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## SUMARIO

### GOBIERNO DEL ESTADO

SECRETARÍA DE MEDIO AMBIENTE

RESUMEN DEL PROGRAMA DE MANEJO DEL ÁREA NATURAL  
PROTEGIDA CON CARÁCTER DE CORREDOR RIPARIO DENOMI-  
NADO PARQUE LINEAL QUETZALAPAN-SEDEÑO.

folio 1516

RESUMEN DEL PROGRAMA DE MANEJO DEL ÁREA NATURAL  
PROTEGIDA EN LA CATEGORÍA DE CORREDOR BIOLÓGICO  
MULTIFUNCIONAL Y SE DENOMINA ARCHIPIÉLAGO DE BOSQUES  
Y SELVAS DE LA REGIÓN CAPITAL DEL ESTADO DE VERACRUZ.

folio 1517

RESUMEN DEL PROGRAMA DE MANEJO DEL ÁREA VERDE RE-  
SERVADA PARA LA EDUCACIÓN ECOLÓGICA SAN JUAN DEL MONTE,  
LAS VIGAS DE RAMIREZ, VERACRUZ.

folio 1518

## NÚMERO EXTRAORDINARIO

## RESUMEN DEL PROGRAMA DE MANEJO DEL ÁREA NATURAL PROTEGIDA EN LA CATEGORÍA DE CORREDOR BIOLÓGICO MULTIFUNCIONAL Y SE DENOMINA ARCHIPIÉLAGO DE BOSQUES Y SELVAS DE LA REGIÓN CAPITAL DEL ESTADO DE VERACRUZ

### INTRODUCCIÓN

El Área Natural Protegida (ANP) en la categoría de Corredor Biológico Multifuncional, denominado "Archipiélago de Bosques y Selvas de la Región Capital del Estado de Veracruz" (ANP-CBMABS) de carácter estatal, surge a partir de la voluntad política del Gobierno del Estado de Veracruz por contribuir en la conservación de la biodiversidad de la zona centro del estado (GOE, 2015). En esta tarea, el Gobierno se acompaña de un fuerte interés de diversos sectores de la sociedad, incluyendo a la comunidad científica, por tratar de salvaguardar los espacios naturales y sus servicios ecosistémicos que aún existen en las zonas conurbadas de los municipios de Xalapa, Banderilla, Coatepec, Emiliano Zapata y Tlalnahuayocan.

Como antecedente directo, el ANP CBMABS se crea a partir de las Reservas Ecológicas Restrictivas que fueron establecidas en el Programa de Ordenamiento Urbano del Área Metropolitana Xalapa, Banderilla, Coatepec, Emiliano Zapata y Tlalnahuayocan, decretado en el año de 1998 y actualizado en el 2004 (GOE, 2004). A partir de esta estrategia y aunado al conocimiento que se ha generado en los últimos años sobre la biodiversidad que aún es posible registrar en los relictos de bosque mesófilo y selva baja caducifolia que se distribuyen por la zona centro del estado de Veracruz es que, el decreto del ANP ABSRC se presenta como una oportunidad para conservar los recursos naturales y perpetuar los servicios ecosistémicos que, al mismo tiempo, coadyuven al desarrollo sustentable regional.

El presente Programa de Manejo es un instrumento de planeación estratégica orientado por objetivos de conservación. Contiene la información básica que describe los aspectos físicos, biológicos y socioeconómicos que describen el contexto regional en el que está inmerso el ANP. A partir de este diagnóstico ambiental, se pudo diseñar los subprogramas de manejo que contienen las estrategias, los objetivos y las metas por alcanzar en el corto, mediano y largo plazo. También, se incluye un ejercicio de ordenamiento territorial y de subzonificación para regular las actividades permitidas y no permitidas dependiendo del grado de conservación de las áreas que protege el ANP.

### JUSTIFICACIÓN

La región ocupada por el área metropolitana de la ciudad de Xalapa es caracterizada por mantener relictos de ecosistemas prioritarios como el Bosque Mesófilo de Montaña o Bosque de Niebla. Estudios basados en el trabajo de Williams-Linera (2012) indicaron que la situación en la región es crítica para este ecosistema: sólo quedan 19 fragmentos de bosque de niebla relativamente no perturbado. Sin embargo, aún se encuentran muchos fragmentos de bosque y recomienda que "...parte de la estrategia debe tener como misión detener la expansión urbana hacia el oeste de Xalapa y dirigirla hacia el este, donde las pendientes son menos pronunciadas y los suelos menos frágiles, aumentar la conectividad entre los fragmentos existentes y tener en cuenta que la divulgación de estas actividades es una tarea importante y es un punto crucial de cualquier política" (GOE, 2015).

Otro aspecto a considerar ha sido la revaloración de los sistemas agroproductivos por su contribución al mantenimiento de los bosques y la biodiversidad (Hobbs et al, 2006; Lindenmayer, et al 2008). Ello ha permitido considerarlos como parte de las estrategias de conservación que podrían ayudar a recobrar la conectividad que requieren los relictos aislados de comunidades

biológicas encontrados en las inmediaciones e interiores del área metropolitana de Xalapa. De acuerdo con estudios elaborados por Manson (2008), "el sistema de cafetal de sombra extendido por toda la región se trata de uno de los agro-ecosistemas de mayor relevancia en materia de servicios ambientales, amén de su valor productivo". Esto, además de brindar una solución al problema de la fragmentación que amenaza al ecosistema, apunta a la integración de la actividad productiva a territorios dedicados a la conservación.

Asimismo, la zona metropolitana de la capital del estado se enclava en la parte media de las cuencas de los ríos Actopan y La Antigua, importantes flujos hídricos que riegan la parte central de la Planicie Costera y alimenta con nutrientes al Golfo de México, justo donde se ubican importantes puertos y pesquerías. En el trayecto de dichas cuencas se encuentran poblaciones de vocación agrícola y pecuaria que también inciden sobre el recurso hídrico. La dinámica productiva y las poblaciones en la cuenca media y baja impactan de manera negativa en la calidad del agua que recibe el Golfo de México. Asimismo, el impacto de eventos meteorológicos en la zona central del estado se vuelve más frecuente, causando perturbaciones en el ecosistema de la región y afectando instalaciones de servicios y asentamientos humanos.

Esta configuración ha exaltado la necesidad de hacer manejos integrados de las cuencas y en la protección y saneamiento de los ríos. En ese punto resalta la zona metropolitana de Xalapa como un elemento perturbador de la calidad del agua en la región, debido a la insuficiencia de infraestructura de saneamiento y a un consumo cada vez mayor del recurso hídrico. De ahí proviene la necesidad de adoptar medidas que permitan la recuperación del recurso y su manejo sustentable mediante un saneamiento adecuado. Se reconoce aquí que la disposición de áreas conservadas es una medida adecuada que debe impulsarse en las zonas urbanas para contribuir con el esfuerzo antes mencionado.

En este sentido, el marco legal ofrece la oportunidad de implementar esquemas que ejecuten acciones preventivas ante las amenazas antes mencionadas. Por un lado, la Ley Estatal de Desarrollo Urbano establece como parte del ordenamiento de las zonas urbanas la posibilidad de proteger espacios naturales a fin de mantener el equilibrio entre la infraestructura urbana y el medio natural, esto mediante las Reservas Ecológicas de carácter Restrictivo y Productivo. De acuerdo con la Actualización del Programa de Ordenamiento Urbano de la Zona Metropolitana Xalapa- Banderilla- Coatepec – Emiliano Zapata- Tlalnelhuayocan, publicado en el 2004, se designaron 6,224 ha. Protegidas mediante el Artículo 29 de la citada Ley Estatal. De esta superficie, 5,580 ha. fueron decretadas como Área Natural Protegida mediante el Decreto del 5 de enero del 2015 (GOE, 2015).

Por otro lado, y a partir del Decreto de Creación del ANP, la Ley Estatal de Protección al Ambiente actúa sobre el área referida con los propósitos que enumera el Artículo 63 de la citada normatividad, bajo el esquema de Corredor Biológico Multifuncional que detalla el Artículo 68 de la misma. Así, la confluencia de necesidades de ordenamiento y la aplicación del marco legal hacen de esta Área Natural Protegida una oportunidad para impulsar un crecimiento ordenado que aumente la calidad de vida, además que impulse actividades sustentables en la región.

## **OBJETIVO GENERAL**

Contar e instrumentar un programa de manejo para la conservación y protección de recursos naturales y servicios ecosistémicos e impulsar el desarrollo sustentable con la participación de los diversos sectores gubernamentales, la academia, institutos de investigación, la sociedad civil y los propietarios de los predios que habitan esta área natural protegida.

### OBJETIVOS ESPECÍFICOS

- Propiciar condiciones ecológicas y sociales para mantener e incrementar procesos de conectividad del ecosistema y movilidad biogenética a través del establecimiento de corredores ecológicos.
- Promover la corresponsabilidad entre propietarios de terrenos y las autoridades para salvaguardar recursos naturales de importancia regional
- Conservar relictos representativos de los ecosistemas nativos.
- Impulsar programas de reforestación y de restauración ecológica con especies nativas.
- Impulsar actividades productivas sustentables.
- Fomentar la participación de la sociedad en el reconocimiento y la conservación de espacios naturales.
- Normar y vigilar las actividades que se realizan dentro del ANP de interés

### LOCALIZACIÓN GEOGRÁFICA

El ANP Corredor biológico denominado Archipiélago de Bosques y Selvas de la Región Capital del Estado de Veracruz (ABSRC) se encuentra en la parte central del Estado de Veracruz; se encuentra parcialmente en los municipios de Banderilla, Coatepec, Emiliano Zapata, Tlalnahuayocan y Xalapa. De acuerdo a la regionalización del Instituto Nacional para el Federalismo y el Desarrollo Municipal (INAFED, 2010), los cinco municipios mencionados se ubican en la región "V. De Capital". El ANP se compone de una siete polígonos fragmentados y dispersos alrededor de la mancha urbana de la ciudad de Xalapa, factor del que deriva el nombre de Archipiélago.

La superficie del ANP está formada por un total de 5,580 hectáreas. Los límites del ANP se expresan para cada polígono en las coordenadas publicadas en el Decreto de su creación (GOE, 2015) (Anexo 1. Cuadro de construcción). Las colindancias de cada polígono son variadas, con propiedades agrícolas, ejidos, vías de comunicación, cuerpos de agua y zonas urbanas.

A pesar de definirse en el Decreto de Creación del ANP la existencia de siete polígonos, la proyección geográfica de las coordenadas definida en el Decreto de creación del ANP arroja un total de 12 unidades geométricas cerradas e independientes (GOE, 2015). En correspondencia a lo dictado por el Decreto de Creación, este Programa de Manejo se referirá en adelante a la existencia de siete unidades identificadas como Polígonos, aunque se recurrirá al término de Islas cuando la aproximación se realice al nivel de unidad geométrica cerrada o íntimamente relacionadas. De esta manera, algunos de los polígonos definidos en el Decreto de Creación del ANP y expuestos en este Programa de Manejo se encuentran compuestos por más de una Isla o unidad geométrica. Cabe agregar que, según el Programa de Ordenamiento Ecológico de la Región Capital Xalapa, contemplado para su publicación a finales de 2017, las islas que componen a los polígonos del Decreto se encuentran identificados como Unidades de Gestión Ambiental (UGA) confirmando su categoría de Área Natural Protegida (Figura 1).

Cuadro 1. Correspondencia entre polígonos expresados en el Decreto e islas identificadas

| Según Decreto de Creación del ANP                                                                                                                                                                             |                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Polígono                                                                                                                                                                                                      | Islas identificadas |
| I                                                                                                                                                                                                             | IA                  |
|                                                                                                                                                                                                               | IB*                 |
| II*                                                                                                                                                                                                           | II                  |
| III                                                                                                                                                                                                           | IIIA*               |
|                                                                                                                                                                                                               | IIIB                |
| IV                                                                                                                                                                                                            | IVA                 |
|                                                                                                                                                                                                               | IVB                 |
| V                                                                                                                                                                                                             | V                   |
| VI                                                                                                                                                                                                            | VI                  |
| VII                                                                                                                                                                                                           | VII                 |
| * Polígonos o islas que se integran de más de una forma geométrica, pero que, por fines analíticos, distancia relativa, funcionalidad administrativa y ecológica, se han mantenido bajo una sola denominación |                     |
| Fuente: Elaboración propia a partir de datos de la Gaceta Oficial del Estado y Casagñon 2016.                                                                                                                 |                     |

CARACTERÍSTICAS FÍSICO-GEOGRÁFICAS

En términos geológicos el ANP CBMABS se localiza esencialmente en la provincia del Eje Neovolcánico, en cuanto a fisiografía se encuentra en la zona de transición de esta provincias y Llanura Costera del Golfo Sur (INEGI, 2001). Según la carta edafológica E14-3 Serie II con escala 1: 250, 000 (INEGI, 2007b) se reconocen seis unidades edáficas dentro del área de estudio. El Andosol, Leptosol Luvisol, Phaeozem, Regosol y Vertisol SEMARNAT, 2008b; Medina et al. 2010).

Se observa que hay homogeneidad en el suelo de formación natural en las islas IA, IIIA, IVA, V, VI y VII. Por su parte, las islas IB, II, IIIB y IVB presentan al menos dos tipos de suelo, siendo la isla IB la que presenta mayor heterogeneidad o variedad de tipos de suelo. Excluyendo los suelos perturbados por la acción antropogénica, los suelos en el ANP son fértiles con gran abundancia de materia orgánica, generalmente constituidos por una capa delgada de reciente creación. Por otra parte, en termino de Geomorfología el área de estudio donde se encuentra el ABSRC predominan las formas de lomeríos y sierras montañosas con valles intercalados; además de formaciones de sierra volcánica escarpada en las laderas del Cofre de Perote (CIESAS, 2004).

Clima

Según la clasificación climática de Köppen adaptada para México por García (CONABIO, 1998), el ANP en comento se encuentra influenciada por seis climas que varían en función del rango altitudinal, donde los climas más cálidos se encuentran al sur, y los más fríos en las zonas altas al noroeste: C(f): Templado-húmedo con porcentaje de lluvia invernal mayor al 18% del total anual; (A)C (m) (f): Semicálido-húmedo con un porcentaje de lluvia mayor a los 10.2 del total anual; (A)C (w2): Semicálido-subhúmedo con P/T mayor a 55; (A)C (w1):

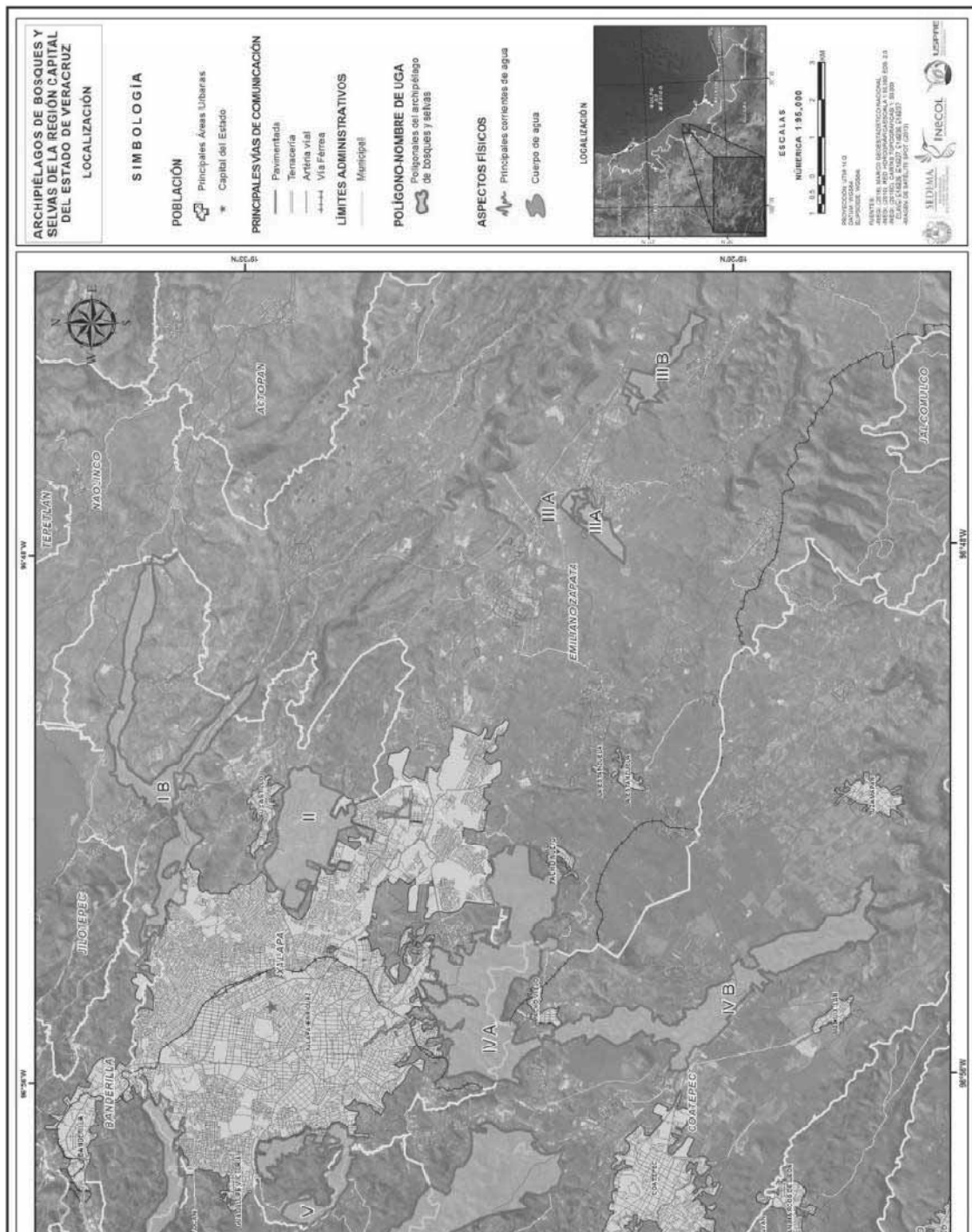


Figura 1. Localización del Archipiélago de Bosques y Selvas de la Región capital del Estado de Veracruz (ANPCB ABSRC).

Semicálido-subhúmedo con un P/T entre 43.2 y 55; (A)C (fm): Semicálido-húmedo con un porcentaje de lluvia invernal menor al 18% del total anual y Aw1: Cálido-subhúmedo con un P/T entre 43.2 y 55.3. La distribución espacial de estos climas se encuentra relacionada a las provincias fisiográficas previamente definidas, así como a la hipsometría del territorio. Ello permite que los diferentes polígonos del ANP sean representativos de diverso microclima, y así, demuestren un potencial importante de resguardar una diversidad biológica importante en su conjunto.

## TIPOS DE VEGETACIÓN

De acuerdo con Casagñon (2016) del total de la superficie de los municipios del área de estudio del ANP, se estima que sólo queda aproximadamente el 15% de la cobertura vegetal original debido a la expansión e intensidad de las actividades antrópicas. En el ANP CBMABS se encuentra representadas por una gran diversidad de tipos de vegetación, con una riqueza florística calculada entre las 7,700 y 9,136 especies (Ramamoorthy et al., 1993). A continuación, se presentan los tipos de vegetación identificados dentro de los polígonos del ABSRC, señalando algunas de sus características.

**Bosque Mesófilo de montaña**, también llamado bosque de niebla, se distribuye en la zona oeste y norte del área de estudio del ABSRC entre los municipios de Coatepec, Tlalnelhuayocan, Xalapa y Banderilla, en altitudes que van de los 1,200 msnm a los 1,400 msnm. Están constituidos por una composición arbórea tanto perennifolia de afinidad neotropical como caducifolia de afinidad holártica (Rzedowski, 2006). Albergan una alta diversidad biológica con un alto número de taxones endémicos, destacando el grupo de plantas epífitas y presenta especies tanto de origen boreal como tropical (Miranda y Sharp, 1950; Luna et al., 1988).

**Bosque de encino.** Los encinares (género *Quercus*) se ubican en altitudes entre 1,200 y 2,800 m, con isoyetas que van de los 600 y 1,200 mm y temperaturas medias anuales frecuentes de 12 a 20 °C. Los bosques de encino se dividen dentro de dos grupos climáticos principales: los templados y los de las zonas cálidas (Gómez, 1978).

**Selva baja caducifolia.** Los relictos de vegetación de selva baja se localizan al noroeste de la zona de estudio, entre los municipios de Xalapa y Emiliano Zapata. De acuerdo con Miranda y Hernández X. (1963), es una selva de árboles con altura media menor a 15 m, los cuales pierden casi completamente las hojas en la época seca, no son espinosos, y por lo común poseen abundantes bejucos. Otras formas biológicas también representadas en este tipo de vegetación son las epífitas y las cactáceas de tipo columnar y candelabroiformes, estas últimas se presentan mejormente en las fases más secas de la selva (Rzedowski, 2006).

**Vegetación ribereña.** La vegetación ribereña o bosque de galería se desarrolla dentro de los cinco municipios del área de estudio ABSRC, a lo largo de las corrientes permanentes; agrupados en alturas variables entre los 4- 40 m. Esta cobertura forma corredores naturales entre los sistemas acuático y terrestre, albergan una gran diversidad de especies y presenta un gran dinamismo ecológico.

**Vegetación secundaria.** En varias partes de la región, esta cobertura se le identifica como Acahual, y muchas veces es favorecida por la rotación de los cultivos y pastizales.

En el municipio de Xalapa las comunidades secundarias más comunes son las derivadas de Bosque Mesófilo de Montaña que se caracterizan por las siguientes especies: *Bocconia frutescens*, *Cnidocolus aconitifolius*, *Croton draco*, *Heliocarpus apendiculatus*, *Leucaena diversifolia*, *Lippia myriocephala*, *Rapaena myricoides* y *Trema micrantha* (Castillo-Campos, 1991).

**Cobertura agroforestal (cafetal de sombra).** En los polígonos del ABSRC se han desarrollado diversas actividades agrícolas, entre las que destaca el cultivo de café bajo sombra en áreas que anteriormente estaban cubiertas por Bosque Mesófilo de Montaña.

**Bosque de pino-encino.** El tipo de vegetación del bosque de pino-encino se encuentra en porciones en la zona alta. Dicha cobertura ha tenido una pérdida de superficie y de especies debido a las necesidades locales como material para construcción y productos leñosos, además de la sobreexplotación por el saqueo para su venta. Este tipo de vegetación se presenta como un mosaico cuyos componentes arbóreos dominantes pertenecen a los géneros *Quercus* y *Pinus*, los cuales alcanzan una altura máxima de 15 m. Dentro de la zona, el bosque de pino-encino se localiza generalmente en barrancas y cañadas a los 2,000 msnm, en donde las neblinas constituyen un factor importante dentro de la caracterización de la comunidad, ya que mantiene la humedad constante de estas zonas (Narave, 1985).

**Selva baja** localizada al sur-sureste del área de estudio del ABSRC se han realizado esfuerzos para recopilar información florística. Uno de estos estudios reportó 104 familias con 394 géneros y 666 especies y subespecies en una corriente de lava que pasa por los municipios de Emiliano Zapata y Xalapa (Castillo et al., 2007), y hay registros de la riqueza de orquídeas al suroeste del municipio de Emiliano Zapata con aproximadamente 48 especies, agrupadas en 35 géneros (Morales, 2009).

La diversidad paisajística entre cada polígono del ANP provee un mosaico vegetal que incluye, desde coberturas más o menos homogéneas, hasta fragmentos intercalados. Se distinguen constantes relativas, como el cafetal de sombra, el bosque mesófilo de montaña, vegetación, ribereña y pastizales. La transición de relictos primarios a otras coberturas parece estar relacionada con los sistemas productivos, por un lado, y por la ocupación para usos urbanos por el otro. Así, pueden observarse la presión sobre el Bosque de niebla por pastizales (isla IA, polígono VI y VII) o por acahual (polígono V), de cafetales por acahuals (Isla IB) o por pastizales (polígono VII), así como la desaparición de encinares por sustitución por pastizal para ganado (isla IIIA).

Destacan también las coberturas con cafetal bajo sombra del polígono IV que parecen mantenerse y permiten la subsistencia de relictos de bosque de niebla aun en la cercanía con la zona metropolitana. Finalmente, destacan por poseer casi nula presencia de vegetación primaria los Polígonos II y las Islas IIIB y IIIB, el primero fuertemente perturbado por actividades extractivas y la urbanización, y el segundo por un aprovechamiento extensivo para ganadería.

## FAUNA

Xalapa y sus alrededores han sido muy estudiados en términos de su fauna a lo largo de la historia. Aunque la ciudad de Xalapa no es grande, ha sido urbanizada rápidamente y sin una planeación adecuada en las últimas décadas (Benítez 2011; Lemoine 2012), situación que tiene un efecto en la biodiversidad a escala local y regional, principalmente la disminución de especies nativas y el aumento en especies introducidas o exóticas, lo que se hace más evidente en la ciudad.

**AVIFAUNA.** En área donde está ubicada el ANPCBM ABSRC se ha reportado una riqueza de especies de entre 160 y 200 en diferentes fragmentos de BMM. De acuerdo con la NOM-059-SEMARNAT-2010 del listado de especies reportado para el ANP (Anexo I), se considera bajo algún estado de riesgo a 74 especies entre las cuales se reportaron 27 especies amenazadas, nueve en peligro de extinción y 38 que se encuentran sujetas a una protección especial.

**MASTOFAUNA.** Veracruz es considerado uno de los estados con mayor diversidad de mamíferos, registrando 193 especies, de las cuales 185 son terrestres y ocho marinas (Gaona et al., 2003). En el ANP ABSRC se ha reportado una pérdida significativa de especies de mamíferos. En los fragmentos de BMM se encuentra el 56 % de las especies reportadas a comienzos del siglo XX (Manson, 2001). En la zona urbana y suburbana de Xalapa y Coatepec también se ha evidenciado una pérdida significativa de mastofauna, la cual se ha reducido en un 54 % debido principalmente

a la urbanización y a la agricultura (González-Romero y López-González 1993). De las 27 especies encontradas en la zona urbana tres son introducidas y muy frecuentes, rata noruega (*Rattus norvegicus*), rata negra (*R. rattus*) y ratón doméstico (*Mus musculus*); mientras que las especies nativas más ampliamente distribuidas fueron *Didelphis marsupialis* (tlacuache) y *Heterogeomys hispidus* (tuza) (González-Romero y López-González 1993). Más recientemente López-Arévalo (2010) estudió la diversidad de mamíferos medianos, cita 20 especies en el BMM: el tlacuache (*Didelphis virginiana*), el armadillo o toche (*Dasypus novemcinctus*), el coyote (*Canis latrans*), la zorra gris (*Urocyon cinereoargenteus*), el tigrillo (*Leopardus wiedii*), el gato montés (*Lynx rufus*), el puma (*Puma concolor*), la comadreja (*Mustela frenata*), el zorrillo (*Conepatus leuconotus*), el zorrillo listado (*Mephitis macroura*), el cacomixtle (*Bassariscus astutus*) y el tejón cotí (*Nasua narica*), entre otros.

**HERPETOFAUNA.** En el ANP ABSRC se registran 41 especies de anfibios divididas en 11 familias; de estas, se reportaron 22 especies endémicas: *Bolitoglossa platydactyla*, *Charadrahyla taeniopus*, *Craugastor berkenbuchii*, *Craugastor decoratus*, *Craugastor mexicanus*, *Craugastor pygmaeus*, *Craugastor rhodopis*, *Ecnomihyla miotympanum*, *Hyla euphorbiacea*, *Hyla eximia*, *Incilius cristatus*, *Incilius marmoreus*, *Incilius occidentalis*, *Parvimolge townsendi*, *Plectrohyla arboreoscandens*, *Pseudoeurycea cafetalera*, *Pseudoeurycea lineola*, *Pseudoeurycea lynchi*, y *Tlalocohyla godmani*.

De reptiles se registran 65 especies dentro de 17 familias, identificando en estos 29 especies endémicas: el lagarto alicate de bormelia (*Abronia taeniata*), *Anelytropsis papillosus*, *Anolis schiedei*, *Aspidoscelis guttata*, *Barisia imbricata*, *Celestus enneagrammus*, *Chersodromus liebmanni*, *Conopsis lineata*, *Crotalus polystictus*, *Crotalus triseriatus*, *Ctenosaura acanthura*, *Geophis semidoliatus*, *Gerrhonotus ophiurus*, *Kinosternon herrerae*, *Kinosternon leucostomum*, *Mastigodryas melanolomus*, *Phrynosoma orbiculare*, *Plestiodon brevirostris*, *Plestiodon lynxe*, *Rhadinaea forbesi*, *Sceloporus bicanthalis*, *Sceloporus formosus*, *Sceloporus jalapae*, *Sceloporus megalepidurus*, *Sceloporus mucronatus*, *Sceloporus salvini*, *Sceloporus spinosus*, *Scincella gemmingeri* y *Thamnophis sumichrasti*.

## SUBPROGRAMAS DE CONSERVACIÓN

El punto central del programa de manejo lo constituyen los diferentes subprogramas que indican las metas mínimas a las cuales debe aspirar y sujetar la operación del ANP. Estos subprogramas constituyen en su conjunto líneas estratégicas y actividades que se deben implementar en el territorio, con el objetivo de mitigar las amenazas a la biodiversidad, preservar los valores ecológicos primordiales y potenciar la sustentabilidad de las actividades de aprovechamiento a que se sujeta el territorio y el ecosistema.

El registro de las actividades y sus resultados se realiza mediante un Sistema Integral de Monitoreo que permitirá contar con información suficiente para reorientar las actividades en el mediano plazo (mediante Planes Correctivos de Atención) y actualizar en el largo plazo este Programa de Manejo. Se espera que la operación de las acciones coordinadas por la autoridad, involucre a pobladores locales, habitantes cercanos a cada polígono, especialistas, autoridades de los tres niveles de gobierno, organizaciones sociales y empresas.

Los Subprogramas que se presentan en el Programa de Manejo del ANP son:

**Subprograma de Manejo:** Su objetivo es realizar actividades productivas de bajo impacto en el ANP y otros instrumentos económicos que generen bienestar económico sin afectar al ecosistema, regulando las actividades productivas en los polígonos del ANP a fin de estimular actividades sustentables, reorientar actividades con un alto impacto ambiental e inhibir actividades incompatibles con la conservación, manteniendo también actualizada y en estado funcional la Cartera de Proyectos Productivos Sustentables y por último, impulsar el valor agregado a los productos y servicios generados en el ANP.

**Subprograma de Protección:** Tiene como objetivo general reducir y eliminar las amenazas de origen natural y antropogénico a la diversidad biológica y al equilibrio del ecosistema presente en todas las islas del ANP, poniendo en funcionamiento programas y acciones que permitan detectar posibles amenazas, naturales y antropogénicas, para detonar acciones de prevención, atención, mitigación; y compensación y aplicar sanciones para preservar el equilibrio ecológico y salvaguardar la diversidad biológica.

**Subprograma de Restauración:** Se enfoca a la implementación de acciones estratégicamente planificadas a fin de devolver a los ecosistemas las capacidades de interacción que requieren para alcanzar la funcionalidad y equilibrio ecológico, promueve también la elaboración de un diagnóstico sobre las áreas degradadas presentes en el ANP, restaurarlas también, involucrando a las comunidades presentes dentro y fuera del ANP. Y, por último, estimular el equilibrio ecológico de las áreas más perturbadas por la actividad humana, mediante la reintroducción de especies y condiciones que así lo faciliten, así como por el control de especies exóticas, ferales o nocivas.

**Subprograma de Conocimiento:** Tiene como finalidad, contar con información del entorno ecológico y social que permita la toma de decisiones más adecuadas para el manejo del ANP, así como para producir materiales formativos e informativos que induzcan a la valoración, respeto e involucramiento con el ANP y sus objetivos. Establecer los mecanismos apropiados para capturar y sistematizar los indicadores de la situación ecológica y social que permitan la toma de decisiones acerca de las prioridades de atención en el ANP. Por último, implementar el Sistema Integral de Monitoreo (SIM) como mecanismo unificador de la información relevante para la toma de decisiones, estableciendo las sinergias que para ello resulten necesarias.

**Subprograma de cultura:** Aumentar el reconocimiento de los habitantes de la zona metropolitana acerca de la importancia del entorno ecológico en que se encuentran inmersos, así como producir herramientas para la Educación Ambiental, impulsar actividades, materiales y condiciones para facilitar el acercamiento de usuarios y población en general al ANP, así como para difundir los éxitos en su manejo sustentable y las características ecológicas más importantes.

**Subprograma de Gestión:** Establecer canales de comunicación con dependencias federales, estatales y municipales, así como con, instituciones de investigación, educativas, artísticas, y sociedad civil organizada para implementar toda y cada una de las acciones contenidas en este programa de manejo; además, buscar a través de distintas instancias nacionales e internacionales recursos económicos para la operación del Área Natural Protegida. Construir alianzas que permitan mediante diversos programas cumplir con los objetivos generales de conservación y restauración del Área Natural Protegida, así mismo, conseguir los recursos económicos para la operación del Área Natural Protegida.

## ORDENAMIENTO ECOLÓGICO DEL TERRITORIO

La región de Xalapa presenta problemas debido a un fuerte crecimiento urbano desordenado, presionando el desarrollo de infraestructura para asentamientos humanos, con una predominancia sobre zonas agrícolas y forestales; estos procesos urbanos se alimentan de la sobreexplotación de los recursos naturales, destruyendo el entorno ecológico, agotando los mantos freáticos, saturando el aire y acumulando basura. Ante ello, el POERCX genera instrumentos de políticas ambientales incitados a la ordenanza del territorio con criterios ecológicos que regulan el uso de suelo y las actividades de conservación, integrando lo urbano y rural de manera conjunta. Este ordenamiento tiene carácter obligatorio para todas instancias de gobierno y particulares, convirtiéndolo en una herramienta de planeación muy importante.

Para el programa de ordenamiento ecológico las ANP son consideradas de atención prioritarias y las políticas que aplican son de protección y conservación. El Programa de Ordenamiento Ecológico de Región Capital Xalapa (POERCX) cuenta con una superficie total de 1,313.34 km<sup>2</sup> y alberga a

varias áreas naturales protegidas federales y estatales, destacando el Parque Nacional Cofre de Perote, La Martinica, el Parque Ecológico Macuiltépetl y el Archipiélago de Bosques y Selvas de la Región Capital, así como el sitio RAMSAR Cascada de Texolo y su entorno. Es importante mencionar que las autoridades, propietarios e inversionistas deben de conocer este tipo de instrumentos regulatorios, ya que el éxito en el manejo del ANP ABSRC depende en gran medida del adecuado seguimiento y aplicación de los criterios ecológicos marcados en los ordenamientos regionales.

Una directriz a seguir durante cualquier acto sobre el territorio del ANP será la de considerar las Unidades de Gestión Ambiental (UGA) definidas por el Programa de Ordenamiento Ecológico, para las colindancias con el Archipiélago de Xalapa, ya que éstas matizan los usos sobre el territorio, limitando los impactos ambientales y las perturbaciones ecológicas derivadas del desarrollo urbano. Así, gran parte de la real funcionalidad del ANP dependerá que en el territorio regional se adopten medidas que propicien el ordenamiento efectivo de los usos del territorio y mantengan una disponibilidad de recursos balanceada. Asimismo, puede esperarse que, en el mediano plazo, mediante los indicadores registrados en el Sistema Integral de Monitoreo y las experiencias acumuladas, el manejo del ABSRC brinde un campo de experimentación para los fines perseguidos por el Ordenamiento Ecológico Regional, tanto en materia de indicadores físico-biológicos, como en áreas como desarrollo sustentable, actividades de bajo impacto, y estructuras de gobernanza para su implementación.

### ZONIFICACIÓN DEL ANP

La zonificación es el instrumento de la planificación que permite el manejo de las áreas protegidas, ordenando el territorio en zonas o subzonas para sus diferentes usos dentro del área en función del grado de conservación y representatividad de los ecosistemas, la aptitud del terreno, de su uso actual y potencian, esto de conformidad con lo dispuesto en la fracción XXXIX de la Ley General del Equilibrio Ecológico y la Protección al Ambiente (LGEEPA). Por lo cual, se requiere de un manejo diferencial ya sea para la protección o recuperación de los ecosistemas, organizando de manera adecuada las diferentes actividades antrópicas.

**CRITERIOS DE ZONIFICACIÓN.** El decreto publicado el 5 de enero del 2015, establece como Corredor Biológico Multifuncional a la Reserva Archipiélago de Bosques y Selvas de la Región Capital del Estado de Veracruz con una superficie total de 5580.57 hectáreas, estas se encuentran divididas en siete polígonos distribuidos entre los municipios de Banderilla, Coatepec, Emiliano Zapata, Tlalnelhuayocan y Xalapa. De conformidad con lo estipulado en la Ley No. 62 Estatal de Protección Ambiental en Materia de Áreas Naturales Protegidas, se establecieron los criterios para la descripción y el diagnóstico del área, utilizando la cartografía disponible con los aspectos físicos, biológicos y socioeconómicos. Considerando las reformas a la LGEEPA publicadas en el Diario Oficial de la Federación, en su artículo 47 Bis referente a la zonificación, estipula que mediante el establecimiento de las áreas naturales protegidas se podrán establecer una o más zonas núcleo o de amortiguamiento, las cuales a su vez podrán estar conformadas por una o más subzonas, establecidas en el artículo 47 Bis y determinadas mediante el programa de manejo.

**Zonas Núcleo** Donde el objetivo principal es la preservación de los ecosistemas a mediano y largo plazo. Estas zonas podrán estar conformadas por las siguientes subzonas: a) De protección y b) De uso restringido.

**Zona de Amortiguamiento.** La función principal de estas zonas es orientar las actividades de aprovechamiento hacia el desarrollo sustentable, al mismo tiempo que se crean las condiciones necesarias para lograr la conservación de los ecosistemas a largo plazo. Estas zonas pueden estar conformadas por las siguientes subzonas: a) De preservación, b) De uso tradicional, c) De

aprovechamiento sustentable de los recursos naturales, d) De aprovechamiento sustentable de los ecosistemas, e) De aprovechamiento especial, f) De uso público, g) De asentamientos humanos y h) De recuperación.

### ZONIFICACIÓN Y POLÍTICAS DE MANEJO

En el archipiélago de bosques y selvas de la región capital de Xalapa se logró identificar 2 tipos de zonas y 9 subzonas. Lo que nos arrojó un total de 12.88% correspondiente a la zona núcleo y un 87.12% a la zona de amortiguamiento, encontrándose un mayor porcentaje (44.44%) de superficie para el manejo de uso tradicional y un menor porcentaje (0.83%) para el manejo de aprovechamiento especial

**METODOLOGÍA.** La delimitación de la zonificación del ABSRC se realizó con base en los siguientes insumos cartográficos: relieve (pendientes), Uso de suelo y vegetación, hidrología (corrientes de agua, cuerpos de agua y manantiales), valles fluviales, zonas arqueológicas, vías de comunicación, imagen de satélite Spot con resolución de 1.5 m y el software Google Earth. Todas estas capas se cargaron en el sistema de información geográfica (SIG), utilizando el software ArcGis 10.2.2 para sobreponerlas entre si y poder visualizar la relación de cada una de estas características, todas las capas fueron manejadas con el sistema de proyección WGS 1984 UTM Zona 14N. El proceso trató de ir identificando áreas que estuvieran acorde a los criterios antes mencionados que establece la LGEEPA en su artículo 47 Bis que hace referencia a la zonificación de las ANP, visualizando en la imagen de satélite Spot, Google Earth y la capa de uso de suelo y vegetación se fue identificando las áreas mejor conservadas con vegetación de Bosque Mesófilo de montaña, acahual y vegetación ribereña dándoles prioridad en dicha delimitación, aunado a esto se observó también las actividades económicas que existen en dichas zonas como la agricultura y otros aprovechamientos de los recursos tales como la extracción de materiales pétreos, también se tomaron en cuenta los asentamientos humanos y la accesibilidad hacia y dentro de las poligonales del ABSRC.

