 2840638.22286 |
| 36 | 298170.930816 | 2840638.45942 |
| 37 | 298170.148581 | 2840638.63843 |
| 38 | 298169.362309 | 2840638.97954 |
| 39 | 298168.574781 | 2840639.32126 |
| 40 | 298167.785911 | 2840639.6637 |
| 41 | 298167.4707 | 2840639.76825 |
| 42 | 298166.835894 | 2840640.14034 |
| 43 | 298166.364015 | 2840640.21627 |
| 44 | 298165.73591 | 2840640.263 |
| 45 | 298164.465117 | 2840640.84635 |
| 46 | 298163.835303 | 2840640.8935 |
| 47 | 298163.195472 | 2840641.26766 |
| 48 | 298162.241397 | 2840641.58431 |
| 49 | 298161.129027 | 2840641.87228 |
| 50 | 298160.647827 | 2840642.11318 |
| 51 | 298159.852103 | 2840642.29599 |
| 52 | 298159.218595 | 2840642.34369 |
| 53 | 298158.735508 | 2840642.58522 |
| 54 | 298157.937625 | 2840642.76856 |
| 55 | 298157.138932 | 2840642.95211 |
| 56 | 298155.853468 | 2840643.37834 |
| 57 | 298155.367057 | 2840643.62101 |
| 58 | 298155.037691 | 2840643.89329 |
| 59 | 298154.40004 | 2840643.94175 |
| 60 | 298153.596851 | 2840644.12656 |
| 61 | 298152.469193 | 2840644.41876 |
| 62 | 298152.137316 | 2840644.69216 |
| 63 | 298150.848749 | 2840644.95601 |
| 64 | 298150.041241 | 2840645.14179 |
| 65 | 298148.907289 | 2840645.43577 |
| 66 | 298148.106644 | 2840645.45532 |
| 67 | 298147.631726 | 2840645.36708 |
| 68 | 298146.811234 | 2840645.72047 |
| 69 | 298146.009056 | 2840645.74014 |
| 70 | 298145.365184 | 2840645.7893 |
| 71 | 298144.551824 | 2840645.97626 |
| 72 | 298144.055082 | 2840646.22248 |
| 73 | 298143.568347 | 2840646.30134 |
| 74 | 298142.435128 | 2840646.42978 |
| 75 | 298141.459587 | 2840646.58792 |
| 76 | 298140.801028 | 2840646.80541 |
| 77 | 298140.15328 | 2840646.85503 |
| 78 | 298139.003936 | 2840647.15233 |
| 79 | 298138.183554 | 2840647.3408 |
| 80 | 298138.024251 | 2840647.31113 |
| 81 | 298136.896433 | 2840647.27219 |
| 82 | 298136.246343 | 2840647.32213 |
| 83 | 298135.423348 | 2840647.51094 |
| 84 | 298134.280124 | 2840647.64064 |
| 85 | 298133.628319 | 2840647.69071 |
| 86 | 298132.816399 | 2840647.71113 |
| 87 | 298132.163783 | 2840647.76132 |
| 88 | 298131.510715 | 2840647.81141 |
| 89 | 298130.683035 | 2840648.00099 |
| 90 | 298129.694611 | 2840648.16112 |
| 91 | 298129.024977 | 2840648.38077 |
| 92 | 298128.544896 | 2840648.29151 |
| 93 | 298127.378439 | 2840648.59177 |
| 94 | 298126.53069 | 2840648.95215 |
| 95 | 298125.697341 | 2840649.143 |
| 96 | 298124.702523 | 2840649.30433 |
| 97 | 298124.044047 | 2840649.3551 |
| 98 | 298123.529319 | 2840649.60628 |
| 99 | 298123.047336 | 2840649.51665 |
| 100 | 298122.193385 | 2840649.87892 |
| 101 | 298121.355087 | 2840650.07095 |
| 102 | 298120.193842 | 2840650.20331 |
| 103 | 298119.532213 | 2840650.25463 |
| 104 | 298118.530007 | 2840650.41706 |
| 105 | 298117.185698 | 2840650.69123 |
| 106 | 298116.038108 | 2840650.65268 |
| 107 | 298115.876722 | 2840650.62265 |
| 108 | 298114.167103 | 2840651.1808 |
| 109 | 298112.996937 | 2840651.3144 |
| 110 | 298109.195999 | 2840651.31104 |
| 111 | 298108.527605 | 2840651.36286 |
| 112 | 298107.696922 | 2840651.38467 |
| 113 | 298106.034201 | 2840651.4283 |
| 114 | 298104.693712 | 2840651.53211 |
| 115 | 298103.536282 | 2840651.49371 |
| 116 | 298101.219702 | 2840651.41675 |
| 117 | 298098.364972 | 2840651.59471 |
| 118 | 298097.690982 | 2840651.64682 |
| 119 | 298095.716042 | 2840651.45734 |
| 120 | 298093.389434 | 2840651.38013 |
| 121 | 298092.250859 | 2840651.16836 |
| 122 | 298091.762988 | 2840651.07762 |
| 123 | 298090.949811 | 2840650.92637 |
| 124 | 298089.811328 | 2840650.71479 |
| 125 | 298089.133904 | 2840650.76666 |
| 126 | 298088.320544 | 2840650.6153 |
| 127 | 298087.66984 | 2840650.49436 |
| 128 | 298086.205597 | 2840650.22217 |
| 129 | 298085.392147 | 2840650.07082 |
| 130 | 298084.741352 | 2840649.94988 |
| 131 | 298083.927994 | 2840649.79863 |
| 132 | 298083.277197 | 2840649.67749 |
| 133 | 298082.463749 | 2840649.52634 |
| 134 | 298081.324993 | 2840649.31457 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 135 | 298060.348799 | 2840649.13301 |
| 136 | 298079.698095 | 2840649.01207 |
| 137 | 298078.884646 | 2840648.86082 |
| 138 | 298078.396594 | 2840648.76999 |
| 139 | 298077.257837 | 2840648.55822 |
| 140 | 298076.312257 | 2840648.2045 |
| 141 | 298075.49908 | 2840648.05334 |
| 142 | 298073.903882 | 2840647.57886 |
| 143 | 298073.25354 | 2840647.45802 |
| 144 | 298072.309773 | 2840647.10476 |
| 145 | 298071.984736 | 2840647.04424 |
| 146 | 298070.52185 | 2840646.77223 |
| 147 | 298070.196724 | 2840646.7118 |
| 148 | 298068.766539 | 2840646.26829 |
| 149 | 298067.62914 | 2840646.0568 |
| 150 | 298066.654124 | 2840645.87553 |
| 151 | 298065.746507 | 2840645.35192 |
| 152 | 298064.447358 | 2840645.1102 |
| 153 | 298063.344839 | 2840644.72798 |
| 154 | 298062.567629 | 2840644.40627 |
| 155 | 298061.756081 | 2840644.25539 |
| 156 | 298061.141797 | 2840643.96409 |
| 157 | 298060.365676 | 2840643.64277 |
| 158 | 298059.625529 | 2840643.15149 |
| 159 | 298058.8505 | 2840642.83075 |
| 160 | 298057.878111 | 2840642.65003 |
| 161 | 298056.905719 | 2840642.46911 |
| 162 | 298056.168121 | 2840641.97909 |
| 163 | 298055.520221 | 2840641.8585 |
| 164 | 298055.394815 | 2840641.65882 |
| 165 | 298054.783805 | 2840641.36906 |
| 166 | 298053.724803 | 2840640.81996 |
| 167 | 298049.89993 | 2840638.35399 |
| 168 | 298045.975293 | 2840635.70589 |
| 169 | 298045.167634 | 2840634.86118 |
| 170 | 298044.443532 | 2840634.37983 |
| 171 | 298043.920205 | 2840633.76327 |
| 172 | 298042.956831 | 2840632.89323 |
| 173 | 298042.075718 | 2840632.38457 |
| 174 | 298041.315516 | 2840632.07087 |
| 175 | 298040.276195 | 2840631.53333 |
| 176 | 298039.877445 | 2840631.11538 |
| 177 | 298039.200491 | 2840630.47436 |
| 178 | 298038.52464 | 2840629.83452 |
| 179 | 298037.808937 | 2840629.35921 |
| 180 | 298037.135281 | 2840628.72123 |
| 181 | 298036.303513 | 2840628.05477 |
| 182 | 298035.908975 | 2840627.64064 |
| 183 | 298035.079583 | 2840626.97604 |
| 184 | 298034.368447 | 2840626.50405 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 185 | 298033.541433 | 2840625.8414 |
| 186 | 298032.715971 | 2840625.17992 |
| 187 | 298032.050369 | 2840624.54899 |
| 188 | 298031.501558 | 2840624.10941 |
| 189 | 298030.953567 | 2840623.67031 |
| 190 | 298030.247818 | 2840623.20223 |
| 191 | 298029.701106 | 2840622.76411 |
| 192 | 298028.838873 | 2840622.26772 |
| 193 | 298028.293621 | 2840621.83058 |
| 194 | 298027.318897 | 2840621.14656 |
| 195 | 298026.389816 | 2840620.30469 |
| 196 | 298026.004891 | 2840619.89919 |
| 197 | 298025.192045 | 2840619.24778 |
| 198 | 298024.49369 | 2840618.78497 |
| 199 | 298024.110506 | 2840618.38113 |
| 200 | 298023.458081 | 2840617.76156 |
| 201 | 298022.806754 | 2840617.14298 |
| 202 | 298021.954828 | 2840616.6534 |
| 203 | 298021.14884 | 2840616.00757 |
| 204 | 298020.612457 | 2840615.57767 |
| 205 | 298020.389705 | 2840615.20637 |
| 206 | 298019.475817 | 2840614.37792 |
| 207 | 298019.097673 | 2840613.9789 |
| 208 | 298018.453398 | 2840613.36678 |
| 209 | 298017.699953 | 2840612.57157 |
| 210 | 298017.43391 | 2840612.35838 |
| 211 | 298016.792386 | 2840611.74901 |
| 212 | 298016.151961 | 2840611.14062 |
| 213 | 298015.933166 | 2840610.77424 |
| 214 | 298015.13889 | 2840610.1385 |
| 215 | 298014.547915 | 2840609.37928 |
| 216 | 298014.066662 | 2840608.80384 |
| 217 | 298013.787993 | 2840608.10524 |
| 218 | 298013.679749 | 2840607.92363 |
| 219 | 298012.782732 | 2840607.11187 |
| 220 | 298012.613886 | 2840606.59775 |
| 221 | 298012.08932 | 2840606.17883 |
| 222 | 298011.766896 | 2840605.63745 |
| 223 | 298011.136383 | 2840605.03957 |
| 224 | 298010.400199 | 2840604.26303 |
| 225 | 298010.080081 | 2840603.7248 |
| 226 | 298009.452778 | 2840603.13016 |
| 227 | 298009.027829 | 2840602.41506 |
| 228 | 298008.662082 | 2840602.02959 |
| 229 | 298008.037533 | 2840601.4379 |
| 230 | 298007.56732 | 2840600.87575 |
| 231 | 298006.944695 | 2840600.28592 |
| 232 | 298006.734387 | 2840599.93127 |
| 233 | 298006.161366 | 2840599.1947 |
| 234 | 298005.646141 | 2840598.78431 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 235 | 298005.589813 | 2840598.45961 |
| 236 | 298005.019371 | 2840597.72638 |
| 237 | 298004.346217 | 2840596.81904 |
| 238 | 298003.986074 | 2840596.43977 |
| 239 | 298003.41913 | 2840595.71088 |
| 240 | 298002.853472 | 2840594.98346 |
| 241 | 298002.695936 | 2840594.4885 |
| 242 | 298001.882548 | 2840594.02714 |
| 243 | 298001.217404 | 2840593.12984 |
| 244 | 298000.65626 | 2840592.40823 |
| 245 | 298000.300525 | 2840592.03388 |
| 246 | 297999.488373 | 2840591.1138 |
| 247 | 297998.628873 | 2840590.34033 |
| 248 | 297998.174017 | 2840589.79639 |
| 249 | 297997.468331 | 2840589.05386 |
| 250 | 297996.764203 | 2840588.31281 |
| 251 | 297996.262265 | 2840587.91507 |
| 252 | 297995.861017 | 2840587.23239 |
| 253 | 297995.059955 | 2840586.7799 |
| 254 | 297994.739729 | 2840586.63211 |
| 255 | 298001.295753 | 2840595.1148 |
| 256 | 298012.866016 | 2840611.81216 |
| 257 | 298012.982053 | 2840611.97771 |
| 258 | 298025.822698 | 2840630.11384 |
| 259 | 298026.910094 | 2840631.51374 |
| 260 | 298033.971238 | 2840639.81695 |
| 261 | 298034.083408 | 2840639.94797 |
| 262 | 298035.667704 | 2840641.58097 |
| 263 | 298043.82684 | 2840649.0855 |
| 264 | 298044.745175 | 2840649.8801 |
| 265 | 298046.102187 | 2840650.89164 |
| 266 | 298053.80746 | 2840656.14359 |
| 267 | 298055.33657 | 2840657.06803 |
| 268 | 298056.43633 | 2840657.65695 |
| 269 | 298065.560881 | 2840662.02503 |
| 270 | 298067.643138 | 2840662.88124 |
| 271 | 298067.794289 | 2840662.93305 |
| 272 | 298074.465238 | 2840665.18729 |
| 273 | 298076.829584 | 2840665.82775 |
| 274 | 298086.186308 | 2840667.75683 |
| 275 | 298087.051978 | 2840667.91565 |
| 276 | 298088.938031 | 2840668.12741 |
| 277 | 298098.429951 | 2840668.73944 |
| 278 | 298100.021322 | 2840668.77861 |
| 279 | 298100.94707 | 2840668.7431 |
| 280 | 298109.372854 | 2840668.22407 |
| 281 | 298111.678892 | 2840667.94673 |
| 282 | 298120.667877 | 2840666.33225 |
| 283 | 298120.904539 | 2840666.28839 |
| 284 | 298122.293957 | 2840665.96979 |
| 285 | 298133.635523 | 2840662.94015 |
| 286 | 298134.677852 | 2840662.63112 |
| 287 | 298151.844098 | 2840657.03017 |

