



# **Diario Oficial**

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## **Decreto 308/2015 por el que se modifica el Decreto 160/2014 por el que se expide el Programa de Ordenamiento Ecológico del Territorio Costero del Estado de Yucatán**

Rolando Rodrigo Zapata Bello, Gobernador del Estado de Yucatán, con fundamento en los artículos 4o., párrafo quinto, 25, párrafo primero y 27, párrafo tercero, de la Constitución Política de los Estados Unidos Mexicanos; 7, fracción IX, y 20 BIS 2 de la Ley General del Equilibrio Ecológico y la Protección al Ambiente; 55, fracción II, 60 y 86, párrafo cuarto, de la Constitución Política del Estado de Yucatán; 14, fracciones VIII y IX, del Código de la Administración Pública de Yucatán; 2, fracción I, 17, 18, 20, fracción II, 23 y 24 de la Ley de Protección al Medio Ambiente del Estado de Yucatán; 4, 5, 6, 7, 8 y 10 del Reglamento de la Ley de Protección al Medio Ambiente del Estado de Yucatán; y 13 de la Ley de Asentamientos Humanos del Estado de Yucatán, y

### **Considerando:**

**Primero.** Que el 20 de marzo de 2014 se publicó, en el diario oficial del estado, el Decreto 160/2014 por el que se expide el Programa de Ordenamiento Ecológico del Territorio Costero del Estado de Yucatán, instrumento jurídico de planeación, basado en información técnica y científica, que determina esquemas de regulación de la ocupación territorial que maximiza el consenso entre los actores sociales y minimiza el conflicto sobre el uso de suelo.

**Segundo.** Que el programa de ordenamiento ecológico dispone, en su artículo 3, fracción I, que tiene por objeto llevar a cabo la regionalización ecológica del territorio costero del estado de Yucatán, identificando áreas de atención prioritaria y áreas de aptitud sectorial, conforme a las disposiciones contenidas en el Reglamento de la Ley General del Equilibrio Ecológico y la Protección al Ambiente en Materia de Ordenamiento Ecológico; y establecer los lineamientos y estrategias ecológicas necesarias para promover la preservación, protección, restauración y aprovechamiento sustentable de los recursos naturales, que aseguren la seguridad alimentaria de las poblaciones locales y la biodiversidad en todo el territorio.

**Tercero.** Que el Plan Estatal de Desarrollo 2012-2018 establece, en el eje del desarrollo Yucatán Seguro, el tema Certeza Jurídica y Patrimonial, cuyo objetivo número 1 es "Aumentar los niveles de certeza jurídica en el estado". Entre las estrategias para cumplir con este objetivo se encuentra la de "Impulsar la actualización constante del marco jurídico estatal".

**Cuarto.** Que de una revisión integral al programa de ordenamiento ecológico se determinó la necesidad de modificar sus contenidos para incorporar elementos que permitan revertir las tendencias históricas de degradación ambiental del territorio costero y asegurar su desarrollo sustentable en el corto, mediano y largo plazo. Entre estos elementos destaca la alineación del programa a la realidad imperante en el territorio costero, a los contenidos de los decretos de creación de las áreas naturales protegidas en el territorio costero, a los usos de suelo y a las capacidades de carga de las unidades de gestión ambiental.

**Quinto.** Que, para tal efecto, se realizó un procedimiento de consulta pública de acuerdo con lo establecido en la Ley de Protección al Medio Ambiente del Estado de Yucatán, cuyo aviso de inició fue publicado, en el diario oficial del estado, el 27 de julio de 2015, del cual derivó la revisión y discusión de las modificaciones al Programa de Ordenamiento Ecológico del Territorio Costero del Estado de Yucatán, por el Comité de Ordenamiento Territorial que forma parte del Consejo Estatal de Desarrollo Urbano de Yucatán, el cual estuvo integrado por representantes de la comunidad científica, colegios de profesionistas y cámaras empresariales.

**Sexto.** Que, con base en la consulta mencionada en el considerando anterior, se confirmó la necesidad de modificar las claves 18 y 19 de las actividades y usos de suelo asignadas a las unidades de gestión ambiental, a fin de identificar las relativas a las industrias ligeras no contaminantes del manto freático y de bajo consumo de agua, y a las semipesadas y pesadas; clarificar la clave 24 del criterio de regulación ecológica de las unidades de gestión ambiental, para especificar que en la construcción de edificios en la barra arenosa el estudio de capacidad de carga o estudio de contexto será el equivalente al que determine el número máximo de lotes unifamiliares que pueden establecerse en la superficie máxima de aprovechamiento para el desarrollo y que la altura máxima será de 3 metros por piso para construcciones verticales multifamiliares y de 10 metros en el caso de viviendas unifamiliares; e incluir las claves 22, 23 y 24 de los criterios de regulación ecológica a las unidades de gestión ambiental ubicadas en la barra arenosa y que son susceptibles de algún tipo de construcción.

**Séptimo.** Que, de igual forma, a través de la consulta pública referida, se determinó la conveniencia de adecuar los límites de las unidades de gestión ambiental con los límites de las áreas naturales protegidas para que estos coincidan en todos sus puntos; la unidad de gestión ambiental de confinamiento para incluir todos los predios que tenían esa aptitud por derechos de uso de suelo adquiridos con anterioridad, o porque contaban con esa vocación; los mapas de las unidades de gestión ambiental de Celestún, Hunucmá, Progreso, Ixil, Dzemul, Telchac Puerto,

Sinanché, Dzilam de Bravo, San Felipe, Tizimín, Tetiz y Dzilam González, para adecuarlos a los nuevos límites de las áreas naturales protegidas y el área de confinamiento; las tablas de descripción de las unidades de gestión ambiental de Hunucmá, Progreso, Ixil, Dzemul, Telchac Puerto, Sinanché, Yobaín, Dzidzantún, Dzilam de Bravo, San Felipe, Río Lagartos, Tizimín, Tetiz, Ucú, Mérida, Chicxulub Pueblo, Mocochoá, Baca, Motul, Telchac Pueblo, Dzilam González y Panabá contenidas en el artículo 14; y, por último, los anexos I y III, denominados Metodología para el cálculo de la capacidad de carga y Coordenadas de las unidades de gestión ambiental, respectivamente.

**Octavo.** Que el Gobierno del Estado de Yucatán, consciente de la necesidad de promover procesos de desarrollo sustentable y para revertir las tendencias históricas de degradación ambiental del territorio costero, ha decidido modificar el Programa de Ordenamiento Ecológico del Territorio Costero del Estado de Yucatán, a fin de asegurar su desarrollo sustentable en el corto, mediano y largo plazo.

Por las consideraciones expuestas, he tenido a bien expedir el presente:

**Decreto 308/2015 por el que se modifica el Decreto 160/2014 por el que se expide el Programa de Ordenamiento Ecológico del Territorio Costero del Estado de Yucatán**

**Artículo único. Se reforman:** las claves 18 y 19 de las actividades y usos de suelo de las unidades de gestión ambiental contenidas en la tabla del artículo 11; la clave 24 de los criterios de regulación ecológica de las unidades de gestión ambiental contenida en el artículo 12; el mapa de Celestún, los mapas y las tablas de descripción de Hunucmá, Progreso, Ixil, Dzemul, Telchac Puerto y Sinanché, las tablas de descripción de Yobaín y Dzidzantún, los mapas y las tablas de descripción de Dzilam de Bravo y San Felipe, la tabla de descripción de Río Lagartos, los mapas y las tablas de descripción de Tizimín y Tetiz, las tablas de descripción de Ucú, Mérida, Chicxulub Pueblo, Mocochoá, Baca, Motul y Telchac Pueblo, el mapa y la tabla de descripción de Dzilam González y la tabla de descripción de Panabá de las unidades de gestión ambiental contenidas en el artículo 14; el artículo 22; el anexo I; la denominación del anexo III y las coordenadas CEL06-MAN\_C3 y CEL08-SAB\_C2 de Celestún, las coordenadas HUN10-MAN\_ANP, HUN12-SAB\_ANP y HUN16-SEL\_AP2 de Hunucmá, las coordenadas PRO03-BAR\_C3, PRO04-BAR\_URB, PRO06-BAR\_URB, PRO09-BAR\_C3-R, PRO11-MAN\_ANP, PRO12-SAB\_ANP, PRO15-MIX\_CONF, PRO17-SEL\_C3, PRO18-SEL\_AP1 y PRO20-SEL\_C3 de Progreso, la coordenada IXI02-MAN\_ANP de Ixil, la coordenada DZE01-BAR\_C3-R de Dzemul, las coordenadas TEL01-BAR\_AP1-R, TEL02-BAR\_PORT, TEL03-BAR\_AP1, TEL04-BAR\_URB,

TEL05-BAR\_AP1, TEL06-LAG\_ANP, TEL07-MAN\_ANP, TEL08-SAB\_ANP, de las entonces TEL09-SEL\_ANP, TEL10-SEL\_C3, TEL11-SEL\_C2, TEL12-SEL\_C3 y TEL13-SEL\_C2 que pasan a ser TEL09-SEL\_C3, TEL10-SEL\_C2, TEL11-SEL\_C3, TEL12-SEL\_C2 y TEL13-SEL\_C3, respectivamente, y la coordenada TEL14-SEL\_C3 de Telchac Puerto; las coordenadas SIN01-BAR\_AP1, SIN02-BAR\_URB, SIN03-MAN\_ANP, SIN04-SAB\_ANP, de las entonces SIN05-SEL\_ANP, SIN06-SEL\_C3, SIN07-SEL\_C2, SIN08-SEL-AP1 y SIN09-SEL\_URB que pasan a ser SIN05-SEL\_C3, SIN06-SEL\_C2, SIN07-SEL\_AP1, SIN08-SEL\_URB y SIN09-SEL\_AP2, respectivamente, de Sinanché; la coordenada DZI12-SEL\_ANP de Dzilam de Bravo; la coordenada SFE06-MAN\_ANP de San Felipe; las coordenadas TET01-SAB\_C2 y TET02-SEL\_AP1 de Tetiz; y la coordenada DZG03-SEL\_C3 de Dzilam González, de dicho anexo; todos del Programa de Ordenamiento Ecológico del Territorio Costero del Estado de Yucatán, para quedar como sigue:

#### Artículo 11. Actividades y usos de suelo

...

Clave	Actividades y usos de suelo
1 al 17 ...	...
18	Industrial ligera no contaminante del manto freático y de bajo consumo de agua.
19	Industria semipesada y pesada.
20 al 29 ...	...

#### Artículo 12. Criterios de regulación ecológica

...

Clave	Criterios de regulación ecológica
1 al 23 ...	...
24	La altura máxima de los edificios construidos en la barra arenosa dentro del área que resulte del estudio de capacidad de carga determinada por el anexo I o el estudio de contexto, será equivalente a la que determine el número máximo de lotes unifamiliares que pudiera establecerse en la superficie máxima de aprovechamiento para el desarrollo, es decir el número de lotes máximo que puede ser distribuidos de manera horizontal o vertical. Se tomarán como base para este cálculo, los lotes con una

	superficie de 300 m <sup>2</sup> y las restricciones por concepto de vialidades o circulaciones y áreas de destino o áreas comunes. Para el cálculo de altura en metros, se tomará como base que la altura máxima por piso se considerará de tres metros. En el caso de una vivienda unifamiliar, la altura máxima de dicha vivienda será de diez metros.
25 al 65 ...	...

**Artículo 14. Descripción de las UGA**

...

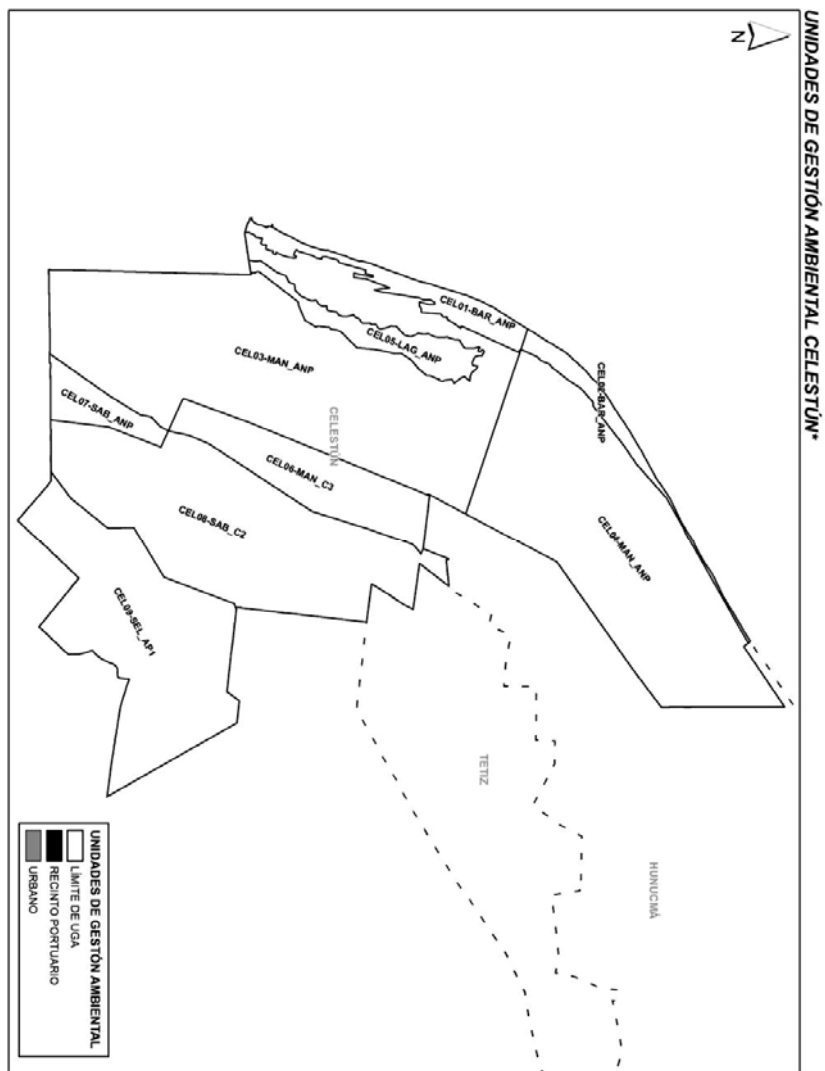
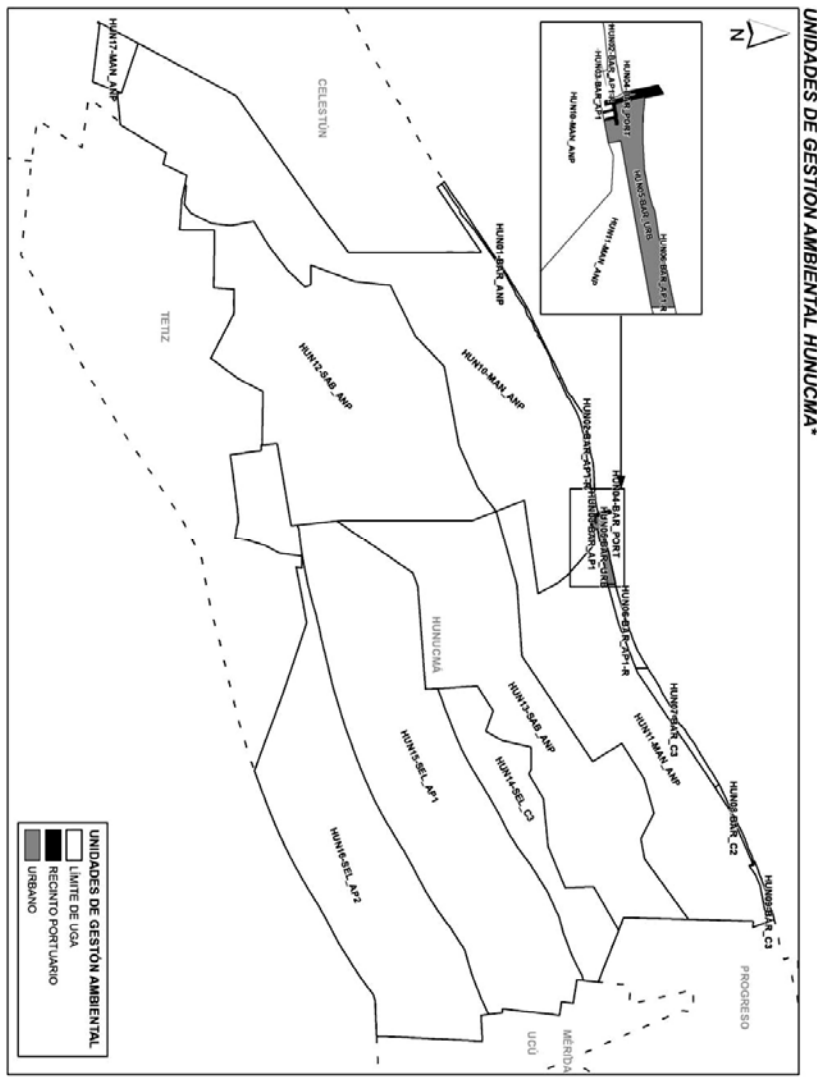


Tabla de descripción de unidades de gestión ambiental Celestún...

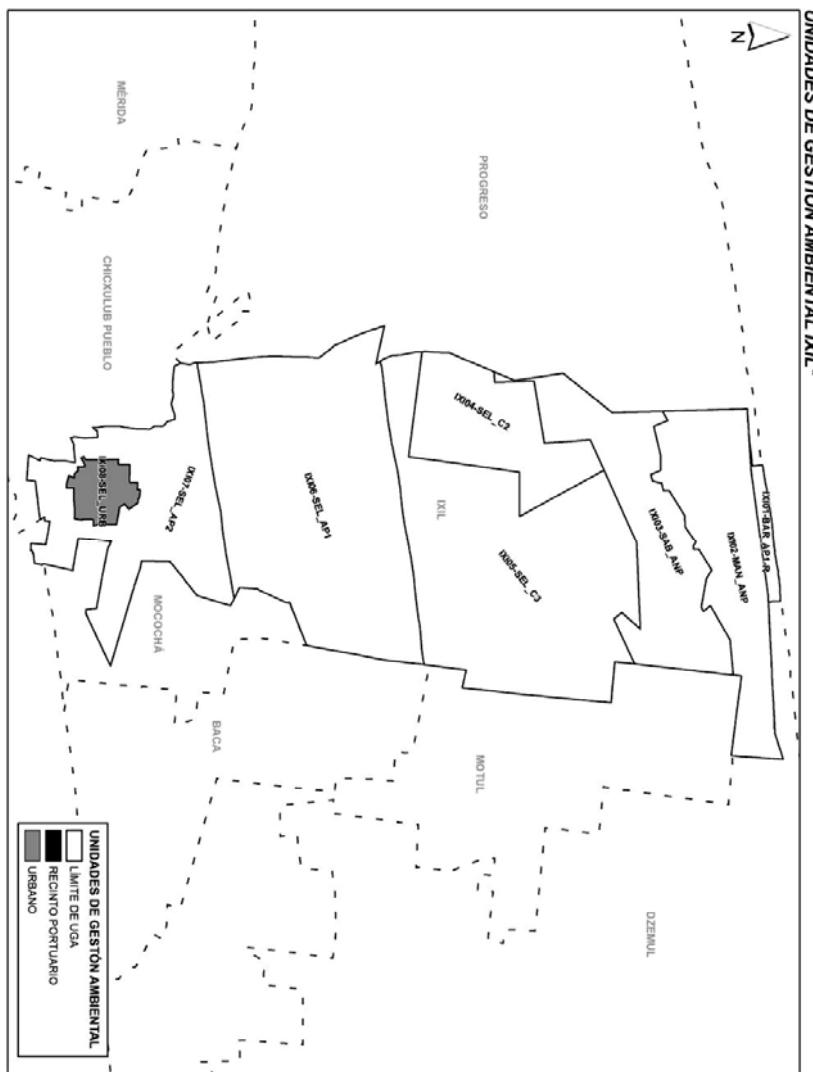




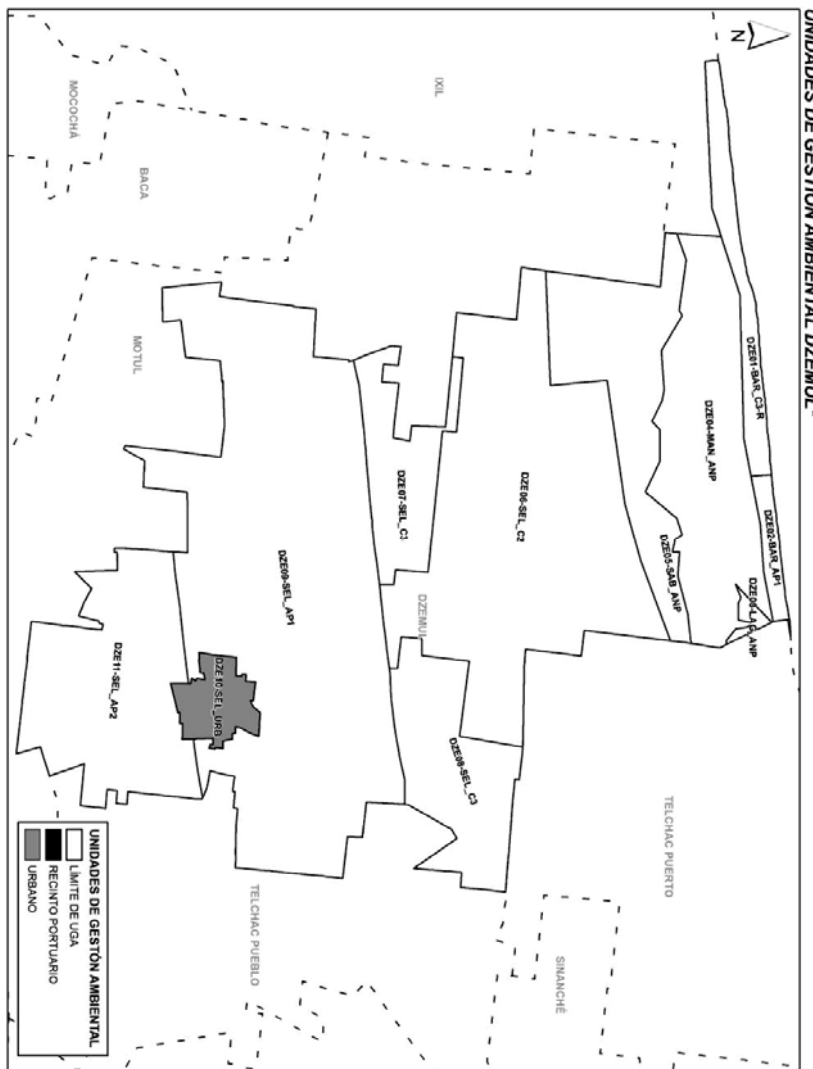
HUNUCMÁ					
CLAVE	POLITICA	USOS ACTUALES	USOS COMPATIBLE	USOS NO COMPATIBLES	CRITERIOS DE REGULACIÓN
HUN01-BAR	ANP				REMITIRSE AL PROGRAMA DE MANEJO
HUN02-BAR	AP1-R	1,2	1,2,3,4,9,20,21,22,23,25,27	5,6,7,8,10,11,12,13,14,15,16,17,18,19,24,26,28,29	2,5,9,10,11,12,18,19,20,21,22,23,24,25,26,30,31,32,33,37,38,39,41,57,59,61,63,64
HUN03-BAR	AP1	1,2	1,2,3,4,20,27	5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,28,29	2,37,57,59,61,63,64
HUN04-BAR	PORT				NO COMPETE A ESTE ORDENAMIENTO
HUN05-BAR	URB				NO COMPETE A ESTE ORDENAMIENTO
HUN06-BAR	AP1-R	7	1,2,9,21,22,23,25,27	3,4,5,6,7,8,10,11,12,13,14,15,16,17,18,19,20,24,26,28,29	5,9,10,11,12,18,19,20,21,22,23,24,25,26,30,31,32,33,34,35,37,38,39,55,57,58,59,61,63,64
HUN07-BAR	C3	2	1,2,3,4,9,20,21,22,23,25	5,6,7,8,10,11,12,13,14,15,16,17,18,19,24,26,27,28,29	2,5,9,11,12,18,19,20,21,22,23,24,25,30,31,32,33,37,38,39,41,57,59,61,63,64
HUN08-BAR	C2	2,20	1,2,3,4,20	5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,21,22,23,24,25,26,27,28,29	2,12,15,32,33,34,59,61,63,64
HUN09-BAR	C3	2,20	1,2,3,4,9,20,21,22	6,7,8,10,11,12,13,14,15,18,19,23,24,25,26,28,29	2,5,9,11,12,19,20,21,22,23,24,25,28,30,31,32,33,34,35,38,39,41,57,59,61,63,64
HUN10-MAN	ANP				REMITIRSE AL PROGRAMA DE MANEJO
HUN11-MAN	ANP				REMITIRSE AL PROGRAMA DE MANEJO
HUN12-SAB	ANP				REMITIRSE AL PROGRAMA DE MANEJO
HUN13-SAB	ANP				REMITIRSE AL PROGRAMA DE MANEJO
HUN14-SEL	C3	2,3,8	1,2,3,4,6,7,8,20,21,22,25,28	5,9,10,11,12,13,14,15,16,17,18,19,23,24,26,27,29	5,8,10,11,13,15,16,17,25,27,28,29,35,39,40,41,43,45,46,52,55,57,58,61,62
HUN15-SEL	AP1	2,3,8,12,16	1,2,3,4,6,7,8,9,10,16,20,21,22,23,25,26,28	5,11,12,13,14,15,17,18,19,24,27,29	6,8,10,11,13,25,27,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62
HUN16-SEL	AP2	2,3,8,12,16,22,25,26	1,2,3,4,6,7,8,9,10,11,12,16,17,18,19,20,21,23,24,25,26,28	5,13,14,15,27,29	7,8,10,11,13,25,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62
HUN17-MAN	ANP				REMITIRSE AL PROGRAMA DE MANEJO



PROGRESO					
CLAVE	POLITICA	USOS ACTUALES	USOS COMPATIBLE	USOS NO COMPATIBLES	CRITERIOS DE REGULACIÓN
PRO01-BAR	C3-R	2,13,20	1,2,3,4,9,13,20,21,22,27	5,6,7,8,10,11,12,14,15,16,17,18,19,23,24,25,26,27,28,29	2,5,9,11,12,18,19,20,21,22,23,24,25,26,30,31,32,33,34,35,37,38,39,40,41,55,57,58,61,63,64
PRO02-BAR	PORT				NO COMPETE A ESTE ORDENAMIENTO
PRO03-BAR	C3	2,15,20	1,2,3,4,20,21,22,23,27	5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,24,25,26,28,29	2,5,9,10,11,12,18,19,21,22,23,24,32,33,34,37,39,47,59,61,63,64
PRO04-BAR	URB				NO COMPETE A ESTE ORDENAMIENTO
PRO05-BAR	PORT				NO COMPETE A ESTE ORDENAMIENTO
PRO06-BAR	URB				NO COMPETE A ESTE ORDENAMIENTO
PRO07-BAR	PORT				NO COMPETE A ESTE ORDENAMIENTO
PRO08-BAR	AP1	2,9,22	1,2,3,4,9,20,21,22,23,25	5,6,7,8,10,11,12,13,14,15,16,17,18,19,24,26,27,28,29	5,9,10,11,12,19,20,21,22,23,24,25,30,31,32,33,34,35,37,38,39,40,41,55,57,58,61,63,64
PRO09-BAR	C3-R	2,9,22	1,2,3,4,9,20,21,22,25	5,6,7,8,10,11,12,13,14,15,16,17,18,19,23,24,26,27,28,29	5,9,10,11,12,18,19,20,21,22,23,24,25,30,31,32,33,34,35,37,38,39,40,41,55,57,58,61,63,64
PRO10-LAG	ANP				REMITIRSE AL PROGRAMA DE MANEJO
PRO11-MAN	ANP				REMITIRSE AL PROGRAMA DE MANEJO
PRO12-SAB	ANP				REMITIRSE AL PROGRAMA DE MANEJO
PRO13-SEL	C3	2,3,8,9,12,16,17,25	1,2,3,4,6,7,8,9,11,12,16,20,21,22,23,25,28,29	5,10,13,14,15,17,18,19,24,26,27	5,8,10,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62,65
PRO14-SEL	C3	2,3,8,9,12,16,17,25	1,2,3,4,6,7,8,9,11,12,16,20,21,22,23,25,28,29	5,10,13,14,15,17,18,19,24,26,27	5,8,10,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62,65
PRO15-MIX	CONF	2,5,6,8,9,10,11,12,16,17,18,19,23,25	6,7,8,9,10,11,12,16,17,18,19,28,29	1,2,3,4,5,13,14,15,20,21,22,23,24,25,26,27	4,5,10,11,16,17,25,27,29,35,36,39,40,41,42,45,46,52,55,57,58,59,61,65
PRO16-SEL	URB				NO COMPETE A ESTE ORDENAMIENTO
PRO17-SEL	C3	2,3,8,9,12,16,17,25	1,2,3,4,6,7,8,9,11,12,16,20,21,22,23,25,28,29	5,10,13,14,15,17,18,19,24,26,27	5,8,10,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62,65
PRO18-SEL	AP1	2,3,8,12,26	1,2,3,4,6,7,8,9,10,16,18,20,21,22,23,25,26,28,29	5,11,12,13,14,15,17,19,24,27	6,10,11,13,25,27,28,29,35,39,40,41,44,45,46,52,55,57,58,60,62,65
PRO19-SEL	AP1	2,3,8,12,16	1,2,3,4,6,7,8,9,10,12,16,18,20,21,22,23,25,26,28,29	5,11,13,14,15,17,19,24,27	6,8,10,11,13,25,27,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62,65
PRO20-SEL	C3	2,3,8,9,12,16,17,25	1,2,3,4,6,7,8,9,11,12,16,20,21,22,23,25,28,29	5,10,13,14,15,17,18,19,24,26,27	5,8,10,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62,65

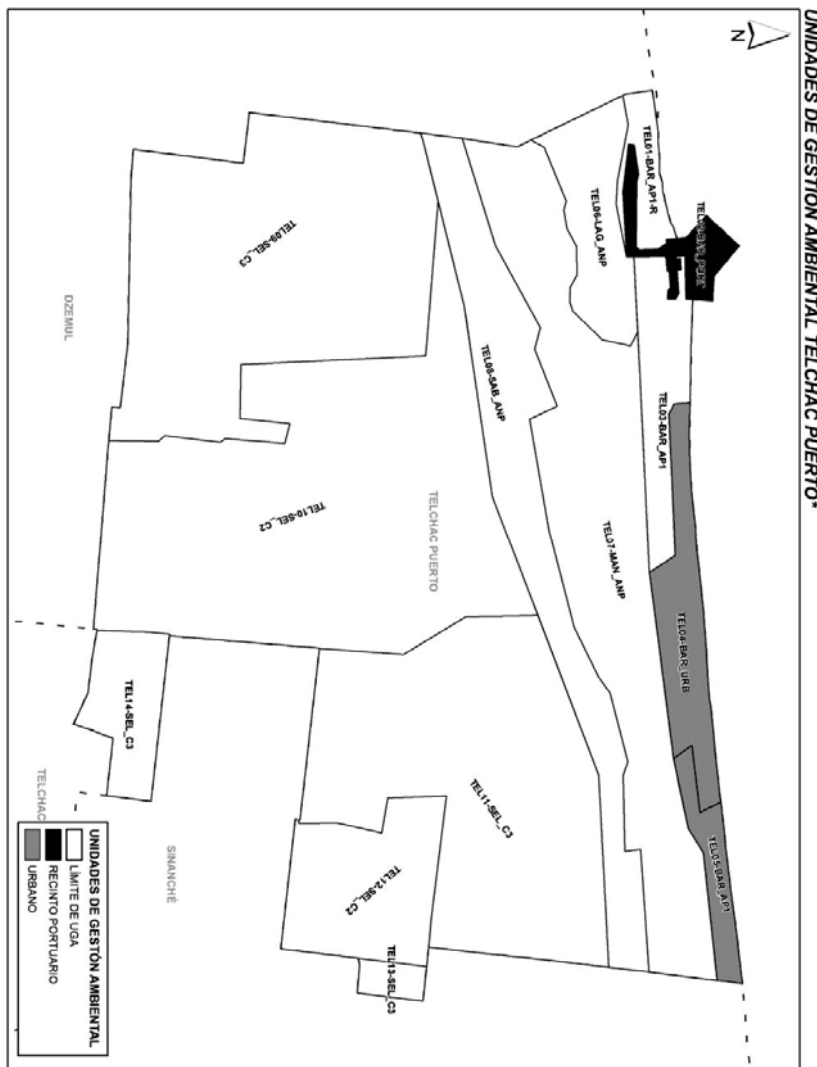


IXIL					
CLAVE	POLITICA	USOS ACTUALES	USOS COMPATIBLE	USOS NO COMPATIBLES	CRITERIOS DE REGULACIÓN
IXI01-BAR	AP1-R	2,22	1,2,3,4,9,18,20,21,22,23,25	5,6,7,8,10,11,12,13,14,15,16,17,19,24,26,27,28,29	2,9,11,12,18,19,20,21,22,23,24,30,31,32,37,38,47,57,59,61,63,64
IXI02-MAN	ANP				REMITIRSE AL PROGRAMA DE MANEJO
IXI03-SAB	ANP				REMITIRSE AL PROGRAMA DE MANEJO
IXI04-SEL	C2	2,3,8	1,2,3,4,6,8,16,20,21,28	5,7,9,10,11,12,13,14,15,17,18,19,22,23,24,25,26,27,29	5,8,11,13,25,23,28,29,35,39,40,41,45,46,52,55,57,58,61,62
IXI05-SEL	C3	2,3,8	1,2,3,4,6,7,8,9,11,12,16,20,21,22,23,25,28,29	5,10,13,14,15,17,18,19,24,26,27	5,8,10,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62,65
IXI06-SEL	AP1	2,3,8,9,10,16,26	1,2,3,4,6,7,8,9,10,12,16,18,20,21,22,23,25,26,28,29	5,11,13,14,15,17,19,24,27	6,8,10,11,13,25,27,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62,65
IXI07-SEL	AP2	2,3,8,9,10,12,16,18,25,26	1,2,3,4,6,7,8,9,10,11,12,16,17,18,19,20,21,22,23,24,25,26,28,29	5,13,14,15,27	7,10,11,13,25,28,29,35,39,40,41,43,45,46,52,54,55,57,58,60,62,65
IXI08-SEL	URB				NO COMPETE A ESTE ORDENAMIENTO

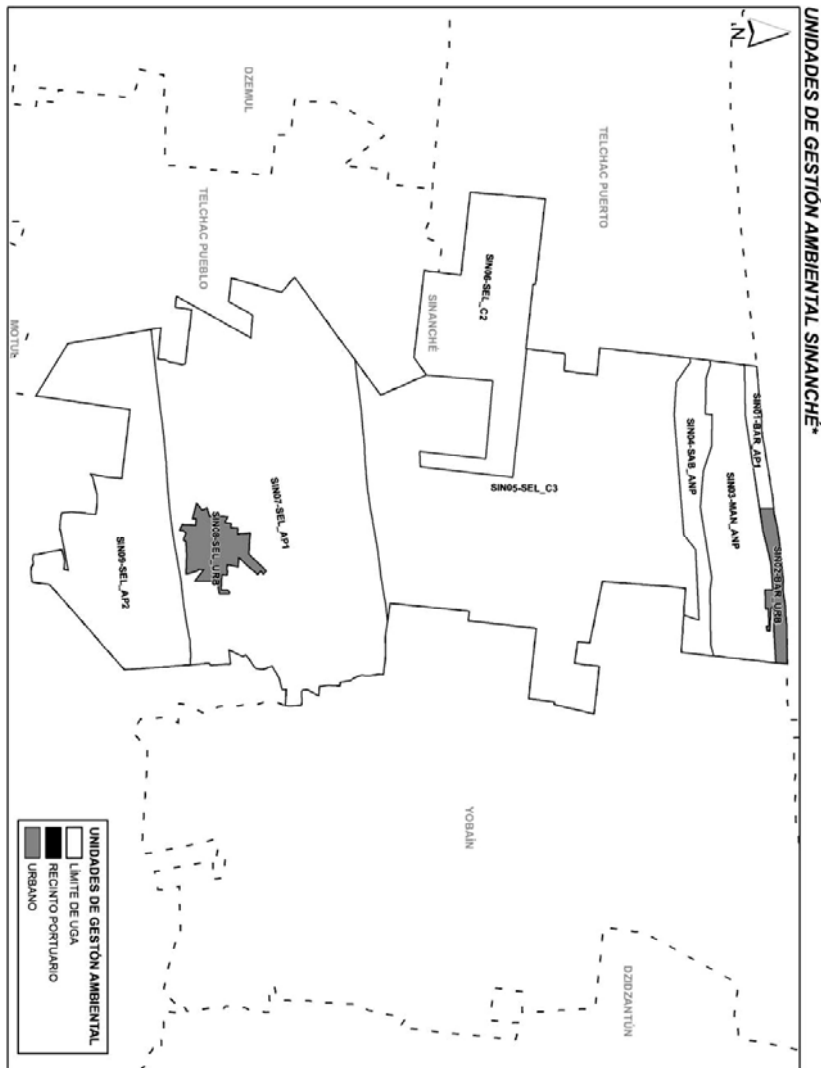


DZEMUL					
CLAVE	POLITICA	USOS ACTUALES	USOS COMPATIBLE	USOS NO COMPATIBLES	CRITERIOS DE REGULACIÓN
DZE01-BAR	C3-R	1,2,4,9,10,22	1,2,3,4,9,10,20,21,22,23,25	5,6,7,8,11,12,13,14,15,16,17,18,19,23,24,26,27,28,29	2,9,11,12,18,19,20,21,22,23,24,25,30,31,32,33,37,38,39,41,47,57,59,61,63,64
DZE02-BAR	AP1	2,9,22	1,2,3,4,9,20,21,22,23,25	5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,24,26,27,28,29	2,5,9,10,11,12,19,20,21,22,23,24,29,30,31,32,34,35,38,57,59,61,63,64
DZE03-LAG	ANP				REMITIRSE AL PROGRAMA DE MANEJO
DZE04-MAN	ANP				REMITIRSE AL PROGRAMA DE MANEJO
DZE05-SAB	ANP				REMITIRSE AL PROGRAMA DE MANEJO
DZE06-SEL	C2	2,3,8,9,10,11,16,26	1,2,3,4,6,8,16,20,21,28	5,7,9,10,11,12,13,14,15,17,18,19,22,23,24,25,26,27,29	5,8,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62
DZE07-SEL	C3	2,3,8,9,11	1,2,3,4,6,7,8,9,11,12,16,20,21,22,23,25,28,29	5,10,13,14,15,17,18,19,24,26,27	5,8,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62,65
DZE08-SEL	C3	2,3,8,9,10,11,16	1,2,3,4,6,7,8,9,11,12,16,20,21,22,23,25,28,29	5,10,13,14,15,17,18,19,24,26,27	5,8,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62,65
DZE09-SEL	AP1	2,3,8,9,10,12,16,25	1,2,3,4,6,7,8,9,10,12,16,18,20,21,22,23,25,26,28,29	5,11,13,14,15,17,19,24,27	6,8,10,11,13,25,27,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62,65
DZE10-SEL	URB				NO COMPETE A ESTE ORDENAMIENTO
DZE11-SEL	AP2	2,3,8,9,10,12,16	1,2,3,4,6,7,8,9,10,11,12,16,17,18,19,20,21,22,23,24,25,26,28,29	5,13,14,15,27	7,10,11,13,25,28,29,35,39,40,41,43,45,46,52,54,55,57,58,60,62,65





TELCHAC PUERTO					
CLAVE	POLITICA	USOS ACTUALES	USOS COMPATIBLE	USOS NO COMPATIBLES	CRITERIOS DE REGULACIÓN
TEL01-BAR	AP1-R	2,9,15,23	1,2,3,4,9,15,20,21,23,25,27	5,6,7,8,10,11,12,13,14,16,17,18,19,22,24,26,28,29	2,5,9,10,11,12,18,19,20,21,22,23,24,25,26,29,30,31,32,33,34,35,37,38,39,40,57,58,59,61,63,64
TEL02-BAR	PORT				NO COMPETE A ESTE ORDENAMIENTO
TEL03-BAR	AP1	2,22,25	1,2,3,4,6,7,9,18,20,21,22,23,25,27	5,8,10,11,12,13,14,15,16,17,19,24,26,28,29	5,9,10,11,12,18,19,20,21,22,23,24,26,30,31,32,33,34,35,38,39,40,57,58,59,61,63,64
TEL04-BAR	URB				NO COMPETE A ESTE ORDENAMIENTO
TEL05-BAR	AP1	2,22,25	1,2,3,4,6,7,9,18,20,21,22,23,25	5,8,10,11,12,13,14,15,16,17,19,24,26,27,28,29	5,9,10,11,12,18,19,20,21,22,23,24,30,31,32,33,34,35,38,39,57,58,59,61,63,64
TEL06-LAG	ANP				REMITIRSE AL PROGRAMA DE MANEJO
TEL07-MAN	ANP				REMITIRSE AL PROGRAMA DE MANEJO
TEL08-SAB	ANP				REMITIRSE AL PROGRAMA DE MANEJO
TEL09-SEL	C3	2,3,8,16,22,23,24,25	1,2,3,4,6,7,8,9,11,12,16,20,21,22,23,25,28,29	5,10,13,14,15,17,18,19,24,26,27	5,8,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62,65
TEL10-SEL	C2	2,3,8,9,11	1,2,3,4,6,8,16,20,21,28	5,7,9,10,11,12,13,14,15,17,18,19,22,23,24,25,26,27,29	5,8,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62
TEL11-SEL	C3	2,3,8,9,10,16	1,2,3,4,6,7,8,9,11,12,16,20,21,22,23,25,28,29	5,10,13,14,15,17,18,19,24,26,27	5,8,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62,65
TEL12-SEL	C2	2,3,8,9,11	1,2,3,4,6,8,16,20,21,28	5,7,9,10,11,12,13,14,15,17,18,19,22,23,24,25,26,27,29	5,8,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62
TEL13-SEL	C3	2,3,8,11	1,2,3,4,6,7,8,9,11,12,16,20,21,22,23,25,28,29	5,10,13,14,15,17,18,19,24,26,27	5,8,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62,65
TEL14-SEL	C3	2,3,8,16,22,23,24,25	1,2,3,4,6,7,8,9,11,12,16,20,21,22,23,25,28,29	5,10,13,14,15,17,18,19,24,26,27	5,8,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62,65



SINANCHÉ					
CLAVE	POLITICA	USOS ACTUALES	USOS COMPATIBLE	USOS NO COMPATIBLES	CRITERIOS DE REGULACIÓN
SIN01-BAR	AP1	2,9,21,22	1,2,3,4,9,20,21,22,23,25	5,6,7,8,10,11,12,13,14,15,16,17,18,19,24,26,27,28,29	2,5,9,10,11,12,18,19,20,21,22,23,24,29,30,31,32,33,34,37,52,53,54,56,58,59
SIN02-BAR	URB				NO COMPETE A ESTE ORDENAMIENTO
SIN03-MAN	ANP				REMITIRSE AL PROGRAMA DE MANEJO
SIN04-SAB	ANP				REMITIRSE AL PROGRAMA DE MANEJO
SIN05-SEL	C3	2,3,8,9,10,11,16	1,2,3,4,6,7,8,9,11,12,16,20,21,22,23,25,28,29	5,10,13,14,15,17,18,19,24,26,27	5,8,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62,65
SIN06-SEL	C2	2,3,8,9,10	1,2,3,4,6,8,16,20,21,28	5,7,9,10,11,12,13,14,15,17,18,19,22,23,24,25,26,27	5,8,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62
SIN07-SEL	AP1	2,3,8,9,10,16,25,26	1,2,3,4,6,7,8,9,10,12,16,18,20,21,22,23,25,26,28,29	5,11,13,14,15,17,19,24,27	6,8,10,11,13,25,27,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62,65
SIN08-SEL	URB				NO COMPETE A ESTE ORDENAMIENTO
SIN09-SEL	AP2	2,3,8,9,10,26,28	1,2,3,4,6,7,8,9,10,11,12,16,17,18,19,20,21,22,23,24,25,26,28,29	5,13,14,15,27	7,10,11,13,25,28,29,35,39,40,41,43,45,46,52,54,55,57,58,60,62,65

Mapa de unidades de gestión ambiental Yobaín...