Posteriormente concluida la zonificación se expuso a discusión y análisis de expertos y conocedores del tema con la finalidad de validar o en su caso modificar la delimitación propuesta de dichas zonas. Además, con base en la información obtenida en los talleres se hizo una relación para revisar la concordancia de las propuestas por los participantes, estas propuestas también sirvieron para la elaboración de las matrices de las zonas de políticas de manejo.

| Zonas           | Subzona                                        | superficie (ha) | Porcentaje (%) |
|-----------------|------------------------------------------------|-----------------|----------------|
| Núcleo          | Restringido                                    | 719             | 12.88          |
| Amortiguamiento | Preservación                                   | 809.61          | 14.51          |
|                 | Uso tradicional                                | 2,480.02        | 44.44          |
|                 | Aprovechamiento sustentable de los RRNN        | 222.86          | 3.99           |
|                 | Aprovechamiento sustentable de los ecosistemas | 875.57          | 15.69          |
|                 | Aprovechamiento especial                       | 46.47           | 0.83           |
|                 | Uso público                                    | 124.04          | 2.22           |
|                 | Asentamiento humano                            | 192.36          | 3.45           |
|                 | Restauración                                   | 110.64          | 1.98           |
| Total           |                                                | 5,580.57        | 100.00         |

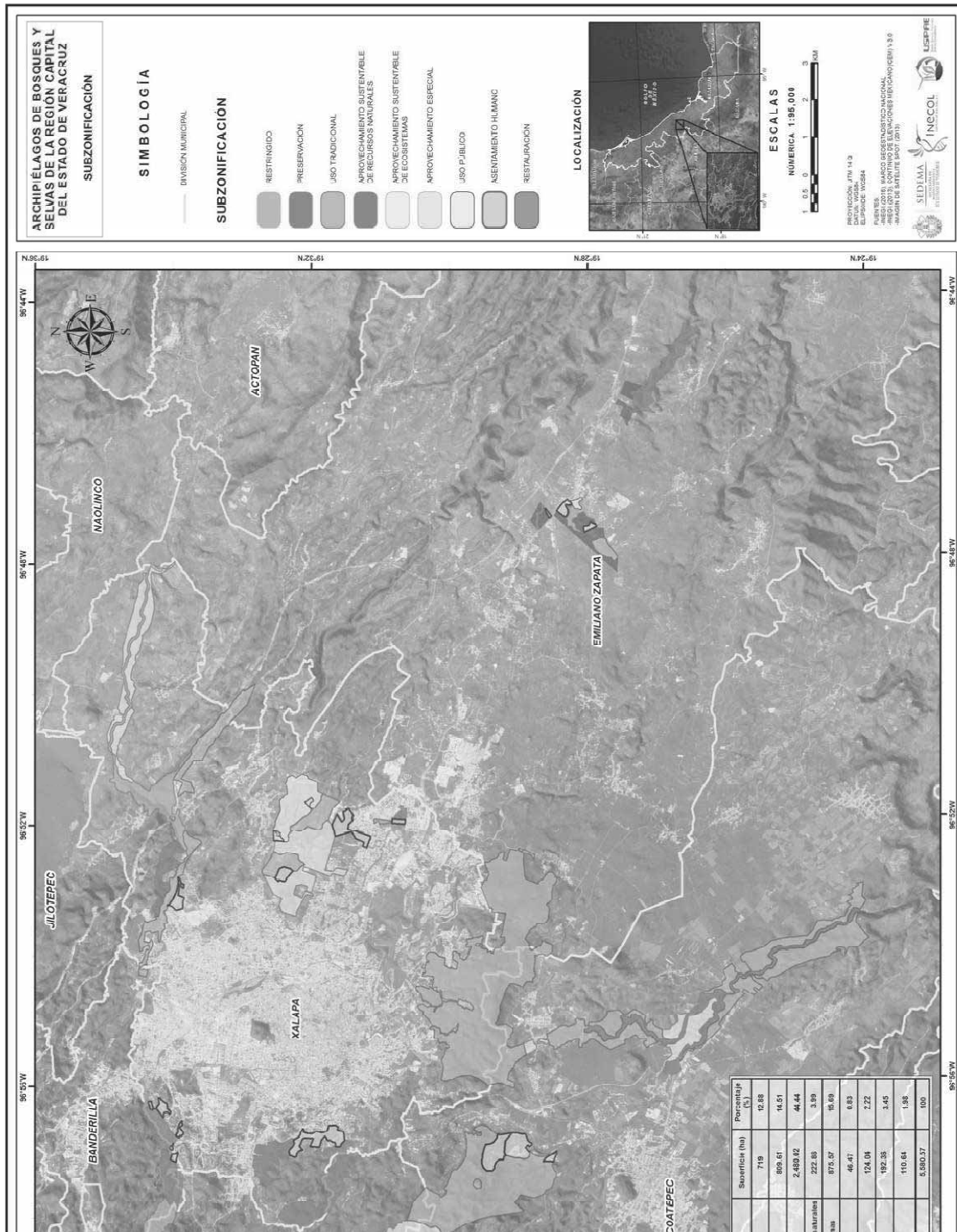
**Zonas núcleo.** Esta zona está enfocada principalmente a la conservación de ecosistemas que tienen una importancia representativa para mantener un equilibrio ecológico.

**Subzona de uso restringido.** Como lo menciona la LGEEPA (2012) la zona núcleo pueden ser de protección y de uso restringido, para el caso del archipiélago solo se identificó la de uso restringido, la cual establece que son aquellas superficies con buen estado de conservación con el fin de mantener las condiciones actuales de los ecosistemas e incluso mejorarlas, aquí se podrán realizar excepcionalmente actividades de aprovechamiento siempre y cuando no modifiquen los ecosistemas y se encuentren sujetas a estrictas medidas de control.

**Descripción.** Está constituido por seis áreas localizados en la poligonal 1, 2 y 6, con una superficie de 719 ha (12.88% del ABSRC). Son espacios donde la actividad antropogénica es somera y no modifica la estructura y contienen usos de suelo con un buen grado de conservación de Bosque Mesófilo de montaña, acahuales, algunos cultivos de café de sombra y vegetación ribereña, también está la presencia de corrientes agua como el Río Sedeño, Sordo, Palo blanco, Xocoyolapan y otros, los ángulos de inclinación de las pendientes son mayores a 20° de inclinación, lo que dificultan un poco la accesibilidad a la zona. Cabe mencionar que aquí existen dos zonas arqueológicas ubicadas en la poligonal 2 y 6 del ABSRC, estas zonas arqueológicas llevan por nombre los Nísperos (poligonal 2) y Zoncuantla.

| Subzona de Uso Restringido                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Actividades permitidas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Actividades no permitidas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <ul style="list-style-type: none"><li>•Actividades de conservación de los ecosistemas y sus elementos</li><li>•Senderismo</li><li>•Ecoturismo.</li><li>•Educación ambiental</li><li>•Inspección y vigilancia</li><li>•Investigación científica y monitoreo</li><li>•Prevención y combate de incendios y contingencias ambientales</li><li>•Restauración</li><li>•Señalización con fines de manejo y operación de áreas</li><li>•Videos y fotografía</li><li>•Extracción de semillas de vegetación nativa para reproducción en vivero<sup>1</sup></li><li>•Colecta de especies con fines científicos<sup>1</sup></li><li>•Conservación de patrimonio arqueológico y cultural</li></ul> | <ul style="list-style-type: none"><li>•Cambio de uso de suelo</li><li>•Agricultura</li><li>•Aprovechamiento de bancos de materiales pétreos</li><li>•Aprovechamiento de flora y fauna silvestre.</li><li>•Aprovechamiento forestal</li><li>•Caza deportiva o comercial</li><li>•Envenenamiento de escurrimientos y cuerpos de agua para actividades de pesca</li><li>•Exploración y explotación de minerales</li><li>•Ganadería.</li><li>•Instalación de infraestructura y nuevos centros poblacionales</li><li>•Pesca</li><li>•Silvicultura</li><li>•Uso de explosivos</li><li>•Uso de fuego en áreas forestales</li><li>•Vertimiento de cualquier tipo de contaminantes o materiales nocivos, derivado de las actividades industriales</li><li>•Extracción clandestina de recursos forestales</li><li>•Saqueo de recursos culturales</li></ul> |

<sup>1</sup>siempre y cuando cuentas con la autorización de la Dirección General de Vida Silvestre y la Licencia de Colecta Científica, tramite de SEMARNAT -08-049-A o B.



Mapa de subzonificación para la región que comprende el ABSRC.

**Zonas de Amortiguamiento.** En estas zonas se desarrollan todas las actividades productivas del ABSRC, en estas se encuentran las superficies con mayor grado de alteración, sujetas a moderaciones de uso, con menor representatividad de la vegetación natural, respeto a su superficie total en comparación con otros polígonos. Manifiestan diferentes grados de perturbación y problemática, de acuerdo con la subregión de que se trate. Estas representan zonas de alto valor ecológico que contienen una mayor diversidad.

**Subzona de preservación** De acuerdo a la LGEEPA la zona de preservación son las superficies con buen estado de conservación cuyos ecosistemas son relevantes o frágiles y donde el desarrollo de actividades requiere de un manejo específico para mantener su adecuada preservación.

**Descripción.** Esta subzona se constituye por 8 polígonos que se localizan en las poligonales 1, 2, 3, 4, 5 y 7 del ABSRC cuya superficie es de 809.61 ha (14.51%) en esta zona se encuentran algunas corrientes de agua, usos de suelo de Bosque Mesófilo de montaña con un alto grado de fragmentación, acahual, selva baja, remanentes de bosque de encino, vegetación ribereña y pastizales, cabe mencionar que dentro de esta poligonal existe una porción de un área privada de conservación llamada los manantiales por lo cual se incluyó en esta categoría. Además, en las poligonales 4 y 7 existen manantiales dentro del polígono.

| Subzona de Preservación                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Actividades permitidas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Actividades no permitidas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <ul style="list-style-type: none"><li>•Actividades de conservación de los ecosistemas y sus elementos</li><li>•Senderismo</li><li>•Ecoturismo</li><li>•Educación ambiental</li><li>•Inspección y vigilancia</li><li>•Investigación científica y monitoreo</li><li>•Prevención y combate de incendios y contingencias ambientales</li><li>•Restauración</li><li>•Señalización con fines de manejo y operación de áreas</li><li>•Videos y fotografía</li><li>•Extracción de semillas de vegetación nativa para reproducción en vivero<sup>1</sup></li><li>•Colecta de especies con fines científicos<sup>1</sup></li></ul> | <ul style="list-style-type: none"><li>•Agricultura</li><li>•Aprovechamiento de bancos de materiales pétreos</li><li>•Aprovechamiento de flora y fauna silvestre</li><li>•Aprovechamiento forestal</li><li>•Caza deportiva o comercial</li><li>•Envenenamiento de escurrimientos y cuerpos de agua para actividades de pesca</li><li>•Exploración y explotación de minerales</li><li>•Ganadería</li><li>•Instalación de infraestructura y nuevos centros poblacionales</li><li>•Pesca</li><li>•Silvicultura</li><li>•Uso de explosivos</li><li>•Uso de fuego en áreas forestales</li><li>•Vertimiento de cualquier tipo de contaminantes o materiales nocivos, derivado de las actividades industriales.</li><li>•Extracción clandestina de recursos forestales</li><li>•Introducción de especies exóticas</li></ul> |

<sup>1</sup> siempre y cuando cuentes con la autorización de la Dirección General de Vida Silvestre y la Licencia de Colecta Científica, tramite de SEMARNAT -08-049-A o B.

**Subzona de uso tradicional.** Son aquellas superficies donde los recursos naturales están siendo aprovechados de manera tradicional y continua, pero que no causan alteraciones significativas en el ecosistema y se relacionan con la satisfacción de las necesidades socioeconómicas y culturales de la población dentro del área (LGEEPA, 2012).

**Descripción.** Está subzona cuenta con una superficie de 2,480.02 ha (44.44%) está formado por 13 polígonos que se localizan en la poligonal 1, 2, 3, 4, 6 y 7 del ABSRC, en esta zona se encuentran actividades como la agricultura, la ganadería, cultivos de café y donde el Bosque Mesófilo esta perturbado y fragmentado por algunas vías de comunicación, las pendientes van del orden de 3° a 15° de inclinación y en algunos casos de 20°.

| Subzona de Uso Tradicional                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Actividades permitidas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Actividades no permitidas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <ul style="list-style-type: none"> <li>• Actividades de vigilancia y protección</li> <li>• Agricultura sin extender lo actual <sup>1,4 y 5</sup></li> <li>• Agroforestería</li> <li>• Auto consumo de los pobladores</li> <li>• Campismo y senderismo.</li> <li>• Ecoturismo.</li> <li>• Educación ambiental.</li> <li>• Ganadería <sup>1,4 y 5</sup></li> <li>• Inspección y vigilancia.</li> <li>• Instalación de infraestructura pública o privada<sup>2</sup></li> <li>• Investigación científica y monitoreo.</li> <li>• Pesca artesanal</li> <li>• Prevención y combate de incendios y contingencias ambientales.</li> <li>• Restauración ecológica.</li> <li>• Señalización con fines de manejo y operación del área.</li> <li>• Videos y fotografía</li> <li>• Apicultura</li> <li>• Acuicultura</li> <li>• Elaboración de materiales de construcción de manera artesanal (ladrillos)</li> <li>• Implementar nuevos sistemas de producción agrícola<sup>1</sup></li> </ul> | <ul style="list-style-type: none"> <li>• Cambios de uso del suelo para el desarrollo inmobiliario</li> <li>• Aprovechamiento de productos para construcción y bancos de material</li> <li>• Caza deportiva o comercial</li> <li>• Verter o descargar contaminantes o cualquier material nocivo, derivados de las actividades mineras e industrial</li> <li>• Nuevos centros poblacionales</li> <li>• Perturbación de la flora y fauna</li> <li>• Uso de agroquímicos</li> <li>• Envenenamiento de escurrimientos y cuerpos de agua</li> <li>• Quema de residuos</li> <li>• Aprovechamiento de RRNN</li> </ul> |

<sup>1</sup> Sólo cuando se desarrolle bajo un esquema de sustentabilidad, de bajo impacto ambiental y propicie un involucramiento activo y socioeconómicamente benéfico las poblaciones locales.

<sup>2</sup> Únicamente aquella infraestructura de apoyo que se requiera, que sea de bajo impacto utilizando métodos tradicionales y materiales propios de la región.

<sup>3</sup> Únicamente las que se aprovechan de forma tradicional para autoconsumo: palma chit, guano y madera para leña.

<sup>4</sup> Sólo las que se desarrollan bajo el marco de sustentabilidad.

<sup>5</sup> Únicamente en las superficies ya establecidas sin permitir su expansión, siempre y cuando estén fuera de terrenos nacionales.

Actividades que se permiten en esta subzona.

**Subzona de aprovechamiento sustentable de los recursos naturales.** Son las superficies en donde los recursos naturales pueden ser aprovechados y que por motivos de uso y conservación de sus ecosistemas a largo plazo es necesario que todas las actividades se realicen bajo un esquema de aprovechamiento sustentable. Solo se permitirá el aprovechamiento y manejo de los recursos naturales renovables, siempre y cuando la acción genere beneficios para los pobladores locales. Asimismo, el aprovechamiento sustentable de la vida silvestre podrá llevarse a cabo si se garantiza la producción controlada de las especies.

**Descripción.** Esta subzona tiene una superficie aproximada de 222.86 ha (3.99%) está conformado por dos polígonos que se encuentran en las poligonales 1 y 6 de ABSRC, cuyos usos de suelo son la agricultura, pastizales y los cultivos de café, también se presentan remanentes de Bosque Mesófilo de montaña y vegetación ribereña, la actividad antropogénica es baja y existe la presencia de ríos como es el Pixquíac, el Sedeño y dos manantiales que están muy cerca de la poligonal 6. El ángulo de inclinación de las pendientes va de 10° a 45°.

| Subzona de Aprovechamiento Sustentable de los Recursos Naturales                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Actividades permitidas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Actividades no permitidas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <ul style="list-style-type: none"><li>•Actividades<sup>2</sup> de conservación de los ecosistemas y sus elementos.</li><li>•Ecoturismo.</li><li>•Educación ambiental.</li><li>•Inspección y vigilancia.</li><li>•Investigación científica y monitoreo.</li><li>•Prevención y combate de incendios y contingencias ambientales.</li><li>•Restauración.</li><li>•Reforestación</li><li>•Pesca</li><li>•Aprovechamiento forestal</li><li>•Señalización con fines de manejo y operación de áreas.</li><li>•Videos y fotografía</li><li>•Extracción de semillas de vegetación nativa para reproducción en vivero<sup>1</sup>.</li><li>•Agricultura<sup>2</sup></li><li>•Ganadería<sup>2</sup></li><li>•Silvicultura</li><li>•Apicultura</li><li>•Cacería de autocunsumo<sup>3</sup></li><li>•Aprovechamiento de agua</li><li>•Truchicultura</li><li>•Campismo y senderismo.</li></ul> | <ul style="list-style-type: none"><li>•Aprovechamiento de bancos de materiales pétreos.</li><li>•Caza deportiva o comercial.</li><li>•Envenenamiento de escurrimientos y cuerpos de agua para actividades de pesca.</li><li>•Exploración y explotación de minerales.</li><li>•Instalación de infraestructura y nuevos centros poblacionales.</li><li>•uso de explosivos.</li><li>•Uso de fuego en áreas forestales.</li><li>•Vertimiento de cualquier tipo de contaminantes o materiales nocivos, derivado de las actividades industriales.</li><li>•Instalación de infraestructura industrial.</li><li>•Introducción de especies exóticas.</li></ul> |
| <p><sup>1</sup> Siempre y cuando el usuario cuente con el aviso, permiso, autorización o concesión correspondiente.</p> <p><sup>2</sup> Únicamente en superficies ya establecidas para el desarrollo de esta actividad y sin permitir el crecimiento de nuevas superficies.</p> <p><sup>3</sup> Solo se permite la cacería de subsistencia, realizada por los habitantes de las comunidades ubicadas en la subzona.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

**Subzona de aprovechamiento sustentable de los ecosistemas.** Son las áreas cuyas superficies tengan la presencia de usos agrícolas y pecuarios actuales. En esta subzona se podrá realizar actividades agrícolas y pecuarias que sean de baja intensidad y que se lleven a cabo en predios que tengan la aptitud natural para esa actividad y en aquellas donde se realicen de manera cotidiana. Cabe mencionar que en la poligonal 2 existe un manantial que está muy cerca, pero no está dentro del ABSRC, sin embargo, es muy importante para los ecosistemas cercanos.

**Descripción.** Esta subzona tiene una superficie de 875.57 ha (15.69%), y están constituido por 11 polígonos los cuales se encuentran en las poligonales 1, 2, 4 y 6 del ABSRC, esta zona está delimitada principalmente por los usos de suelo de agricultura y pastizales y por pendientes menores a 30° de inclinación, las vialidades son mínimas y la actividad antropogénica es baja.

| Subzona de Aprovechamiento sustentable de los ecosistemas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Actividades permitidas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Actividades no permitidas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <ul style="list-style-type: none"> <li>• Actividades<sup>2</sup> de conservación de los ecosistemas y sus elementos.</li> <li>• Agricultura<sup>2</sup></li> <li>• Ganadería<sup>2</sup></li> <li>• Agroforestería</li> <li>• Silvicultura</li> <li>• Ecoturismo.</li> <li>• Educación ambiental.</li> <li>• Inspección y vigilancia.</li> <li>• Investigación científica y monitoreo.</li> <li>• Prevención y combate de incendios y contingencias ambientales.</li> <li>• Reforestación</li> <li>• Pesca</li> <li>• Aprovechamiento forestal</li> <li>• Señalización con fines de manejo y operación de áreas.</li> <li>• Fotografía y video</li> <li>• Restauración</li> <li>• Truchicultura.</li> <li>• Campismo y senderismo.</li> </ul> | <ul style="list-style-type: none"> <li>• Aprovechamiento de bancos de materiales pétreos.</li> <li>• Envenenamiento de escurrimientos y cuerpos de agua para actividades de pesca.</li> <li>• Exploración y explotación de minerales.</li> <li>• Instalación de infraestructura y nuevos centros poblacionales.</li> <li>• uso de explosivos.</li> <li>• Uso de fuego en áreas forestales.</li> <li>• Vertimiento de cualquier tipo de contaminantes o materiales nocivos, derivado de las actividades industriales.</li> <li>• Cacería deportiva o comercial.</li> <li>• Instalación de infraestructura y nuevos centros poblacionales.</li> <li>• Desviación de corrientes de agua.</li> </ul> |

<sup>1</sup> Siempre y cuando el usuario cuente con el aviso, permiso, autorización o concesión correspondiente.

<sup>2</sup> Únicamente en superficies ya establecidas para el desarrollo de esta actividad y sin permitir el crecimiento de nuevas superficies.

<sup>3</sup> Solo se permite la cacería de subsistencia, realizada por los habitantes de las comunidades ubicadas en la subzona.

**Subzona de aprovechamiento especial.** Son aquellas superficies que generalmente cuentan con un área reducida, con presencia de recursos naturales que son esenciales para el desarrollo social y que se deben de explotar sin deteriorar el ecosistema, modificar el paisaje, ni provocar impactos ambientales que puedan ser irreversibles en los elementos naturales que lo conformen.

**Descripción.** Esta subzona contempla una superficie de 46.47 ha (0.83%), se constituye por tres polígonos y está delimitada por bancos de extracción de materiales pétreos (se desconoce el uso del material), pequeñas superficies insignificantes de Bosque Mesófilo de montaña y superficies de cultivos de café y pastizales, se presentan ángulos de inclinación de pendientes de 10° a 30° y la actividad antropogénica es muy baja.

| Subzona de Aprovechamiento Especial                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Actividades permitidas                                                                                                                                                                                                                                                                                                                                                                                                                                    | Actividades no permitidas                                                                                                                                                                                                                                                                                           |
| <ul style="list-style-type: none"><li>•Reforestación ecológica</li><li>•Exploración minera</li><li>•Explotación minera</li><li>•Aprovechamiento de materiales pétreos</li><li>•Instalación de infraestructura</li><li>•Señalización</li><li>•Actividades de conservación de los ecosistemas y sus elementos</li><li>•Inspección y vigilancia</li><li>•Video y fotografía</li><li>•Prevención y combate de incendios y contingencias ambientales</li></ul> | <ul style="list-style-type: none"><li>•Uso de explosivos</li><li>•Turismo</li><li>•Vertimiento de cualquier tipo de contaminantes o materiales nocivos derivados de las actividades industriales a los cuerpos de agua</li><li>•Cacería y/o Ganadería</li><li>•Aprovechamiento de flora y fauna silvestre</li></ul> |

**Subzona de uso público.** Son aquellas superficies que presentan atractivos naturales para las actividades de recreación y esparcimiento, en donde es posible mantener concentraciones de visitantes en límites basados a la capacidad de carga del ecosistema.

**Descripción.** Está subzona tiene una superficie de 124.04 ha (2.22%) localizada en la poligonal 4 y 3 del ABSRC esta zona está delimitada principalmente por la laguna del castillo que podría ser una importante zona turística, vegetación de acahual y cultivo de café, su pendiente es de entre 1° y 10° de inclinación.

| Subzona de Uso Público                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Actividades permitidas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Actividades no permitidas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <ul style="list-style-type: none"><li>•Actividades de conservación de los ecosistemas y sus elementos.</li><li>•Senderismo</li><li>•Ecoturismo</li><li>•Educación ambiental</li><li>•Investigación científica y monitoreo.</li><li>•Restauración</li><li>•Señalización con fines de manejo y operación de áreas</li><li>•Videos y fotografía</li><li>•Bicicleta de montaña</li><li>•Turismo de bajo impacto ambiental</li><li>•Campismo</li><li>•Reforestación</li><li>•Inspección y vigilancia</li><li>•Prevención y combate de incendios y contingencias ambientales</li><li>•Pesca</li></ul> | <ul style="list-style-type: none"><li>•Agricultura</li><li>•Aprovechamiento de bancos de materiales pétreos</li><li>•Aprovechamiento de flora y fauna silvestre.</li><li>•Aprovechamiento forestal</li><li>•Caza deportiva o comercial<ul style="list-style-type: none"><li>•Envenenamiento de escurrimientos y cuerpos de agua para actividades de pesca.</li></ul></li><li>•Exploración y explotación de minerales</li><li>•Ganadería</li><li>•Instalación de infraestructura y nuevos centros poblacionales.</li><li>•Silvicultura</li><li>•Uso de explosivos</li><li>•Uso de fuego en áreas forestales</li></ul> |

| Subzona de Uso Público |                                                                                                                                                                  |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        | <ul style="list-style-type: none"> <li>•Vertimiento de cualquier tipo de contaminantes o materiales nocivos, derivado de las actividades industriales</li> </ul> |

### Subzona de asentamiento humano.

Son las superficies en donde el establecimiento de asentamientos humanos previos a la declaratoria de ANP, han modificado sustancialmente o ha llevado a la desaparición de los ecosistemas originales.

**Descripción.** Esta subzonificación tiene una superficie aproximada de 192.36 ha (3.45%) se constituye de 14 polígonos que se distribuyen en las poligonales 1,2, 3, 5, y 6 del ABSRC, está delimitada por los asentamientos y la traza de fraccionamiento en construcción que estaban antes de la declaratoria del decreto, además las vialidades y las pendientes poco inclinadas (< 20°) proporcionan una alta accesibilidad al área.

| Subzona de Asentamiento Humano                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Actividades permitidas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Actividades no permitidas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <ul style="list-style-type: none"> <li>•Actividades de conservación de los ecosistemas y sus elementos.</li> <li>•Senderismo.</li> <li>•Ecoturismo.</li> <li>•Educación ambiental.</li> <li>•Instalación de infraestructura y nuevos centros poblacionales.</li> <li>•Se deberá regular el crecimiento de las áreas urbanas.</li> <li>•Señalización con fines de manejo y operación de áreas.</li> <li>•El desarrollo de zonas habitacionales deberá estar enmarcado en los planes de desarrollo municipal correspondientes.</li> <li>•La planeación de las áreas urbanas deberá llevarse a cabo bajo criterios de conservación ambiental<sup>2</sup>.</li> <li>•Turismo</li> <li>•Inspección y vigilancia</li> <li>•Prevención y combate de incendios y contingencias ambientales</li> <li>•Restauración</li> <li>•Desarrollo de viveros</li> <li>•Establecimiento de UMAS</li> <li>•Protección y conservación de sistemas y recursos naturales</li> <li>•Instalación de infraestructura industrial, turismo o de servicios</li> </ul> | <ul style="list-style-type: none"> <li>•Agricultura</li> <li>•Aprovechamiento de bancos de materiales pétreos</li> <li>•Aprovechamiento forestal</li> <li>•Aprovechamiento de flora y fauna silvestre.</li> <li>•Establecimiento de nuevos asentamientos humanos y de reservas territoriales</li> <li>•Aprovechamiento forestal.</li> <li>•Caza deportiva o comercial.</li> <li>•Envenenamiento de escurrimientos y cuerpos de agua para actividades de pesca.</li> <li>•Exploración y explotación de minerales.</li> <li>•Ganadería.</li> <li>•Instalación de nuevos centros poblacionales</li> <li>•Pesca</li> <li>•Uso de explosivos</li> <li>•Uso de fuego en áreas forestales</li> <li>•Vertimiento de cualquier tipo de contaminantes o materiales nocivos, derivado de las actividades industriales</li> <li>•Instalación de basureros sin previo estudio justificativo</li> <li>•Generación de incendios</li> <li>•Introducción de especies exóticas</li> </ul> |

| Subzona de Asentamiento Humano                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><sup>1</sup> Se deberán realizar los estudios necesarios para identificar sitios que reúnan las características adecuadas para la disposición de basura.</p> <p><sup>2</sup> Se promoverá el establecimiento de un sistema de planeación del crecimiento urbano de los núcleos ejidales y demás comunidades rurales existentes</p> |

**Subzona de Restauración.** Son las superficies en las que los recursos naturales han resultado severamente alterados o modificados, estas subzonas deberán utilizarse preferentemente en la rehabilitación de los ecosistemas originales. La restauración son las actividades tendientes a la recuperación y establecimiento de las condiciones que propician la evolución y continuidad de los procesos naturales.

**Descripción.** Esta subzona cuenta con una superficie de 110.64 ha (1.98%) del ABSRC, los usos de suelo que se presentan en esta subzona son, actividades agrícolas, ganaderas y vegetación secundaria, así como remanentes de bosque de encino con un severo deterioro, también dentro se encuentra una porción de un mini parque industrial que se encuentra casi llegando a la localidad de Corral Falso.

| Subzona de Restauración                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Actividades permitidas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Actividades no permitidas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <ul style="list-style-type: none"><li>• Restauración ecológica</li><li>• Reintroducción de especies nativas</li><li>• Construcción de torres de observación</li><li>• Mitigación de impacto ambientales</li><li>• Monitoreo ambiental</li><li>• Supervisión y vigilancia</li><li>• Obras de conservación de suelo y agua</li><li>• Señalización.</li><li>• Control y prevención de incendios</li><li>• Investigación científica y colecta científica</li><li>• Video y fotografía</li><li>• Implementar actividades amigables con el ambiente</li></ul> | <ul style="list-style-type: none"><li>• Agricultura</li><li>• Aprovechamiento de bancos de materiales pétreos</li><li>• Aprovechamiento de flora y fauna silvestre.</li><li>• Establecimiento de nuevos asentamientos humanos y de reservas territoriales</li><li>• Aprovechamiento forestal</li><li>• Caza deportiva o comercial</li><li>• Envenenamiento de escurrimientos y cuerpos de agua para actividades de pesca</li><li>• Exploración y explotación de minerales</li><li>• Ganadería</li><li>• Instalación de infraestructura y nuevos centros poblacionales</li><li>• Pesca</li><li>• Silvicultura.</li><li>• uso de explosivos</li><li>• Uso de fuego en áreas forestales</li><li>• Vertimiento de cualquier tipo de contaminantes o materiales nocivos, derivado de las actividades industriales</li><li>• Desmonte</li><li>• Tiraderos de basura</li><li>• Restricción de nuevas vías de acceso</li><li>• Instalación de infraestructura industrial</li><li>• Introducción de especies exóticas</li><li>• Extracción de flora y fauna</li></ul> |

**Zona de influencia.** Uno de los objetivos del ANP corresponde con facilitar la conectividad biológica entre ecosistemas. Ello requiere que los esfuerzos de conservación se extiendan más allá de los límites de las áreas naturales protegidas, y que incluya el mantenimiento de remanentes que formen corredores intra urbanos. La zona de influencia tiene su fundamento teórico en la Ley General del Equilibrio Ecológico y Protección al Ambiente (LGEEPA) y a su vez su reglamento define la zona de influencia como las "superficies aledañas a la poligonal de un Área Natural Protegida y que mantiene una estrecha relación social, económica y ecológica" (Domínguez, 2009).

En las áreas que circundan los polígonos del ABSRC existen ecosistemas forestales en buen estado de conservación, mismos que son utilizados por la fauna silvestre como zonas de refugio para su alimentación y reproducción. En ellos se deberán de proponer estrategias y acciones de conservación que hagan extensivos los objetivos del ANP, para lo cual deberá colaborar la Estructura Administrativa del ANP junto con las autoridades pertinentes, a fin de extender actividades de educación ambiental y manejo sustentable de forma coordinada. En este esfuerzo de conectividad deben incluirse camellones, parques y jardines, así como las otras ANP y Áreas Voluntariamente Destinadas a la Conservación dispuestas en la zona urbana y alrededores.

Asimismo, en la colindancia del ANP se localizan instalaciones urbanas con un Coeficiente de Uso de Suelo intensivo, de las cuales se espera un cambio hacia una actitud más responsable en el manejo de linderos con el ANP y la vegetación y fauna remanente. Ello ha de trabajarse mediante acciones de educación ambiental que reorienten a los pobladores de estos asentamientos hacia una perspectiva de interacción positiva con los recursos naturales, así como impulsando la participación de las poblaciones en las diversas actividades de conservación y manejo sustentable que se implementen.

**Descripción.** La zona de influencia delimitada se localiza entre las coordenadas extremas señaladas en el cuadro 90. Comprendiendo una superficie de aproximadamente 65,919.65 ha, que rodea al contorno de la reserva Archipiélago de Bosques y Selvas de la región Capital abarcando los cinco municipios considerados en la declaratoria.

| Zona  | Latitud     | Longitud    |
|-------|-------------|-------------|
| Norte | 19°36'45" N | 96°56'30" W |
| Sur   | 19°21'27" N | 96°48'4" W  |
| Este  | 19°26'56" N | 96°40'36" W |
| oeste | 19°31'24" N | 96°6'21" W  |

Las actividades económicas realizadas en los municipios que ocupan el área de influencia del ANP CMABS son de carácter primario y secundario donde los centros poblacionales más grandes como Xalapa, Coatepec y Emiliano Zapata son los sitios donde los pobladores acuden para comercializar sus productos y se abastecen de productos básicos para sus hogares. Debido al cambio de uso del suelo ocasionado por las actividades agropecuarias o la expansión urbana, en la zona de influencia existen áreas degradadas. Por lo cual, las actividades y programas a desarrollar en esta zona, deberán de tener como finalidad la conservación de la biodiversidad en los alrededores de la reserva, realizando un manejo adecuado de los recursos naturales, con el objetivo de controlar y contrarrestar los efectos ocasionados a los ecosistemas por las actividades humanas.

Distribución de funciones en el Esquema Administrativo del ANP CBMABS.

| Organismo                                                                                                                                                                                         | Funciones                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dirección del ANP: Integrada a la Administración Pública del Gobierno del Estado de Veracruz                                                                                                      | <ul style="list-style-type: none"><li>•Gestión administrativa y de recursos</li><li>•Administración de acuerdos y convenios</li><li>•Representación ejecutiva y jurídica del ANP</li><li>•Administración del SIM</li><li>•Coordinación y apoyo a Organismos Representativos</li><li>•Integración de evaluación del desempeño y de informes requeridos</li><li>•Autorización y permisos</li><li>•Contratación de asesorías y estudios</li></ul> |
| Organismo Representativo: Integrantes indispensables: Propietarios, habitantes, productores y servicios y Dirección del ANP. Integrantes opcionales: Comités locales, academia, ONG, particulares | <ul style="list-style-type: none"><li>•Centralizar, sistematizar y circular información</li><li>•Promover la participación</li><li>•Actividades de coordinación y promoción</li><li>•Impulsar acciones colectivas</li><li>•Compilar, sistematizar u canalizar informes al SIM</li></ul>                                                                                                                                                        |
| Nivel Operativo: Actores directamente involucrados                                                                                                                                                | <ul style="list-style-type: none"><li>•Generar información sobre el ecosistema y actividades en el territorio</li><li>•Impulsar actividades sustentables y de restauración</li><li>•Apoya vigilancia y protección</li></ul>                                                                                                                                                                                                                    |

REGLAMENTO DEL ANP

- Regla 1.** Las presentes reglas administrativas son de observancia general y obligatorias para todas las personas físicas o morales que realicen obras o actividades dentro del ANP Corredor Biológico Multifuncional: Archipiélago de Bosques y Selvas de la Región Capital del Estado de Veracruz, localizado en los municipios de: Banderilla, Xalapa, Emiliano Zapata, Tlalnahuayocan y Coatepec, en la zona centro del estado de Veracruz de Ignacio de la Llave con una superficie de 5,580 hectáreas.
- Regla 2.** La aplicación de las presentes reglas corresponde a la Secretaría de Medio Ambiente del Estado de Veracruz, sin perjuicio de las atribuciones que correspondan a otras dependencias del poder Ejecutivo Estatal y Ejecutivo Federal.
- Regla 3.** Todo usuario de los recursos naturales del ANP deberá contar con los permisos de las autoridades correspondientes y estar en concordancia con los usos permitidos en la zonificación establecida en el área.
- Regla 4.** Todos los usuarios, prestadores de servicios turísticos y visitantes del Corredor Biológico Multifuncional: Archipiélago de Bosques y Selvas de la Región Capital del Estado de Veracruz, deberán recoger y llevar consigo la basura generada durante el desarrollo de sus actividades y depositarla en los sitios destinados para ello.
- Regla 5.** Cualquier persona que para el desarrollo de sus actividades dentro del Corredor Biológico Multifuncional: Archipiélago de Bosques y Selvas de la Región Capital del Estado de Veracruz requiera de una concesión, autorización, o permiso, estará obligada a presentarla cuantas veces le sea requerida por la Dirección del área natural protegida, y la Procuraduría Estatal de Protección del Medio Ambiente del Estado de Veracruz.

**Regla 6.** Los visitantes, prestadores de servicios turísticos y en general todo usuario del Área Natural Protegida, deberán cumplir con las siguientes obligaciones:

- I. Hacer uso exclusivamente de las rutas y senderos establecidos;
- II. Respetar la señalización y la subzonificación;
- III. Atender las observaciones y recomendaciones formuladas por la Dirección, relativas a asegurar la protección y conservación de los ecosistemas;
- IV. Brindar el apoyo y las facilidades necesarias para realizar labores de inspección, vigilancia, protección y control, así como en situaciones de emergencia o contingencia;
- V. Hacer del conocimiento de la Dirección del Área y del Organismo Representativo sobre las irregularidades que hubieren observado durante su estancia en el Área Natural Protegida, y
- VI. Responsabilizarse de cualquier daño al ecosistema o a las instalaciones de apoyo del Área protegida, derivadas del desarrollo de cualquiera de sus actividades.

**Regla 7.** La Dirección del ANP a través de los organismos representativos y del nivel operativo podrá solicitar a los visitantes o prestadores de servicios turísticos la información que a continuación se describe, con la finalidad de realizar las recomendaciones necesarias en materia de manejo de residuos sólidos, prevención de incendios forestales y protección de los elementos naturales presentes en el área; así como en materia de protección civil y protección al turista:

- I. Descripción de las actividades a realizar.
- II. Tiempo de estancia.
- III. Lugar a visitar.
- IV. Origen del visitante.

**Regla 8.** Se requerirá de autorización de la SEDEMA, por conducto de la Dirección del Archipiélago de Bosques y Selvas de la Región Capital, para la realización de las siguientes actividades:

- I. Actividades comerciales dentro de áreas naturales protegidas.
- II. Actividades turístico recreativas dentro de áreas naturales protegidas, en todas sus modalidades, y
- III. Filmaciones, actividades de fotografía, captura de imágenes o sonidos con fines comerciales en áreas naturales protegidas.

**Regla 9.** La vigencia de las autorizaciones a que se refiere la regla anterior será:

- I. Por un año, para actividades comerciales;
- II. Por dos años, para la prestación de servicios turísticos, y
- III. Por el periodo que dure el trabajo, para filmaciones o captura de imágenes o sonidos por cualquier medio, con fines comerciales que requieran más de un técnico especializado.

**Regla 10.** Las autorizaciones emitidas por la SEDEMA, por conducto de la Dirección del ANP ABSRC, para la realización de actividades turísticas recreativas o para la venta de alimentos y artesanías dentro del área protegida podrán ser prorrogadas por el mismo período por el que fueron otorgadas, conforme a las disposiciones jurídicas aplicables.