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| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 1 | 288253.708484 | 2843425.41709 |
| 2 | 288244.149448 | 2843404.74917 |
| 3 | 288242.520215 | 2843404.78735 |
| 4 | 288238.411499 | 2843404.53448 |
| 5 | 288233.6173 | 2843403.67399 |
| 6 | 288228.926605 | 2843402.26681 |
| 7 | 288224.720852 | 2843400.37692 |
| 8 | 288222.484512 | 2843399.12367 |
| 9 | 288215.965669 | 2843394.32485 |
| 10 | 288192.418836 | 2843373.43557 |
| 11 | 288143.605156 | 2843330.27274 |
| 12 | 288124.219187 | 2843313.25585 |
| 13 | 288112.216969 | 2843302.20746 |
| 14 | 288104.076527 | 2843294.05571 |
| 15 | 288093.959602 | 2843283.10446 |
| 16 | 288083.494371 | 2843271.16949 |
| 17 | 288082.144933 | 2843272.4041 |
| 18 | 288079.022616 | 2843272.82604 |
| 19 | 288075.899488 | 2843273.24809 |
| 20 | 288074.759267 | 2843272.96316 |
| 21 | 288071.7953 | 2843275.23013 |
| 22 | 288070.540926 | 2843277.9263 |
| 23 | 288069.285768 | 2843280.62427 |
| 24 | 288068.737718 | 2843282.89606 |
| 25 | 288068.052231 | 2843285.742 |
| 26 | 288069.21705 | 2843288.44673 |
| 27 | 288069.948364 | 2843290.44046 |
| 28 | 288071.822631 | 2843292.72066 |
| 29 | 288073.560827 | 2843295.5718 |
| 30 | 288074.019489 | 2843298.70927 |
| 31 | 288074.478543 | 2843301.84673 |
| 32 | 288073.793694 | 2843304.70432 |
| 33 | 288073.382528 | 2843306.41853 |
| 34 | 288072.696824 | 2843309.27712 |
| 35 | 288071.873566 | 2843312.70975 |
| 36 | 288071.46164 | 2843314.42726 |
| 37 | 288070.449851 | 2843316.6122 |
| 38 | 288074.953963 | 2843321.48781 |
| 39 | 288075.492885 | 2843322.04894 |
| 40 | 288084.206315 | 2843330.77442 |
| 41 | 288084.81294 | 2843331.35699 |
| 42 | 288097.3006 | 2843342.85203 |
| 43 | 288097.652214 | 2843343.1683 |

| VÉRTICE | COORDENADA EN X | COORDENADA EN Y |
|---|---|---|
| 44 | 288117.167028 | 2843360.29781 |
| 45 | 288165.89379 | 2843403.38409 |
| 46 | 288190.098178 | 2843424.85678 |
| 47 | 288190.761552 | 2843425.42001 |
| 48 | 288191.514352 | 2843426.00224 |
| 49 | 288199.765396 | 2843432.0763 |
| 50 | 288201.844294 | 2843433.41667 |
| 51 | 288205.961906 | 2843435.72433 |
| 52 | 288207.514553 | 2843436.50486 |
| 53 | 288213.724535 | 2843439.29532 |
| 54 | 288215.383039 | 2843439.95347 |
| 55 | 288216.175952 | 2843440.20938 |
| 56 | 288223.214108 | 2843442.3207 |
| 57 | 288225.42767 | 2843442.8495 |
| 58 | 288232.488729 | 2843444.11685 |
| 59 | 288232.864203 | 2843444.18052 |
| 60 | 288234.793889 | 2843444.39375 |
| 61 | 288240.910667 | 2843444.7702 |
| 62 | 288242.45899 | 2843444.80546 |
| 63 | 288242.608382 | 2843444.80248 |
| 64 | 288248.136832 | 2843444.6727 |
| 65 | 288250.500083 | 2843444.4768 |
| 66 | 288257.227364 | 2843443.51447 |

II. Los volúmenes de las materias primas forestales a remover por el cambio de uso del suelo en terrenos forestales y el Código de Identificación para acreditar la legal procedencia de dichas materias primas forestales son los siguientes:

Predio afectado: **Ejido San José del Barranco**

Código de identificación: **C-25-003-ESJ-002/18**

| Especie | Volumen | Unidad de medida |
|---|---|---|
| *Pinus ayacahuite* | 143.96 | Metros cúbicos v.t.a. |
| *Pinus herrerae* | 73.24 | Metros cúbicos v.t.a. |
| *Pinus lumholtzii* | 92.70 | Metros cúbicos v.t.a. |
| *Bursera simaruba* | 32.23 | Metros cúbicos v.t.a. |
| *Ceiba acuminata* | 35.37 | Metros cúbicos v.t.a. |
| *Juniperus deppeana* | 15.03 | Metros cúbicos v.t.a. |
| *Pinus engelmannii* | 10.27 | Metros cúbicos v.t.a. |
| *Quercus castanea* | 44.99 | Metros cúbicos v.t.a. |
| *Quercus eduardi* | 97.98 | Metros cúbicos v.t.a. |
| *Quercus laeta* | 47.70 | Metros cúbicos v.t.a. |
| *Quercus magnolifolia* | 1.04 | Metros cúbicos v.t.a. |
| *Dalbergia granadillo* | 0.32 | Metros cúbicos v.t.a. |
| *Sternmadenia tomentosa* | 2.25 | Metros cúbicos v.t.a. |
| *Bursera excelsa* | 13.40 | Metros cúbicos v.t.a. |
| *Pinus durangensis* | 944.31 | Metros cúbicos v.t.a. |
| *Lysiloma divaricatum* | 157.70 | Metros cúbicos v.t.a. |
| *Celtis pallida* | 8.16 | Metros cúbicos v.t.a. |