YOBAIN					
CLAVE	POLITICA	USOS ACTUALES	USOS COMPATIBLE	USOS NO COMPATIBLES	CRITERIOS DE REGULACIÓN
YOB01-BAR	AP1-R	2,22	1,2,3,4,9,20,21,22,23,25,27	5,6,7,8,10,11,12,13,14,15,16,17,18,19,24,26,28,29	3,5,9,10,11,12,18,19,20,21,22,23,24,26,30,31,32,33,34,35,38,39,57,59,61,63,64
YOB02-BAR	PORT				NO COMPETE A ESTE ORDENAMIENTO
YOB03-BAR	AP1	2,22	1,2,3,4,9,20,21,22,23,25,27	5,6,7,8,10,11,12,13,14,15,16,17,18,19,24,26,28,29	2,5,9,10,11,12,18,19,20,21,22,23,24,26,30,31,32,33,34,35,38,39,57,59,61,63,64
YOB04-BAR	URB				NO COMPETE A ESTE ORDENAMIENTO
YOB05-BAR	C2-R	2,22	1,2,3,4 20	5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,21,22,23,24,25,26,27,28,29	2,9,12,15,32,33,34,37,39,59,61,63,64
YOB06-MAN	ANP				REMITIRSE AL PROGRAMA DE MANEJO
YOB07-LAG	ANP				REMITIRSE AL PROGRAMA DE MANEJO
YOB08-SAB	ANP				REMITIRSE AL PROGRAMA DE MANEJO
YOB09-SEL	C3	2,3,8,9,10,11,12	1,2,3,4,6,7,8,9,10,11,12,16,20,21,22,23,25,28,29	5,13,14,15,17,18,19,24,26,27	5,8,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62,65
YOB10-SEL	C2	2,3,8,9,10	1,2,3,4,6,8,16,20,21,28	5,7,9,10,11,12,13,14,15,17,18,19,22,23,24,25,26,27,29	5,8,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62
YOB11-SEL	AP1	2,3,8,9,10,16,25,26	1,2,3,4,6,7,8,9,10,12,16,18,20,21,22,23,25,26,28,29	5,11,13,14,15,17,19,24,27	6,8,10,11,13,25,27,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62,65
YOB12-SEL	URB				NO COMPETE A ESTE ORDENAMIENTO
YOB13-SEL	AP2	2,3,8,9,10,12	1,2,3,4,6,7,8,9,10,11,12,16,17,18,19,20,21,22,23,24,25,26,28,29	5,13,14,15,27	7,10,11,13,25,28,29,35,39,40,41,43,45,46,52,54,55,57,58,60,62,65
YOB14-SEL	AP2	2,3,8,9	1,2,3,4,6,7,8,9,10,11,12,16,17,18,19,20,21,22,23,24,25,26,28,29	5,13,14,15,27	7,10,11,13,25,28,29,35,39,40,41,43,45,46,52,54,55,57,58,60,62,65

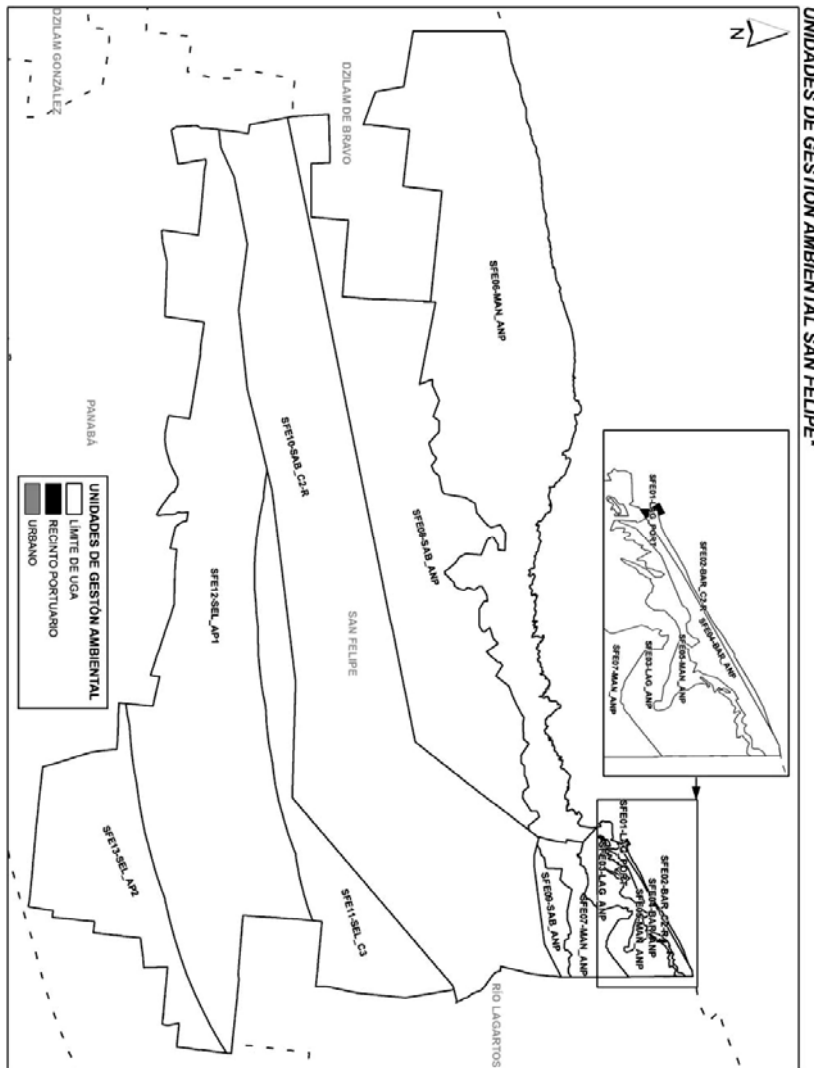
## Mapa de unidades de gestión ambiental Dzidzantún...

DZIDZANTÚN					
CLAVE	POLITICA	USOS ACTUALES	USOS COMPATIBLE	USOS NO COMPATIBLES	CRITERIOS DE REGULACIÓN PROYECTO
DZD01-BAR	C3	1,2	1,2,3,4,6,7,9,20,21,22,23,25	5,8,10,11,12,13,14,15,16,17,18,19,24,26,27,28,29	5,10,11,12,19,20,21,22,23,24,25,30,31,32,33,34,35,37,39,41,57,58,59,61,63,64
DZD02-BAR	URB				NO COMPETE A ESTE ORDENAMIENTO
DZD03-BAR	C3	1,2,13	1,2,3,4,6,7,9,20,21,22,23,25	5,8,10,11,12,13,14,15,16,17,18,19,24,26,27,28,29	5,10,11,12,19,20,21,22,23,24,25,30,31,32,33,34,35,37,39,41,57,58,59,61,63,64
DZD04-MAN	ANP				REMITIRSE AL PROGRAMA DE MANEJO
DZD05-LAG	ANP				REMITIRSE AL PROGRAMA DE MANEJO
DZD06-SAB	ANP				REMITIRSE AL PROGRAMA DE MANEJO
DZD07-SEL	C3	2,3,8,9,10,11,12,16	1,2,3,4,6,7,8,9,10,11,12,16,20,21,22,23,25,28,29	5,13,14,15,17,18,19,24,26,27	5,8,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62,65
DZD08-SEL	C2	2,3,8,9,10,11	1,2,3,4,6,8,16,20,21,28	5,7,9,10,11,12,13,14,15,17,18,19,22,23,24,25,26,27,29	5,8,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62
DZD09-SEL	AP1	2,3,8,9,10,16,25	1,2,3,4,6,7,8,9,10,12,16,18,20,21,22,23,25,26,28,29	5,11,13,14,15,17,19,24,27	6,8,10,11,13,25,27,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62,65
DZD10-SEL	URB				NO COMPETE A ESTE ORDENAMIENTO
DZD11-SEL	AP2	2,3,8,9,16,26	1,2,3,4,6,7,8,9,10,11,12,16,17,18,19,20,21,22,23,24,25,26,28,29	5,13,14,15,27	7,10,11,13,25,28,29,35,39,40,41,43,45,46,52,54,55,57,58,60,62,65



DZILAM DE BRAVO					
CLAVE	POLITICA	USOS ACTUALES	USOS COMPATIBLE	USOS NO COMPATIBLES	CRITERIOS DE REGULACIÓN PROYECTO
DZI01-BAR	C3	1,2,13	1,2,3,4,9,20,21,22,23,25	5,6,7,8,10,11,12,13,14,15,16,17,18,19,24,26,27,28,29	2,5,10,11,12,19,20,21,22,23,24,25,30,31,32,33,34,35,37,39,41,57,58,59,61,63,64
DZI02-BAR	URB				NO COMPETE A ESTE ORDENAMIENTO
DZI03-BAR	PORT				NO COMPETE A ESTE ORDENAMIENTO
DZI04-BAR	ANP				REMITIRSE AL PROGRAMA DE MANEJO
DZI05-LAG	ANP				REMITIRSE AL PROGRAMA DE MANEJO
DZI06-MAN	ANP				REMITIRSE AL PROGRAMA DE MANEJO
DZI07_MAN	ANP				REMITIRSE AL PROGRAMA DE MANEJO
DZI08-SAB	ANP				REMITIRSE AL PROGRAMA DE MANEJO
DZI09-SAB	ANP				REMITIRSE AL PROGRAMA DE MANEJO
DZI10-SAB	C2-R	2,4,11	1,2,3,4,8,20,21,28	6,7,9,10,11,12,16,17,18,19,22,23,24,25,26,29	4,13,17,27,35,36,39,40,41,43,45,52,54,55,58,61,64
DZI11-SEL	C3	2,3,8,11,16,25	1,2,3,4,6,7,8,11,16,20,21,22,23,25,28,29	5,9,10,12,13,14,15,17,18,19,24,26,27	5,8,10,11,13,25,28,29,35,39,40,41,45,46,52,55,57,58,61,62,65
DZI12-SEL	ANP				REMITIRSE AL PROGRAMA DE MANEJO
DZI13-SEL	C3	2,3,8,11,25	1,2,3,4,6,7,8,11,16,20,21,25,28,29	5,9,10,12,13,14,15,17,18,19,22,23,24,26,27	5,8,10,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62,65
DZI14-SEL	AP1	2,3,8,11	1,2,3,4,6,7,8,9,10,11,12,16,18,20,21,22,23,25,26,28,29	5,13,14,15,17,19,24,27	6,8,10,11,13,25,27,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62,65
DZI15-SEL	C3	2,3,8,11,25	1,2,3,4,6,7,8,11,16,20,21,22,23,25,28,29	5,9,10,12,13,14,15,17,18,19,24,26,27	5,8,10,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62,65
DZI16-SEL	AP1	2,3,8,9,10,11	1,2,3,4,6,7,8,9,10,11,12,16,18,20,21,22,23,25,26,28,29	5,13,14,15,17,19,24,27	6,8,10,11,13,25,27,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62,65

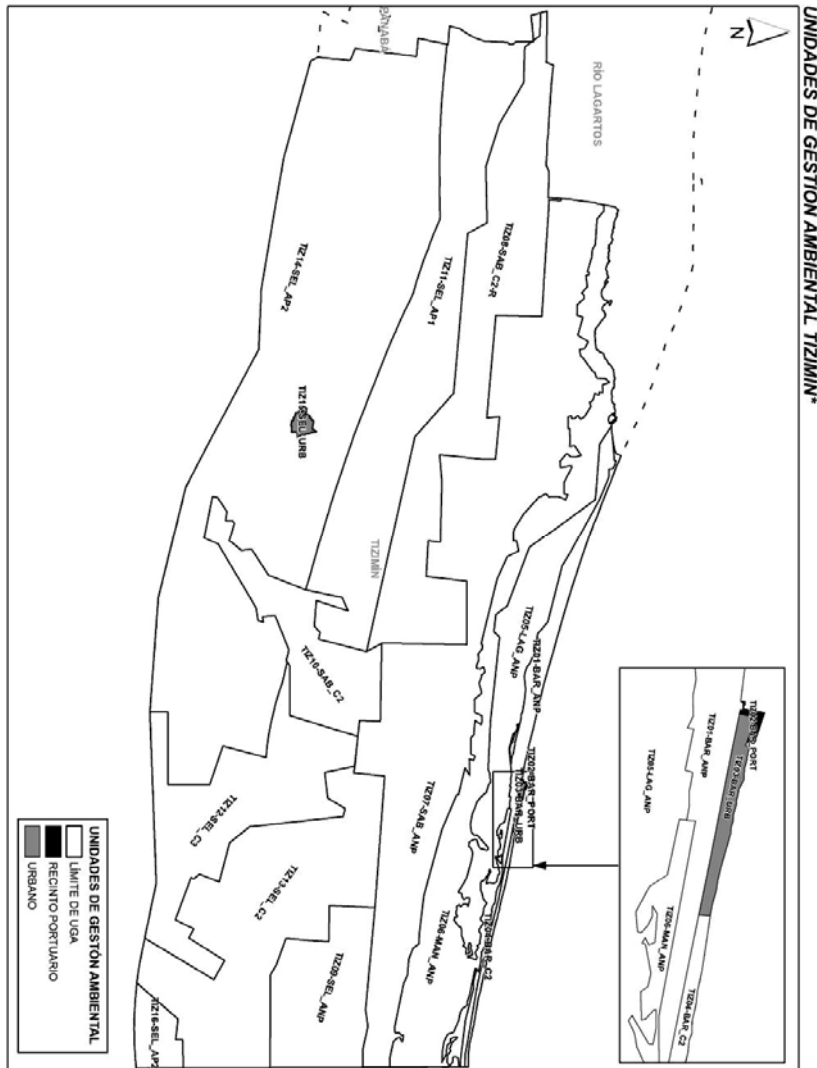




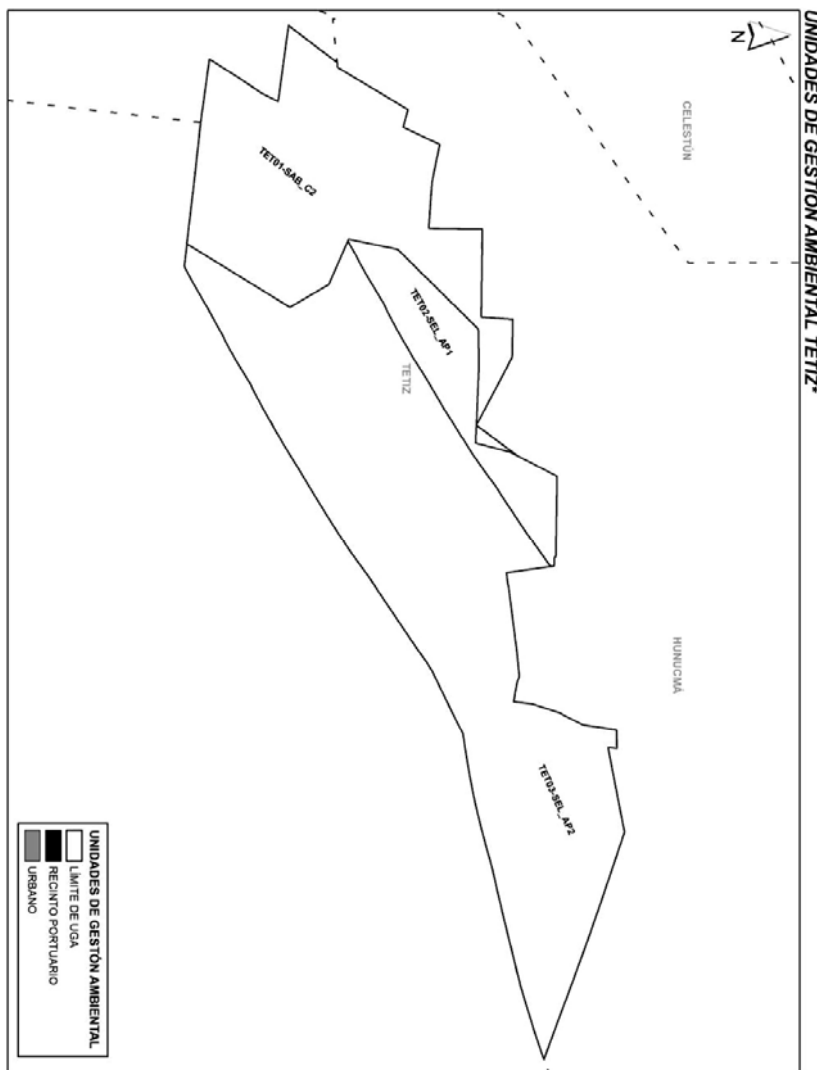
SAN FELIPE					
CLAVE	POLITICA	USOS ACTUALES	USOS COMPATIBLE	USOS NO COMPATIBLES	CRITERIOS DE REGULACIÓN
SFE01-LAG	PORT				NO COMPETE A ESTE ORDENAMIENTO
SFE02-BAR	C2-R	1,2	1,2,3,4,20,27	5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,21,22,23,24,25,26,28,29	2,9,12,14,15,32,33,34,59,61,63,64
SFE03-LAG	ANP				REMITIRESE AL PROGRAMA DE MANEJO
SFE04-BAR	ANP				REMITIRESE AL PROGRAMA DE MANEJO
SFE05-MAN	ANP				REMITIRESE AL PROGRAMA DE MANEJO
SFE06-MAN	ANP				REMITIRESE AL PROGRAMA DE MANEJO
SFE07-MAN	ANP				REMITIRESE AL PROGRAMA DE MANEJO
SFE08-SAB	ANP				REMITIRESE AL PROGRAMA DE MANEJO
SFE09-SAB	ANP				REMITIRESE AL PROGRAMA DE MANEJO
SFE10-SAB	C2-R	2,4,11,16	1,2,3,4,8,16,20,21,28	5,6,7,9,10,11,12,13,14,15,17,18,19,22,23,24,25,26,27,29	4,13,17,27,35,36,39,40,41,43,45,46,52,54,55,58,61,64
SFE11-SEL	C3	2,3,8,11,25	1,2,3,4,6,7,8,11,16,20,21,22,23,25,28,29	5,9,10,12,13,14,15,17,18,19,24,26,27	5,8,10,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62,65
SFE12-SEL	AP1	2,3,8,11,25	1,2,3,4,6,7,8,9,10,11,12,16,18,20,21,22,23,25,26,28,29	5,13,14,15,17,19,24,27	6,8,10,11,13,25,27,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62,65
SFE13-SEL	AP2	2,3,8,9,11,16,25	1,2,3,4,6,7,8,9,10,11,12,16,17,18,19,20,21,22,23,24,25,26,28,29	5,13,14,15,27	7,10,11,13,25,28,29,35,39,40,41,43,45,46,52,54,55,57,58,60,62,65

Mapa de unidades de gestión ambiental Río Lagartos...

RIO LAGARTOS					
CLAVE	POLITICA	USOS ACTUALES	USOS COMPATIBLE	USOS NO COMPATIBLES	CRITERIOS DE REGULACIÓN PROYECTO
RLA01-BAR	ANP				REMITIRESE AL PROGRAMA DE MANEJO
RLA02-BAR	C2	1,2,20	1,2,3,4,20	5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,21,22,23,24,25,26,27,28,29	2,9,12,15,32,33,34,37,38,39,59,61,63,64
RLA03-BAR	PORT				NO COMPETE A ESTE ORDENAMIENTO
RLA04-BAR	PORT				NO COMPETE A ESTE ORDENAMIENTO
RLA05-MAN	ANP				REMITIRESE AL PROGRAMA DE MANEJO
RLA06-LAG	ANP				REMITIRESE AL PROGRAMA DE MANEJO
RLA07-SAB	ANP				REMITIRESE AL PROGRAMA DE MANEJO
RLA08-SAB	C2-R	1,2,4,11,20,25	1,2,3,4,8,20,28	5,6,7,9,10,11,12,13,14,15,16,17,18,19,21,22,23,24,25,26,27,29	4,10,13,14,15,16,27,35,36,39,40,41,43,54,55,58,61,64
RLA09-SEL	C3	2,3,8,11	1,2,3,4,6,7,8,11,16,20,21,25,28,29	5,9,10,12,13,14,15,17,18,19,22,23,24,26,27	5,8,10,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,60,61,62,65
RLA10-SEL	AP1	2,3,8,11,25	1,2,3,4,6,7,8,9,10,11,12,16,18,20,21,22,23,25,26,28,29	5,13,14,15,17,19,24,27	6,8,10,11,13,25,27,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62,65
RLA11-SEL	AP2	2,3,8,9,11,16,25	1,2,3,4,6,7,8,9,10,11,12,16,17,18,19,20,21,22,23,24,25,26,28,29	5,13,14,15,27	7,10,11,13,25,28,29,35,39,40,41,43,45,46,52,54,55,57,58,60,62,65



TIZIMÍN					
CLAVE	POLITICA	USOS ACTUALES	USOS COMPATIBLE	USOS NO COMPATIBLES	CRITERIOS DE REGULACIÓN PROYECTO
TIZ01-BAR	ANP				REMITIRESE AL PROGRAMA DE MANEJO
TIZ02-BAR	PORT				NO COMPETE A ESTE ORDENAMIENTO
TIZ03-BAR	URB				NO COMPETE A ESTE ORDENAMIENTO
TIZ04-BAR	C2	1,2,9	1,2,3,4,9,20	5,6,7,8,10,11,12,13,14,15,16,17,18,19,21,22,23,24,25,26,27,28,29	2,5,11,12,19,20,21,22,23,24,25,30,31,32,33,34,35,38,39,41,57,58,59,61,63,64
TIZ05_LAG	ANP				REMITIRESE AL PROGRAMA DE MANEJO
TIZ06-MAN	ANP				REMITIRESE AL PROGRAMA DE MANEJO
TIZ07-SAB	ANP				REMITIRESE AL PROGRAMA DE MANEJO
TIZ08-SAB	C2-R	2,8,11	1,2,3,4,8,16,20,21,28	5,6,7,9,10,11,12,13,14,15,17,18,19,22,23,24,25,26,27,29	4,13,17,27,35,36,39,40,41,43,45,46,52,54,55,58,61,64
TIZ09-SEL	ANP				REMITIRESE AL PROGRAMA DE MANEJO
TIZ10-SAB	C2	2,4,8,11,16	1,2,3,4,8,16,20,28	5,6,7,9,10,11,12,13,14,15,17,18,19,21,22,23,24,25,26,27,29	4,13,17,27,35,36,39,40,41,43,45,46,52,54,55,58,61,64
TIZ11-SEL	AP1	2,3,8,11,25	1,2,3,4,6,7,8,9,10,11,12,16,18,20,21,22,23,25,26,28,29	5,13,14,15,17,19,24,27	6,8,10,11,13,25,27,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62,65
TIZ12-SEL	C3	2,3,8	1,2,3,4,6,7,8,20,21,28	5,9,10,11,12,13,14,15,16,17,18,19,22,23,24,25,26,27,29	5,8,11,13,15,16,17,25,27,28,29,35,39,40,41,43,52,55,57,58,61,62
TIZ13-SEL	C2	2,3,8,11	1,2,3,4,6,8,20,21,28	5,7,9,10,11,12,13,14,15,16,17,18,19,22,23,24,25,26,27,29	3,5,8,11,13,25,28,29,35,39,40,41,45,52,55,57,58,61,62
TIZ14-SEL	AP2	2,3,8,9,11,25,28	1,2,3,4,6,7,8,9,10,11,12,16,17,18,19,20,21,22,23,24,25,26,28,29	5,13,14,15,27	7,10,11,13,25,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62,65
TIZ15-SEL	URB				NO COMPETE A ESTE ORDENAMIENTO
TIZ16-SEL	AP2	2,3,8,9,11,16,25	1,2,3,4,6,7,8,9,10,11,12,16,17,18,19,20,21,22,23,24,25,26,28,29	5,13,14,15,27	7,10,11,13,25,28,29,35,39,40,41,43,45,46,52,54,55,57,58,60,62,65



TETIZ					
CLAVE	POLITICA	USOS ACTUALES	USOS COMPATIBLE	USOS NO COMPATIBLES	CRITERIOS DE REGULACIÓN PROYECTO
TET01-SAB	C2	2,4,8,11	1,2,3,4,8,20,28	5,6,7,9,10,11,12,13,14,15,16,17,18,19,21,22,23,24,25,26,27,29	4,13,17,27,35,36,39,40,41,43,52,54,55,58,61,64
TET02-SEL	AP1	2,3,8	1,2,3,4,6,7,8,9,10,16,20,21,22,23,25,26,28	5,11,12,13,14,15,17,18,19,24,27,29	6,8,10,11,13,25,27,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62
TET03-SEL	AP2	2,3,8,28	1,2,3,4,6,7,8,9,10,11,12,16,17,18,19,20,21,22,23,24,25,26,28	5,13,14,15,27,29	7,8,10,11,13,25,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62

Mapa de unidades de gestión ambiental Ucú...

UCU					
CLAVE	POLITICA	USOS ACTUALES	USOS COMPATIBLE	USOS NO COMPATIBLES	CRITERIOS DE REGULACIÓN
UCU01-SAB	ANP				REMITIRSE AL PROGRAMA DE MANEJO
UCU02-SEL	C3	2,3,8,9	1,2,3,4,6,7,8,9,11,12,16,20,21,22,23,25,28	5,10,13,14,15,17,18,19,24,26,27,29	5,8,10,11,13,25,27,29,35,39,40,41,45,46,52,55,57,58,61,62
UCU03-SEL	AP1	2,3,8,16	1,2,3,4,6,7,8,9,10,16,18,20,21,22,23,25,26,28,29	5,10,11,12,13,14,15,17,19,24,27	6,10,11,13,25,27,28,29,35,39,40,41,43,44,45,46,52,55,57,58,60,62,65
UCU04-SEL	AP2	2,3,8,9,25	1,2,3,4,6,7,8,9,10,11,12,16,17,18,19,20,21,22,23,24,25,26,28,29	5,13,14,15,27	7,10,11,13,25,28,29,35,39,40,41,43,45,46,52,54,55,57,58,60,62,65

Mapa de unidades de gestión ambiental Mérida...

MÉRIDA					
CLAVE	POLITICA	USOS ACTUALES	USOS COMPATIBLE	USOS NO COMPATIBLES	CRITERIOS DE REGULACIÓN PROYECTO
MER01-SEL	AP1	1,2,3,8,9,12,17,19,25,28	1,2,3,4,6,7,8,9,10,12,16,18,20,21,22,23,25,26,28,29	5,11,13,14,15,17,19,24,27	6,10,11,13,25,27,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62,65
MER02-MIX	CONF	1,17,19	1,4,6,7,9,10,17,19,20,28,29	2,3,5,8,11,12,13,14,15,16,18,21,22,23,24,25,26,27	6,11,16,17,25,27,29,35,39,40,41,46,52,55,57,58,61,65
MER03-SEL	AP1	1,2,3,8,9,12,17,19,25,28	1,2,3,4,6,7,8,9,10,12,16,18,20,21,22,23,25,26,28,29	5,11,13,14,15,17,19,24,27	6,10,11,13,25,27,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62,65
MER04-SEL	AP2	2,3,8,9,10,12,16,17,18,19,23,24,25,28	1,2,3,4,6,7,8,9,10,11,12,16,17,18,19,20,21,22,23,24,25,26,28,29	5,13,14,15,27	7,10,11,13,25,28,29,35,39,40,41,43,45,46,52,54,55,57,58,60,62,65
MER05-SEL	URB				NO COMPETE A ESTE ORDENAMIENTO
MER06-SEL	URB				NO COMPETE A ESTE ORDENAMIENTO

Mapa de unidades de gestión ambiental Chicxulub Pueblo...

CHICXULUB PUEBLO					
CLAVE	POLITICA	USOS ACTUALES	USOS COMPATIBLE	USOS NO COMPATIBLES	CRITERIOS DE REGULACIÓN PROYECTO
CHI01-SEL	AP1	2,3,8,12,16	1,2,3,4,6,7,8,9,10,12,16,18,20,21,22,23,25,26,28,29	5,11,13,14,15,17,19,24,27	6,8,10,11,13,25,27,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62,65
CHI02-SEL	AP2	2,3,8,9,10,12,16,18,25,26	1,2,3,4,6,7,8,9,10,11,12,16,17,18,19,20,21,22,23,24,25,26,28,29	5,13,14,15,27	7,10,11,13,25,28,29,35,39,40,41,43,45,46,52,54,55,57,58,60,62,65
CHI03-SEL	URB				NO COMPETE A ESTE ORDENAMIENTO

Mapa de unidades de gestión ambiental Mocochá...

MOCOCHÁ					
CLAVE	POLITICA	USOS ACTUALES	USOS COMPATIBLE	USOS NO COMPATIBLES	CRITERIOS DE REGULACIÓN PROYECTO
MOC01-SEL	AP1	2,3,8,9,10	1,2,3,4,6,7,8,9,10,12,16,18,20,21,22,23,25,26,28,29	5,13,14,15,17,19,24,27	6,8,10,11,13,25,27,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62,65
MOC02-SEL	AP2	2,3,8,9,10,12,16,18,25,26	1,2,3,4,6,7,8,9,10,11,12,16,17,18,19,20,21,22,23,24,25,26,28,29	5,13,14,15,27	7,10,11,13,25,28,29,35,39,40,41,43,45,46,52,54,55,57,58,60,62,65

Mapa de unidades de gestión ambiental Baca...



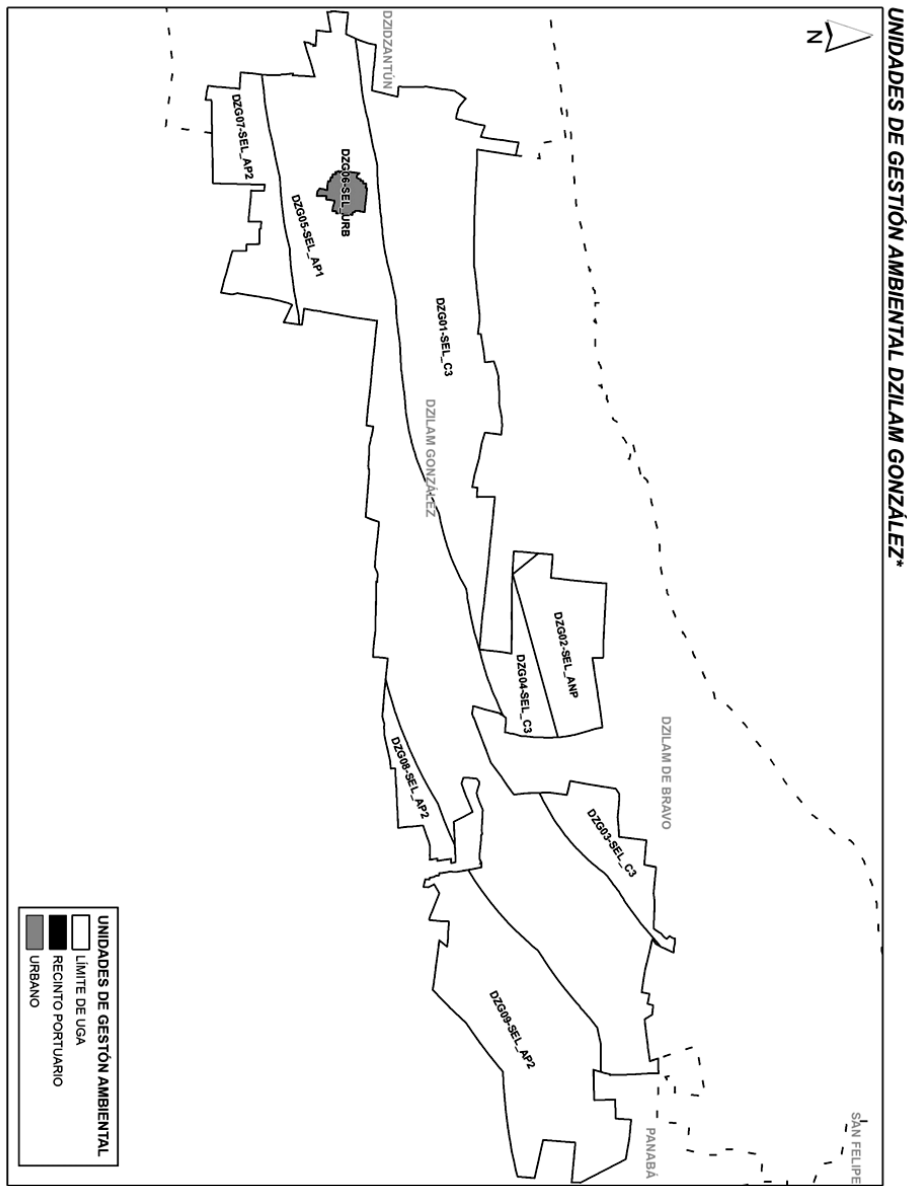
BACA					
CLAVE	POLITICA	USOS ACTUALES	USOS COMPATIBLE	USOS NO COMPATIBLES	CRITERIOS DE REGULACIÓN PROYECTO
BAC01-SEL	AP1	2,3,8,9,10	1,2,3,4,6,7,8,9,10, 12,16,18,20,21,22, 23,25,26,28,29	5,11,13,14,15,17,19,2 4,27	6,8,10,11,13,25,27,28,29,35,39,40,41,43 ,45,46,52,55,57,58,60,62,65
BAC02-SEL	AP2	2,3,8,9,10	1,2,3,4,6,7,8,9,10, 11,12,16,17,18,19, 20,21,22,23,24,25, 26,28,29	5,13,14,15,27	7,10,11,13,25,28,29,35,39,40,41,43,45,4 6,52,54,55,57,58,60,62,65

Mapa de unidades de gestión ambiental Motul...