**Regla 11.** Con la finalidad de proteger los recursos naturales y brindar el apoyo necesario, se deberán remitir a la Dirección del ANP ABSRC:

- I. Investigación sin colecta o manipulación de ejemplares de especies no consideradas en riesgo.
- II. Educación ambiental que no implica ninguna actividad extractiva.
- III. Monitoreo sin colecta o manipulación de especímenes de especies no consideradas en riesgo.
- IV. Filmaciones, actividades de fotografía, la captura de imágenes o sonidos por cualquier medio, con fines científicos, culturales o educativos, que requieran de equipos

compuestos por más de un técnico especializado como apoyo a la persona que opera el equipo principal.

- V. Aviso para realizar actividades de investigación con colecta o manipulación de ejemplares de flora y fauna silvestre. Independientemente del aviso a que se refiere esta fracción, el interesado deberá contar con la autorización correspondiente en términos de la Ley General de Vida Silvestre y su Reglamento.

Estructura Administrativa del ANP avisos para realizar las siguientes actividades:

**Regla 12.** Se requerirá de autorización por parte de la Secretaría de Medio Ambiente y Recursos Naturales (SEMARNAT), de conformidad con las disposiciones legales aplicables, para la realización de las siguientes actividades:

- I. Colecta de recursos biológicos forestales, con fines científicos;
- II. Colecta de ejemplares, partes y derivados de vida silvestre con fines de investigación científica y propósitos de enseñanza, en todas sus modalidades;
- III. Registro de Unidades de Manejo para la Conservación y Aprovechamiento de la Vida Silvestre, y
- IV. Manejo, control y remediación de problemas asociados a ejemplares y poblaciones que se tornen perjudiciales.

**Regla 13.** Se requerirá de concesión del Ejecutivo Federal, a través de la Comisión Nacional del Agua, para la realización de las siguientes actividades:

- I. Aprovechamiento de aguas superficiales, y
- II. Aprovechamiento de aguas subterráneas, conforme a lo previsto por los artículos 18, primer párrafo y 42, fracción I de la Ley de Aguas Nacionales.

**Regla 14.** Para el desarrollo de actividades en territorio del ANP, el promovente deberá obtener la anuencia del dueño o poseedor del predio, cuando se trate de terrenos de propiedad privada o ejidal.

**Regla 15.** Los prestadores de servicios turísticos que pretendan desarrollar actividades turísticas dentro del Área Natural Protegida, deberán cerciorarse de que su personal y los visitantes que contraten sus servicios, cumplan con lo establecido en las presentes reglas. La estructura administrativa del ANP no se hará responsable por los daños que sufran los visitantes o usuarios en sus bienes, equipos o integridad física, ni de aquellos causados a terceros, durante la realización de sus actividades dentro del Área Natural Protegida.

**Regla 16.** Los prestadores de servicios turísticos se obligan a informar a los usuarios que están ingresando a un Área Natural Protegida, en la cual se desarrollan acciones para la conservación de los recursos naturales y la preservación del entorno natural; asimismo, deberán hacer de su conocimiento la importancia de su conservación y la normatividad que deberán acatar durante su estancia, pudiendo apoyar esa información con material gráfico y escrito.

**Regla 17.** Los prestadores de servicios deberán contar con un seguro de responsabilidad civil y de daños a terceros, con la finalidad de responder de cualquier daño o perjuicio que sufran en su persona o en sus bienes los visitantes, así como de los que sufran los vehículos y equipo, o aquellos causados a terceros durante su estancia y desarrollo de actividades.

**Regla 18.** El uso turístico y recreativo dentro del Área Natural Protegida se llevará a cabo bajo los criterios establecidos en el presente instrumento, y siempre que:

- I. De acuerdo al concepto básico de turismo de bajo impacto ambiental, no se provoque una alteración significativa a los ecosistemas;
- II. Preferentemente tengan un beneficio directo para los pobladores locales, y
- III. Promueva la educación ambiental.

**Regla 19.** Los grupos de visitantes podrán contratar a un guía, preferentemente local, quien será responsable del grupo. El guía deberá cumplir, según corresponda, con lo establecido en las siguientes Normas Oficiales Mexicanas:

- I. NOM-08-TUR-2002. Que establece los elementos a que deben sujetarse los guías generales y especializados en temas o localidades específicas de carácter cultural.
- II. NOM-09-TUR-2002. Que establece los elementos a que deben sujetarse los guías especializados en actividades específicas.
- III. NOM-011-TUR-2001. Requisitos de seguridad, información y operación que deben cumplir los prestadores de servicios turísticos de turismo de aventura.

**Regla 20.** El prestador de servicios turísticos recreativos deberá designar un guía quién será responsable de un grupo, el guía deberá contar con conocimientos básicos sobre la importancia y conservación del Área Natural Protegida.

**Regla 21.** Las actividades de campismo dentro del Área Natural Protegida se podrán realizar únicamente dentro de las subzonas definidas para ello y estarán prohibidas las siguientes actividades:

- I. Excavar, nivelar, cortar o desmontar la vegetación del terreno donde se acampe, y
- II. Erigir instalaciones permanentes de campamento.

**Regla 22.** Las fogatas podrán realizarse únicamente dentro de las áreas destinadas para ello y con madera muerta o leña recolectada en esa subzona, siempre y cuando se realicen de conformidad con la Norma Oficial Mexicana NOM-015-SEMARNAT/SAGARPA-2007, que establece las especificaciones técnicas de métodos de uso del fuego en los terrenos forestales y en los terrenos de uso agropecuario.

**Regla 23.** Todo investigador que ingrese al Área Natural Protegida con el propósito de realizar colecta con fines científicos deberá contar con la autorización pertinente a sus actividades y hará llegar a la Dirección del ANP una copia de los informes resultantes de su investigación.

**Regla 24.** Con objeto de garantizar la correcta realización de las actividades de investigación científica y salvaguardar la integridad de los ecosistemas y de los investigadores, éstos últimos deberán sujetarse a los lineamientos y condicionantes establecidos en la autorización respectiva, y observar lo dispuesto en el Decreto de Creación del Área Protegida, el presente instrumento, la Norma Oficial Mexicana NOM-126-SEMARNAT-2000 por la que se establecen las especificaciones para la realización de las actividades de colecta científica de material biológico de especies de flora y fauna silvestres y otros recursos biológicos en el territorio nacional, y demás disposiciones jurídicas aplicables.

**Regla 25.** Los investigadores no podrán extraer partes del acervo cultural e histórico del Área Natural Protegida, así como ejemplares de flora, fauna, suelo, fósiles, rocas o minerales, salvo que cuenten con la autorización por parte de las autoridades correspondientes.

**Regla 26.** La investigación y colecta científica de vida silvestre en el Área Natural Protegida se llevará a cabo con el consentimiento previo, expreso e informado del propietario o poseedor legítimo donde ésta se realice.

**Regla 27.** Las autorizaciones de colecta no amparan el aprovechamiento para fines comerciales, ni de utilización en biotecnología, en caso contrario, se regirá por las disposiciones que resulten aplicables.

**Regla 28.** Las actividades de colecta científica estarán restringidas a los sitios y especies especificadas en la autorización correspondiente y con apego a la subzonificación establecida en el presente instrumento; en caso de organismos capturados incidentalmente, deberán ser liberados en el sitio de la captura.

**Regla 29.** Quienes realicen actividades de colecta científica de vida silvestre dentro del ANP, deberán destinar al menos un duplicado del material biológico colectado a la dirección del ANP, al organismo representativo cuando cuente con instalaciones para recibirlo, o a instituciones o colecciones científicas mexicanas, en términos de lo establecido por la LGVS.

**Regla 30.** El establecimiento de campamentos para actividades de investigación, quedará sujeto a los términos especificados en la autorización.

**Regla 31.** El aprovechamiento de leña para uso doméstico deberá provenir de arbolado muerto derribado por fenómenos naturales y limpia de monte, asimismo, deberá sujetarse a lo establecido en la Norma Oficial Mexicana NOM-012-SEMARNAT-1996, Que establece los procedimientos criterios y especificaciones para realizar el aprovechamiento, transporte y almacenamiento de leña para uso doméstico.

**Regla 32.** La reforestación de áreas degradadas o aquellas cuyo uso de suelo sea de vocación forestal o preferentemente forestal, se realizará de preferencia con especies nativas o de acuerdo con lo estipulado en Programas de Restauración diseñados para el ANP.

**Regla 33.** Las actividades de aprovechamiento de flora y fauna silvestre se permitirán previo el establecimiento y funcionamiento de una Unidad de Manejo para la Conservación de la Vida Silvestre (UMA), y deberá realizarse conforme a las disposiciones legales establecidas en la LGEEPA, LGVS, sus reglamentos, y a las Normas Oficiales Mexicanas aplicables, garantizando así, la permanencia y reproducción de las especies aprovechadas.

**Regla 34.** La construcción de infraestructura en las subzonas donde se permita, será acorde con el entorno natural del Área de Protección, empleando preferentemente ecotécnicas, materiales tradicionales de construcción propios de la región, así como diseños que no destruyan ni modifiquen el paisaje ni los recursos naturales evitando la dispersión de residuos, cualquier perturbación de áreas adyacentes y deberá cumplir las disposiciones legales aplicables.

**Regla 35.** El mantenimiento de caminos ya existentes podrá llevarse a cabo, siempre que éstos no se amplíen.

**Regla 36.** El desarrollo de actividades de turismo será de bajo impacto ambiental de tal manera que se respete la integridad del ecosistema.

**Regla 37.** El desarrollo de actividades de agricultura, Agroforestería y silvopastoriles se realizará de manera tal que sea compatible con la conservación del ecosistema. La producción de café bajo sombra en ecosistemas de Bosque Mesófilo de Montaña recibirá una atención y seguimiento particular.

**Regla 38.** El desarrollo de actividades de aprovechamiento de recursos hídricos se deberá realizar atendiendo a los criterios de preservación o restauración de la cobertura vegetal, a fin de asegurar la permanencia de la fuente de abastecimiento.

**Regla 39.** En esta zona está prohibido el desarrollo de proyectos habitacionales como fraccionamientos, construcciones masivas de casas de interés social, y el establecimiento de reservas territoriales. Se aplicarán los criterios establecidos por la Ley Estatal de Desarrollo Urbano y Vivienda para el Estado de Veracruz en lo referente a Reservas Ecológicas Restrictivas

**Regla 40.** Solo están permitidas las construcciones de casa habitación para solventar las necesidades de los propios dueños de los predios y deberá determinarse un Coeficiente de Uso del Suelo para autorizar edificaciones requeridas por el crecimiento natural de la población dentro del ANP.

**Regla 41.** No se permitirá la instalación de tiraderos de basura.

**Regla 42.** Se permitirá el establecimiento de infraestructura de bajo impacto para oficinas, laboratorios, casetas de vigilancia, vías de acceso, áreas de esparcimiento, museos de sitio o parques de visita solamente en las subzonas determinadas en el Programa de Manejo del ANP e implementando las medidas necesarias para neutralizar cualquier impacto ambiental derivado de estas instalaciones.

**Regla 43.** Se tomarán medidas de conservación ambiental, como son la prevención de contaminación de acuíferos, afectación a plantas y animales silvestres, construcciones armónicas con el paisaje y eliminación de la presión humana hacia las islas del archipiélago.

**Regla 44.** Con la finalidad de conservar los ecosistemas y la biodiversidad del Área Natural Protegida, así como delimitar y ordenar territorialmente la realización de actividades dentro del mismo, se establecen las siguientes subzonas:

- I. Subzona de uso restringido cuya superficie es de 719 hectáreas y está conformada por seis polígonos.
- II. Subzona de Preservación, con una superficie de 809.61 hectáreas y comprendida por ocho polígonos.
- III. Subzona de Uso Tradicional, con una superficie de 2480.02 hectáreas comprendida por 13 polígonos.
- IV. Subzona de Aprovechamiento Sustentable de los Recursos Naturales, con una superficie de 222.86 hectáreas comprendida por dos polígonos.
- V. Subzona de Aprovechamiento Sustentable de los Ecosistemas, con una superficie de 875.57 hectáreas comprendida por 11 polígonos.
- VI. Subzona de Aprovechamiento Especial, con una superficie de 38.50 hectáreas y conformado por un polígono.
- VII. Subzona de Uso Público, con una superficie de 132.01 hectáreas y comprende dos polígonos.
- VIII. Subzona de Asentamientos Humanos, con una superficie de 192.36 hectáreas comprendida por 14 polígonos.
- IX. Subzona de Restauración, cuya superficie es de 110.64 hectáreas, y está compuesto por cinco polígonos

**Regla 45.** El desarrollo de las actividades permitidas y no permitidas dentro de las subzonas a que se refiere la regla anterior, se estará a lo previsto en el apartado 5.6.3 Zonificación y políticas de manejo del presente instrumento.

**Regla 46.** En el Corredor Biológico Multifuncional Archipiélago de Bosques y Selvas de la Región Capital del Estado de Veracruz queda prohibido:

- I. El desmonte de relictos de vegetación primaria, y
- II. Fundación de nuevos centros de población

**Regla 47.** La inspección y vigilancia del cumplimiento de las presentes Reglas y demás ordenamiento aplicables corresponde al Gobierno del Estado de Veracruz para lo cual se apoyará en la Estructura Administrativa planteada en este instrumento, sin perjuicio de las atribuciones que correspondan a otras dependencias del Ejecutivo Estatal y Federal.

**Regla 48.** Toda persona que tenga conocimiento de alguna infracción o ilícito que pudiera ocasionar algún daño a los ecosistemas del ANP, deberá notificar a las autoridades competentes dicha situación, preferentemente por la vía de la estructura administrativa del ANP, para que se realicen las acciones jurídicas correspondientes.

**Regla 49.** La vigilancia dentro del ANP se realizará con la colaboración de los ayuntamientos de Banderilla, Coatepec, Emiliano Zapata, Tlalnelhuayocan y Xalapa, así como por la Dirección del área y podrá apoyarse también en instituciones federales, estatales y municipales del Sector Medio Ambiente y en agencias de Seguridad Pública, previo acuerdo de trabajo. Así como grupos de ciudadanos organizados que demuestren el interés y la capacidad para realizar la actividad de vigilancia junto con el personal de la Secretaría de Medio Ambiente del Estado de Veracruz. El personal vigilante tendrá la obligación de identificarse ante las personas que sean objeto de inspección y éstas estarán obligadas a otorgar las facilidades necesarias a dicho personal.

**Regla 50.** Las violaciones al presente instrumento serán sancionadas de conformidad con lo dispuesto en la Ley Estatal de Protección al Ambiente, Ley General de Equilibrio Ecológico y la Protección al Ambiente; en el Título Vigésimo Quinto del Código Penal Federal, Delitos contra el Ambiente y la Gestión Ambiental; y demás disposiciones legales aplicables.

ANEXO 1. Cuadro de construcción del ANP en la categoría de Corredor Biológico Multifuncional y denominado Archipiélago de Bosques y Selvas de la Región Capital del Estado de Veracruz.