| Especie | Volumen | Unidad de medida |
|---|---|---|
| *Conzattia sericea* | 2.45 | Metros cúbicos v.t.a. |
| *Quercus chihuahuensis* | 10.91 | Metros cúbicos v.t.a. |
| *Quercus crassifolia* | 215.98 | Metros cúbicos v.t.a. |
| *Quercus viminea Trel.* | 140.64 | Metros cúbicos v.t.a. |
| *Quercus albocincta* | 139.23 | Metros cúbicos v.t.a. |
| *Quercus perpallida* | 33.68 | Metros cúbicos v.t.a. |
| *Quercus sideroxyla* | 639.30 | Metros cúbicos v.t.a. |
| *Quercus durifolia* | 10.21 | Metros cúbicos v.t.a. |
| *Quercus gentryi* | 169.11 | Metros cúbicos v.t.a. |
| *Pseudotsuga menziesii* | 53.38 | Metros cúbicos v.t.a. |
| *Randia echinocarpa* | 0.35 | Metros cúbicos v.t.a. |
| *Karwinskia parvifolia* | 18.84 | Metros cúbicos v.t.a. |
| *Guazuma ulmifolia* | 57.67 | Metros cúbicos v.t.a. |
| *Pinus arizonica* | 106.15 | Metros cúbicos v.t.a. |
| *Erythrina occidentalis* | 23.50 | Metros cúbicos v.t.a. |
| *Quercus coccolobifolia* | 123.53 | Metros cúbicos v.t.a. |
| *Quercus scytophylla* | 243.49 | Metros cúbicos v.t.a. |
| *Alnus glabrata* | 280.66 | Metros cúbicos v.t.a. |
| *Bursera odorata* | 1.97 | Metros cúbicos v.t.a. |
| *Annona cherimola* | 0.91 | Metros cúbicos v.t.a. |
| *Lippia umbellata* | 65.00 | Metros cúbicos v.t.a. |
| *Bocconia arborea* | 9.45 | Metros cúbicos v.t.a. |
| *Ipomea arborescens* | 539.95 | Metros cúbicos v.t.a. |
| *Eysenhardtia polystachya* | 4.52 | Metros cúbicos v.t.a. |
| *Randia laetevirens* | 2.15 | Metros cúbicos v.t.a. |
| *Heliocarpus palmeri* | 6.34 | Metros cúbicos v.t.a. |
| *Acacia pennatula* | 58.70 | Metros cúbicos v.t.a. |
| *Arbutus bicolor* | 166.92 | Metros cúbicos v.t.a. |
| *Arbutus tesellata* | 16.76 | Metros cúbicos v.t.a. |
| *Buddleja cordata* | 0.48 | Metros cúbicos v.t.a. |
| *Eupatorium areolare* | 6.47 | Metros cúbicos v.t.a. |
| *Pinus leiophylla* | 468.33 | Metros cúbicos v.t.a. |

III. La vegetación forestal presente fuera de la superficie en la que se autoriza el cambio de uso del suelo en terrenos forestales, no podrá ser afectada por los trabajos y obras relacionadas con el cambio de uso del suelo, aún y cuando ésta se encuentre dentro de los predios donde se autoriza la superficie a remover en el presente resolutivo, en caso de ser necesaria su afectación, se deberá contar con la autorización de cambio de uso del suelo en terrenos forestales para la superficie correspondiente.

IV. Previo al inicio de las actividades de impliquen el cambio de uso del suelo en terrenos forestales, todo el personal deberá recibir una plática de inducción, relacionada con la importancia de la protección y conservación de la biodiversidad. Los resultados y evidencia fotográfica del cumplimiento del presente término se incluirán en los reportes a los que se refiere el Término XIX de este resolutivo.

V. La remoción de la vegetación deberá realizarse por medios mécanicos y no se utilizarán sustancias químicas y fuego para tal fin, de forma gradual y direccional, para evitar daños a la vegetación aledaña a la superficie de cambio de uso del suelo en terrenos forestales. Los resultados y evidencia fotográfica del cumplimiento del presente término se incluirán en los informes a los que se refiere el Término XIX de este resolutivo.

VI. Previo a las labores de desmonte y despalme, deberá llevar a cabo las actividades mencionadas en el programa de ahuyentamiento, rescate y reubicación de fauna silvestre, presente en el área sujeta a cambio de uso del suelo en terrenos forestales, donde el rescate deberá realizarse especialmente en las especies que presenten algún estatus de riesgo de acuerdo a la NOM-059-SEMARNAT-2010, así como las especies de lenta movilidad (anfibios y reptiles), ya que éstas tienden a refugiarse bajo rocas y oquedades, la reubicación deberá de ser en sitios que cumplan con las condiciones necesarias para la continuación de su ciclo de vida. En caso de encontrarse nidos que contengan polluelos, se deberá evitar perturbarlos y permitir que alcancen la edad necesaria para volar o, en su caso, efectuar su traslado únicamente si el riesgo de afectación es poco significativo. Los resultados y evidencia fotográfica del cumplimiento del presente término se incluirán en los reportes a los que se refiere el Término XIX de este resolutivo.

VII. El material que resulte del desmonte, deberá ser triturado y utilizado para cubrir y propiciar la revegetación, con el fin de facilitar el establecimiento y crecimiento de la vegetación natural para defender el suelo de la acción del viento y lluvias, evitando así la erosión. Los resultados y evidencia fotográfica del cumplimiento del presente término se deberán incluir en los reportes a los que se refiere el Término XIX de este resolutivo.

VIII. Durante la remoción del suelo orgánico y despalme, el titular de esta resolución aplicará riegos constantemente para evitar que las partículas del suelo sean arrastradas por el viento y se genere polvo. Los resultados del cumplimiento del presente término se incluirán en los reportes a los que se refiere el Término XIX de este resolutivo.

IX. Para el debido cumplimiento de lo establecido en el párrafo cuarto del artículo 117 de la Ley General de Desarrollo Forestal y 123 bis de su Reglamento, se adjunta como parte integral de la presente resolución, un programa de rescate y reubicación de especies de la vegetación forestal que serán afectadas y su adaptación al nuevo hábitat, que incluyen a las especies *Acacia pennatula, Agave bovicornuta, Arbutus bicolor, Arbutus tesellata, Bocconia arborea, Buddleja cordata, Bursera excelsa, Bursera simaruba, Ceiba acuminata, Celtis pallida, Cordia cilindrostachya, Dalbergia granadillo, Erythrina occidentalis, Eysenhardtia polystachya, Heliocarpus palmeri, Juniperus deppeana, Karwinskia parvifolia, Lippia umbellata, Lysiloma divaricatum, Montanoa arborescens, Pinus durangensis, Pinus lumholtzii, Pseudotsuga menziesii, Quercus albocincta, Quercus castanea, Quercus coccolobifolia, Quercus crassifolia, Quercus durifolia, Quercus eduardii, Quercus epileuca, Quercus gentryi, Quercus laeta, Quercus omissa, Quercus perpallida, Quercus viminea* y *Rondeletia leucophylla*, el cual deberá realizarse previa a las labores de remoción de la vegetación y al despalme, preferentemente en áreas vecinas o cercanas de donde se realizarán los trabajos de cambio de uso del suelo, así como las acciones que aseguren al menos un ochenta por ciento de supervivencia de las referidas especies, en los períodos de ejecución y de mantenimiento que en dicho programa se establece. Los resultados del cumplimiento del presente término se incluirán en los informes a los que se refiere el Término XIX de este resolutivo.

X. Con el porpósito de disminuir el riesgo por atropellamiento de fauna, evitar la fragmentación de los corredores biológicos y permitir el movimiento de la misma, se realizará la construcción de 23 pasos de fauna, su ubicación y su descripción serán los siguientes:

Paso 1, inicial X-286536 Y-2843322, final X-286518 Y-2843287, alcantarilla. Paso 2, inicial X-287871 Y-2843389, final X-287877 Y-2843430, alcantarilla. Paso 3, inicial X-288267 Y-2843441, final X-288254 Y-2843403, alcantarilla. Paso 4, inicial X-288908 Y-2843453, final X-288930 Y-2843420, alcantarilla. Paso 5, inicial X-289111 Y-2843900, final X-289104 Y-2843939, puente. Paso 6, inicial X-289677 Y-2843951, final X-289710 Y-2843974, alcantarilla. Paso 7, inicial X-290427 Y-2843759, final X-290418 Y-2843720, alcantarilla. Paso 8, inicial X-290713 Y-2844102,

final X-290678 Y-2844120, alcantarilla. Paso 9, inicial X-291186 Y-2844358, final X-291166 Y-2844322, puente. Paso 10, inicial X-292750 Y-2844433, final X-292799 Y-2844451, alcantarilla. Paso 11, inicial X-292739 Y-2843954, final X-292701 Y-2843941, alcantarilla. Paso 12, inicial X-292800 Y-2843557, final X-292835 Y-2843534, puente. Paso 13, inicial X-292712 Y-2842465, final X-292733 Y-2842430, puente. Paso 14, inicial X-292114 Y-2842287, final X-292079 Y-2842313, alcantarilla. Paso 15, inicial X-293144 Y-2841624, final X-293184 Y-2841629, puente. Paso 16, inicial X-293934 Y-2841418, final X-293908 Y-2841387, puente. Paso 17, inicial X-294123 Y-2841282, final X-294155 Y-2841314, puente. Paso 18, inicial X-294237 Y-2841410, final X-294260 Y-2841444, alcantarilla. Paso 19, inicial X-294767 Y-2841479, final X-294806 Y-2841488, alcantarilla. Paso 20, inicial X-295843 Y-2840641, final X-295812 Y-2840614, alcantarilla. Paso 21, inicial X-295789 Y-2840353, final X-295810 Y-2840318, puente. Paso 22, inicial X-296045 Y-2839519, final X-296083 Y-2839535, alcantarilla. Paso 23, inicial X-297989 Y-2840581, final X-298005 Y-2840542, alcantarilla. Los resultados y evidencia fotográfica del cumplimiento del presente término se incluirán en los reportes a los que se refiere el Término XIX de este resolutivo, en donde deberá indicar el porcentaje de avance.

XI. El titular de la presente resolución será el responsable de evitar la cacería, captura, comercialización y tráfico de las especies de fauna silvestre, así como la colecta, comercialización y tráfico de las especies de flora silvestre que se encuentren en el área sujeta a cambio de uso del suelo en terrenos forestales y en las áreas adyacentes a la misma.