MOTUL					
CLAVE	POLITICA	USOS ACTUALES	USOS COMPATIBLE	USOS NO COMPATIBLES	CRITERIOS DE REGULACIÓN PROYECTO
MOT01-MAN	ANP				REMITIRSE AL PROGRAMA DE MANEJO
MOT02-SAB	ANP				REMITIRSE AL PROGRAMA DE MANEJO
MOT03-SEL	C3	2,3,8	1,2,3,4,6,7,8,9,11, 12,16,20,21,22,23, 25,28,29	5,10,13,14,15,17,18,1 9,24,26,27	5,8,10,11,13,25,27,28,29,35,39,40,41,45 ,46,52,55,57,58,61,62,65
MOT04-SEL	AP1	2,3,8,9,10,25	1,2,3,4,6,7,8,9,10, 12,16,18,20,21,22, 23,25,26,28,29	5,11,13,14,15,17,19,2 4,27	6,8,10,11,13,25,27,28,29,35,39,40,41,43 ,45,46,52,55,57,58,60,62,65
MOT05-SEL	AP2	2,3,8,9,10,12 ,25	1,2,3,4,6,7,8,9,10, 11,12,16,17,18,19, 20,21,22,23,24,25, 26,28,29	5,13,14,15,27	7,10,11,13,25,28,29,35,39,40,41,43,45,4 6,52,54,55,57,58,60,62,65

Mapa de unidades de gestión ambiental Telchac Pueblo...

TELCHAC PUEBLO					
CLAVE	POLITICA	USOS ACTUALES	USOS COMPATIBLE	USOS NO COMPATIBLES	CRITERIOS DE REGULACIÓN PROYECTO
TPB01-SEL	C3	2,3,8,9,10,11	1,2,3,4,6,7,8,9,11, 12,16,20,21,22,23, 25,28,29	5,10,13,14,15,17,18,1 9,24,26,27	5,8,11,13,25,27,28,29,35,39,40,41,45,46 ,52,55,57,58,61,62,65
TPB02-SEL	AP1	2,3,8,9,10,16 ,25	1,2,3,4,6,7,8,9,10, 12,16,18,20,21,22, 23,25,26,28,29	5,11,13,14,15,17,19,2 4,27	6,8,10,11,13,25,27,28,29,35,39,40,41,43 ,45,46,52,55,57,58,60,62,65
TPB03-SEL	URB				NO COMPETE A ESTE ORDENAMIENTO
TPB04-SEL	AP2	2,3,8,9,10,12 ,16,25,28	1,2,3,4,6,7,8,9,10, 11,12,16,17,18,19, 20,21,22,23,24,25, 26,28,29	5,13,14,15,27	7,10,11,13,25,28,29,35,39,40,41,43,45,4 6,52,54,55,57,58,60,62,65



DZILAM GONZÁLEZ					
CLAVE	POLITICA	USOS ACTUALES	USOS COMPATIBLE	USOS NO COMPATIBLES	CRITERIOS DE REGULACIÓN PROYECTO
DZG01-SEL	C3	2,3,8,11,16,25	1,2,3,4,6,7,8,11,16,20,21,25,28,29	5,9,10,12,13,14,15,17,18,19,22,23,24,26,27	5,8,10,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62,65
DZG02-SEL	ANP				REMITIRSE AL PROGRAMA DE MANEJO
DZG03-SEL	C3	2,3,8,11,25	1,2,3,4,6,7,8,11,16,20,21,25,28,29	5,9,10,12,13,14,15,17,18,19,22,23,24,26,27	5,8,10,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62,65
DZG04-SEL	C3	2,3,8,11,25	1,2,3,4,6,7,8,11,16,20,21,25,28,29	5,9,10,12,13,14,15,17,18,19,22,23,24,26,27	5,8,10,11,13,25,27,28,29,35,39,40,41,45,46,52,55,57,58,61,62,65
DZG05-SEL	AP1	2,3,8,9,10,11,16,25,26	1,2,3,4,6,7,8,9,10,11,12,16,18,20,21,22,23,25,26,28,29	5,13,14,15,17,19,24,27	6,8,10,11,13,25,27,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62,65
DZG06-SEL	URB				NO COMPETE A ESTE ORDENAMIENTO
DZG07-SEL	AP2	2,3,8,9,11,16	1,2,3,4,6,7,8,9,10,11,12,16,17,18,19,20,21,22,23,24,25,26,28,29	5,13,14,15,27	7,10,11,13,25,28,29,35,39,40,41,43,45,46,52,54,55,57,58,60,62,65
DZG08-SEL	AP2	2,3,8,9,11	1,2,3,4,6,7,8,9,10,11,12,16,17,18,19,20,21,22,23,24,25,26,28,29	5,13,14,15,27	7,10,11,13,25,28,29,35,39,40,41,43,45,46,52,54,55,57,58,60,62,65
DZG09-SEL	AP2	2,3,8,9,11,16	1,2,3,4,6,7,8,9,10,11,12,16,17,18,19,20,21,22,23,24,25,26,28,29	5,13,14,15,27	7,10,11,13,25,28,29,35,39,40,41,43,45,46,52,54,55,57,58,60,62,65

Mapa de unidades de gestión ambiental de Panabá...

PANABÁ					
CLAVE	POLITICA	USOS ACTUALES	USOS COMPATIBLE	USOS NO COMPATIBLES	CRITERIOS DE REGULACIÓN PROYECTO
PAN01-SAB	ANP				REMITIRSE AL PROGRAMA DE MANEJO
PAN02-SAB	C2	2,4,11	1,2,3,4,8,16,20,21,28	5,6,7,9,10,11,12,13,14,15,17,18,19,22,23,24,25,26,27,29	4,13,17,27,35,36,39,40,41,43,45,52,54,55,58,61,64
PAN03-SEL	AP1	2,3,8,11,25	1,2,3,4,6,7,8,9,10,11,12,16,18,20,21,22,23,25,26,28,29	5,13,14,15,17,19,24,27	6,8,10,11,13,25,27,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62,65
PAN04-SEL	AP1	2,3,8,11	1,2,3,4,6,7,8,9,10,11,12,16,18,20,21,22,23,25,26,28,29	5,13,14,15,17,19,24,27	6,8,10,11,13,25,27,28,29,35,39,40,41,43,45,46,52,55,57,58,60,62,65
PAN05-SEL	AP2	2,3,8,9,11,16,25	1,2,3,4,6,7,8,9,10,11,12,16,17,18,19,20,21,22,23,24,25,26,28,29	5,13,14,15,19,24,27	7,10,11,13,25,28,29,35,39,40,41,43,45,46,52,54,55,57,58,60,62,65

## Artículo 22. Permanencia y actualización

El programa de ordenamiento ecológico es permanente, en términos de lo dispuesto en el artículo 10 del Reglamento de la Ley de Protección al Medio Ambiente del Estado de Yucatán y, por lo tanto, deberá actualizarse, al menos, cada cuatro años.

## **Anexo I. Metodología para el cálculo de la capacidad de carga**

### **Capacidad de carga**

#### Antecedentes

La utilización del análisis de capacidad de carga (ACC) y el establecimiento de los límites aceptables de cambio (LAC) no son métodos que tengan como objetivo principal el manejo ecológico, sino un manejo más efectivo de los impactos de las actividades humanas en el medio ambiente (Cifuentes, 1992; Ceballos-Lascurain, 1996).

La zona costera del Estado de Yucatán es un territorio con valiosos paisajes naturales, pero con un delicado equilibrio ecológico. En este territorio se desarrollan diversas actividades humanas, representando muchas de éstas un riesgo para la sustentabilidad del mismo. La actividad inmobiliaria turística, y en particular la apertura de nuevos fraccionamientos, es una de estas actividades, y en la actualidad está experimentando un gran impulso, por lo cual debe enmarcarse dentro de un enfoque sustentable.

La presente propuesta tiene como objeto disminuir la vulnerabilidad de la infraestructura habitacional costera ante incrementos acelerados del nivel medio del mar y la incidencia de huracanes y como consecuencia del cambio climático. Significa también una propuesta ante el desarrollo turístico y urbano en el marco de las discusiones que el Decreto 801, sobre el Programa de Ordenamiento Ecológico de la Zona Costera de Yucatán, ha suscitado entre la población. Dicho análisis se desarrolla desde la perspectiva del urbanismo, que estudia los asentamientos humanos desde sus aspectos físico-ambientales hasta los socioeconómicos.

La concepción de vulnerabilidad urbana a amenazas naturales de incrementos acelerados del nivel medio del mar y de huracanes, depende de aspectos de inequidad social y pobreza de la población; degradación ambiental (remoción de cubierta vegetal de la duna); expansión demográfica; características físico-ambientales del asentamiento; mal uso del suelo y planeación urbana (actividades humanas), pero también de la tecnología utilizada por la comunidad (sistemas constructivos).

A partir de una serie de estudios que muestran las relaciones y el papel que juegan aspectos como la ubicación en la duna, la cubierta vegetal y la estructura y funcionamiento urbano en la vulnerabilidad de localidades costeras ante incrementos acelerados del nivel medio del mar, se logró elaborar mapas de vulnerabilidad urbana a estos fenómenos en la costa, así como una serie de recomendaciones generales de reestructuración urbana, los cuales se utilizaron en conjunto para elaborar la presente propuesta.

## **Introducción**

El 22 de septiembre de 2002, el huracán Isidoro pasó por territorio yucateco afectando a un importante número de localidades de la costa norte, así como localidades del interior, incluyendo Mérida, la capital. Este huracán alcanzó vientos de más de 240 km/hr, e hizo que el mar se elevara más de tres metros. Según cálculos del gobierno estatal yucateco, Isidoro dañó en algún grado 71,002 viviendas en el Estado, lo que representó el 44.43% del total de esta zona. En Mérida afectó 10,000 viviendas, que representan el 5.83% del total.

Otros efectos negativos e inconveniencias ocasionados en las zonas urbanas yucatecas por Isidoro fueron: inundaciones, derribo de árboles y estructuras e interrupción de los servicios públicos. Algunos de estos problemas se prolongaron por semanas e incluso meses, ocasionando con ello grandes costos económicos y sociales para la población. Los impactos de Isidoro tuvieron particular intensidad en las zonas costeras afectadas debido a que no cuentan con protecciones naturales.

Según Pliego (1994, citado en Rodríguez 1998) “en las ciudades, la vulnerabilidad de los soportes físicos (inmuebles, predios, territorios, equipamiento e infraestructura) ligados en mayor o menor grado a la creación de condiciones de seguridad en el territorio, está condicionada por factores socioeconómicos y políticos.” De aquí se desprende la siguiente observación: “la problemática social de los riesgos y la pauperización representan los elementos centrales para comprender el carácter de la vulnerabilidad en sus múltiples componentes” (Preciado, Rodríguez y Garza, 1997; Eibenschutz y Puente, s.f. citados en Rodríguez 1998). También importantes son los aspectos físico-técnicos de la zonificación y delimitación del uso del suelo, así como la estructura urbana tanto física como socioeconómica.

Por otro lado, la visión oficial de “Protección Civil” establece que los desastres son el resultado de la relación causal entre tres agentes: los afectables, los perturbadores y los reguladores. En su discusión, Rodríguez (1998) plantea breve y metodológicamente el papel de cada uno de los agentes de la siguiente manera: Se mapea la descripción aislada de los perturbadores dando una cuenta lo más clara posible de los afectables y los reguladores. Una crítica y recomendación hecha por dicho autor es que al definir las zonas de riesgo en cualquier estudio, se debe distinguir las diferencias poblacionales, espaciales y de magnitud del peligro en términos de efectos humanos, materiales y económicos.

El impacto de un huracán varía de acuerdo con las características del mismo (intensidad, duración, tamaño y recorrido) y al contexto ambiental, incluyendo topografía, vegetación, uso del suelo, calidad de las construcciones, aspectos socioeconómicos de la población, efectividad de los avisos de alarma y experiencia en eventos previos (Walsh, 1999).

El propósito de este trabajo es desarrollar una propuesta metodológica que permita calcular de forma sencilla la capacidad de carga habitacional en la zona costera del estado de Yucatán.

Esta metodología hace el cálculo de la capacidad de carga en tres niveles: Primero, la física; luego la real, y finalmente la efectiva. Cada nivel constituye la capacidad correctiva del nivel previo.

La metodología incorpora aspectos físico-ambientales fundamentales que influyen en la sustentabilidad de la zona, así como aspectos claves para el manejo del desarrollo urbano en el territorio (O. Kyushik, J. Yeunwoo *et al*, 2004). A continuación se explica de manera sucinta la metodología.

### **Cálculo de la capacidad de carga en la barra arenosa de la zona costera del Estado de Yucatán**

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**Propuesta de adaptación para disminuir la vulnerabilidad de la barra arenosa de la zona costera ante incrementos acelerados del nivel medio del mar, relacionado al desarrollo de infraestructura inmobiliaria**

**Secretaría de Desarrollo Urbano y Medio Ambiente  
Gobierno del Estado de Yucatán**

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***Principios relacionados con el uso de los recursos y espacios costeros***



Procurar que las actividades humanas sean ambientalmente amigables, socialmente responsables y económicamente sólidas, reconociendo la capacidad de carga del ambiente, y la aplicación de soluciones tecnológicas cuando se requiera.

### **Metodología**

Si bien es posible afirmar que es viable desarrollar infraestructura en la totalidad de la barra arenosa, es decir, ocuparlo al 100 % donde se incluya lotes de vivienda, banquetas, calles y avenidas, además de infraestructura de soporte y servicios, en este apartado utilizaremos la unidad de medida de lote con dimensiones mínimas de 10 m por 30 m, dando una superficie de 300 m<sup>2</sup>.

### **Paso 1. Cálculo de la Capacidad de Carga Habitacional Física (CCF)**

Definición: Es el número máximo de lotes de 300 m<sup>2</sup> c/u que pueden obtenerse por la subdivisión de una propiedad.

Fórmula:  $CCF = A / Au$

Donde:

A= Área en m<sup>2</sup> de la propiedad en cuestión

Au= Área mínima requerida por usuario. Este es un dato fijo de 300 m<sup>2</sup>.

Así, en el caso de que el valor de A sea una hectárea, se tiene:

$$CCF = 10,000 \text{ m}^2 / 300 \text{ m}^2 \text{ por lote}$$

$$CCF = 33.33 \text{ lotes por hectárea}$$

### **Paso 2. Cálculo de la Capacidad de Carga Habitacional Real (CCR)**

Definición: Número máximo permisible de lotes una vez que los factores correctivos derivados de las características particulares del sitio han sido aplicados a la CCF.

Con base en los anteriores planteamientos, la capacidad de carga real en la barra arenosa se analizará a través del cálculo de la superficie máxima de aprovechamiento para el desarrollo:

## Cálculo de la superficie máxima de aprovechamiento para el desarrollo

### A.- Factor estructural de la barra arenosa

#### a.1.- Ancho de la barra arenosa

La barra arenosa sobre la que se asienta la infraestructura inmobiliaria tiene anchos variables, de acuerdo a la experiencia obtenida se presenta una tabla que muestra los valores de probabilidad de no afectación o ruptura de la barra arenosa ante incrementos acelerados del nivel del mar por efectos de desastres naturales como huracanes.

De esta manera se asignan los siguientes valores de probabilidad de no afectación según el ancho de la barra arenosa:

Ancho de barra arenosa	Valor
Menor o igual a 60 m	0.00
Entre 60 y 100 m	0.25
Entre 100 y 200m	0.50
Entre 200 y 250m	0.75
Mayor a 250m	0.90

#### a.2. Topografía

Los niveles topográficos de la duna costera representan un factor estructural importante para minimizar el efecto de eventos catastróficos. Mientras más alta sea la duna, más será la probabilidad de no afectación a la infraestructura instalada.

La altura de ola significativa máxima mensual es de 1.02m con un período significativo de 12 seg. En temporada de nortes el oleaje local presenta valores de 1.84m mientras que el distante se incrementa a 3.06 m con un periodo de 8 seg. La altura de ola ciclónica se eleva a 4.27 m con un periodo de 13 seg. La temporada de máxima altura de olas, se prolonga de otoño a invierno. En estas épocas, la velocidad del viento, corrientes oceánicas y altura de las olas son las mayores registradas.

De esta manera se asignan los siguientes valores de probabilidad de no afectación según la altura topográfica de la barra arenosa:

msnm= metros sobre el nivel del mar

Altura de la barra arenosa msnm	Valor
Mayor o igual a 3.00	1.00
Entre 3.00 y 2.50	0.90
Entre 2.50 y 2.00	0.75
Entre 2.00 y 1.50	0.50
Entre 1.50 y 1.00	0.25
Menor de 1.00	0.10

### a.3.- Vegetación

La vegetación de la barra arenosa juega un papel importante en la dinámica y conservación del sistema de playa. Los datos muestran que existe una importante dominancia de vegetación de duna costera en el litoral de playa de 241 km. Resalta la ausencia de este tipo de vegetación en los asentamientos urbanos de todos los puertos y en los asentamientos de desarrollos veraniegos estimado en un total de 54 km.

En las zonas que presentan menor porcentaje de vegetación son también las que presentan las mayores densidades de construcción. Estas zonas experimentan los mayores índices de destrucción de infraestructura en la localidad.

De esta manera se asignan los siguientes valores de probabilidad de no afectación según la cobertura de vegetación presente en la barra arenosa:

Cobertura de vegetación %	Valor
Mayor de 50	0.75
Entre 50 y 25	0.50
Menor de 25	0.25

## B.- Factor morfodinámico

### b.1.- Ancho de playa



Fuente Poetcy, 2007

Este cálculo solo se realizará para aquellos desarrollos inmobiliarios o viviendas unifamiliares, que cuenten con frente de playa. La línea que representa el litoral arenoso está señalizada con tres anchos de playa medidos desde la construcción más cercana o desde la primera duna costera. Los datos muestran en la categoría de menos de 10m cerca de 58 km para un 20% del total, mostrando un claro proceso de pérdida de playas por la erosión. Con anchos entre los 10 y 20 m una longitud de 81 km que representa un 27% con ambas categorías, un total de cerca del 50% de playas prácticamente invadiendo o en los límites de la zona federal. El restante 50% con anchos mayores a los 20 m y longitud de 154 km. Una playa ancha y asociados con bajos en el litoral incrementa la probabilidad de no afectación a infraestructuras físicas sobre la barra costera.

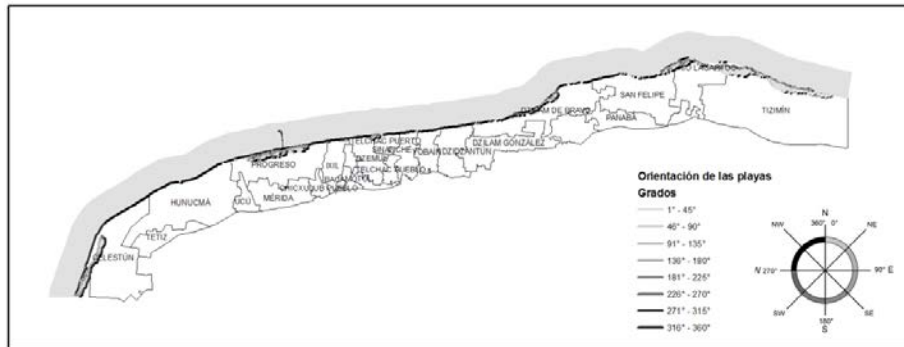
De esta manera se asignan los siguientes valores de probabilidad de no afectación según el ancho de playa:

Ancho de playa	Valor
Mayor de 20 m	0.75
Entre 20 y 10 m	0.50
Menor de 10 m	0.25

### b.2.- Orientación del litoral

Este cálculo solo se realizará para aquellos desarrollos inmobiliarios o viviendas unifamiliares, que cuenten con frente de playa. La orientación del litoral está relacionado con el patrón de oleaje, el viento y con la tendencia general de la línea de costa. Esta interacción mutua de la línea de costa con el viento y el oleaje determinan la morfología de la línea y del perfil de la costa.

Para los análisis de planta, estos datos de orientación cobran importancia en la determinación de la vulnerabilidad o susceptibilidad al proceso erosivo de la costa por el ángulo que resulta entre la línea de costa y la dirección de incidencia del oleaje dominante en la región. Considerando que el oleaje dominante en la región proviene del nor-noreste, la orientación del litoral (medido en relación al Norte) con valores alrededor de  $337.5^\circ$  tendría el mayor transporte a lo largo de la costa en dirección oeste. Dominan las orientaciones de  $1^\circ - 45^\circ$  y  $316^\circ - 360^\circ$ .



Fuente: Poetcy, 2007

De esta manera se asignan los siguientes valores de probabilidad de no afectación a la infraestructura física según la orientación del litoral:

Orientación del litoral	Valor
Menor de 220 grados	0.75
Entre 220 a 315 grados	0.50
Entre 316 y 360 grados	0.25

#### Cálculo de la superficie máxima de aprovechamiento para el desarrollo (SMAD)

Formula:

$$A = (a.1 + a.2 + a.3) / 3$$

$$B = (b.1 + b.2) / 2$$

$$SMAD = (A * B)$$

Para el cálculo de la capacidad de carga real (CCR), se multiplica el valor obtenido en SMAD por la superficie original del predio en hectáreas o metros cuadrados.

CCR= SMAD \* Superficie original del predio en hectáreas o en metros cuadrados

En el caso de desarrollos inmobiliarios de tipo fraccionamiento costero, a este valor se debe considerar las restricciones de las áreas para vialidades o circulaciones y áreas de destino o áreas comunes, según sea el caso, así como a los alineamientos descritos en la Ley de Desarrollos Inmobiliarios del Estado de Yucatán, la Ley de Asentamientos Humanos del Estado de Yucatán y los reglamentos de construcción de los municipios, en su caso, la superficie restante será el área destinada como lotes para viviendas, comercio o servicios (donde la ocupación del lote, resultante de la proyección de superficie construida sobre el terreno, deberá apegarse a lo establecido en el reglamento de construcciones del municipio donde se ubique y en caso de no determinarlo por alguna normatividad municipal este no debe ser mayor del 70% del total del mismo). En el caso de que el desarrollo inmobiliario no se trate de un fraccionamiento de tipo costero sino de un proyecto turístico hotelero y de villas, o se trate de una vivienda unifamiliar su diseño se deberá ajustar a esta superficie máxima de aprovechamiento disponible. La diferencia entre la superficie de terreno original y la superficie máxima de aprovechamiento (SMAD) será considerada área de conservación y no podrá desarrollarse, manteniendo las condiciones estructurales y morfodinámicas originales.

En el caso de los predios que no cuentan con frente de playa pero que se encuentran en la barra arenosa la capacidad de carga (SMAD), será calculada con la siguiente fórmula:

$$A = (a.1 + a.2 + a.3) / 3$$

#### **Ejemplos de aplicación en algunas UGA del programa de Ordenamiento Ecológico del Territorio Regional Costero del Estado de Yucatán**

UGA	Sup. Ha	a1	a2	a3	A	b1	b2	B	SMAD	CCR Ha
PRO05BAR	219.0 <sup>1</sup>	.90	.25	.75	.63	.25	.25	.25	0.157	34.5
		.90	.25	.75	.63				0.63	137.9
IXI01BAR	85.7 <sup>2</sup>	.90	.25	.75	.63	.50	.25	.37	0.233	19.9
SIN01BAR	119.0	.90	.75	.75	.80	.25	.25	.25	0.20	23.8
DZD03BAR	60.3 <sup>3</sup>	.25	.25	.25	.25	.25	.25	.25	0.06	3.76

1= La UGA tiene 391.06 Ha de las cuales están urbanizadas 172 Ha, por lo que queda disponible 219.0 Ha.

2= La UGA tiene 112.75 Ha, de las cuales 27.06 Ha con construcción, por lo que queda disponible 85.7 Ha.

3= La UGA tiene 97.39 Ha, de las cuales 37.05 son charcas salineras, por lo que queda disponible 60.3 Ha.

El valor obtenido de CCR se entiende como la superficie máxima de aprovechamiento para el desarrollo, por ejemplo en el caso de PRO05BAR con valor de SMAD de 0.157, significa que se puede ocupar sólo una superficie total de 34.5 Ha de las 219.0 Ha que tiene la UGA. En el caso que el desarrollo o predio en cuestión no cuente con frente de playa el valor de la SMAD se eleva a 0.63, con una capacidad de carga real de 137.9 Ha. Vale recordar que a este valor se debe considerar las restricciones de las áreas para vialidades o circulaciones y áreas de destino o áreas comunes, según sea el caso, así como a los alineamientos descritos en la Ley de Desarrollos Inmobiliarios del Estado de Yucatán, la Ley de Asentamientos Humanos del Estado de Yucatán y los Reglamentos municipales de construcción, la ocupación del lote (coeficiente de ocupación), resultante de la proyección de superficie construida sobre el terreno, no debe ser mayor del 70% del total del mismo.

### **Paso 3. Cálculo de la Capacidad de Carga Habitacional Efectiva (CCE)**

Definición: Número máximo permisible de lotes que un predio puede sostener con base en la capacidad de manejo del desarrollo habitacional y el tipo de paisaje natural existente.

Fórmula:  $CCE = CCR \times (CM)$

Dónde:

CM= Capacidad de manejo del desarrollo habitacional.

Se asume que:

- La CM se define como el promedio de la suma de las condiciones o factores que afectarán el desarrollo sustentable del fraccionamiento en proyecto.
- Los factores que integran la CM son: 1. la capacidad de abastecimiento de agua; 2. la capacidad de tratamiento de las aguas residuales; 3. la capacidad de gestión y manejo de residuos sólidos urbanos y de manejo especial, 4. la capacidad de conservación de la biodiversidad y 5 el tipo de construcción.

- La CM es un número, el cual es determinado por la siguiente fórmula:

$$CM= 1 + ((Caa + Car + Cgr + Ccb + Tc) / 5)$$

Dónde:

Caa= el valor asignado a la capacidad de abastecimiento de agua del desarrollo habitacional según la Tabla 1.

Car= el valor asignado a la capacidad de tratamiento de las aguas residuales del desarrollo habitacional según la Tabla 2.

Cgr= el valor asignado a la capacidad de gestión y manejo de residuos sólidos y de manejo especial del desarrollo habitacional según la Tabla 3

Ccb= el valor asignado a la capacidad de conservación de la biodiversidad del desarrollo habitacional según la Tabla 4.

Tc= el valor asignado al tipo de construcción tipo palafito según la tabla 5

Tabla 1. Valores para la capacidad de abastecimiento de agua del desarrollo habitacional.

Capacidad de abastecimiento de agua	Valor
Conectado a servicio municipal o sistema colectivo.	0.50

Tabla 2. Valores para la capacidad de tratamiento de las aguas residuales del desarrollo habitacional.

Capacidad de tratamiento de aguas residuales	Valor
Cuenta con un sistema colectivo o individual de tratamiento de aguas residuales que satisface los límites más abajo de los máximos permisibles de la NOM-ECOL-001.  Si se opta por sistema individual, deberán ser biodigestores acordes a la carga requerida y deberán presentar su programa de mantenimiento.	0.50

Tabla 3. Valores para la capacidad de de gestión y manejo de residuos sólidos urbanos y de manejo especial.



<b>Capacidad de manejo de residuos sólidos</b>	<b>Valor</b>
Cuenta con programa de manejo de residuos sólidos y de manejo especial.  Se deberá de presentar la autorización del Plan de Manejo de Residuos de Manejo Especial tramitado ante la Seduma.	0.50

Tabla 4. Valores según el tipo de paisaje natural donde se ubicará el desarrollo habitacional.

<b>Capacidad de conservación de la biodiversidad</b>	<b>Valor</b>
Tiene programa de manejo para mantener y mejorar la biodiversidad de flora validado por Semarnat.	0.50

Tabla 5. Tipo de construcción

<b>Tipo de construcción</b>	<b>Valor</b>
Construcciones tipo palafito.	0.50

Retomando los ejemplos anteriores, tenemos que:

En el caso de PRO05BAR con valor de CCR de 34.5 Ha, suponiendo que el desarrollo cumpla satisfactoriamente con todos los valores de Caa, Car, Cgr, Ccb y Tc, tendría un valor de  $CM= 1.5$ , lo que incrementaría la superficie de 34.5 Ha a 51.75 Ha.

En el segundo caso, donde se considera un total de 137.9 Ha y suponiendo que el desarrollo cumpla satisfactoriamente con todos los valores de Caa, Car, Cgr, Ccb y TC, tendría un valor de  $CM= 1.5$ , lo que incrementaría la superficie de ocupación a 206.85 Ha.

Vale recordar que a este valor se debe considerar las restricciones de las áreas para vialidades o circulaciones y áreas de destino o áreas comunes, según sea el caso, así como a los alineamientos descritos en la Ley de Desarrollos Inmobiliarios del Estado de Yucatán, la Ley de Asentamientos Humanos del Estado de Yucatán y los Reglamentos municipales de construcción, la ocupación del lote (coeficiente de ocupación), resultante de la proyección de superficie construida sobre el terreno, no debe ser mayor del 70% del total del mismo.

#### **4.- Conclusiones**

Este ejercicio que se presenta sobre la estimación de la capacidad de carga en la barra arenosa es una herramienta normativa para el aprovechamiento urbano – turístico de la barra arenosa y forma parte de los criterios de regulación ecológica del Programa de Ordenamiento Ecológico del Territorio Costero del Estado de Yucatán, sus reformas y adiciones.

Debe considerarse que el límite de desarrollo no constituye un fin en sí mismo, sino un medio para proteger los recursos del área (tanto naturales como antrópicos, incluyendo su plusvalía) y que puede ser revisado periódicamente conforme las condiciones ambientales varíen (para un manejo adaptativo). La disminución de los procesos erosivos (morfodinámicos) que impacten en el mejoramiento estructural de la duna (ancho, alto y de cobertura vegetal) y el mejoramiento tecnológico de la infraestructura habitacional, así como su distribución y control en el cambio de uso de suelo, permitirán incrementar la capacidad de carga, acercándose a la CCE en la medida en que los efectos negativos tiendan a cero.

Dependiendo del mercado al que este dirigido el desarrollo inmobiliario, se podría alcanzar una superficie aprovechable mayor para construir. Por supuesto, la superficie a ser ocupada dentro de cada uno de los desarrollos debe ajustarse a un reglamento de construcción, el cual debe ser aplicado en aquellos municipios que cuenten con uno y de manera supletoria en aquellos que no lo tienen.

**Anexo III. Coordenadas de las unidades de gestión ambiental****CELESTÚN****CEL06-MAN\_C3**

	x	y		x	y		x	y
1	( -90.24499 ,	20.93258 )	10	( -90.31643 ,	20.81408 )	19	( -90.27435 ,	20.92838 )
2	( -90.24247 ,	20.93132 )	11	( -90.31897 ,	20.81524 )	20	( -90.27393 ,	20.92942 )
3	( -90.24349 ,	20.93088 )	12	( -90.30729 ,	20.84721 )	21	( -90.27321 ,	20.93118 )
4	( -90.24735 ,	20.92740 )	13	( -90.29939 ,	20.86667 )	22	( -90.27245 ,	20.93306 )
5	( -90.25523 ,	20.90515 )	14	( -90.29821 ,	20.86958 )	23	( -90.27171 ,	20.93488 )
6	( -90.26372 ,	20.87826 )	15	( -90.29526 ,	20.87686 )	24	( -90.27160 ,	20.93515 )
7	( -90.29682 ,	20.82774 )	16	( -90.28764 ,	20.89563 )	25	( -90.27136 ,	20.93574 )
8	( -90.30091 ,	20.81804 )	17	( -90.28500 ,	20.90212 )	26	( -90.27125 ,	20.93573 )
9	( -90.30300 ,	20.80792 )	18	( -90.28209 ,	20.90930 )	27	( -90.24499 ,	20.93258 )

**CEL08-SAB\_C2**

	x	y		x	y		x	y
1	( -90.22678 ,	20.94508 )	16	( -90.21458 ,	20.85695 )	31	( -90.29530 ,	20.80381 )
2	( -90.23478 ,	20.93470 )	17	( -90.21532 ,	20.85083 )	32	( -90.29510 ,	20.80430 )
3	( -90.23782 ,	20.93076 )	18	( -90.21647 ,	20.84131 )	33	( -90.30300 ,	20.80792 )
4	( -90.21536 ,	20.92768 )	19	( -90.21514 ,	20.84116 )	34	( -90.30091 ,	20.81804 )
5	( -90.21719 ,	20.92398 )	20	( -90.21822 ,	20.84013 )	35	( -90.29682 ,	20.82774 )
6	( -90.21781 ,	20.92273 )	21	( -90.21906 ,	20.83789 )	36	( -90.26372 ,	20.87826 )
7	( -90.22230 ,	20.91626 )	22	( -90.23110 ,	20.80575 )	37	( -90.25523 ,	20.90515 )
8	( -90.22783 ,	20.90739 )	23	( -90.25574 ,	20.79106 )	38	( -90.24735 ,	20.92740 )
9	( -90.20922 ,	20.90481 )	24	( -90.25560 ,	20.78455 )	39	( -90.24349 ,	20.93088 )
10	( -90.21323 ,	20.86833 )	25	( -90.25547 ,	20.77827 )	40	( -90.24247 ,	20.93132 )
11	( -90.21366 ,	20.86465 )	26	( -90.27017 ,	20.76024 )	41	( -90.24499 ,	20.93258 )
12	( -90.21401 ,	20.86183 )	27	( -90.28302 ,	20.75057 )	42	( -90.24011 ,	20.94506 )
13	( -90.21449 ,	20.85796 )	28	( -90.30686 ,	20.75047 )	43	( -90.23984 ,	20.94498 )
14	( -90.21450 ,	20.85775 )	29	( -90.30845 ,	20.75046 )	44	( -90.23972 ,	20.94385 )
15	( -90.21451 ,	20.85769 )	30	( -90.30504 ,	20.77880 )	45	( -90.22678 ,	20.94508 )

**HUNUCMÁ**  
**HUN10-MAN\_ANP**

	x	y		x	y		x	y
1	( -90.03451 ,	21.16061 )	34	( -90.23972 ,	20.94385 )	67	( -90.11032 ,	21.14469 )
2	( -90.02103 ,	21.14863 )	35	( -90.23984 ,	20.94498 )	68	( -90.10844 ,	21.14562 )
3	( -90.01752 ,	21.14445 )	36	( -90.24011 ,	20.94506 )	69	( -90.10239 ,	21.14824 )
4	( -90.01243 ,	21.13506 )	37	( -90.24010 ,	20.94508 )	70	( -90.10075 ,	21.14971 )
5	( -90.05518 ,	21.12884 )	38	( -90.23987 ,	20.94565 )	71	( -90.09821 ,	21.15103 )
6	( -90.05024 ,	21.11607 )	39	( -90.25884 ,	20.95204 )	72	( -90.09666 ,	21.15184 )
7	( -90.05024 ,	21.11607 )	40	( -90.26248 ,	20.95326 )	73	( -90.09454 ,	21.15299 )
8	( -90.05029 ,	21.11603 )	41	( -90.23864 ,	20.99788 )	74	( -90.09079 ,	21.15453 )
9	( -90.06096 ,	21.10778 )	42	( -90.18505 ,	21.03567 )	75	( -90.08556 ,	21.15577 )
10	( -90.08012 ,	21.09923 )	43	( -90.16766 ,	21.04888 )	76	( -90.08276 ,	21.15577 )
11	( -90.11592 ,	21.09242 )	44	( -90.16776 ,	21.10919 )	77	( -90.07981 ,	21.15659 )
12	( -90.12990 ,	21.07925 )	45	( -90.19725 ,	21.08923 )	78	( -90.07338 ,	21.15755 )
13	( -90.15266 ,	21.06791 )	46	( -90.19890 ,	21.09147 )	79	( -90.06901 ,	21.15822 )
14	( -90.15457 ,	21.05161 )	47	( -90.19696 ,	21.09261 )	80	( -90.06626 ,	21.15882 )
15	( -90.16193 ,	21.03185 )	48	( -90.19552 ,	21.09376 )	81	( -90.06579 ,	21.15885 )
16	( -90.15291 ,	21.03167 )	49	( -90.19107 ,	21.09637 )	82	( -90.06503 ,	21.15902 )
17	( -90.15206 ,	21.02919 )	50	( -90.18747 ,	21.09932 )	83	( -90.06230 ,	21.15904 )
18	( -90.15962 ,	21.02117 )	51	( -90.18567 ,	21.09965 )	84	( -90.05936 ,	21.15953 )
19	( -90.17084 ,	21.01258 )	52	( -90.17806 ,	21.10603 )	85	( -90.05478 ,	21.16002 )
20	( -90.18174 ,	21.00580 )	53	( -90.15875 ,	21.11961 )	86	( -90.05321 ,	21.16002 )
21	( -90.18023 ,	20.99772 )	54	( -90.15016 ,	21.12451 )	87	( -90.05315 ,	21.16002 )
22	( -90.17978 ,	20.99529 )	55	( -90.14853 ,	21.12501 )	88	( -90.05314 ,	21.16002 )
23	( -90.18085 ,	20.98650 )	56	( -90.14247 ,	21.12926 )	89	( -90.05314 ,	21.16002 )
24	( -90.18544 ,	20.97712 )	57	( -90.13920 ,	21.13024 )	90	( -90.05314 ,	21.16002 )
25	( -90.18910 ,	20.97460 )	58	( -90.13577 ,	21.13253 )	91	( -90.05266 ,	21.15810 )
26	( -90.18949 ,	20.97433 )	59	( -90.13200 ,	21.13384 )	92	( -90.05265 ,	21.15806 )
27	( -90.19803 ,	20.97528 )	60	( -90.13118 ,	21.13515 )	93	( -90.04689 ,	21.15920 )
28	( -90.19849 ,	20.97455 )	61	( -90.12988 ,	21.13499 )	94	( -90.04544 ,	21.15946 )
29	( -90.20263 ,	20.97540 )	62	( -90.12857 ,	21.13613 )	95	( -90.04539 ,	21.15947 )
30	( -90.20772 ,	20.96466 )	63	( -90.12006 ,	21.14055 )	96	( -90.04196 ,	21.16014 )
31	( -90.21292 ,	20.96601 )	64	( -90.11597 ,	21.14186 )	97	( -90.03998 ,	21.16091 )
32	( -90.22548 ,	20.94521 )	65	( -90.11022 ,	21.14456 )	98	( -90.03455 ,	21.16061 )
33	( -90.22678 ,	20.94508 )	66	( -90.11019 ,	21.14457 )	99	( -90.03451 ,	21.16061 )