| CUADRO DE CONSTRUCCIÓN POLÍGONO IA |    |                |        |    |                 |              |
|------------------------------------|----|----------------|--------|----|-----------------|--------------|
| LADO                               |    | RUMBO          | DIST   | V  | COORDENADAS UTM |              |
| ES                                 | PV |                |        |    | X               | Y            |
|                                    |    |                |        | 1  | 712,238.56      | 2,166,224.99 |
| 1                                  | 2  | S36°53'27.81"E | 379.08 | 2  | 712,466.12      | 2,165,921.81 |
| 2                                  | 3  | N89°40'37.37"E | 571.27 | 3  | 713,037.38      | 2,165,925.03 |
| 3                                  | 4  | S00°00'00.00"  | 20.21  | 4  | 713,037.38      | 2,165,904.82 |
| 4                                  | 5  | S89°58'40.97"E | 130.50 | 5  | 713,167.88      | 2,165,904.77 |
| 5                                  | 6  | S54°30'25.09"E | 19.39  | 6  | 713,183.67      | 2,165,893.51 |
| 6                                  | 7  | S39°48'20.06"E | 0.23   | 7  | 713,183.82      | 2,165,893.33 |
| 7                                  | 8  | S26°48'17.79"E | 127.11 | 8  | 713,241.14      | 2,165,779.88 |
| 8                                  | 9  | S45°01'11.82"E | 40.62  | 9  | 713,269.87      | 2,165,751.17 |
| 9                                  | 10 | S71°34'29.94"E | 91.22  | 10 | 713,356.41      | 2,165,722.34 |
| 10                                 | 11 | S56°18'35.76"E | 0.25   | 11 | 713,356.62      | 2,165,722.20 |
| 11                                 | 12 | S27°33'10.12"E | 0.26   | 12 | 713,356.74      | 2,165,721.97 |
| 12                                 | 13 | S03°21'59.26"E | 0.17   | 13 | 713,356.75      | 2,165,721.80 |
| 13                                 | 14 | S26°30'42.84"O | 24.10  | 14 | 713,345.99      | 2,165,700.23 |
| 14                                 | 15 | S29°25'31.96"E | 87.02  | 15 | 713,388.74      | 2,165,624.44 |
| 15                                 | 16 | S82°52'38.73"E | 29.11  | 16 | 713,417.63      | 2,165,620.83 |
| 16                                 | 17 | S58°00'31.99"E | 34.05  | 17 | 713,446.51      | 2,165,602.79 |
| 17                                 | 18 | S65°49'17.42"E | 69.49  | 18 | 713,509.90      | 2,165,574.33 |
| 18                                 | 19 | S67°47'43.00"E | 95.76  | 19 | 713,598.56      | 2,165,538.14 |
| 19                                 | 20 | S33°42'57.14"E | 117.01 | 20 | 713,663.51      | 2,165,440.81 |
| 20                                 | 21 | S58°09'16.97"E | 191.95 | 21 | 713,826.57      | 2,165,339.53 |
| 21                                 | 22 | S88°23'40.73"E | 386.22 | 22 | 714,212.64      | 2,165,328.71 |
| 22                                 | 23 | N63°39'37.48"E | 227.30 | 23 | 714,416.34      | 2,165,429.56 |
| 23                                 | 24 | N76°36'27.01"E | 0.22   | 24 | 714,416.55      | 2,165,429.61 |
| 24                                 | 25 | N89°26'49.61"E | 747.18 | 25 | 715,163.70      | 2,165,436.82 |
| 25                                 | 26 | N39°07'10.05"E | 148.73 | 26 | 715,257.54      | 2,165,552.21 |
| 26                                 | 27 | N88°09'47.69"E | 199.05 | 27 | 715,456.49      | 2,165,558.59 |
| 27                                 | 28 | N51°20'09.03"E | 246.88 | 28 | 715,649.26      | 2,165,712.83 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IA |    |                |        |    |                 |              |
|------------------------------------|----|----------------|--------|----|-----------------|--------------|
| LADO                               |    | RUMBO          | DIST   | V  | COORDENADAS UTM |              |
| ES                                 | PV |                |        |    | X               | Y            |
| 28                                 | 29 | N62°37'37.84"E | 184.31 | 29 | 715,812.93      | 2,165,797.57 |
| 29                                 | 30 | N53°33'02.36"E | 56.40  | 30 | 715,858.30      | 2,165,831.08 |
| 30                                 | 31 | N56°19'31.46"E | 92.43  | 31 | 715,935.22      | 2,165,882.33 |
| 31                                 | 32 | N46°48'33.52"E | 89.36  | 32 | 716,000.37      | 2,165,943.49 |
| 32                                 | 33 | N66°34'50.02"E | 64.38  | 33 | 716,059.45      | 2,165,969.08 |
| 33                                 | 34 | N44°50'19.82"E | 77.93  | 34 | 716,114.40      | 2,166,024.34 |
| 34                                 | 35 | N63°26'05.82"E | 0.16   | 35 | 716,114.54      | 2,166,024.41 |
| 35                                 | 36 | N78°41'24.24"E | 0.15   | 36 | 716,114.69      | 2,166,024.44 |
| 36                                 | 37 | S82°52'29.94"E | 0.16   | 37 | 716,114.85      | 2,166,024.42 |
| 37                                 | 38 | S73°14'31.93"E | 80.60  | 38 | 716,192.03      | 2,166,001.18 |
| 38                                 | 39 | S65°13'29.49"E | 0.14   | 39 | 716,192.16      | 2,166,001.12 |
| 39                                 | 40 | S48°00'13.12"E | 190.95 | 40 | 716,334.07      | 2,165,873.36 |
| 40                                 | 41 | S28°04'20.95"E | 0.17   | 41 | 716,334.15      | 2,165,873.21 |
| 41                                 | 42 | S04°45'49.11"E | 0.24   | 42 | 716,334.17      | 2,165,872.97 |
| 42                                 | 43 | S20°33'21.76"O | 0.17   | 43 | 716,334.11      | 2,165,872.81 |
| 43                                 | 44 | S41°38'00.74"O | 0.24   | 44 | 716,333.95      | 2,165,872.63 |
| 44                                 | 45 | S66°16'46.58"O | 2.16   | 45 | 716,331.97      | 2,165,871.76 |
| 45                                 | 46 | N78°24'27.45"E | 72.41  | 46 | 716,402.90      | 2,165,886.31 |
| 46                                 | 47 | S20°34'45.91"E | 57.38  | 47 | 716,423.07      | 2,165,832.59 |
| 47                                 | 48 | S55°02'18.48"O | 67.75  | 48 | 716,367.55      | 2,165,793.77 |
| 48                                 | 49 | S07°57'10.57"E | 86.44  | 49 | 716,379.51      | 2,165,708.16 |
| 49                                 | 50 | S07°07'30.06"O | 0.24   | 50 | 716,379.48      | 2,165,707.92 |
| 50                                 | 51 | S33°01'25.92"O | 0.24   | 51 | 716,379.35      | 2,165,707.72 |
| 51                                 | 52 | S60°15'18.43"O | 0.24   | 52 | 716,379.14      | 2,165,707.60 |
| 52                                 | 53 | N54°08'22.36"O | 252.37 | 53 | 716,174.61      | 2,165,855.44 |
| 53                                 | 54 | S02°01'59.10"E | 263.84 | 54 | 716,183.97      | 2,165,591.77 |
| 54                                 | 55 | S54°32'40.79"E | 152.88 | 55 | 716,308.50      | 2,165,503.09 |
| 55                                 | 56 | N80°39'01.62"E | 162.87 | 56 | 716,469.21      | 2,165,529.55 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IA |    |                    |            |    |                 |                  |
|------------------------------------|----|--------------------|------------|----|-----------------|------------------|
| LADO                               |    | RUMBO              | DIST       | V  | COORDENADAS UTM |                  |
| ES<br>T                            | PV |                    |            |    | X               | Y                |
| 56                                 | 57 | S79°59'31.27<br>"E | 0.17       | 57 | 716,469.<br>38  | 2,165,529.<br>52 |
| 57                                 | 58 | S59°02'10.48<br>"E | 0.17       | 58 | 716,469.<br>53  | 2,165,529.<br>43 |
| 58                                 | 59 | S40°14'10.89<br>"E | 0.17       | 59 | 716,469.<br>64  | 2,165,529.<br>30 |
| 59                                 | 60 | S20°33'21.76<br>"E | 0.17       | 60 | 716,469.<br>70  | 2,165,529.<br>14 |
| 60                                 | 61 | S10°38'59.90<br>"E | 38.3<br>1  | 61 | 716,476.<br>78  | 2,165,491.<br>49 |
| 61                                 | 62 | S80°49'10.05<br>"O | 1.00       | 62 | 716,475.<br>79  | 2,165,491.<br>33 |
| 62                                 | 63 | S75°48'56.54<br>"E | 0.94       | 63 | 716,476.<br>70  | 2,165,491.<br>10 |
| 63                                 | 64 | S53°57'17.14<br>"O | 75.4<br>6  | 64 | 716,415.<br>69  | 2,165,446.<br>70 |
| 64                                 | 65 | S37°02'52.25<br>"O | 136.<br>52 | 65 | 716,333.<br>44  | 2,165,337.<br>74 |
| 65                                 | 66 | S12°18'00.92<br>"O | 44.5<br>9  | 66 | 716,323.<br>94  | 2,165,294.<br>17 |
| 66                                 | 67 | S39°48'20.06<br>"O | 0.16       | 67 | 716,323.<br>84  | 2,165,294.<br>05 |
| 67                                 | 68 | S64°26'24.13<br>"O | 0.25       | 68 | 716,323.<br>61  | 2,165,293.<br>94 |
| 68                                 | 69 | S79°09'58.69<br>"O | 90.6<br>0  | 69 | 716,234.<br>62  | 2,165,276.<br>91 |
| 69                                 | 70 | N89°59'57.40<br>"O | 79.2<br>4  | 70 | 716,155.<br>38  | 2,165,276.<br>91 |
| 70                                 | 71 | S36°38'08.64<br>"O | 117.<br>11 | 71 | 716,085.<br>50  | 2,165,182.<br>94 |
| 71                                 | 72 | N67°11'29.89<br>"O | 76.9<br>3  | 72 | 716,014.<br>59  | 2,165,212.<br>76 |
| 72                                 | 73 | N06°50'33.98<br>"E | 0.50       | 73 | 716,014.<br>65  | 2,165,213.<br>26 |
| 73                                 | 74 | N41°36'36.15<br>"E | 91.1<br>2  | 74 | 716,075.<br>16  | 2,165,281.<br>39 |
| 74                                 | 75 | N01°35'34.03<br>"E | 67.6<br>4  | 75 | 716,077.<br>04  | 2,165,349.<br>00 |
| 75                                 | 76 | N63°25'47.50<br>"O | 50.3<br>7  | 76 | 716,031.<br>99  | 2,165,371.<br>53 |
| 76                                 | 77 | N81°01'44.45<br>"O | 72.6<br>6  | 77 | 715,960.<br>22  | 2,165,382.<br>86 |
| 77                                 | 78 | S87°03'32.94<br>"O | 73.6<br>8  | 78 | 715,886.<br>64  | 2,165,379.<br>08 |
| 78                                 | 79 | S52°21'22.24<br>"O | 167.<br>17 | 79 | 715,754.<br>27  | 2,165,276.<br>98 |
| 79                                 | 80 | S76°17'42.29<br>"O | 239.<br>49 | 80 | 715,521.<br>60  | 2,165,220.<br>24 |
| 80                                 | 81 | S00°01'21.80<br>"E | 75.6<br>5  | 81 | 715,521.<br>63  | 2,165,144.<br>59 |
| 81                                 | 82 | S40°14'15.58<br>"O | 103.<br>23 | 82 | 715,454.<br>95  | 2,165,065.<br>79 |
| 82                                 | 83 | S55°52'02.39<br>"E | 125.<br>30 | 83 | 715,558.<br>67  | 2,164,995.<br>48 |
| 83                                 | 84 | N79°23'48.34<br>"E | 66.4<br>6  | 84 | 715,624.<br>00  | 2,165,007.<br>71 |
| 84                                 | 85 | S74°33'50.90<br>"E | 150.<br>14 | 85 | 715,768.<br>72  | 2,164,967.<br>75 |
| 85                                 | 86 | S55°36'52.16<br>"E | 110.<br>83 | 86 | 715,860.<br>18  | 2,164,905.<br>16 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IA |         |                    |            |         |                 |                  |
|------------------------------------|---------|--------------------|------------|---------|-----------------|------------------|
| LADO                               |         | RUMBO              | DIST       | V       | COORDENADAS UTM |                  |
| ES<br>T                            | PV      |                    |            |         | X               | Y                |
| 86                                 | 87      | S29°29'50.86<br>"O | 20.1<br>1  | 87      | 715,850.<br>28  | 2,164,887.<br>66 |
| 87                                 | 88      | S47°29'22.39<br>"O | 0.16       | 88      | 715,850.<br>16  | 2,164,887.<br>55 |
| 88                                 | 89      | S68°11'54.93<br>"O | 0.16       | 89      | 715,850.<br>01  | 2,164,887.<br>49 |
| 89                                 | 90      | S84°27'02.23<br>"O | 121.<br>30 | 90      | 715,729.<br>28  | 2,164,875.<br>76 |
| 90                                 | 91      | S87°30'37.61<br>"O | 0.23       | 91      | 715,729.<br>05  | 2,164,875.<br>75 |
| 91                                 | 92      | N51°50'33.98<br>"O | 0.18       | 92      | 715,728.<br>91  | 2,164,875.<br>86 |
| 92                                 | 93      | N35°05'10.24<br>"O | 101.<br>20 | 93      | 715,670.<br>74  | 2,164,958.<br>67 |
| 93                                 | 94      | S50°10'50.37<br>"O | 154.<br>50 | 94      | 715,552.<br>07  | 2,164,859.<br>73 |
| 94                                 | 95      | S66°22'14.24<br>"O | 0.17       | 95      | 715,551.<br>91  | 2,164,859.<br>66 |
| 95                                 | 96      | S77°12'19.24<br>"O | 60.7<br>8  | 96      | 715,492.<br>64  | 2,164,846.<br>20 |
| 96                                 | 97      | S86°11'09.33<br>"O | 0.15       | 97      | 715,492.<br>49  | 2,164,846.<br>19 |
| 97                                 | 98      | N75°04'06.90<br>"O | 0.16       | 98      | 715,492.<br>34  | 2,164,846.<br>23 |
| 98                                 | 99      | N39°49'51.00<br>"O | 49.3<br>7  | 99      | 715,460.<br>72  | 2,164,884.<br>14 |
| 99                                 | 10<br>0 | N88°55'17.12<br>"O | 13.8<br>1  | 10<br>0 | 715,446.<br>91  | 2,164,884.<br>40 |
| 10<br>0                            | 10<br>1 | N86°38'00.74<br>"O | 0.34       | 10<br>1 | 715,446.<br>57  | 2,164,884.<br>42 |
| 10<br>1                            | 10<br>2 | N73°04'20.95<br>"O | 0.24       | 10<br>2 | 715,446.<br>34  | 2,164,884.<br>49 |
| 10<br>2                            | 10<br>3 | N49°45'49.11<br>"O | 0.17       | 10<br>3 | 715,446.<br>21  | 2,164,884.<br>60 |
| 10<br>3                            | 10<br>4 | N29°44'41.57<br>"O | 0.16       | 10<br>4 | 715,446.<br>13  | 2,164,884.<br>74 |
| 10<br>4                            | 10<br>5 | N02°28'04.66<br>"O | 63.4<br>0  | 10<br>5 | 715,443.<br>40  | 2,164,948.<br>08 |
| 10<br>5                            | 10<br>6 | N70°13'07.49<br>"O | 53.8<br>4  | 10<br>6 | 715,392.<br>74  | 2,164,966.<br>30 |
| 10<br>6                            | 10<br>7 | N24°29'19.18<br>"O | 62.5<br>8  | 10<br>7 | 715,366.<br>80  | 2,165,023.<br>25 |
| 10<br>7                            | 10<br>8 | N58°49'53.30<br>"O | 113.<br>73 | 10<br>8 | 715,269.<br>49  | 2,165,082.<br>11 |
| 10<br>8                            | 10<br>9 | N04°46'19.05<br>"E | 28.6<br>1  | 10<br>9 | 715,271.<br>87  | 2,165,110.<br>62 |
| 10<br>9                            | 11<br>0 | N72°16'43.67<br>"O | 105.<br>10 | 11<br>0 | 715,171.<br>76  | 2,165,142.<br>61 |
| 11<br>0                            | 11<br>1 | N72°17'46.82<br>"O | 14.3<br>7  | 11<br>1 | 715,158.<br>07  | 2,165,146.<br>98 |
| 11<br>1                            | 11<br>2 | S69°26'23.42<br>"O | 32.5<br>7  | 11<br>2 | 715,127.<br>57  | 2,165,135.<br>54 |
| 11<br>2                            | 11<br>3 | S77°52'25.24<br>"O | 48.1<br>7  | 11<br>3 | 715,080.<br>47  | 2,165,125.<br>42 |
| 11<br>3                            | 11<br>4 | N03°31'01.98<br>"O | 47.7<br>6  | 11<br>4 | 715,077.<br>54  | 2,165,173.<br>09 |
| 11<br>4                            | 11<br>5 | S81°13'44.12<br>"O | 103.<br>16 | 11<br>5 | 714,975.<br>59  | 2,165,157.<br>36 |
| 11<br>5                            | 11<br>6 | S03°17'45.20<br>"E | 79.1<br>4  | 11<br>6 | 714,980.<br>14  | 2,165,078.<br>35 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IA |         |                    |            |         |                 |                  |
|------------------------------------|---------|--------------------|------------|---------|-----------------|------------------|
| LADO                               |         | RUMBO              | DIST       | V       | COORDENADAS UTM |                  |
| ES<br>T                            | PV      |                    |            |         | X               | Y                |
| 11<br>6                            | 11<br>7 | S13°11'25.56<br>"E | 49.1<br>3  | 11<br>7 | 714,991.<br>35  | 2,165,030.<br>52 |
| 11<br>7                            | 11<br>8 | S85°10'05.46<br>"E | 23.0<br>3  | 11<br>8 | 715,014.<br>30  | 2,165,028.<br>58 |
| 11<br>8                            | 11<br>9 | S02°17'33.99<br>"E | 31.7<br>5  | 11<br>9 | 715,015.<br>57  | 2,164,996.<br>86 |
| 11<br>9                            | 12<br>0 | S28°04'20.95<br>"O | 0.17       | 12<br>0 | 715,015.<br>49  | 2,164,996.<br>71 |
| 12<br>0                            | 12<br>1 | S44°59'60.00<br>"O | 0.17       | 12<br>1 | 715,015.<br>37  | 2,164,996.<br>59 |
| 12<br>1                            | 12<br>2 | S69°26'38.24<br>"O | 0.17       | 12<br>2 | 715,015.<br>21  | 2,164,996.<br>53 |
| 12<br>2                            | 12<br>3 | S85°53'30.80<br>"O | 9.07       | 12<br>3 | 715,006.<br>16  | 2,164,995.<br>88 |
| 12<br>3                            | 12<br>4 | N79°18'44.45<br>"O | 205.<br>49 | 12<br>4 | 714,804.<br>23  | 2,165,033.<br>99 |
| 12<br>4                            | 12<br>5 | N84°20'24.76<br>"O | 150.<br>37 | 12<br>5 | 714,654.<br>59  | 2,165,048.<br>82 |
| 12<br>5                            | 12<br>6 | S75°04'52.13<br>"O | 102.<br>82 | 12<br>6 | 714,555.<br>24  | 2,165,022.<br>35 |
| 12<br>6                            | 12<br>7 | S87°08'37.86<br>"O | 132.<br>65 | 12<br>7 | 714,422.<br>75  | 2,165,015.<br>74 |
| 12<br>7                            | 12<br>8 | N84°48'40.57<br>"O | 145.<br>63 | 12<br>8 | 714,277.<br>72  | 2,165,028.<br>91 |
| 12<br>8                            | 12<br>9 | S11°19'02.23<br>"E | 168.<br>06 | 12<br>9 | 714,310.<br>70  | 2,164,864.<br>12 |
| 12<br>9                            | 13<br>0 | S02°23'09.40<br>"O | 0.24       | 13<br>0 | 714,310.<br>69  | 2,164,863.<br>88 |
| 13<br>0                            | 13<br>1 | S28°04'20.95<br>"O | 0.17       | 13<br>1 | 714,310.<br>61  | 2,164,863.<br>73 |
| 13<br>1                            | 13<br>2 | S49°53'56.73<br>"O | 0.25       | 13<br>2 | 714,310.<br>42  | 2,164,863.<br>57 |
| 13<br>2                            | 13<br>3 | S80°54'35.00<br>"O | 0.25       | 13<br>3 | 714,310.<br>17  | 2,164,863.<br>53 |
| 13<br>3                            | 13<br>4 | N86°15'48.75<br>"O | 203.<br>78 | 13<br>4 | 714,106.<br>82  | 2,164,876.<br>81 |
| 13<br>4                            | 13<br>5 | S89°58'49.75<br>"O | 88.0<br>9  | 13<br>5 | 714,018.<br>73  | 2,164,876.<br>78 |
| 13<br>5                            | 13<br>6 | N68°58'41.13<br>"O | 92.2<br>7  | 13<br>6 | 713,932.<br>60  | 2,164,909.<br>88 |
| 13<br>6                            | 13<br>7 | N72°21'34.05<br>"O | 152.<br>82 | 13<br>7 | 713,786.<br>97  | 2,164,956.<br>19 |
| 13<br>7                            | 13<br>8 | N79°13'46.15<br>"O | 110.<br>82 | 13<br>8 | 713,678.<br>10  | 2,164,976.<br>90 |
| 13<br>8                            | 13<br>9 | N73°37'12.28<br>"O | 114.<br>29 | 13<br>9 | 713,568.<br>45  | 2,165,009.<br>13 |
| 13<br>9                            | 14<br>0 | N77°54'46.22<br>"O | 94.8<br>4  | 14<br>0 | 713,475.<br>71  | 2,165,028.<br>99 |
| 14<br>0                            | 14<br>1 | N67°23'23.52<br>"O | 86.0<br>4  | 14<br>1 | 713,396.<br>28  | 2,165,062.<br>07 |
| 14<br>1                            | 14<br>2 | N84°17'31.12<br>"O | 133.<br>02 | 14<br>2 | 713,263.<br>92  | 2,165,075.<br>30 |
| 14<br>2                            | 14<br>3 | N76°45'34.13<br>"O | 0.17       | 14<br>3 | 713,263.<br>75  | 2,165,075.<br>34 |
| 14<br>3                            | 14<br>4 | N64°28'42.52<br>"O | 193.<br>50 | 14<br>4 | 713,089.<br>13  | 2,165,158.<br>71 |
| 14<br>4                            | 14<br>5 | N55°18'17.45<br>"O | 0.16       | 14<br>5 | 713,089.<br>00  | 2,165,158.<br>80 |
| 14<br>5                            | 14<br>6 | N33°01'25.92<br>"O | 0.24       | 14<br>6 | 713,088.<br>87  | 2,165,159.<br>00 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IA |         |                    |            |         |                 |                  |
|------------------------------------|---------|--------------------|------------|---------|-----------------|------------------|
| LADO                               |         | RUMBO              | DIST       | V       | COORDENADAS UTM |                  |
| ES<br>T                            | PV      |                    |            |         | X               | Y                |
| 14<br>6                            | 14<br>7 | N07°35'40.72<br>"O | 0.15       | 14<br>7 | 713,088.<br>85  | 2,165,159.<br>15 |
| 14<br>7                            | 14<br>8 | N17°41'30.86<br>"E | 23.1<br>7  | 14<br>8 | 713,095.<br>89  | 2,165,181.<br>22 |
| 14<br>8                            | 14<br>9 | N00°31'20.15<br>"E | 59.2<br>4  | 14<br>9 | 713,096.<br>43  | 2,165,240.<br>46 |
| 14<br>9                            | 15<br>0 | N31°31'41.10<br>"O | 19.8<br>5  | 15<br>0 | 713,086.<br>05  | 2,165,257.<br>38 |
| 15<br>0                            | 15<br>1 | N69°46'30.51<br>"O | 46.1<br>7  | 15<br>1 | 713,042.<br>73  | 2,165,273.<br>34 |
| 15<br>1                            | 15<br>2 | N50°49'41.19<br>"O | 65.1<br>8  | 15<br>2 | 712,992.<br>20  | 2,165,314.<br>51 |
| 15<br>2                            | 15<br>3 | N11°40'54.78<br>"O | 23.2<br>6  | 15<br>3 | 712,987.<br>49  | 2,165,337.<br>29 |
| 15<br>3                            | 15<br>4 | N59°09'17.23<br>"O | 24.8<br>7  | 15<br>4 | 712,966.<br>14  | 2,165,350.<br>04 |
| 15<br>4                            | 15<br>5 | S81°23'29.13<br>"O | 58.2<br>6  | 15<br>5 | 712,908.<br>54  | 2,165,341.<br>32 |
| 15<br>5                            | 15<br>6 | N53°11'34.91<br>"O | 18.2<br>1  | 15<br>6 | 712,893.<br>96  | 2,165,352.<br>23 |
| 15<br>6                            | 15<br>7 | N34°49'28.16<br>"O | 0.28       | 15<br>7 | 712,893.<br>80  | 2,165,352.<br>46 |
| 15<br>7                            | 15<br>8 | N17°37'07.57<br>"O | 18.2<br>0  | 15<br>8 | 712,888.<br>29  | 2,165,369.<br>81 |
| 15<br>8                            | 15<br>9 | N14°07'32.37<br>"E | 43.5<br>2  | 15<br>9 | 712,898.<br>91  | 2,165,412.<br>01 |
| 15<br>9                            | 16<br>0 | N51°48'46.44<br>"O | 45.2<br>4  | 16<br>0 | 712,863.<br>35  | 2,165,439.<br>98 |
| 16<br>0                            | 16<br>1 | N41°04'35.47<br>"O | 57.1<br>5  | 16<br>1 | 712,825.<br>80  | 2,165,483.<br>06 |
| 16<br>1                            | 16<br>2 | N57°06'24.92<br>"O | 125.<br>62 | 16<br>2 | 712,720.<br>32  | 2,165,551.<br>28 |
| 16<br>2                            | 16<br>3 | N75°16'12.22<br>"O | 81.3<br>3  | 16<br>3 | 712,641.<br>66  | 2,165,571.<br>96 |
| 16<br>3                            | 16<br>4 | N80°32'23.33<br>"O | 88.1<br>6  | 16<br>4 | 712,554.<br>70  | 2,165,586.<br>45 |
| 16<br>4                            | 16<br>5 | N87°56'14.45<br>"O | 230.<br>05 | 16<br>5 | 712,324.<br>80  | 2,165,594.<br>73 |
| 16<br>5                            | 16<br>6 | S85°20'02.61<br>"O | 101.<br>79 | 16<br>6 | 712,223.<br>35  | 2,165,586.<br>45 |
| 16<br>6                            | 16<br>7 | S76°07'45.41<br>"O | 73.0<br>4  | 16<br>7 | 712,152.<br>44  | 2,165,568.<br>94 |
| 16<br>7                            | 16<br>8 | N84°33'34.80<br>"O | 0.21       | 16<br>8 | 712,152.<br>23  | 2,165,568.<br>96 |
| 16<br>8                            | 16<br>9 | N71°26'59.17<br>"O | 6.29       | 16<br>9 | 712,146.<br>27  | 2,165,570.<br>96 |
| 16<br>9                            | 17<br>0 | N77°28'16.29<br>"O | 15.4<br>9  | 17<br>0 | 712,131.<br>15  | 2,165,574.<br>32 |
| 17<br>0                            | 17<br>1 | N87°20'02.24<br>"O | 13.1<br>1  | 17<br>1 | 712,118.<br>05  | 2,165,574.<br>93 |
| 17<br>1                            | 17<br>2 | S81°24'08.50<br>"O | 15.2<br>5  | 17<br>2 | 712,102.<br>97  | 2,165,572.<br>65 |
| 17<br>2                            | 17<br>3 | S66°48'05.07<br>"O | 6.93       | 17<br>3 | 712,096.<br>60  | 2,165,569.<br>92 |
| 17<br>3                            | 17<br>4 | S61°08'02.85<br>"O | 5.01       | 17<br>4 | 712,092.<br>21  | 2,165,567.<br>50 |
| 17<br>4                            | 17<br>5 | S51°44'29.68<br>"O | 21.6<br>2  | 17<br>5 | 712,075.<br>23  | 2,165,554.<br>11 |
| 17<br>5                            | 17<br>6 | S75°22'44.85<br>"O | 0.24       | 17<br>6 | 712,075.<br>00  | 2,165,554.<br>05 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IA |     |                    |           |     |                 |                  |
|------------------------------------|-----|--------------------|-----------|-----|-----------------|------------------|
| LADO                               |     | RUMBO              | DIST      | V   | COORDENADAS UTM |                  |
| ES                                 | PV  |                    |           |     | X               | Y                |
| 176                                | 177 | S88°19'28.38<br>"O | 5.47      | 177 | 712,069.<br>53  | 2,165,553.<br>89 |
| 177                                | 178 | S65°24'32.99<br>"O | 24.5<br>4 | 178 | 712,047.<br>22  | 2,165,543.<br>68 |
| 178                                | 179 | S81°31'25.83<br>"O | 26.4<br>6 | 179 | 712,021.<br>05  | 2,165,539.<br>78 |
| 179                                | 180 | S77°33'50.70<br>"O | 18.0<br>6 | 180 | 712,003.<br>41  | 2,165,535.<br>89 |
| 180                                | 181 | S73°16'33.89<br>"O | 6.67      | 181 | 711,997.<br>02  | 2,165,533.<br>97 |
| 181                                | 182 | S70°09'29.05<br>"O | 4.51      | 182 | 711,992.<br>78  | 2,165,532.<br>44 |
| 182                                | 183 | S81°05'53.82<br>"O | 2.52      | 183 | 711,990.<br>29  | 2,165,532.<br>05 |
| 183                                | 184 | S71°35'55.30<br>"O | 5.39      | 184 | 711,985.<br>18  | 2,165,530.<br>35 |
| 184                                | 185 | S68°30'15.44<br>"O | 25.4<br>1 | 185 | 711,961.<br>54  | 2,165,521.<br>04 |
| 185                                | 186 | S77°54'18.87<br>"O | 0.14      | 186 | 711,961.<br>40  | 2,165,521.<br>01 |
| 186                                | 187 | S85°01'45.00<br>"O | 22.7<br>4 | 187 | 711,938.<br>75  | 2,165,519.<br>04 |
| 187                                | 188 | N87°43'36.42<br>"O | 23.7<br>0 | 188 | 711,915.<br>07  | 2,165,519.<br>98 |
| 188                                | 189 | N81°18'18.13<br>"O | 49.3<br>5 | 189 | 711,866.<br>29  | 2,165,527.<br>44 |
| 189                                | 190 | S83°37'25.50<br>"O | 71.9<br>5 | 190 | 711,794.<br>79  | 2,165,519.<br>45 |
| 190                                | 191 | S88°10'13.68<br>"O | 81.7<br>5 | 191 | 711,713.<br>08  | 2,165,516.<br>84 |
| 191                                | 192 | S82°04'11.38<br>"O | 28.7<br>8 | 192 | 711,684.<br>58  | 2,165,512.<br>87 |
| 192                                | 193 | S73°43'46.61<br>"O | 38.2<br>6 | 193 | 711,647.<br>85  | 2,165,502.<br>15 |
| 193                                | 194 | N89°43'09.40<br>"O | 20.4<br>4 | 194 | 711,627.<br>44  | 2,165,502.<br>25 |
| 194                                | 195 | N48°08'34.90<br>"O | 50.6<br>8 | 195 | 711,589.<br>69  | 2,165,536.<br>07 |
| 195                                | 196 | N22°04'06.12<br>"O | 30.6<br>9 | 196 | 711,578.<br>16  | 2,165,564.<br>51 |
| 196                                | 197 | N03°07'14.70<br>"E | 45.1<br>9 | 197 | 711,580.<br>62  | 2,165,609.<br>63 |
| 197                                | 198 | N86°51'39.57<br>"O | 14.7<br>9 | 198 | 711,565.<br>85  | 2,165,610.<br>44 |
| 198                                | 199 | S77°08'32.71<br>"O | 47.6<br>3 | 199 | 711,519.<br>41  | 2,165,599.<br>84 |
| 199                                | 200 | S87°13'42.47<br>"O | 34.9<br>5 | 200 | 711,484.<br>50  | 2,165,598.<br>15 |
| 200                                | 201 | N47°05'26.96<br>"O | 44.5<br>8 | 201 | 711,451.<br>85  | 2,165,628.<br>50 |
| 201                                | 202 | N68°31'06.70<br>"O | 24.2<br>8 | 202 | 711,429.<br>26  | 2,165,637.<br>39 |
| 202                                | 203 | S03°11'30.24<br>"E | 40.0<br>5 | 203 | 711,431.<br>49  | 2,165,597.<br>40 |
| 203                                | 204 | S12°40'22.76<br>"E | 49.1<br>4 | 204 | 711,442.<br>27  | 2,165,549.<br>46 |
| 204                                | 205 | S30°23'34.27<br>"E | 34.7<br>7 | 205 | 711,459.<br>86  | 2,165,519.<br>47 |
| 205                                | 206 | S05°17'59.89<br>"E | 24.5<br>8 | 206 | 711,462.<br>13  | 2,165,495.<br>00 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IA |     |                    |            |     |                 |                  |
|------------------------------------|-----|--------------------|------------|-----|-----------------|------------------|
| LADO                               |     | RUMBO              | DIST       | V   | COORDENADAS UTM |                  |
| ES                                 | PV  |                    |            |     | X               | Y                |
| 206                                | 207 | S24°35'31.59<br>"O | 31.0<br>5  | 207 | 711,449.<br>21  | 2,165,466.<br>77 |
| 207                                | 208 | S53°23'52.85<br>"O | 67.1<br>5  | 208 | 711,395.<br>30  | 2,165,426.<br>73 |
| 208                                | 209 | S36°03'20.38<br>"O | 46.1<br>6  | 209 | 711,368.<br>13  | 2,165,389.<br>41 |
| 209                                | 210 | N67°45'29.74<br>"O | 43.0<br>1  | 210 | 711,328.<br>32  | 2,165,405.<br>69 |
| 210                                | 211 | N51°23'13.37<br>"O | 129.<br>86 | 211 | 711,226.<br>85  | 2,165,486.<br>73 |
| 211                                | 212 | N74°26'22.04<br>"O | 72.3<br>9  | 212 | 711,157.<br>11  | 2,165,506.<br>15 |
| 212                                | 213 | S05°21'36.90<br>"E | 32.2<br>2  | 213 | 711,160.<br>12  | 2,165,474.<br>07 |
| 213                                | 214 | S25°25'21.68<br>"E | 52.7<br>1  | 214 | 711,182.<br>75  | 2,165,426.<br>46 |
| 214                                | 215 | S03°03'29.91<br>"O | 22.4<br>9  | 215 | 711,181.<br>55  | 2,165,404.<br>00 |
| 215                                | 216 | N66°20'00.09<br>"O | 38.7<br>4  | 216 | 711,146.<br>07  | 2,165,419.<br>55 |
| 216                                | 217 | S88°16'41.10<br>"O | 98.1<br>7  | 217 | 711,047.<br>94  | 2,165,416.<br>60 |
| 217                                | 218 | S25°50'37.23<br>"O | 101.<br>95 | 218 | 711,003.<br>50  | 2,165,324.<br>85 |
| 218                                | 219 | S05°33'37.78<br>"O | 36.8<br>4  | 219 | 710,999.<br>93  | 2,165,288.<br>18 |
| 219                                | 220 | S04°58'03.41<br>"E | 23.3<br>3  | 220 | 711,001.<br>95  | 2,165,264.<br>94 |
| 220                                | 221 | S37°46'52.28<br>"E | 51.4<br>3  | 221 | 711,033.<br>46  | 2,165,224.<br>29 |
| 221                                | 222 | S18°26'05.82<br>"E | 0.22       | 222 | 711,033.<br>53  | 2,165,224.<br>08 |
| 222                                | 223 | S04°05'08.22<br>"O | 0.14       | 223 | 711,033.<br>52  | 2,165,223.<br>94 |
| 223                                | 224 | S10°16'23.99<br>"O | 11.3<br>8  | 224 | 711,031.<br>49  | 2,165,212.<br>74 |
| 224                                | 225 | S19°39'13.77<br>"O | 0.15       | 225 | 711,031.<br>44  | 2,165,212.<br>60 |
| 225                                | 226 | S36°52'11.63<br>"O | 0.15       | 226 | 711,031.<br>35  | 2,165,212.<br>48 |
| 226                                | 227 | S52°40'50.88<br>"O | 27.0<br>3  | 227 | 711,009.<br>85  | 2,165,196.<br>09 |
| 227                                | 228 | S74°03'16.57<br>"O | 0.22       | 228 | 711,009.<br>64  | 2,165,196.<br>03 |
| 228                                | 229 | N89°58'42.49<br>"O | 26.6<br>1  | 229 | 710,983.<br>03  | 2,165,196.<br>04 |
| 229                                | 230 | N64°14'04.00<br>"O | 33.0<br>1  | 230 | 710,953.<br>30  | 2,165,210.<br>39 |
| 230                                | 231 | N53°57'16.00<br>"O | 27.8<br>0  | 231 | 710,930.<br>82  | 2,165,226.<br>75 |
| 231                                | 232 | N36°40'26.48<br>"O | 59.6<br>7  | 232 | 710,895.<br>18  | 2,165,274.<br>61 |
| 232                                | 233 | N51°43'03.32<br>"O | 24.4<br>2  | 233 | 710,876.<br>01  | 2,165,289.<br>74 |
| 233                                | 234 | N84°32'56.75<br>"O | 69.3<br>7  | 234 | 710,806.<br>95  | 2,165,296.<br>33 |
| 234                                | 235 | N61°02'42.38<br>"O | 54.7<br>0  | 235 | 710,759.<br>09  | 2,165,322.<br>81 |
| 235                                | 236 | S00°41'59.21<br>"O | 83.5<br>2  | 236 | 710,758.<br>07  | 2,165,239.<br>30 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IA |     |                |        |     |                 |              |
|------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                               |     | RUMBO          | DIST   | V   | COORDENADAS UTM |              |
| ES                                 | PV  |                |        |     | X               | Y            |
| 236                                | 237 | S69°10'04.29"E | 30.85  | 237 | 710,786.90      | 2,165,228.33 |
| 237                                | 238 | S02°26'13.61"E | 52.21  | 238 | 710,789.12      | 2,165,176.17 |
| 238                                | 239 | S03°34'37.43"O | 49.05  | 239 | 710,786.06      | 2,165,127.22 |
| 239                                | 240 | S10°56'36.06"O | 32.19  | 240 | 710,779.95      | 2,165,095.62 |
| 240                                | 241 | S19°39'13.77"O | 0.15   | 241 | 710,779.90      | 2,165,095.48 |
| 241                                | 242 | S36°52'11.63"O | 0.15   | 242 | 710,779.81      | 2,165,095.36 |
| 242                                | 243 | S63°50'42.89"O | 66.20  | 243 | 710,720.39      | 2,165,066.18 |
| 243                                | 244 | S09°27'44.36"E | 37.17  | 244 | 710,726.50      | 2,165,029.52 |
| 244                                | 245 | S76°30'26.39"E | 65.45  | 245 | 710,790.14      | 2,165,014.25 |
| 245                                | 246 | S01°02'37.40"E | 84.54  | 246 | 710,791.68      | 2,164,929.72 |
| 246                                | 247 | N67°31'09.92"O | 31.96  | 247 | 710,762.15      | 2,164,941.94 |
| 247                                | 248 | N79°08'07.99"O | 102.66 | 248 | 710,661.33      | 2,164,961.29 |
| 248                                | 249 | S68°33'35.00"O | 30.64  | 249 | 710,632.81      | 2,164,950.09 |
| 249                                | 250 | S36°14'26.99"O | 18.95  | 250 | 710,621.61      | 2,164,934.81 |
| 250                                | 251 | S23°57'58.88"O | 30.08  | 251 | 710,609.39      | 2,164,907.32 |
| 251                                | 252 | S37°44'43.23"O | 39.92  | 252 | 710,584.95      | 2,164,875.75 |
| 252                                | 253 | S13°23'06.92"O | 21.99  | 253 | 710,579.86      | 2,164,854.36 |
| 253                                | 254 | S01°32'46.21"E | 31.13  | 254 | 710,580.70      | 2,164,823.24 |
| 254                                | 255 | N89°59'38.03"O | 9.39   | 255 | 710,571.31      | 2,164,823.24 |
| 255                                | 256 | N53°16'25.18"O | 93.71  | 256 | 710,496.20      | 2,164,879.28 |
| 256                                | 257 | S38°08'01.41"O | 82.15  | 257 | 710,445.47      | 2,164,814.66 |
| 257                                | 258 | S26°07'41.67"O | 24.64  | 258 | 710,434.62      | 2,164,792.54 |
| 258                                | 259 | S26°07'52.35"O | 46.66  | 259 | 710,414.07      | 2,164,750.65 |
| 259                                | 260 | S33°51'01.82"E | 57.45  | 260 | 710,446.07      | 2,164,702.94 |
| 260                                | 261 | N48°33'22.45"E | 81.74  | 261 | 710,507.34      | 2,164,757.04 |
| 261                                | 262 | N44°25'08.94"E | 73.24  | 262 | 710,558.60      | 2,164,809.35 |
| 262                                | 263 | S84°33'21.62"E | 22.24  | 263 | 710,580.74      | 2,164,807.24 |
| 263                                | 264 | S03°09'16.33"E | 43.98  | 264 | 710,583.16      | 2,164,763.33 |
| 264                                | 265 | S25°30'30.44"E | 82.46  | 265 | 710,618.67      | 2,164,688.91 |
| 265                                | 266 | S24°20'51.06"O | 29.01  | 266 | 710,606.71      | 2,164,662.48 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IA |     |                |        |     |                 |              |
|------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                               |     | RUMBO          | DIST   | V   | COORDENADAS UTM |              |
| ES                                 | PV  |                |        |     | X               | Y            |
| 266                                | 267 | S13°00'22.58"O | 47.90  | 267 | 710,595.93      | 2,164,615.81 |
| 267                                | 268 | S03°16'41.14"E | 30.08  | 268 | 710,597.65      | 2,164,585.78 |
| 268                                | 269 | S50°45'29.74"E | 11.84  | 269 | 710,606.82      | 2,164,578.29 |
| 269                                | 270 | S03°34'34.80"O | 0.16   | 270 | 710,606.81      | 2,164,578.13 |
| 270                                | 271 | S26°33'54.18"O | 0.25   | 271 | 710,606.70      | 2,164,577.91 |
| 271                                | 272 | S54°35'34.89"O | 51.47  | 272 | 710,564.75      | 2,164,548.09 |
| 272                                | 273 | N86°02'01.69"O | 40.34  | 273 | 710,524.51      | 2,164,550.88 |
| 273                                | 274 | S07°32'17.15"O | 24.77  | 274 | 710,521.26      | 2,164,526.32 |
| 274                                | 275 | S29°08'32.08"O | 33.02  | 275 | 710,505.18      | 2,164,497.48 |
| 275                                | 276 | N89°25'47.68"E | 34.17  | 276 | 710,539.35      | 2,164,497.82 |
| 276                                | 277 | S58°45'50.55"E | 29.60  | 277 | 710,564.66      | 2,164,482.47 |
| 277                                | 278 | S39°13'34.65"E | 14.69  | 278 | 710,573.95      | 2,164,471.09 |
| 278                                | 279 | S59°21'01.80"E | 31.27  | 279 | 710,600.85      | 2,164,455.15 |
| 279                                | 280 | S19°23'53.05"E | 59.07  | 280 | 710,620.47      | 2,164,399.43 |
| 280                                | 281 | S49°07'38.64"E | 43.52  | 281 | 710,653.38      | 2,164,370.95 |
| 281                                | 282 | S68°13'27.49"O | 33.10  | 282 | 710,622.64      | 2,164,358.67 |
| 282                                | 283 | N72°44'21.39"O | 47.99  | 283 | 710,576.81      | 2,164,372.91 |
| 283                                | 284 | N89°20'04.14"O | 146.36 | 284 | 710,430.46      | 2,164,374.61 |
| 284                                | 285 | N75°09'58.89"O | 88.71  | 285 | 710,344.71      | 2,164,397.32 |
| 285                                | 286 | N86°33'38.65"O | 56.84  | 286 | 710,287.97      | 2,164,400.73 |
| 286                                | 287 | N86°33'25.17"O | 48.79  | 287 | 710,239.27      | 2,164,403.66 |
| 287                                | 288 | N62°50'14.62"O | 78.90  | 288 | 710,169.07      | 2,164,439.68 |
| 288                                | 289 | N40°29'02.77"O | 100.23 | 289 | 710,104.00      | 2,164,515.91 |
| 289                                | 290 | N34°35'27.73"O | 77.96  | 290 | 710,059.74      | 2,164,580.09 |
| 290                                | 291 | N65°08'45.24"O | 37.00  | 291 | 710,026.17      | 2,164,595.64 |
| 291                                | 292 | N06°02'37.07"O | 348.20 | 292 | 709,989.51      | 2,164,941.90 |
| 292                                | 293 | N16°23'55.55"O | 164.74 | 293 | 709,943.00      | 2,165,099.94 |
| 293                                | 294 | N09°05'25.00"E | 0.25   | 294 | 709,943.04      | 2,165,100.19 |
| 294                                | 295 | N34°59'31.27"E | 0.24   | 295 | 709,943.18      | 2,165,100.39 |
| 295                                | 296 | N50°38'08.62"E | 24.77  | 296 | 709,962.33      | 2,165,116.10 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IA |         |                    |            |         |                 |                  |
|------------------------------------|---------|--------------------|------------|---------|-----------------|------------------|
| LADO                               |         | RUMBO              | DIST       | V       | COORDENADAS UTM |                  |
| ES<br>T                            | PV      |                    |            |         | X               | Y                |
| 29<br>6                            | 29<br>7 | N33°09'34.63<br>"O | 113.<br>24 | 29<br>7 | 709,900.<br>39  | 2,165,210.<br>90 |
| 29<br>7                            | 29<br>8 | N37°35'29.20<br>"O | 12.2<br>3  | 29<br>8 | 709,892.<br>93  | 2,165,220.<br>59 |
| 29<br>8                            | 29<br>9 | N33°36'00.10<br>"O | 5.29       | 29<br>9 | 709,890.<br>00  | 2,165,225.<br>00 |
| 29<br>9                            | 30<br>0 | N00°46'16.96<br>"O | 8.17       | 30<br>0 | 709,889.<br>89  | 2,165,233.<br>17 |
| 30<br>0                            | 30<br>1 | N00°57'45.51<br>"O | 173.<br>80 | 30<br>1 | 709,886.<br>97  | 2,165,406.<br>95 |
| 30<br>1                            | 30<br>2 | N12°48'15.36<br>"E | 0.23       | 30<br>2 | 709,887.<br>02  | 2,165,407.<br>17 |
| 30<br>2                            | 30<br>3 | N31°36'27.01<br>"E | 0.15       | 30<br>3 | 709,887.<br>10  | 2,165,407.<br>30 |
| 30<br>3                            | 30<br>4 | N42°49'10.14<br>"E | 305.<br>34 | 30<br>4 | 710,094.<br>64  | 2,165,631.<br>27 |
| 30<br>4                            | 30<br>5 | N47°52'33.76<br>"E | 149.<br>81 | 30<br>5 | 710,205.<br>75  | 2,165,731.<br>75 |
| 30<br>5                            | 30<br>6 | N62°21'14.49<br>"E | 0.24       | 30<br>6 | 710,205.<br>96  | 2,165,731.<br>86 |
| 30<br>6                            | 30<br>7 | N76°09'10.73<br>"E | 682.<br>24 | 30<br>7 | 710,868.<br>37  | 2,165,895.<br>14 |
| 30<br>7                            | 30<br>8 | N70°11'45.81<br>"E | 532.<br>23 | 30<br>8 | 711,369.<br>12  | 2,166,075.<br>46 |
| 30<br>8                            | 30<br>9 | N85°14'10.89<br>"E | 0.24       | 30<br>9 | 711,369.<br>36  | 2,166,075.<br>48 |
| 30<br>9                            | 31<br>0 | S67°45'03.51<br>"E | 0.24       | 31<br>0 | 711,369.<br>58  | 2,166,075.<br>39 |
| 31<br>0                            | 31<br>1 | S45°43'30.81<br>"E | 1.12       | 31<br>1 | 711,370.<br>38  | 2,166,074.<br>61 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IA |         |                    |            |         |                 |                  |
|------------------------------------|---------|--------------------|------------|---------|-----------------|------------------|
| LADO                               |         | RUMBO              | DIST       | V       | COORDENADAS UTM |                  |
| ES<br>T                            | PV      |                    |            |         | X               | Y                |
| 31<br>1                            | 31<br>2 | N52°16'04.20<br>"E | 196.<br>69 | 31<br>2 | 711,525.<br>94  | 2,166,194.<br>98 |
| 31<br>2                            | 31<br>3 | S72°34'32.13<br>"E | 198.<br>13 | 31<br>3 | 711,714.<br>98  | 2,166,135.<br>65 |
| 31<br>3                            | 31<br>4 | N89°59'57.54<br>"E | 83.8<br>1  | 31<br>4 | 711,798.<br>79  | 2,166,135.<br>65 |
| 31<br>4                            | 31<br>5 | N73°37'13.37<br>"E | 51.1<br>7  | 31<br>5 | 711,847.<br>88  | 2,166,150.<br>08 |
| 31<br>5                            | 31<br>6 | N58°00'28.95<br>"E | 27.1<br>4  | 31<br>6 | 711,870.<br>90  | 2,166,164.<br>46 |
| 31<br>6                            | 31<br>7 | N36°53'37.33<br>"E | 43.3<br>3  | 31<br>7 | 711,896.<br>91  | 2,166,199.<br>11 |
| 31<br>7                            | 31<br>8 | N48°48'50.67<br>"E | 0.21       | 31<br>8 | 711,897.<br>07  | 2,166,199.<br>25 |
| 31<br>8                            | 31<br>9 | N78°05'31.09<br>"E | 56.3<br>6  | 31<br>9 | 711,952.<br>22  | 2,166,210.<br>88 |
| 31<br>9                            | 32<br>0 | N89°59'44.52<br>"E | 133.<br>27 | 32<br>0 | 712,085.<br>49  | 2,166,210.<br>89 |
| 32<br>0                            | 32<br>1 | N82°46'47.44<br>"E | 50.0<br>5  | 32<br>1 | 712,135.<br>14  | 2,166,217.<br>18 |
| 32<br>1                            | 32<br>2 | N86°57'11.74<br>"E | 62.0<br>9  | 32<br>2 | 712,197.<br>14  | 2,166,220.<br>48 |
| 32<br>2                            | 32<br>3 | N77°10'25.75<br>"E | 12.7<br>5  | 32<br>3 | 712,209.<br>57  | 2,166,223.<br>31 |
| 32<br>3                            | 32<br>4 | N86°14'01.90<br>"E | 28.6<br>2  | 32<br>4 | 712,238.<br>13  | 2,166,225.<br>19 |
| 32<br>4                            | 32<br>5 | S78°13'54.16<br>"E | 0.25       | 32<br>5 | 712,238.<br>37  | 2,166,225.<br>14 |
| 32<br>5                            | 1       | S51°42'35.41<br>"E | 0.24       | 1       | 712,238.<br>56  | 2,166,224.<br>99 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IB |     |                |        |     |                 |              |
|------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                               |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| EST                                | PV  |                |        |     | X               | Y            |
|                                    |     |                |        | 327 | 726,264.93      | 2,166,875.74 |
| 327                                | 328 | S68°30'34.18"E | 310.39 | 328 | 726,553.74      | 1,66,762.03  |
| 328                                | 329 | S61°55'39.05"E | 0.17   | 329 | 726,553.89      | 2,166,761.95 |
| 329                                | 330 | S29°38'09.39"E | 63.28  | 330 | 726,585.18      | 2,166,706.95 |
| 330                                | 331 | S89°58'57.01"E | 65.49  | 331 | 726,650.67      | 2,166,706.93 |
| 331                                | 332 | S56°58'34.08"E | 0.24   | 332 | 726,650.87      | 2,166,706.80 |
| 332                                | 333 | S51°16'24.20"E | 93.77  | 333 | 726,724.02      | 2,166,648.14 |
| 333                                | 334 | S12°34'22.76"E | 140.66 | 334 | 726,693.40      | 2,166,510.85 |
| 334                                | 335 | S50°02'11.53"E | 50.18  | 335 | 726,731.86      | 2,166,478.62 |
| 335                                | 336 | N29°53'34.99"E | 99.76  | 336 | 726,781.58      | 2,166,565.11 |
| 336                                | 337 | N71°18'33.79"E | 75.83  | 337 | 726,853.41      | 2,166,589.41 |
| 337                                | 338 | N40°26'11.53"E | 32.44  | 338 | 726,874.45      | 2,166,614.10 |
| 338                                | 339 | S77°39'12.48"E | 406.41 | 339 | 727,271.46      | 2,166,527.20 |
| 339                                | 340 | S72°45'04.23"E | 66.61  | 340 | 727,335.07      | 2,166,507.45 |
| 340                                | 341 | S84°19'10.77"E | 49.00  | 341 | 727,383.83      | 2,166,502.60 |
| 341                                | 342 | S82°14'55.60"E | 48.12  | 342 | 727,431.51      | 2,166,496.11 |
| 342                                | 343 | S71°06'42.20"E | 45.56  | 343 | 727,474.62      | 2,166,481.36 |
| 343                                | 344 | N88°20'47.13"E | 17.33  | 344 | 727,491.94      | 2,166,481.86 |
| 344                                | 345 | S73°31'02.41"E | 109.72 | 345 | 727,597.15      | 2,166,450.73 |
| 345                                | 346 | N87°53'13.94"E | 30.65  | 346 | 727,627.78      | 2,166,451.86 |
| 346                                | 347 | S63°27'14.41"E | 13.45  | 347 | 727,639.81      | 2,166,445.85 |
| 347                                | 348 | S79°12'08.08"E | 25.89  | 348 | 727,665.24      | 2,166,441.00 |
| 348                                | 349 | N67°15'53.81"E | 169.12 | 349 | 727,821.22      | 2,166,506.36 |
| 349                                | 350 | N71°33'28.36"E | 25.26  | 350 | 727,845.18      | 2,166,514.35 |
| 350                                | 351 | N78°41'24.24"E | 0.15   | 351 | 727,845.33      | 2,166,514.38 |
| 351                                | 352 | S85°27'08.54"E | 140.75 | 352 | 727,985.64      | 2,166,503.22 |
| 352                                | 353 | S71°10'43.02"E | 74.08  | 353 | 728,055.76      | 2,166,479.32 |
| 353                                | 354 | N89°59'53.17"E | 30.22  | 354 | 728,085.98      | 2,166,479.32 |
| 354                                | 355 | S86°52'38.84"E | 87.77  | 355 | 728,173.62      | 2,166,474.54 |
| 355                                | 356 | S81°53'29.26"E | 22.55  | 356 | 728,195.94      | 2,166,471.36 |
| 356                                | 357 | S89°59'54.04"E | 345.81 | 357 | 728,541.75      | 2,166,471.35 |
| 357                                | 358 | S76°25'52.25"E | 47.57  | 358 | 728,587.99      | 2,166,460.19 |
| 358                                | 359 | S82°14'10.65"E | 35.38  | 359 | 728,623.05      | 2,166,455.41 |
| 359                                | 360 | S72°21'43.22"E | 36.83  | 360 | 728,658.15      | 2,166,444.25 |
| 360                                | 361 | S75°19'01.64"E | 69.20  | 361 | 728,725.09      | 2,166,426.71 |
| 361                                | 362 | S67°37'28.75"E | 58.58  | 362 | 728,779.26      | 2,166,404.41 |
| 362                                | 363 | S78°49'04.84"E | 139.64 | 363 | 728,916.25      | 2,166,377.33 |
| 363                                | 364 | S68°17'18.12"E | 45.03  | 364 | 728,958.09      | 2,166,360.67 |
| 364                                | 365 | S77°25'59.43"E | 86.64  | 365 | 729,042.65      | 2,166,341.82 |
| 365                                | 366 | S69°26'38.24"E | 0.17   | 366 | 729,042.81      | 2,166,341.76 |
| 366                                | 367 | S57°29'30.30"E | 13.04  | 367 | 729,053.81      | 2,166,334.75 |
| 367                                | 368 | S73°07'14.44"E | 513.82 | 368 | 729,545.49      | 2,166,185.56 |
| 368                                | 369 | S79°44'03.30"E | 116.66 | 369 | 729,660.28      | 2,166,164.77 |
| 369                                | 370 | S72°34'43.61"E | 257.39 | 370 | 729,905.86      | 2,166,087.71 |
| 370                                | 371 | S82°48'12.80"E | 287.54 | 371 | 730,191.13      | 2,166,051.69 |
| 371                                | 372 | S54°31'09.27"E | 203.61 | 372 | 730,356.93      | 2,165,933.51 |
| 372                                | 373 | S67°22'14.43"E | 18.63  | 373 | 730,374.13      | 2,165,926.34 |
| 373                                | 374 | S77°28'16.29"E | 13.18  | 374 | 730,387.00      | 2,165,923.48 |
| 374                                | 375 | N89°59'50.41"E | 21.51  | 375 | 730,408.51      | 2,165,923.48 |
| 375                                | 376 | N79°22'12.26"E | 11.65  | 376 | 730,419.96      | 2,165,925.63 |
| 376                                | 377 | N72°46'07.07"E | 84.16  | 377 | 730,500.34      | 2,165,950.56 |
| 377                                | 378 | N83°17'24.59"E | 0.17   | 378 | 730,500.51      | 2,165,950.58 |
| 378                                | 379 | S76°45'34.13"E | 0.17   | 379 | 730,500.68      | 2,165,950.54 |
| 379                                | 380 | S59°02'10.48"E | 0.17   | 380 | 730,500.83      | 2,165,950.45 |
| 380                                | 381 | S32°28'16.29"E | 0.26   | 381 | 730,500.97      | 2,165,950.23 |
| 381                                | 382 | S18°09'08.60"E | 56.43  | 382 | 730,518.55      | 2,165,896.61 |
| 382                                | 383 | S01°34'02.59"E | 79.70  | 383 | 730,516.37      | 2,165,816.94 |
| 383                                | 384 | S16°15'36.74"E | 0.25   | 384 | 730,516.30      | 2,165,816.70 |
| 384                                | 385 | S40°14'10.89"E | 0.17   | 385 | 730,516.19      | 2,165,816.57 |
| 385                                | 386 | S63°26'05.82"E | 0.25   | 386 | 730,515.97      | 2,165,816.46 |
| 386                                | 387 | S88°01'30.24"E | 0.29   | 387 | 730,515.68      | 2,165,816.45 |
| 387                                | 388 | S02°52'21.53"E | 30.73  | 388 | 730,514.14      | 2,165,785.76 |
| 388                                | 389 | S74°18'19.05"E | 252.41 | 389 | 730,757.14      | 2,165,717.48 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IB |     |                |        |     |                 |              |
|------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO<br>EST                        | PV  | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
|                                    |     |                |        |     | X               | Y            |
| 389                                | 390 | S60°15'18.43"E | 0.24   | 390 | 730,757.35      | 2,165,717.36 |
| 390                                | 391 | S31°45'34.13"E | 0.25   | 391 | 730,757.48      | 2,165,717.15 |
| 391                                | 392 | S07°07'30.06"E | 0.16   | 392 | 730,757.50      | 2,165,716.99 |
| 392                                | 393 | S10°37'10.76"E | 0.16   | 393 | 730,757.47      | 2,165,716.83 |
| 393                                | 394 | S19°43'01.54"E | 316.15 | 394 | 730,650.81      | 2,165,419.22 |
| 394                                | 395 | S29°44'41.57"E | 0.16   | 395 | 730,650.73      | 2,165,419.08 |
| 395                                | 396 | S19°42'13.59"E | 107.25 | 396 | 730,614.57      | 2,165,318.11 |
| 396                                | 397 | S41°36'32.74"E | 330.91 | 397 | 730,834.31      | 2,165,070.69 |
| 397                                | 398 | S28°36'37.65"E | 0.25   | 398 | 730,834.43      | 2,165,070.47 |
| 398                                | 399 | S02°17'26.20"E | 0.25   | 399 | 730,834.42      | 2,165,070.22 |
| 399                                | 400 | S28°04'20.95"E | 0.17   | 400 | 730,834.34      | 2,165,070.07 |
| 400                                | 401 | S45°00'00.00"E | 0.17   | 401 | 730,834.22      | 2,165,069.95 |
| 401                                | 402 | S64°58'59.18"E | 0.17   | 402 | 730,834.07      | 2,165,069.88 |
| 402                                | 403 | S83°17'24.59"E | 0.17   | 403 | 730,833.90      | 2,165,069.86 |
| 403                                | 404 | N85°21'36.06"E | 54.64  | 404 | 730,779.44      | 2,165,074.28 |
| 404                                | 405 | N79°42'02.79"E | 36.47  | 405 | 730,743.56      | 2,165,080.80 |
| 405                                | 406 | N69°26'38.24"E | 0.17   | 406 | 730,743.40      | 2,165,080.86 |
| 406                                | 407 | N49°45'49.11"E | 0.17   | 407 | 730,743.27      | 2,165,080.97 |
| 407                                | 408 | N39°36'38.03"E | 122.64 | 408 | 730,665.08      | 2,165,175.45 |
| 408                                | 409 | N30°24'42.12"E | 173.72 | 409 | 730,577.14      | 2,165,325.27 |
| 409                                | 410 | N40°35'29.92"E | 90.15  | 410 | 730,518.48      | 2,165,393.73 |
| 410                                | 411 | N18°25'47.76"E | 72.25  | 411 | 730,495.64      | 2,165,462.27 |
| 411                                | 412 | N00°00'22.60"E | 91.27  | 412 | 730,495.63      | 2,165,553.54 |
| 412                                | 413 | N09°27'44.36"E | 0.18   | 413 | 730,495.66      | 2,165,553.72 |
| 413                                | 414 | N21°02'18.31"E | 90.64  | 414 | 730,528.20      | 2,165,638.32 |
| 414                                | 415 | N03°11'08.98"E | 58.30  | 415 | 730,531.44      | 2,165,696.53 |
| 415                                | 416 | N64°26'55.83"E | 53.58  | 416 | 730,483.10      | 2,165,719.64 |
| 416                                | 417 | S85°33'22.24"E | 363.31 | 417 | 730,120.88      | 2,165,691.49 |
| 417                                | 418 | S81°40'38.80"E | 218.94 | 418 | 729,904.25      | 2,165,659.80 |
| 418                                | 419 | S77°09'29.11"E | 99.84  | 419 | 729,806.91      | 2,165,637.61 |
| 419                                | 420 | S86°46'55.01"E | 260.26 | 420 | 729,547.06      | 2,165,623.00 |
| 420                                | 421 | N76°50'25.13"E | 412.36 | 421 | 729,145.53      | 2,165,716.88 |
| 421                                | 422 | N63°07'14.17"E | 167.10 | 422 | 728,996.48      | 2,165,792.43 |
| 422                                | 423 | N48°13'12.02"E | 74.40  | 423 | 728,941.00      | 2,165,842.00 |
| 423                                | 424 | N39°29'07.65"E | 60.04  | 424 | 728,902.82      | 2,165,888.34 |
| 424                                | 425 | N49°25'06.71"E | 40.75  | 425 | 728,871.87      | 2,165,914.85 |
| 425                                | 426 | N45°25'59.80"E | 31.79  | 426 | 728,849.22      | 2,165,937.16 |
| 426                                | 427 | N23°04'02.12"E | 15.47  | 427 | 728,843.16      | 2,165,951.39 |
| 427                                | 428 | N60°16'28.26"E | 21.98  | 428 | 728,824.07      | 2,165,962.29 |
| 428                                | 429 | S81°53'42.35"E | 19.29  | 429 | 728,804.97      | 2,165,959.57 |
| 429                                | 430 | S26°33'54.18"E | 18.29  | 430 | 728,796.79      | 2,165,943.21 |
| 430                                | 431 | N78°06'09.68"E | 368.26 | 431 | 728,436.44      | 2,166,019.13 |
| 431                                | 432 | N55°49'52.64"E | 174.63 | 432 | 728,291.95      | 2,166,117.21 |
| 432                                | 433 | N79°40'38.22"E | 103.24 | 433 | 728,190.38      | 2,166,135.71 |
| 433                                | 434 | S74°40'11.24"E | 95.70  | 434 | 728,098.09      | 2,166,110.41 |
| 434                                | 435 | N85°01'48.93"E | 0.23   | 435 | 728,097.86      | 2,166,110.43 |
| 435                                | 436 | N61°11'21.14"E | 0.23   | 436 | 728,097.66      | 2,166,110.54 |
| 436                                | 437 | N47°14'06.86"E | 116.39 | 437 | 728,012.21      | 2,166,189.57 |
| 437                                | 438 | N75°58'21.25"E | 63.08  | 438 | 727,951.01      | 2,166,204.86 |
| 438                                | 439 | N72°02'35.43"E | 99.29  | 439 | 727,856.56      | 2,166,235.47 |
| 439                                | 440 | N81°26'07.37"E | 68.63  | 440 | 727,788.70      | 2,166,245.69 |
| 440                                | 441 | N85°55'13.18"E | 89.26  | 441 | 727,699.67      | 2,166,252.04 |
| 441                                | 442 | S75°17'58.39"E | 49.38  | 442 | 727,651.91      | 2,166,239.51 |
| 442                                | 443 | S31°35'12.70"E | 85.47  | 443 | 727,607.14      | 2,166,166.70 |
| 443                                | 444 | S46°50'51.40"E | 0.22   | 444 | 727,606.98      | 2,166,166.55 |
| 444                                | 445 | S69°08'43.95"E | 0.22   | 445 | 727,606.77      | 2,166,166.47 |
| 445                                | 446 | S82°57'18.47"E | 14.19  | 446 | 727,592.69      | 2,166,164.73 |
| 446                                | 447 | N82°24'16.70"E | 52.73  | 447 | 727,540.42      | 2,166,171.70 |
| 447                                | 448 | S82°33'33.84"E | 40.31  | 448 | 727,500.45      | 2,166,166.48 |
| 448                                | 449 | S62°06'25.88"E | 33.39  | 449 | 727,470.94      | 2,166,150.86 |
| 449                                | 450 | S42°39'35.10"E | 56.11  | 450 | 727,432.92      | 2,166,109.60 |
| 450                                | 451 | S54°27'44.36"E | 0.17   | 451 | 727,432.78      | 2,166,109.50 |
| 451                                | 452 | S72°38'45.51"E | 0.17   | 452 | 727,432.62      | 2,166,109.45 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IB |     |                |        |     |                 |              |   |   |  |
|------------------------------------|-----|----------------|--------|-----|-----------------|--------------|---|---|--|
| LADO                               |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              | X | Y |  |
| EST                                | PV  |                |        |     |                 |              |   |   |  |
| 452                                | 453 | N89°39'46.69"O | 0.17   | 453 | 727,432.45      | 2,166,109.45 |   |   |  |
| 453                                | 454 | N58°14'23.67"O | 72.00  | 454 | 727,371.23      | 2,166,147.35 |   |   |  |
| 454                                | 455 | N77°16'47.97"O | 87.11  | 455 | 727,286.26      | 2,166,166.53 |   |   |  |
| 455                                | 456 | N56°36'05.44"O | 55.59  | 456 | 727,239.85      | 2,166,197.13 |   |   |  |
| 456                                | 457 | N72°38'15.87"O | 157.77 | 457 | 727,089.27      | 2,166,244.21 |   |   |  |
| 457                                | 458 | S68°19'26.39"O | 85.69  | 458 | 727,009.64      | 2,166,212.56 |   |   |  |
| 458                                | 459 | N83°40'08.25"O | 110.63 | 459 | 726,899.68      | 2,166,224.76 |   |   |  |
| 459                                | 460 | S38°58'41.83"O | 81.76  | 460 | 726,848.25      | 2,166,161.20 |   |   |  |
| 460                                | 461 | S53°07'48.37"O | 0.25   | 461 | 726,848.05      | 2,166,161.05 |   |   |  |
| 461                                | 462 | S82°52'29.94"O | 0.24   | 462 | 726,847.81      | 2,166,161.02 |   |   |  |
| 462                                | 463 | N74°04'02.64"O | 79.96  | 463 | 726,770.92      | 2,166,182.97 |   |   |  |
| 463                                | 464 | N54°00'09.19"O | 74.61  | 464 | 726,710.56      | 2,166,226.82 |   |   |  |
| 464                                | 465 | N66°10'30.09"O | 257.63 | 465 | 726,474.88      | 2,166,330.89 |   |   |  |
| 465                                | 466 | N70°26'04.12"O | 130.94 | 466 | 726,351.50      | 2,166,374.74 |   |   |  |
| 466                                | 467 | N62°56'20.55"O | 260.94 | 467 | 726,119.13      | 2,166,493.45 |   |   |  |
| 467                                | 468 | N55°18'17.45"O | 0.16   | 468 | 726,119.00      | 2,166,493.54 |   |   |  |
| 468                                | 469 | N44°22'16.85"O | 47.05  | 469 | 726,086.10      | 2,166,527.17 |   |   |  |
| 469                                | 470 | N68°54'45.32"O | 128.60 | 470 | 725,966.11      | 2,166,573.44 |   |   |  |
| 470                                | 471 | N84°45'32.82"O | 11.17  | 471 | 725,954.99      | 2,166,574.46 |   |   |  |
| 471                                | 472 | N70°37'36.44"O | 57.55  | 472 | 725,900.70      | 2,166,593.55 |   |   |  |
| 472                                | 473 | N81°48'41.74"O | 94.50  | 473 | 725,807.16      | 2,166,607.01 |   |   |  |
| 473                                | 474 | N79°11'28.50"O | 69.06  | 474 | 725,739.33      | 2,166,619.96 |   |   |  |
| 474                                | 475 | N82°45'53.79"O | 48.44  | 475 | 725,691.28      | 2,166,626.06 |   |   |  |
| 475                                | 476 | N77°58'57.89"O | 47.50  | 476 | 725,644.82      | 2,166,635.95 |   |   |  |
| 476                                | 477 | N88°11'36.88"O | 26.01  | 477 | 725,618.82      | 2,166,636.77 |   |   |  |
| 477                                | 478 | S54°49'31.00"O | 29.54  | 478 | 725,594.67      | 2,166,619.75 |   |   |  |
| 478                                | 479 | S74°12'54.72"O | 68.12  | 479 | 725,529.12      | 2,166,601.22 |   |   |  |
| 479                                | 480 | S65°46'33.69"O | 138.60 | 480 | 725,402.72      | 2,166,544.35 |   |   |  |
| 480                                | 481 | S39°49'18.18"O | 9.09   | 481 | 725,396.90      | 2,166,537.37 |   |   |  |
| 481                                | 482 | S22°34'54.26"O | 26.59  | 482 | 725,386.69      | 2,166,512.82 |   |   |  |
| 482                                | 483 | S11°57'03.64"O | 9.47   | 483 | 725,384.73      | 2,166,503.56 |   |   |  |
| 483                                | 484 | S18°47'40.69"O | 24.18  | 484 | 725,376.94      | 2,166,480.67 |   |   |  |
| 484                                | 485 | S28°18'02.72"O | 0.15   | 485 | 725,376.87      | 2,166,480.54 |   |   |  |
| 485                                | 486 | S44°59'60.00"O | 17.96  | 486 | 725,364.17      | 2,166,467.84 |   |   |  |
| 486                                | 487 | S38°41'18.57"O | 24.96  | 487 | 725,348.57      | 2,166,448.36 |   |   |  |
| 487                                | 488 | S42°35'27.50"O | 48.95  | 488 | 725,315.44      | 2,166,412.32 |   |   |  |
| 488                                | 489 | S52°25'53.07"O | 0.16   | 489 | 725,315.31      | 2,166,412.22 |   |   |  |
| 489                                | 490 | S61°12'38.35"O | 22.24  | 490 | 725,295.82      | 2,166,401.51 |   |   |  |
| 490                                | 491 | S75°01'11.67"O | 15.17  | 491 | 725,281.17      | 2,166,397.59 |   |   |  |
| 491                                | 492 | S56°58'34.08"O | 10.26  | 492 | 725,272.57      | 2,166,392.00 |   |   |  |
| 492                                | 493 | S82°24'19.28"O | 0.15   | 493 | 725,272.42      | 2,166,391.98 |   |   |  |
| 493                                | 494 | N71°16'05.61"O | 47.61  | 494 | 725,227.33      | 2,166,407.27 |   |   |  |
| 494                                | 495 | S75°23'26.78"O | 124.17 | 495 | 725,107.17      | 2,166,375.95 |   |   |  |
| 495                                | 496 | S57°01'55.97"O | 32.12  | 496 | 725,080.22      | 2,166,358.47 |   |   |  |
| 496                                | 497 | S28°19'48.16"O | 10.60  | 497 | 725,075.19      | 2,166,349.14 |   |   |  |
| 497                                | 498 | S12°53'18.49"O | 16.59  | 498 | 725,071.49      | 2,166,332.97 |   |   |  |
| 498                                | 499 | S35°39'07.73"O | 47.71  | 499 | 725,043.68      | 2,166,294.20 |   |   |  |
| 499                                | 500 | S20°02'49.11"O | 8.43   | 500 | 725,040.79      | 2,166,286.28 |   |   |  |
| 500                                | 501 | S05°31'39.14"O | 22.74  | 501 | 725,038.60      | 2,166,263.65 |   |   |  |
| 501                                | 502 | S14°44'36.83"O | 0.20   | 502 | 725,038.55      | 2,166,263.46 |   |   |  |
| 502                                | 503 | S34°25'35.07"O | 78.34  | 503 | 724,994.26      | 2,166,198.84 |   |   |  |
| 503                                | 504 | S45°00'59.30"O | 122.97 | 504 | 724,907.28      | 2,166,111.91 |   |   |  |
| 504                                | 505 | S19°40'59.98"O | 71.85  | 505 | 724,883.08      | 2,166,044.26 |   |   |  |
| 505                                | 506 | S46°05'46.32"O | 181.11 | 506 | 724,752.59      | 2,165,918.67 |   |   |  |
| 506                                | 507 | S29°42'20.26"O | 141.22 | 507 | 724,682.61      | 2,165,796.01 |   |   |  |
| 507                                | 508 | S30°44'28.75"O | 27.39  | 508 | 724,668.61      | 2,165,772.47 |   |   |  |
| 508                                | 509 | S45°24'54.27"O | 28.31  | 509 | 724,688.77      | 2,165,752.60 |   |   |  |
| 509                                | 510 | S78°55'30.64"E | 108.49 | 510 | 724,795.24      | 2,165,731.76 |   |   |  |
| 510                                | 511 | S49°24'26.12"E | 21.81  | 511 | 724,811.80      | 2,165,717.57 |   |   |  |
| 511                                | 512 | S29°03'16.57"E | 0.21   | 512 | 724,811.90      | 2,165,717.39 |   |   |  |
| 512                                | 513 | S13°34'59.82"E | 70.26  | 513 | 724,828.40      | 2,165,649.10 |   |   |  |
| 513                                | 514 | S40°11'59.36"E | 270.74 | 514 | 725,003.15      | 2,165,442.31 |   |   |  |
| 514                                | 515 | S45°01'03.01"E | 162.02 | 515 | 725,117.75      | 2,165,327.78 |   |   |  |