XII. Con la finalidad de evitar la contaminación del suelo y agua, se deberán instalar sanitarios portátiles para el personal que laborará en el sitio del proyecto. Asimismo, los residuos generados deberán de ser tratados conforme a las disposiciones locales. Los resultados del cumplimiento del presente término se incluirán en los reportes a los que se refiere el Término XIX de este resolutivo.

XIII. Para favorecer la retención del suelo y captación de agua, se realizará la reforestación de 110.77 hectáreas, las especificaciones de dicha obra se encuentran contenidas en el estudio técnico justificativo e información complementaria. Los resultados y evidencia fotográfica del cumplimiento del presente término se incluirán en los informes a los que se refiere el Término XIX de este resolutivo.

XIV. Como medidas de mitigación adicionales para favorecer la retención del suelo y la captación de agua, se construirán tinas ciegas (250 tinas ciegas por hectárea) en las 110.77 hectáreas a reforestar. Los resultados y evidencia fotográfica del cumplimiento del presente término se incluirán en los reportes a los que se refiere el Término XIX del presente resolutivo.

XV. Realizar oportunamente el mantenimiento de maquinaria o vehículos en talleres autorizados con la finalidad de evitar posibles fugas de aceite, que pudiera representar contaminación del agua y/o suelo. La maquinaria a emplearse deberá estar en buen estado, que cumpla con la normatividad vigente en materia de emisiones a la atmósfera, contaminación por ruido y al suelo. Los resultados y evidencia fotográfica del cumplimiento del presente término se deberán incluir en los reportes a los que se refiere el Término XIX de este resolutivo.

XVI. Se dará cumplimiento a las medidas de prevención y mitigación de los impactos sobre los recursos forestales, la flora y fauna silvestre consideradas en el estudio técnico justificativo, las Normas Oficiales Mexicanas, Ordenamientos Técnico-Jurídicas y Planes de Desarrollo Urbano aplicables, así como lo que indiquen otras instancias en el ámbito de sus respectivas competencias. Los resultados de estas acciones, así como la evidencia fotográfica deberán reportarse conforme a lo establecido en el Término XIX de este resolutivo.

XVII. En caso de que se requiera aprovechar y trasladar las materias primas forestales, el titular de la presente autorización deberá tramitar ante la Delegación Federal de la SEMARNAT en el estado de Sinaloa la documentación correspondiente.

XVIII. Una vez iniciadas las actividades de cambio de uso de suelo en terrenos forestales y dentro de un plazo máximo de **10 dias hábiles** siguientes a que se den inicio los trabajos de remoción de la vegetación, se deberá notificar por escrito a esta Dirección General de Gestión Forestal y de Suelos, quién será el responsable técnico encargado de dirigir la ejecución del cambio de uso de suelo autorizado, el cual deberá establecer una bitácora de actividades, misma que formará parte de los informes a los que se refiere el **Término XIX** de este resolutivo, en caso de que existan cambios sobre esta responsabilidad durante el desarrollo del proyecto, se deberá informar oportunamente a esta Unidad Administrativa.

XIX. Se deberá presentar a esta Dirección General de Gestión Forestal y de Suelos con copia a la Delegación de la Procuraduría Federal de Protección al Ambiente (PROFEPA) en el estado de Sinaloa, informes semestrales y uno de finiquito al término de las actividades que hayan implicado el cambio de uso del suelo en terrenos forestales, éste deberá incluir los resultados del cumplimiento de los Términos IV, V, VI, VII, VIII, IX, X, XII, XIII, XIV, XV, XVI y XVIII (que deben reportarse) así como de la aplicación de las medidas de prevención y mitigación contempladas en el estudio técnico justificativo.

XX. Se deberá comunicar por escrito a la Delegación de la Procuraduría Federal de Protección al Ambiente en el estado de Sinaloa con copia a la Delegación Federal de la SEMARNAT en ese estado y a esta Dirección General de Gestión Forestal y de Suelos, la fecha de inicio y término de los trabajos relacionados con el cambio de uso del suelo en terrenos forestales autorizado, dentro de los 10 dias hábiles siguientes a que ésto ocurra.

XXI. El plazo para realizar la remoción de la vegetación forestal derivada de la presente autorización de cambio de uso del suelo en terrenos forestales será de 60 Mes(es), a partir de la recepción de la misma, el cual podrá ser ampliado, siempre y cuando se solicite a esta Dirección General de Gestión Forestal y de Suelos, antes de su vencimiento, y se haya dado cumplimiento a las acciones e informes correspondientes que se señalan en el presente resolutivo, así como la justificación del retraso en la ejecución de los trabajos relacionados con la remoción de la vegetación forestal de tal modo que se motive la ampliación del plazo solicitado.

XXII. El plazo para garantizar el cumplimiento y la efectividad de los compromisos derivados de las medidas de mitigación por la afectación del suelo, el agua, la flora y la fauna será de cinco años en donde se contempla el programa de rescate y reubicación de especies de la vegetación forestal del proyecto.

XXIII. Se remite copia del presente resolutivo a la Delegación Federal de la SEMARNAT en el estado de Sinaloa, para su inscripción en el Registro Forestal en el Libro de ese estado, de conformidad con el artículo 40, fracción XX del Reglamento Interior de la Secretaría de Medio Ambiente y Recursos Naturales y para su captura en el Sistema Nacional de Gestión Forestal (SNGF).

**SEGUNDO.** Con fundamento en el artículo 16 fracciones VII y IX de la Ley Federal de Procedimiento Administrativo, se hace de su conocimiento:

I. La Secretaría de Comunicaciones y Transportes, será la única responsable ante la PROFEPA en el estado de Sinaloa, de cualquier ilícito en materia de cambio de uso del suelo en terrenos forestales en que incurran.

II. La Secretaría de Comunicaciones y Transportes, será la única responsable de realizar las obras y gestiones necesarias para mitigar, restaurar y controlar todos aquellos impactos ambientales adversos, atribuibles a la construcción y operación del proyecto que no hayan sido considerados o previstos en el estudio técnico justificativo y en la presente autorización.

III. La Delegación de la PROFEPA en el estado de Sinaloa, podrá realizar en cualquier momento las acciones que considere pertinentes para verificar que sólo se afecte la superficie forestal autorizada, así como llevar a cabo una evaluación al término del proyecto para verificar el

cumplimiento de las medidas de prevención y mitigación establecidas en el estudio técnico justificativo y de los términos indicados en la presente autorización.

IV. La Secretaría de Comunicaciones y Transportes, es la única titular de los derechos y obligaciones de la presente autorización, por lo que queda bajo su estricta responsabilidad la ejecución del proyecto y la validez de los contratos civiles, mercantiles o laborales que se hayan firmado para la legal implementación y operación del mismo, así como su cumplimiento y las consecuencias legales que corresponda aplicar a la Secretaría de Medio Ambiente y Recursos Naturales y a otras autoridades federales, estatales y municipales.

V. En caso de transferir los derechos y obligaciones derivados de la misma, se deberá dar aviso a esta Dirección General, en los términos y para los efectos que establece el artículo 17 del Reglamento de la Ley General de Desarrollo Forestal Sustentable, adjuntando al mismo el documento en el que conste el consentimiento expreso del adquirente para recibir la titularidad de la autorización y responsabilizarse del cumplimiento de las obligaciones establecidas en la misma, así como los documentos legales que acrediten el derecho sobre los terrenos donde se efectuará el cambio de uso del suelo en terrenos forestales de quien pretenda ser el nuevo titular.

VI. Esta autorización no exenta al titular de obtener aquellas que al respecto puedan emitir otras dependencias federales, estatales o municipales en el ámbito de sus respectivas competencias.

TERCERO.- Notifíquese personalmente a Héctor Raúl García Fox, en su carácter de Director General del Centro SCT Sinaloa de la Secretaría de Comunicaciones y Transportes, la presente resolución del proyecto denominado ***"Construcción del eje interestatal carretera Culiacán-Parral, tramo San José del Barranco-Los Frailes, Km 106+000.000 a 136+281.214"***, con ubicación en el o los municipio(s) de Badiraguato en el estado de Sinaloa, por alguno de los medios legales previstos en el artículo 35 y demás correlativos de la Ley Federal de Procedimiento Administrativo.

Sin otro particular, hago propicia la ocasión para enviarle un cordial saludo.

**ATENTAMENTE**

**EL DIRECTOR GENERAL**

SEMARNAT
ESTADOS UNIDOS MEXICANOS

**LIC. AUGUSTO MIRAFUENTES ESPINOSA**

SUBSECRETARÍA DE GESTIÓN PARA LA PROTECCIÓN AMBIENTAL
DIRECCIÓN GENERAL DE GESTIÓN FORESTAL Y DE SUELOS

**"Las copias de conocimiento de este asunto son remitidas vía electrónica".**

C.c.p. Q.F.B. Martha Garcíarivas Palmeros. Subsecretaria de Gestión para la Protección Ambiental. Presente.
Biól. Jorge Abel López Sánchez. Delegado Federal de la SEMARNAT en el estado de Sinaloa. Presente.
Lic. Jesús Tesemi Avedaño Guerrero. Delegado de la PROFEPA en el estado de Sinaloa. Presente.
Ing. Jesús Carrasco Gómez. Coordinador General de Conservación y Restauración de la CONAFOR. Presente.
Lic. Jorge Camarena García. Coordinador General de Administración de la CONAFOR. Presente.
Lic. Melchor Montoya Castro. Gerente Estatal de la CONAFOR en el estado de Sinaloa. Presente.
Lic. Guadalupe Rivera Ruiz. Directora de Conservación de Suelos de la DGGFS. Presente.
Registro: 0718
GRR/HHM/RHM/LCOC

**ANEXO**

PROGRAMA DE RESCATE Y REUBICACIÓN DE ESPECIES DE LA VEGETACIÓN FORESTAL DEL PROYECTO DENOMINADO *"CONSTRUCCIÓN DEL EJE INTERESTATAL CARRETERA CULIACÁN-PARRAL, TRAMO SAN JOSÉ DEL BARRANCO-LOS FRAILES, KM 106+000.000 A 136+281.214"*, CON UBICACIÓN EN EL MUNICIPIO DE BADIRAGUATO EN EL ESTADO DE SINALOA

## I. INTRODUCCIÓN

El proyecto denominado ***"Construcción del eje interestatal carretera Culiacán-Parral, tramo San José del Barranco-Los Frailes, Km 106+000.000 a 136+281.214"***, contempla el cambio de uso del suelo en terrenos forestales en una superficie de 101.901 hectáreas, que sustenta vegetación de Selva baja caducifolia, Bosque de encino-pino, Bosque de pino-encino y Bosque de ayarín.