## HUN12-SAB\_ANP

	x	y		x	y		x	y
1	( -90.08096 ,	21.01644 )	17	( -90.17785 ,	20.97345 )	33	( -90.16193 ,	21.03185 )
2	( -90.08039 ,	21.00966 )	18	( -90.17787 ,	20.97212 )	34	( -90.15457 ,	21.05161 )
3	( -90.08046 ,	21.00966 )	19	( -90.19155 ,	20.97314 )	35	( -90.15266 ,	21.06791 )
4	( -90.10459 ,	21.01011 )	20	( -90.19849 ,	20.97455 )	36	( -90.12990 ,	21.07925 )
5	( -90.10461 ,	21.01008 )	21	( -90.19803 ,	20.97528 )	37	( -90.11592 ,	21.09242 )
6	( -90.11058 ,	20.99847 )	22	( -90.18949 ,	20.97433 )	38	( -90.08012 ,	21.09923 )
7	( -90.11060 ,	20.99845 )	23	( -90.18910 ,	20.97460 )	39	( -90.06096 ,	21.10778 )
8	( -90.11975 ,	20.98625 )	24	( -90.18544 ,	20.97712 )	40	( -90.05029 ,	21.11603 )
9	( -90.13696 ,	20.99530 )	25	( -90.18085 ,	20.98650 )	41	( -90.05024 ,	21.11607 )
10	( -90.13855 ,	20.99613 )	26	( -90.17978 ,	20.99529 )	42	( -90.05024 ,	21.11607 )
11	( -90.13976 ,	20.99677 )	27	( -90.18023 ,	20.99772 )	43	( -90.04613 ,	21.10544 )
12	( -90.15096 ,	20.99699 )	28	( -90.18174 ,	21.00580 )	44	( -90.04613 ,	21.04709 )
13	( -90.15163 ,	20.98772 )	29	( -90.17084 ,	21.01258 )	45	( -90.04576 ,	21.04361 )
14	( -90.15418 ,	20.98774 )	30	( -90.15962 ,	21.02117 )	46	( -90.04382 ,	21.02562 )
15	( -90.17700 ,	20.98794 )	31	( -90.15206 ,	21.02919 )	47	( -90.04353 ,	21.02289 )
16	( -90.17764 ,	20.98795 )	32	( -90.15291 ,	21.03167 )	48	( -90.08096 ,	21.01644 )

## HUN16-SEL\_AP2

	x	y		x	y		x	y
1	( -90.08046 ,	21.00966 )	43	( -89.94480 ,	21.05006 )	85	( -89.82331 ,	21.11179 )
2	( -90.08039 ,	21.00966 )	44	( -89.94420 ,	21.05028 )	86	( -89.82153 ,	21.11270 )
3	( -90.08096 ,	21.01644 )	45	( -89.94032 ,	21.05170 )	87	( -89.82109 ,	21.10919 )
4	( -90.04353 ,	21.02289 )	46	( -89.93953 ,	21.05202 )	88	( -89.80938 ,	21.10991 )
5	( -90.04382 ,	21.02562 )	47	( -89.93634 ,	21.05321 )	89	( -89.81151 ,	21.06701 )
6	( -90.04305 ,	21.02596 )	48	( -89.93516 ,	21.05368 )	90	( -89.81176 ,	21.06197 )
7	( -90.04226 ,	21.02633 )	49	( -89.93439 ,	21.05398 )	91	( -89.81189 ,	21.06203 )
8	( -90.04159 ,	21.02639 )	50	( -89.93147 ,	21.05517 )	92	( -89.81201 ,	21.06177 )
9	( -90.04048 ,	21.02651 )	51	( -89.92887 ,	21.05625 )	93	( -89.82810 ,	21.06099 )
10	( -90.03941 ,	21.02663 )	52	( -89.92875 ,	21.05630 )	94	( -89.83053 ,	21.06022 )
11	( -90.03860 ,	21.02673 )	53	( -89.92751 ,	21.05682 )	95	( -89.83453 ,	21.05717 )
12	( -90.03809 ,	21.02679 )	54	( -89.92545 ,	21.05771 )	96	( -89.83950 ,	21.05363 )
13	( -90.03474 ,	21.02716 )	55	( -89.92465 ,	21.05806 )	97	( -89.84459 ,	21.05025 )
14	( -90.02949 ,	21.02794 )	56	( -89.91900 ,	21.06067 )	98	( -89.84979 ,	21.04702 )
15	( -90.02734 ,	21.02831 )	57	( -89.91348 ,	21.06351 )	99	( -89.85106 ,	21.04626 )
16	( -90.02546 ,	21.02865 )	58	( -89.91152 ,	21.06463 )	100	( -89.85473 ,	21.04412 )
17	( -90.02014 ,	21.02970 )	59	( -89.90823 ,	21.06646 )	101	( -89.85845 ,	21.04205 )
18	( -90.01703 ,	21.03038 )	60	( -89.90500 ,	21.06837 )	102	( -89.86304 ,	21.03964 )
19	( -90.01276 ,	21.03137 )	61	( -89.89860 ,	21.07227 )	103	( -89.86460 ,	21.03888 )
20	( -90.00853 ,	21.03248 )	62	( -89.89563 ,	21.07414 )	104	( -89.86747 ,	21.03724 )
21	( -90.00705 ,	21.03292 )	63	( -89.89525 ,	21.07434 )	105	( -89.87036 ,	21.03563 )
22	( -90.00434 ,	21.03371 )	64	( -89.89233 ,	21.07596 )	106	( -89.87255 ,	21.03425 )
23	( -90.00293 ,	21.03417 )	65	( -89.88928 ,	21.07771 )	107	( -89.87894 ,	21.03035 )
24	( -90.00184 ,	21.03439 )	66	( -89.88858 ,	21.07814 )	108	( -89.88325 ,	21.02781 )
25	( -90.00062 ,	21.03466 )	67	( -89.88579 ,	21.07951 )	109	( -89.88763 ,	21.02536 )
26	( -89.99740 ,	21.03550 )	68	( -89.88234 ,	21.08132 )	110	( -89.88959 ,	21.02424 )
27	( -89.99576 ,	21.03581 )	69	( -89.87680 ,	21.08447 )	111	( -89.89695 ,	21.02046 )
28	( -89.99265 ,	21.03648 )	70	( -89.87552 ,	21.08524 )	112	( -89.90448 ,	21.01698 )
29	( -89.98693 ,	21.03782 )	71	( -89.87162 ,	21.08766 )	113	( -89.90528 ,	21.01663 )
30	( -89.98657 ,	21.03791 )	72	( -89.86780 ,	21.09020 )	114	( -89.90803 ,	21.01545 )
31	( -89.98633 ,	21.03797 )	73	( -89.86408 ,	21.09285 )	115	( -89.90927 ,	21.01493 )
32	( -89.98525 ,	21.03824 )	74	( -89.86041 ,	21.09564 )	116	( -89.90943 ,	21.01486 )
33	( -89.96987 ,	21.04199 )	75	( -89.85949 ,	21.09620 )	117	( -89.91203 ,	21.01377 )
34	( -89.96845 ,	21.04236 )	76	( -89.85727 ,	21.09764 )	118	( -89.91592 ,	21.01219 )
35	( -89.96443 ,	21.04356 )	77	( -89.85586 ,	21.09849 )	119	( -89.91787 ,	21.01143 )
36	( -89.96150 ,	21.04446 )	78	( -89.85202 ,	21.10094 )	120	( -89.92118 ,	21.01020 )
37	( -89.96007 ,	21.04492 )	79	( -89.85044 ,	21.10185 )	121	( -89.92207 ,	21.00983 )
38	( -89.95929 ,	21.04514 )	80	( -89.84591 ,	21.10309 )	122	( -89.92568 ,	21.00851 )
39	( -89.95257 ,	21.04726 )	81	( -89.83995 ,	21.10499 )	123	( -89.92685 ,	21.00807 )
40	( -89.95201 ,	21.04746 )	82	( -89.83498 ,	21.10678 )	124	( -89.93204 ,	21.00618 )
41	( -89.95102 ,	21.04778 )	83	( -89.83008 ,	21.10875 )	125	( -89.93248 ,	21.00634 )
42	( -89.94514 ,	21.04993 )	84	( -89.82986 ,	21.10884 )	126	( -89.94703 ,	21.01167 )

127 ( -89.94810 , 21.01207 )	137 ( -90.02431 , 21.02511 )	147 ( -90.04521 , 20.99887 )
128 ( -89.95064 , 21.01301 )	138 ( -90.02399 , 21.02775 )	148 ( -90.05173 , 20.99829 )
129 ( -89.95426 , 21.01435 )	139 ( -90.02946 , 21.02755 )	149 ( -90.07177 , 20.99573 )
130 ( -89.95461 , 21.01448 )	140 ( -90.03089 , 21.01768 )	150 ( -90.07252 , 20.99557 )
131 ( -89.95799 , 21.01572 )	141 ( -90.03388 , 21.01176 )	151 ( -90.07583 , 20.99514 )
132 ( -89.96755 , 21.01922 )	142 ( -90.03436 , 21.01106 )	152 ( -90.07750 , 21.00688 )
133 ( -89.97867 , 21.02308 )	143 ( -90.03701 , 21.00283 )	153 ( -90.07769 , 21.00821 )
134 ( -89.99922 , 21.02995 )	144 ( -90.03741 , 21.00002 )	154 ( -90.07783 , 21.00918 )
135 ( -90.00772 , 21.02831 )	145 ( -90.03777 , 20.99724 )	155 ( -90.08043 , 21.00927 )
136 ( -90.02111 , 21.02573 )	146 ( -90.04320 , 20.99823 )	156 ( -90.08046 , 21.00966 )

**PROGRESO****PRO03-BAR\_C3**

	x	y		x	y		x	y
1	( -89.82867 ,	21.25280 )	17	( -89.84095 ,	21.24745 )	33	( -89.84022 ,	21.25037 )
2	( -89.82833 ,	21.25105 )	18	( -89.84109 ,	21.24749 )	34	( -89.83910 ,	21.25063 )
3	( -89.82830 ,	21.25091 )	19	( -89.84215 ,	21.24737 )	35	( -89.83666 ,	21.25105 )
4	( -89.82777 ,	21.25102 )	20	( -89.84233 ,	21.24727 )	36	( -89.83489 ,	21.25167 )
5	( -89.82774 ,	21.25102 )	21	( -89.84337 ,	21.24717 )	37	( -89.83324 ,	21.25217 )
6	( -89.82771 ,	21.25096 )	22	( -89.84371 ,	21.24714 )	38	( -89.83232 ,	21.25251 )
7	( -89.82856 ,	21.24853 )	23	( -89.84411 ,	21.24790 )	39	( -89.83147 ,	21.25280 )
8	( -89.82926 ,	21.24839 )	24	( -89.84445 ,	21.24901 )	40	( -89.82945 ,	21.25299 )
9	( -89.84043 ,	21.24568 )	25	( -89.84482 ,	21.24978 )	41	( -89.82873 ,	21.25308 )
10	( -89.84193 ,	21.24588 )	26	( -89.84531 ,	21.25075 )	42	( -89.82867 ,	21.25280 )
11	( -89.84193 ,	21.24588 )	27	( -89.84513 ,	21.25081 )			
12	( -89.84193 ,	21.24588 )	28	( -89.84503 ,	21.25048 )			
13	( -89.84094 ,	21.24585 )	29	( -89.84370 ,	21.25029 )			
14	( -89.84079 ,	21.24592 )	30	( -89.84304 ,	21.25026 )			
15	( -89.84076 ,	21.24601 )	31	( -89.84253 ,	21.25026 )			
16	( -89.84088 ,	21.24733 )	32	( -89.84158 ,	21.25031 )			

**PRO04-BAR\_URB**

	x	y		x	y		x	y
1	( -89.70295 ,	21.27925 )	27	( -89.71174 ,	21.27201 )	53	( -89.81751 ,	21.25485 )
2	( -89.70298 ,	21.27915 )	28	( -89.71180 ,	21.27200 )	54	( -89.81682 ,	21.25496 )
3	( -89.70302 ,	21.27905 )	29	( -89.72035 ,	21.27036 )	55	( -89.81588 ,	21.25507 )
4	( -89.70301 ,	21.27898 )	30	( -89.72553 ,	21.26937 )	56	( -89.81493 ,	21.25527 )
5	( -89.70292 ,	21.27825 )	31	( -89.73359 ,	21.26700 )	57	( -89.81459 ,	21.25535 )
6	( -89.70338 ,	21.27757 )	32	( -89.73360 ,	21.26700 )	58	( -89.81270 ,	21.25560 )
7	( -89.70378 ,	21.27722 )	33	( -89.82007 ,	21.25018 )	59	( -89.81159 ,	21.25581 )
8	( -89.70501 ,	21.27709 )	34	( -89.82856 ,	21.24853 )	60	( -89.81118 ,	21.25591 )
9	( -89.70615 ,	21.27696 )	35	( -89.82771 ,	21.25096 )	61	( -89.81029 ,	21.25603 )
10	( -89.70720 ,	21.27684 )	36	( -89.82774 ,	21.25102 )	62	( -89.80964 ,	21.25616 )
11	( -89.70720 ,	21.27702 )	37	( -89.82777 ,	21.25102 )	63	( -89.80890 ,	21.25636 )
12	( -89.70843 ,	21.27680 )	38	( -89.82830 ,	21.25091 )	64	( -89.80778 ,	21.25656 )
13	( -89.70806 ,	21.27518 )	39	( -89.82833 ,	21.25105 )	65	( -89.80700 ,	21.25666 )
14	( -89.70689 ,	21.27474 )	40	( -89.82867 ,	21.25280 )	66	( -89.80583 ,	21.25674 )
15	( -89.70448 ,	21.27383 )	41	( -89.82873 ,	21.25308 )	67	( -89.80483 ,	21.25697 )
16	( -89.70315 ,	21.27333 )	42	( -89.82850 ,	21.25311 )	68	( -89.80448 ,	21.25708 )
17	( -89.70293 ,	21.27305 )	43	( -89.82716 ,	21.25334 )	69	( -89.80301 ,	21.25740 )
18	( -89.70100 ,	21.27063 )	44	( -89.82715 ,	21.25334 )	70	( -89.80214 ,	21.25763 )
19	( -89.70002 ,	21.26942 )	45	( -89.82664 ,	21.25341 )	71	( -89.80151 ,	21.25775 )
20	( -89.70090 ,	21.26883 )	46	( -89.82469 ,	21.25366 )	72	( -89.80121 ,	21.25782 )
21	( -89.70104 ,	21.26899 )	47	( -89.82391 ,	21.25378 )	73	( -89.80112 ,	21.25784 )
22	( -89.70119 ,	21.26901 )	48	( -89.82365 ,	21.25390 )	74	( -89.79990 ,	21.25811 )
23	( -89.70802 ,	21.26427 )	49	( -89.82167 ,	21.25415 )	75	( -89.79890 ,	21.25832 )
24	( -89.70830 ,	21.26416 )	50	( -89.81908 ,	21.25461 )	76	( -89.79804 ,	21.25848 )
25	( -89.70834 ,	21.26416 )	51	( -89.81872 ,	21.25469 )	77	( -89.79773 ,	21.25849 )
26	( -89.71493 ,	21.26886 )	52	( -89.81801 ,	21.25477 )	78	( -89.79603 ,	21.25882 )



79 ( -89.79539 , 21.25896 ) 126 ( -89.77161 , 21.26521 ) 173 ( -89.75016 , 21.26988 )  
80 ( -89.79493 , 21.25909 ) 127 ( -89.77108 , 21.26544 ) 174 ( -89.74985 , 21.26992 )  
81 ( -89.79435 , 21.25923 ) 128 ( -89.77087 , 21.26557 ) 175 ( -89.74967 , 21.26997 )  
82 ( -89.79328 , 21.25948 ) 129 ( -89.77082 , 21.26573 ) 176 ( -89.74928 , 21.27001 )  
83 ( -89.79266 , 21.25971 ) 130 ( -89.77048 , 21.26579 ) 177 ( -89.74908 , 21.27007 )  
84 ( -89.79220 , 21.25992 ) 131 ( -89.77040 , 21.26590 ) 178 ( -89.74883 , 21.27014 )  
85 ( -89.79180 , 21.26007 ) 132 ( -89.76960 , 21.26610 ) 179 ( -89.74778 , 21.27041 )  
86 ( -89.79154 , 21.26030 ) 133 ( -89.76920 , 21.26619 ) 180 ( -89.74730 , 21.27051 )  
87 ( -89.79119 , 21.26066 ) 134 ( -89.76896 , 21.26631 ) 181 ( -89.74715 , 21.27054 )  
88 ( -89.79103 , 21.26088 ) 135 ( -89.76863 , 21.26634 ) 182 ( -89.74630 , 21.27067 )  
89 ( -89.79093 , 21.26097 ) 136 ( -89.76823 , 21.26642 ) 183 ( -89.74593 , 21.27072 )  
90 ( -89.79039 , 21.26111 ) 137 ( -89.76794 , 21.26651 ) 184 ( -89.74539 , 21.27081 )  
91 ( -89.79014 , 21.26118 ) 138 ( -89.76702 , 21.26664 ) 185 ( -89.74467 , 21.27092 )  
92 ( -89.78991 , 21.26133 ) 139 ( -89.76638 , 21.26672 ) 186 ( -89.74452 , 21.27095 )  
93 ( -89.78923 , 21.26149 ) 140 ( -89.76564 , 21.26674 ) 187 ( -89.74364 , 21.27114 )  
94 ( -89.78777 , 21.26175 ) 141 ( -89.76522 , 21.26682 ) 188 ( -89.74339 , 21.27119 )  
95 ( -89.78614 , 21.26198 ) 142 ( -89.76471 , 21.26689 ) 189 ( -89.74273 , 21.27140 )  
96 ( -89.78484 , 21.26215 ) 143 ( -89.76402 , 21.26698 ) 190 ( -89.74217 , 21.27158 )  
97 ( -89.78435 , 21.26221 ) 144 ( -89.76318 , 21.26749 ) 191 ( -89.74179 , 21.27173 )  
98 ( -89.78228 , 21.26270 ) 145 ( -89.76285 , 21.26759 ) 192 ( -89.74116 , 21.27188 )  
99 ( -89.78074 , 21.26286 ) 146 ( -89.76233 , 21.26759 ) 193 ( -89.74088 , 21.27215 )  
100 ( -89.78040 , 21.26296 ) 147 ( -89.76145 , 21.26761 ) 194 ( -89.74044 , 21.27224 )  
101 ( -89.78006 , 21.26296 ) 148 ( -89.76123 , 21.26765 ) 195 ( -89.74032 , 21.27206 )  
102 ( -89.77967 , 21.26305 ) 149 ( -89.76107 , 21.26763 ) 196 ( -89.74017 , 21.27216 )  
103 ( -89.77913 , 21.26314 ) 150 ( -89.76096 , 21.26764 ) 197 ( -89.73984 , 21.27223 )  
104 ( -89.77892 , 21.26317 ) 151 ( -89.76075 , 21.26764 ) 198 ( -89.73946 , 21.27249 )  
105 ( -89.77825 , 21.26326 ) 152 ( -89.76016 , 21.26784 ) 199 ( -89.73895 , 21.27253 )  
106 ( -89.77740 , 21.26335 ) 153 ( -89.75973 , 21.26802 ) 200 ( -89.73872 , 21.27245 )  
107 ( -89.77730 , 21.26338 ) 154 ( -89.75933 , 21.26812 ) 201 ( -89.73828 , 21.27261 )  
108 ( -89.77696 , 21.26348 ) 155 ( -89.75902 , 21.26818 ) 202 ( -89.73801 , 21.27267 )  
109 ( -89.77669 , 21.26351 ) 156 ( -89.75834 , 21.26821 ) 203 ( -89.73751 , 21.27290 )  
110 ( -89.77646 , 21.26355 ) 157 ( -89.75765 , 21.26834 ) 204 ( -89.73735 , 21.27297 )  
111 ( -89.77620 , 21.26362 ) 158 ( -89.75667 , 21.26839 ) 205 ( -89.73685 , 21.27309 )  
112 ( -89.77600 , 21.26371 ) 159 ( -89.75604 , 21.26850 ) 206 ( -89.73639 , 21.27322 )  
113 ( -89.77565 , 21.26379 ) 160 ( -89.75578 , 21.26858 ) 207 ( -89.73591 , 21.27339 )  
114 ( -89.77544 , 21.26384 ) 161 ( -89.75564 , 21.26865 ) 208 ( -89.73537 , 21.27350 )  
115 ( -89.77496 , 21.26396 ) 162 ( -89.75479 , 21.26878 ) 209 ( -89.73428 , 21.27369 )  
116 ( -89.77481 , 21.26405 ) 163 ( -89.75430 , 21.26893 ) 210 ( -89.73322 , 21.27387 )  
117 ( -89.77457 , 21.26410 ) 164 ( -89.75392 , 21.26899 ) 211 ( -89.73312 , 21.27389 )  
118 ( -89.77405 , 21.26419 ) 165 ( -89.75335 , 21.26910 ) 212 ( -89.73231 , 21.27400 )  
119 ( -89.77384 , 21.26429 ) 166 ( -89.75286 , 21.26921 ) 213 ( -89.73196 , 21.27406 )  
120 ( -89.77352 , 21.26439 ) 167 ( -89.75224 , 21.26944 ) 214 ( -89.73100 , 21.27419 )  
121 ( -89.77345 , 21.26454 ) 168 ( -89.75180 , 21.26956 ) 215 ( -89.73054 , 21.27428 )  
122 ( -89.77274 , 21.26475 ) 169 ( -89.75139 , 21.26966 ) 216 ( -89.72999 , 21.27435 )  
123 ( -89.77271 , 21.26487 ) 170 ( -89.75103 , 21.26973 ) 217 ( -89.72971 , 21.27441 )  
124 ( -89.77232 , 21.26492 ) 171 ( -89.75087 , 21.26975 ) 218 ( -89.72890 , 21.27454 )  
125 ( -89.77189 , 21.26508 ) 172 ( -89.75064 , 21.26981 ) 219 ( -89.72855 , 21.27463 )

220 ( -89.72727 , 21.27488 ) 240 ( -89.71804 , 21.27709 ) 260 ( -89.70895 , 21.27875 )  
 221 ( -89.72714 , 21.27490 ) 241 ( -89.71773 , 21.27715 ) 261 ( -89.70892 , 21.27875 )  
 222 ( -89.72694 , 21.27493 ) 242 ( -89.71739 , 21.27724 ) 262 ( -89.70845 , 21.27883 )  
 223 ( -89.72606 , 21.27513 ) 243 ( -89.71685 , 21.27731 ) 263 ( -89.70830 , 21.27886 )  
 224 ( -89.72525 , 21.27529 ) 244 ( -89.71639 , 21.27738 ) 264 ( -89.70774 , 21.27895 )  
 225 ( -89.72495 , 21.27536 ) 245 ( -89.71593 , 21.27748 ) 265 ( -89.70751 , 21.27898 )  
 226 ( -89.72434 , 21.27550 ) 246 ( -89.71535 , 21.27759 ) 266 ( -89.70748 , 21.27930 )  
 227 ( -89.72369 , 21.27560 ) 247 ( -89.71493 , 21.27767 ) 267 ( -89.70739 , 21.27931 )  
 228 ( -89.72342 , 21.27567 ) 248 ( -89.71442 , 21.27781 ) 268 ( -89.70722 , 21.27925 )  
 229 ( -89.72307 , 21.27575 ) 249 ( -89.71366 , 21.27792 ) 269 ( -89.70702 , 21.27923 )  
 230 ( -89.72259 , 21.27590 ) 250 ( -89.71333 , 21.27795 ) 270 ( -89.70682 , 21.27923 )  
 231 ( -89.72208 , 21.27601 ) 251 ( -89.71304 , 21.27803 ) 271 ( -89.70603 , 21.27933 )  
 232 ( -89.72184 , 21.27609 ) 252 ( -89.71263 , 21.27810 ) 272 ( -89.70511 , 21.27943 )  
 233 ( -89.72113 , 21.27629 ) 253 ( -89.71234 , 21.27816 ) 273 ( -89.70438 , 21.27957 )  
 234 ( -89.72066 , 21.27639 ) 254 ( -89.71198 , 21.27825 ) 274 ( -89.70388 , 21.27975 )  
 235 ( -89.72035 , 21.27650 ) 255 ( -89.71205 , 21.27878 ) 275 ( -89.70362 , 21.27991 )  
 236 ( -89.71991 , 21.27656 ) 256 ( -89.71185 , 21.27881 ) 276 ( -89.70339 , 21.27998 )  
 237 ( -89.71925 , 21.27675 ) 257 ( -89.71181 , 21.27832 ) 277 ( -89.70313 , 21.27954 )  
 238 ( -89.71878 , 21.27688 ) 258 ( -89.71157 , 21.27835 ) 278 ( -89.70295 , 21.27925 )  
 239 ( -89.71839 , 21.27701 ) 259 ( -89.71098 , 21.27842 )

## PRO06-BAR\_URB

	x	y		x	y		x	y
1	-89.58652	21.29493	25	-89.67686	21.27691	49	-89.69337	21.27078
2	-89.58710	21.29489	26	-89.67686	21.27691	50	-89.69360	21.27056
3	-89.58960	21.29470	27	-89.67686	21.27691	51	-89.69383	21.26997
4	-89.58963	21.29469	28	-89.68240	21.27700	52	-89.69398	21.26996
5	-89.59073	21.29461	29	-89.68240	21.27659	53	-89.69420	21.26983
6	-89.59149	21.29455	30	-89.68454	21.27559	54	-89.69429	21.26963
7	-89.60424	21.29062	31	-89.68503	21.27559	55	-89.69463	21.26940
8	-89.60880	21.28923	32	-89.68510	21.27667	56	-89.69474	21.26937
9	-89.61275	21.28956	33	-89.68516	21.27679	57	-89.69468	21.26919
10	-89.61433	21.28969	34	-89.68530	21.27683	58	-89.69515	21.26882
11	-89.61473	21.28973	35	-89.68668	21.27682	59	-89.69533	21.26883
12	-89.64431	21.28336	36	-89.68693	21.27672	60	-89.69557	21.26875
13	-89.64543	21.28125	37	-89.68702	21.27657	61	-89.69578	21.26861
14	-89.64495	21.27812	38	-89.68709	21.27562	62	-89.69600	21.26857
15	-89.64534	21.27804	39	-89.68724	21.27527	63	-89.69622	21.26839
16	-89.65179	21.27683	40	-89.68778	21.27506	64	-89.69640	21.26830
17	-89.65597	21.27605	41	-89.68888	21.27508	65	-89.69684	21.26822
18	-89.65625	21.27603	42	-89.69029	21.27487	66	-89.69700	21.26822
19	-89.66196	21.27561	43	-89.69110	21.27410	67	-89.69715	21.26829
20	-89.66399	21.27546	44	-89.69108	21.27315	68	-89.69720	21.26837
21	-89.66400	21.27547	45	-89.69103	21.27306	69	-89.69718	21.26857
22	-89.66442	21.27636	46	-89.69200	21.27296	70	-89.69709	21.26867
23	-89.66501	21.27655	47	-89.69228	21.27284	71	-89.69700	21.26903
24	-89.66585	21.27682	48	-89.69322	21.27132	72	-89.69706	21.26904

73 ( -89.69699 , 21.26948 ) 120 ( -89.69762 , 21.27242 ) 167 ( -89.70153 , 21.28026 )  
74 ( -89.69666 , 21.26976 ) 121 ( -89.69773 , 21.27225 ) 168 ( -89.70157 , 21.28024 )  
75 ( -89.69497 , 21.27066 ) 122 ( -89.69787 , 21.27215 ) 169 ( -89.70146 , 21.28011 )  
76 ( -89.69495 , 21.27077 ) 123 ( -89.69786 , 21.27194 ) 170 ( -89.70124 , 21.28031 )  
77 ( -89.69499 , 21.27096 ) 124 ( -89.69778 , 21.27195 ) 171 ( -89.70070 , 21.27977 )  
78 ( -89.69504 , 21.27095 ) 125 ( -89.69775 , 21.27177 ) 172 ( -89.69969 , 21.27995 )  
79 ( -89.69505 , 21.27103 ) 126 ( -89.69784 , 21.27176 ) 173 ( -89.69961 , 21.28030 )  
80 ( -89.69513 , 21.27102 ) 127 ( -89.69774 , 21.27118 ) 174 ( -89.69958 , 21.28041 )  
81 ( -89.69544 , 21.27163 ) 128 ( -89.69769 , 21.27113 ) 175 ( -89.70030 , 21.28140 )  
82 ( -89.69508 , 21.27213 ) 129 ( -89.69775 , 21.27109 ) 176 ( -89.70126 , 21.28131 )  
83 ( -89.69483 , 21.27204 ) 130 ( -89.69781 , 21.27118 ) 177 ( -89.70168 , 21.28083 )  
84 ( -89.69469 , 21.27213 ) 131 ( -89.69801 , 21.27114 ) 178 ( -89.70209 , 21.28075 )  
85 ( -89.69385 , 21.27325 ) 132 ( -89.69800 , 21.27107 ) 179 ( -89.70243 , 21.28243 )  
86 ( -89.69400 , 21.27484 ) 133 ( -89.69815 , 21.27105 ) 180 ( -89.69987 , 21.28208 )  
87 ( -89.69433 , 21.27503 ) 134 ( -89.69814 , 21.27102 ) 181 ( -89.69965 , 21.28206 )  
88 ( -89.69472 , 21.27513 ) 135 ( -89.69800 , 21.27104 ) 182 ( -89.69957 , 21.28204 )  
89 ( -89.69497 , 21.27515 ) 136 ( -89.69800 , 21.27094 ) 183 ( -89.69944 , 21.28207 )  
90 ( -89.69759 , 21.27456 ) 137 ( -89.69809 , 21.27080 ) 184 ( -89.69932 , 21.28229 )  
91 ( -89.69764 , 21.27452 ) 138 ( -89.69800 , 21.27036 ) 185 ( -89.69948 , 21.28239 )  
92 ( -89.69760 , 21.27439 ) 139 ( -89.69787 , 21.27024 ) 186 ( -89.69944 , 21.28258 )  
93 ( -89.69737 , 21.27442 ) 140 ( -89.69783 , 21.26997 ) 187 ( -89.69944 , 21.28260 )  
94 ( -89.69721 , 21.27419 ) 141 ( -89.69793 , 21.26986 ) 188 ( -89.69944 , 21.28260 )  
95 ( -89.69714 , 21.27412 ) 142 ( -89.69837 , 21.26969 ) 189 ( -89.69916 , 21.28249 )  
96 ( -89.69696 , 21.27406 ) 143 ( -89.69841 , 21.26969 ) 190 ( -89.69905 , 21.28246 )  
97 ( -89.69467 , 21.27454 ) 144 ( -89.69857 , 21.26981 ) 191 ( -89.69896 , 21.28245 )  
98 ( -89.69461 , 21.27448 ) 145 ( -89.69862 , 21.26987 ) 192 ( -89.69857 , 21.28236 )  
99 ( -89.69458 , 21.27430 ) 146 ( -89.69867 , 21.27004 ) 193 ( -89.69823 , 21.28236 )  
100 ( -89.69454 , 21.27341 ) 147 ( -89.69870 , 21.27005 ) 194 ( -89.69747 , 21.28233 )  
101 ( -89.69533 , 21.27239 ) 148 ( -89.69870 , 21.27008 ) 195 ( -89.69646 , 21.28232 )  
102 ( -89.69521 , 21.27230 ) 149 ( -89.69863 , 21.27014 ) 196 ( -89.69601 , 21.28226 )  
103 ( -89.69544 , 21.27199 ) 150 ( -89.69872 , 21.27067 ) 197 ( -89.69593 , 21.28090 )  
104 ( -89.69566 , 21.27181 ) 151 ( -89.69875 , 21.27070 ) 198 ( -89.69483 , 21.28118 )  
105 ( -89.69575 , 21.27179 ) 152 ( -89.69885 , 21.27073 ) 199 ( -89.69478 , 21.28091 )  
106 ( -89.69593 , 21.27181 ) 153 ( -89.69887 , 21.27076 ) 200 ( -89.69392 , 21.28099 )  
107 ( -89.69608 , 21.27179 ) 154 ( -89.69884 , 21.27090 ) 201 ( -89.69258 , 21.28110 )  
108 ( -89.69641 , 21.27165 ) 155 ( -89.69930 , 21.27314 ) 202 ( -89.69197 , 21.28124 )  
109 ( -89.69662 , 21.27141 ) 156 ( -89.69978 , 21.27306 ) 203 ( -89.69198 , 21.28130 )  
110 ( -89.69669 , 21.27145 ) 157 ( -89.69996 , 21.27393 ) 204 ( -89.69122 , 21.28142 )  
111 ( -89.69661 , 21.27174 ) 158 ( -89.69973 , 21.27441 ) 205 ( -89.68923 , 21.28174 )  
112 ( -89.69658 , 21.27220 ) 159 ( -89.70114 , 21.27501 ) 206 ( -89.68920 , 21.28166 )  
113 ( -89.69664 , 21.27237 ) 160 ( -89.70173 , 21.27798 ) 207 ( -89.68825 , 21.28182 )  
114 ( -89.69668 , 21.27242 ) 161 ( -89.70203 , 21.27952 ) 208 ( -89.68758 , 21.28196 )  
115 ( -89.69675 , 21.27243 ) 162 ( -89.70208 , 21.28013 ) 209 ( -89.68671 , 21.28207 )  
116 ( -89.69678 , 21.27247 ) 163 ( -89.70186 , 21.28048 ) 210 ( -89.68573 , 21.28218 )  
117 ( -89.69681 , 21.27245 ) 164 ( -89.70148 , 21.28056 ) 211 ( -89.68477 , 21.28238 )  
118 ( -89.69701 , 21.27258 ) 165 ( -89.70146 , 21.28053 ) 212 ( -89.68359 , 21.28247 )  
119 ( -89.69732 , 21.27262 ) 166 ( -89.70163 , 21.28036 ) 213 ( -89.68296 , 21.28258 )

214 ( -89.68154 , 21.28276 ) 261 ( -89.66006 , 21.28874 ) 308 ( -89.62413 , 21.29315 )  
215 ( -89.68053 , 21.28288 ) 262 ( -89.65843 , 21.28883 ) 309 ( -89.62346 , 21.29316 )  
216 ( -89.67898 , 21.28302 ) 263 ( -89.65690 , 21.28893 ) 310 ( -89.62279 , 21.29335 )  
217 ( -89.67814 , 21.28311 ) 264 ( -89.65599 , 21.28902 ) 311 ( -89.62245 , 21.29337 )  
218 ( -89.67736 , 21.28322 ) 265 ( -89.65523 , 21.28908 ) 312 ( -89.62198 , 21.29351 )  
219 ( -89.67638 , 21.28336 ) 266 ( -89.65487 , 21.28910 ) 313 ( -89.62091 , 21.29362 )  
220 ( -89.67572 , 21.28343 ) 267 ( -89.65441 , 21.28915 ) 314 ( -89.62066 , 21.29364 )  
221 ( -89.67480 , 21.28352 ) 268 ( -89.65374 , 21.28921 ) 315 ( -89.62023 , 21.29375 )  
222 ( -89.67483 , 21.28381 ) 269 ( -89.65311 , 21.28926 ) 316 ( -89.61989 , 21.29378 )  
223 ( -89.67394 , 21.28393 ) 270 ( -89.65238 , 21.28930 ) 317 ( -89.61897 , 21.29388 )  
224 ( -89.67393 , 21.28385 ) 271 ( -89.65140 , 21.28935 ) 318 ( -89.61808 , 21.29398 )  
225 ( -89.67331 , 21.28397 ) 272 ( -89.65041 , 21.28938 ) 319 ( -89.61620 , 21.29448 )  
226 ( -89.67224 , 21.28422 ) 273 ( -89.64967 , 21.28941 ) 320 ( -89.61496 , 21.29470 )  
227 ( -89.67115 , 21.28440 ) 274 ( -89.64923 , 21.28945 ) 321 ( -89.61358 , 21.29494 )  
228 ( -89.67121 , 21.28473 ) 275 ( -89.64788 , 21.28950 ) 322 ( -89.61229 , 21.29514 )  
229 ( -89.66999 , 21.28491 ) 276 ( -89.64646 , 21.28958 ) 323 ( -89.61183 , 21.29518 )  
230 ( -89.66965 , 21.28508 ) 277 ( -89.64646 , 21.28962 ) 324 ( -89.61054 , 21.29540 )  
231 ( -89.66899 , 21.28575 ) 278 ( -89.64547 , 21.28967 ) 325 ( -89.60987 , 21.29551 )  
232 ( -89.66794 , 21.28619 ) 279 ( -89.64546 , 21.28972 ) 326 ( -89.60967 , 21.29555 )  
233 ( -89.66790 , 21.28601 ) 280 ( -89.64483 , 21.28976 ) 327 ( -89.60936 , 21.29561 )  
234 ( -89.66741 , 21.28630 ) 281 ( -89.64482 , 21.28979 ) 328 ( -89.60893 , 21.29573 )  
235 ( -89.66591 , 21.28775 ) 282 ( -89.64433 , 21.28985 ) 329 ( -89.60861 , 21.29582 )  
236 ( -89.66592 , 21.28781 ) 283 ( -89.64432 , 21.28995 ) 330 ( -89.60841 , 21.29590 )  
237 ( -89.66586 , 21.28783 ) 284 ( -89.64386 , 21.29000 ) 331 ( -89.60793 , 21.29607 )  
238 ( -89.66580 , 21.28771 ) 285 ( -89.64383 , 21.29006 ) 332 ( -89.60740 , 21.29617 )  
239 ( -89.66572 , 21.28771 ) 286 ( -89.64282 , 21.29014 ) 333 ( -89.60660 , 21.29629 )  
240 ( -89.66568 , 21.28728 ) 287 ( -89.64172 , 21.29026 ) 334 ( -89.60518 , 21.29658 )  
241 ( -89.66483 , 21.28744 ) 288 ( -89.63997 , 21.29048 ) 335 ( -89.60369 , 21.29679 )  
242 ( -89.66479 , 21.28721 ) 289 ( -89.63962 , 21.29054 ) 336 ( -89.60221 , 21.29702 )  
243 ( -89.66492 , 21.28707 ) 290 ( -89.63882 , 21.29063 ) 337 ( -89.60082 , 21.29725 )  
244 ( -89.66481 , 21.28615 ) 291 ( -89.63879 , 21.29063 ) 338 ( -89.59923 , 21.29752 )  
245 ( -89.66428 , 21.28621 ) 292 ( -89.63830 , 21.29070 ) 339 ( -89.59717 , 21.29775 )  
246 ( -89.66424 , 21.28629 ) 293 ( -89.63758 , 21.29080 ) 340 ( -89.59585 , 21.29793 )  
247 ( -89.66408 , 21.28636 ) 294 ( -89.63667 , 21.29094 ) 341 ( -89.59447 , 21.29805 )  
248 ( -89.66381 , 21.28643 ) 295 ( -89.63542 , 21.29112 ) 342 ( -89.59432 , 21.29811 )  
249 ( -89.66383 , 21.28678 ) 296 ( -89.63541 , 21.29133 ) 343 ( -89.59363 , 21.29821 )  
250 ( -89.66368 , 21.28680 ) 297 ( -89.63424 , 21.29150 ) 344 ( -89.59298 , 21.29838 )  
251 ( -89.66375 , 21.28741 ) 298 ( -89.63333 , 21.29166 ) 345 ( -89.59205 , 21.29862 )  
252 ( -89.66444 , 21.28735 ) 299 ( -89.63328 , 21.29166 ) 346 ( -89.59155 , 21.29874 )  
253 ( -89.66449 , 21.28841 ) 300 ( -89.63185 , 21.29182 ) 347 ( -89.59074 , 21.29884 )  
254 ( -89.66449 , 21.28842 ) 301 ( -89.63113 , 21.29193 ) 348 ( -89.58957 , 21.29902 )  
255 ( -89.66442 , 21.28841 ) 302 ( -89.62974 , 21.29224 ) 349 ( -89.58859 , 21.29919 )  
256 ( -89.66366 , 21.28846 ) 303 ( -89.62774 , 21.29267 ) 350 ( -89.58703 , 21.29935 )  
257 ( -89.66276 , 21.28854 ) 304 ( -89.62690 , 21.29274 ) 351 ( -89.58615 , 21.29948 )  
258 ( -89.66250 , 21.28854 ) 305 ( -89.62650 , 21.29283 ) 352 ( -89.58614 , 21.29948 )  
259 ( -89.66171 , 21.28861 ) 306 ( -89.62518 , 21.29301 ) 353 ( -89.58614 , 21.29945 )  
260 ( -89.66131 , 21.28865 ) 307 ( -89.62459 , 21.29309 ) 354 ( -89.58615 , 21.29936 )