| CUADRO DE CONSTRUCCIÓN POLIGONO IB |     |                |        |     |                 |              |
|------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                               |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| EST                                | PV  |                |        |     | X               | Y            |
| 515                                | 516 | S23°26'38.13"E | 208.22 | 516 | 725,200.59      | 2,165,136.75 |
| 516                                | 517 | S07°07'54.99"E | 51.31  | 517 | 725,206.96      | 2,165,085.84 |
| 517                                | 518 | S18°27'43.56"E | 40.04  | 518 | 725,219.64      | 2,165,047.86 |
| 518                                | 519 | S49°46'51.87"E | 108.08 | 519 | 725,302.17      | 2,164,978.07 |
| 519                                | 520 | S82°24'29.20"E | 96.20  | 520 | 725,397.53      | 2,164,965.36 |
| 520                                | 521 | S73°18'41.34"E | 66.51  | 521 | 725,461.24      | 2,164,946.26 |
| 521                                | 522 | S65°13'29.49"E | 0.14   | 522 | 725,461.37      | 2,164,946.20 |
| 522                                | 523 | S44°59'60.00"E | 0.21   | 523 | 725,461.52      | 2,164,946.05 |
| 523                                | 524 | S32°17'26.29"E | 142.86 | 524 | 725,537.84      | 2,164,825.28 |
| 524                                | 525 | S58°00'09.78"E | 59.99  | 525 | 725,588.72      | 2,164,793.49 |
| 525                                | 526 | S45°01'21.05"E | 89.98  | 526 | 725,652.37      | 2,164,729.89 |
| 526                                | 527 | S59°04'32.17"E | 277.11 | 527 | 725,890.09      | 2,164,587.48 |
| 527                                | 528 | S50°42'38.14"E | 0.14   | 528 | 725,890.20      | 2,164,587.39 |
| 528                                | 529 | S42°01'50.29"E | 90.23  | 529 | 725,950.61      | 2,164,520.37 |
| 529                                | 530 | S62°06'51.44"E | 128.84 | 530 | 726,064.49      | 2,164,460.11 |
| 530                                | 531 | S47°43'34.72"E | 0.15   | 531 | 726,064.60      | 2,164,460.01 |
| 531                                | 532 | S36°53'01.10"E | 100.07 | 532 | 726,124.66      | 2,164,379.97 |
| 532                                | 533 | S43°36'25.48"E | 194.89 | 533 | 726,259.08      | 2,164,238.85 |
| 533                                | 534 | S38°03'45.65"E | 195.71 | 534 | 726,379.74      | 2,164,084.76 |
| 534                                | 535 | S56°17'36.42"E | 183.17 | 535 | 726,532.12      | 2,163,983.11 |
| 535                                | 536 | S86°25'25.20"E | 0.16   | 536 | 726,532.28      | 2,163,983.10 |
| 536                                | 537 | S55°50'02.17"E | 212.66 | 537 | 726,708.24      | 2,163,863.67 |
| 537                                | 538 | S69°25'39.36"E | 57.40  | 538 | 726,761.98      | 2,163,843.50 |
| 538                                | 539 | S42°16'25.28"E | 0.15   | 539 | 726,762.08      | 2,163,843.39 |
| 539                                | 540 | S19°10'44.43"E | 0.24   | 540 | 726,762.16      | 2,163,843.16 |
| 540                                | 541 | S05°11'50.06"E | 73.85  | 541 | 726,768.85      | 2,163,769.61 |
| 541                                | 542 | S41°50'21.34"E | 170.69 | 542 | 726,882.71      | 2,163,642.44 |
| 542                                | 543 | S59°26'07.45"E | 170.10 | 543 | 727,029.18      | 2,163,555.94 |
| 543                                | 544 | S52°31'16.43"E | 111.23 | 544 | 727,117.45      | 2,163,488.26 |
| 544                                | 545 | S32°01'45.79"E | 63.26  | 545 | 727,151.00      | 2,163,434.63 |
| 545                                | 546 | S53°32'30.87"E | 316.39 | 546 | 727,405.47      | 2,163,246.62 |
| 546                                | 547 | S21°34'47.66"E | 5.76   | 547 | 727,407.59      | 2,163,241.26 |
| 547                                | 548 | S71°17'54.92"O | 58.48  | 548 | 727,352.20      | 2,163,222.51 |
| 548                                | 549 | S34°46'12.38"E | 23.69  | 549 | 727,365.71      | 2,163,203.05 |
| 549                                | 550 | S33°33'44.33"E | 256.24 | 550 | 727,507.37      | 2,162,989.53 |
| 550                                | 551 | S21°31'22.44"E | 75.26  | 551 | 727,534.98      | 2,162,919.52 |
| 551                                | 552 | S52°54'25.79"O | 0.51   | 552 | 727,534.57      | 2,162,919.21 |
| 552                                | 553 | S83°25'05.00"O | 0.26   | 553 | 727,534.31      | 2,162,919.18 |
| 553                                | 554 | N71°34'57.49"O | 164.84 | 554 | 727,377.91      | 2,162,971.26 |
| 554                                | 555 | S76°01'51.42"O | 26.89  | 555 | 727,351.82      | 2,162,964.77 |
| 555                                | 556 | N72°38'45.51"O | 0.17   | 556 | 727,351.66      | 2,162,964.82 |
| 556                                | 557 | N64°14'30.55"O | 419.84 | 557 | 726,973.54      | 2,163,147.27 |
| 557                                | 558 | N39°50'34.86"O | 101.88 | 558 | 726,908.27      | 2,163,225.49 |
| 558                                | 559 | N46°08'23.27"O | 234.97 | 559 | 726,738.85      | 2,163,388.30 |
| 559                                | 560 | N53°45'44.72"O | 242.48 | 560 | 726,543.27      | 2,163,531.64 |
| 560                                | 561 | N34°41'42.55"O | 0.16   | 561 | 726,543.18      | 2,163,531.77 |
| 561                                | 562 | N08°09'48.89"O | 45.99  | 562 | 726,536.65      | 2,163,577.29 |
| 562                                | 563 | N57°06'42.28"O | 131.60 | 563 | 726,426.14      | 2,163,648.75 |
| 563                                | 564 | N35°32'15.64"O | 0.17   | 564 | 726,426.04      | 2,163,648.89 |
| 564                                | 565 | N08°22'19.26"O | 46.22  | 565 | 726,419.31      | 2,163,694.62 |
| 565                                | 566 | N40°15'09.96"O | 110.73 | 566 | 726,347.76      | 2,163,779.13 |
| 566                                | 567 | N59°56'53.99"O | 259.22 | 567 | 726,123.39      | 2,163,908.94 |
| 567                                | 568 | N36°21'50.62"O | 76.57  | 568 | 726,077.99      | 2,163,970.60 |
| 568                                | 569 | N45°29'35.04"O | 61.63  | 569 | 726,034.04      | 2,164,013.80 |
| 569                                | 570 | N63°54'25.47"O | 113.43 | 570 | 725,932.17      | 2,164,063.69 |
| 570                                | 571 | N39°24'42.71"O | 122.79 | 571 | 725,854.21      | 2,164,158.56 |
| 571                                | 572 | N57°37'02.28"O | 93.36  | 572 | 725,775.37      | 2,164,208.56 |
| 572                                | 573 | N72°57'34.16"O | 119.16 | 573 | 725,661.44      | 2,164,243.48 |
| 573                                | 574 | N57°05'57.10"O | 153.02 | 574 | 725,532.96      | 2,164,326.60 |
| 574                                | 575 | N72°20'34.20"O | 28.19  | 575 | 725,506.10      | 2,164,335.15 |
| 575                                | 576 | N51°25'38.69"O | 29.75  | 576 | 725,482.84      | 2,164,353.70 |
| 576                                | 577 | S82°34'06.93"O | 0.23   | 577 | 725,482.61      | 2,164,353.67 |
| 577                                | 578 | N66°30'05.16"O | 0.25   | 578 | 725,482.38      | 2,164,353.77 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IB |     |                |        |     |                 |              |
|------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                               |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| EST                                | PV  |                |        |     | X               | Y            |
| 578                                | 579 | N36°52'11.63"O | 0.25   | 579 | 725,482.23      | 2,164,353.97 |
| 579                                | 580 | N09°05'25.00"O | 0.25   | 580 | 725,482.19      | 2,164,354.22 |
| 580                                | 581 | N01°59'47.84"E | 222.15 | 581 | 725,489.93      | 2,164,576.24 |
| 581                                | 582 | N55°04'11.08"O | 589.72 | 582 | 725,006.45      | 2,164,913.90 |
| 582                                | 583 | S19°46'29.29"O | 294.69 | 583 | 724,906.75      | 2,164,636.59 |
| 583                                | 584 | N84°43'55.50"O | 36.71  | 584 | 724,870.20      | 2,164,639.96 |
| 584                                | 585 | S80°18'16.58"O | 39.61  | 585 | 724,831.16      | 2,164,633.29 |
| 585                                | 586 | S68°51'16.36"O | 31.63  | 586 | 724,801.66      | 2,164,621.88 |
| 586                                | 587 | S55°07'30.82"O | 76.86  | 587 | 724,738.60      | 2,164,577.93 |
| 587                                | 588 | S70°34'47.99"O | 76.15  | 588 | 724,666.78      | 2,164,552.61 |
| 588                                | 589 | N89°28'00.20"O | 51.57  | 589 | 724,615.21      | 2,164,553.09 |
| 589                                | 590 | N07°43'34.86"E | 63.82  | 590 | 724,623.79      | 2,164,616.33 |
| 590                                | 591 | N08°10'03.52"E | 198.56 | 591 | 724,652.00      | 2,164,812.88 |
| 591                                | 592 | N56°58'53.37"O | 143.40 | 592 | 724,531.76      | 2,164,891.02 |
| 592                                | 593 | N24°24'18.06"E | 46.27  | 593 | 724,550.88      | 2,164,933.16 |
| 593                                | 594 | N01°50'09.48"O | 57.12  | 594 | 724,549.05      | 2,164,990.25 |
| 594                                | 595 | N11°46'05.84"E | 0.25   | 595 | 724,549.10      | 2,164,990.49 |
| 595                                | 596 | N35°23'57.13"E | 27.90  | 596 | 724,565.26      | 2,165,013.23 |
| 596                                | 597 | S68°38'52.98"E | 370.23 | 597 | 724,910.08      | 2,164,878.43 |
| 597                                | 598 | N21°20'58.47"E | 131.16 | 598 | 724,957.83      | 2,165,000.59 |
| 598                                | 599 | N08°44'43.73"E | 127.99 | 599 | 724,977.29      | 2,165,127.09 |
| 599                                | 600 | N89°59'58.14"O | 110.98 | 600 | 724,866.31      | 2,165,127.09 |
| 600                                | 601 | S78°06'38.65"O | 92.42  | 601 | 724,775.87      | 2,165,108.05 |
| 601                                | 602 | S88°00'33.63"O | 86.65  | 602 | 724,689.27      | 2,165,105.04 |
| 602                                | 603 | S79°18'26.25"O | 317.50 | 603 | 724,377.28      | 2,165,046.13 |
| 603                                | 604 | N85°53'54.97"O | 67.25  | 604 | 724,310.20      | 2,165,050.94 |
| 604                                | 605 | N05°46'29.74"O | 42.54  | 605 | 724,305.92      | 2,165,093.26 |
| 605                                | 606 | N37°37'36.57"O | 79.78  | 606 | 724,257.21      | 2,165,156.45 |
| 606                                | 607 | S88°46'14.11"O | 122.58 | 607 | 724,134.66      | 2,165,153.82 |
| 607                                | 608 | S63°46'13.61"O | 37.42  | 608 | 724,101.09      | 2,165,137.28 |
| 608                                | 609 | N71°12'53.93"O | 55.90  | 609 | 724,048.17      | 2,165,155.28 |
| 609                                | 610 | S08°44'54.63"E | 55.69  | 610 | 724,056.64      | 2,165,100.24 |
| 610                                | 611 | S02°52'49.99"O | 40.99  | 611 | 724,054.58      | 2,165,059.30 |
| 611                                | 612 | S71°51'49.67"E | 124.94 | 612 | 724,173.31      | 2,165,020.41 |
| 612                                | 613 | S00°31'23.64"O | 76.65  | 613 | 724,172.61      | 2,164,943.76 |
| 613                                | 614 | N89°59'56.58"O | 60.31  | 614 | 724,112.30      | 2,164,943.76 |
| 614                                | 615 | N82°16'16.91"O | 0.14   | 615 | 724,112.16      | 2,164,943.78 |
| 615                                | 616 | N72°04'29.71"O | 101.63 | 616 | 724,015.46      | 2,164,975.06 |
| 616                                | 617 | N75°25'57.43"O | 16.22  | 617 | 723,999.76      | 2,164,979.14 |
| 617                                | 618 | S40°09'29.70"O | 54.71  | 618 | 723,964.48      | 2,164,937.33 |
| 618                                | 619 | S72°13'22.57"O | 196.09 | 619 | 723,777.75      | 2,164,877.46 |
| 619                                | 620 | S15°42'45.67"O | 72.37  | 620 | 723,758.15      | 2,164,807.79 |
| 620                                | 621 | S40°06'03.27"O | 0.25   | 621 | 723,757.99      | 2,164,807.60 |
| 621                                | 622 | S74°36'13.98"O | 56.31  | 622 | 723,703.70      | 2,164,792.65 |
| 622                                | 623 | S84°44'24.06"O | 46.69  | 623 | 723,657.21      | 2,164,788.37 |
| 623                                | 624 | N74°03'57.16"O | 20.94  | 624 | 723,637.07      | 2,164,794.12 |
| 624                                | 625 | S59°27'08.54"O | 145.46 | 625 | 723,511.80      | 2,164,720.19 |
| 625                                | 626 | S52°33'00.19"O | 30.62  | 626 | 723,487.49      | 2,164,701.57 |
| 626                                | 627 | S46°58'34.67"O | 20.50  | 627 | 723,472.50      | 2,164,687.58 |
| 627                                | 628 | S35°12'39.50"O | 20.79  | 628 | 723,460.51      | 2,164,670.59 |
| 628                                | 629 | S29°22'01.60"O | 36.68  | 629 | 723,442.52      | 2,164,638.62 |
| 629                                | 630 | S28°04'24.52"O | 33.98  | 630 | 723,426.53      | 2,164,608.64 |
| 630                                | 631 | S22°05'54.26"O | 46.57  | 631 | 723,409.01      | 2,164,565.49 |
| 631                                | 632 | S18°52'57.10"O | 40.08  | 632 | 723,396.04      | 2,164,527.57 |
| 632                                | 633 | S11°09'32.10"O | 33.48  | 633 | 723,389.56      | 2,164,494.72 |
| 633                                | 634 | S06°39'56.47"O | 30.32  | 634 | 723,386.04      | 2,164,464.60 |
| 634                                | 635 | S26°33'08.62"O | 20.25  | 635 | 723,376.99      | 2,164,446.49 |
| 635                                | 636 | S37°52'35.22"O | 34.27  | 636 | 723,355.95      | 2,164,419.44 |
| 636                                | 637 | S43°57'28.78"O | 38.88  | 637 | 723,328.96      | 2,164,391.45 |
| 637                                | 638 | S51°34'45.97"O | 37.03  | 638 | 723,299.95      | 2,164,368.44 |
| 638                                | 639 | S47°42'38.48"O | 14.80  | 639 | 723,289.00      | 2,164,358.48 |
| 639                                | 640 | S39°16'34.26"O | 9.15   | 640 | 723,283.21      | 2,164,351.40 |
| 640                                | 641 | S54°27'44.36"O | 0.26   | 641 | 723,283.00      | 2,164,351.25 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IB |     |                |        |     |                 |              |
|------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                               |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| EST                                | PV  |                |        |     | X               | Y            |
| 641                                | 642 | S83°25'05.00"O | 0.26   | 642 | 723,282.74      | 2,164,351.22 |
| 642                                | 643 | N69°26'38.24"O | 0.17   | 643 | 723,282.58      | 2,164,351.28 |
| 643                                | 644 | N49°45'49.11"O | 0.17   | 644 | 723,282.45      | 2,164,351.39 |
| 644                                | 645 | N41°47'12.64"O | 128.80 | 645 | 723,196.62      | 2,164,447.43 |
| 645                                | 646 | N45°00'13.04"O | 111.86 | 646 | 723,117.52      | 2,164,526.52 |
| 646                                | 647 | N47°29'07.04"O | 107.30 | 647 | 723,038.43      | 2,164,599.03 |
| 647                                | 648 | N50°54'24.32"O | 135.84 | 648 | 722,933.00      | 2,164,684.69 |
| 648                                | 649 | N60°34'23.03"O | 98.35  | 649 | 722,847.34      | 2,164,733.01 |
| 649                                | 650 | N63°54'19.31"O | 119.83 | 650 | 722,739.72      | 2,164,785.72 |
| 650                                | 651 | N74°45'51.05"O | 322.88 | 651 | 722,428.19      | 2,164,870.57 |
| 651                                | 652 | N02°53'29.85"E | 48.96  | 652 | 722,430.66      | 2,164,919.47 |
| 652                                | 653 | N37°48'22.08"O | 98.53  | 653 | 722,370.26      | 2,164,997.32 |
| 653                                | 654 | S52°11'50.94"O | 99.16  | 654 | 722,291.91      | 2,164,936.54 |
| 654                                | 655 | S76°48'45.74"O | 89.38  | 655 | 722,204.89      | 2,164,916.15 |
| 655                                | 656 | S25°22'29.89"O | 45.43  | 656 | 722,185.42      | 2,164,875.10 |
| 656                                | 657 | S07°24'15.95"O | 45.78  | 657 | 722,179.52      | 2,164,829.70 |
| 657                                | 658 | N81°31'46.45"O | 50.71  | 658 | 722,129.36      | 2,164,837.17 |
| 658                                | 659 | S83°40'14.92"O | 28.76  | 659 | 722,100.78      | 2,164,834.00 |
| 659                                | 660 | N81°28'20.55"O | 36.08  | 660 | 722,065.10      | 2,164,839.35 |
| 660                                | 661 | N52°25'53.07"O | 0.16   | 661 | 722,064.97      | 2,164,839.45 |
| 661                                | 662 | N32°44'06.81"O | 0.17   | 662 | 722,064.88      | 2,164,839.59 |
| 662                                | 663 | N13°14'25.87"O | 0.17   | 663 | 722,064.84      | 2,164,839.76 |
| 663                                | 664 | N11°46'05.84"E | 0.25   | 664 | 722,064.89      | 2,164,840.00 |
| 664                                | 665 | N44°55'49.13"E | 29.07  | 665 | 722,085.42      | 2,164,860.58 |
| 665                                | 666 | N14°02'10.48"O | 28.41  | 666 | 722,078.53      | 2,164,888.14 |
| 666                                | 667 | N56°53'10.11"E | 107.83 | 667 | 722,168.85      | 2,164,947.05 |
| 667                                | 668 | N82°11'14.52"O | 288.67 | 668 | 721,882.86      | 2,164,986.29 |
| 668                                | 669 | S20°01'36.47"O | 170.30 | 669 | 721,824.54      | 2,164,826.29 |
| 669                                | 670 | N73°04'26.71"O | 104.35 | 670 | 721,724.71      | 2,164,856.67 |
| 670                                | 671 | N87°42'59.91"O | 173.69 | 671 | 721,551.16      | 2,164,863.59 |
| 671                                | 672 | N76°00'28.38"O | 22.04  | 672 | 721,529.77      | 2,164,868.92 |
| 672                                | 673 | N15°32'09.22"O | 148.37 | 673 | 721,490.03      | 2,165,011.87 |
| 673                                | 674 | N15°25'07.03"O | 43.03  | 674 | 721,478.59      | 2,165,053.35 |
| 674                                | 675 | N47°07'17.72"E | 122.05 | 675 | 721,568.03      | 2,165,136.40 |
| 675                                | 676 | N22°09'43.52"E | 92.33  | 676 | 721,602.86      | 2,165,221.91 |
| 676                                | 677 | N07°40'03.35"O | 55.01  | 677 | 721,595.52      | 2,165,276.43 |
| 677                                | 678 | N82°45'40.28"O | 66.82  | 678 | 721,529.23      | 2,165,284.85 |
| 678                                | 679 | N69°08'43.95"O | 0.22   | 679 | 721,529.02      | 2,165,284.93 |
| 679                                | 680 | N57°35'58.62"O | 51.51  | 680 | 721,485.53      | 2,165,312.53 |
| 680                                | 681 | N30°04'06.90"O | 0.22   | 681 | 721,485.42      | 2,165,312.72 |
| 681                                | 682 | N17°06'16.89"O | 42.91  | 682 | 721,472.80      | 2,165,353.73 |
| 682                                | 683 | N73°53'09.90"O | 49.04  | 683 | 721,425.69      | 2,165,367.34 |
| 683                                | 684 | S62°26'51.97"O | 190.01 | 684 | 721,257.23      | 2,165,279.45 |
| 684                                | 685 | N20°16'00.72"O | 28.29  | 685 | 721,247.43      | 2,165,305.99 |
| 685                                | 686 | S74°57'19.44"O | 109.57 | 686 | 721,141.62      | 2,165,277.55 |
| 686                                | 687 | N11°42'11.91"O | 88.84  | 687 | 721,123.60      | 2,165,364.54 |
| 687                                | 688 | S81°07'13.42"O | 134.49 | 688 | 720,990.72      | 2,165,343.78 |
| 688                                | 689 | N85°01'48.93"O | 0.23   | 689 | 720,990.49      | 2,165,343.80 |
| 689                                | 690 | N65°13'29.49"O | 0.14   | 690 | 720,990.36      | 2,165,343.86 |
| 690                                | 691 | N38°07'14.89"O | 76.86  | 691 | 720,942.91      | 2,165,404.33 |
| 691                                | 692 | N76°26'11.52"O | 278.35 | 692 | 720,672.32      | 2,165,469.61 |
| 692                                | 693 | N64°46'29.76"O | 63.68  | 693 | 720,614.71      | 2,165,496.75 |
| 693                                | 694 | N23°11'54.93"E | 0.15   | 694 | 720,614.77      | 2,165,496.89 |
| 694                                | 695 | N46°44'08.54"E | 0.23   | 695 | 720,614.94      | 2,165,497.05 |
| 695                                | 696 | N60°57'12.12"E | 69.82  | 696 | 720,675.98      | 2,165,530.95 |
| 696                                | 697 | N85°01'48.93"E | 0.23   | 697 | 720,676.21      | 2,165,530.97 |
| 697                                | 698 | S66°47'20.13"E | 36.16  | 698 | 720,709.44      | 2,165,516.72 |
| 698                                | 699 | N86°43'05.17"E | 21.49  | 699 | 720,730.89      | 2,165,517.95 |
| 699                                | 700 | N88°26'09.17"E | 82.43  | 700 | 720,813.29      | 2,165,520.20 |
| 700                                | 701 | N82°36'27.07"E | 119.30 | 701 | 720,931.60      | 2,165,535.55 |
| 701                                | 702 | N21°18'31.67"O | 88.55  | 702 | 720,899.42      | 2,165,618.05 |
| 702                                | 703 | N09°39'26.42"O | 108.19 | 703 | 720,881.27      | 2,165,724.71 |
| 703                                | 704 | N67°58'00.12"E | 51.85  | 704 | 720,929.33      | 2,165,744.16 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IB |     |    |                |        |     |                         |
|------------------------------------|-----|----|----------------|--------|-----|-------------------------|
| LADO                               | EST | PV | RUMBO          | DIST.  | V   | COORDENADAS UTM         |
|                                    |     |    |                |        |     | X Y                     |
| 704                                | 705 |    | N11°18'30.22"O | 146.16 | 705 | 720,900.67 2,165,887.48 |
| 705                                | 706 |    | S83°57'00.02"O | 76.09  | 706 | 720,825.00 2,165,879.46 |
| 706                                | 707 |    | N79°12'14.34"O | 173.83 | 707 | 720,654.25 2,165,912.02 |
| 707                                | 708 |    | S19°05'45.72"O | 90.17  | 708 | 720,624.75 2,165,826.81 |
| 708                                | 709 |    | S02°07'04.76"O | 61.42  | 709 | 720,622.48 2,165,765.43 |
| 709                                | 710 |    | S56°42'42.56"E | 96.88  | 710 | 720,703.46 2,165,712.26 |
| 710                                | 711 |    | S19°41'31.28"O | 1.01   | 711 | 720,703.12 2,165,711.31 |
| 711                                | 712 |    | S48°32'48.16"O | 69.95  | 712 | 720,650.69 2,165,665.00 |
| 712                                | 713 |    | S69°26'38.24"O | 0.17   | 713 | 720,650.53 2,165,664.94 |
| 713                                | 714 |    | N89°46'14.95"O | 0.25   | 714 | 720,650.28 2,165,664.94 |
| 714                                | 715 |    | N73°16'53.96"O | 17.24  | 715 | 720,633.77 2,165,669.90 |
| 715                                | 716 |    | S54°22'51.74"O | 29.50  | 716 | 720,609.79 2,165,652.72 |
| 716                                | 717 |    | S82°24'19.28"O | 0.15   | 717 | 720,609.64 2,165,652.70 |
| 717                                | 718 |    | N73°36'43.47"O | 160.24 | 718 | 720,455.91 2,165,697.91 |
| 718                                | 719 |    | N49°59'47.90"O | 73.07  | 719 | 720,399.94 2,165,744.88 |
| 719                                | 720 |    | N57°15'42.38"O | 34.39  | 720 | 720,371.01 2,165,763.48 |
| 720                                | 721 |    | N62°58'30.67"O | 37.90  | 721 | 720,337.25 2,165,780.70 |
| 721                                | 722 |    | N68°33'11.46"O | 20.70  | 722 | 720,317.98 2,165,788.27 |
| 722                                | 723 |    | N74°55'45.18"O | 18.54  | 723 | 720,300.08 2,165,793.09 |
| 723                                | 724 |    | N80°46'27.94"O | 137.66 | 724 | 720,164.20 2,165,815.16 |
| 724                                | 725 |    | N51°13'56.79"O | 56.47  | 725 | 720,120.17 2,165,850.52 |
| 725                                | 726 |    | S60°49'44.72"O | 56.46  | 726 | 720,070.87 2,165,823.00 |
| 726                                | 727 |    | N87°03'36.47"O | 52.45  | 727 | 720,018.49 2,165,825.69 |
| 727                                | 728 |    | N42°28'08.00"E | 32.18  | 728 | 720,040.22 2,165,849.43 |
| 728                                | 729 |    | N37°27'06.40"E | 24.22  | 729 | 720,054.95 2,165,868.66 |
| 729                                | 730 |    | N35°18'55.30"O | 103.36 | 730 | 719,995.20 2,165,953.00 |
| 730                                | 731 |    | N25°55'21.09"O | 54.24  | 731 | 719,971.49 2,166,001.78 |
| 731                                | 732 |    | N69°46'30.51"O | 26.53  | 732 | 719,946.60 2,166,010.95 |
| 732                                | 733 |    | N89°59'55.50"O | 45.85  | 733 | 719,900.75 2,166,010.95 |
| 733                                | 734 |    | S13°41'26.56"O | 55.14  | 734 | 719,887.70 2,165,957.38 |
| 734                                | 735 |    | S45°32'10.16"E | 54.41  | 735 | 719,926.53 2,165,919.27 |
| 735                                | 736 |    | S28°38'42.52"O | 26.37  | 736 | 719,913.89 2,165,896.13 |
| 736                                | 737 |    | N64°17'19.58"O | 15.01  | 737 | 719,900.37 2,165,902.64 |
| 737                                | 738 |    | S27°01'02.72"O | 29.45  | 738 | 719,886.99 2,165,876.40 |
| 738                                | 739 |    | S62°36'22.75"E | 17.63  | 739 | 719,902.64 2,165,868.29 |
| 739                                | 740 |    | S33°18'48.88"O | 18.57  | 740 | 719,892.44 2,165,852.77 |
| 740                                | 741 |    | S12°46'57.56"O | 5.88   | 741 | 719,891.14 2,165,847.04 |
| 741                                | 742 |    | S16°58'19.13"O | 55.74  | 742 | 719,874.87 2,165,793.73 |
| 742                                | 743 |    | N72°45'12.20"O | 179.47 | 743 | 719,703.47 2,165,846.94 |
| 743                                | 744 |    | N13°31'52.84"E | 52.57  | 744 | 719,715.77 2,165,898.05 |
| 744                                | 745 |    | N11°24'02.73"E | 138.56 | 745 | 719,743.16 2,166,033.88 |
| 745                                | 746 |    | N23°11'54.93"E | 0.23   | 746 | 719,743.25 2,166,034.09 |
| 746                                | 747 |    | N52°07'30.06"E | 0.23   | 747 | 719,743.43 2,166,034.23 |
| 747                                | 748 |    | N81°56'22.95"E | 118.39 | 748 | 719,860.65 2,166,050.83 |
| 748                                | 749 |    | S80°12'30.79"E | 86.14  | 749 | 719,945.54 2,166,036.18 |
| 749                                | 750 |    | S86°58'11.21"E | 131.28 | 750 | 720,076.64 2,166,029.24 |
| 750                                | 751 |    | S62°21'14.49"E | 0.24   | 751 | 720,076.85 2,166,029.13 |
| 751                                | 752 |    | S36°23'03.67"E | 0.24   | 752 | 720,076.99 2,166,028.94 |
| 752                                | 753 |    | S22°35'24.99"E | 68.52  | 753 | 720,103.31 2,165,965.68 |
| 753                                | 754 |    | S64°23'31.82"E | 206.13 | 754 | 720,289.19 2,165,876.59 |
| 754                                | 755 |    | N66°31'32.59"E | 35.75  | 755 | 720,321.98 2,165,890.83 |
| 755                                | 756 |    | S81°16'28.56"E | 60.84  | 756 | 720,382.12 2,165,881.60 |
| 756                                | 757 |    | S67°45'03.51"E | 0.24   | 757 | 720,382.34 2,165,881.51 |
| 757                                | 758 |    | S52°55'30.24"E | 70.98  | 758 | 720,438.97 2,165,838.72 |
| 758                                | 759 |    | S26°33'54.18"E | 0.16   | 759 | 720,439.04 2,165,838.58 |
| 759                                | 760 |    | S00°01'04.40"E | 64.06  | 760 | 720,439.06 2,165,774.52 |
| 760                                | 761 |    | S79°24'56.47"E | 57.76  | 761 | 720,495.84 2,165,763.91 |
| 761                                | 762 |    | N70°42'34.26"E | 62.05  | 762 | 720,554.41 2,165,784.41 |
| 762                                | 763 |    | N24°58'51.13"O | 111.46 | 763 | 720,507.34 2,165,885.44 |
| 763                                | 764 |    | N43°15'51.46"O | 53.69  | 764 | 720,470.54 2,165,924.54 |
| 764                                | 765 |    | N61°10'39.98"O | 79.03  | 765 | 720,401.30 2,165,962.64 |
| 765                                | 766 |    | N29°46'35.61"O | 65.06  | 766 | 720,368.99 2,166,019.11 |
| 766                                | 767 |    | N14°37'15.15"O | 0.24   | 767 | 720,368.93 2,166,019.34 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IB |     |    |                |        |     |                         |
|------------------------------------|-----|----|----------------|--------|-----|-------------------------|
| LADO                               | EST | PV | RUMBO          | DIST.  | V   | COORDENADAS UTM         |
|                                    |     |    |                |        |     | X Y                     |
| 767                                | 768 |    | N07°07'30.06"E | 0.16   | 768 | 720,368.95 2,166,019.50 |
| 768                                | 769 |    | N26°33'54.18"E | 0.16   | 769 | 720,369.02 2,166,019.64 |
| 769                                | 770 |    | N48°21'59.26"E | 0.24   | 770 | 720,369.20 2,166,019.80 |
| 770                                | 771 |    | N78°13'54.16"E | 0.25   | 771 | 720,369.44 2,166,019.85 |
| 771                                | 772 |    | S89°03'41.70"E | 84.87  | 772 | 720,454.30 2,166,018.46 |
| 772                                | 773 |    | N81°23'17.05"E | 240.15 | 773 | 720,691.74 2,166,054.42 |
| 773                                | 774 |    | N89°35'26.70"E | 0.14   | 774 | 720,691.88 2,166,054.42 |
| 774                                | 775 |    | S65°34'39.05"E | 145.55 | 775 | 720,824.41 2,165,994.24 |
| 775                                | 776 |    | S75°09'12.77"E | 79.93  | 776 | 720,901.67 2,165,973.76 |
| 776                                | 777 |    | S81°03'58.53"E | 110.31 | 777 | 721,010.64 2,165,956.63 |
| 777                                | 778 |    | S72°33'54.97"E | 125.36 | 778 | 721,130.24 2,165,919.07 |
| 778                                | 779 |    | S66°48'14.57"E | 85.53  | 779 | 721,208.86 2,165,885.38 |
| 779                                | 780 |    | S57°15'53.19"E | 0.17   | 780 | 721,209.00 2,165,885.29 |
| 780                                | 781 |    | S33°41'24.24"E | 0.25   | 781 | 721,209.14 2,165,885.08 |
| 781                                | 782 |    | S10°37'10.76"E | 0.16   | 782 | 721,209.17 2,165,884.92 |
| 782                                | 783 |    | S16°15'36.74"O | 0.25   | 783 | 721,209.10 2,165,884.68 |
| 783                                | 784 |    | S43°21'48.32"O | 0.25   | 784 | 721,208.93 2,165,884.50 |
| 784                                | 785 |    | S57°35'34.69"O | 34.93  | 785 | 721,179.44 2,165,865.78 |
| 785                                | 786 |    | S21°30'05.16"O | 55.69  | 786 | 721,159.03 2,165,813.97 |
| 786                                | 787 |    | S21°17'30.05"E | 261.54 | 787 | 721,254.00 2,165,570.28 |
| 787                                | 788 |    | N64°08'58.96"E | 141.97 | 788 | 721,381.76 2,165,632.18 |
| 788                                | 789 |    | N43°54'59.76"E | 49.36  | 789 | 721,416.00 2,165,667.74 |
| 789                                | 790 |    | N14°12'26.71"E | 43.03  | 790 | 721,426.56 2,165,709.45 |
| 790                                | 791 |    | N42°31'23.35"E | 38.78  | 791 | 721,452.77 2,165,738.03 |
| 791                                | 792 |    | S61°49'58.75"E | 227.48 | 792 | 721,653.31 2,165,630.65 |
| 792                                | 793 |    | S47°16'49.09"E | 69.13  | 793 | 721,704.10 2,165,583.75 |
| 793                                | 794 |    | S70°41'19.38"E | 96.76  | 794 | 721,795.42 2,165,551.75 |
| 794                                | 795 |    | S77°48'27.29"E | 159.80 | 795 | 721,951.62 2,165,518.00 |
| 795                                | 796 |    | N69°27'47.35"E | 150.20 | 796 | 722,092.27 2,165,570.69 |
| 796                                | 797 |    | N60°35'05.58"E | 143.10 | 797 | 722,216.92 2,165,640.97 |
| 797                                | 798 |    | S85°24'17.44"E | 45.19  | 798 | 722,261.96 2,165,637.35 |
| 798                                | 799 |    | S81°53'38.58"E | 43.62  | 799 | 722,305.14 2,165,631.20 |
| 799                                | 800 |    | S75°03'39.30"E | 515.18 | 800 | 722,802.91 2,165,498.39 |
| 800                                | 801 |    | S77°10'14.34"E | 244.00 | 801 | 723,040.82 2,165,444.21 |
| 801                                | 802 |    | S59°03'24.36"E | 52.67  | 802 | 723,085.99 2,165,417.13 |
| 802                                | 803 |    | S63°46'38.71"E | 87.54  | 803 | 723,164.52 2,165,378.45 |
| 803                                | 804 |    | S50°31'39.14"E | 0.22   | 804 | 723,164.69 2,165,378.31 |
| 804                                | 805 |    | S30°07'51.03"E | 418.35 | 805 | 723,374.69 2,165,016.49 |
| 805                                | 806 |    | N62°57'16.38"E | 189.88 | 806 | 723,543.81 2,165,102.83 |
| 806                                | 807 |    | N76°56'33.04"E | 50.55  | 807 | 723,593.05 2,165,114.25 |
| 807                                | 808 |    | N86°40'12.77"E | 61.46  | 808 | 723,654.41 2,165,117.82 |
| 808                                | 809 |    | N70°33'53.66"E | 25.73  | 809 | 723,678.67 2,165,126.38 |
| 809                                | 810 |    | N56°26'25.40"E | 86.49  | 810 | 723,750.74 2,165,174.19 |
| 810                                | 811 |    | N77°17'29.17"E | 60.50  | 811 | 723,809.76 2,165,187.50 |
| 811                                | 812 |    | N52°53'51.69"E | 36.49  | 812 | 723,838.86 2,165,209.51 |
| 812                                | 813 |    | N35°19'10.75"E | 20.77  | 813 | 723,850.87 2,165,226.46 |
| 813                                | 814 |    | N05°43'17.18"E | 78.84  | 814 | 723,858.73 2,165,304.91 |
| 814                                | 815 |    | N26°33'54.18"E | 0.20   | 815 | 723,858.82 2,165,305.09 |
| 815                                | 816 |    | N38°51'48.72"E | 32.94  | 816 | 723,879.49 2,165,330.74 |
| 816                                | 817 |    | N30°02'48.84"E | 31.30  | 817 | 723,895.16 2,165,357.83 |
| 817                                | 818 |    | N40°14'10.89"E | 0.17   | 818 | 723,895.27 2,165,357.96 |
| 818                                | 819 |    | N61°55'39.05"E | 0.17   | 819 | 723,895.42 2,165,358.04 |
| 819                                | 820 |    | N75°57'49.52"E | 0.16   | 820 | 723,895.58 2,165,358.08 |
| 820                                | 821 |    | S79°59'31.27"E | 0.17   | 821 | 723,895.75 2,165,358.05 |
| 821                                | 822 |    | S50°51'33.69"E | 15.45  | 822 | 723,907.73 2,165,348.30 |
| 822                                | 823 |    | S24°53'22.56"E | 22.03  | 823 | 723,917.00 2,165,328.32 |
| 823                                | 824 |    | S82°25'03.46"E | 21.60  | 824 | 723,938.41 2,165,325.47 |
| 824                                | 825 |    | N82°12'40.77"E | 26.34  | 825 | 723,964.51 2,165,329.04 |
| 825                                | 826 |    | N52°13'15.52"E | 78.03  | 826 | 724,026.18 2,165,376.84 |
| 826                                | 827 |    | N31°59'25.25"E | 20.20  | 827 | 724,036.88 2,165,393.97 |
| 827                                | 828 |    | N20°12'31.82"E | 97.15  | 828 | 724,070.44 2,165,485.14 |
| 828                                | 829 |    | N19°31'20.31"E | 8.50   | 829 | 724,073.28 2,165,493.15 |
| 829                                | 830 |    | N40°52'39.73"E | 14.16  | 830 | 724,082.55 2,165,503.86 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IB |     |                |        |     |                 |              |
|------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                               |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| EST                                | PV  |                |        |     | X               | Y            |
| 830                                | 831 | N87°36'45.59"E | 85.70  | 831 | 724,168.18      | 2,165,507.43 |
| 831                                | 832 | N45°00'00.00"E | 15.13  | 832 | 724,178.88      | 2,165,518.13 |
| 832                                | 833 | N00°36'13.31"E | 19.93  | 833 | 724,179.09      | 2,165,538.06 |
| 833                                | 834 | N13°43'22.49"E | 62.98  | 834 | 724,164.15      | 2,165,599.24 |
| 834                                | 835 | N42°18'05.76"E | 85.61  | 835 | 724,106.53      | 2,165,662.56 |
| 835                                | 836 | N69°13'51.95"E | 22.05  | 836 | 724,085.91      | 2,165,670.38 |
| 836                                | 837 | N58°42'34.77"E | 42.72  | 837 | 724,049.40      | 2,165,692.57 |
| 837                                | 838 | N37°02'58.32"E | 44.02  | 838 | 724,022.88      | 2,165,727.70 |
| 838                                | 839 | N17°56'50.30"E | 25.64  | 839 | 724,014.98      | 2,165,752.09 |
| 839                                | 840 | N01°36'56.18"E | 50.72  | 840 | 724,013.55      | 2,165,802.79 |
| 840                                | 841 | N09°50'58.45"E | 21.16  | 841 | 724,009.93      | 2,165,823.64 |
| 841                                | 842 | N00°00'00.00"E | 0.16   | 842 | 724,009.93      | 2,165,823.80 |
| 842                                | 843 | N17°21'14.49"E | 0.17   | 843 | 724,009.98      | 2,165,823.96 |
| 843                                | 844 | N47°57'11.22"E | 3.57   | 844 | 724,012.63      | 2,165,826.35 |
| 844                                | 845 | N60°15'18.43"E | 0.24   | 845 | 724,012.84      | 2,165,826.47 |
| 845                                | 846 | S87°42'33.80"E | 0.25   | 846 | 724,013.09      | 2,165,826.46 |
| 846                                | 847 | S74°33'20.59"E | 24.97  | 847 | 724,037.16      | 2,165,819.81 |
| 847                                | 848 | S78°16'41.24"E | 111.29 | 848 | 724,146.13      | 2,165,797.20 |
| 848                                | 849 | N03°44'14.75"E | 86.52  | 849 | 724,151.77      | 2,165,883.54 |
| 849                                | 850 | S84°23'58.55"E | 63.12  | 850 | 724,088.95      | 2,165,877.38 |
| 850                                | 851 | N22°48'04.83"E | 41.29  | 851 | 724,104.95      | 2,165,915.44 |
| 851                                | 852 | S87°04'05.12"E | 198.83 | 852 | 724,303.52      | 2,165,905.27 |
| 852                                | 853 | N10°28'14.98"E | 66.69  | 853 | 724,315.64      | 2,165,970.85 |
| 853                                | 854 | N13°43'37.07"E | 31.90  | 854 | 724,308.07      | 2,166,001.84 |
| 854                                | 855 | N00°17'39.93"E | 68.11  | 855 | 724,307.72      | 2,166,069.95 |
| 855                                | 856 | N58°51'20.60"E | 404.43 | 856 | 724,653.86      | 2,166,279.12 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IB |     |                |        |     |                 |              |
|------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                               |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| EST                                | PV  |                |        |     | X               | Y            |
| 856                                | 857 | N20°36'38.05"E | 125.45 | 857 | 724,609.70      | 2,166,396.54 |
| 857                                | 858 | N06°50'33.98"E | 0.25   | 858 | 724,609.67      | 2,166,396.79 |
| 858                                | 859 | N18°20'07.66"E | 213.08 | 859 | 724,676.70      | 2,166,599.05 |
| 859                                | 860 | N45°00'00.00"E | 0.14   | 860 | 724,676.80      | 2,166,599.15 |
| 860                                | 861 | N51°10'37.89"E | 116.38 | 861 | 724,767.47      | 2,166,672.11 |
| 861                                | 862 | N60°15'18.43"E | 0.16   | 862 | 724,767.61      | 2,166,672.19 |
| 862                                | 863 | N88°43'42.52"E | 135.19 | 863 | 724,902.77      | 2,166,675.19 |
| 863                                | 864 | N09°43'29.95"E | 124.44 | 864 | 724,923.79      | 2,166,797.84 |
| 864                                | 865 | N39°28'20.86"E | 0.22   | 865 | 724,923.93      | 2,166,798.01 |
| 865                                | 866 | N51°10'48.30"E | 64.83  | 866 | 724,974.44      | 2,166,838.65 |
| 866                                | 867 | N71°33'54.18"E | 0.16   | 867 | 724,974.59      | 2,166,838.70 |
| 867                                | 868 | S87°36'50.60"E | 0.24   | 868 | 724,974.83      | 2,166,838.69 |
| 868                                | 869 | S59°02'10.48"E | 0.23   | 869 | 724,975.03      | 2,166,838.57 |
| 869                                | 870 | S27°24'21.71"E | 121.88 | 870 | 725,031.13      | 2,166,730.37 |
| 870                                | 871 | S45°01'47.94"E | 13.51  | 871 | 725,040.69      | 2,166,720.82 |
| 871                                | 872 | S60°58'25.21"E | 19.68  | 872 | 725,057.90      | 2,166,711.27 |
| 872                                | 873 | N88°06'05.78"E | 422.31 | 873 | 725,479.98      | 2,166,725.26 |
| 873                                | 874 | N83°15'02.19"E | 170.09 | 874 | 725,648.89      | 2,166,745.25 |
| 874                                | 875 | N46°01'12.93"E | 36.53  | 875 | 725,675.18      | 2,166,770.62 |
| 875                                | 876 | N64°58'59.18"E | 0.17   | 876 | 725,675.33      | 2,166,770.69 |
| 876                                | 877 | N82°52'29.94"E | 0.16   | 877 | 725,675.49      | 2,166,770.71 |
| 877                                | 878 | S71°56'22.30"E | 0.48   | 878 | 725,675.95      | 2,166,770.56 |
| 878                                | 879 | N55°35'21.33"E | 182.58 | 879 | 725,826.58      | 2,166,873.74 |
| 879                                | 880 | S73°45'05.62"E | 58.43  | 880 | 725,882.68      | 2,166,857.39 |
| 880                                | 881 | N80°17'55.71"E | 295.35 | 881 | 726,173.81      | 2,166,907.16 |
| 881                                | 327 | S70°58'29.21"E | 96.39  | 327 | 726,264.93      | 2,166,875.74 |