Con el objetivo de preservar la riqueza biológica de la vegetación que se verá afectada, se plantea la ejecución del presente programa de manera previa a la ejecución del Cambio de Uso del Suelo en Terrenos Forestales (CUSTF). Con la implementación de dicha medida se dará cumplimiento a lo dispuesto por el artículo 123 Bis del Reglamento de la Ley General de Desarrollo Forestal Sustentable, publicado en el Diario Oficial de la Federación el 24 de febrero de 2014, el cual establece las especificaciones e información que deberá incluirse en el programa.

Este programa está orientado a disminuir la pérdida de individuos de especies de flora consideradas de importancia biológica y ecológica, como resultado de las actividades de CUSTF en la superficie de 101.901 hectáreas.

A partir del tipo de vegetación y lista florística que se elaboró para el estudio técnico justificativo del proyecto en cuestión, se conocieron y ubicaron los ejemplares pertenecientes a algunas especies de importancia ecológica, especies bajo estatus de

conservación según la NOM-059-SEMARNAT-2010 y especies con mayor representación en el área de cambio de uso del suelo con respecto a la microcuenca hidrológico forestal.

## II. OBJETIVOS

### a. General

- Mitigar los impactos negativos que se ocasionarán a la flora silvestre por la ejecución de las actividades inherentes a la construcción del proyecto "***Construcción del eje interestatal carretera Culiacán-Parral, tramo San José del Barranco-Los Frailes, Km 106+000.000 a 136+281.214***", realizando acciones de reforestación con las especies que resulten afectadas.

### b. Específicos

- Identificar las especies forestales que serán afectadas por la realización del cambio de uso del suelo en terrenos forestales, poniendo especial atención en las especies que se encuentran en alguna categoría de riesgo de acuerdo a la NOM-059-SEMARNAT-2010.
- Realizar el rescate del germoplasma perteneciente a los tipos de vegetación presentes en la zona del proyecto en cuestión.
- Determinar el área susceptible a reforestación.
- Asegurar la supervivencia de al menos el 80% de individuos por especie a reforestar.

## III. METAS

- Desarrollar las actividades de rescate y conservación de las especies de flora consideradas para tal fin, según los resultados de los estudios ejecutados, garantizando con ello, la permanencia de sus abundancias.
- Rescatar y reubicar el total de individuos que hayan sido considerados en el presente programa, empleando los diferentes mecanismos que aquí se describen, a fin de evitar comprometer la permanencia de las especies.

En la **Tabla I** se muestran las especies y número de individuos que deberán sujetarse a las acciones consideradas en el presente programa. De igual manera se señala el aspecto que motivó su consideración.

**Tabla I. Especies y número de individuos con potencial de sujetarse al programa**

| **Selva baja caducifolia** | | | |
|---|---|---|---|
| **Especie** | **Principal motivo de consideración** | **Cantidad considerada para el rescate** | **Supervivencia del 80% de los individuos en un período de 5 años** |
| *Bursera excelsa* | Baja densidad | 287 | 239 |
| *Bursera simaruba* | Baja densidad | 269 | 307 |
| *Ceiba acuminata* | Baja densidad | 287 | 239 |
| *Celtis pallida* | Baja densidad | 736 | 613 |
| *Cordia cilindrostachya* | Baja densidad | 3,104 | 2,586 |
| *Erythrina occidentalis* | Baja densidad | 42 | 35 |
| *Eysenhardtia polystachya* | Baja densidad | 42 | 35 |
| *Heliocarpus palmeri* | Baja densidad | 328 | 273 |
| *Karwinskia parvifolia* | Baja densidad | 1,306 | 1,088 |
| *Lippia umbellata* | Baja densidad | 206 | 171 |
| *Lysiloma divaricatum* | Baja densidad | 5,104 | 4,253 |
| *Montanoa arborescens* | Baja densidad | 24,251 | 20,209 |
| *Quercus albocincta* | Baja densidad | 42 | 35 |
| *Quercus crassifolia* | Baja densidad | 124 | 103 |
| *Quercus laeta* | Baja densidad | 124 | 103 |
| *Quercus perpallida* | Baja densidad | 42 | 35 |
| TOTAL | | 36,294 | 30,324 |
| **Bosque de encino-pino** | | | |
| **Especie** | **Principal motivo de consideración** | **Cantidad considerada para el rescate** | **Supervivencia del 80% de los individuos en un período de 5 años** |
| *Acacia pennatula* | Baja densidad | 113 | 94 |
| *Agave bovicornuta* | Baja densidad | 188 | 156 |
| *Arbutus bicolor* | Baja densidad | 635 | 529 |
| *Bocconia arborea* | Baja densidad | 39 | 32 |
| *Dalbergia granadillo* | Especie listada en la NOM-059-SEMARNAT-2010, baja densidad | 39 | 32 |
| *Lippia umbellata* | Baja densidad | 39 | 32 |
| *Montanoa arborescens* | Baja densidad | 5,481 | 4,567 |
| *Pinus lumholtzii* | Baja densidad | 374 | 311 |
| *Quercus castanea* | Baja densidad | 635 | 529 |
| *Quercus crassifolia* | Baja densidad | 485 | 404 |
| *Quercus durifolia* | Baja densidad | 262 | 218 |
| *Quercus epileuca* | Baja densidad | 262 | 218 |
| *Quercus gentryi* | Baja densidad | 336 | 280 |
| *Quercus viminea* | Baja densidad | 561 | 467 |
| TOTAL | | 9,449 | 7,869 |
| **Bosque de pino-encino** | | | |
| **Especie** | **Principal motivo de consideración** | **Cantidad considerada para el rescate** | **Supervivencia del 80% de los individuos en un período de 5 años** |
| *Arbutus bicolor* | Baja densidad | 2,030 | 1,691 |
| *Arbutus tesellata* | Baja densidad | 249 | 207 |

| Especie | Principal motivo de consideración | Cantidad considerada para el rescate | Supervivencia del 80% de los individuos en un período de 5 años |
|---|---|---|---|
| *Buddleja cordata* | Baja densidad | 42 | 35 |
| *Cordia cilindrostachya* | Baja densidad | 10,392 | 8,660 |
| *Juniperus deppeana* | Baja densidad | 125 | 104 |
| *Quercus coccolobifolia* | Baja densidad | 4,679 | 3,899 |
| *Quercus crassifolia* | Baja densidad | 166 | 138 |
| *Quercus eduardii* | Baja densidad | 42 | 35 |
| *Quercus omissa* | Baja densidad | 374 | 311 |
| *Rondeletia leucophylla* | Baja densidad | 4,265 | 3,554 |
| TOTAL | | 22,364 | 18,634 |
| **Bosque de ayarín** | | | |
| **Especie** | **Principal motivo de consideración** | **Cantidad considerada para el rescate** | **Supervivencia del 80% de los individuos en un período de 5 años** |
| *Pinus durangensis* | Baja densidad | 708 | 590 |
| *Pseudotsuga menziesii* | Baja densidad | 761 | 634 |
| *Quercus omissa* | Baja densidad | 9 | 7 |
| TOTAL | | 1,478 | 1,231 |

De acuerdo a los resultados del análisis comparativo de densidad y conforme a las especies que se identificaron bajo alguna categoría de riesgo en la NOM-059-SEMARNAT-2010, el rescate debe ocurrir de manera obligada en 36 especies, que representan un total de 69,585 individuos.

Aclaramos que las especies aquí reportadas, así como, el número de individuos señalados derivan de los resultados obtenidos en los muestreos levantados en el área del proyecto, por lo que, durante la ejecución del programa, **no se descarta la inclusión de otras especies, que a consideración del especialista responsable de la ejecución del programa, ameriten su rescate**.

La técnica para realizar el rescate y reubicación se muestra en la Tabla II.

**Tabla II. Especies e individuos a rescatar y mecanismo a implementar**

| Especie | Cantidad a rescatar | N° de individuos/Mecanismo de rescate | |
|---|---|---|---|
| | | Trasplante | Colecta de germoplasma/cantidad de plantas a obtener |
| *Acacia pennatula* | 113 | 10 | 103 |
| *Agave bovicornuta* | 188 | 188 | - |
| *Arbutus bicolor* | 2,665 | 1,300 | 1,365 |
| *Arbutus tessellata* | 249 | 49 | 200 |
| *Bocconia arborea* | 39 | - | 39 |
| *Buddleja cordata* | 42 | - | 42 |

| Especie | Cantidad a rescatar | N° de individuos/Mecanismo de rescate | |
|---|---|---|---|
| | | Trasplante | Colecta de germoplasma/cantidad de plantas a obtener |
| *Bursera excelsa* | 287 | 30 | 257 |
| *Bursera simaruba* | 269 | 25 | 244 |
| *Ceiba acuminata* | 287 | - | 287 |
| *Celtis pallida* | 736 | - | 736 |
| *Cordia cilindrostachya* | 13,496 | 3,496 | 10,000 |
| *Dalbergia granadillo* | 39 | - | 39 |
| *Erythrina occidentalis* | 42 | - | 42 |
| *Eysenhardtia polystachya* | 42 | - | 42 |
| *Heliocarpus palmeri* | 328 | 28 | 300 |
| *Juniperus deppeana* | 125 | - | 125 |
| *Karwinskia parvifolia* | 1,306 | 100 | 1,206 |
| *Lippia umbellata* | 245 | - | 245 |
| *Lysiloma divaricatum* | 5,104 | 100 | 5,004 |
| *Montanoa arborescens* | 29,732 | 9,000 | 20,732 |
| *Pinus durangensis* | 708 | - | 708 |
| *Pinus lumholtzii* | 374 | - | 374 |
| *Pseudotsuga menziesii* | 761 | - | 761 |
| *Quercus albocincta* | 42 | - | 42 |
| *Quercus castanea* | 635 | - | 635 |
| *Quercus coccolobifolia* | 4,679 | - | 4,679 |
| *Quercus crassifolia* | 775 | - | 775 |
| *Quercus durifolia* | 262 | - | 262 |
| *Quercus eduardii* | 42 | - | 42 |
| *Quercus epileuca* | 262 | - | 262 |
| *Quercus gentryi* | 336 | - | 336 |
| *Quercus laeta* | 124 | - | 124 |
| *Quercus omissa* | 383 | - | 383 |
| *Quercus perpallida* | 42 | - | 42 |
| *Quercus viminea* | 561 | - | 561 |
| *Rondeletia leucophylla* | 4,265 | 1,060 | 3,205 |
| TOTAL | 69,585 | 15,386 | 54,096 |

## IV. METODOLOGÍA PARA EL RESCATE Y MANTENIMIENTO DE ESPECIES

### IV.1 Actividades previas

Como actividad preliminar a las de rescate y reubicación de flora se realizará una plática con el personal involucrado en el proceso constructivo del proyecto, en la que se proporcionará información sobre la importancia de esta actividad, las especies involucradas y las medidas a considerar para evitar su afectación.