355 ( -89.58619 , 21.29886 ) 357 ( -89.58650 , 21.29518 ) 358 ( -89.58652 , 21.29493 )  
 356 ( -89.58624 , 21.29832 )

## PRO09-BAR\_C3-R

x	y	x	y	x	y
1	( -89.49615 , 21.31435 )	20	( -89.52109 , 21.31253 )	39	( -89.50410 , 21.31556 )
2	( -89.49622 , 21.31435 )	21	( -89.52110 , 21.31284 )	40	( -89.50390 , 21.31559 )
3	( -89.49639 , 21.31433 )	22	( -89.52108 , 21.31284 )	41	( -89.50281 , 21.31565 )
4	( -89.49665 , 21.31432 )	23	( -89.51953 , 21.31301 )	42	( -89.50133 , 21.31592 )
5	( -89.49669 , 21.31432 )	24	( -89.51836 , 21.31299 )	43	( -89.49940 , 21.31613 )
6	( -89.49701 , 21.31430 )	25	( -89.51661 , 21.31314 )	44	( -89.49751 , 21.31653 )
7	( -89.49717 , 21.31428 )	26	( -89.51435 , 21.31341 )	45	( -89.49600 , 21.31676 )
8	( -89.49742 , 21.31427 )	27	( -89.51216 , 21.31371 )	46	( -89.49424 , 21.31693 )
9	( -89.49753 , 21.31426 )	28	( -89.51179 , 21.31378 )	47	( -89.48994 , 21.31727 )
10	( -89.49787 , 21.31424 )	29	( -89.51156 , 21.31385 )	48	( -89.48799 , 21.31769 )
11	( -89.49791 , 21.31424 )	30	( -89.51109 , 21.31392 )	49	( -89.48763 , 21.31777 )
12	( -89.49815 , 21.31422 )	31	( -89.51040 , 21.31407 )	50	( -89.48734 , 21.31533 )
13	( -89.49821 , 21.31422 )	32	( -89.50962 , 21.31435 )	51	( -89.48825 , 21.31522 )
14	( -89.49825 , 21.31422 )	33	( -89.50892 , 21.31460 )	52	( -89.48917 , 21.31509 )
15	( -89.49838 , 21.31421 )	34	( -89.50807 , 21.31494 )	53	( -89.49071 , 21.31490 )
16	( -89.49840 , 21.31421 )	35	( -89.50662 , 21.31527 )	54	( -89.49199 , 21.31475 )
17	( -89.50169 , 21.31400 )	36	( -89.50535 , 21.31541 )	55	( -89.49334 , 21.31458 )
18	( -89.50326 , 21.31390 )	37	( -89.50495 , 21.31548 )	56	( -89.49449 , 21.31450 )
19	( -89.52100 , 21.31098 )	38	( -89.50451 , 21.31552 )	57	( -89.49615 , 21.31435 )

## PRO11-MAN\_ANP

x	y	x	y	x	y
1	( -89.50169 , 21.31400 )	21	( -89.57555 , 21.27882 )	41	( -89.65583 , 21.25317 )
2	( -89.50163 , 21.31290 )	22	( -89.57845 , 21.27945 )	42	( -89.65665 , 21.25231 )
3	( -89.50160 , 21.31219 )	23	( -89.58345 , 21.27595 )	43	( -89.65949 , 21.25272 )
4	( -89.50107 , 21.29284 )	24	( -89.58706 , 21.27594 )	44	( -89.66069 , 21.25353 )
5	( -89.51496 , 21.28493 )	25	( -89.58877 , 21.27749 )	45	( -89.66806 , 21.25225 )
6	( -89.51252 , 21.28271 )	26	( -89.59210 , 21.27541 )	46	( -89.67072 , 21.25030 )
7	( -89.51524 , 21.28096 )	27	( -89.59570 , 21.27467 )	47	( -89.67058 , 21.24938 )
8	( -89.52979 , 21.27848 )	28	( -89.59814 , 21.27599 )	48	( -89.67042 , 21.24823 )
9	( -89.53412 , 21.27832 )	29	( -89.60243 , 21.27380 )	49	( -89.67295 , 21.24466 )
10	( -89.53512 , 21.28056 )	30	( -89.61577 , 21.27933 )	50	( -89.67797 , 21.24272 )
11	( -89.53106 , 21.28266 )	31	( -89.61861 , 21.27658 )	51	( -89.67935 , 21.24367 )
12	( -89.53490 , 21.28269 )	32	( -89.61983 , 21.27701 )	52	( -89.68213 , 21.24324 )
13	( -89.53880 , 21.28457 )	33	( -89.62010 , 21.27858 )	53	( -89.68614 , 21.24169 )
14	( -89.54188 , 21.28157 )	34	( -89.63783 , 21.27406 )	54	( -89.68957 , 21.23354 )
15	( -89.56308 , 21.28194 )	35	( -89.64971 , 21.27248 )	55	( -89.70178 , 21.22877 )
16	( -89.56572 , 21.27829 )	36	( -89.64950 , 21.26594 )	56	( -89.70186 , 21.22692 )
17	( -89.56760 , 21.27849 )	37	( -89.65761 , 21.26242 )	57	( -89.70412 , 21.22512 )
18	( -89.57160 , 21.27346 )	38	( -89.65587 , 21.25929 )	58	( -89.71187 , 21.22748 )
19	( -89.57294 , 21.27322 )	39	( -89.65704 , 21.25747 )	59	( -89.71552 , 21.22968 )
20	( -89.57573 , 21.27566 )	40	( -89.65718 , 21.25588 )	60	( -89.71567 , 21.22493 )

61 ( -89.71685 , 21.22333 ) 108 ( -89.74392 , 21.26242 ) 155 ( -89.66605 , 21.27439 )  
62 ( -89.72984 , 21.22312 ) 109 ( -89.74486 , 21.25882 ) 156 ( -89.66613 , 21.27363 )  
63 ( -89.73561 , 21.22642 ) 110 ( -89.74739 , 21.25605 ) 157 ( -89.66401 , 21.27292 )  
64 ( -89.74539 , 21.23077 ) 111 ( -89.75812 , 21.25313 ) 158 ( -89.66317 , 21.27390 )  
65 ( -89.75290 , 21.22912 ) 112 ( -89.76609 , 21.25332 ) 159 ( -89.66178 , 21.27282 )  
66 ( -89.76508 , 21.22819 ) 113 ( -89.76968 , 21.25195 ) 160 ( -89.66176 , 21.27215 )  
67 ( -89.77980 , 21.22334 ) 114 ( -89.77847 , 21.24859 ) 161 ( -89.66112 , 21.27234 )  
68 ( -89.79465 , 21.22106 ) 115 ( -89.78206 , 21.24821 ) 162 ( -89.66116 , 21.27337 )  
69 ( -89.81131 , 21.21668 ) 116 ( -89.78592 , 21.25047 ) 163 ( -89.66096 , 21.27358 )  
70 ( -89.83700 , 21.21276 ) 117 ( -89.79728 , 21.24565 ) 164 ( -89.66002 , 21.27320 )  
71 ( -89.83814 , 21.21082 ) 118 ( -89.79464 , 21.24264 ) 165 ( -89.65940 , 21.27359 )  
72 ( -89.85665 , 21.20939 ) 119 ( -89.78835 , 21.24195 ) 166 ( -89.65950 , 21.27396 )  
73 ( -89.86464 , 21.20358 ) 120 ( -89.77709 , 21.24072 ) 167 ( -89.65854 , 21.27418 )  
74 ( -89.86374 , 21.23300 ) 121 ( -89.76181 , 21.24655 ) 168 ( -89.65540 , 21.27415 )  
75 ( -89.86106 , 21.23276 ) 122 ( -89.75136 , 21.24750 ) 169 ( -89.65518 , 21.27399 )  
76 ( -89.86223 , 21.23601 ) 123 ( -89.74923 , 21.24645 ) 170 ( -89.65370 , 21.27420 )  
77 ( -89.86340 , 21.23928 ) 124 ( -89.72794 , 21.24971 ) 171 ( -89.65368 , 21.27447 )  
78 ( -89.86177 , 21.23958 ) 125 ( -89.72705 , 21.25543 ) 172 ( -89.65320 , 21.27472 )  
79 ( -89.84374 , 21.24450 ) 126 ( -89.72314 , 21.25595 ) 173 ( -89.65325 , 21.27541 )  
80 ( -89.84408 , 21.24625 ) 127 ( -89.71934 , 21.25485 ) 174 ( -89.63994 , 21.27830 )  
81 ( -89.84408 , 21.24625 ) 128 ( -89.71549 , 21.25531 ) 175 ( -89.63980 , 21.27940 )  
82 ( -89.84320 , 21.24645 ) 129 ( -89.71282 , 21.25713 ) 176 ( -89.64104 , 21.27930 )  
83 ( -89.84225 , 21.24637 ) 130 ( -89.70825 , 21.25771 ) 177 ( -89.64495 , 21.27812 )  
84 ( -89.84193 , 21.24588 ) 131 ( -89.70511 , 21.25729 ) 178 ( -89.64495 , 21.27812 )  
85 ( -89.84193 , 21.24588 ) 132 ( -89.70298 , 21.25898 ) 179 ( -89.64543 , 21.28125 )  
86 ( -89.84043 , 21.24568 ) 133 ( -89.70217 , 21.25917 ) 180 ( -89.64431 , 21.28336 )  
87 ( -89.82926 , 21.24839 ) 134 ( -89.70123 , 21.25844 ) 181 ( -89.61473 , 21.28973 )  
88 ( -89.82856 , 21.24853 ) 135 ( -89.70106 , 21.25633 ) 182 ( -89.61433 , 21.28969 )  
89 ( -89.82007 , 21.25018 ) 136 ( -89.70031 , 21.25566 ) 183 ( -89.61275 , 21.28956 )  
90 ( -89.73360 , 21.26700 ) 137 ( -89.69884 , 21.25585 ) 184 ( -89.60880 , 21.28923 )  
91 ( -89.73359 , 21.26700 ) 138 ( -89.69965 , 21.26025 ) 185 ( -89.60424 , 21.29062 )  
92 ( -89.72553 , 21.26937 ) 139 ( -89.69577 , 21.26326 ) 186 ( -89.59149 , 21.29455 )  
93 ( -89.72035 , 21.27036 ) 140 ( -89.69367 , 21.26298 ) 187 ( -89.59073 , 21.29461 )  
94 ( -89.71180 , 21.27200 ) 141 ( -89.69241 , 21.26359 ) 188 ( -89.58963 , 21.29469 )  
95 ( -89.71174 , 21.27201 ) 142 ( -89.68753 , 21.26422 ) 189 ( -89.58960 , 21.29470 )  
96 ( -89.71493 , 21.26886 ) 143 ( -89.68507 , 21.26381 ) 190 ( -89.58710 , 21.29489 )  
97 ( -89.70834 , 21.26416 ) 144 ( -89.68184 , 21.26805 ) 191 ( -89.58652 , 21.29493 )  
98 ( -89.71109 , 21.26421 ) 145 ( -89.68084 , 21.26792 ) 192 ( -89.58240 , 21.29525 )  
99 ( -89.71746 , 21.26722 ) 146 ( -89.67876 , 21.26994 ) 193 ( -89.57158 , 21.29608 )  
100 ( -89.72077 , 21.26482 ) 147 ( -89.67687 , 21.27087 ) 194 ( -89.54840 , 21.30082 )  
101 ( -89.72407 , 21.26450 ) 148 ( -89.67503 , 21.27082 ) 195 ( -89.52727 , 21.30963 )  
102 ( -89.72718 , 21.26687 ) 149 ( -89.67379 , 21.27200 ) 196 ( -89.52100 , 21.31098 )  
103 ( -89.73141 , 21.26712 ) 150 ( -89.67249 , 21.27198 ) 197 ( -89.50326 , 21.31390 )  
104 ( -89.73330 , 21.26651 ) 151 ( -89.67113 , 21.27150 ) 198 ( -89.50169 , 21.31400 )  
105 ( -89.73673 , 21.26451 ) 152 ( -89.67048 , 21.27179 ) 199 ( -89.50169 , 21.31400 )  
106 ( -89.73799 , 21.26378 ) 153 ( -89.67079 , 21.27296 ) 200 ( -89.54111 , 21.29850 )  
107 ( -89.74037 , 21.26479 ) 154 ( -89.66832 , 21.27432 ) 201 ( -89.54320 , 21.29631 )

202 ( -89.54603 , 21.29593 ) 214 ( -89.52334 , 21.30741 ) 226 ( -89.51517 , 21.30561 )  
 203 ( -89.54785 , 21.29770 ) 215 ( -89.52451 , 21.30274 ) 227 ( -89.51328 , 21.30623 )  
 204 ( -89.55108 , 21.29474 ) 216 ( -89.52341 , 21.30059 ) 228 ( -89.51425 , 21.30844 )  
 205 ( -89.55595 , 21.29528 ) 217 ( -89.51898 , 21.30083 ) 229 ( -89.51720 , 21.30906 )  
 206 ( -89.56054 , 21.29422 ) 218 ( -89.51700 , 21.29953 ) 230 ( -89.51683 , 21.31022 )  
 207 ( -89.56317 , 21.29268 ) 219 ( -89.51121 , 21.30294 ) 231 ( -89.52257 , 21.30925 )  
 208 ( -89.55863 , 21.29263 ) 220 ( -89.50926 , 21.30270 ) 232 ( -89.53947 , 21.30259 )  
 209 ( -89.55679 , 21.29261 ) 221 ( -89.50591 , 21.30640 ) 233 ( -89.54050 , 21.30120 )  
 210 ( -89.54929 , 21.28957 ) 222 ( -89.51057 , 21.30566 ) 234 ( -89.53952 , 21.29919 )  
 211 ( -89.54032 , 21.29386 ) 223 ( -89.51263 , 21.30313 ) 235 ( -89.54111 , 21.29850 )  
 212 ( -89.53509 , 21.29925 ) 224 ( -89.51360 , 21.30297 )  
 213 ( -89.53674 , 21.30239 ) 225 ( -89.51552 , 21.30414 )

## PRO12-SAB\_ANP

x	y	x	y	x	y
1 ( -89.50072 , 21.28025 )		33 ( -89.82332 , 21.20066 )		65 ( -89.70178 , 21.22877 )	
2 ( -89.51052 , 21.26804 )		34 ( -89.82331 , 21.20074 )		66 ( -89.68957 , 21.23354 )	
3 ( -89.50945 , 21.26081 )		35 ( -89.82272 , 21.20537 )		67 ( -89.68614 , 21.24169 )	
4 ( -89.50872 , 21.25591 )		36 ( -89.82535 , 21.20550 )		68 ( -89.68213 , 21.24324 )	
5 ( -89.50977 , 21.25343 )		37 ( -89.82540 , 21.20550 )		69 ( -89.67935 , 21.24367 )	
6 ( -89.51089 , 21.25078 )		38 ( -89.83282 , 21.20603 )		70 ( -89.67797 , 21.24272 )	
7 ( -89.51504 , 21.25058 )		39 ( -89.82868 , 21.18786 )		71 ( -89.67295 , 21.24466 )	
8 ( -89.53002 , 21.24198 )		40 ( -89.84210 , 21.18509 )		72 ( -89.67042 , 21.24823 )	
9 ( -89.53334 , 21.24381 )		41 ( -89.84111 , 21.18116 )		73 ( -89.67058 , 21.24938 )	
10 ( -89.53240 , 21.25305 )		42 ( -89.84590 , 21.17565 )		74 ( -89.67072 , 21.25030 )	
11 ( -89.54750 , 21.26171 )		43 ( -89.84949 , 21.17768 )		75 ( -89.66806 , 21.25225 )	
12 ( -89.58231 , 21.26067 )		44 ( -89.85976 , 21.17176 )		76 ( -89.66069 , 21.25353 )	
13 ( -89.59330 , 21.25315 )		45 ( -89.86554 , 21.17404 )		77 ( -89.65949 , 21.25272 )	
14 ( -89.60005 , 21.25356 )		46 ( -89.86470 , 21.20157 )		78 ( -89.65665 , 21.25231 )	
15 ( -89.60434 , 21.25896 )		47 ( -89.86464 , 21.20358 )		79 ( -89.65583 , 21.25317 )	
16 ( -89.60998 , 21.25836 )		48 ( -89.85665 , 21.20939 )		80 ( -89.65718 , 21.25588 )	
17 ( -89.62549 , 21.24838 )		49 ( -89.83814 , 21.21082 )		81 ( -89.65704 , 21.25747 )	
18 ( -89.63916 , 21.24817 )		50 ( -89.83700 , 21.21276 )		82 ( -89.65587 , 21.25929 )	
19 ( -89.65747 , 21.23916 )		51 ( -89.81131 , 21.21668 )		83 ( -89.65761 , 21.26242 )	
20 ( -89.65821 , 21.24625 )		52 ( -89.79465 , 21.22106 )		84 ( -89.64950 , 21.26594 )	
21 ( -89.66998 , 21.23844 )		53 ( -89.77980 , 21.22334 )		85 ( -89.64971 , 21.27248 )	
22 ( -89.67758 , 21.23339 )		54 ( -89.76508 , 21.22819 )		86 ( -89.63783 , 21.27406 )	
23 ( -89.69037 , 21.22489 )		55 ( -89.75290 , 21.22912 )		87 ( -89.62010 , 21.27858 )	
24 ( -89.69366 , 21.22271 )		56 ( -89.74539 , 21.23077 )		88 ( -89.61983 , 21.27701 )	
25 ( -89.70283 , 21.21663 )		57 ( -89.73561 , 21.22642 )		89 ( -89.61861 , 21.27658 )	
26 ( -89.70887 , 21.21261 )		58 ( -89.72984 , 21.22312 )		90 ( -89.61577 , 21.27933 )	
27 ( -89.71046 , 21.21228 )		59 ( -89.71685 , 21.22333 )		91 ( -89.60243 , 21.27380 )	
28 ( -89.71304 , 21.21175 )		60 ( -89.71567 , 21.22493 )		92 ( -89.59814 , 21.27599 )	
29 ( -89.71311 , 21.21174 )		61 ( -89.71552 , 21.22968 )		93 ( -89.59570 , 21.27467 )	
30 ( -89.71311 , 21.21174 )		62 ( -89.71187 , 21.22748 )		94 ( -89.59210 , 21.27541 )	
31 ( -89.71510 , 21.21133 )		63 ( -89.70412 , 21.22512 )		95 ( -89.58877 , 21.27749 )	
32 ( -89.81871 , 21.18992 )		64 ( -89.70186 , 21.22692 )		96 ( -89.58706 , 21.27594 )	

97 ( -89.58345 , 21.27595 )	104 ( -89.56572 , 21.27829 )	111 ( -89.53412 , 21.27832 )
98 ( -89.57845 , 21.27945 )	105 ( -89.56308 , 21.28194 )	112 ( -89.52979 , 21.27848 )
99 ( -89.57555 , 21.27882 )	106 ( -89.54188 , 21.28157 )	113 ( -89.51524 , 21.28096 )
100 ( -89.57573 , 21.27566 )	107 ( -89.53880 , 21.28457 )	114 ( -89.51252 , 21.28271 )
101 ( -89.57294 , 21.27322 )	108 ( -89.53490 , 21.28269 )	115 ( -89.51496 , 21.28493 )
102 ( -89.57160 , 21.27346 )	109 ( -89.53106 , 21.28266 )	116 ( -89.50107 , 21.29284 )
103 ( -89.56760 , 21.27849 )	110 ( -89.53512 , 21.28056 )	117 ( -89.50072 , 21.28025 )

## PRO15-MIX\_CONF

x	y	x	y	x	y
1 ( -89.65528 , 21.23329 )		38 ( -89.64617 , 21.17449 )		75 ( -89.66491 , 21.22397 )	
2 ( -89.65525 , 21.23149 )		39 ( -89.64441 , 21.17448 )		76 ( -89.67189 , 21.22475 )	
3 ( -89.65166 , 21.23175 )		40 ( -89.64606 , 21.17281 )		77 ( -89.67275 , 21.22354 )	
4 ( -89.64956 , 21.21910 )		41 ( -89.65090 , 21.17238 )		78 ( -89.67291 , 21.22220 )	
5 ( -89.64949 , 21.21870 )		42 ( -89.65194 , 21.18117 )		79 ( -89.67821 , 21.22210 )	
6 ( -89.65091 , 21.21852 )		43 ( -89.65235 , 21.18466 )		80 ( -89.67865 , 21.21830 )	
7 ( -89.65462 , 21.21806 )		44 ( -89.65259 , 21.18471 )		81 ( -89.67882 , 21.21691 )	
8 ( -89.65548 , 21.21796 )		45 ( -89.65279 , 21.18649 )		82 ( -89.67947 , 21.21699 )	
9 ( -89.65539 , 21.21673 )		46 ( -89.65338 , 21.18663 )		83 ( -89.68552 , 21.21772 )	
10 ( -89.65491 , 21.21014 )		47 ( -89.66267 , 21.18882 )		84 ( -89.68607 , 21.21348 )	
11 ( -89.64699 , 21.21055 )		48 ( -89.66600 , 21.18961 )		85 ( -89.68697 , 21.20658 )	
12 ( -89.64696 , 21.20861 )		49 ( -89.66632 , 21.18833 )		86 ( -89.69673 , 21.20777 )	
13 ( -89.63082 , 21.21232 )		50 ( -89.66964 , 21.18914 )		87 ( -89.70138 , 21.20828 )	
14 ( -89.61708 , 21.21549 )		51 ( -89.67687 , 21.19084 )		88 ( -89.70161 , 21.20648 )	
15 ( -89.61510 , 21.20859 )		52 ( -89.67698 , 21.18978 )		89 ( -89.70226 , 21.20137 )	
16 ( -89.61890 , 21.20759 )		53 ( -89.67712 , 21.18850 )		90 ( -89.70252 , 21.19930 )	
17 ( -89.62050 , 21.21328 )		54 ( -89.68123 , 21.18903 )		91 ( -89.70483 , 21.19955 )	
18 ( -89.63039 , 21.21071 )		55 ( -89.68106 , 21.19045 )		92 ( -89.70470 , 21.19788 )	
19 ( -89.62993 , 21.20913 )		56 ( -89.68055 , 21.19472 )		93 ( -89.69645 , 21.19709 )	
20 ( -89.62872 , 21.20498 )		57 ( -89.67930 , 21.19458 )		94 ( -89.69639 , 21.19675 )	
21 ( -89.62864 , 21.20469 )		58 ( -89.67785 , 21.20364 )		95 ( -89.69625 , 21.19585 )	
22 ( -89.63114 , 21.20373 )		59 ( -89.67702 , 21.20357 )		96 ( -89.69622 , 21.19564 )	
23 ( -89.63211 , 21.20336 )		60 ( -89.67521 , 21.20341 )		97 ( -89.69611 , 21.19496 )	
24 ( -89.65026 , 21.19671 )		61 ( -89.67524 , 21.20296 )		98 ( -89.69598 , 21.19414 )	
25 ( -89.64999 , 21.19528 )		62 ( -89.66100 , 21.20130 )		99 ( -89.69597 , 21.19407 )	
26 ( -89.65179 , 21.19504 )		63 ( -89.65500 , 21.20084 )		100 ( -89.69583 , 21.19318 )	
27 ( -89.65241 , 21.20058 )		64 ( -89.65436 , 21.20079 )		101 ( -89.69569 , 21.19228 )	
28 ( -89.65371 , 21.20039 )		65 ( -89.65452 , 21.20224 )		102 ( -89.69555 , 21.19139 )	
29 ( -89.65194 , 21.18502 )		66 ( -89.65463 , 21.20334 )		103 ( -89.69541 , 21.19050 )	
30 ( -89.64711 , 21.18472 )		67 ( -89.65502 , 21.20758 )		104 ( -89.69527 , 21.18960 )	
31 ( -89.64701 , 21.18358 )		68 ( -89.65504 , 21.20765 )		105 ( -89.69525 , 21.18944 )	
32 ( -89.64685 , 21.18171 )		69 ( -89.65554 , 21.21227 )		106 ( -89.69513 , 21.18871 )	
33 ( -89.64676 , 21.18071 )		70 ( -89.65582 , 21.21456 )		107 ( -89.69499 , 21.18782 )	
34 ( -89.64665 , 21.17941 )		71 ( -89.65647 , 21.21884 )		108 ( -89.69485 , 21.18692 )	
35 ( -89.64662 , 21.17907 )		72 ( -89.65669 , 21.22104 )		109 ( -89.69481 , 21.18662 )	
36 ( -89.64643 , 21.17713 )		73 ( -89.65692 , 21.22107 )		110 ( -89.69471 , 21.18603 )	
37 ( -89.64630 , 21.17579 )		74 ( -89.66516 , 21.22223 )		111 ( -89.69457 , 21.18514 )	



112 ( -89.69443 , 21.18424 )	121 ( -89.71311 , 21.21174 )	130 ( -89.65821 , 21.24625 )
113 ( -89.69429 , 21.18335 )	122 ( -89.71304 , 21.21175 )	131 ( -89.65747 , 21.23916 )
114 ( -89.71177 , 21.18567 )	123 ( -89.71046 , 21.21228 )	132 ( -89.65785 , 21.23897 )
115 ( -89.72045 , 21.18683 )	124 ( -89.70887 , 21.21261 )	133 ( -89.65784 , 21.23896 )
116 ( -89.72363 , 21.19851 )	125 ( -89.70283 , 21.21663 )	134 ( -89.65754 , 21.23668 )
117 ( -89.71691 , 21.19780 )	126 ( -89.69366 , 21.22271 )	135 ( -89.65709 , 21.23331 )
118 ( -89.71510 , 21.21133 )	127 ( -89.69037 , 21.22489 )	136 ( -89.65528 , 21.23329 )
119 ( -89.71510 , 21.21133 )	128 ( -89.67758 , 21.23339 )	
120 ( -89.71311 , 21.21174 )	129 ( -89.66998 , 21.23844 )	

## PRO17-SEL\_C3

x	y	x	y	x	y
1 ( -89.63164 , 21.20035 )		36 ( -89.53240 , 21.25305 )		71 ( -89.53640 , 21.21715 )	
2 ( -89.63126 , 21.20109 )		37 ( -89.53334 , 21.24381 )		72 ( -89.53700 , 21.21696 )	
3 ( -89.63211 , 21.20336 )		38 ( -89.53002 , 21.24198 )		73 ( -89.53752 , 21.21680 )	
4 ( -89.62864 , 21.20469 )		39 ( -89.51504 , 21.25058 )		74 ( -89.53953 , 21.21623 )	
5 ( -89.63039 , 21.21071 )		40 ( -89.51089 , 21.25078 )		75 ( -89.54156 , 21.21570 )	
6 ( -89.62050 , 21.21328 )		41 ( -89.51139 , 21.24957 )		76 ( -89.54228 , 21.21553 )	
7 ( -89.61890 , 21.20759 )		42 ( -89.51432 , 21.24264 )		77 ( -89.54331 , 21.21526 )	
8 ( -89.61510 , 21.20859 )		43 ( -89.51502 , 21.24096 )		78 ( -89.54432 , 21.21501 )	
9 ( -89.61708 , 21.21549 )		44 ( -89.51558 , 21.23963 )		79 ( -89.54461 , 21.21494 )	
10 ( -89.63082 , 21.21232 )		45 ( -89.51561 , 21.23923 )		80 ( -89.54648 , 21.21450 )	
11 ( -89.64696 , 21.20861 )		46 ( -89.51572 , 21.23733 )		81 ( -89.54660 , 21.21448 )	
12 ( -89.64699 , 21.21055 )		47 ( -89.51583 , 21.23553 )		82 ( -89.54836 , 21.21410 )	
13 ( -89.65491 , 21.21014 )		48 ( -89.51593 , 21.23389 )		83 ( -89.55024 , 21.21374 )	
14 ( -89.65548 , 21.21796 )		49 ( -89.51596 , 21.23338 )		84 ( -89.55367 , 21.21316 )	
15 ( -89.65539 , 21.21673 )		50 ( -89.51577 , 21.23113 )		85 ( -89.55383 , 21.21314 )	
16 ( -89.65462 , 21.21806 )		51 ( -89.51509 , 21.22768 )		86 ( -89.55389 , 21.21313 )	
17 ( -89.65091 , 21.21852 )		52 ( -89.51494 , 21.22531 )		87 ( -89.55541 , 21.21289 )	
18 ( -89.64949 , 21.21870 )		53 ( -89.51399 , 21.22305 )		88 ( -89.55694 , 21.21267 )	
19 ( -89.64956 , 21.21910 )		54 ( -89.51356 , 21.22238 )		89 ( -89.55764 , 21.21257 )	
20 ( -89.65166 , 21.23175 )		55 ( -89.51285 , 21.22128 )		90 ( -89.55837 , 21.21247 )	
21 ( -89.65525 , 21.23149 )		56 ( -89.51601 , 21.22197 )		91 ( -89.55956 , 21.21225 )	
22 ( -89.65528 , 21.23329 )		57 ( -89.52244 , 21.22339 )		92 ( -89.56100 , 21.21203 )	
23 ( -89.65709 , 21.23331 )		58 ( -89.52160 , 21.22099 )		93 ( -89.56184 , 21.21191 )	
24 ( -89.65754 , 21.23668 )		59 ( -89.52250 , 21.22084 )		94 ( -89.56263 , 21.21177 )	
25 ( -89.65784 , 21.23896 )		60 ( -89.52285 , 21.22078 )		95 ( -89.56304 , 21.21170 )	
26 ( -89.65785 , 21.23897 )		61 ( -89.52336 , 21.22069 )		96 ( -89.56367 , 21.21155 )	
27 ( -89.65747 , 21.23916 )		62 ( -89.52365 , 21.22065 )		97 ( -89.56400 , 21.21149 )	
28 ( -89.63916 , 21.24817 )		63 ( -89.52532 , 21.22036 )		98 ( -89.56561 , 21.21118 )	
29 ( -89.62549 , 21.24838 )		64 ( -89.52665 , 21.22015 )		99 ( -89.56722 , 21.21090 )	
30 ( -89.60998 , 21.25836 )		65 ( -89.52711 , 21.22006 )		100 ( -89.56791 , 21.21079 )	
31 ( -89.60434 , 21.25896 )		66 ( -89.52802 , 21.21991 )		101 ( -89.56942 , 21.21053 )	
32 ( -89.60005 , 21.25356 )		67 ( -89.52806 , 21.21990 )		102 ( -89.57078 , 21.21032 )	
33 ( -89.59330 , 21.25315 )		68 ( -89.52966 , 21.21931 )		103 ( -89.57213 , 21.21012 )	
34 ( -89.58231 , 21.26067 )		69 ( -89.53329 , 21.21807 )		104 ( -89.57294 , 21.21001 )	
35 ( -89.54750 , 21.26171 )		70 ( -89.53529 , 21.21746 )		105 ( -89.57362 , 21.20987 )	

106 ( -89.57568 , 21.20946 )	123 ( -89.59337 , 21.20653 )	140 ( -89.61435 , 21.20299 )
107 ( -89.57774 , 21.20910 )	124 ( -89.59465 , 21.20631 )	141 ( -89.61457 , 21.20294 )
108 ( -89.57969 , 21.20880 )	125 ( -89.59510 , 21.20623 )	142 ( -89.61663 , 21.20254 )
109 ( -89.58164 , 21.20853 )	126 ( -89.59569 , 21.20614 )	143 ( -89.61869 , 21.20217 )
110 ( -89.58359 , 21.20831 )	127 ( -89.59657 , 21.20594 )	144 ( -89.62064 , 21.20187 )
111 ( -89.58471 , 21.20820 )	128 ( -89.59895 , 21.20546 )	145 ( -89.62109 , 21.20180 )
112 ( -89.58476 , 21.20819 )	129 ( -89.60135 , 21.20503 )	146 ( -89.62139 , 21.20176 )
113 ( -89.58492 , 21.20816 )	130 ( -89.60358 , 21.20469 )	147 ( -89.62180 , 21.20170 )
114 ( -89.58537 , 21.20809 )	131 ( -89.60377 , 21.20466 )	148 ( -89.62406 , 21.20137 )
115 ( -89.58549 , 21.20807 )	132 ( -89.60513 , 21.20449 )	149 ( -89.62452 , 21.20131 )
116 ( -89.58678 , 21.20786 )	133 ( -89.60531 , 21.20446 )	150 ( -89.62474 , 21.20128 )
117 ( -89.58779 , 21.20771 )	134 ( -89.60673 , 21.20421 )	151 ( -89.62603 , 21.20112 )
118 ( -89.58789 , 21.20769 )	135 ( -89.60878 , 21.20389 )	152 ( -89.62721 , 21.20096 )
119 ( -89.58800 , 21.20767 )	136 ( -89.61083 , 21.20362 )	153 ( -89.62896 , 21.20074 )
120 ( -89.59166 , 21.20683 )	137 ( -89.61107 , 21.20359 )	154 ( -89.62974 , 21.20064 )
121 ( -89.59233 , 21.20671 )	138 ( -89.61160 , 21.20348 )	155 ( -89.63164 , 21.20035 )
122 ( -89.59299 , 21.20659 )	139 ( -89.61300 , 21.20322 )	

## PRO18-SEL\_API1

x	y	x	y	x	y
1 ( -89.69522 , 21.18925 )		28 ( -89.65338 , 21.18663 )		55 ( -89.64877 , 21.15732 )	
2 ( -89.69416 , 21.18944 )		29 ( -89.65279 , 21.18649 )		56 ( -89.64951 , 21.15741 )	
3 ( -89.69299 , 21.18968 )		30 ( -89.65259 , 21.18471 )		57 ( -89.64956 , 21.15742 )	
4 ( -89.69247 , 21.18976 )		31 ( -89.65235 , 21.18466 )		58 ( -89.65310 , 21.15784 )	
5 ( -89.69223 , 21.18980 )		32 ( -89.65090 , 21.17238 )		59 ( -89.65321 , 21.15675 )	
6 ( -89.69215 , 21.18981 )		33 ( -89.64606 , 21.17281 )		60 ( -89.65321 , 21.15673 )	
7 ( -89.69168 , 21.18989 )		34 ( -89.64441 , 21.17448 )		61 ( -89.65322 , 21.15670 )	
8 ( -89.69150 , 21.18992 )		35 ( -89.64445 , 21.17407 )		62 ( -89.65323 , 21.15662 )	
9 ( -89.69079 , 21.19003 )		36 ( -89.64456 , 21.17316 )		63 ( -89.66045 , 21.15603 )	
10 ( -89.68872 , 21.19040 )		37 ( -89.64465 , 21.17245 )		64 ( -89.66033 , 21.15173 )	
11 ( -89.68756 , 21.19062 )		38 ( -89.64477 , 21.17147 )		65 ( -89.66032 , 21.15169 )	
12 ( -89.68693 , 21.19073 )		39 ( -89.64488 , 21.17056 )		66 ( -89.65998 , 21.15168 )	
13 ( -89.68547 , 21.19101 )		40 ( -89.64492 , 21.17021 )		67 ( -89.65389 , 21.15066 )	
14 ( -89.68481 , 21.19107 )		41 ( -89.64505 , 21.16914 )		68 ( -89.65396 , 21.15011 )	
15 ( -89.68473 , 21.19108 )		42 ( -89.64512 , 21.16860 )		69 ( -89.65401 , 21.14969 )	
16 ( -89.68418 , 21.19112 )		43 ( -89.64541 , 21.16621 )		70 ( -89.65404 , 21.14946 )	
17 ( -89.68209 , 21.19132 )		44 ( -89.64987 , 21.16603 )		71 ( -89.65406 , 21.14927 )	
18 ( -89.68094 , 21.19145 )		45 ( -89.64996 , 21.16602 )		72 ( -89.65414 , 21.14870 )	
19 ( -89.68106 , 21.19045 )		46 ( -89.65002 , 21.16602 )		73 ( -89.65419 , 21.14824 )	
20 ( -89.68123 , 21.18903 )		47 ( -89.65008 , 21.16601 )		74 ( -89.65424 , 21.14788 )	
21 ( -89.67712 , 21.18850 )		48 ( -89.65014 , 21.16601 )		75 ( -89.65433 , 21.14715 )	
22 ( -89.67698 , 21.18978 )		49 ( -89.65019 , 21.16601 )		76 ( -89.65440 , 21.14660 )	
23 ( -89.67687 , 21.19084 )		50 ( -89.65027 , 21.16600 )		77 ( -89.65447 , 21.14604 )	
24 ( -89.66964 , 21.18914 )		51 ( -89.65029 , 21.16600 )		78 ( -89.65454 , 21.14548 )	
25 ( -89.66632 , 21.18833 )		52 ( -89.65032 , 21.16600 )		79 ( -89.65461 , 21.14493 )	
26 ( -89.66600 , 21.18961 )		53 ( -89.64943 , 21.16111 )		80 ( -89.65467 , 21.14442 )	
27 ( -89.66267 , 21.18882 )		54 ( -89.64937 , 21.16069 )		81 ( -89.65491 , 21.14420 )	