CUADRO DE CONSTRUCCIÓN ÁREA1 NO CONSIDERADA EN EL POLÍGONO IB

| LADO |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
|------|-----|----------------|--------|-----|-----------------|--------------|
| EST  | PV  |                |        |     | X               | Y            |
|      |     |                |        | 883 | 723,874.45      | 2,165,102.97 |
| 883  | 884 | S76°41'34.62"E | 126.73 | 884 | 723,997.78      | 2,165,073.80 |
| 884  | 885 | N01°55'08.56"E | 100.34 | 885 | 723,994.42      | 2,165,174.08 |
| 885  | 886 | N13°03'53.73"E | 31.76  | 886 | 724,001.60      | 2,165,205.02 |
| 886  | 887 | S86°37'40.58"E | 54.06  | 887 | 723,947.63      | 2,165,201.84 |
| 887  | 888 | S63°27'07.11"E | 45.15  | 888 | 723,907.24      | 2,165,181.66 |
| 888  | 883 | S22°37'17.10"E | 85.25  | 883 | 723,874.45      | 2,165,102.97 |

CUADRO DE CONSTRUCCIÓN ÁREA2 NO CONSIDERADA EN EL POLÍGONO IB

| LADO |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
|------|-----|----------------|--------|-----|-----------------|--------------|
| EST  | PV  |                |        |     | X               | Y            |
|      |     |                |        | 890 | 722,359.62      | 2,165,424.38 |
| 890  | 891 | N79°09'37.04"E | 100.61 | 891 | 722,260.81      | 2,165,443.30 |
| 891  | 892 | S27°33'27.69"E | 126.75 | 892 | 722,202.17      | 2,165,330.93 |
| 892  | 893 | S41°21'10.86"E | 36.13  | 893 | 722,226.04      | 2,165,303.81 |
| 893  | 894 | S79°22'49.24"E | 0.16   | 894 | 722,226.20      | 2,165,303.78 |
| 894  | 895 | S57°31'43.71"E | 0.26   | 895 | 722,226.42      | 2,165,303.64 |
| 895  | 896 | S30°57'49.52"E | 0.17   | 896 | 722,226.51      | 2,165,303.49 |
| 896  | 897 | S11°49'13.62"E | 87.82  | 897 | 722,244.50      | 2,165,217.53 |
| 897  | 898 | N70°30'35.81"E | 57.19  | 898 | 722,298.41      | 2,165,236.61 |
| 898  | 899 | N84°48'20.06"E | 0.22   | 899 | 722,298.63      | 2,165,236.63 |

CUADRO DE CONSTRUCCIÓN ÁREA2 NO CONSIDERADA EN EL POLÍGONO IB

| LADO |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
|------|-----|----------------|--------|-----|-----------------|--------------|
| EST  | PV  |                |        |     | X               | Y            |
| 899  | 900 | S71°33'54.18"E | 0.22   | 900 | 722,298.84      | 2,165,236.56 |
| 900  | 901 | S57°11'33.68"E | 57.79  | 901 | 722,347.41      | 2,165,205.25 |
| 901  | 902 | S15°53'45.66"E | 78.10  | 902 | 722,326.02      | 2,165,130.14 |
| 902  | 903 | S60°13'30.90"E | 180.83 | 903 | 722,482.98      | 2,165,040.34 |
| 903  | 904 | N35°55'24.88"E | 30.03  | 904 | 722,500.60      | 2,165,064.66 |
| 904  | 905 | N64°58'59.18"E | 0.17   | 905 | 722,500.75      | 2,165,064.73 |
| 905  | 906 | N86°38'00.74"E | 0.17   | 906 | 722,500.92      | 2,165,064.74 |
| 906  | 907 | S76°45'34.13"E | 0.17   | 907 | 722,501.09      | 2,165,064.70 |
| 907  | 908 | S55°13'46.54"E | 107.38 | 908 | 722,589.30      | 2,165,003.46 |
| 908  | 909 | N23°37'47.31"E | 76.24  | 909 | 722,619.86      | 2,165,073.31 |
| 909  | 910 | N33°19'33.49"E | 205.13 | 910 | 722,507.16      | 2,165,244.71 |
| 910  | 911 | N29°20'34.59"E | 25.28  | 911 | 722,519.55      | 2,165,266.75 |
| 911  | 912 | N14°01'17.62"E | 28.40  | 912 | 722,512.67      | 2,165,294.30 |
| 912  | 913 | N43°42'01.09"E | 85.73  | 913 | 722,453.44      | 2,165,356.28 |
| 913  | 914 | N32°55'09.83"E | 45.98  | 914 | 722,428.45      | 2,165,394.88 |
| 914  | 915 | N63°25'37.84"E | 32.97  | 915 | 722,398.96      | 2,165,409.63 |
| 915  | 890 | N69°26'49.73"E | 42.01  | 890 | 722,359.62      | 2,165,424.38 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IIA |    |                |        |    |                 |              |
|-------------------------------------|----|----------------|--------|----|-----------------|--------------|
| LADO                                | PV | RUMBO          | DIST.  | V  | COORDENADAS UTM |              |
| EST                                 |    |                |        |    | X               | Y            |
|                                     |    |                |        | 1  | 723,876.42      | 2,159,325.51 |
| 1                                   | 2  | S03°36'30.82"E | 56.56  | 2  | 723,872.86      | 2,159,269.06 |
| 2                                   | 3  | N86°48'55.74"E | 61.02  | 3  | 723,933.79      | 2,159,272.45 |
| 3                                   | 4  | S42°11'40.71"E | 235.49 | 4  | 724,091.96      | 2,159,097.98 |
| 4                                   | 5  | N86°41'12.06"E | 27.86  | 5  | 724,119.77      | 2,159,099.59 |
| 5                                   | 6  | S16°08'39.62"E | 30.07  | 6  | 724,111.41      | 2,159,070.71 |
| 6                                   | 7  | N68°57'59.08"E | 31.46  | 7  | 724,140.77      | 2,159,082.00 |
| 7                                   | 8  | S30°57'49.52"E | 0.17   | 8  | 724,140.86      | 2,159,081.85 |
| 8                                   | 9  | S04°34'26.12"E | 0.25   | 9  | 724,140.88      | 2,159,081.60 |
| 9                                   | 10 | S08°07'27.46"E | 69.77  | 10 | 724,131.02      | 2,159,012.53 |
| 10                                  | 11 | N60°57'14.64"E | 154.04 | 11 | 724,265.69      | 2,159,087.32 |
| 11                                  | 12 | S32°44'18.59"E | 42.09  | 12 | 724,288.45      | 2,159,051.92 |
| 12                                  | 13 | S16°55'39.05"E | 0.24   | 13 | 724,288.52      | 2,159,051.69 |
| 13                                  | 14 | S00°00'00.00"E | 0.15   | 14 | 724,288.52      | 2,159,051.54 |
| 14                                  | 15 | S12°29'22.62"E | 80.87  | 15 | 724,271.03      | 2,158,972.58 |
| 15                                  | 16 | S23°11'54.93"E | 0.15   | 16 | 724,270.97      | 2,158,972.44 |
| 16                                  | 17 | S39°48'20.06"E | 0.16   | 17 | 724,270.87      | 2,158,972.32 |
| 17                                  | 18 | S57°15'53.19"E | 0.17   | 18 | 724,270.73      | 2,158,972.23 |
| 18                                  | 19 | S80°08'03.09"E | 0.23   | 19 | 724,270.50      | 2,158,972.19 |
| 19                                  | 20 | N85°40'51.17"E | 55.77  | 20 | 724,214.89      | 2,158,976.39 |
| 20                                  | 21 | S06°06'28.70"E | 97.27  | 21 | 724,204.54      | 2,158,879.67 |
| 21                                  | 22 | S20°33'21.76"E | 0.26   | 22 | 724,204.45      | 2,158,879.43 |
| 22                                  | 23 | S44°59'60.00"E | 0.17   | 23 | 724,204.33      | 2,158,879.31 |
| 23                                  | 24 | S66°22'14.24"E | 0.17   | 24 | 724,204.17      | 2,158,879.24 |
| 24                                  | 25 | S83°17'24.59"E | 0.17   | 25 | 724,204.00      | 2,158,879.22 |
| 25                                  | 26 | N85°24'17.04"E | 171.25 | 26 | 724,033.30      | 2,158,892.94 |
| 26                                  | 27 | N82°30'27.16"E | 219.72 | 27 | 723,815.46      | 2,158,921.59 |
| 27                                  | 28 | N76°51'12.73"E | 10.46  | 28 | 723,805.27      | 2,158,923.97 |
| 28                                  | 29 | N59°02'10.48"E | 13.76  | 29 | 723,793.47      | 2,158,931.05 |
| 29                                  | 30 | N46°50'51.40"E | 0.22   | 30 | 723,793.31      | 2,158,931.20 |
| 30                                  | 31 | N34°30'57.40"E | 11.93  | 31 | 723,786.55      | 2,158,941.03 |
| 31                                  | 32 | N13°01'35.25"E | 13.49  | 32 | 723,783.51      | 2,158,954.17 |
| 32                                  | 33 | N03°48'50.67"E | 0.15   | 33 | 723,783.50      | 2,158,954.32 |
| 33                                  | 34 | N04°43'03.78"E | 389.56 | 34 | 723,815.54      | 2,159,342.56 |
| 34                                  | 35 | N01°44'14.68"E | 71.24  | 35 | 723,813.38      | 2,159,413.77 |
| 35                                  | 36 | N08°20'55.49"E | 31.13  | 36 | 723,808.86      | 2,159,444.57 |
| 36                                  | 37 | N16°43'36.21"E | 79.88  | 37 | 723,785.87      | 2,159,521.07 |
| 37                                  | 38 | N07°07'30.06"E | 0.16   | 38 | 723,785.85      | 2,159,521.23 |
| 38                                  | 39 | N07°07'30.06"E | 0.16   | 39 | 723,785.87      | 2,159,521.39 |
| 39                                  | 40 | N29°44'41.57"E | 0.16   | 40 | 723,785.95      | 2,159,521.53 |
| 40                                  | 41 | N47°29'22.39"E | 0.16   | 41 | 723,786.07      | 2,159,521.64 |
| 41                                  | 42 | N74°38'53.63"E | 26.52  | 42 | 723,811.64      | 2,159,528.66 |
| 42                                  | 43 | N17°45'34.08"E | 56.06  | 43 | 723,794.54      | 2,159,582.05 |
| 43                                  | 44 | N68°15'46.09"E | 36.45  | 44 | 723,760.68      | 2,159,595.55 |
| 44                                  | 45 | N40°14'10.89"E | 0.17   | 45 | 723,760.57      | 2,159,595.68 |
| 45                                  | 46 | N18°26'05.82"E | 0.16   | 46 | 723,760.52      | 2,159,595.83 |
| 46                                  | 47 | N03°21'59.26"E | 0.17   | 47 | 723,760.51      | 2,159,596.00 |
| 47                                  | 48 | N23°29'54.84"E | 0.25   | 48 | 723,760.61      | 2,159,596.23 |
| 48                                  | 49 | N51°42'35.41"E | 0.24   | 49 | 723,760.80      | 2,159,596.38 |
| 49                                  | 50 | N65°40'20.81"E | 115.69 | 50 | 723,866.22      | 2,159,644.04 |
| 50                                  | 51 | N32°54'03.55"E | 119.63 | 51 | 723,801.24      | 2,159,744.48 |
| 51                                  | 52 | N73°57'36.20"E | 0.83   | 52 | 723,802.04      | 2,159,744.71 |
| 52                                  | 53 | N83°07'45.58"E | 80.75  | 53 | 723,882.21      | 2,159,754.37 |
| 53                                  | 54 | N88°53'28.94"E | 39.80  | 54 | 723,922.00      | 2,159,755.14 |
| 54                                  | 55 | S66°30'05.16"E | 0.25   | 55 | 723,922.23      | 2,159,755.04 |
| 55                                  | 56 | S42°30'37.61"E | 0.16   | 56 | 723,922.34      | 2,159,754.92 |
| 56                                  | 57 | S25°01'00.82"E | 0.17   | 57 | 723,922.41      | 2,159,754.77 |
| 57                                  | 58 | N89°18'35.00"E | 15.77  | 58 | 723,938.18      | 2,159,754.96 |
| 58                                  | 59 | S07°15'46.69"E | 161.76 | 59 | 723,917.73      | 2,159,594.50 |
| 59                                  | 60 | S07°49'00.74"E | 176.17 | 60 | 723,893.77      | 2,159,419.97 |
| 60                                  | 1  | S10°24'28.19"E | 96.04  | 61 | 723,876.42      | 2,159,325.51 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IIB |     |                |        |     |                 |              |
|-------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                                | PV  | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| EST                                 |     |                |        |     | X               | Y            |
|                                     |     |                |        | 62  | 722,576.31      | 2,162,752.66 |
| 62                                  | 63  | S52°11'23.95"E | 280.00 | 63  | 722,797.52      | 2,162,581.01 |
| 63                                  | 64  | S56°08'24.31"E | 167.47 | 64  | 722,936.59      | 2,162,487.70 |
| 64                                  | 65  | S70°12'40.82"E | 120.34 | 65  | 723,049.82      | 2,162,446.96 |
| 65                                  | 66  | S75°30'16.26"E | 114.38 | 66  | 723,160.56      | 2,162,418.33 |
| 66                                  | 67  | S64°58'59.18"E | 0.17   | 67  | 723,160.71      | 2,162,418.26 |
| 67                                  | 68  | S47°29'22.39"E | 0.16   | 68  | 723,160.83      | 2,162,418.15 |
| 68                                  | 69  | S26°33'54.18"E | 0.18   | 69  | 723,160.91      | 2,162,417.99 |
| 69                                  | 70  | S07°07'30.06"E | 0.16   | 70  | 723,160.93      | 2,162,417.83 |
| 70                                  | 71  | S15°38'32.09"E | 0.26   | 71  | 723,160.86      | 2,162,417.58 |
| 71                                  | 72  | S84°04'50.51"E | 179.20 | 72  | 723,339.10      | 2,162,399.10 |
| 72                                  | 73  | N02°45'28.36"E | 44.89  | 73  | 723,336.94      | 2,162,443.94 |
| 73                                  | 74  | N89°49'52.70"E | 360.02 | 74  | 723,696.96      | 2,162,445.00 |
| 74                                  | 75  | S69°26'38.24"E | 0.17   | 75  | 723,697.12      | 2,162,444.94 |
| 75                                  | 76  | S46°32'53.37"E | 0.26   | 76  | 723,697.31      | 2,162,444.76 |
| 76                                  | 77  | S30°16'01.75"E | 26.94  | 77  | 723,710.89      | 2,162,421.49 |
| 77                                  | 78  | S71°04'46.70"E | 115.71 | 78  | 723,820.35      | 2,162,383.97 |
| 78                                  | 79  | N88°58'29.90"E | 61.49  | 79  | 723,881.83      | 2,162,385.07 |
| 79                                  | 80  | S65°22'07.25"E | 145.52 | 80  | 724,014.11      | 2,162,324.42 |
| 80                                  | 81  | S64°06'00.66"E | 154.08 | 81  | 724,152.71      | 2,162,257.12 |
| 81                                  | 82  | N84°10'53.50"E | 283.79 | 82  | 724,435.04      | 2,162,285.89 |
| 82                                  | 83  | S80°32'15.64"E | 0.24   | 83  | 724,435.28      | 2,162,285.85 |
| 83                                  | 84  | S47°01'12.70"E | 81.44  | 84  | 724,494.86      | 2,162,230.33 |
| 84                                  | 85  | S23°11'54.93"E | 0.23   | 85  | 724,494.95      | 2,162,230.12 |
| 85                                  | 86  | S11°41'11.24"E | 26.56  | 86  | 724,500.33      | 2,162,204.11 |
| 86                                  | 87  | S53°48'23.90"E | 73.85  | 87  | 724,559.93      | 2,162,160.50 |
| 87                                  | 88  | S23°28'17.75"E | 91.49  | 88  | 724,596.37      | 2,162,076.58 |
| 88                                  | 89  | N82°35'06.24"E | 179.92 | 89  | 724,774.79      | 2,162,099.80 |
| 89                                  | 90  | N67°56'38.83"E | 107.45 | 90  | 724,874.38      | 2,162,140.15 |
| 90                                  | 91  | S58°45'32.95"E | 113.12 | 91  | 724,971.10      | 2,162,081.48 |
| 91                                  | 92  | N86°57'53.16"E | 64.40  | 92  | 725,035.41      | 2,162,084.89 |
| 92                                  | 93  | S26°37'59.57"E | 161.64 | 93  | 725,107.87      | 2,161,940.40 |
| 93                                  | 94  | S56°35'31.83"E | 0.56   | 94  | 725,107.40      | 2,161,940.09 |
| 94                                  | 95  | S85°25'33.88"E | 0.25   | 95  | 725,107.15      | 2,161,940.07 |
| 95                                  | 96  | S32°04'29.90"E | 126.55 | 96  | 725,039.95      | 2,161,832.84 |
| 96                                  | 97  | S32°40'56.49"E | 176.47 | 97  | 725,135.24      | 2,161,684.31 |
| 97                                  | 98  | S15°29'13.91"E | 142.91 | 98  | 725,097.08      | 2,161,546.59 |
| 98                                  | 99  | S45°00'00.00"E | 0.16   | 99  | 725,096.97      | 2,161,546.48 |
| 99                                  | 100 | S68°26'32.32"E | 86.44  | 100 | 725,016.58      | 2,161,514.72 |
| 100                                 | 101 | S19°38'11.80"E | 268.71 | 101 | 724,926.28      | 2,161,261.64 |
| 101                                 | 102 | S73°44'23.26"E | 0.25   | 102 | 724,926.04      | 2,161,261.57 |
| 102                                 | 103 | S88°30'31.28"E | 263.59 | 103 | 724,662.54      | 2,161,254.71 |
| 103                                 | 104 | S23°23'54.93"E | 547.38 | 104 | 724,405.45      | 2,160,660.57 |
| 104                                 | 105 | S38°17'24.59"E | 0.24   | 105 | 724,405.30      | 2,160,660.38 |
| 105                                 | 106 | S66°30'05.16"E | 0.25   | 106 | 724,405.07      | 2,160,660.28 |
| 106                                 | 107 | N89°38'30.86"E | 0.16   | 107 | 724,404.91      | 2,160,660.28 |
| 107                                 | 108 | N72°58'22.05"E | 0.17   | 108 | 724,404.75      | 2,160,660.33 |
| 108                                 | 109 | N43°11'06.24"E | 227.06 | 109 | 724,249.36      | 2,160,825.89 |
| 109                                 | 110 | N60°08'43.61"E | 171.07 | 110 | 724,100.99      | 2,160,911.05 |
| 110                                 | 111 | N72°01'11.78"E | 237.39 | 111 | 723,875.19      | 2,160,984.33 |
| 111                                 | 112 | S42°45'12.26"E | 139.80 | 112 | 723,780.29      | 2,160,881.68 |
| 112                                 | 113 | S63°39'01.19"E | 315.27 | 113 | 724,062.80      | 2,160,741.75 |
| 113                                 | 114 | S48°21'59.26"E | 0.24   | 114 | 724,062.98      | 2,160,741.59 |
| 114                                 | 115 | S25°01'00.82"E | 0.17   | 115 | 724,063.05      | 2,160,741.44 |
| 115                                 | 116 | S07°07'30.06"E | 0.16   | 116 | 724,063.07      | 2,160,741.28 |
| 116                                 | 117 | S10°37'10.76"E | 0.16   | 117 | 724,063.04      | 2,160,741.12 |
| 117                                 | 118 | S32°44'06.81"E | 0.17   | 118 | 724,062.95      | 2,160,740.98 |
| 118                                 | 119 | S59°27'49.05"E | 239.11 | 119 | 723,857.00      | 2,160,619.49 |
| 119                                 | 120 | S43°59'32.50"E | 105.75 | 120 | 723,930.45      | 2,160,543.41 |
| 120                                 | 121 | N77°28'47.21"E | 195.36 | 121 | 724,121.16      | 2,160,585.76 |
| 121                                 | 122 | S13°23'34.65"E | 57.46  | 122 | 724,134.47      | 2,160,529.86 |