Como apoyo, en la plática que se imparta se ocupará material visual gráfico donde se precisen las medidas a tomar previo al rescate, para ayudar a identificar aquellos organismos de interés del presente programa; así como, ilustraciones de los mismos, a fin de evitar su afectación.

### IV.2 Identificación de especies a rescatar

Esta actividad se desarrollará durante la apertura de la brecha topográfica para la ubicación de estructuras de soporte. La finalidad es recorrer la totalidad del tramo donde se efectuará la remoción de vegetación y colocar identificadores sobre las especies a rescatar.

Asimismo, se tomarán coordenadas para una ubicación precisa, que facilite la realización del trabajo de extracción de organismos. La marca se colocará sobre el organismo o delimitando el área en caso de que sean varios.

### IV.3 Desarrollo de las actividades de rescate

Las actividades de rescate y reubicación de flora se ejecutarán con mayor énfasis, sobre las especies con estatus de protección según la NOM-059-SEMARNAT-2010 y, en aquellas consideradas de alto valor ecológico, que son representativas de la vegetación a remover por el desarrollo del proyecto.

#### IV.3.1 Rescate *ex situ*

La modalidad de rescate *ex situ* implica la reubicación de organismos. Por lo general, se implementa en la totalidad de especies consideradas y puede desarrollarse en las siguientes formas:

1. Trasplante
2. Colecta de germoplasma

Para fines del presente programa y tomando en cuenta las características particulares de las especies involucradas, se consideraron las dos técnicas. La descripción general de cada procedimiento a emplear de acuerdo a su forma biológica se describe en los siguientes puntos.

1. Trasplante

La actividad consistirá en extraer a los organismos de interés de su sitio de origen para reubicarlos en otro donde se garantice su permanencia. El proceso varía según la forma biológica de cada especie. Por ejemplo, la actividad se desarrollará en la totalidad de los individuos considerados en el presente programa, especificando que para algunas la actividad procederá en renuevos de menos de un metro de altura.

El proceso de extracción es relativamente sencillo si los individuos no superan el metro de alto, lo anterior, debido a la facilidad de manipulación y a que el porcentaje de supervivencia de la planta por adaptación al nuevo sitio es mayor.

Para las especies de hábito terrestre con aplicación de trasplante, el proceso de extracción será el siguiente:

- Se excavará en la periferia de la planta considerando un diámetro y una profundidad tal que garantice la extracción de la totalidad del sistema de raíces sin dañarlas.

- Se hará la extracción del ejemplar completo procurando causar el menor daño a sus órganos y tejidos.

- Se buscará que las plantas extraídas mantengan sustrato en el sistema de raíces, de tal manera que las mismas no queden a la intemperie pudiendo ocasionar deshidratación.

- Los organismos extraídos serán colocados en los contenedores dispuestos para tal fin de manera que se evite la pérdida de sustrato del sistema de raíces.

- Se tomarán los registros y evidencias de los rescates realizados con ayuda de cámara fotográfica y GPS.

La reubicación será inmediata a la extracción y se ubicará sobre áreas adyacentes de donde fueron extraídas con condiciones ambientales similares, comenzando por el tipo de sustrato y la altitud. Cada sitio de extracción será georreferenciado para llevar un seguimiento. Los organismos serán etiquetados con un número consecutivo, con el fin de llevar un orden, desde el control del transporte, hasta el momento de su reubicación.

2. Colecta de germoplasma

Como hemos citado con anterioridad, las especies consideradas en el presente programa tienen diferentes formas de vida y aquellas con crecimiento arbustivo pueden presentar dificultades en su proceso de rescate. Si bien es cierto, que la actividad puede desarrollarse en individuos con altura no mayor a 0.50 m, será preciso implementar otros mecanismos para la recuperación de la cantidad indicada en el presente programa. Uno de ellos refiere a la colecta de germoplasma y para el caso que nos ocupa, aplicará en las especies referidas en la Tabla 2.

La colecta de germoplasma comprenderá el período que demande la fenología de las especies, puede realizarse durante todo un año o en un período en particular. La actividad consistirá en la recolección de semillas de las especies citadas, teniendo como opción de suministro, los individuos que serán removidos o bien de los que se encuentren en áreas adyacentes. Se elegirán individuos sanos, que no muestren problemas con patógenos. El germoplasma a colectar será analizado de manera rápida descartando aquel que evidencie presencia de plagas o deformaciones.

Dado que la finalidad es la recuperación del total de individuos que se removerán a consecuencia de la instalación de la obra, no se contempla una cantidad en específico a colectar, se tomará como parámetro el total de individuos a recuperar más un 20 % adicional.

El material colectado (las semillas) será analizado para determinar si resulta viable, tal proceso consistirá en efectuar la prueba de inmersión, que consiste en colocar sobre recipientes con agua el germoplasma, aquellas que floten serán desechadas y el resto se colocará en los contenedores elegidos para la germinación. Asimismo, a las semillas se les esparcirá un fungicida para evitar la proliferación de hongos.

Los contenedores destinados a la germinación fungirán como almácigos, por lo que deberán tener las dimensiones necesarias para albergar a la totalidad de semillas colectadas. Por la cantidad de individuos que se espera reponer será necesario contar cuando menos con 136 contenedores, cada uno con una capacidad de albergar al menos 400 individuos.

Las plántulas resultantes del germoplasma se reubicarán en contenedores individuales a una semana de su germinación; es decir, se extraerán de los almácigos y se colocarán en envases por separado para favorecer su crecimiento y prepararlas al trasplante. Durante este período se almacenarán en los espacios definidos como sitios de acopio.

## V. LUGAR DE ACOPIO Y REPRODUCCIÓN DE ESPECIES

Para fines del presente proyecto, dada su longitud, así como las características de las especies que estarán sujetas a las actividades del programa, se consideraron tres lugares de acopio y reproducción de especies. El primer lugar de acopio y reproducción de especies tendrá una superficie de 1.04425 ha, el segundo lugar de acopio y reproducción de especies contará con una superficie de 0.99764 ha, mientras que el tercer lugar de acopio y reproducción de especies contará con una superficie de 1.0099 ha. Las coordenadas UTM se presentan en la Tabla III, mismas que se ubica cerca del proyecto y del lugar de reubicación.

**Tabla III. Coordenadas de los lugares de acopio y reproducción de especies**

| Lugar de acopio N° 1 | | | |
|---|---|---|---|
| **Vértice** | **X** | **Y** | **Tipo de vegetación** |
| 1 | 287780 | 2842336 | Selva baja caducifolia |
| 2 | 287835 | 2842421 | |
| 3 | 287912 | 2842345 | |
| 4 | 287890 | 2842316 | |
| 5 | 287829 | 2842275 | |
| 6 | 287780 | 2842336 | |
| **Lugar de acopio N° 2** | | | |
| **Vértice** | **X** | **Y** | **Tipo de vegetación** |
| 1 | 292641 | 2841588 | Bosque de encino-pino y Bosque de pino-encino |
| 2 | 292438 | 5841607 | |
| 3 | 292446 | 2841660 | |
| 4 | 292642 | 2841634 | |
| 5 | 292641 | 2841588 | |
| **Lugar de acopio N° 3** | | | |
| **Vértice** | **X** | **Y** | **Tipo de vegetación** |
| 1 | 295765 | 2841079 | Bosque de ayarín |
| 2 | 295658 | 2841050 | |
| 3 | 295599 | 2841141 | |
| 4 | 295708 | 2841153 | |
| 5 | 295765 | 2841079 | |

Los viveros sólo tendrán la función de dar mantenimiento a las especies rescatadas y a la producción a partir de semillas que se haya colectado.

## VI. LOCALIZACIÓN DEL SITIO DE REUBICACIÓN

### VI.1 Características a considerar

Los lugares para llevar a cabo la reubicación de los ejemplares rescatados, se determinaron tomando en cuenta las condiciones que propicien el establecimiento de éstas; considerando en este caso zonas cercanas al área del proyecto, que presentan condiciones similares a las del sitio de extracción.

Se buscó que dichos predios tuvieran condiciones similares al área sujeta a CUSTF, pero con alteraciones para poder restaurar dicha área.

### VI.2 Ubicación

En las Tablas IV, V, VI y VII se proporcionan las coordenadas UTM de los sitios propuestos para la reubicación, mismos que se localizan cerca del sitio de acopio y de extracción, lo

anterior con la intención de evitar traslados a grandes distancias que pudieran promover el estrés y deshidratación de los individuos a reubicar, la superficie total de los sitios es de 110.77 hectáreas.