82 ( -89.65543 , 21.14373 )	101 ( -89.67879 , 21.15029 )	120 ( -89.71684 , 21.17019 )
83 ( -89.65721 , 21.14214 )	102 ( -89.67958 , 21.15038 )	121 ( -89.72039 , 21.18352 )
84 ( -89.66007 , 21.14263 )	103 ( -89.68037 , 21.15047 )	122 ( -89.71743 , 21.18433 )
85 ( -89.66011 , 21.14401 )	104 ( -89.68119 , 21.15056 )	123 ( -89.71540 , 21.18482 )
86 ( -89.66013 , 21.14483 )	105 ( -89.68206 , 21.15066 )	124 ( -89.71503 , 21.18491 )
87 ( -89.66015 , 21.14556 )	106 ( -89.68162 , 21.15419 )	125 ( -89.71380 , 21.18521 )
88 ( -89.66015 , 21.14574 )	107 ( -89.68162 , 21.15424 )	126 ( -89.71376 , 21.18522 )
89 ( -89.66660 , 21.14514 )	108 ( -89.68161 , 21.15426 )	127 ( -89.71258 , 21.18553 )
90 ( -89.66669 , 21.14513 )	109 ( -89.68161 , 21.15428 )	128 ( -89.71177 , 21.18567 )
91 ( -89.66733 , 21.14771 )	110 ( -89.68160 , 21.15435 )	129 ( -89.69429 , 21.18335 )
92 ( -89.66767 , 21.14909 )	111 ( -89.68086 , 21.16034 )	130 ( -89.69443 , 21.18424 )
93 ( -89.67217 , 21.14953 )	112 ( -89.67996 , 21.16752 )	131 ( -89.69457 , 21.18514 )
94 ( -89.67286 , 21.14961 )	113 ( -89.69448 , 21.16915 )	132 ( -89.69471 , 21.18603 )
95 ( -89.67356 , 21.14969 )	114 ( -89.70211 , 21.17005 )	133 ( -89.69481 , 21.18662 )
96 ( -89.67489 , 21.14984 )	115 ( -89.70292 , 21.16329 )	134 ( -89.69485 , 21.18692 )
97 ( -89.67570 , 21.14993 )	116 ( -89.70340 , 21.15933 )	135 ( -89.69499 , 21.18782 )
98 ( -89.67646 , 21.15002 )	117 ( -89.70736 , 21.15973 )	136 ( -89.69513 , 21.18871 )
99 ( -89.67724 , 21.15011 )	118 ( -89.70774 , 21.15656 )	137 ( -89.69522 , 21.18925 )
100 ( -89.67802 , 21.15020 )	119 ( -89.71438 , 21.16058 )	

## PRO20-SEL\_C3

x	y	x	y	x	y
1 ( -89.68094 , 21.19145 )		32 ( -89.70470 , 21.19788 )		63 ( -89.66770 , 21.21373 )	
2 ( -89.68209 , 21.19132 )		33 ( -89.70483 , 21.19955 )		64 ( -89.66780 , 21.21325 )	
3 ( -89.68418 , 21.19112 )		34 ( -89.70252 , 21.19930 )		65 ( -89.66783 , 21.21270 )	
4 ( -89.68473 , 21.19108 )		35 ( -89.70226 , 21.20137 )		66 ( -89.66786 , 21.21222 )	
5 ( -89.68481 , 21.19107 )		36 ( -89.70161 , 21.20648 )		67 ( -89.66808 , 21.20862 )	
6 ( -89.68547 , 21.19101 )		37 ( -89.70138 , 21.20828 )		68 ( -89.66453 , 21.20844 )	
7 ( -89.68693 , 21.19073 )		38 ( -89.69673 , 21.20777 )		69 ( -89.66460 , 21.20747 )	
8 ( -89.68756 , 21.19062 )		39 ( -89.68697 , 21.20658 )		70 ( -89.66518 , 21.20750 )	
9 ( -89.68872 , 21.19040 )		40 ( -89.68607 , 21.21348 )		71 ( -89.66543 , 21.20589 )	
10 ( -89.69079 , 21.19003 )		41 ( -89.68552 , 21.21772 )		72 ( -89.66487 , 21.20584 )	
11 ( -89.69150 , 21.18992 )		42 ( -89.67947 , 21.21699 )		73 ( -89.66519 , 21.20379 )	
12 ( -89.69168 , 21.18989 )		43 ( -89.67882 , 21.21691 )		74 ( -89.66157 , 21.20342 )	
13 ( -89.69215 , 21.18981 )		44 ( -89.67865 , 21.21830 )		75 ( -89.66169 , 21.20634 )	
14 ( -89.69223 , 21.18980 )		45 ( -89.67821 , 21.22210 )		76 ( -89.65595 , 21.20694 )	
15 ( -89.69247 , 21.18976 )		46 ( -89.67291 , 21.22220 )		77 ( -89.65601 , 21.20756 )	
16 ( -89.69299 , 21.18968 )		47 ( -89.67275 , 21.22354 )		78 ( -89.65504 , 21.20765 )	
17 ( -89.69416 , 21.18944 )		48 ( -89.67189 , 21.22475 )		79 ( -89.65502 , 21.20758 )	
18 ( -89.69522 , 21.18925 )		49 ( -89.66491 , 21.22397 )		80 ( -89.65463 , 21.20334 )	
19 ( -89.69525 , 21.18944 )		50 ( -89.66516 , 21.22223 )		81 ( -89.65452 , 21.20224 )	
20 ( -89.69527 , 21.18960 )		51 ( -89.65692 , 21.22107 )		82 ( -89.65436 , 21.20079 )	
21 ( -89.69541 , 21.19050 )		52 ( -89.65669 , 21.22104 )		83 ( -89.65500 , 21.20084 )	
22 ( -89.69555 , 21.19139 )		53 ( -89.65647 , 21.21884 )		84 ( -89.66100 , 21.20130 )	
23 ( -89.69569 , 21.19228 )		54 ( -89.65582 , 21.21456 )		85 ( -89.67524 , 21.20296 )	
24 ( -89.69583 , 21.19318 )		55 ( -89.65624 , 21.21455 )		86 ( -89.67521 , 21.20341 )	
25 ( -89.69597 , 21.19407 )		56 ( -89.65635 , 21.21455 )		87 ( -89.67702 , 21.20357 )	
26 ( -89.69598 , 21.19414 )		57 ( -89.65662 , 21.21675 )		88 ( -89.67785 , 21.20364 )	
27 ( -89.69611 , 21.19496 )		58 ( -89.65748 , 21.21674 )		89 ( -89.67930 , 21.19458 )	
28 ( -89.69622 , 21.19564 )		59 ( -89.65753 , 21.21867 )		90 ( -89.68055 , 21.19472 )	
29 ( -89.69625 , 21.19585 )		60 ( -89.66283 , 21.21803 )		91 ( -89.68094 , 21.19145 )	
30 ( -89.69639 , 21.19675 )		61 ( -89.66274 , 21.21403 )			
31 ( -89.69645 , 21.19709 )		62 ( -89.66272 , 21.21317 )			

**IXIL**  
**IXI02-MAN\_ANP**

	x	y		x	y		x	y
1	( -89.67128 ,	21.27437 )	29	( -89.46636 ,	21.30190 )	57	( -89.49787 ,	21.31424 )
2	( -89.67413 ,	21.27411 )	30	( -89.46633 ,	21.30055 )	58	( -89.49753 ,	21.31426 )
3	( -89.67581 ,	21.27529 )	31	( -89.46730 ,	21.30053 )	59	( -89.49742 ,	21.31427 )
4	( -89.67598 ,	21.27634 )	32	( -89.46813 ,	21.30120 )	60	( -89.49717 ,	21.31428 )
5	( -89.67511 ,	21.27635 )	33	( -89.47208 ,	21.29856 )	61	( -89.49701 ,	21.31430 )
6	( -89.67457 ,	21.27675 )	34	( -89.47497 ,	21.29839 )	62	( -89.49669 ,	21.31432 )
7	( -89.67437 ,	21.27689 )	35	( -89.48117 ,	21.29446 )	63	( -89.49665 ,	21.31432 )
8	( -89.66752 ,	21.27683 )	36	( -89.48114 ,	21.29310 )	64	( -89.49639 ,	21.31433 )
9	( -89.66752 ,	21.27683 )	37	( -89.48306 ,	21.29262 )	65	( -89.49622 ,	21.31435 )
10	( -89.66786 ,	21.27661 )	38	( -89.48351 ,	21.29036 )	66	( -89.49615 ,	21.31435 )
11	( -89.66861 ,	21.27612 )	39	( -89.48518 ,	21.28988 )	67	( -89.48648 ,	21.31496 )
12	( -89.66868 ,	21.27607 )	40	( -89.48619 ,	21.29235 )	68	( -89.45488 ,	21.31923 )
13	( -89.67128 ,	21.27437 )	41	( -89.49028 ,	21.29229 )	69	( -89.45311 ,	21.31932 )
14	( -89.41448 ,	21.31300 )	42	( -89.49724 ,	21.29061 )	70	( -89.44648 ,	21.31964 )
15	( -89.41453 ,	21.31226 )	43	( -89.49869 ,	21.29420 )	71	( -89.44145 ,	21.31988 )
16	( -89.41473 ,	21.31041 )	44	( -89.49869 ,	21.29421 )	72	( -89.43671 ,	21.32011 )
17	( -89.41477 ,	21.31002 )	45	( -89.49869 ,	21.29420 )	73	( -89.43393 ,	21.32024 )
18	( -89.41798 ,	21.31042 )	46	( -89.50107 ,	21.29284 )	74	( -89.42827 ,	21.32051 )
19	( -89.42658 ,	21.31151 )	47	( -89.50160 ,	21.31219 )	75	( -89.42607 ,	21.32062 )
20	( -89.42661 ,	21.31151 )	48	( -89.50163 ,	21.31290 )	76	( -89.42475 ,	21.32068 )
21	( -89.43465 ,	21.31263 )	49	( -89.50169 ,	21.31400 )	77	( -89.42139 ,	21.32085 )
22	( -89.43489 ,	21.31050 )	50	( -89.50169 ,	21.31400 )	78	( -89.42052 ,	21.32089 )
23	( -89.44360 ,	21.30978 )	51	( -89.49840 ,	21.31421 )	79	( -89.42035 ,	21.32090 )
24	( -89.45219 ,	21.30482 )	52	( -89.49838 ,	21.31421 )	80	( -89.41828 ,	21.32156 )
25	( -89.45072 ,	21.30303 )	53	( -89.49825 ,	21.31422 )	81	( -89.41721 ,	21.32190 )
26	( -89.45191 ,	21.30256 )	54	( -89.49821 ,	21.31422 )	82	( -89.41527 ,	21.32253 )
27	( -89.45892 ,	21.30381 )	55	( -89.49815 ,	21.31422 )	83	( -89.41377 ,	21.32301 )
28	( -89.46111 ,	21.30514 )	56	( -89.49791 ,	21.31424 )	84	( -89.41448 ,	21.31300 )

**DZEMUL**  
**DZE01-BAR\_C3-R**

	x	y		x	y		x	y
1	( -89.36030 ,	21.33429 )	40	( -89.43758 ,	21.32465 )	79	( -89.39098 ,	21.33149 )
2	( -89.35997 ,	21.33017 )	41	( -89.43554 ,	21.32476 )	80	( -89.39065 ,	21.33150 )
3	( -89.35994 ,	21.32971 )	42	( -89.43300 ,	21.32495 )	81	( -89.39023 ,	21.33149 )
4	( -89.36823 ,	21.32810 )	43	( -89.42935 ,	21.32553 )	82	( -89.38919 ,	21.33156 )
5	( -89.40069 ,	21.32721 )	44	( -89.42809 ,	21.32560 )	83	( -89.38882 ,	21.33165 )
6	( -89.41377 ,	21.32301 )	45	( -89.42705 ,	21.32562 )	84	( -89.38681 ,	21.33177 )
7	( -89.41527 ,	21.32253 )	46	( -89.42446 ,	21.32596 )	85	( -89.38465 ,	21.33190 )
8	( -89.41721 ,	21.32190 )	47	( -89.42180 ,	21.32632 )	86	( -89.38349 ,	21.33208 )
9	( -89.41828 ,	21.32156 )	48	( -89.41873 ,	21.32659 )	87	( -89.38239 ,	21.33217 )
10	( -89.42035 ,	21.32090 )	49	( -89.41501 ,	21.32703 )	88	( -89.38193 ,	21.33223 )
11	( -89.42052 ,	21.32089 )	50	( -89.41298 ,	21.32732 )	89	( -89.38155 ,	21.33224 )
12	( -89.42139 ,	21.32085 )	51	( -89.41173 ,	21.32754 )	90	( -89.38061 ,	21.33237 )
13	( -89.42475 ,	21.32068 )	52	( -89.41066 ,	21.32772 )	91	( -89.37953 ,	21.33250 )
14	( -89.42607 ,	21.32062 )	53	( -89.41013 ,	21.32787 )	92	( -89.37881 ,	21.33262 )
15	( -89.42827 ,	21.32051 )	54	( -89.40954 ,	21.32801 )	93	( -89.37787 ,	21.33271 )
16	( -89.43393 ,	21.32024 )	55	( -89.40872 ,	21.32822 )	94	( -89.37743 ,	21.33285 )
17	( -89.43671 ,	21.32011 )	56	( -89.40739 ,	21.32839 )	95	( -89.37674 ,	21.33285 )
18	( -89.44145 ,	21.31988 )	57	( -89.40671 ,	21.32860 )	96	( -89.37552 ,	21.33299 )
19	( -89.44648 ,	21.31964 )	58	( -89.40597 ,	21.32872 )	97	( -89.37461 ,	21.33301 )
20	( -89.45311 ,	21.31932 )	59	( -89.40509 ,	21.32888 )	98	( -89.37353 ,	21.33318 )
21	( -89.45312 ,	21.31944 )	60	( -89.40459 ,	21.32911 )	99	( -89.37262 ,	21.33323 )
22	( -89.45312 ,	21.31946 )	61	( -89.40380 ,	21.32924 )	100	( -89.37205 ,	21.33326 )
23	( -89.45323 ,	21.32023 )	62	( -89.40307 ,	21.32950 )	101	( -89.37082 ,	21.33329 )
24	( -89.45326 ,	21.32073 )	63	( -89.40193 ,	21.32996 )	102	( -89.37059 ,	21.33333 )
25	( -89.45331 ,	21.32148 )	64	( -89.40054 ,	21.33033 )	103	( -89.36977 ,	21.33336 )
26	( -89.45333 ,	21.32234 )	65	( -89.39991 ,	21.33054 )	104	( -89.36916 ,	21.33349 )
27	( -89.45294 ,	21.32241 )	66	( -89.39952 ,	21.33061 )	105	( -89.36884 ,	21.33351 )
28	( -89.45260 ,	21.32263 )	67	( -89.39912 ,	21.33072 )	106	( -89.36775 ,	21.33368 )
29	( -89.45151 ,	21.32274 )	68	( -89.39856 ,	21.33079 )	107	( -89.36712 ,	21.33369 )
30	( -89.45006 ,	21.32291 )	69	( -89.39788 ,	21.33084 )	108	( -89.36663 ,	21.33384 )
31	( -89.44879 ,	21.32313 )	70	( -89.39725 ,	21.33083 )	109	( -89.36627 ,	21.33382 )
32	( -89.44759 ,	21.32329 )	71	( -89.39598 ,	21.33107 )	110	( -89.36565 ,	21.33387 )
33	( -89.44559 ,	21.32349 )	72	( -89.39536 ,	21.33118 )	111	( -89.36456 ,	21.33395 )
34	( -89.44449 ,	21.32371 )	73	( -89.39478 ,	21.33119 )	112	( -89.36371 ,	21.33389 )
35	( -89.44338 ,	21.32386 )	74	( -89.39417 ,	21.33127 )	113	( -89.36304 ,	21.33397 )
36	( -89.44247 ,	21.32420 )	75	( -89.39323 ,	21.33124 )	114	( -89.36224 ,	21.33416 )
37	( -89.44100 ,	21.32435 )	76	( -89.39261 ,	21.33128 )	115	( -89.36055 ,	21.33426 )
38	( -89.44011 ,	21.32448 )	77	( -89.39217 ,	21.33136 )	116	( -89.36030 ,	21.33429 )
39	( -89.43863 ,	21.32462 )	78	( -89.39160 ,	21.33148 )			

**TELCHAC PUERTO****TEL01-BAR\_AP1-R**

	x	y		x	y		x	y
1	( -89.30855 ,	21.33502 )	12	( -89.32013 ,	21.33876 )	23	( -89.31055 ,	21.33952 )
2	( -89.30855 ,	21.33502 )	13	( -89.31813 ,	21.33879 )	24	( -89.31008 ,	21.33955 )
3	( -89.31458 ,	21.33386 )	14	( -89.31700 ,	21.33910 )	25	( -89.30946 ,	21.33862 )
4	( -89.31722 ,	21.33402 )	15	( -89.31603 ,	21.33916 )	26	( -89.30938 ,	21.33644 )
5	( -89.32356 ,	21.33525 )	16	( -89.31345 ,	21.33977 )	27	( -89.30968 ,	21.33616 )
6	( -89.32691 ,	21.33462 )	17	( -89.31240 ,	21.34008 )	28	( -89.31711 ,	21.33621 )
7	( -89.32704 ,	21.33489 )	18	( -89.31193 ,	21.34038 )	29	( -89.31796 ,	21.33642 )
8	( -89.32746 ,	21.33797 )	19	( -89.31140 ,	21.34051 )	30	( -89.32126 ,	21.33593 )
9	( -89.32352 ,	21.33856 )	20	( -89.31082 ,	21.34070 )	31	( -89.32140 ,	21.33525 )
10	( -89.32277 ,	21.33862 )	21	( -89.31065 ,	21.34076 )	32	( -89.31595 ,	21.33462 )
11	( -89.32161 ,	21.33864 )	22	( -89.31058 ,	21.33990 )	33	( -89.30855 ,	21.33502 )

**TEL02-BAR\_PORT**

	x	y		x	y		x	y
1	( -89.30866 ,	21.34165 )	14	( -89.30857 ,	21.33950 )	27	( -89.31055 ,	21.33952 )
2	( -89.30857 ,	21.34067 )	15	( -89.30856 ,	21.33589 )	28	( -89.31058 ,	21.33990 )
3	( -89.30834 ,	21.34069 )	16	( -89.30856 ,	21.33589 )	29	( -89.31065 ,	21.34076 )
4	( -89.30838 ,	21.34117 )	17	( -89.30855 ,	21.33502 )	30	( -89.31074 ,	21.34181 )
5	( -89.30712 ,	21.34124 )	18	( -89.31595 ,	21.33462 )	31	( -89.31329 ,	21.34412 )
6	( -89.30702 ,	21.34078 )	19	( -89.32140 ,	21.33525 )	32	( -89.30982 ,	21.34782 )
7	( -89.30445 ,	21.34097 )	20	( -89.32126 ,	21.33593 )	33	( -89.30638 ,	21.34499 )
8	( -89.30378 ,	21.34062 )	21	( -89.31796 ,	21.33642 )	34	( -89.30356 ,	21.34483 )
9	( -89.30380 ,	21.33969 )	22	( -89.31711 ,	21.33621 )	35	( -89.30366 ,	21.34348 )
10	( -89.30474 ,	21.33971 )	23	( -89.30968 ,	21.33616 )	36	( -89.30374 ,	21.34254 )
11	( -89.30505 ,	21.34003 )	24	( -89.30938 ,	21.33644 )	37	( -89.30375 ,	21.34237 )
12	( -89.30698 ,	21.33988 )	25	( -89.30946 ,	21.33862 )	38	( -89.30380 ,	21.34179 )
13	( -89.30697 ,	21.33966 )	26	( -89.31008 ,	21.33955 )	39	( -89.30866 ,	21.34165 )

**TEL03-BAR\_AP1**

	x	y		x	y		x	y
1	( -89.29198 ,	21.34219 )	13	( -89.30857 ,	21.33950 )	25	( -89.30857 ,	21.34067 )
2	( -89.29187 ,	21.34044 )	14	( -89.30697 ,	21.33966 )	26	( -89.30866 ,	21.34165 )
3	( -89.29168 ,	21.34035 )	15	( -89.30698 ,	21.33988 )	27	( -89.30380 ,	21.34179 )
4	( -89.29135 ,	21.34018 )	16	( -89.30505 ,	21.34003 )	28	( -89.30375 ,	21.34237 )
5	( -89.29068 ,	21.33986 )	17	( -89.30474 ,	21.33971 )	29	( -89.30374 ,	21.34254 )
6	( -89.28251 ,	21.34022 )	18	( -89.30380 ,	21.33969 )	30	( -89.29989 ,	21.34244 )
7	( -89.27453 ,	21.34058 )	19	( -89.30378 ,	21.34062 )	31	( -89.29818 ,	21.34237 )
8	( -89.27262 ,	21.33763 )	20	( -89.30445 ,	21.34097 )	32	( -89.29512 ,	21.34232 )
9	( -89.28300 ,	21.33713 )	21	( -89.30702 ,	21.34078 )	33	( -89.29197 ,	21.34225 )
10	( -89.28471 ,	21.33704 )	22	( -89.30712 ,	21.34124 )	34	( -89.29198 ,	21.34219 )
11	( -89.29814 ,	21.33639 )	23	( -89.30838 ,	21.34117 )			
12	( -89.30856 ,	21.33589 )	24	( -89.30834 ,	21.34069 )			

## TEL04-BAR\_URB

	x	y		x	y		x	y
1	( -89.25294 ,	21.34247 )	15	( -89.29197 ,	21.34225 )	29	( -89.25758 ,	21.34458 )
2	( -89.25148 ,	21.34037 )	16	( -89.29132 ,	21.34224 )	30	( -89.25584 ,	21.34478 )
3	( -89.25148 ,	21.34037 )	17	( -89.28873 ,	21.34218 )	31	( -89.25287 ,	21.34506 )
4	( -89.26260 ,	21.33893 )	18	( -89.28506 ,	21.34224 )	32	( -89.25192 ,	21.34514 )
5	( -89.26274 ,	21.33891 )	19	( -89.28153 ,	21.34246 )	33	( -89.24965 ,	21.34539 )
6	( -89.27261 ,	21.33763 )	20	( -89.27818 ,	21.34283 )	34	( -89.24773 ,	21.34559 )
7	( -89.27262 ,	21.33763 )	21	( -89.27544 ,	21.34301 )	35	( -89.24653 ,	21.34576 )
8	( -89.27453 ,	21.34058 )	22	( -89.27359 ,	21.34323 )	36	( -89.24649 ,	21.34571 )
9	( -89.28251 ,	21.34022 )	23	( -89.26923 ,	21.34367 )	37	( -89.24557 ,	21.34382 )
10	( -89.29068 ,	21.33986 )	24	( -89.26811 ,	21.34378 )	38	( -89.24535 ,	21.34338 )
11	( -89.29135 ,	21.34018 )	25	( -89.26650 ,	21.34390 )	39	( -89.25229 ,	21.34255 )
12	( -89.29168 ,	21.34035 )	26	( -89.26328 ,	21.34415 )	40	( -89.25294 ,	21.34247 )
13	( -89.29187 ,	21.34044 )	27	( -89.26034 ,	21.34428 )			
14	( -89.29198 ,	21.34219 )	28	( -89.25801 ,	21.34450 )			

## TEL05-BAR\_API

	x	y		x	y		x	y
1	( -89.25129 ,	21.34040 )	11	( -89.24549 ,	21.34589 )	21	( -89.22615 ,	21.34624 )
2	( -89.25148 ,	21.34037 )	12	( -89.24530 ,	21.34591 )	22	( -89.22623 ,	21.34544 )
3	( -89.25148 ,	21.34037 )	13	( -89.24378 ,	21.34610 )	23	( -89.22624 ,	21.34534 )
4	( -89.25294 ,	21.34247 )	14	( -89.24133 ,	21.34632 )	24	( -89.22878 ,	21.34506 )
5	( -89.25229 ,	21.34255 )	15	( -89.23657 ,	21.34687 )	25	( -89.24073 ,	21.34375 )
6	( -89.24535 ,	21.34338 )	16	( -89.23144 ,	21.34758 )	26	( -89.24353 ,	21.34203 )
7	( -89.24557 ,	21.34382 )	17	( -89.22902 ,	21.34784 )	27	( -89.24880 ,	21.34092 )
8	( -89.24649 ,	21.34571 )	18	( -89.22902 ,	21.34784 )	28	( -89.24984 ,	21.34070 )
9	( -89.24653 ,	21.34576 )	19	( -89.22835 ,	21.34792 )	29	( -89.25129 ,	21.34040 )
10	( -89.24616 ,	21.34580 )	20	( -89.22589 ,	21.34820 )			

## TEL06-LAG\_ANP

	x	y		x	y		x	y
1	( -89.32186 ,	21.32428 )	9	( -89.30004 ,	21.33630 )	17	( -89.30975 ,	21.32938 )
2	( -89.32625 ,	21.33327 )	10	( -89.29926 ,	21.33591 )	18	( -89.31183 ,	21.32825 )
3	( -89.32691 ,	21.33462 )	11	( -89.29845 ,	21.33550 )	19	( -89.31387 ,	21.32791 )
4	( -89.32356 ,	21.33525 )	12	( -89.29915 ,	21.33231 )	20	( -89.31493 ,	21.32820 )
5	( -89.31722 ,	21.33402 )	13	( -89.30237 ,	21.32897 )	21	( -89.32105 ,	21.32569 )
6	( -89.31458 ,	21.33386 )	14	( -89.30341 ,	21.32860 )	22	( -89.32178 ,	21.32430 )
7	( -89.30855 ,	21.33502 )	15	( -89.30509 ,	21.32865 )	23	( -89.32186 ,	21.32428 )
8	( -89.30856 ,	21.33589 )	16	( -89.30648 ,	21.32942 )			

## TEL07-MAN\_ANP

	x	y		x	y		x	y
1	( -89.32186 ,	21.32428 )	16	( -89.29814 ,	21.33639 )	31	( -89.25890 ,	21.33318 )
2	( -89.32178 ,	21.32430 )	17	( -89.27262 ,	21.33763 )	32	( -89.26070 ,	21.33188 )
3	( -89.32105 ,	21.32569 )	18	( -89.26274 ,	21.33891 )	33	( -89.26636 ,	21.32909 )
4	( -89.31493 ,	21.32820 )	19	( -89.26260 ,	21.33893 )	34	( -89.27740 ,	21.32624 )
5	( -89.31387 ,	21.32791 )	20	( -89.25129 ,	21.34040 )	35	( -89.29013 ,	21.32403 )
6	( -89.31183 ,	21.32825 )	21	( -89.24353 ,	21.34203 )	36	( -89.29163 ,	21.32717 )
7	( -89.30975 ,	21.32938 )	22	( -89.24073 ,	21.34375 )	37	( -89.29809 ,	21.32460 )
8	( -89.30648 ,	21.32942 )	23	( -89.22624 ,	21.34534 )	38	( -89.30051 ,	21.32524 )
9	( -89.30509 ,	21.32865 )	24	( -89.22644 ,	21.34380 )	39	( -89.30983 ,	21.32015 )
10	( -89.30341 ,	21.32860 )	25	( -89.22696 ,	21.33954 )	40	( -89.32201 ,	21.31637 )
11	( -89.30237 ,	21.32897 )	26	( -89.22721 ,	21.33758 )	41	( -89.32125 ,	21.32154 )
12	( -89.29915 ,	21.33231 )	27	( -89.24117 ,	21.33666 )	42	( -89.32108 ,	21.32267 )
13	( -89.29845 ,	21.33550 )	28	( -89.24093 ,	21.33485 )	43	( -89.32186 ,	21.32428 )
14	( -89.29926 ,	21.33591 )	29	( -89.24958 ,	21.33465 )			
15	( -89.30004 ,	21.33630 )	30	( -89.25107 ,	21.33521 )			

## TEL08-SAB\_ANP

	x	y		x	y		x	y
1	( -89.32201 ,	21.31637 )	10	( -89.25890 ,	21.33318 )	19	( -89.24957 ,	21.33189 )
2	( -89.30983 ,	21.32015 )	11	( -89.25107 ,	21.33521 )	20	( -89.27027 ,	21.32401 )
3	( -89.30051 ,	21.32524 )	12	( -89.24958 ,	21.33465 )	21	( -89.28128 ,	21.31983 )
4	( -89.29809 ,	21.32460 )	13	( -89.24093 ,	21.33485 )	22	( -89.30295 ,	21.31662 )
5	( -89.29163 ,	21.32717 )	14	( -89.24117 ,	21.33666 )	23	( -89.32192 ,	21.31188 )
6	( -89.29013 ,	21.32403 )	15	( -89.22721 ,	21.33758 )	24	( -89.32263 ,	21.31161 )
7	( -89.27740 ,	21.32624 )	16	( -89.22729 ,	21.33696 )	25	( -89.32223 ,	21.31490 )
8	( -89.26636 ,	21.32909 )	17	( -89.22765 ,	21.33394 )	26	( -89.32201 ,	21.31637 )
9	( -89.26070 ,	21.33188 )	18	( -89.22775 ,	21.33304 )			

## TEL09-SEL\_C3

	x	y		x	y		x	y
1	( -89.29731 ,	21.31222 )	9	( -89.28760 ,	21.28187 )	17	( -89.31922 ,	21.29151 )
2	( -89.29631 ,	21.29126 )	10	( -89.28768 ,	21.27624 )	18	( -89.32497 ,	21.29222 )
3	( -89.29020 ,	21.29113 )	11	( -89.29154 ,	21.27659 )	19	( -89.32263 ,	21.31161 )
4	( -89.28963 ,	21.29682 )	12	( -89.29146 ,	21.27756 )	20	( -89.32192 ,	21.31188 )
5	( -89.28739 ,	21.29626 )	13	( -89.29725 ,	21.27823 )	21	( -89.31490 ,	21.31363 )
6	( -89.28792 ,	21.28945 )	14	( -89.29880 ,	21.27841 )	22	( -89.30202 ,	21.31260 )
7	( -89.28750 ,	21.28888 )	15	( -89.31715 ,	21.27875 )	23	( -89.29731 ,	21.31222 )
8	( -89.28824 ,	21.28259 )	16	( -89.32079 ,	21.27903 )			



## TEL10-SEL\_C2

	x	y		x	y		x	y
1	( -89.26328 ,	21.30973 )	15	( -89.26602 ,	21.27490 )	29	( -89.29631 ,	21.29126 )
2	( -89.26397 ,	21.30017 )	16	( -89.26614 ,	21.27493 )	30	( -89.29731 ,	21.31222 )
3	( -89.26399 ,	21.30017 )	17	( -89.26617 ,	21.27450 )	31	( -89.30202 ,	21.31260 )
4	( -89.26540 ,	21.28313 )	18	( -89.27378 ,	21.27511 )	32	( -89.31490 ,	21.31363 )
5	( -89.26562 ,	21.28315 )	19	( -89.27502 ,	21.27521 )	33	( -89.30295 ,	21.31662 )
6	( -89.26562 ,	21.28311 )	20	( -89.28705 ,	21.27618 )	34	( -89.30105 ,	21.31691 )
7	( -89.26573 ,	21.28188 )	21	( -89.28768 ,	21.27624 )	35	( -89.29756 ,	21.31742 )
8	( -89.26584 ,	21.28073 )	22	( -89.28760 ,	21.28187 )	36	( -89.28128 ,	21.31983 )
9	( -89.26586 ,	21.27998 )	23	( -89.28824 ,	21.28259 )	37	( -89.27027 ,	21.32401 )
10	( -89.26588 ,	21.27948 )	24	( -89.28750 ,	21.28888 )	38	( -89.26772 ,	21.32499 )
11	( -89.26592 ,	21.27808 )	25	( -89.28792 ,	21.28945 )	39	( -89.26767 ,	21.32212 )
12	( -89.26593 ,	21.27769 )	26	( -89.28739 ,	21.29626 )	40	( -89.26758 ,	21.31682 )
13	( -89.26595 ,	21.27701 )	27	( -89.28963 ,	21.29682 )	41	( -89.26328 ,	21.30973 )
14	( -89.26600 ,	21.27541 )	28	( -89.29020 ,	21.29113 )			

## TEL11-SEL\_C3

	x	y		x	y		x	y
1	( -89.26767 ,	21.32212 )	10	( -89.22869 ,	21.32486 )	19	( -89.24302 ,	21.30725 )
2	( -89.26772 ,	21.32499 )	11	( -89.22893 ,	21.32262 )	20	( -89.24418 ,	21.30214 )
3	( -89.24957 ,	21.33189 )	12	( -89.22931 ,	21.31902 )	21	( -89.24412 ,	21.29782 )
4	( -89.22775 ,	21.33304 )	13	( -89.22932 ,	21.31899 )	22	( -89.24448 ,	21.29785 )
5	( -89.22796 ,	21.33132 )	14	( -89.22937 ,	21.31851 )	23	( -89.24447 ,	21.29796 )
6	( -89.22825 ,	21.32883 )	15	( -89.23005 ,	21.31256 )	24	( -89.26397 ,	21.30017 )
7	( -89.22826 ,	21.32877 )	16	( -89.23337 ,	21.31289 )	25	( -89.26328 ,	21.30973 )
8	( -89.22838 ,	21.32777 )	17	( -89.24722 ,	21.31461 )	26	( -89.26758 ,	21.31682 )
9	( -89.22850 ,	21.32662 )	18	( -89.24697 ,	21.30791 )	27	( -89.26767 ,	21.32212 )

## TEL12-SEL\_C2

	x	y		x	y		x	y
1	( -89.22783 ,	21.31234 )	6	( -89.24448 ,	21.29785 )	11	( -89.24722 ,	21.31461 )
2	( -89.22880 ,	21.30459 )	7	( -89.24412 ,	21.29782 )	12	( -89.23337 ,	21.31289 )
3	( -89.22982 ,	21.29596 )	8	( -89.24418 ,	21.30214 )	13	( -89.23005 ,	21.31256 )
4	( -89.22984 ,	21.29577 )	9	( -89.24302 ,	21.30725 )	14	( -89.22783 ,	21.31234 )
5	( -89.24454 ,	21.29741 )	10	( -89.24697 ,	21.30791 )			

## TEL13-SEL\_C3

	x	y		x	y		x	y
1	( -89.22880 ,	21.30459 )	3	( -89.22389 ,	21.31193 )	5	( -89.22804 ,	21.30472 )
2	( -89.22783 ,	21.31234 )	4	( -89.22482 ,	21.30445 )	6	( -89.22880 ,	21.30459 )

## TEL14-SEL\_C3

	x	y		x	y		x	y			
1	( -89.26540	, 21.28313	)	10	( -89.25481	, 21.27392	)	19	( -89.26588	, 21.27948	)
2	( -89.24659	, 21.28103	)	11	( -89.25539	, 21.27225	)	20	( -89.26586	, 21.27998	)
3	( -89.24724	, 21.27601	)	12	( -89.25894	, 21.27388	)	21	( -89.26584	, 21.28073	)
4	( -89.24896	, 21.27618	)	13	( -89.26303	, 21.27437	)	22	( -89.26573	, 21.28188	)
5	( -89.25008	, 21.27631	)	14	( -89.26602	, 21.27490	)	23	( -89.26562	, 21.28311	)
6	( -89.25124	, 21.27645	)	15	( -89.26600	, 21.27541	)	24	( -89.26562	, 21.28315	)
7	( -89.25353	, 21.27670	)	16	( -89.26595	, 21.27701	)	25	( -89.26540	, 21.28313	)
8	( -89.25377	, 21.27672	)	17	( -89.26593	, 21.27769	)				
9	( -89.25456	, 21.27458	)	18	( -89.26592	, 21.27808	)				

**SINANCHÉ**  
**SIN01-BAR\_AP1**

	x	y		x	y		x	y
1	( -89.19360 ,	21.34885 )	9	( -89.22243 ,	21.34850 )	17	( -89.20559 ,	21.35020 )
2	( -89.21475 ,	21.34560 )	10	( -89.22131 ,	21.34860 )	18	( -89.20227 ,	21.35083 )
3	( -89.22510 ,	21.34546 )	11	( -89.21938 ,	21.34869 )	19	( -89.19919 ,	21.35131 )
4	( -89.22624 ,	21.34534 )	12	( -89.21748 ,	21.34894 )	20	( -89.19695 ,	21.35172 )
5	( -89.22623 ,	21.34544 )	13	( -89.21520 ,	21.34923 )	21	( -89.19430 ,	21.35202 )
6	( -89.22615 ,	21.34624 )	14	( -89.21206 ,	21.34933 )	22	( -89.19364 ,	21.35206 )
7	( -89.22589 ,	21.34820 )	15	( -89.21018 ,	21.34943 )	23	( -89.19360 ,	21.34885 )
8	( -89.22564 ,	21.34822 )	16	( -89.20737 ,	21.35003 )			

**SIN02-BAR\_URB**

	x	y		x	y		x	y
1	( -89.19360 ,	21.34885 )	16	( -89.15806 ,	21.35514 )	31	( -89.17043 ,	21.35022 )
2	( -89.19364 ,	21.35206 )	17	( -89.15801 ,	21.35514 )	32	( -89.17043 ,	21.35022 )
3	( -89.19231 ,	21.35215 )	18	( -89.15810 ,	21.35438 )	33	( -89.17117 ,	21.35018 )
4	( -89.18928 ,	21.35292 )	19	( -89.15829 ,	21.35254 )	34	( -89.17117 ,	21.35019 )
5	( -89.18528 ,	21.35346 )	20	( -89.16579 ,	21.35204 )	35	( -89.17251 ,	21.35014 )
6	( -89.18303 ,	21.35364 )	21	( -89.17095 ,	21.35204 )	36	( -89.17495 ,	21.35005 )
7	( -89.17742 ,	21.35418 )	22	( -89.17078 ,	21.35145 )	37	( -89.17496 ,	21.35005 )
8	( -89.17565 ,	21.35419 )	23	( -89.16552 ,	21.35124 )	38	( -89.17491 ,	21.35098 )
9	( -89.17466 ,	21.35419 )	24	( -89.16559 ,	21.35045 )	39	( -89.17488 ,	21.35184 )
10	( -89.17351 ,	21.35435 )	25	( -89.16573 ,	21.35045 )	40	( -89.17716 ,	21.35168 )
11	( -89.17114 ,	21.35472 )	26	( -89.16668 ,	21.35043 )	41	( -89.18106 ,	21.35139 )
12	( -89.16809 ,	21.35489 )	27	( -89.16664 ,	21.35088 )	42	( -89.18830 ,	21.34966 )
13	( -89.16685 ,	21.35500 )	28	( -89.16664 ,	21.35088 )	43	( -89.19360 ,	21.34885 )
14	( -89.16410 ,	21.35506 )	29	( -89.17060 ,	21.35082 )			
15	( -89.15976 ,	21.35509 )	30	( -89.17047 ,	21.35038 )			