| CUADRO DE CONSTRUCCIÓN POLIGONO IIA |     |                |        |     |                 |              |   |   |  |
|-------------------------------------|-----|----------------|--------|-----|-----------------|--------------|---|---|--|
| LADO                                |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              | X | Y |  |
| EST                                 | PV  |                |        |     |                 |              |   |   |  |
| 122                                 | 123 | S37°56'19.60"E | 113.43 | 123 | 724,204.21      | 2,160,440.40 |   |   |  |
| 123                                 | 124 | S50°57'19.86"E | 119.33 | 124 | 724,111.53      | 2,160,365.23 |   |   |  |
| 124                                 | 125 | S58°15'26.37"E | 95.25  | 125 | 724,030.53      | 2,160,315.12 |   |   |  |
| 125                                 | 126 | S49°22'18.16"E | 25.32  | 126 | 724,011.31      | 2,160,298.63 |   |   |  |
| 126                                 | 127 | S57°15'53.19"E | 0.17   | 127 | 724,011.17      | 2,160,298.54 |   |   |  |
| 127                                 | 128 | S79°59'31.27"E | 0.17   | 128 | 724,011.00      | 2,160,298.51 |   |   |  |
| 128                                 | 129 | N82°52'29.94"E | 0.16   | 129 | 724,010.84      | 2,160,298.53 |   |   |  |
| 129                                 | 130 | N60°15'18.43"E | 0.24   | 130 | 724,010.63      | 2,160,298.65 |   |   |  |
| 130                                 | 131 | N45°06'44.07"E | 54.14  | 131 | 723,972.27      | 2,160,336.86 |   |   |  |
| 131                                 | 132 | S80°00'16.91"E | 99.50  | 132 | 723,874.28      | 2,160,319.59 |   |   |  |
| 132                                 | 133 | N75°57'49.52"E | 0.16   | 133 | 723,874.12      | 2,160,319.63 |   |   |  |
| 133                                 | 134 | N51°42'35.41"E | 0.24   | 134 | 723,873.93      | 2,160,319.78 |   |   |  |
| 134                                 | 135 | N37°25'46.48"E | 130.42 | 135 | 723,794.66      | 2,160,423.35 |   |   |  |
| 135                                 | 136 | N78°19'35.54"E | 130.13 | 136 | 723,667.22      | 2,160,449.68 |   |   |  |
| 136                                 | 137 | S19°12'38.14"E | 642.87 | 137 | 723,455.69      | 2,159,842.61 |   |   |  |
| 137                                 | 138 | S30°57'49.52"E | 0.23   | 138 | 723,455.57      | 2,159,842.41 |   |   |  |
| 138                                 | 139 | S62°21'14.49"E | 0.24   | 139 | 723,455.36      | 2,159,842.30 |   |   |  |
| 139                                 | 140 | S87°36'50.60"E | 0.24   | 140 | 723,455.12      | 2,159,842.29 |   |   |  |
| 140                                 | 141 | N78°24'46.26"E | 42.97  | 141 | 723,413.03      | 2,159,850.92 |   |   |  |
| 141                                 | 142 | N72°25'02.04"E | 53.79  | 142 | 723,361.75      | 2,159,867.17 |   |   |  |
| 142                                 | 143 | N68°48'14.68"E | 233.71 | 143 | 723,143.85      | 2,159,951.67 |   |   |  |
| 143                                 | 144 | N60°15'18.43"E | 0.16   | 144 | 723,143.71      | 2,159,951.75 |   |   |  |
| 144                                 | 145 | N42°30'37.61"E | 0.16   | 145 | 723,143.60      | 2,159,951.87 |   |   |  |
| 145                                 | 146 | N21°48'05.07"E | 0.16   | 146 | 723,143.54      | 2,159,952.02 |   |   |  |
| 146                                 | 147 | N03°48'50.67"E | 0.15   | 147 | 723,143.53      | 2,159,952.17 |   |   |  |
| 147                                 | 148 | N10°37'10.76"E | 0.16   | 148 | 723,143.56      | 2,159,952.33 |   |   |  |
| 148                                 | 149 | N22°05'25.12"E | 112.69 | 149 | 723,185.94      | 2,160,056.75 |   |   |  |
| 149                                 | 150 | N31°36'27.01"E | 0.15   | 150 | 723,186.02      | 2,160,056.88 |   |   |  |
| 150                                 | 151 | N49°45'49.11"E | 0.17   | 151 | 723,186.15      | 2,160,056.99 |   |   |  |
| 151                                 | 152 | N66°48'05.07"E | 0.15   | 152 | 723,186.29      | 2,160,057.05 |   |   |  |
| 152                                 | 153 | S87°36'50.60"E | 0.24   | 153 | 723,186.53      | 2,160,057.04 |   |   |  |
| 153                                 | 154 | S75°10'36.27"E | 111.24 | 154 | 723,294.07      | 2,160,028.58 |   |   |  |
| 154                                 | 155 | N23°41'31.13"E | 244.74 | 155 | 723,392.41      | 2,160,252.69 |   |   |  |
| 155                                 | 156 | N60°55'27.42"E | 205.61 | 156 | 723,572.11      | 2,160,352.61 |   |   |  |
| 156                                 | 157 | N15°45'50.36"E | 459.00 | 157 | 723,447.41      | 2,160,794.35 |   |   |  |
| 157                                 | 158 | N73°34'25.04"E | 934.82 | 158 | 722,550.75      | 2,161,058.70 |   |   |  |
| 158                                 | 159 | S08°47'25.35"E | 206.91 | 159 | 722,519.13      | 2,160,854.22 |   |   |  |
| 159                                 | 160 | S49°35'10.67"E | 130.53 | 160 | 722,618.51      | 2,160,769.60 |   |   |  |
| 160                                 | 161 | S15°38'32.09"E | 0.26   | 161 | 722,618.58      | 2,160,769.35 |   |   |  |
| 161                                 | 162 | S09°36'15.12"E | 328.64 | 162 | 722,563.75      | 2,160,445.32 |   |   |  |
| 162                                 | 163 | S87°42'33.80"E | 0.50   | 163 | 722,563.25      | 2,160,445.30 |   |   |  |
| 163                                 | 164 | N68°11'54.93"E | 0.16   | 164 | 722,563.10      | 2,160,445.36 |   |   |  |
| 164                                 | 165 | N59°14'02.08"E | 118.31 | 165 | 722,461.44      | 2,160,505.88 |   |   |  |
| 165                                 | 166 | N54°59'02.85"E | 80.67  | 166 | 722,395.37      | 2,160,552.17 |   |   |  |
| 166                                 | 167 | N41°49'12.61"E | 0.25   | 167 | 722,395.20      | 2,160,552.36 |   |   |  |
| 167                                 | 168 | N14°02'10.48"E | 0.16   | 168 | 722,395.16      | 2,160,552.52 |   |   |  |
| 168                                 | 169 | N12°50'37.48"E | 324.21 | 169 | 722,467.23      | 2,160,868.62 |   |   |  |
| 169                                 | 170 | N54°35'00.18"E | 94.63  | 170 | 722,390.11      | 2,160,923.46 |   |   |  |
| 170                                 | 171 | N39°48'20.06"E | 0.23   | 171 | 722,389.96      | 2,160,923.64 |   |   |  |
| 171                                 | 172 | N17°21'14.49"E | 0.17   | 172 | 722,389.91      | 2,160,923.80 |   |   |  |
| 172                                 | 173 | N00°00'00.00"E | 0.16   | 173 | 722,389.91      | 2,160,923.96 |   |   |  |
| 173                                 | 174 | N20°06'15.38"E | 746.20 | 174 | 722,646.40      | 2,161,624.69 |   |   |  |
| 174                                 | 175 | N72°28'26.96"E | 104.44 | 175 | 722,546.81      | 2,161,656.14 |   |   |  |
| 175                                 | 176 | S20°47'09.06"E | 387.23 | 176 | 722,409.39      | 2,161,294.11 |   |   |  |
| 176                                 | 177 | S33°01'25.92"E | 0.24   | 177 | 722,409.26      | 2,161,293.91 |   |   |  |
| 177                                 | 178 | S62°21'14.49"E | 0.24   | 178 | 722,409.05      | 2,161,293.80 |   |   |  |
| 178                                 | 179 | N89°45'40.57"E | 0.24   | 179 | 722,408.81      | 2,161,293.80 |   |   |  |
| 179                                 | 180 | N77°13'58.27"E | 113.71 | 180 | 722,297.91      | 2,161,318.93 |   |   |  |
| 180                                 | 181 | N73°11'41.31"E | 300.43 | 181 | 722,010.31      | 2,161,405.79 |   |   |  |
| 181                                 | 182 | N86°05'36.34"E | 68.40  | 182 | 721,942.07      | 2,161,410.45 |   |   |  |
| 182                                 | 183 | N54°27'44.36"E | 0.17   | 183 | 721,941.93      | 2,161,410.55 |   |   |  |

| CUADRO DE CONSTRUCCIÓN POLIGONO IIA |     |                |        |     |                 |              |   |   |  |
|-------------------------------------|-----|----------------|--------|-----|-----------------|--------------|---|---|--|
| LADO                                |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              | X | Y |  |
| EST                                 | PV  |                |        |     |                 |              |   |   |  |
| 183                                 | 184 | N40°14'10.89"E | 0.17   | 184 | 721,941.82      | 2,161,410.68 |   |   |  |
| 184                                 | 185 | N17°21'14.49"E | 0.17   | 185 | 721,941.77      | 2,161,410.84 |   |   |  |
| 185                                 | 186 | N06°50'33.98"E | 0.25   | 186 | 721,941.80      | 2,161,411.09 |   |   |  |
| 186                                 | 187 | N21°00'33.59"E | 186.85 | 187 | 722,008.79      | 2,161,585.52 |   |   |  |
| 187                                 | 188 | S68°57'48.97"E | 110.85 | 188 | 722,112.25      | 2,161,545.73 |   |   |  |
| 188                                 | 189 | N21°02'16.15"E | 133.21 | 189 | 722,160.07      | 2,161,670.06 |   |   |  |
| 189                                 | 190 | N08°23'03.98"E | 165.35 | 190 | 722,135.96      | 2,161,833.64 |   |   |  |
| 190                                 | 191 | N73°47'26.63"E | 236.22 | 191 | 721,909.13      | 2,161,899.58 |   |   |  |
| 191                                 | 192 | S25°02'07.78"E | 243.77 | 192 | 721,805.97      | 2,161,678.71 |   |   |  |
| 192                                 | 193 | S65°17'57.34"E | 209.22 | 193 | 721,996.05      | 2,161,591.28 |   |   |  |
| 193                                 | 194 | S53°07'48.37"E | 0.25   | 194 | 721,996.25      | 2,161,591.13 |   |   |  |
| 194                                 | 195 | S25°01'00.82"E | 0.17   | 195 | 721,996.32      | 2,161,590.98 |   |   |  |
| 195                                 | 196 | S07°07'30.06"E | 0.16   | 196 | 721,996.34      | 2,161,590.82 |   |   |  |
| 196                                 | 197 | S20°15'08.75"E | 223.74 | 197 | 721,918.89      | 2,161,380.91 |   |   |  |
| 197                                 | 198 | S36°52'11.63"E | 0.15   | 198 | 721,918.80      | 2,161,380.79 |   |   |  |
| 198                                 | 199 | S56°18'35.76"E | 0.22   | 199 | 721,918.62      | 2,161,380.67 |   |   |  |
| 199                                 | 200 | S70°51'13.56"E | 55.28  | 200 | 721,866.40      | 2,161,362.54 |   |   |  |
| 200                                 | 201 | S85°25'33.88"E | 0.25   | 201 | 721,866.15      | 2,161,362.52 |   |   |  |
| 201                                 | 202 | N69°26'38.24"E | 0.17   | 202 | 721,865.99      | 2,161,362.58 |   |   |  |
| 202                                 | 203 | N45°00'00.00"E | 0.25   | 203 | 721,865.81      | 2,161,362.76 |   |   |  |
| 203                                 | 204 | N20°33'21.76"E | 0.17   | 204 | 721,865.75      | 2,161,362.92 |   |   |  |
| 204                                 | 205 | N09°17'40.59"E | 205.56 | 205 | 721,898.95      | 2,161,565.78 |   |   |  |
| 205                                 | 206 | N60°36'13.98"E | 561.38 | 206 | 721,409.85      | 2,161,841.33 |   |   |  |
| 206                                 | 207 | S18°13'48.74"E | 33.63  | 207 | 721,399.33      | 2,161,809.39 |   |   |  |
| 207                                 | 208 | N66°36'00.61"E | 90.47  | 208 | 721,316.30      | 2,161,845.32 |   |   |  |
| 208                                 | 209 | N55°00'28.73"E | 0.24   | 209 | 721,316.10      | 2,161,845.46 |   |   |  |
| 209                                 | 210 | N28°04'20.95"E | 0.17   | 210 | 721,316.02      | 2,161,845.61 |   |   |  |
| 210                                 | 211 | N10°37'10.76"E | 0.16   | 211 | 721,315.99      | 2,161,845.77 |   |   |  |
| 211                                 | 212 | N10°37'10.76"E | 0.16   | 212 | 721,316.02      | 2,161,845.93 |   |   |  |
| 212                                 | 213 | N17°47'10.19"E | 379.81 | 213 | 721,432.04      | 2,162,207.59 |   |   |  |
| 213                                 | 214 | N26°33'54.18"E | 0.16   | 214 | 721,432.11      | 2,162,207.73 |   |   |  |
| 214                                 | 215 | N45°00'00.00"E | 0.16   | 215 | 721,432.22      | 2,162,207.84 |   |   |  |
| 215                                 | 216 | N62°36'22.31"E | 196.96 | 216 | 721,607.09      | 2,162,298.46 |   |   |  |
| 216                                 | 217 | N76°30'15.36"E | 0.26   | 217 | 721,607.34      | 2,162,298.52 |   |   |  |
| 217                                 | 218 | S68°05'14.95"E | 207.80 | 218 | 721,800.13      | 2,162,220.97 |   |   |  |
| 218                                 | 219 | N24°38'20.98"E | 256.03 | 219 | 721,906.87      | 2,162,453.69 |   |   |  |
| 219                                 | 220 | N40°06'03.27"E | 0.25   | 220 | 721,907.03      | 2,162,453.88 |   |   |  |
| 220                                 | 221 | N62°37'53.56"E | 660.22 | 221 | 722,493.35      | 2,162,757.39 |   |   |  |
| 221                                 | 222 | N87°07'47.38"E | 33.15  | 222 | 722,526.46      | 2,162,759.05 |   |   |  |
| 222                                 | 62  | S82°41'43.44"E | 50.26  | 62  | 722,576.31      | 2,162,752.66 |   |   |  |