**Tabla IV. Ubicación del sitio 1 con potencial para efectuar la reubicación**

| Reubicación de Bosque de ayarín. Superficie 18.328 ha | | | | | |
|---|---|---|---|---|---|
| Sitio 1 | | | | | |
| Vértice | X | Y | Vértice | X | Y |
| 1 | 292592.942 | 2841880.37 | 15 | 292143.76 | 2841664.95 |
| 2 | 292628.552 | 2841844.22 | 16 | 292057.325 | 2841685.06 |
| 3 | 292667.881 | 2841795.57 | 17 | 291999.67 | 2841693.23 |
| 4 | 292682.287 | 2841655.61 | 18 | 291969.186 | 2841703.38 |
| 5 | 292679.01 | 2841592.35 | 19 | 291987.39 | 2841775.51 |
| 6 | 292672.205 | 2841562.11 | 20 | 292070.424 | 2841833.43 |
| 7 | 292653.834 | 2841578.35 | 21 | 292071.863 | 2841834.78 |
| 8 | 292530.424 | 2841590 | 22 | 292178.922 | 2841895.67 |
| 9 | 292473.278 | 2841584.88 | 23 | 292275.343 | 2841927.37 |
| 10 | 292440.806 | 2841583.88 | 24 | 292275.905 | 2841928.13 |
| 11 | 292367.207 | 2841597.84 | 25 | 292339.125 | 2841938.82 |
| 12 | 292274.695 | 2841609.26 | 26 | 292479.677 | 2841909.34 |
| 13 | 292240.318 | 2841619.47 | 27 | 292592.942 | 2841880.37 |
| 14 | 292204.973 | 2841635.61 | | | |

**Tabla V. Ubicación del sitio 2 con potencial para efectuar la reubicación**

| Reubicación de Selva baja caducifolia. Superficie 22.906 ha | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sitio 2 | | | | | | | | |
| Vértice | X | Y | Vértice | X | Y | Vértice | X | Y |
| 1 | 283044.1226 | 2843082.915 | 24 | 283605.2837 | 2842930.807 | 47 | 283366.9053 | 2842671.676 |
| 2 | 283049.5461 | 2843096.878 | 25 | 283636.3072 | 2842924.933 | 48 | 283366.2666 | 2842671.685 |
| 3 | 283077.9284 | 2843113.627 | 26 | 283635.9661 | 2842889.496 | 49 | 283351.5377 | 2842669.197 |
| 4 | 283116.8463 | 2843105.537 | 27 | 283621.3714 | 2842831.557 | 50 | 283320.9005 | 2842675.733 |
| 5 | 283145.5906 | 2843074.468 | 28 | 283620.6659 | 2842829.121 | 51 | 283290.1019 | 2842679.583 |
| 6 | 283178.4129 | 2843076.088 | 29 | 283640.7538 | 2842810.291 | 52 | 283255.966 | 2842683.496 |
| 7 | 283203.6451 | 2843088.335 | 30 | 283671.7792 | 2842803.484 | 53 | 283234.8536 | 2842705.306 |
| 8 | 283246.1986 | 2843095.156 | 31 | 283673.1616 | 2842803.464 | 54 | 283241.7698 | 2842741.945 |
| 9 | 283287.4652 | 2843081.877 | 32 | 283728.6685 | 2842794.778 | 55 | 283237.8904 | 2842757.561 |
| 10 | 283313.597 | 2843087.836 | 33 | 283866.79 | 2842761.915 | 56 | 283225.926 | 2842803.909 |
| 11 | 283346.0534 | 2843089.495 | 34 | 283894.3296 | 2842739.051 | 57 | 283225.1914 | 2842805.774 |
| 12 | 283354.3063 | 2843093.628 | 35 | 283740.8413 | 2842728.034 | 58 | 283181.1278 | 2842867.495 |
| 13 | 283411.7748 | 2843153.065 | 36 | 283702.9743 | 2842719.166 | 59 | 283153.2716 | 2842873.259 |
| 14 | 283462.052 | 2843152.358 | 37 | 283701.0597 | 2842713.451 | 60 | 283103.4192 | 2842821.918 |
| 15 | 283472.8007 | 2843127.691 | 38 | 283660.4366 | 2842701.257 | 61 | 283056.699 | 2842832.748 |
| 16 | 283495.7793 | 2843083.147 | 39 | 283658.3426 | 2842700.583 | 62 | 283036.063 | 2842875.635 |
| 17 | 283475.7596 | 2843038.998 | 40 | 283597.5131 | 2842704.284 | 63 | 282999.8806 | 2842901.423 |
| 18 | 283537.0731 | 2843047.271 | 41 | 283552.09 | 2842702.12 | 64 | 282972.6792 | 2842932.883 |
| 19 | 283538.6417 | 2843047.249 | 42 | 283495.5101 | 2842691.055 | 65 | 282969.6237 | 2842966.659 |
| 20 | 283618.6398 | 2843031.931 | 43 | 283452.5455 | 2842688.214 | 66 | 282995.6816 | 2843028.232 |
| 21 | 283620.9356 | 2843005.09 | 44 | 283436.8043 | 2842694.686 | 67 | 283044.1226 | 2843082.915 |
| 22 | 283623.133 | 2842964.743 | 45 | 283395.2581 | 2842710.039 | | | |
| 23 | 283608.2341 | 2842932.583 | 46 | 283377.9723 | 2842700.427 | | | |

**Tabla VI. Ubicación del sitio 3 con potencial para efectuar la reubicación**

| Reubicación de Bosque de encino-pino. Superficie 23.406 ha | | | | | |
|---|---|---|---|---|---|
| Sitio 3 | | | | | |
| Vértice | X | Y | Vértice | X | Y |
| 1 | 292705.172 | 2841402.47 | 22 | 292342.293 | 2840959.99 |
| 2 | 292758.937 | 2841423.61 | 23 | 292308.432 | 2840984.06 |
| 3 | 292782.415 | 2841377.69 | 24 | 292245.059 | 2840968.91 |
| 4 | 292786.918 | 2841325.91 | 25 | 292248.422 | 2841016.26 |
| 5 | 292780.88 | 2841291.5 | 26 | 292253.588 | 2841085.13 |
| 6 | 292779.789 | 2841287.75 | 27 | 292266.878 | 2841132.53 |
| 7 | 292780.965 | 2841220.17 | 28 | 292268.484 | 2841167.14 |
| 8 | 292797.853 | 2841168.01 | 29 | 292270.118 | 2841204.64 |
| 9 | 292799.409 | 2841161.25 | 30 | 292272.888 | 2841276.28 |
| 10 | 292817.46 | 2841077.85 | 31 | 292211.329 | 2841313.83 |
| 11 | 292819.144 | 2841048.75 | 32 | 292210.572 | 2841352.71 |
| 12 | 292750.174 | 2841039.98 | 33 | 292214.44 | 2841355.62 |
| 13 | 292728.502 | 2841037.3 | 34 | 292261.897 | 2841423.27 |
| 14 | 292668.693 | 2841011.69 | 35 | 292318.863 | 2841477.21 |
| 15 | 292585.484 | 2840997.05 | 36 | 292319.702 | 2841477.2 |
| 16 | 292541.938 | 2841007.01 | 37 | 292350.23 | 2841493.35 |
| 17 | 292500.882 | 2841044.3 | 38 | 292481.472 | 2841448.88 |
| 18 | 292500.123 | 2841045.81 | 39 | 292594.942 | 2841423.88 |
| 19 | 292444.002 | 2841036.93 | 40 | 292680.848 | 2841403.85 |
| 20 | 292425.71 | 2840983.77 | 41 | 292705.172 | 2841402.47 |
| 21 | 292367.075 | 2840974.82 | | | |

**Tabla VII. Ubicación del sitio 4 con potencial para efectuar la reubicación**

| Reubicación de Bosque de pino-encino. Superficie 46.13 ha | | | | | |
|---|---|---|---|---|---|
| Sitio 4 | | | | | |
| Vértice | X | Y | Vértice | X | Y |
| 1 | 291262.195 | 2841509.02 | 14 | 291668.115 | 2841025.31 |
| 2 | 291548.763 | 2841648.62 | 15 | 291660.39 | 2841014.59 |
| 3 | 291751.254 | 2841651.54 | 16 | 291657.442 | 2840999.09 |
| 4 | 291839.478 | 2841642.28 | 17 | 291615.202 | 2841007.01 |
| 5 | 291871.812 | 2841630.46 | 18 | 291462.224 | 2841012.46 |
| 6 | 291995.166 | 2841621.96 | 19 | 291278.102 | 2840942.36 |
| 7 | 292058.393 | 2841604.3 | 20 | 291196.949 | 2840915.66 |
| 8 | 291957.084 | 2841578.79 | 21 | 291022.746 | 2840930.58 |
| 9 | 291930.385 | 2841556.63 | 22 | 290995.799 | 2841092.57 |
| 10 | 291862.325 | 2841470.17 | 23 | 291019.121 | 2841272.35 |
| 11 | 291762.324 | 2841369.38 | 24 | 291001.453 | 2841435.69 |
| 12 | 291706.278 | 2841231.1 | 25 | 291262.195 | 2841509.02 |
| 13 | 291686.886 | 2841048.04 | | | |

## VII. ACCIONES A REALIZAR PARA EL MANTENIMIENTO Y SUPERVIVIENCIA

Las actividades de mantenimiento están encaminadas a auxiliar la germinación del germoplasma y la reubicación de los ejemplares rescatados, con el fin de garantizar la supervivencia del 80% de los individuos establecidos.

Con la finalidad de asegurar la mayor supervivencia, deberá llevar a cabo las siguientes acciones:

- Monitoreo. Esta acción permitirá detectar oportunamente los problemas que aparezcan y darles la solución oportuna.
- Poda. Deberá realizar la poda de ramas muertas, dañadas o enfermas, con la finalidad de mantener la sanidad y propiciar el buen desarrollo de los individuos.
- Deshierbe. Se realizará durante el segundo o tercer mes después de haber terminado las actividades de reforestación y reubicación, posteriormente con una frecuencia de 6 meses. Dicha actividad se hará de forma manual, con la finalidad de eliminar la competencia y propiciar el adecuado desarrollo de los individuos.
- Fertilización. Esta actividad se debe realizar en la fase inicial de la plantación y durante sus primeros tres años de establecida. Se recomienda que esta aplicación se realice al año, para que las nuevas raíces estén en la posibilidad de absorber los elementos que le serán proporcionados.
- Prevención de incendios. Consiste en implementar acciones preventivas para minimizar el riesgo por incendios que pudieran afectar la reforestación y reubicación de las especies de la vegetación.
- Manejo de plagas y enfermedades. Una vez que las plantas se encuentren en el sitio de reubicación, durante el proceso de adaptación se realizará un monitoreo constante con el fin de evitar la posible presencia de plagas y enfermedades que pudieran ocasionar la muerte de los individuos rescatados.
- Suministro de riegos de auxilio. Se aplicarán riegos periódicos durante el primer año de establecidos. Se recomienda realizar esta actividad hasta los tres años o cuando el ejemplar de la especie presente las características adecuadas que aseguren su supervivencia.
- Cercado y protección: El objetivo de esta actividad será el de proteger a la planta para evitar daños o destrucción por posibles agentes que puedan ser controlados.