**SIN03-MAN\_ANP**

	x	y		x	y		x	y
1	( -89.15987 ,	21.33842 )	17	( -89.21475 ,	21.34560 )	33	( -89.16664 ,	21.35088 )
2	( -89.16239 ,	21.33772 )	18	( -89.18830 ,	21.34966 )	34	( -89.16668 ,	21.35043 )
3	( -89.17480 ,	21.33762 )	19	( -89.18106 ,	21.35139 )	35	( -89.16573 ,	21.35045 )
4	( -89.17758 ,	21.33794 )	20	( -89.17716 ,	21.35168 )	36	( -89.16559 ,	21.35045 )
5	( -89.19392 ,	21.33539 )	21	( -89.17488 ,	21.35184 )	37	( -89.16552 ,	21.35124 )
6	( -89.20213 ,	21.33604 )	22	( -89.17491 ,	21.35098 )	38	( -89.17078 ,	21.35145 )
7	( -89.20787 ,	21.33800 )	23	( -89.17496 ,	21.35005 )	39	( -89.17095 ,	21.35204 )
8	( -89.21501 ,	21.33808 )	24	( -89.17495 ,	21.35005 )	40	( -89.16579 ,	21.35204 )
9	( -89.21508 ,	21.33655 )	25	( -89.17251 ,	21.35014 )	41	( -89.15829 ,	21.35254 )
10	( -89.22324 ,	21.33667 )	26	( -89.17117 ,	21.35019 )	42	( -89.15843 ,	21.35111 )
11	( -89.22621 ,	21.33765 )	27	( -89.17117 ,	21.35018 )	43	( -89.15856 ,	21.35000 )
12	( -89.22721 ,	21.33758 )	28	( -89.17043 ,	21.35022 )	44	( -89.15924 ,	21.34402 )
13	( -89.22696 ,	21.33954 )	29	( -89.17043 ,	21.35022 )	45	( -89.15933 ,	21.34324 )
14	( -89.22644 ,	21.34380 )	30	( -89.17047 ,	21.35038 )	46	( -89.15987 ,	21.33842 )
15	( -89.22624 ,	21.34534 )	31	( -89.17060 ,	21.35082 )			
16	( -89.22510 ,	21.34546 )	32	( -89.16664 ,	21.35088 )			

## SIN04-SAB\_ANP

	x	y		x	y		x	y
1	( -89.22721 ,	21.33758 )	11	( -89.16239 ,	21.33772 )	21	( -89.21853 ,	21.32968 )
2	( -89.22621 ,	21.33765 )	12	( -89.15987 ,	21.33842 )	22	( -89.22171 ,	21.32988 )
3	( -89.22324 ,	21.33667 )	13	( -89.16012 ,	21.33627 )	23	( -89.22171 ,	21.32988 )
4	( -89.21508 ,	21.33655 )	14	( -89.16069 ,	21.33107 )	24	( -89.22225 ,	21.32991 )
5	( -89.21501 ,	21.33808 )	15	( -89.16757 ,	21.33150 )	25	( -89.22678 ,	21.33309 )
6	( -89.20787 ,	21.33800 )	16	( -89.16919 ,	21.33162 )	26	( -89.22775 ,	21.33304 )
7	( -89.20213 ,	21.33604 )	17	( -89.16805 ,	21.33506 )	27	( -89.22765 ,	21.33394 )
8	( -89.19392 ,	21.33539 )	18	( -89.18400 ,	21.33431 )	28	( -89.22729 ,	21.33696 )
9	( -89.17758 ,	21.33794 )	19	( -89.18745 ,	21.33164 )	29	( -89.22721 ,	21.33758 )
10	( -89.17480 ,	21.33762 )	20	( -89.21489 ,	21.32946 )			

## SIN05-SEL\_C3

	x	y		x	y		x	y
1	( -89.16805 ,	21.33506 )	33	( -89.18479 ,	21.26200 )	65	( -89.22262 ,	21.28824 )
2	( -89.16919 ,	21.33162 )	34	( -89.18656 ,	21.26167 )	66	( -89.20490 ,	21.28666 )
3	( -89.17128 ,	21.33176 )	35	( -89.18886 ,	21.26126 )	67	( -89.20657 ,	21.27164 )
4	( -89.17410 ,	21.33196 )	36	( -89.19047 ,	21.26101 )	68	( -89.20309 ,	21.27181 )
5	( -89.17526 ,	21.33204 )	37	( -89.19084 ,	21.26095 )	69	( -89.20072 ,	21.29280 )
6	( -89.17546 ,	21.33021 )	38	( -89.19118 ,	21.26089 )	70	( -89.20746 ,	21.29353 )
7	( -89.17569 ,	21.32807 )	39	( -89.19345 ,	21.26048 )	71	( -89.20771 ,	21.29356 )
8	( -89.17610 ,	21.32224 )	40	( -89.19477 ,	21.26028 )	72	( -89.22904 ,	21.29588 )
9	( -89.17674 ,	21.31316 )	41	( -89.19488 ,	21.26026 )	73	( -89.22904 ,	21.29588 )
10	( -89.16648 ,	21.31106 )	42	( -89.19630 ,	21.26005 )	74	( -89.22904 ,	21.29588 )
11	( -89.16278 ,	21.31026 )	43	( -89.19773 ,	21.25987 )	75	( -89.22982 ,	21.29596 )
12	( -89.16306 ,	21.30751 )	44	( -89.19916 ,	21.25971 )	76	( -89.22880 ,	21.30459 )
13	( -89.15816 ,	21.30685 )	45	( -89.20060 ,	21.25956 )	77	( -89.22804 ,	21.30472 )
14	( -89.15749 ,	21.31245 )	46	( -89.20204 ,	21.25944 )	78	( -89.22482 ,	21.30445 )
15	( -89.14669 ,	21.31128 )	47	( -89.20347 ,	21.25933 )	79	( -89.22389 ,	21.31193 )
16	( -89.14676 ,	21.31086 )	48	( -89.20492 ,	21.25925 )	80	( -89.22783 ,	21.31234 )
17	( -89.14747 ,	21.30803 )	49	( -89.20679 ,	21.25915 )	81	( -89.23005 ,	21.31256 )
18	( -89.14787 ,	21.30626 )	50	( -89.20730 ,	21.25913 )	82	( -89.22937 ,	21.31851 )
19	( -89.14879 ,	21.30219 )	51	( -89.21275 ,	21.25864 )	83	( -89.22932 ,	21.31899 )
20	( -89.14932 ,	21.30226 )	52	( -89.21303 ,	21.25862 )	84	( -89.22931 ,	21.31902 )
21	( -89.15015 ,	21.29642 )	53	( -89.21369 ,	21.25856 )	85	( -89.22893 ,	21.32262 )
22	( -89.16613 ,	21.29811 )	54	( -89.21551 ,	21.25840 )	86	( -89.22869 ,	21.32486 )
23	( -89.16788 ,	21.28269 )	55	( -89.21648 ,	21.25829 )	87	( -89.22850 ,	21.32662 )
24	( -89.17001 ,	21.28291 )	56	( -89.21802 ,	21.25811 )	88	( -89.22838 ,	21.32777 )
25	( -89.17183 ,	21.26493 )	57	( -89.21899 ,	21.25800 )	89	( -89.22826 ,	21.32877 )
26	( -89.16761 ,	21.26433 )	58	( -89.21939 ,	21.25795 )	90	( -89.22825 ,	21.32883 )
27	( -89.17155 ,	21.26395 )	59	( -89.22267 ,	21.25750 )	91	( -89.22796 ,	21.33132 )
28	( -89.17340 ,	21.26359 )	60	( -89.22458 ,	21.25726 )	92	( -89.22775 ,	21.33304 )
29	( -89.17814 ,	21.26281 )	61	( -89.22738 ,	21.25693 )	93	( -89.22678 ,	21.33309 )
30	( -89.18070 ,	21.26249 )	62	( -89.22651 ,	21.25757 )	94	( -89.22225 ,	21.32991 )
31	( -89.18327 ,	21.26223 )	63	( -89.21932 ,	21.26279 )	95	( -89.22171 ,	21.32988 )
32	( -89.18339 ,	21.26222 )	64	( -89.22395 ,	21.27314 )	96	( -89.22171 ,	21.32988 )

97 ( -89.21853 , 21.32968 ) 99 ( -89.18745 , 21.33164 ) 101 ( -89.16805 , 21.33506 )  
 98 ( -89.21489 , 21.32946 ) 100 ( -89.18400 , 21.33431 )

## SIN06-SEL\_C2

	x	y		x	y		x	y
1	( -89.22982	, 21.29596 )	10	( -89.20490	, 21.28666 )	19	( -89.24724	, 21.27601 )
2	( -89.22904	, 21.29588 )	11	( -89.22262	, 21.28824 )	20	( -89.24659	, 21.28103 )
3	( -89.22904	, 21.29588 )	12	( -89.22395	, 21.27314 )	21	( -89.26540	, 21.28313 )
4	( -89.22904	, 21.29588 )	13	( -89.22785	, 21.27033 )	22	( -89.26399	, 21.30017 )
5	( -89.20771	, 21.29356 )	14	( -89.24521	, 21.27238 )	23	( -89.24447	, 21.29796 )
6	( -89.20746	, 21.29353 )	15	( -89.24526	, 21.27240 )	24	( -89.24454	, 21.29741 )
7	( -89.20072	, 21.29280 )	16	( -89.24675	, 21.27257 )	25	( -89.22984	, 21.29577 )
8	( -89.20309	, 21.27181 )	17	( -89.24764	, 21.27269 )	26	( -89.22982	, 21.29596 )
9	( -89.20657	, 21.27164 )	18	( -89.24730	, 21.27551 )			

## SIN07-SEL\_AP1

	x	y		x	y		x	y
1	( -89.15207	, 21.24517 )	31	( -89.16134	, 21.21957 )	61	( -89.23464	, 21.21291 )
2	( -89.15182	, 21.24487 )	32	( -89.16229	, 21.21951 )	62	( -89.23369	, 21.21281 )
3	( -89.14909	, 21.24495 )	33	( -89.16330	, 21.21946 )	63	( -89.22874	, 21.21230 )
4	( -89.14888	, 21.24487 )	34	( -89.16723	, 21.21873 )	64	( -89.22755	, 21.21218 )
5	( -89.14868	, 21.24480 )	35	( -89.17106	, 21.21814 )	65	( -89.22741	, 21.21358 )
6	( -89.14844	, 21.24242 )	36	( -89.17490	, 21.21766 )	66	( -89.22728	, 21.21400 )
7	( -89.14849	, 21.24111 )	37	( -89.17654	, 21.21749 )	67	( -89.22677	, 21.21516 )
8	( -89.15223	, 21.24138 )	38	( -89.17705	, 21.21740 )	68	( -89.22674	, 21.21533 )
9	( -89.15218	, 21.24046 )	39	( -89.18050	, 21.21679 )	69	( -89.22656	, 21.21643 )
10	( -89.15474	, 21.23971 )	40	( -89.18279	, 21.21644 )	70	( -89.22635	, 21.21751 )
11	( -89.15603	, 21.23907 )	41	( -89.18509	, 21.21601 )	71	( -89.22643	, 21.21843 )
12	( -89.15652	, 21.23866 )	42	( -89.18937	, 21.21537 )	72	( -89.23093	, 21.21892 )
13	( -89.15671	, 21.23859 )	43	( -89.19366	, 21.21484 )	73	( -89.23122	, 21.21898 )
14	( -89.15755	, 21.23817 )	44	( -89.19797	, 21.21444 )	74	( -89.23301	, 21.21916 )
15	( -89.15700	, 21.23672 )	45	( -89.20228	, 21.21416 )	75	( -89.23364	, 21.21929 )
16	( -89.15682	, 21.23625 )	46	( -89.20416	, 21.21406 )	76	( -89.23459	, 21.21939 )
17	( -89.15675	, 21.23572 )	47	( -89.20482	, 21.21403 )	77	( -89.23657	, 21.21961 )
18	( -89.15707	, 21.23432 )	48	( -89.20918	, 21.21364 )	78	( -89.23875	, 21.21986 )
19	( -89.16019	, 21.23213 )	49	( -89.21253	, 21.21324 )	79	( -89.23903	, 21.21804 )
20	( -89.15973	, 21.23157 )	50	( -89.21277	, 21.21322 )	80	( -89.23917	, 21.21715 )
21	( -89.16023	, 21.23037 )	51	( -89.21573	, 21.21281 )	81	( -89.23931	, 21.21624 )
22	( -89.16124	, 21.22830 )	52	( -89.21860	, 21.21245 )	82	( -89.23934	, 21.21610 )
23	( -89.15801	, 21.22873 )	53	( -89.22336	, 21.21189 )	83	( -89.24178	, 21.21641 )
24	( -89.15799	, 21.22831 )	54	( -89.22714	, 21.21150 )	84	( -89.23445	, 21.22958 )
25	( -89.15804	, 21.22821 )	55	( -89.23137	, 21.21099 )	85	( -89.23239	, 21.23334 )
26	( -89.15775	, 21.22421 )	56	( -89.23326	, 21.21079 )	86	( -89.23297	, 21.23337 )
27	( -89.15818	, 21.22383 )	57	( -89.23428	, 21.21068 )	87	( -89.23746	, 21.23369 )
28	( -89.15784	, 21.21957 )	58	( -89.23432	, 21.21094 )	88	( -89.23833	, 21.23235 )
29	( -89.16027	, 21.21960 )	59	( -89.23447	, 21.21184 )	89	( -89.24057	, 21.22823 )
30	( -89.16047	, 21.21960 )	60	( -89.23460	, 21.21269 )	90	( -89.24484	, 21.22876 )

91 ( -89.24603 , 21.22887 ) 138 ( -89.15953 , 21.26388 ) 185 ( -89.19040 , 21.22744 )  
92 ( -89.24528 , 21.23137 ) 139 ( -89.15706 , 21.26358 ) 186 ( -89.19170 , 21.22807 )  
93 ( -89.24263 , 21.24026 ) 140 ( -89.15564 , 21.26344 ) 187 ( -89.19185 , 21.22575 )  
94 ( -89.24617 , 21.24325 ) 141 ( -89.15565 , 21.26218 ) 188 ( -89.19181 , 21.22399 )  
95 ( -89.24588 , 21.24346 ) 142 ( -89.15554 , 21.26164 ) 189 ( -89.19378 , 21.22336 )  
96 ( -89.24500 , 21.24409 ) 143 ( -89.15553 , 21.26119 ) 190 ( -89.19319 , 21.22227 )  
97 ( -89.24197 , 21.24625 ) 144 ( -89.15538 , 21.26037 ) 191 ( -89.19325 , 21.22222 )  
98 ( -89.23944 , 21.24809 ) 145 ( -89.15540 , 21.26001 ) 192 ( -89.19479 , 21.22099 )  
99 ( -89.23703 , 21.24985 ) 146 ( -89.15536 , 21.25932 ) 193 ( -89.19121 , 21.22001 )  
100 ( -89.23354 , 21.25241 ) 147 ( -89.15545 , 21.25894 ) 194 ( -89.19123 , 21.22082 )  
101 ( -89.22738 , 21.25693 ) 148 ( -89.15549 , 21.25830 ) 195 ( -89.18969 , 21.22077 )  
102 ( -89.22458 , 21.25726 ) 149 ( -89.15531 , 21.25787 ) 196 ( -89.18976 , 21.22004 )  
103 ( -89.22267 , 21.25750 ) 150 ( -89.15510 , 21.25725 ) 197 ( -89.18985 , 21.21924 )  
104 ( -89.21939 , 21.25795 ) 151 ( -89.15467 , 21.25650 ) 198 ( -89.18989 , 21.21849 )  
105 ( -89.21899 , 21.25800 ) 152 ( -89.15425 , 21.25607 ) 199 ( -89.18995 , 21.21770 )  
106 ( -89.21802 , 21.25811 ) 153 ( -89.15416 , 21.25523 ) 200 ( -89.18984 , 21.21766 )  
107 ( -89.21648 , 21.25829 ) 154 ( -89.15410 , 21.25493 ) 201 ( -89.18960 , 21.21756 )  
108 ( -89.21551 , 21.25840 ) 155 ( -89.15384 , 21.25361 ) 202 ( -89.18946 , 21.21750 )  
109 ( -89.21369 , 21.25856 ) 156 ( -89.15310 , 21.25354 ) 203 ( -89.18921 , 21.21738 )  
110 ( -89.21303 , 21.25862 ) 157 ( -89.15321 , 21.25090 ) 204 ( -89.18905 , 21.21731 )  
111 ( -89.21275 , 21.25864 ) 158 ( -89.15291 , 21.24887 ) 205 ( -89.18884 , 21.21722 )  
112 ( -89.20730 , 21.25913 ) 159 ( -89.15082 , 21.24870 ) 206 ( -89.18867 , 21.21717 )  
113 ( -89.20679 , 21.25915 ) 160 ( -89.15215 , 21.24612 ) 207 ( -89.18857 , 21.21715 )  
114 ( -89.20492 , 21.25925 ) 161 ( -89.15207 , 21.24517 ) 208 ( -89.18848 , 21.21786 )  
115 ( -89.20347 , 21.25933 ) 162 ( -89.17961 , 21.23339 ) 209 ( -89.18834 , 21.21817 )  
116 ( -89.20204 , 21.25944 ) 163 ( -89.17903 , 21.23405 ) 210 ( -89.18807 , 21.21860 )  
117 ( -89.20060 , 21.25956 ) 164 ( -89.17830 , 21.23489 ) 211 ( -89.18622 , 21.21794 )  
118 ( -89.19916 , 21.25971 ) 165 ( -89.17910 , 21.23551 ) 212 ( -89.18589 , 21.21857 )  
119 ( -89.19773 , 21.25987 ) 166 ( -89.17838 , 21.23620 ) 213 ( -89.18441 , 21.21865 )  
120 ( -89.19630 , 21.26005 ) 167 ( -89.17921 , 21.23687 ) 214 ( -89.18415 , 21.21867 )  
121 ( -89.19488 , 21.26026 ) 168 ( -89.17990 , 21.23614 ) 215 ( -89.18280 , 21.21871 )  
122 ( -89.19477 , 21.26028 ) 169 ( -89.18059 , 21.23542 ) 216 ( -89.18264 , 21.21869 )  
123 ( -89.19345 , 21.26048 ) 170 ( -89.18144 , 21.23453 ) 217 ( -89.17842 , 21.21858 )  
124 ( -89.19118 , 21.26089 ) 171 ( -89.18204 , 21.23391 ) 218 ( -89.17866 , 21.21960 )  
125 ( -89.19084 , 21.26095 ) 172 ( -89.18274 , 21.23317 ) 219 ( -89.17919 , 21.22131 )  
126 ( -89.19047 , 21.26101 ) 173 ( -89.18300 , 21.23290 ) 220 ( -89.17950 , 21.22134 )  
127 ( -89.18886 , 21.26126 ) 174 ( -89.18458 , 21.23294 ) 221 ( -89.17944 , 21.22261 )  
128 ( -89.18656 , 21.26167 ) 175 ( -89.18607 , 21.23302 ) 222 ( -89.17687 , 21.22055 )  
129 ( -89.18479 , 21.26200 ) 176 ( -89.18799 , 21.23323 ) 223 ( -89.17682 , 21.22382 )  
130 ( -89.18339 , 21.26222 ) 177 ( -89.18788 , 21.23203 ) 224 ( -89.17681 , 21.22571 )  
131 ( -89.18327 , 21.26223 ) 178 ( -89.18785 , 21.23169 ) 225 ( -89.17486 , 21.22598 )  
132 ( -89.18070 , 21.26249 ) 179 ( -89.18783 , 21.23133 ) 226 ( -89.17393 , 21.22609 )  
133 ( -89.17814 , 21.26281 ) 180 ( -89.18783 , 21.23097 ) 227 ( -89.17396 , 21.22848 )  
134 ( -89.17340 , 21.26359 ) 181 ( -89.18770 , 21.23029 ) 228 ( -89.17410 , 21.22850 )  
135 ( -89.17155 , 21.26395 ) 182 ( -89.18910 , 21.23041 ) 229 ( -89.17435 , 21.22846 )  
136 ( -89.16761 , 21.26433 ) 183 ( -89.18920 , 21.22879 ) 230 ( -89.17452 , 21.22837 )  
137 ( -89.16452 , 21.26390 ) 184 ( -89.19020 , 21.22887 ) 231 ( -89.17465 , 21.22824 )

232 ( -89.17476 , 21.22813 ) 238 ( -89.17926 , 21.22788 ) 244 ( -89.18186 , 21.23095 )  
 233 ( -89.17487 , 21.22793 ) 239 ( -89.18059 , 21.22790 ) 245 ( -89.18179 , 21.23102 )  
 234 ( -89.17485 , 21.22657 ) 240 ( -89.18043 , 21.22878 ) 246 ( -89.18106 , 21.23180 )  
 235 ( -89.17819 , 21.22669 ) 241 ( -89.18008 , 21.23042 ) 247 ( -89.18035 , 21.23254 )  
 236 ( -89.17818 , 21.22794 ) 242 ( -89.18185 , 21.23052 ) 248 ( -89.17961 , 21.23339 )  
 237 ( -89.17924 , 21.22799 ) 243 ( -89.18225 , 21.23054 )

## SIN08-SEL\_URB

	x	y		x	y		x	y
1	-89.17961	21.23339	30	-89.17919	21.22131	59	-89.19319	21.22227
2	-89.18035	21.23254	31	-89.17866	21.21960	60	-89.19378	21.22336
3	-89.18106	21.23180	32	-89.17842	21.21858	61	-89.19181	21.22399
4	-89.18179	21.23102	33	-89.18264	21.21869	62	-89.19185	21.22575
5	-89.18186	21.23095	34	-89.18280	21.21871	63	-89.19170	21.22807
6	-89.18225	21.23054	35	-89.18415	21.21867	64	-89.19040	21.22744
7	-89.18185	21.23052	36	-89.18441	21.21865	65	-89.19020	21.22887
8	-89.18008	21.23042	37	-89.18589	21.21857	66	-89.18920	21.22879
9	-89.18043	21.22878	38	-89.18622	21.21794	67	-89.18910	21.23041
10	-89.18059	21.22790	39	-89.18807	21.21860	68	-89.18770	21.23029
11	-89.17926	21.22788	40	-89.18834	21.21817	69	-89.18783	21.23097
12	-89.17924	21.22799	41	-89.18848	21.21786	70	-89.18783	21.23133
13	-89.17818	21.22794	42	-89.18857	21.21715	71	-89.18785	21.23169
14	-89.17819	21.22669	43	-89.18867	21.21717	72	-89.18788	21.23203
15	-89.17485	21.22657	44	-89.18884	21.21722	73	-89.18799	21.23323
16	-89.17487	21.22793	45	-89.18905	21.21731	74	-89.18607	21.23302
17	-89.17476	21.22813	46	-89.18921	21.21738	75	-89.18458	21.23294
18	-89.17465	21.22824	47	-89.18946	21.21750	76	-89.18300	21.23290
19	-89.17452	21.22837	48	-89.18960	21.21756	77	-89.18274	21.23317
20	-89.17435	21.22846	49	-89.18984	21.21766	78	-89.18204	21.23391
21	-89.17410	21.22850	50	-89.18995	21.21770	79	-89.18144	21.23453
22	-89.17396	21.22848	51	-89.18989	21.21849	80	-89.18059	21.23542
23	-89.17393	21.22609	52	-89.18985	21.21924	81	-89.17990	21.23614
24	-89.17486	21.22598	53	-89.18976	21.22004	82	-89.17921	21.23687
25	-89.17681	21.22571	54	-89.18969	21.22077	83	-89.17838	21.23620
26	-89.17682	21.22382	55	-89.19123	21.22082	84	-89.17910	21.23551
27	-89.17687	21.22055	56	-89.19121	21.22001	85	-89.17830	21.23489
28	-89.17944	21.22261	57	-89.19479	21.22099	86	-89.17903	21.23405
29	-89.17950	21.22134	58	-89.19325	21.22222	87	-89.17961	21.23339

## SIN09-SEL\_AP2

	x	y		x	y		x	y
1	( -89.15784 ,	21.21957 )	33	( -89.20109 ,	21.19876 )	65	( -89.23417 ,	21.20999 )
2	( -89.15773 ,	21.21815 )	34	( -89.20077 ,	21.20034 )	66	( -89.23417 ,	21.21002 )
3	( -89.15730 ,	21.21277 )	35	( -89.20037 ,	21.20400 )	67	( -89.23428 ,	21.21068 )
4	( -89.15670 ,	21.20461 )	36	( -89.20210 ,	21.20420 )	68	( -89.23326 ,	21.21079 )
5	( -89.16294 ,	21.19909 )	37	( -89.20402 ,	21.20443 )	69	( -89.23137 ,	21.21099 )
6	( -89.16423 ,	21.19797 )	38	( -89.20590 ,	21.20465 )	70	( -89.22714 ,	21.21150 )
7	( -89.16669 ,	21.19584 )	39	( -89.20892 ,	21.20501 )	71	( -89.22336 ,	21.21189 )
8	( -89.17608 ,	21.18759 )	40	( -89.21074 ,	21.20522 )	72	( -89.21860 ,	21.21245 )
9	( -89.17661 ,	21.18364 )	41	( -89.21351 ,	21.20555 )	73	( -89.21573 ,	21.21281 )
10	( -89.17866 ,	21.18337 )	42	( -89.21608 ,	21.20585 )	74	( -89.21277 ,	21.21322 )
11	( -89.17996 ,	21.18349 )	43	( -89.21647 ,	21.20315 )	75	( -89.21253 ,	21.21324 )
12	( -89.18083 ,	21.18394 )	44	( -89.21678 ,	21.20100 )	76	( -89.20918 ,	21.21364 )
13	( -89.18188 ,	21.18380 )	45	( -89.21705 ,	21.19910 )	77	( -89.20482 ,	21.21403 )
14	( -89.18284 ,	21.18394 )	46	( -89.21887 ,	21.18642 )	78	( -89.20416 ,	21.21406 )
15	( -89.18286 ,	21.18493 )	47	( -89.21914 ,	21.18447 )	79	( -89.20228 ,	21.21416 )
16	( -89.18365 ,	21.18806 )	48	( -89.22012 ,	21.18507 )	80	( -89.19797 ,	21.21444 )
17	( -89.18402 ,	21.19039 )	49	( -89.22377 ,	21.18729 )	81	( -89.19366 ,	21.21484 )
18	( -89.18162 ,	21.19099 )	50	( -89.23108 ,	21.19174 )	82	( -89.18937 ,	21.21537 )
19	( -89.17950 ,	21.19095 )	51	( -89.23176 ,	21.19580 )	83	( -89.18509 ,	21.21601 )
20	( -89.17927 ,	21.19184 )	52	( -89.23212 ,	21.19805 )	84	( -89.18279 ,	21.21644 )
21	( -89.18322 ,	21.19108 )	53	( -89.23230 ,	21.19922 )	85	( -89.18050 ,	21.21679 )
22	( -89.18884 ,	21.19000 )	54	( -89.23282 ,	21.20250 )	86	( -89.17705 ,	21.21740 )
23	( -89.18879 ,	21.18989 )	55	( -89.23303 ,	21.20356 )	87	( -89.17654 ,	21.21749 )
24	( -89.18907 ,	21.18991 )	56	( -89.23325 ,	21.20472 )	88	( -89.17490 ,	21.21766 )
25	( -89.19058 ,	21.18998 )	57	( -89.23336 ,	21.20540 )	89	( -89.17106 ,	21.21814 )
26	( -89.19253 ,	21.19032 )	58	( -89.23350 ,	21.20624 )	90	( -89.16723 ,	21.21873 )
27	( -89.19288 ,	21.19254 )	59	( -89.23363 ,	21.20706 )	91	( -89.16330 ,	21.21946 )
28	( -89.19226 ,	21.19810 )	60	( -89.23381 ,	21.20814 )	92	( -89.16229 ,	21.21951 )
29	( -89.19458 ,	21.19838 )	61	( -89.23399 ,	21.20905 )	93	( -89.16134 ,	21.21957 )
30	( -89.19679 ,	21.19840 )	62	( -89.23416 ,	21.20992 )	94	( -89.16047 ,	21.21960 )
31	( -89.20059 ,	21.19743 )	63	( -89.23416 ,	21.20994 )	95	( -89.16027 ,	21.21960 )
32	( -89.20148 ,	21.19689 )	64	( -89.23416 ,	21.20997 )	96	( -89.15784 ,	21.21957 )



## DZILAM DE BRAVO

## DZI12-SEL\_ANP

	x	y		x	y		x	y
1	( -88.63191 ,	21.43203 )	13	( -88.65780 ,	21.38407 )	25	( -88.68106 ,	21.39340 )
2	( -88.63338 ,	21.42414 )	14	( -88.67792 ,	21.37852 )	26	( -88.68118 ,	21.39383 )
3	( -88.63089 ,	21.42416 )	15	( -88.67792 ,	21.37856 )	27	( -88.68168 ,	21.39555 )
4	( -88.62751 ,	21.42828 )	16	( -88.67801 ,	21.37985 )	28	( -88.68196 ,	21.39667 )
5	( -88.61777 ,	21.42815 )	17	( -88.67812 ,	21.38079 )	29	( -88.67770 ,	21.39674 )
6	( -88.61769 ,	21.42815 )	18	( -88.67828 ,	21.38209 )	30	( -88.67792 ,	21.39350 )
7	( -88.61769 ,	21.42815 )	19	( -88.67832 ,	21.38239 )	31	( -88.66539 ,	21.40087 )
8	( -88.63325 ,	21.41834 )	20	( -88.67863 ,	21.38439 )	32	( -88.66465 ,	21.41154 )
9	( -88.65146 ,	21.40700 )	21	( -88.67876 ,	21.38501 )	33	( -88.65112 ,	21.42023 )
10	( -88.65410 ,	21.40535 )	22	( -88.67903 ,	21.38635 )	34	( -88.65350 ,	21.42796 )
11	( -88.65630 ,	21.39149 )	23	( -88.67946 ,	21.38790 )	35	( -88.64740 ,	21.43328 )
12	( -88.65776 ,	21.38426 )	24	( -88.67984 ,	21.38926 )	36	( -88.63191 ,	21.43203 )

**SAN FELIPE**  
**SFE06-MAN\_ANP**

	x	y		x	y		x	y
1	( -88.23313 ,	21.56207 )	43	( -88.31625 ,	21.53209 )	85	( -88.41125 ,	21.51590 )
2	( -88.23469 ,	21.55348 )	44	( -88.31696 ,	21.53028 )	86	( -88.41165 ,	21.51596 )
3	( -88.23699 ,	21.55048 )	45	( -88.31605 ,	21.52915 )	87	( -88.41143 ,	21.51800 )
4	( -88.23708 ,	21.55047 )	46	( -88.31645 ,	21.52742 )	88	( -88.44787 ,	21.52180 )
5	( -88.23844 ,	21.55030 )	47	( -88.31740 ,	21.52603 )	89	( -88.44940 ,	21.50904 )
6	( -88.24137 ,	21.55389 )	48	( -88.31861 ,	21.52575 )	90	( -88.46812 ,	21.51107 )
7	( -88.24329 ,	21.55320 )	49	( -88.32148 ,	21.52279 )	91	( -88.46962 ,	21.49871 )
8	( -88.24328 ,	21.55117 )	50	( -88.32220 ,	21.52278 )	92	( -88.46961 ,	21.49582 )
9	( -88.24760 ,	21.54843 )	51	( -88.32293 ,	21.52368 )	93	( -88.47782 ,	21.49878 )
10	( -88.24977 ,	21.54863 )	52	( -88.32513 ,	21.52637 )	94	( -88.48061 ,	21.49992 )
11	( -88.25124 ,	21.55043 )	53	( -88.32683 ,	21.52739 )	95	( -88.48218 ,	21.50919 )
12	( -88.25437 ,	21.54950 )	54	( -88.32805 ,	21.52967 )	96	( -88.50052 ,	21.51231 )
13	( -88.25485 ,	21.54905 )	55	( -88.32762 ,	21.53471 )	97	( -88.50048 ,	21.54260 )
14	( -88.25798 ,	21.54902 )	56	( -88.33270 ,	21.53675 )	98	( -88.50035 ,	21.54266 )
15	( -88.25918 ,	21.54794 )	57	( -88.33368 ,	21.53827 )	99	( -88.49940 ,	21.54304 )
16	( -88.26159 ,	21.54787 )	58	( -88.33369 ,	21.53873 )	100	( -88.49836 ,	21.54339 )
17	( -88.26548 ,	21.55055 )	59	( -88.33105 ,	21.54033 )	101	( -88.49760 ,	21.54367 )
18	( -88.26691 ,	21.54873 )	60	( -88.32936 ,	21.54034 )	102	( -88.49663 ,	21.54368 )
19	( -88.27222 ,	21.54850 )	61	( -88.32914 ,	21.54260 )	103	( -88.49526 ,	21.54398 )
20	( -88.27416 ,	21.54890 )	62	( -88.33517 ,	21.54278 )	104	( -88.49430 ,	21.54411 )
21	( -88.27523 ,	21.54813 )	63	( -88.33781 ,	21.54118 )	105	( -88.49352 ,	21.54421 )
22	( -88.27824 ,	21.54639 )	64	( -88.33706 ,	21.53802 )	106	( -88.49255 ,	21.54433 )
23	( -88.28088 ,	21.54524 )	65	( -88.33753 ,	21.53689 )	107	( -88.49119 ,	21.54457 )
24	( -88.28449 ,	21.54385 )	66	( -88.34184 ,	21.53324 )	108	( -88.48996 ,	21.54480 )
25	( -88.28783 ,	21.53954 )	67	( -88.34498 ,	21.53276 )	109	( -88.48948 ,	21.54508 )
26	( -88.29123 ,	21.54177 )	68	( -88.34688 ,	21.52959 )	110	( -88.48811 ,	21.54539 )
27	( -88.29243 ,	21.54086 )	69	( -88.34802 ,	21.52258 )	111	( -88.48771 ,	21.54557 )
28	( -88.29243 ,	21.54018 )	70	( -88.34922 ,	21.52175 )	112	( -88.48727 ,	21.54570 )
29	( -88.29577 ,	21.53654 )	71	( -88.35417 ,	21.52078 )	113	( -88.48694 ,	21.54591 )
30	( -88.29851 ,	21.54036 )	72	( -88.35547 ,	21.51913 )	114	( -88.48636 ,	21.54606 )
31	( -88.29989 ,	21.53876 )	73	( -88.35732 ,	21.51844 )	115	( -88.48597 ,	21.54626 )
32	( -88.30375 ,	21.53761 )	74	( -88.35982 ,	21.52000 )	116	( -88.48535 ,	21.54653 )
33	( -88.30228 ,	21.53581 )	75	( -88.36150 ,	21.51865 )	117	( -88.48391 ,	21.54708 )
34	( -88.30252 ,	21.53513 )	76	( -88.36487 ,	21.51747 )	118	( -88.48304 ,	21.54753 )
35	( -88.30420 ,	21.53422 )	77	( -88.36852 ,	21.52083 )	119	( -88.48227 ,	21.54765 )
36	( -88.30999 ,	21.53417 )	78	( -88.37214 ,	21.52092 )	120	( -88.48123 ,	21.54764 )
37	( -88.31242 ,	21.53573 )	79	( -88.37357 ,	21.51898 )	121	( -88.48018 ,	21.54783 )
38	( -88.31243 ,	21.53686 )	80	( -88.37890 ,	21.52097 )	122	( -88.47932 ,	21.54795 )
39	( -88.31436 ,	21.53662 )	81	( -88.38371 ,	21.51867 )	123	( -88.47841 ,	21.54825 )
40	( -88.31724 ,	21.53502 )	82	( -88.38585 ,	21.51865 )	124	( -88.47759 ,	21.54856 )
41	( -88.31723 ,	21.53411 )	83	( -88.38415 ,	21.51439 )	125	( -88.47717 ,	21.54863 )
42	( -88.31626 ,	21.53277 )	84	( -88.41125 ,	21.51966 )	126	( -88.47645 ,	21.54906 )

127 ( -88.47613 , 21.54909 ) 171 ( -88.43529 , 21.55681 ) 215 ( -88.41101 , 21.56176 )  
128 ( -88.47554 , 21.54941 ) 172 ( -88.43424 , 21.55706 ) 216 ( -88.41010 , 21.56203 )  
129 ( -88.47462 , 21.54962 ) 173 ( -88.43327 , 21.55716 ) 217 ( -88.40919 , 21.56236 )  
130 ( -88.47333 , 21.54966 ) 174 ( -88.43259 , 21.55677 ) 218 ( -88.40837 , 21.56254 )  
131 ( -88.47176 , 21.54968 ) 175 ( -88.43081 , 21.55745 ) 219 ( -88.40737 , 21.56291 )  
132 ( -88.47071 , 21.54986 ) 176 ( -88.43022 , 21.55731 ) 220 ( -88.40545 , 21.56355 )  
133 ( -88.46831 , 21.55092 ) 177 ( -88.42996 , 21.55754 ) 221 ( -88.40324 , 21.56429 )  
134 ( -88.46717 , 21.55111 ) 178 ( -88.42978 , 21.55745 ) 222 ( -88.40095 , 21.56486 )  
135 ( -88.46668 , 21.55112 ) 179 ( -88.42945 , 21.55742 ) 223 ( -88.40004 , 21.56502 )  
136 ( -88.46595 , 21.55141 ) 180 ( -88.42941 , 21.55766 ) 224 ( -88.39755 , 21.56539 )  
137 ( -88.46515 , 21.55148 ) 181 ( -88.42904 , 21.55773 ) 225 ( -88.39685 , 21.56538 )  
138 ( -88.46442 , 21.55172 ) 182 ( -88.42857 , 21.55785 ) 226 ( -88.39495 , 21.56558 )  
139 ( -88.46417 , 21.55199 ) 183 ( -88.42804 , 21.55756 ) 227 ( -88.39418 , 21.56561 )  
140 ( -88.46382 , 21.55211 ) 184 ( -88.42771 , 21.55763 ) 228 ( -88.39355 , 21.56565 )  
141 ( -88.46356 , 21.55209 ) 185 ( -88.42734 , 21.55767 ) 229 ( -88.39289 , 21.56547 )  
142 ( -88.46222 , 21.55288 ) 186 ( -88.42687 , 21.55769 ) 230 ( -88.39244 , 21.56554 )  
143 ( -88.46156 , 21.55289 ) 187 ( -88.42652 , 21.55777 ) 231 ( -88.39195 , 21.56572 )  
144 ( -88.46098 , 21.55286 ) 188 ( -88.42622 , 21.55765 ) 232 ( -88.39085 , 21.56540 )  
145 ( -88.46042 , 21.55307 ) 189 ( -88.42589 , 21.55788 ) 233 ( -88.39016 , 21.56556 )  
146 ( -88.45995 , 21.55311 ) 190 ( -88.42550 , 21.55804 ) 234 ( -88.38827 , 21.56534 )  
147 ( -88.45850 , 21.55380 ) 191 ( -88.42502 , 21.55810 ) 235 ( -88.38710 , 21.56512 )  
148 ( -88.45767 , 21.55393 ) 192 ( -88.42467 , 21.55822 ) 236 ( -88.38673 , 21.56511 )  
149 ( -88.45624 , 21.55396 ) 193 ( -88.42431 , 21.55807 ) 237 ( -88.38669 , 21.56558 )  
150 ( -88.45451 , 21.55413 ) 194 ( -88.42390 , 21.55813 ) 238 ( -88.38646 , 21.56574 )  
151 ( -88.45392 , 21.55431 ) 195 ( -88.42336 , 21.55825 ) 239 ( -88.38621 , 21.56563 )  
152 ( -88.45335 , 21.55430 ) 196 ( -88.42277 , 21.55833 ) 240 ( -88.38605 , 21.56519 )  
153 ( -88.45221 , 21.55468 ) 197 ( -88.42247 , 21.55845 ) 241 ( -88.38562 , 21.56518 )  
154 ( -88.45113 , 21.55470 ) 198 ( -88.42273 , 21.55855 ) 242 ( -88.38539 , 21.56509 )  
155 ( -88.44992 , 21.55478 ) 199 ( -88.42270 , 21.55874 ) 243 ( -88.38512 , 21.56532 )  
156 ( -88.44916 , 21.55471 ) 200 ( -88.42200 , 21.55909 ) 244 ( -88.38449 , 21.56524 )  
157 ( -88.44852 , 21.55470 ) 201 ( -88.42114 , 21.55911 ) 245 ( -88.38343 , 21.56515 )  
158 ( -88.44789 , 21.55477 ) 202 ( -88.42037 , 21.55925 ) 246 ( -88.38289 , 21.56541 )  
159 ( -88.44726 , 21.55490 ) 203 ( -88.41950 , 21.55939 ) 247 ( -88.38256 , 21.56540 )  
160 ( -88.44677 , 21.55502 ) 204 ( -88.41894 , 21.55941 ) 248 ( -88.38198 , 21.56525 )  
161 ( -88.44519 , 21.55502 ) 205 ( -88.41846 , 21.55954 ) 249 ( -88.38180 , 21.56527 )  
162 ( -88.44413 , 21.55521 ) 206 ( -88.41808 , 21.55970 ) 250 ( -88.38168 , 21.56536 )  
163 ( -88.44263 , 21.55538 ) 207 ( -88.41743 , 21.56010 ) 251 ( -88.38161 , 21.56563 )  
164 ( -88.44201 , 21.55552 ) 208 ( -88.41690 , 21.56039 ) 252 ( -88.38092 , 21.56555 )  
165 ( -88.44019 , 21.55619 ) 209 ( -88.41601 , 21.56087 ) 253 ( -88.38066 , 21.56570 )  
166 ( -88.43952 , 21.55626 ) 210 ( -88.41569 , 21.56092 ) 254 ( -88.38042 , 21.56583 )  
167 ( -88.43902 , 21.55606 ) 211 ( -88.41486 , 21.56062 ) 255 ( -88.38005 , 21.56559 )  
168 ( -88.43867 , 21.55608 ) 212 ( -88.41405 , 21.56094 ) 256 ( -88.37957 , 21.56544 )  
169 ( -88.43738 , 21.55610 ) 213 ( -88.41345 , 21.56097 ) 257 ( -88.37918 , 21.56560 )  
170 ( -88.43617 , 21.55650 ) 214 ( -88.41196 , 21.56123 ) 258 ( -88.37892 , 21.56584 )