## VIII. PROGRAMA DE ACTIVIDADES

El calendario de trabajo del programa de manejo de flora silvestre (rescate) en estatus de importancia ecológica y especies en la NOM-059-SEMARNAT-2010.

**Tabla VIII. Cronograma mensual de actividades**

| Actividad/meses | 1 | | 2 | | 3 | | 4 | | 5 | | 6 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1. Búsqueda intensiva de plantas o renuevos** | | | | | | | | | | | | |
| Extracción y trasplante de plantas o renuevos | | ■ | ■ | | | | | | | | | |
| Confinamiento temporal para rehabilitación | | ■ | ■ | | | | | | | | | |
| **2. Colecta de germoplasma** | | | | | | | | | | | | |
| Colecta de frutos (para semilla) | ■ | ■ | ■ | | | | | | | | | |
| Beneficiado de germoplasma | | | | ■ | | | | | | | | |
| Pruebas de germinación | | | | | ■ | ■ | | | | | | |
| Producción de planta (sólo en caso de requerirse) | | | | | | | ■ | ■ | ■ | ■ | ■ | ■ |
| **3. Reubicación** | | | | | | | | | | | | |
| Deshierbe y trazado del terreno para la plantación | | | | | | | ■ | ■ | | | | |
| Apertura de cepas | | | | | | | | | | | ■ | ■ |
| Selección de planta y traslado | | | | | | | | | | | | ■ |
| Plantación | | | ■ | ■ | | | | | | | | ■ |
| Mantenimiento | | | | | ■ | ■ | ■ | | | | | ■ |

**Tabla IX. Cronograma de actividades para un seguimiento de 5 años**

| | AÑOS Y MESES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | | | | | | 2 | | | | | | 3 | | | | | | 4 | | | | | | 5 | | | | | |
| **Actividades** | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 52 | 54 | 56 | 58 | 60 |
| Instalación de los lugares de acopio | ■ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Recolección de germoplasma | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | | | | | | | | | | | | | | | | |
| Reubicación | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | | | | | | | | | | | | | |
| Deshierbe | | | ■ | | | ■ | | | ■ | | | ■ | | | ■ | | | ■ | | | ■ | | | ■ | | | ■ | | | ■ |
| Fertilización | | | | | | ■ | | | | | | ■ | | | | | | ■ | | | | | | | | | | | | |
| Suministro de riegos de auxilio | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | | | | | | | | | | |
| Protección contra pastoreo | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Protección contra incendios | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Protección contra plagas | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Reposición de plantas muertas | | | | | | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | | | | |
| Evaluación y seguimiento de la superficie restaurada | | | ■ | | | ■ | | | ■ | | | ■ | | | ■ | | | ■ | | | ■ | | | ■ | | | ■ | | | ■ |

## IX. EVALUACIÓN DEL RESCATE Y REUBICACIÓN (INDICADORES)

La evaluación y seguimiento permitirá determinar el grado de éxito del programa de rescate y reubicación de especies de la vegetación forestal del proyecto en cuestión, al tiempo en que se logrará mantener el control en las actividades que se proponen, como parte de la metodología que permita alcanzar los objetivos planteados.

Se realizará de forma general para todas las especies reubicadas, tiene como finalidad evaluar a corto y mediano plazo el éxito de las técnicas empleadas. Esta actividad se ejecutará a la segunda semana de haber plantado los ejemplares, el período de monitoreo será de 5 años o hasta lograr el establecimiento total de los ejemplares con un mínimo de supervivencia del 80%; el personal capacitado para esta actividad determinará los periodos del monitoreo.

Durante el establecimiento

Se dará seguimiento durante el primer semestre después de establecida la plantación, lo cual reflejará el éxito, para ello, el factor a considerar más importante es la supervivencia.

Para el seguimiento de la supervivencia de los individuos, se realizarán visitas a los puntos de reubicación con una periodicidad mensual. Considerándose las diferentes épocas y estaciones del año, se contará el número de plantas vivas y se registrarán aspectos como presencia de rebrotes, estado general de la planta, necesidad de hidratación. Se llevará un registro mediante una bitácora de mantenimiento. En dicha bitácora se registrarán los datos de los individuos, la clave de identificación, tipo de mantenimiento realizado y las observaciones relativas a su supervivencia, mismas que formarán parte de los reportes que deberá entregar a la SEMARNAT.

Se sugieren los siguientes datos para la bitácora de mantenimiento:

| | |
|---|---|
| Fecha: | Hora: |
| Coordenadas de ubicación en UTM WGS 84: | |
| Especie y nombre común: | |
| Clave de identificación: | |
| Mantenimiento aplicado: | |
| Fecha de mantenimiento: | |
| Observaciones: | |
| Responsable del mantenimiento: | |

Esta tarea permite tener una estimación cuantitativa del éxito de la reubicación bajo la influencia de los factores del sitio. Para obtener la supervivencia de la plantación se extrapolan los datos de la superficie de muestreo a la totalidad de la plantación. Como ya se ha venido mencionando, es necesario lograr un porcentaje de supervivencia superior a 80%.

Se hará un reporte semestral sobre las actividades realizadas, se utilizarán los siguientes indicadores para determinar el avance y éxito en este programa, lo que permitirá establecer, en su caso ajustes o correcciones a las actividades planteadas.

Los indicadores que se proponen para evaluar la eficiencia del programa de rescate y reubicación de especies de la vegetación forestal del proyecto en cuestión, son los siguientes:

### a. Estimación de la supervivencia

Esta tarea permite tener una estimación cuantitativa del éxito de la plantación bajo la influencia de los factores del sitio. El valor que se obtiene es la proporción de árboles y/o individuos florísticos que están vivos en relación con los árboles y/o individuos florísticos efectivamente plantados. Para obtener la supervivencia de la plantación se extrapolan los datos de la superficie de muestreo a la totalidad de la plantación. Es necesario lograr un porcentaje de supervivencia superior a 80%.

$$p = \frac{\sum_{i=1}^{n} ai}{\sum_{i=1}^{n} mi} \times 100$$

**Donde:**
$\sum_{i=1}^{n}$ = sumatoria de los datos de acuerdo a la variable *a* o *m*.
$p$ = proporción estimada de árboles vivos.
$ai$ = número de plantas vivas en el sitio de muestreo *i*.
$mi$ = número de plantas vivas y muertas en el sitio de muestreo *i*.

### b. Evaluación del estado sanitario

A través de esta evaluación se pretende conocer la proporción de árboles y/o individuos florísticos sanos respecto a los árboles y/o individuos florísticos vivos en la plantación. Se considera que un individuo está sano cuando no presenta daños por plagas o síntomas de enfermedades en cualquiera de sus estructuras.

$$ps = \frac{\sum_{i=1}^{n} Si}{\sum_{i=1}^{n} ai} \times 100$$

**Donde:**
$\sum_{i=1}^{n}$ = sumatoria de los datos de acuerdo a la variable *S* o *a*.
$ps$ = proporción estimada de árboles sanos.
$Si$ = número de árboles sanos en el sitio de muestreo *i*.
$ai$ = número de árboles vivos en el sitio de muestreo *i*.

### c. Estimación del vigor de la plantación

Describe la proporción de órganos vigorosos del total de los árboles y/o individuos florísticos vivos. El vigor se clasifica de la siguiente forma: bueno, cuando la planta presenta un follaje denso, color verde intenso y tiene amplia cobertura de copa; regular, cuando el árbol muestra un follaje menos denso, color verde seco a amarillento y follaje medio; malo, cuando el follaje es amarillento, ralo y de hojas débiles.

$$pv = \frac{\sum_{i=1}^{n} vi}{\sum_{i=1}^{n} ai} \times 100$$

**Donde:**
$\sum_{i=1}^{n}$ = sumatoria de los datos de acuerdo a la variable *v* o *a*.
$pv$ = proporción estimada de árboles vigorosos.
$vi$ = número de árboles vigorosos en el sitio de muestreo *i*.
$ai$ = número de árboles vivos en el sitio de muestreo *i*.

## X. INFORME DE AVANCES Y RESULTADOS

A partir de la información obtenida en las diferentes etapas del programa de rescate y reubicación de especies de la vegetación forestal, del proyecto en cuestión, se elaborarán informes semestrales hasta llegar a un período mínimo de 5 años, o hasta alcanzar los objetivos planteados. Los documentos a generar durante y al final de los trabajos de campo, son:

- Listado de número de individuos rescatados por especie.
- Número de individuos por especies reubicados.
- Número de individuos por especie producidos y trasplantados.
- Porcentaje de supervivencia por especie.
- Estado fitosanitario por especie.
- Actividades de mantenimiento.
- Actividades de reubicación.
- Actividades de trasplante de las especies producidas.
- Estimación de vigorosidad de la plantación.
- Avance respecto de la meta.
- Evidencia fotográfica de las especies.

Se realizará de forma general para la totalidad de las especies rescatadas y reubicadas, tiene como finalidad evaluar a corto y mediano plazo el éxito de la reubicación y la eficacia de las técnicas empleadas.

ATENTAMENTE
EL DIRECTOR GENERAL

SEMARNAT
ESTADOS UNIDOS MEXICANOS
SUBSECRETARÍA DE GESTIÓN PARA LA PROTECCIÓN AMBIENTAL
DIRECCIÓN GENERAL DE GESTIÓN FORESTAL Y DE SUELOS

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