259 ( -88.37890 , 21.56620 ) 303 ( -88.35980 , 21.56402 ) 347 ( -88.34418 , 21.55790 )  
260 ( -88.37877 , 21.56655 ) 304 ( -88.35930 , 21.56420 ) 348 ( -88.34376 , 21.55778 )  
261 ( -88.37867 , 21.56693 ) 305 ( -88.35889 , 21.56421 ) 349 ( -88.34331 , 21.55778 )  
262 ( -88.37822 , 21.56684 ) 306 ( -88.35862 , 21.56396 ) 350 ( -88.34266 , 21.55763 )  
263 ( -88.37794 , 21.56695 ) 307 ( -88.35774 , 21.56374 ) 351 ( -88.34221 , 21.55742 )  
264 ( -88.37736 , 21.56755 ) 308 ( -88.35702 , 21.56343 ) 352 ( -88.34212 , 21.55701 )  
265 ( -88.37657 , 21.56776 ) 309 ( -88.35629 , 21.56299 ) 353 ( -88.34173 , 21.55666 )  
266 ( -88.37552 , 21.56771 ) 310 ( -88.35564 , 21.56275 ) 354 ( -88.34169 , 21.55622 )  
267 ( -88.37477 , 21.56733 ) 311 ( -88.35490 , 21.56252 ) 355 ( -88.34153 , 21.55589 )  
268 ( -88.37422 , 21.56669 ) 312 ( -88.35417 , 21.56212 ) 356 ( -88.34095 , 21.55583 )  
269 ( -88.37432 , 21.56568 ) 313 ( -88.35365 , 21.56159 ) 357 ( -88.34035 , 21.55537 )  
270 ( -88.37312 , 21.56570 ) 314 ( -88.35333 , 21.56100 ) 358 ( -88.33946 , 21.55487 )  
271 ( -88.37251 , 21.56592 ) 315 ( -88.35283 , 21.56063 ) 359 ( -88.33919 , 21.55444 )  
272 ( -88.37220 , 21.56607 ) 316 ( -88.35238 , 21.56045 ) 360 ( -88.33897 , 21.55406 )  
273 ( -88.37134 , 21.56636 ) 317 ( -88.35227 , 21.56020 ) 361 ( -88.33915 , 21.55371 )  
274 ( -88.37105 , 21.56625 ) 318 ( -88.35221 , 21.55999 ) 362 ( -88.33897 , 21.55344 )  
275 ( -88.37069 , 21.56601 ) 319 ( -88.35211 , 21.55982 ) 363 ( -88.33860 , 21.55340 )  
276 ( -88.37025 , 21.56575 ) 320 ( -88.35197 , 21.55963 ) 364 ( -88.33823 , 21.55314 )  
277 ( -88.36988 , 21.56599 ) 321 ( -88.35175 , 21.55949 ) 365 ( -88.33799 , 21.55288 )  
278 ( -88.36937 , 21.56599 ) 322 ( -88.35162 , 21.55934 ) 366 ( -88.33769 , 21.55296 )  
279 ( -88.36902 , 21.56591 ) 323 ( -88.35141 , 21.55904 ) 367 ( -88.33763 , 21.55325 )  
280 ( -88.36848 , 21.56565 ) 324 ( -88.35093 , 21.55898 ) 368 ( -88.33777 , 21.55359 )  
281 ( -88.36748 , 21.56517 ) 325 ( -88.35053 , 21.55890 ) 369 ( -88.33765 , 21.55386 )  
282 ( -88.36704 , 21.56520 ) 326 ( -88.35044 , 21.55879 ) 370 ( -88.33724 , 21.55370 )  
283 ( -88.36619 , 21.56480 ) 327 ( -88.35028 , 21.55805 ) 371 ( -88.33691 , 21.55359 )  
284 ( -88.36565 , 21.56477 ) 328 ( -88.35016 , 21.55764 ) 372 ( -88.33657 , 21.55341 )  
285 ( -88.36483 , 21.56453 ) 329 ( -88.35025 , 21.55749 ) 373 ( -88.33591 , 21.55329 )  
286 ( -88.36424 , 21.56419 ) 330 ( -88.35038 , 21.55732 ) 374 ( -88.33596 , 21.55364 )  
287 ( -88.36381 , 21.56420 ) 331 ( -88.35010 , 21.55719 ) 375 ( -88.33576 , 21.55390 )  
288 ( -88.36301 , 21.56390 ) 332 ( -88.34979 , 21.55748 ) 376 ( -88.33555 , 21.55407 )  
289 ( -88.36248 , 21.56371 ) 333 ( -88.34943 , 21.55748 ) 377 ( -88.33509 , 21.55415 )  
290 ( -88.36243 , 21.56325 ) 334 ( -88.34894 , 21.55731 ) 378 ( -88.33484 , 21.55417 )  
291 ( -88.36253 , 21.56284 ) 335 ( -88.34852 , 21.55720 ) 379 ( -88.33439 , 21.55415 )  
292 ( -88.36219 , 21.56276 ) 336 ( -88.34727 , 21.55693 ) 380 ( -88.33406 , 21.55395 )  
293 ( -88.36194 , 21.56199 ) 337 ( -88.34710 , 21.55716 ) 381 ( -88.33379 , 21.55384 )  
294 ( -88.36173 , 21.56166 ) 338 ( -88.34683 , 21.55719 ) 382 ( -88.33354 , 21.55380 )  
295 ( -88.36082 , 21.56154 ) 339 ( -88.34639 , 21.55710 ) 383 ( -88.33338 , 21.55382 )  
296 ( -88.36107 , 21.56183 ) 340 ( -88.34605 , 21.55741 ) 384 ( -88.33315 , 21.55381 )  
297 ( -88.36109 , 21.56215 ) 341 ( -88.34562 , 21.55758 ) 385 ( -88.33285 , 21.55395 )  
298 ( -88.36101 , 21.56238 ) 342 ( -88.34507 , 21.55758 ) 386 ( -88.33253 , 21.55428 )  
299 ( -88.36076 , 21.56253 ) 343 ( -88.34498 , 21.55779 ) 387 ( -88.33229 , 21.55449 )  
300 ( -88.36027 , 21.56263 ) 344 ( -88.34464 , 21.55757 ) 388 ( -88.33199 , 21.55442 )  
301 ( -88.35964 , 21.56270 ) 345 ( -88.34430 , 21.55730 ) 389 ( -88.33170 , 21.55414 )  
302 ( -88.35987 , 21.56338 ) 346 ( -88.34415 , 21.55743 ) 390 ( -88.33136 , 21.55414 )

391 ( -88.33086 , 21.55380 ) 435 ( -88.32004 , 21.55224 ) 479 ( -88.30988 , 21.55230 )  
392 ( -88.33033 , 21.55386 ) 436 ( -88.31972 , 21.55197 ) 480 ( -88.30950 , 21.55236 )  
393 ( -88.32999 , 21.55363 ) 437 ( -88.31905 , 21.55174 ) 481 ( -88.30935 , 21.55246 )  
394 ( -88.32972 , 21.55355 ) 438 ( -88.31796 , 21.55171 ) 482 ( -88.30933 , 21.55269 )  
395 ( -88.32937 , 21.55359 ) 439 ( -88.31801 , 21.55149 ) 483 ( -88.30913 , 21.55287 )  
396 ( -88.32884 , 21.55338 ) 440 ( -88.31774 , 21.55110 ) 484 ( -88.30899 , 21.55292 )  
397 ( -88.32864 , 21.55308 ) 441 ( -88.31739 , 21.55076 ) 485 ( -88.30873 , 21.55276 )  
398 ( -88.32844 , 21.55285 ) 442 ( -88.31704 , 21.55064 ) 486 ( -88.30825 , 21.55274 )  
399 ( -88.32814 , 21.55297 ) 443 ( -88.31678 , 21.55095 ) 487 ( -88.30795 , 21.55266 )  
400 ( -88.32779 , 21.55287 ) 444 ( -88.31663 , 21.55114 ) 488 ( -88.30777 , 21.55249 )  
401 ( -88.32743 , 21.55262 ) 445 ( -88.31641 , 21.55137 ) 489 ( -88.30772 , 21.55224 )  
402 ( -88.32722 , 21.55232 ) 446 ( -88.31606 , 21.55163 ) 490 ( -88.30730 , 21.55215 )  
403 ( -88.32718 , 21.55252 ) 447 ( -88.31570 , 21.55163 ) 491 ( -88.30676 , 21.55222 )  
404 ( -88.32696 , 21.55250 ) 448 ( -88.31536 , 21.55144 ) 492 ( -88.30616 , 21.55220 )  
405 ( -88.32668 , 21.55258 ) 449 ( -88.31512 , 21.55134 ) 493 ( -88.30596 , 21.55193 )  
406 ( -88.32624 , 21.55250 ) 450 ( -88.31492 , 21.55138 ) 494 ( -88.30589 , 21.55172 )  
407 ( -88.32587 , 21.55238 ) 451 ( -88.31455 , 21.55139 ) 495 ( -88.30574 , 21.55178 )  
408 ( -88.32551 , 21.55224 ) 452 ( -88.31431 , 21.55146 ) 496 ( -88.30567 , 21.55200 )  
409 ( -88.32515 , 21.55216 ) 453 ( -88.31431 , 21.55162 ) 497 ( -88.30549 , 21.55209 )  
410 ( -88.32460 , 21.55216 ) 454 ( -88.31456 , 21.55185 ) 498 ( -88.30532 , 21.55224 )  
411 ( -88.32413 , 21.55228 ) 455 ( -88.31471 , 21.55222 ) 499 ( -88.30549 , 21.55248 )  
412 ( -88.32377 , 21.55242 ) 456 ( -88.31492 , 21.55255 ) 500 ( -88.30562 , 21.55263 )  
413 ( -88.32356 , 21.55223 ) 457 ( -88.31469 , 21.55281 ) 501 ( -88.30596 , 21.55263 )  
414 ( -88.32336 , 21.55205 ) 458 ( -88.31452 , 21.55276 ) 502 ( -88.30593 , 21.55320 )  
415 ( -88.32320 , 21.55183 ) 459 ( -88.31434 , 21.55251 ) 503 ( -88.30578 , 21.55325 )  
416 ( -88.32323 , 21.55151 ) 460 ( -88.31425 , 21.55259 ) 504 ( -88.30562 , 21.55295 )  
417 ( -88.32322 , 21.55117 ) 461 ( -88.31422 , 21.55282 ) 505 ( -88.30556 , 21.55273 )  
418 ( -88.32291 , 21.55092 ) 462 ( -88.31431 , 21.55314 ) 506 ( -88.30493 , 21.55248 )  
419 ( -88.32264 , 21.55057 ) 463 ( -88.31423 , 21.55337 ) 507 ( -88.30464 , 21.55229 )  
420 ( -88.32252 , 21.55045 ) 464 ( -88.31415 , 21.55342 ) 508 ( -88.30456 , 21.55188 )  
421 ( -88.32230 , 21.55063 ) 465 ( -88.31410 , 21.55320 ) 509 ( -88.30440 , 21.55219 )  
422 ( -88.32209 , 21.55097 ) 466 ( -88.31390 , 21.55308 ) 510 ( -88.30422 , 21.55253 )  
423 ( -88.32155 , 21.55084 ) 467 ( -88.31355 , 21.55307 ) 511 ( -88.30395 , 21.55255 )  
424 ( -88.32132 , 21.55063 ) 468 ( -88.31338 , 21.55297 ) 512 ( -88.30378 , 21.55234 )  
425 ( -88.32096 , 21.55067 ) 469 ( -88.31323 , 21.55288 ) 513 ( -88.30353 , 21.55218 )  
426 ( -88.32105 , 21.55032 ) 470 ( -88.31312 , 21.55280 ) 514 ( -88.30386 , 21.55265 )  
427 ( -88.32088 , 21.55034 ) 471 ( -88.31272 , 21.55284 ) 515 ( -88.30404 , 21.55296 )  
428 ( -88.32068 , 21.55075 ) 472 ( -88.31246 , 21.55261 ) 516 ( -88.30409 , 21.55317 )  
429 ( -88.32085 , 21.55129 ) 473 ( -88.31224 , 21.55233 ) 517 ( -88.30386 , 21.55315 )  
430 ( -88.32115 , 21.55147 ) 474 ( -88.31194 , 21.55225 ) 518 ( -88.30341 , 21.55305 )  
431 ( -88.32131 , 21.55201 ) 475 ( -88.31190 , 21.55255 ) 519 ( -88.30298 , 21.55295 )  
432 ( -88.32104 , 21.55243 ) 476 ( -88.31160 , 21.55270 ) 520 ( -88.30247 , 21.55268 )  
433 ( -88.32066 , 21.55247 ) 477 ( -88.31076 , 21.55265 ) 521 ( -88.30185 , 21.55219 )  
434 ( -88.32038 , 21.55229 ) 478 ( -88.31024 , 21.55235 ) 522 ( -88.30188 , 21.55192 )

523 ( -88.30130 , 21.55177 ) 567 ( -88.29366 , 21.55362 ) 611 ( -88.28419 , 21.55671 )  
524 ( -88.30099 , 21.55162 ) 568 ( -88.29347 , 21.55342 ) 612 ( -88.28386 , 21.55667 )  
525 ( -88.30058 , 21.55147 ) 569 ( -88.29323 , 21.55341 ) 613 ( -88.28366 , 21.55702 )  
526 ( -88.30046 , 21.55160 ) 570 ( -88.29309 , 21.55360 ) 614 ( -88.28353 , 21.55694 )  
527 ( -88.30067 , 21.55186 ) 571 ( -88.29278 , 21.55348 ) 615 ( -88.28370 , 21.55657 )  
528 ( -88.30076 , 21.55227 ) 572 ( -88.29240 , 21.55354 ) 616 ( -88.28371 , 21.55632 )  
529 ( -88.30094 , 21.55235 ) 573 ( -88.29251 , 21.55387 ) 617 ( -88.28345 , 21.55619 )  
530 ( -88.30092 , 21.55346 ) 574 ( -88.29249 , 21.55410 ) 618 ( -88.28294 , 21.55602 )  
531 ( -88.30079 , 21.55352 ) 575 ( -88.29228 , 21.55423 ) 619 ( -88.28285 , 21.55619 )  
532 ( -88.30048 , 21.55460 ) 576 ( -88.29191 , 21.55425 ) 620 ( -88.28265 , 21.55624 )  
533 ( -88.30072 , 21.55502 ) 577 ( -88.29177 , 21.55439 ) 621 ( -88.28248 , 21.55594 )  
534 ( -88.30113 , 21.55505 ) 578 ( -88.29172 , 21.55452 ) 622 ( -88.28245 , 21.55556 )  
535 ( -88.30127 , 21.55524 ) 579 ( -88.29138 , 21.55442 ) 623 ( -88.28223 , 21.55577 )  
536 ( -88.30122 , 21.55534 ) 580 ( -88.29118 , 21.55425 ) 624 ( -88.28208 , 21.55565 )  
537 ( -88.30094 , 21.55534 ) 581 ( -88.29076 , 21.55439 ) 625 ( -88.28223 , 21.55541 )  
538 ( -88.30076 , 21.55548 ) 582 ( -88.29077 , 21.55469 ) 626 ( -88.28200 , 21.55517 )  
539 ( -88.30058 , 21.55553 ) 583 ( -88.29049 , 21.55482 ) 627 ( -88.28189 , 21.55522 )  
540 ( -88.30000 , 21.55522 ) 584 ( -88.28993 , 21.55481 ) 628 ( -88.28169 , 21.55539 )  
541 ( -88.29992 , 21.55498 ) 585 ( -88.28942 , 21.55466 ) 629 ( -88.28154 , 21.55522 )  
542 ( -88.29956 , 21.55499 ) 586 ( -88.28936 , 21.55514 ) 630 ( -88.28130 , 21.55497 )  
543 ( -88.29932 , 21.55487 ) 587 ( -88.28913 , 21.55522 ) 631 ( -88.28117 , 21.55459 )  
544 ( -88.29930 , 21.55459 ) 588 ( -88.28875 , 21.55498 ) 632 ( -88.28123 , 21.55434 )  
545 ( -88.29933 , 21.55444 ) 589 ( -88.28851 , 21.55431 ) 633 ( -88.28106 , 21.55391 )  
546 ( -88.29926 , 21.55431 ) 590 ( -88.28815 , 21.55464 ) 634 ( -88.28087 , 21.55412 )  
547 ( -88.29888 , 21.55433 ) 591 ( -88.28826 , 21.55530 ) 635 ( -88.28092 , 21.55464 )  
548 ( -88.29826 , 21.55344 ) 592 ( -88.28793 , 21.55566 ) 636 ( -88.28056 , 21.55512 )  
549 ( -88.29806 , 21.55350 ) 593 ( -88.28752 , 21.55595 ) 637 ( -88.28064 , 21.55576 )  
550 ( -88.29785 , 21.55364 ) 594 ( -88.28738 , 21.55620 ) 638 ( -88.28082 , 21.55566 )  
551 ( -88.29762 , 21.55367 ) 595 ( -88.28691 , 21.55594 ) 639 ( -88.28120 , 21.55616 )  
552 ( -88.29733 , 21.55340 ) 596 ( -88.28679 , 21.55606 ) 640 ( -88.28111 , 21.55682 )  
553 ( -88.29734 , 21.55322 ) 597 ( -88.28693 , 21.55624 ) 641 ( -88.28092 , 21.55650 )  
554 ( -88.29718 , 21.55308 ) 598 ( -88.28686 , 21.55659 ) 642 ( -88.28067 , 21.55627 )  
555 ( -88.29693 , 21.55295 ) 599 ( -88.28642 , 21.55706 ) 643 ( -88.28080 , 21.55659 )  
556 ( -88.29643 , 21.55326 ) 600 ( -88.28625 , 21.55725 ) 644 ( -88.28076 , 21.55708 )  
557 ( -88.29625 , 21.55341 ) 601 ( -88.28586 , 21.55714 ) 645 ( -88.28049 , 21.55705 )  
558 ( -88.29606 , 21.55403 ) 602 ( -88.28570 , 21.55736 ) 646 ( -88.28036 , 21.55706 )  
559 ( -88.29581 , 21.55404 ) 603 ( -88.28555 , 21.55728 ) 647 ( -88.28025 , 21.55707 )  
560 ( -88.29560 , 21.55393 ) 604 ( -88.28507 , 21.55739 ) 648 ( -88.28022 , 21.55720 )  
561 ( -88.29540 , 21.55380 ) 605 ( -88.28483 , 21.55739 ) 649 ( -88.27984 , 21.55722 )  
562 ( -88.29531 , 21.55353 ) 606 ( -88.28480 , 21.55715 ) 650 ( -88.27961 , 21.55730 )  
563 ( -88.29459 , 21.55363 ) 607 ( -88.28457 , 21.55724 ) 651 ( -88.27953 , 21.55778 )  
564 ( -88.29446 , 21.55388 ) 608 ( -88.28447 , 21.55714 ) 652 ( -88.27945 , 21.55819 )  
565 ( -88.29416 , 21.55398 ) 609 ( -88.28451 , 21.55694 ) 653 ( -88.27952 , 21.55894 )  
566 ( -88.29391 , 21.55401 ) 610 ( -88.28445 , 21.55679 ) 654 ( -88.27943 , 21.55930 )

655 ( -88.27924 , 21.55969 ) 699 ( -88.26750 , 21.55752 ) 743 ( -88.25300 , 21.56361 )  
656 ( -88.27896 , 21.55994 ) 700 ( -88.26734 , 21.55776 ) 744 ( -88.25270 , 21.56334 )  
657 ( -88.27876 , 21.56000 ) 701 ( -88.26709 , 21.55771 ) 745 ( -88.25252 , 21.56360 )  
658 ( -88.27833 , 21.56004 ) 702 ( -88.26676 , 21.55713 ) 746 ( -88.25211 , 21.56367 )  
659 ( -88.27838 , 21.56053 ) 703 ( -88.26662 , 21.55712 ) 747 ( -88.25185 , 21.56368 )  
660 ( -88.27829 , 21.56095 ) 704 ( -88.26657 , 21.55824 ) 748 ( -88.25146 , 21.56361 )  
661 ( -88.27809 , 21.56086 ) 705 ( -88.26624 , 21.55839 ) 749 ( -88.25128 , 21.56324 )  
662 ( -88.27762 , 21.56099 ) 706 ( -88.26575 , 21.55802 ) 750 ( -88.25112 , 21.56320 )  
663 ( -88.27726 , 21.56077 ) 707 ( -88.26548 , 21.55843 ) 751 ( -88.25100 , 21.56358 )  
664 ( -88.27708 , 21.56056 ) 708 ( -88.26528 , 21.55841 ) 752 ( -88.25086 , 21.56363 )  
665 ( -88.27706 , 21.56012 ) 709 ( -88.26497 , 21.55805 ) 753 ( -88.25074 , 21.56337 )  
666 ( -88.27641 , 21.55911 ) 710 ( -88.26483 , 21.55826 ) 754 ( -88.25058 , 21.56348 )  
667 ( -88.27581 , 21.55872 ) 711 ( -88.26496 , 21.55857 ) 755 ( -88.25050 , 21.56354 )  
668 ( -88.27468 , 21.55749 ) 712 ( -88.26419 , 21.55900 ) 756 ( -88.25039 , 21.56350 )  
669 ( -88.27441 , 21.55742 ) 713 ( -88.26366 , 21.55891 ) 757 ( -88.25041 , 21.56336 )  
670 ( -88.27473 , 21.55710 ) 714 ( -88.26311 , 21.55892 ) 758 ( -88.25024 , 21.56333 )  
671 ( -88.27420 , 21.55647 ) 715 ( -88.26274 , 21.55959 ) 759 ( -88.25004 , 21.56302 )  
672 ( -88.27362 , 21.55653 ) 716 ( -88.26231 , 21.55974 ) 760 ( -88.24987 , 21.56309 )  
673 ( -88.27344 , 21.55593 ) 717 ( -88.26217 , 21.56005 ) 761 ( -88.24973 , 21.56296 )  
674 ( -88.27309 , 21.55606 ) 718 ( -88.26187 , 21.55975 ) 762 ( -88.24970 , 21.56283 )  
675 ( -88.27284 , 21.55599 ) 719 ( -88.26148 , 21.56016 ) 763 ( -88.24945 , 21.56282 )  
676 ( -88.27204 , 21.55601 ) 720 ( -88.26129 , 21.56040 ) 764 ( -88.24919 , 21.56269 )  
677 ( -88.27185 , 21.55601 ) 721 ( -88.26121 , 21.56109 ) 765 ( -88.24868 , 21.56243 )  
678 ( -88.27171 , 21.55630 ) 722 ( -88.26104 , 21.56134 ) 766 ( -88.24775 , 21.56238 )  
679 ( -88.27147 , 21.55625 ) 723 ( -88.26054 , 21.56083 ) 767 ( -88.24734 , 21.56246 )  
680 ( -88.27132 , 21.55621 ) 724 ( -88.26064 , 21.56050 ) 768 ( -88.24701 , 21.56319 )  
681 ( -88.27135 , 21.55646 ) 725 ( -88.26045 , 21.56039 ) 769 ( -88.24694 , 21.56352 )  
682 ( -88.27140 , 21.55666 ) 726 ( -88.26025 , 21.56045 ) 770 ( -88.24672 , 21.56350 )  
683 ( -88.27128 , 21.55679 ) 727 ( -88.26005 , 21.56104 ) 771 ( -88.24664 , 21.56333 )  
684 ( -88.27111 , 21.55671 ) 728 ( -88.25993 , 21.56167 ) 772 ( -88.24647 , 21.56340 )  
685 ( -88.27116 , 21.55657 ) 729 ( -88.25880 , 21.56137 ) 773 ( -88.24630 , 21.56320 )  
686 ( -88.27101 , 21.55640 ) 730 ( -88.25836 , 21.56156 ) 774 ( -88.24575 , 21.56366 )  
687 ( -88.27065 , 21.55645 ) 731 ( -88.25834 , 21.56133 ) 775 ( -88.24543 , 21.56333 )  
688 ( -88.27059 , 21.55621 ) 732 ( -88.25814 , 21.56132 ) 776 ( -88.24526 , 21.56353 )  
689 ( -88.27030 , 21.55615 ) 733 ( -88.25792 , 21.56115 ) 777 ( -88.24521 , 21.56338 )  
690 ( -88.27022 , 21.55578 ) 734 ( -88.25774 , 21.56093 ) 778 ( -88.24503 , 21.56327 )  
691 ( -88.27006 , 21.55569 ) 735 ( -88.25717 , 21.56123 ) 779 ( -88.24495 , 21.56294 )  
692 ( -88.26991 , 21.55566 ) 736 ( -88.25729 , 21.56177 ) 780 ( -88.24482 , 21.56288 )  
693 ( -88.26967 , 21.55571 ) 737 ( -88.25677 , 21.56235 ) 781 ( -88.24479 , 21.56304 )  
694 ( -88.26867 , 21.55603 ) 738 ( -88.25600 , 21.56317 ) 782 ( -88.24453 , 21.56316 )  
695 ( -88.26860 , 21.55655 ) 739 ( -88.25490 , 21.56406 ) 783 ( -88.24424 , 21.56290 )  
696 ( -88.26804 , 21.55705 ) 740 ( -88.25441 , 21.56421 ) 784 ( -88.24395 , 21.56302 )  
697 ( -88.26761 , 21.55698 ) 741 ( -88.25421 , 21.56395 ) 785 ( -88.24376 , 21.56311 )  
698 ( -88.26739 , 21.55708 ) 742 ( -88.25312 , 21.56353 ) 786 ( -88.24334 , 21.56287 )

787 ( -88.24325 , 21.56337 ) 796 ( -88.24294 , 21.56664 ) 805 ( -88.23922 , 21.56666 )  
788 ( -88.24395 , 21.56463 ) 797 ( -88.24314 , 21.56694 ) 806 ( -88.23874 , 21.56703 )  
789 ( -88.24378 , 21.56508 ) 798 ( -88.24255 , 21.56730 ) 807 ( -88.23831 , 21.56741 )  
790 ( -88.24351 , 21.56495 ) 799 ( -88.24198 , 21.56780 ) 808 ( -88.23782 , 21.57159 )  
791 ( -88.24343 , 21.56546 ) 800 ( -88.24128 , 21.56796 ) 809 ( -88.23276 , 21.56703 )  
792 ( -88.24298 , 21.56582 ) 801 ( -88.24102 , 21.56762 ) 810 ( -88.23280 , 21.56656 )  
793 ( -88.24265 , 21.56569 ) 802 ( -88.24061 , 21.56731 ) 811 ( -88.23306 , 21.56297 )  
794 ( -88.24225 , 21.56595 ) 803 ( -88.24012 , 21.56708 )  
795 ( -88.24218 , 21.56637 ) 804 ( -88.23982 , 21.56674 )



## TETIZ

## TET01-SAB\_C2

	x	y		x	y		x	y
1	( -90.11184 ,	20.99596 )	15	( -90.22230 ,	20.91626 )	29	( -90.17785 ,	20.97345 )
2	( -90.11450 ,	20.98597 )	16	( -90.21781 ,	20.92273 )	30	( -90.17764 ,	20.98795 )
3	( -90.13750 ,	20.98696 )	17	( -90.21719 ,	20.92398 )	31	( -90.17700 ,	20.98794 )
4	( -90.14813 ,	20.98678 )	18	( -90.21536 ,	20.92768 )	32	( -90.15418 ,	20.98774 )
5	( -90.17166 ,	20.96293 )	19	( -90.23782 ,	20.93076 )	33	( -90.15163 ,	20.98772 )
6	( -90.17465 ,	20.94849 )	20	( -90.23478 ,	20.93470 )	34	( -90.15096 ,	20.99699 )
7	( -90.17419 ,	20.94829 )	21	( -90.22678 ,	20.94508 )	35	( -90.13976 ,	20.99677 )
8	( -90.16129 ,	20.94267 )	22	( -90.22548 ,	20.94521 )	36	( -90.13855 ,	20.99613 )
9	( -90.15460 ,	20.93119 )	23	( -90.21292 ,	20.96601 )	37	( -90.13696 ,	20.99530 )
10	( -90.17323 ,	20.90077 )	24	( -90.20772 ,	20.96466 )	38	( -90.11975 ,	20.98625 )
11	( -90.17363 ,	20.90081 )	25	( -90.20263 ,	20.97540 )	39	( -90.11060 ,	20.99845 )
12	( -90.19380 ,	20.90311 )	26	( -90.19849 ,	20.97455 )	40	( -90.11088 ,	20.99788 )
13	( -90.20922 ,	20.90481 )	27	( -90.19155 ,	20.97314 )	41	( -90.11184 ,	20.99596 )
14	( -90.22783 ,	20.90739 )	28	( -90.17787 ,	20.97212 )			

## TET02-SEL\_AP1

	x	y		x	y		x	y
1	( -90.11060 ,	20.99845 )	20	( -90.10597 ,	20.98881 )	39	( -90.15619 ,	20.95857 )
2	( -90.11058 ,	20.99847 )	21	( -90.10862 ,	20.98686 )	40	( -90.15647 ,	20.95843 )
3	( -90.10461 ,	21.01008 )	22	( -90.11103 ,	20.98520 )	41	( -90.15678 ,	20.95824 )
4	( -90.10460 ,	21.01011 )	23	( -90.11545 ,	20.98242 )	42	( -90.15993 ,	20.95627 )
5	( -90.10459 ,	21.01011 )	24	( -90.11628 ,	20.98190 )	43	( -90.16370 ,	20.95401 )
6	( -90.08046 ,	21.00966 )	25	( -90.12076 ,	20.97908 )	44	( -90.16754 ,	20.95185 )
7	( -90.08043 ,	21.00927 )	26	( -90.12128 ,	20.97878 )	45	( -90.17026 ,	20.95043 )
8	( -90.07783 ,	21.00918 )	27	( -90.12172 ,	20.97850 )	46	( -90.17298 ,	20.94892 )
9	( -90.07769 ,	21.00821 )	28	( -90.12464 ,	20.97665 )	47	( -90.17419 ,	20.94829 )
10	( -90.07877 ,	21.00741 )	29	( -90.13180 ,	20.97241 )	48	( -90.17465 ,	20.94849 )
11	( -90.08304 ,	21.00434 )	30	( -90.13344 ,	20.97150 )	49	( -90.17166 ,	20.96293 )
12	( -90.08822 ,	21.00079 )	31	( -90.13530 ,	20.97025 )	50	( -90.14813 ,	20.98678 )
13	( -90.09183 ,	20.99843 )	32	( -90.14001 ,	20.96734 )	51	( -90.13750 ,	20.98696 )
14	( -90.09302 ,	20.99763 )	33	( -90.14259 ,	20.96588 )	52	( -90.11450 ,	20.98597 )
15	( -90.09400 ,	20.99696 )	34	( -90.14293 ,	20.96566 )	53	( -90.11184 ,	20.99596 )
16	( -90.09597 ,	20.99564 )	35	( -90.14831 ,	20.96260 )	54	( -90.11088 ,	20.99788 )
17	( -90.09915 ,	20.99354 )	36	( -90.14879 ,	20.96235 )	55	( -90.11060 ,	20.99845 )
18	( -90.10185 ,	20.99182 )	37	( -90.14926 ,	20.96209 )			
19	( -90.10204 ,	20.99169 )	38	( -90.15270 ,	20.96028 )			

## DZILAM GONZÁLEZ

## DZG03-SEL\_C3

	x	y		x	y		x	y
1	( -88.65776 ,	21.38426 )	33	( -88.58131 ,	21.42590 )	65	( -88.61574 ,	21.39925 )
2	( -88.65630 ,	21.39149 )	34	( -88.58289 ,	21.42459 )	66	( -88.61697 ,	21.39765 )
3	( -88.65410 ,	21.40535 )	35	( -88.58556 ,	21.42229 )	67	( -88.61823 ,	21.39608 )
4	( -88.65146 ,	21.40700 )	36	( -88.58589 ,	21.42201 )	68	( -88.61953 ,	21.39453 )
5	( -88.65064 ,	21.40692 )	37	( -88.58590 ,	21.42200 )	69	( -88.62087 ,	21.39300 )
6	( -88.64931 ,	21.40694 )	38	( -88.58640 ,	21.42155 )	70	( -88.62224 ,	21.39151 )
7	( -88.64822 ,	21.40690 )	39	( -88.58790 ,	21.42023 )	71	( -88.62364 ,	21.39004 )
8	( -88.64596 ,	21.40674 )	40	( -88.58943 ,	21.41895 )	72	( -88.62508 ,	21.38860 )
9	( -88.64090 ,	21.40620 )	41	( -88.58974 ,	21.41871 )	73	( -88.62655 ,	21.38720 )
10	( -88.63929 ,	21.40632 )	42	( -88.59007 ,	21.41844 )	74	( -88.62806 ,	21.38582 )
11	( -88.63537 ,	21.40670 )	43	( -88.59021 ,	21.41831 )	75	( -88.62959 ,	21.38447 )
12	( -88.63180 ,	21.40679 )	44	( -88.59178 ,	21.41699 )	76	( -88.63116 ,	21.38316 )
13	( -88.63033 ,	21.41946 )	45	( -88.59338 ,	21.41571 )	77	( -88.63276 ,	21.38188 )
14	( -88.62736 ,	21.41923 )	46	( -88.59545 ,	21.41413 )	78	( -88.63438 ,	21.38063 )
15	( -88.61892 ,	21.41857 )	47	( -88.59756 ,	21.41260 )	79	( -88.63604 ,	21.37941 )
16	( -88.61785 ,	21.42404 )	48	( -88.59874 ,	21.41178 )	80	( -88.63772 ,	21.37823 )
17	( -88.61292 ,	21.42346 )	49	( -88.60191 ,	21.40965 )	81	( -88.63943 ,	21.37708 )
18	( -88.60579 ,	21.42275 )	50	( -88.60271 ,	21.40914 )	82	( -88.64117 ,	21.37597 )
19	( -88.60178 ,	21.42328 )	51	( -88.60314 ,	21.40886 )	83	( -88.64293 ,	21.37489 )
20	( -88.59287 ,	21.42300 )	52	( -88.60461 ,	21.40793 )	84	( -88.64472 ,	21.37385 )
21	( -88.58931 ,	21.42297 )	53	( -88.60678 ,	21.40659 )	85	( -88.64532 ,	21.37352 )
22	( -88.58703 ,	21.42638 )	54	( -88.60681 ,	21.40657 )	86	( -88.64653 ,	21.37285 )
23	( -88.58560 ,	21.42755 )	55	( -88.60803 ,	21.40569 )	87	( -88.64836 ,	21.37188 )
24	( -88.58465 ,	21.42887 )	56	( -88.60869 ,	21.40516 )	88	( -88.65022 ,	21.37096 )
25	( -88.58605 ,	21.43006 )	57	( -88.60997 ,	21.40417 )	89	( -88.65209 ,	21.37007 )
26	( -88.58524 ,	21.43136 )	58	( -88.61127 ,	21.40320 )	90	( -88.65221 ,	21.37001 )
27	( -88.58497 ,	21.43177 )	59	( -88.61209 ,	21.40260 )	91	( -88.65224 ,	21.37082 )
28	( -88.58500 ,	21.43277 )	60	( -88.61302 ,	21.40186 )	92	( -88.65234 ,	21.37414 )
29	( -88.58304 ,	21.43266 )	61	( -88.61312 ,	21.40178 )	93	( -88.65135 ,	21.38189 )
30	( -88.58081 ,	21.43224 )	62	( -88.61437 ,	21.40080 )	94	( -88.65125 ,	21.38271 )
31	( -88.57837 ,	21.43209 )	63	( -88.61490 ,	21.40041 )	95	( -88.65776 ,	21.38426 )
32	( -88.58119 ,	21.42601 )	64	( -88.61571 ,	21.39929 )			

Esta hoja de firmas forma parte del Decreto 308/2015 por el que se modifica el Decreto 160/2014 por el que se expide el Programa de Ordenamiento Ecológico del Territorio Costero del Estado de Yucatán.

### **Artículos transitorios**

#### **Primero. Entrada en vigor**

Este decreto entrará en vigor el día siguiente al de su publicación en el Diario Oficial del Gobierno del Estado de Yucatán.

#### **Segundo. Derogación tácita**

Se derogan las disposiciones de igual o menor jerarquía que se opongan a lo establecido en este decreto.

Se expide este decreto en la sede del Poder Ejecutivo, en Mérida, a 12 de octubre de 2015.

**( RÚBRICA )**

**Rolando Rodrigo Zapata Bello  
Gobernador del Estado de Yucatán**

**( RÚBRICA )**

**Roberto Antonio Rodríguez Asaf  
Secretario General de Gobierno**

**( RÚBRICA )**

**Eduardo Adolfo Batllori Sampedro  
Secretario de Desarrollo Urbano y Medio Ambiente**