| CUADRO DE CONSTRUCCIÓN POLIGONO IIIA1 |     |                |       |     |                 |               |  |  |  |
|---------------------------------------|-----|----------------|-------|-----|-----------------|---------------|--|--|--|
| LADO                                  |     | RUMBO          | DIST. | V   | COORDENADAS UTM |               |  |  |  |
| EST                                   | PV  |                |       |     | X               | Y             |  |  |  |
|                                       |     |                |       | 90  | 732,354.960     | 2,154,265.830 |  |  |  |
| 90                                    | 91  | S59°39'40.98"O | 41.65 | 91  | 732,319.010     | 2,154,244.790 |  |  |  |
| 91                                    | 92  | S45°13'46.06"O | 40.61 | 92  | 732,290.180     | 2,154,216.190 |  |  |  |
| 92                                    | 93  | S64°25'21.04"O | 44.89 | 93  | 732,249.690     | 2,154,196.810 |  |  |  |
| 93                                    | 94  | N89°42'38.27"O | 21.78 | 94  | 732,227.910     | 2,154,196.920 |  |  |  |
| 94                                    | 95  | N40°20'12.24"O | 29.83 | 95  | 732,208.600     | 2,154,219.660 |  |  |  |
| 95                                    | 96  | N11°26'33.74"O | 16.08 | 96  | 732,205.410     | 2,154,235.420 |  |  |  |
| 96                                    | 97  | N03°33'54.80"E | 16.08 | 97  | 732,206.410     | 2,154,251.470 |  |  |  |
| 97                                    | 98  | N14°33'55.44"E | 23.90 | 98  | 732,212.420     | 2,154,274.600 |  |  |  |
| 98                                    | 99  | N32°24'11.22"E | 14.20 | 99  | 732,220.030     | 2,154,286.590 |  |  |  |
| 99                                    | 100 | N21°11'32.07"E | 30.04 | 100 | 732,230.890     | 2,154,314.600 |  |  |  |
| 100                                   | 101 | N04°31'46.00"O | 72.94 | 101 | 732,225.130     | 2,154,387.310 |  |  |  |
| 101                                   | 102 | N54°58'43.42"E | 54.56 | 102 | 732,269.810     | 2,154,418.620 |  |  |  |
| 102                                   | 103 | N60°38'32.09"E | 17.62 | 103 | 732,285.170     | 2,154,427.260 |  |  |  |
| 103                                   | 104 | N35°30'10.85"E | 23.06 | 104 | 732,298.560     | 2,154,446.030 |  |  |  |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IIIA1 |     |                |        |     |                 |               |             |     |                |
|---------------------------------------|-----|----------------|--------|-----|-----------------|---------------|-------------|-----|----------------|
| LADO<br>EST                           | PV  | RUMBO          | DIST.  | V   | COORDENADAS UTM |               | LADO<br>EST | PV  | RUMBO          |
|                                       |     |                |        |     | X               | Y             |             |     |                |
| 104                                   | 105 | N01°34'51.42"E | 20.30  | 105 | 732,299.120     | 2,154,466.320 | 165         | 166 | S49°04'31.11"O |
| 105                                   | 106 | N38°55'47.37"O | 22.53  | 106 | 732,284.960     | 2,154,483.850 | 166         | 167 | S37°57'15.23"O |
| 106                                   | 107 | N53°58'48.56"O | 22.38  | 107 | 732,266.860     | 2,154,497.010 | 167         | 168 | S17°06'50.39"O |
| 107                                   | 108 | N09°02'30.15"O | 28.89  | 108 | 732,262.320     | 2,154,525.540 | 168         | 169 | S02°29'22.39"O |
| 108                                   | 109 | N19°02'29.52"E | 31.66  | 109 | 732,272.650     | 2,154,555.470 | 169         | 170 | S24°50'53.71"O |
| 109                                   | 110 | N29°02'32.28"E | 31.66  | 110 | 732,288.020     | 2,154,583.150 | 170         | 171 | S38°08'39.38"O |
| 110                                   | 111 | N12°49'53.08"E | 25.26  | 111 | 732,293.630     | 2,154,607.780 | 171         | 172 | S13°23'41.99"O |
| 111                                   | 112 | S72°20'30.93"O | 40.58  | 112 | 732,254.960     | 2,154,595.470 | 172         | 173 | S04°15'42.91"O |
| 112                                   | 113 | S48°59'49.31"O | 21.51  | 113 | 732,238.730     | 2,154,581.360 | 173         | 174 | S05°45'49.88"E |
| 113                                   | 114 | S02°40'46.23"O | 20.96  | 114 | 732,237.750     | 2,154,560.420 | 174         | 175 | S47°34'52.07"O |
| 114                                   | 115 | S53°48'51.66"O | 49.24  | 115 | 732,198.010     | 2,154,531.350 | 175         | 176 | S71°03'23.95"O |
| 115                                   | 116 | S77°30'38.43"O | 39.35  | 116 | 732,159.590     | 2,154,522.840 | 176         | 177 | S66°17'30.30"O |
| 116                                   | 117 | N87°11'20.30"O | 51.79  | 117 | 732,107.860     | 2,154,525.380 | 177         | 178 | S00°00'00.00"  |
| 117                                   | 118 | N63°22'38.72"O | 44.54  | 118 | 732,068.040     | 2,154,545.340 | 178         | 179 | S00°00'00.00"  |
| 118                                   | 119 | N64°30'12.78"O | 72.18  | 119 | 732,002.890     | 2,154,576.410 | 179         | 180 | S89°59'15.80"O |
| 119                                   | 120 | N31°14'15.30"O | 54.19  | 120 | 731,974.790     | 2,154,622.740 | 180         | 181 | S81°15'17.48"O |
| 120                                   | 121 | N63°27'21.59"O | 12.17  | 121 | 731,963.900     | 2,154,628.180 | 181         | 182 | S72°05'01.06"O |
| 121                                   | 122 | S34°25'08.07"O | 48.40  | 122 | 731,936.540     | 2,154,588.250 | 182         | 183 | S62°13'22.00"O |
| 122                                   | 123 | S74°02'13.57"O | 26.98  | 123 | 731,910.600     | 2,154,580.830 | 183         | 184 | S51°37'57.96"O |
| 123                                   | 124 | N86°01'43.59"O | 24.98  | 124 | 731,885.680     | 2,154,582.560 | 184         | 185 | S54°07'27.41"O |
| 124                                   | 125 | N86°01'21.85"O | 114.91 | 125 | 731,771.050     | 2,154,590.530 | 185         | 186 | S61°55'39.05"O |
| 125                                   | 126 | S02°00'29.53"O | 96.74  | 126 | 731,767.660     | 2,154,493.850 | 186         | 187 | S82°52'29.94"O |
| 126                                   | 127 | S11°21'31.83"O | 45.95  | 127 | 731,758.610     | 2,154,448.800 | 187         | 188 | N88°30'49.92"O |
| 127                                   | 128 | S61°35'24.03"O | 21.67  | 128 | 731,739.550     | 2,154,438.490 | 188         | 189 | N79°22'49.24"O |
| 128                                   | 129 | S86°03'41.25"O | 47.46  | 129 | 731,692.200     | 2,154,435.230 | 189         | 190 | N60°15'18.43"O |
| 129                                   | 130 | S38°19'50.52"O | 35.62  | 130 | 731,670.110     | 2,154,407.290 | 190         | 191 | N42°30'37.61"O |
| 130                                   | 131 | S25°35'31.08"O | 56.88  | 131 | 731,645.540     | 2,154,355.990 | 191         | 192 | N21°48'05.07"O |
| 131                                   | 132 | S09°46'02.35"E | 36.13  | 132 | 731,651.670     | 2,154,320.380 | 192         | 193 | N00°00'00.00"  |
| 132                                   | 133 | S25°33'21.61"O | 34.03  | 133 | 731,636.990     | 2,154,289.680 | 193         | 194 | N27°38'45.51"E |
| 133                                   | 134 | S47°55'12.90"O | 26.23  | 134 | 731,617.520     | 2,154,272.100 | 194         | 195 | N41°44'12.48"E |
| 134                                   | 135 | S21°08'32.71"O | 41.17  | 135 | 731,602.670     | 2,154,233.700 | 195         | 196 | N68°11'54.93"E |
| 135                                   | 136 | N54°26'28.16"E | 28.32  | 136 | 731,625.710     | 2,154,250.170 | 196         | 197 | N89°38'38.87"E |
| 136                                   | 137 | N46°36'12.04"E | 31.34  | 137 | 731,648.480     | 2,154,271.700 | 197         | 198 | S69°42'08.75"E |
| 137                                   | 138 | N25°21'19.60"E | 73.51  | 138 | 731,679.960     | 2,154,338.130 | 198         | 199 | S56°39'12.08"E |
| 138                                   | 139 | N51°49'59.82"E | 64.42  | 139 | 731,730.610     | 2,154,377.940 | 199         | 200 | S49°11'19.02"E |
| 139                                   | 140 | S89°32'12.30"E | 65.55  | 140 | 731,796.160     | 2,154,377.410 | 200         | 201 | S39°17'21.86"E |
| 140                                   | 141 | N59°39'26.18"E | 46.36  | 141 | 731,836.170     | 2,154,400.830 | 201         | 202 | S38°44'34.76"E |
| 141                                   | 142 | N20°01'16.65"E | 46.15  | 142 | 731,851.970     | 2,154,444.190 | 202         | 203 | S28°12'01.57"E |
| 142                                   | 143 | N39°14'05.21"E | 22.88  | 143 | 731,866.440     | 2,154,461.910 | 203         | 204 | S23°11'54.93"E |
| 143                                   | 144 | N71°54'25.79"E | 20.13  | 144 | 731,885.570     | 2,154,468.160 | 204         | 205 | S07°07'30.06"E |
| 144                                   | 145 | S82°44'21.74"E | 68.13  | 145 | 731,953.150     | 2,154,459.550 | 205         | 206 | S19°10'44.43"O |
| 145                                   | 146 | S49°39'45.24"E | 24.97  | 146 | 731,972.180     | 2,154,443.390 | 206         | 207 | S53°34'54.83"O |
| 146                                   | 147 | S18°50'58.68"E | 45.00  | 147 | 731,986.720     | 2,154,400.800 | 207         | 208 | S21°48'05.07"O |
| 147                                   | 148 | S10°58'36.34"E | 21.58  | 148 | 731,990.830     | 2,154,379.610 | 208         | 209 | S14°01'44.84"E |
| 148                                   | 149 | S35°37'35.80"E | 23.97  | 149 | 732,004.790     | 2,154,360.130 | 209         | 210 | S06°55'10.32"E |
| 149                                   | 150 | S08°32'23.28"O | 21.95  | 150 | 732,001.530     | 2,154,338.420 | 210         | 211 | S17°55'18.15"E |
| 150                                   | 151 | S23°05'09.93"O | 18.06  | 151 | 731,994.450     | 2,154,321.810 | 211         | 212 | S12°02'31.24"E |
| 151                                   | 152 | S88°21'26.45"E | 67.33  | 152 | 732,061.750     | 2,154,319.880 | 212         | 213 | S27°23'24.35"E |
| 152                                   | 153 | S47°46'49.77"E | 17.78  | 153 | 732,074.920     | 2,154,307.930 | 213         | 214 | S43°26'50.65"E |
| 153                                   | 154 | S72°44'56.60"E | 11.94  | 154 | 732,086.320     | 2,154,304.390 | 214         | 215 | S34°09'25.71"E |
| 154                                   | 155 | N87°12'51.53"E | 11.93  | 155 | 732,098.240     | 2,154,304.970 | 215         | 216 | S26°50'33.11"O |
| 155                                   | 156 | S30°03'34.88"E | 20.54  | 156 | 732,108.530     | 2,154,287.190 | 216         | 217 | N43°42'09.72"O |
| 156                                   | 157 | S10°47'58.26"E | 17.61  | 157 | 732,111.830     | 2,154,269.890 | 217         | 218 | N88°40'25.70"O |
| 157                                   | 158 | S10°46'56.61"E | 28.12  | 158 | 732,117.090     | 2,154,242.270 | 218         | 219 | N36°06'23.48"O |
| 158                                   | 159 | S21°31'42.84"E | 55.37  | 159 | 732,137.410     | 2,154,190.760 | 219         | 220 | N07°49'34.98"O |
| 159                                   | 160 | S32°08'17.87"E | 17.82  | 160 | 732,146.890     | 2,154,175.670 | 220         | 221 | N32°59'38.16"O |
| 160                                   | 161 | S12°14'52.94"E | 20.36  | 161 | 732,151.210     | 2,154,155.770 | 221         | 222 | N70°34'10.32"O |
| 161                                   | 162 | S20°32'49.17"O | 22.22  | 162 | 732,143.410     | 2,154,134.960 | 222         | 223 | N85°05'22.68"O |
| 162                                   | 163 | S43°01'30.24"O | 27.70  | 163 | 732,124.510     | 2,154,114.710 | 223         | 90  | S77°23'30.07"O |
| 163                                   | 164 | S68°20'14.47"O | 85.88  | 164 | 732,044.700     | 2,154,083.010 |             |     |                |
| 164                                   | 165 | S58°17'26.89"O | 16.61  | 165 | 732,030.570     | 2,154,074.280 |             |     |                |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IIIA1 |     |                |         |     |                 |               |
|---------------------------------------|-----|----------------|---------|-----|-----------------|---------------|
| LADO                                  |     | RUMBO          | DIST.   | V   | COORDENADAS UTM |               |
| EST                                   | PV  |                |         |     | X               | Y             |
| 165                                   | 166 | S49°04'31.11"O | 19.60   | 166 | 732,015.760     | 2,154,061.440 |
| 166                                   | 167 | S37°57'15.23"O | 12.68   | 167 | 732,007.960     | 2,154,051.440 |
| 167                                   | 168 | S17°06'50.39"O | 29.90   | 168 | 731,999.160     | 2,154,022.860 |
| 168                                   | 169 | S02°29'22.39"O | 13.12   | 169 | 731,998.590     | 2,154,009.750 |
| 169                                   | 170 | S24°50'53.71"O | 24.63   | 170 | 731,988.240     | 2,153,987.400 |
| 170                                   | 171 | S38°08'39.38"O | 39.75   | 171 | 731,963.690     | 2,153,956.140 |
| 171                                   | 172 | S13°23'41.99"O | 21.24   | 172 | 731,958.770     | 2,153,935.480 |
| 172                                   | 173 | S04°15'42.91"O | 25.70   | 173 | 731,956.860     | 2,153,909.850 |
| 173                                   | 174 | S05°45'49.88"E | 25.69   | 174 | 731,959.440     | 2,153,884.290 |
| 174                                   | 175 | S47°34'52.07"O | 25.75   | 175 | 731,940.430     | 2,153,866.920 |
| 175                                   | 176 | S71°03'23.95"O | 135.78  | 176 | 731,812.000     | 2,153,822.840 |
| 176                                   | 177 | S66°17'30.30"O | 98.16   | 177 | 731,722.120     | 2,153,783.370 |
| 177                                   | 178 | S00°00'00.00"  | 129.70  | 178 | 731,722.120     | 2,153,653.670 |
| 178                                   | 179 | S00°00'00.00"  | 55.39   | 179 | 731,722.120     | 2,153,598.280 |
| 179                                   | 180 | S89°59'15.80"O | 93.34   | 180 | 731,628.780     | 2,153,598.260 |
| 180                                   | 181 | S81°15'17.48"O | 128.45  | 181 | 731,501.820     | 2,153,578.730 |
| 181                                   | 182 | S72°05'01.06"O | 161.07  | 182 | 731,348.560     | 2,153,529.180 |
| 182                                   | 183 | S62°13'22.00"O | 52.85   | 183 | 731,301.800     | 2,153,504.550 |
| 183                                   | 184 | S51°37'57.96"O | 295.75  | 184 | 731,069.920     | 2,153,320.980 |
| 184                                   | 185 | S54°07'27.41"O | 153.88  | 185 | 730,945.230     | 2,153,230.800 |
| 185                                   | 186 | S61°55'39.05"O | 0.17    | 186 | 730,945.080     | 2,153,230.720 |
| 186                                   | 187 | S82°52'29.94"O | 0.16    | 187 | 730,944.920     | 2,153,230.700 |
| 187                                   | 188 | N88°30'49.92"O | 424.52  | 188 | 730,520.540     | 2,153,241.710 |
| 188                                   | 189 | N79°22'49.24"O | 0.16    | 189 | 730,520.380     | 2,153,241.740 |
| 189                                   | 190 | N60°15'18.43"O | 0.16    | 190 | 730,520.240     | 2,153,241.820 |
| 190                                   | 191 | N42°30'37.61"O | 0.16    | 191 | 730,520.130     | 2,153,241.940 |
| 191                                   | 192 | N21°48'05.07"O | 0.16    | 192 | 730,520.070     | 2,153,242.090 |
| 192                                   | 193 | N00°00'00.00"  | 0.24    | 193 | 730,520.070     | 2,153,242.330 |
| 193                                   | 194 | N27°38'45.51"E | 0.24    | 194 | 730,520.180     | 2,153,242.540 |
| 194                                   | 195 | N41°44'12.48"E | 2297.49 | 195 | 732,049.640     | 2,154,956.950 |
| 195                                   | 196 | N68°11'54.93"E | 0.16    | 196 | 732,049.790     | 2,154,957.010 |
| 196                                   | 197 | N89°38'38.87"E | 0.16    | 197 | 732,049.951     | 2,154,957.011 |
| 197                                   | 198 | S69°42'08.75"E | 0.23    | 198 | 732,050.170     | 2,154,956.930 |
| 198                                   | 199 | S56°34'28.12"O | 265.14  | 199 | 732,271.660     | 2,154,811.180 |
| 199                                   | 200 | S49°11'19.02"E | 165.06  | 200 | 732,396.590     | 2,154,703.300 |
| 200                                   | 201 | S39°17'21.86"E | 0.14    | 201 | 732,396.680     | 2,154,703.190 |
| 201                                   | 202 | S38°44'34.76"E | 66.70   | 202 | 732,438.420     | 2,154,651.170 |
| 202                                   | 203 | S28°12'01.57"E | 85.87   | 203 | 732,479.000     | 2,154,575.490 |
| 203                                   | 204 | S23°11'54.93"E | 0.15    | 204 | 732,479.060     | 2,154,575.350 |
| 204                                   | 205 | S07°07'30.06"E | 0.16    | 205 | 732,479.080     | 2,154,575.190 |
| 205                                   | 206 | S19°10'44.43"O | 0.24    | 206 | 732,479.000     | 2,154,574.960 |
| 206                                   | 207 | S53°34'54.83"O | 48.19   | 207 | 732,440.220     | 2,154,546.350 |
| 207                                   | 208 | S21°48'05.07"O | 22.56   | 208 | 732,431.840     | 2,154,525.400 |
| 208                                   | 209 | S14°01'44.84"E | 19.51   | 209 | 732,436.570     | 2,154,506.470 |
| 209                                   | 210 | S06°55'10.32"E | 47.73   | 210 | 732,442.320     | 2,154,459.090 |
| 210                                   | 211 | S17°55'18.15"E | 74.84   | 211 | 732,465.350     | 2,154,387.880 |
| 211                                   | 212 | S12°02'31.24"E | 92.56   | 212 | 732,484.660     | 2,154,297.360 |
| 212                                   | 213 | S27°23'24.35"E | 18.32   | 213 | 732,493.090     | 2,154,281.090 |
| 213                                   | 214 | S43°26'50.65"E | 49.32   | 214 | 732,527.010     | 2,154,245.280 |
| 214                                   | 215 | S34°09'25.71"E | 13.27   | 215 | 732,534.460     | 2,154,234.300 |
| 215                                   | 216 | S26°50'33.11"O | 60.95   | 216 | 732,506.940     | 2,154,179.920 |
| 216                                   | 217 | N43°42'09.72"O | 11.87   | 217 | 732,498.740     | 2,154,188.500 |
| 217                                   | 218 | N88°40'25.70"O | 37.59   | 218 | 732,461.160     | 2,154,189.370 |
| 218                                   | 219 | N36°06'23.48"O | 35.13   | 219 | 732,440.460     | 2,154,217.750 |
| 219                                   | 220 | N07°49'34.98"O | 21.08   | 220 | 732,437.590     | 2,154,238.630 |
| 220                                   | 221 | N32°59'38.16"O | 26.48   | 221 | 732,423.170     | 2,154,260.840 |
| 221                                   | 222 | N70°34'10.32"O | 26.57   | 222 | 732,398.110     | 2,154,269.680 |
| 222                                   | 223 | N85°05'22.68"O | 18.81   | 223 | 732,379.370     | 2,154,271.290 |
| 223                                   | 90  | S77°23'30.07"O | 25.01   | 90  | 732,354.960     | 2,154,265.830 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IIIA1 |     |                |        |     |                 |              |
|---------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                                  |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| EST                                   | PV  |                |        |     | X               | Y            |
|                                       |     |                |        | 90  | 732,354.96      | 2,154,265.83 |
| 90                                    | 91  | S59°39'40.98"O | 41.65  | 91  | 732,319.01      | 2,154,244.79 |
| 91                                    | 92  | S45°13'46.06"O | 40.61  | 92  | 732,290.18      | 2,154,216.19 |
| 92                                    | 93  | S64°25'21.04"O | 44.89  | 93  | 732,249.69      | 2,154,196.81 |
| 93                                    | 94  | N89°42'38.27"O | 21.78  | 94  | 732,227.91      | 2,154,196.92 |
| 94                                    | 95  | N40°20'12.24"O | 29.83  | 95  | 732,208.60      | 2,154,219.66 |
| 95                                    | 96  | N11°26'33.74"O | 16.08  | 96  | 732,205.41      | 2,154,235.42 |
| 96                                    | 97  | N03°33'54.80"E | 16.08  | 97  | 732,206.41      | 2,154,251.47 |
| 97                                    | 98  | N14°33'55.44"E | 23.90  | 98  | 732,212.42      | 2,154,274.60 |
| 98                                    | 99  | N32°24'11.22"E | 14.20  | 99  | 732,220.03      | 2,154,286.59 |
| 99                                    | 100 | N21°11'32.07"E | 30.04  | 100 | 732,230.89      | 2,154,314.60 |
| 100                                   | 101 | N04°31'46.00"O | 72.94  | 101 | 732,225.13      | 2,154,387.31 |
| 101                                   | 102 | N54°58'43.42"E | 54.56  | 102 | 732,269.81      | 2,154,418.62 |
| 102                                   | 103 | N60°38'32.09"E | 17.62  | 103 | 732,285.17      | 2,154,427.26 |
| 103                                   | 104 | N35°30'10.85"E | 23.06  | 104 | 732,298.56      | 2,154,446.03 |
| 104                                   | 105 | N01°34'51.42"E | 20.30  | 105 | 732,299.12      | 2,154,466.32 |
| 105                                   | 106 | N38°55'47.37"O | 22.53  | 106 | 732,284.96      | 2,154,483.85 |
| 106                                   | 107 | N53°58'48.56"O | 22.38  | 107 | 732,266.86      | 2,154,497.01 |
| 107                                   | 108 | N09°02'30.15"O | 28.89  | 108 | 732,262.32      | 2,154,525.54 |
| 108                                   | 109 | N19°02'29.52"E | 31.66  | 109 | 732,272.65      | 2,154,555.47 |
| 109                                   | 110 | N29°02'32.28"E | 31.66  | 110 | 732,288.02      | 2,154,583.15 |
| 110                                   | 111 | N12°49'53.08"E | 25.26  | 111 | 732,293.63      | 2,154,607.78 |
| 111                                   | 112 | S72°20'30.93"O | 40.58  | 112 | 732,254.96      | 2,154,595.47 |
| 112                                   | 113 | S48°59'49.31"O | 21.51  | 113 | 732,238.73      | 2,154,581.36 |
| 113                                   | 114 | S02°40'46.23"O | 20.96  | 114 | 732,237.75      | 2,154,560.42 |
| 114                                   | 115 | S53°48'51.66"O | 49.24  | 115 | 732,198.01      | 2,154,531.35 |
| 115                                   | 116 | S77°30'38.43"O | 39.35  | 116 | 732,159.59      | 2,154,522.84 |
| 116                                   | 117 | N87°11'20.30"O | 51.79  | 117 | 732,107.86      | 2,154,525.38 |
| 117                                   | 118 | N63°22'38.72"O | 44.54  | 118 | 732,068.04      | 2,154,545.34 |
| 118                                   | 119 | N64°30'12.78"O | 72.18  | 119 | 732,002.89      | 2,154,576.41 |
| 119                                   | 120 | N31°14'15.30"O | 54.19  | 120 | 731,974.79      | 2,154,622.74 |
| 120                                   | 121 | N63°27'21.59"O | 12.17  | 121 | 731,963.90      | 2,154,628.18 |
| 121                                   | 122 | S34°25'08.07"O | 48.40  | 122 | 731,936.54      | 2,154,588.25 |
| 122                                   | 123 | S74°02'13.57"O | 26.98  | 123 | 731,910.60      | 2,154,580.83 |
| 123                                   | 124 | N86°01'43.59"O | 24.98  | 124 | 731,885.68      | 2,154,582.56 |
| 124                                   | 125 | N86°01'21.85"O | 114.91 | 125 | 731,771.05      | 2,154,590.53 |
| 125                                   | 126 | S02°00'29.53"O | 96.74  | 126 | 731,767.66      | 2,154,493.85 |
| 126                                   | 127 | S11°21'31.83"O | 45.95  | 127 | 731,758.61      | 2,154,448.80 |
| 127                                   | 128 | S61°35'24.03"O | 21.67  | 128 | 731,739.55      | 2,154,438.49 |
| 128                                   | 129 | S86°03'41.25"O | 47.46  | 129 | 731,692.20      | 2,154,435.23 |
| 129                                   | 130 | S38°19'50.52"O | 35.62  | 130 | 731,670.11      | 2,154,407.29 |
| 130                                   | 131 | S25°35'31.08"O | 56.88  | 131 | 731,645.54      | 2,154,355.99 |
| 131                                   | 132 | S09°46'02.35"E | 36.13  | 132 | 731,651.67      | 2,154,320.38 |
| 132                                   | 133 | S25°33'21.61"O | 34.03  | 133 | 731,636.99      | 2,154,289.68 |
| 133                                   | 134 | S47°55'12.90"O | 26.23  | 134 | 731,617.52      | 2,154,272.10 |
| 134                                   | 135 | S21°08'32.71"O | 41.17  | 135 | 731,602.67      | 2,154,233.70 |
| 135                                   | 136 | N54°26'28.16"E | 28.32  | 136 | 731,625.71      | 2,154,250.17 |
| 136                                   | 137 | N46°36'12.04"E | 31.34  | 137 | 731,648.48      | 2,154,271.70 |
| 137                                   | 138 | N25°21'19.60"E | 73.51  | 138 | 731,679.96      | 2,154,338.13 |
| 138                                   | 139 | N51°49'59.82"E | 64.42  | 139 | 731,730.61      | 2,154,377.94 |
| 139                                   | 140 | S89°32'12.30"E | 65.55  | 140 | 731,796.16      | 2,154,377.41 |
| 140                                   | 141 | N59°39'26.18"E | 46.36  | 141 | 731,836.17      | 2,154,400.83 |
| 141                                   | 142 | N20°01'16.65"E | 46.15  | 142 | 731,851.97      | 2,154,444.19 |
| 142                                   | 143 | N39°14'05.21"E | 22.88  | 143 | 731,866.44      | 2,154,461.91 |
| 143                                   | 144 | N71°54'25.79"E | 20.13  | 144 | 731,885.57      | 2,154,468.16 |
| 144                                   | 145 | S82°44'21.74"E | 68.13  | 145 | 731,953.15      | 2,154,459.55 |
| 145                                   | 146 | S49°39'45.24"E | 24.97  | 146 | 731,972.18      | 2,154,443.39 |
| 146                                   | 147 | S18°50'58.68"E | 45.00  | 147 | 731,986.72      | 2,154,400.80 |
| 147                                   | 148 | S10°58'36.34"E | 21.58  | 148 | 731,990.83      | 2,154,379.61 |
| 148                                   | 149 | S35°37'35.80"E | 23.97  | 149 | 732,004.79      | 2,154,360.13 |
| 149                                   | 150 | S08°32'23.28"O | 21.95  | 150 | 732,001.53      |              |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IIIA1 |     |                |         |     |                 |              |
|---------------------------------------|-----|----------------|---------|-----|-----------------|--------------|
| LADO                                  |     | RUMBO          | DIST.   | V   | COORDENADAS UTM |              |
| EST                                   | PV  |                |         |     | X               | Y            |
| 150                                   | 151 | S23°05'09.93"O | 18.06   | 151 | 731,994.45      | 2,154,321.81 |
| 151                                   | 152 | S88°21'26.45"E | 67.33   | 152 | 732,061.75      | 2,154,319.88 |
| 152                                   | 153 | S47°46'49.77"E | 17.78   | 153 | 732,074.92      | 2,154,307.93 |
| 153                                   | 154 | S72°44'56.60"E | 11.94   | 154 | 732,086.32      | 2,154,304.39 |
| 154                                   | 155 | N87°12'51.53"E | 11.93   | 155 | 732,098.24      | 2,154,304.97 |
| 155                                   | 156 | S30°03'34.88"E | 20.54   | 156 | 732,108.53      | 2,154,287.19 |
| 156                                   | 157 | S10°47'58.26"E | 17.61   | 157 | 732,111.83      | 2,154,269.89 |
| 157                                   | 158 | S10°46'56.61"E | 28.12   | 158 | 732,117.09      | 2,154,242.27 |
| 158                                   | 159 | S21°31'42.84"E | 55.37   | 159 | 732,137.41      | 2,154,190.76 |
| 159                                   | 160 | S32°08'17.87"E | 17.82   | 160 | 732,146.89      | 2,154,175.67 |
| 160                                   | 161 | S12°14'52.94"E | 20.36   | 161 | 732,151.21      | 2,154,155.77 |
| 161                                   | 162 | S20°32'49.17"O | 22.22   | 162 | 732,143.41      | 2,154,134.96 |
| 162                                   | 163 | S43°01'30.24"O | 27.70   | 163 | 732,124.51      | 2,154,114.71 |
| 163                                   | 164 | S68°20'14.47"O | 85.88   | 164 | 732,044.70      | 2,154,083.01 |
| 164                                   | 165 | S58°17'26.89"O | 16.61   | 165 | 732,030.57      | 2,154,074.28 |
| 165                                   | 166 | S49°04'31.11"O | 19.60   | 166 | 732,015.76      | 2,154,061.44 |
| 166                                   | 167 | S37°57'15.23"O | 12.68   | 167 | 732,007.96      | 2,154,051.44 |
| 167                                   | 168 | S17°06'50.39"O | 29.90   | 168 | 731,999.16      | 2,154,022.86 |
| 168                                   | 169 | S02°29'22.39"O | 13.12   | 169 | 731,998.59      | 2,154,009.75 |
| 169                                   | 170 | S24°50'53.71"O | 24.63   | 170 | 731,988.24      | 2,153,987.40 |
| 170                                   | 171 | S38°08'39.38"O | 39.75   | 171 | 731,963.69      | 2,153,956.14 |
| 171                                   | 172 | S13°23'41.99"O | 21.24   | 172 | 731,958.77      | 2,153,935.48 |
| 172                                   | 173 | S04°15'42.91"O | 25.70   | 173 | 731,956.86      | 2,153,909.85 |
| 173                                   | 174 | S05°45'49.88"E | 25.69   | 174 | 731,959.44      | 2,153,884.29 |
| 174                                   | 175 | S47°34'52.07"O | 25.75   | 175 | 731,940.43      | 2,153,866.92 |
| 175                                   | 176 | S71°03'23.95"O | 135.78  | 176 | 731,812.00      | 2,153,822.84 |
| 176                                   | 177 | S66°17'30.30"O | 98.16   | 177 | 731,722.12      | 2,153,783.37 |
| 177                                   | 178 | S00°00'00.00"  | 129.70  | 178 | 731,722.12      | 2,153,653.67 |
| 178                                   | 179 | S00°00'00.00"  | 55.39   | 179 | 731,722.12      | 2,153,598.28 |
| 179                                   | 180 | S89°59'15.80"O | 93.34   | 180 | 731,628.78      | 2,153,598.26 |
| 180                                   | 181 | S81°15'17.48"O | 128.45  | 181 | 731,501.82      | 2,153,578.73 |
| 181                                   | 182 | S72°05'01.06"O | 161.07  | 182 | 731,348.56      | 2,153,529.18 |
| 182                                   | 183 | S62°13'22.00"O | 52.85   | 183 | 731,301.80      | 2,153,504.55 |
| 183                                   | 184 | S51°37'57.96"O | 295.75  | 184 | 731,069.92      | 2,153,320.98 |
| 184                                   | 185 | S54°07'27.41"O | 153.88  | 185 | 730,945.23      | 2,153,230.80 |
| 185                                   | 186 | S61°55'39.05"O | 0.17    | 186 | 730,945.08      | 2,153,230.72 |
| 186                                   | 187 | S82°52'29.94"O | 0.16    | 187 | 730,944.92      | 2,153,230.70 |
| 187                                   | 188 | N88°30'49.92"O | 424.52  | 188 | 730,520.54      | 2,153,241.71 |
| 188                                   | 189 | N79°22'49.24"O | 0.16    | 189 | 730,520.38      | 2,153,241.74 |
| 189                                   | 190 | N60°15'18.43"O | 0.16    | 190 | 730,520.24      | 2,153,241.82 |
| 190                                   | 191 | N42°30'37.61"O | 0.16    | 191 | 730,520.13      | 2,153,241.94 |
| 191                                   | 192 | N21°48'05.07"O | 0.16    | 192 | 730,520.07      | 2,153,242.09 |
| 192                                   | 193 | N00°00'00.00"  | 0.24    | 193 | 730,520.07      | 2,153,242.33 |
| 193                                   | 194 | N27°38'45.51"E | 0.24    | 194 | 730,520.18      | 2,153,242.54 |
| 194                                   | 195 | N41°44'12.48"E | 2297.49 | 195 | 732,049.64      | 2,154,956.95 |
| 195                                   | 196 | N68°11'54.93"E | 0.16    | 196 | 732,049.79      | 2,154,957.01 |
| 196                                   | 197 | N89°38'38.87"E | 0.16    | 197 | 732,049.95      | 2,154,957.01 |
| 197                                   | 198 | S69°42'08.75"E | 0.23    | 198 | 732,050.17      | 2,154,956.93 |
| 198                                   | 199 | S56°39'12.08"E | 265.14  | 199 | 732,271.66      | 2,154,811.18 |
| 199                                   | 200 | S49°11'19.02"E | 165.06  | 200 | 732,396.59      | 2,154,703.30 |
| 200                                   | 201 | S39°17'21.86"E | 0.14    | 201 | 732,396.68      | 2,154,703.19 |
| 201                                   | 202 | S38°44'34.76"E | 66.70   | 202 | 732,438.42      | 2,154,651.17 |
| 202                                   | 203 | S28°12'01.57"E | 85.87   | 203 | 732,479.00      | 2,154,575.49 |
| 203                                   | 204 | S23°11'54.93"E | 0.15    | 204 | 732,479.06      | 2,154,575.35 |
| 204                                   | 205 | S07°07'30.06"E | 0.16    | 205 | 732,479.08      | 2,154,575.19 |
| 205                                   | 206 | S19°10'44.43"O | 0.24    | 206 | 732,479.00      | 2,154,574.96 |
| 206                                   | 207 | S53°34'54.83"O | 48.19   | 207 | 732,440.22      | 2,154,546.35 |
| 207                                   | 208 | S21°48'05.07"O | 22.56   | 208 | 732,431.84      | 2,154,525.40 |
| 208                                   | 209 | S14°01'44.84"E | 19.51   | 209 | 732,436.57      | 2,154,506.47 |
| 209                                   | 210 | S06°55'10.32"E | 47.73   | 210 | 732,442.32      | 2,154,459.09 |
| 210                                   | 211 | S17°55'18.15"E | 74.84   | 211 | 732,465.35      | 2,154,387.88 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IIIA1 |     |                |       |     |                 |              |
|---------------------------------------|-----|----------------|-------|-----|-----------------|--------------|
| LADO                                  |     | RUMBO          | DIST. | V   | COORDENADAS UTM |              |
| EST                                   | PV  |                |       |     | X               | Y            |
| 211                                   | 212 | S12°02'31.24"E | 92.56 | 212 | 732,484.66      | 2,154,297.36 |
| 212                                   | 213 | S27°23'24.35"E | 18.32 | 213 | 732,493.09      | 2,154,281.09 |
| 213                                   | 214 | S43°26'50.65"E | 49.32 | 214 | 732,527.01      | 2,154,245.28 |
| 214                                   | 215 | S34°09'25.71"E | 13.27 | 215 | 732,534.46      | 2,154,234.30 |
| 215                                   | 216 | S26°50'33.11"O | 60.95 | 216 | 732,506.94      | 2,154,179.92 |
| 216                                   | 217 | N43°42'09.72"O | 11.87 | 217 | 732,498.74      | 2,154,188.50 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IIIA1 |     |                |       |     |                 |              |
|---------------------------------------|-----|----------------|-------|-----|-----------------|--------------|
| LADO                                  |     | RUMBO          | DIST. | V   | COORDENADAS UTM |              |
| EST                                   | PV  |                |       |     | X               | Y            |
| 217                                   | 218 | N88°40'25.70"O | 37.59 | 218 | 732,461.16      | 2,154,189.37 |
| 218                                   | 219 | N36°06'23.48"O | 35.13 | 219 | 732,440.46      | 2,154,217.75 |
| 219                                   | 220 | N07°49'34.98"O | 21.08 | 220 | 732,437.59      | 2,154,238.63 |
| 220                                   | 221 | N32°59'38.16"O | 26.48 | 221 | 732,423.17      | 2,154,260.84 |
| 221                                   | 222 | N70°34'10.32"O | 26.57 | 222 | 732,398.11      | 2,154,269.68 |
| 222                                   | 223 | N85°05'22.68"O | 18.81 | 223 | 732,379.37      | 2,154,271.29 |
| 223                                   | 90  | S77°23'30.07"O | 25.01 | 90  | 732,354.96      | 2,154,265.83 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IIIA2 |     |                |       |    |                 |              |
|---------------------------------------|-----|----------------|-------|----|-----------------|--------------|
| LADO                                  |     | RUMBO          | DIST. | V  | COORDENADAS UTM |              |
| EST                                   | PV  |                |       |    | X               | Y            |
|                                       |     |                |       | 22 | 731,668.3       | 2,155,325.95 |
|                                       |     |                |       | 5  | 20              | 0            |
| 225                                   | 226 | N08°43'15.32"E | 41.42 | 22 | 731,674.6       | 2,155,366.89 |
|                                       |     |                |       | 6  | 00              | 0            |
| 226                                   | 227 | N39°08'14.49"E | 92.00 | 22 | 731,732.6       | 2,155,438.25 |
|                                       |     |                |       | 7  | 70              | 0            |
| 227                                   | 228 | N52°14'21.82"E | 242.5 | 22 | 731,924.4       | 2,155,586.76 |
|                                       |     |                |       | 8  | 00              | 0            |
| 228                                   | 229 | S57°38'25.6    | 93.29 | 22 | 732,003.2       | 2,155,536.83 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IIIA2 |     |                |       |    |                 |              |
|---------------------------------------|-----|----------------|-------|----|-----------------|--------------|
| LADO                                  |     | RUMBO          | DIST. | V  | COORDENADAS UTM |              |
| EST                                   | PV  |                |       |    | X               | Y            |
|                                       |     | 2"E            |       | 9  | 00              | 0            |
| 229                                   | 230 | S82°14'05.40"E | 0.22  | 23 | 732,003.4       | 2,155,536.80 |
|                                       |     |                |       | 0  | 20              | 0            |
| 230                                   | 231 | S61°47'58.10"E | 465.3 | 23 | 732,413.5       | 2,155,316.88 |
|                                       |     |                | 8     | 1  | 60              | 0            |
| 231                                   | 232 | S50°13'17.30"O | 493.7 | 23 | 732,034.1       | 2,155,001.00 |
|                                       |     |                | 0     | 2  | 40              | 0            |
| 232                                   | 225 | N48°23'09.62"O | 489.3 | 22 | 731,668.3       | 2,155,325.95 |
|                                       |     |                | 0     | 5  | 20              | 0            |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IIIB |    |                |        |    |                 |             |
|--------------------------------------|----|----------------|--------|----|-----------------|-------------|
| LADO                                 |    | RUMBO          | DIST.  | V  | COORDENADAS UTM |             |
| EST                                  | PV |                |        |    | X               | Y           |
|                                      |    |                |        | 1  | 735,657.5       | 2,153,043.4 |
|                                      |    |                |        | 4  | 5               |             |
| 1                                    | 2  | S14°16'05.11"O | 582.00 | 2  | 735,514.1       | 2,152,479.4 |
|                                      |    |                |        | 0  | 0               |             |
| 2                                    | 3  | S71°33'45.82"E | 467.93 | 3  | 735,958.0       | 2,152,331.4 |
|                                      |    |                |        | 1  | 1               |             |
| 3                                    | 4  | S42°30'37.61"E | 0.16   | 4  | 735,958.1       | 2,152,331.2 |
|                                      |    |                |        | 2  | 9               |             |
| 4                                    | 5  | S16°54'39.82"E | 333.19 | 5  | 736,055.0       | 2,152,012.5 |
|                                      |    |                |        | 4  | 1               |             |
| 5                                    | 6  | S82°32'44.96"E | 219.14 | 6  | 736,272.3       | 2,151,984.0 |
|                                      |    |                |        | 3  | 8               |             |
| 6                                    | 7  | S54°27'44.36"E | 0.17   | 7  | 736,272.4       | 2,151,983.9 |
|                                      |    |                |        | 7  | 8               |             |
| 7                                    | 8  | S24°44'29.33"E | 103.43 | 8  | 736,315.7       | 2,151,890.0 |
|                                      |    |                |        | 6  | 4               |             |
| 8                                    | 9  | S47°32'40.88"E | 78.52  | 9  | 736,373.6       | 2,151,837.0 |
|                                      |    |                |        | 9  | 4               |             |
| 9                                    | 10 | S68°32'19.67"E | 192.34 | 10 | 736,552.6       | 2,151,766.6 |
|                                      |    |                |        | 9  | 7               |             |
| 10                                   | 11 | S85°43'37.28"E | 132.47 | 11 | 736,684.7       | 2,151,756.8 |
|                                      |    |                |        | 9  | 0               |             |
| 11                                   | 12 | S73°04'20.95"E | 0.24   | 12 | 736,685.0       | 2,151,756.7 |
|                                      |    |                |        | 2  | 3               |             |
| 12                                   | 13 | S41°07'30.82"E | 193.58 | 13 | 736,812.3       | 2,151,610.9 |
|                                      |    |                |        | 4  | 1               |             |
| 13                                   | 14 | S63°26'13.25"E | 124.16 | 14 | 736,923.3       | 2,151,555.3 |
|                                      |    |                |        | 9  | 9               |             |
| 14                                   | 15 | S77°20'52.56"E | 186.05 | 15 | 737,104.9       | 2,151,514.6 |
|                                      |    |                |        | 2  | 4               |             |
| 15                                   | 16 | S86°10'32.88"E | 105.40 | 16 | 737,210.0       | 2,151,507.6 |
|                                      |    |                |        | 9  | 1               |             |
| 16                                   | 17 | S69°26'38.24"E | 0.26   | 17 | 737,210.3       | 2,151,507.5 |
|                                      |    |                |        | 3  | 2               |             |
| 17                                   | 18 | S49°45'49.11"E | 0.17   | 18 | 737,210.4       | 2,151,507.4 |
|                                      |    |                |        | 6  | 1               |             |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IIIB |    |                |        |    |                 |             |
|--------------------------------------|----|----------------|--------|----|-----------------|-------------|
| LADO                                 |    | RUMBO          | DIST.  | V  | COORDENADAS UTM |             |
| EST                                  | PV |                |        |    | X               | Y           |
| 18                                   | 19 | S20°33'21.76"E | 0.26   | 19 | 737,210.5       | 2,151,507.1 |
|                                      |    |                |        | 5  | 7               |             |
| 19                                   | 20 | S06°34'55.00"O | 0.26   | 20 | 737,210.5       | 2,151,506.9 |
|                                      |    |                |        | 0  | 2               |             |
| 20                                   | 21 | S22°44'32.26"O | 528.11 | 21 | 737,006.3       | 2,151,019.8 |
|                                      |    |                |        | 0  | 6               |             |
| 21                                   | 22 | S37°52'29.94"O | 0.23   | 22 | 737,006.2       | 2,151,019.6 |
|                                      |    |                |        | 0  | 2               |             |
| 22                                   | 23 | S55°18'17.45"O | 0.16   | 23 | 737,006.0       | 2,151,019.5 |
|                                      |    |                |        | 9  | 9               |             |
| 23                                   | 24 | S78°41'24.24"O | 0.15   | 24 | 737,005.9       | 2,151,019.5 |
|                                      |    |                |        | 4  | 6               |             |
| 24                                   | 25 | N86°28'42.77"O | 0.65   | 25 | 737,005.2       | 2,151,019.6 |
|                                      |    |                |        | 9  | 0               |             |
| 25                                   | 26 | N74°03'16.57"O | 0.22   | 26 | 737,005.0       | 2,151,019.6 |
|                                      |    |                |        | 8  | 6               |             |
| 26                                   | 27 | N46°50'51.40"O | 0.22   | 27 | 737,004.9       | 2,151,019.8 |
|                                      |    |                |        | 2  | 1               |             |
| 27                                   | 28 | N34°42'47.72"O | 486.45 | 28 | 736,727.9       | 2,151,419.6 |
|                                      |    |                |        | 0  | 8               |             |
| 28                                   | 29 | N81°34'22.91"O | 0.27   | 29 | 736,727.6       | 2,151,419.7 |
|                                      |    |                |        | 3  | 2               |             |
| 29                                   | 30 | N57°43'27.68"O | 0.22   | 30 | 736,727.4       | 2,151,419.8 |
|                                      |    |                |        | 4  | 4               |             |
| 30                                   | 31 | N34°44'35.45"O | 3.02   | 31 | 736,725.7       | 2,151,422.3 |
|                                      |    |                |        | 2  | 2               |             |
| 31                                   | 32 | N85°34'55.71"O | 371.67 | 32 | 736,355.1       | 2,151,450.9 |
|                                      |    |                |        | 5  | 5               |             |
| 32                                   | 33 | N71°33'54.18"O | 0.25   | 33 | 736,354.9       | 2,151,451.0 |
|                                      |    |                |        | 1  | 3               |             |
| 33                                   | 34 | N41°49'12.61"O | 0.25   | 34 | 736,354.7       | 2,151,451.2 |
|                                      |    |                |        | 4  | 2               |             |
| 34                                   | 35 | N27°27'53.49"O | 254.88 | 35 | 736,237.1       | 2,151,677.3 |
|                                      |    |                |        | 9  | 7               |             |
| 35                                   | 36 | N69°17'42.18"O | 226.98 | 36 | 736,024.8       | 2,151,757.6 |
|                                      |    |                |        | 7  | 2               |             |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IIIB |    |                     |        |    |                 |                  |
|--------------------------------------|----|---------------------|--------|----|-----------------|------------------|
| LADO<br>EST                          | PV | RUMBO               | DIST.  | V  | COORDENADAS UTM |                  |
|                                      |    |                     |        |    | X               | Y                |
| 36                                   | 37 | N42°53'47.51"<br>'O | 707.80 | 37 | 735,543.0<br>9  | 2,152,276.1<br>4 |
| 37                                   | 38 | N75°27'55.96"<br>'O | 0.56   | 38 | 735,542.5<br>5  | 2,152,276.2<br>8 |
| 38                                   | 39 | N53°58'21.46"<br>'O | 0.27   | 39 | 735,542.3<br>3  | 2,152,276.4<br>4 |
| 39                                   | 40 | N75°54'04.01"<br>'O | 283.95 | 40 | 735,266.9<br>3  | 2,152,345.6<br>1 |
| 40                                   | 41 | S55°58'18.76"<br>'O | 178.63 | 41 | 735,118.8<br>9  | 2,152,245.6<br>5 |
| 41                                   | 42 | N34°02'00.91"<br>'O | 253.50 | 42 | 734,977.0<br>1  | 2,152,455.7<br>3 |
| 42                                   | 43 | S86°38'00.74"<br>'O | 0.17   | 43 | 734,976.8<br>4  | 2,152,455.7<br>2 |
| 43                                   | 44 | S38°58'53.18"<br>'O | 277.38 | 44 | 734,802.3<br>5  | 2,152,240.1<br>0 |
| 44                                   | 45 | S55°00'28.73"<br>'O | 0.24   | 45 | 734,802.1<br>5  | 2,152,239.9<br>6 |
| 45                                   | 46 | S80°32'15.64"<br>'O | 0.24   | 46 | 734,801.9<br>1  | 2,152,239.9<br>2 |
| 46                                   | 47 | N75°57'49.52"<br>'O | 0.16   | 47 | 734,801.7<br>5  | 2,152,239.9<br>6 |
| 47                                   | 48 | N49°53'56.73"<br>'O | 0.25   | 48 | 734,801.5<br>6  | 2,152,240.1<br>2 |
| 48                                   | 49 | N24°26'38.24"<br>'O | 0.24   | 49 | 734,801.4<br>6  | 2,152,240.3<br>4 |
| 49                                   | 50 | N10°16'07.16"<br>'E | 338.43 | 50 | 734,861.7<br>9  | 2,152,573.3<br>5 |
| 50                                   | 51 | N16°19'37.87"<br>'O | 283.65 | 51 | 734,782.0<br>5  | 2,152,845.5<br>6 |
| 51                                   | 52 | N75°28'50.32"<br>'O | 201.35 | 52 | 734,587.1<br>3  | 2,152,896.0<br>4 |
| 52                                   | 53 | N57°15'53.19"<br>'O | 0.17   | 53 | 734,586.9<br>9  | 2,152,896.1<br>3 |
| 53                                   | 54 | N35°32'15.64"<br>'O | 0.17   | 54 | 734,586.8<br>9  | 2,152,896.2<br>7 |
| 54                                   | 55 | N14°02'10.48"<br>'O | 0.25   | 55 | 734,586.8<br>3  | 2,152,896.5<br>1 |
| 55                                   | 56 | N01°22'29.41"<br>'E | 22.51  | 56 | 734,587.3<br>7  | 2,152,919.0<br>1 |
| 56                                   | 57 | N66°30'13.38"<br>'O | 80.11  | 57 | 734,513.9<br>0  | 2,152,950.9<br>5 |
| 57                                   | 58 | S73°18'02.72"<br>'O | 41.76  | 58 | 734,473.9<br>0  | 2,152,938.9<br>5 |
| 58                                   | 59 | S85°01'48.93"<br>'O | 0.23   | 59 | 734,473.6<br>7  | 2,152,938.9<br>3 |
| 59                                   | 60 | N70°20'46.23"<br>'O | 0.15   | 60 | 734,473.5<br>3  | 2,152,938.9<br>8 |
| 60                                   | 61 | N54°58'21.00"<br>'O | 198.4  | 61 | 734,457.2<br>8  | 2,152,950.3<br>7 |
| 61                                   | 62 | N28°18'02.72"<br>'O | 0.15   | 62 | 734,457.2<br>1  | 2,152,950.5<br>0 |
| 62                                   | 63 | N11°53'19.17"<br>'O | 15.73  | 63 | 734,453.9<br>7  | 2,152,965.8<br>9 |
| 63                                   | 64 | N00°01'17.60"<br>'O | 26.58  | 64 | 734,453.9<br>6  | 2,152,992.4<br>7 |
| 64                                   | 65 | N14°02'10.48"<br>'E | 0.21   | 65 | 734,454.0<br>1  | 2,152,992.6<br>7 |
| 65                                   | 66 | N40°11'43.89"<br>'E | 41.20  | 66 | 734,480.6<br>0  | 2,153,024.1<br>4 |
| 66                                   | 67 | N54°09'44.45"<br>'E | 0.22   | 67 | 734,480.7<br>8  | 2,153,024.2<br>7 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IIIB |    |                     |        |    |                 |                  |
|--------------------------------------|----|---------------------|--------|----|-----------------|------------------|
| LADO<br>EST                          | PV | RUMBO               | DIST.  | V  | COORDENADAS UTM |                  |
|                                      |    |                     |        |    | X               | Y                |
| 67                                   | 68 | N73°33'05.01"<br>'E | 139.04 | 68 | 734,614.1<br>3  | 2,153,063.6<br>4 |
| 68                                   | 69 | N43°34'45.17"<br>'E | 102.95 | 69 | 734,685.1<br>0  | 2,153,138.2<br>2 |
| 69                                   | 70 | N22°32'03.28"<br>'E | 62.29  | 70 | 734,708.9<br>7  | 2,153,195.7<br>5 |
| 70                                   | 71 | N34°59'31.27"<br>'E | 0.24   | 71 | 734,709.1<br>1  | 2,153,195.9<br>5 |
| 71                                   | 72 | N63°26'05.82"<br>'E | 0.25   | 72 | 734,709.3<br>3  | 2,153,196.0<br>6 |
| 72                                   | 73 | N89°38'30.86"<br>'E | 0.16   | 73 | 734,709.4<br>9  | 2,153,196.0<br>6 |
| 73                                   | 74 | S66°28'35.30"<br>'E | 281.24 | 74 | 734,967.3<br>6  | 2,153,083.8<br>1 |
| 74                                   | 75 | N20°59'03.65"<br>'E | 79.70  | 75 | 734,995.9<br>0  | 2,153,158.2<br>2 |
| 75                                   | 76 | N20°07'25.77"<br>'E | 33.05  | 76 | 735,007.2<br>7  | 2,153,189.2<br>5 |
| 76                                   | 77 | N11°23'32.03"<br>'E | 87.38  | 77 | 735,024.5<br>3  | 2,153,274.9<br>1 |
| 77                                   | 78 | N30°05'49.62"<br>'E | 27.44  | 78 | 735,038.2<br>9  | 2,153,298.6<br>5 |
| 78                                   | 79 | S67°44'42.28"<br>'E | 167.51 | 79 | 735,193.3<br>2  | 2,153,235.2<br>1 |
| 79                                   | 80 | S33°24'01.89"<br>'O | 420.95 | 80 | 734,961.5<br>9  | 2,152,883.7<br>8 |
| 80                                   | 81 | S32°40'38.32"<br>'O | 70.14  | 81 | 734,923.7<br>2  | 2,152,824.7<br>4 |
| 81                                   | 82 | S12°29'10.22"<br>'O | 51.02  | 82 | 734,912.6<br>9  | 2,152,774.9<br>3 |
| 82                                   | 83 | S14°56'06.20"<br>'E | 50.71  | 83 | 734,925.7<br>6  | 2,152,725.9<br>3 |
| 83                                   | 84 | S89°22'52.84"<br>'E | 37.97  | 84 | 734,963.7<br>3  | 2,152,725.5<br>2 |
| 84                                   | 85 | N41°28'39.77"<br>'E | 164.59 | 85 | 735,072.7<br>4  | 2,152,848.8<br>3 |
| 85                                   | 86 | S74°51'44.18"<br>'E | 35.96  | 86 | 735,107.4<br>5  | 2,152,839.4<br>4 |
| 86                                   | 87 | S82°02'20.30"<br>'E | 38.34  | 87 | 735,145.4<br>2  | 2,152,834.1<br>3 |
| 87                                   | 88 | N27°24'27.79"<br>'E | 390.45 | 88 | 735,325.1<br>5  | 2,153,180.7<br>5 |
| 88                                   | 1  | S67°33'21.59"<br>'E | 359.63 | 1  | 735,657.5<br>4  | 2,153,043.4<br>5 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVA |     |                |        |     |                 |              |
|-------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                                |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| ES                                  | PV  |                |        |     | X               | Y            |
|                                     |     |                |        | 389 | 719,447.65      | 2,158,267.03 |
| 389                                 | 390 | S34°13'48.11"O | 238.09 | 390 | 719,313.72      | 2,158,070.18 |
| 390                                 | 391 | S27°58'26.32"O | 92.03  | 391 | 719,270.55      | 2,157,988.90 |
| 391                                 | 392 | S79°35'54.76"O | 79.04  | 392 | 719,192.81      | 2,157,974.63 |
| 392                                 | 393 | S66°53'10.51"O | 139.22 | 393 | 719,064.77      | 2,157,919.98 |
| 393                                 | 394 | S20°24'22.62"O | 83.29  | 394 | 719,035.73      | 2,157,841.92 |
| 394                                 | 395 | S13°54'33.54"E | 24.09  | 395 | 719,041.52      | 2,157,818.54 |
| 395                                 | 396 | S29°00'45.21"E | 47.65  | 396 | 719,064.63      | 2,157,776.87 |
| 396                                 | 397 | S01°32'14.76"E | 79.39  | 397 | 719,066.76      | 2,157,697.51 |
| 397                                 | 398 | S10°40'23.16"O | 130.40 | 398 | 719,042.61      | 2,157,569.37 |
| 398                                 | 399 | S18°26'05.82"O | 0.16   | 399 | 719,042.56      | 2,157,569.22 |
| 399                                 | 400 | S36°52'11.63"O | 0.15   | 400 | 719,042.47      | 2,157,569.10 |
| 400                                 | 401 | S12°30'40.16"O | 66.89  | 401 | 719,027.98      | 2,157,503.80 |
| 401                                 | 402 | N68°14'05.83"O | 58.52  | 402 | 718,973.63      | 2,157,525.50 |
| 402                                 | 403 | S20°23'20.99"O | 155.51 | 403 | 718,919.45      | 2,157,379.73 |
| 403                                 | 404 | N71°43'39.51"O | 36.77  | 404 | 718,884.53      | 2,157,391.26 |
| 404                                 | 405 | S23°41'45.42"O | 78.36  | 405 | 718,853.04      | 2,157,319.51 |
| 405                                 | 406 | S71°47'51.31"E | 41.30  | 406 | 718,892.27      | 2,157,306.61 |
| 406                                 | 407 | S29°01'15.62"O | 178.88 | 407 | 718,805.49      | 2,157,150.19 |
| 407                                 | 408 | S66°56'20.61"E | 36.07  | 408 | 718,838.68      | 2,157,136.06 |
| 408                                 | 409 | S21°18'40.90"O | 25.84  | 409 | 718,829.29      | 2,157,111.99 |
| 409                                 | 410 | S61°46'00.08"E | 31.64  | 410 | 718,857.17      | 2,157,097.02 |
| 410                                 | 411 | N26°52'22.04"E | 27.48  | 411 | 718,869.59      | 2,157,121.53 |
| 411                                 | 412 | S64°49'39.85"E | 36.98  | 412 | 718,903.06      | 2,157,105.80 |
| 412                                 | 413 | N43°40'40.34"E | 102.66 | 413 | 718,973.96      | 2,157,180.05 |
| 413                                 | 414 | S75°19'51.37"E | 18.01  | 414 | 718,991.38      | 2,157,175.49 |
| 414                                 | 415 | N26°34'10.83"E | 55.40  | 415 | 719,016.16      | 2,157,225.04 |
| 415                                 | 416 | N54°46'35.14"E | 32.23  | 416 | 719,042.49      | 2,157,243.63 |
| 416                                 | 417 | N02°43'12.12"E | 43.41  | 417 | 719,044.55      | 2,157,286.99 |
| 417                                 | 418 | N83°22'15.74"E | 22.35  | 418 | 719,066.75      | 2,157,289.57 |
| 418                                 | 419 | N18°25'43.62"E | 29.39  | 419 | 719,076.04      | 2,157,317.45 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVA |     |                |        |     |                 |              |
|-------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                                |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| ES                                  | PV  |                |        |     | X               | Y            |
| 419                                 | 420 | N67°13'11.03"O | 19.78  | 420 | 719,057.80      | 2,157,325.11 |
| 420                                 | 421 | N06°04'17.35"E | 49.92  | 421 | 719,063.08      | 2,157,374.75 |
| 421                                 | 422 | N22°05'43.60"E | 112.53 | 422 | 719,105.41      | 2,157,479.02 |
| 422                                 | 423 | N69°40'21.82"O | 57.75  | 423 | 719,051.26      | 2,157,499.08 |
| 423                                 | 424 | N09°22'38.54"E | 215.11 | 424 | 719,086.31      | 2,157,711.32 |
| 424                                 | 425 | N01°37'58.10"O | 108.44 | 425 | 719,083.22      | 2,157,819.72 |
| 425                                 | 426 | N23°09'42.96"E | 112.86 | 426 | 719,127.61      | 2,157,923.48 |
| 426                                 | 427 | N76°32'08.06"E | 111.06 | 427 | 719,235.62      | 2,157,949.34 |
| 427                                 | 428 | N62°48'11.20"E | 62.86  | 428 | 719,291.53      | 2,157,978.07 |
| 428                                 | 429 | S34°45'50.50"O | 42.62  | 429 | 719,315.83      | 2,157,943.06 |
| 429                                 | 430 | N52°39'25.05"E | 49.41  | 430 | 719,355.11      | 2,157,973.03 |
| 430                                 | 431 | N65°56'23.70"O | 51.26  | 431 | 719,308.30      | 2,157,993.93 |
| 431                                 | 432 | N16°41'23.90"E | 41.44  | 432 | 719,320.20      | 2,158,033.62 |
| 432                                 | 433 | N35°41'04.16"E | 63.52  | 433 | 719,357.25      | 2,158,085.21 |
| 433                                 | 434 | S85°17'04.03"E | 44.52  | 434 | 719,401.62      | 2,158,081.55 |
| 434                                 | 435 | S71°04'37.11"E | 38.24  | 435 | 719,437.79      | 2,158,069.15 |
| 435                                 | 436 | N10°29'53.14"E | 28.37  | 436 | 719,442.96      | 2,158,097.05 |
| 436                                 | 437 | N24°27'29.99"O | 89.05  | 437 | 719,406.09      | 2,158,178.11 |
| 437                                 | 438 | N21°47'44.67"E | 18.77  | 438 | 719,413.06      | 2,158,195.54 |
| 438                                 | 439 | N86°55'15.75"E | 106.49 | 439 | 719,519.40      | 2,158,201.26 |
| 439                                 | 440 | S58°28'20.57"E | 63.43  | 440 | 719,573.47      | 2,158,168.09 |
| 440                                 | 441 | N01°57'23.72"E | 89.33  | 441 | 719,576.52      | 2,158,257.37 |
| 441                                 | 442 | S80°37'22.58"E | 55.24  | 442 | 719,631.02      | 2,158,248.37 |
| 442                                 | 443 | S07°05'33.96"O | 83.74  | 443 | 719,620.68      | 2,158,165.27 |
| 443                                 | 444 | S88°36'03.03"E | 84.78  | 444 | 719,705.43      | 2,158,163.20 |
| 444                                 | 445 | N08°12'37.26"E | 214.06 | 445 | 719,736.00      | 2,158,375.07 |
| 445                                 | 446 | N29°45'11.42"O | 42.86  | 446 | 719,714.73      | 2,158,412.28 |
| 446                                 | 447 | N01°06'05.15"E | 40.06  | 447 | 719,715.50      | 2,158,452.33 |
| 447                                 | 448 | N68°54'36.97"E | 20.48  | 448 | 719,734.61      | 2,158,459.70 |
| 448                                 | 449 | S76°37'36.71"E | 32.90  | 449 | 719,766.62      | 2,158,452.09 |
| 449                                 | 450 | S73°25'29.55"E | 52.62  | 450 | 719,817.05      | 2,158,437.08 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVA |     |                |        |     |                 |              |  |
|-------------------------------------|-----|----------------|--------|-----|-----------------|--------------|--|
| LADO                                |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |  |
| ES                                  | PV  |                |        |     | X               | Y            |  |
| 450                                 | 451 | S17°06'56.58"O | 42.17  |     | 719,804.64      | 2,158,396.78 |  |
| 451                                 | 452 | S62°05'40.16"E | 39.76  | 452 | 719,839.78      | 2,158,378.17 |  |
| 452                                 | 453 | N83°39'10.98"E | 18.72  | 453 | 719,858.39      | 2,158,380.24 |  |
| 453                                 | 454 | N35°21'53.15"E | 39.29  | 454 | 719,881.13      | 2,158,412.28 |  |
| 454                                 | 455 | S82°22'39.86"E | 148.07 | 455 | 720,027.89      | 2,158,392.64 |  |
| 455                                 | 456 | S69°05'19.20"E | 104.00 | 456 | 720,125.04      | 2,158,355.52 |  |
| 456                                 | 457 | S32°04'41.48"O | 52.55  | 457 | 720,097.13      | 2,158,310.99 |  |
| 457                                 | 458 | S57°16'14.80"E | 34.40  | 458 | 720,126.07      | 2,158,292.39 |  |
| 458                                 | 459 | N31°21'25.15"E | 77.46  | 459 | 720,166.38      | 2,158,358.54 |  |
| 459                                 | 460 | N77°19'17.74"E | 42.37  | 460 | 720,207.72      | 2,158,367.84 |  |
| 460                                 | 461 | N85°39'26.80"E | 63.39  | 461 | 720,270.93      | 2,158,372.64 |  |
| 461                                 | 462 | S54°10'36.30"E | 78.83  | 462 | 720,334.85      | 2,158,326.50 |  |
| 462                                 | 463 | S41°37'47.22"E | 38.01  | 463 | 720,360.10      | 2,158,298.09 |  |
| 463                                 | 464 | S10°43'25.23"E | 60.57  | 464 | 720,371.37      | 2,158,238.58 |  |
| 464                                 | 465 | S08°09'40.71"O | 111.65 | 465 | 720,355.52      | 2,158,128.06 |  |
| 465                                 | 466 | S33°56'03.95"O | 42.92  | 466 | 720,331.56      | 2,158,092.45 |  |
| 466                                 | 467 | S35°07'47.59"O | 24.17  | 467 | 720,317.65      | 2,158,072.68 |  |
| 467                                 | 468 | S43°49'16.00"O | 25.43  | 468 | 720,300.04      | 2,158,054.33 |  |
| 468                                 | 469 | S48°35'21.54"O | 33.09  | 469 | 720,275.22      | 2,158,032.44 |  |
| 469                                 | 470 | S38°38'53.77"O | 23.27  | 470 | 720,260.69      | 2,158,014.27 |  |
| 470                                 | 471 | S18°35'08.47"O | 104.57 | 471 | 720,227.36      | 2,157,915.15 |  |
| 471                                 | 472 | S03°28'23.89"O | 68.34  | 472 | 720,223.22      | 2,157,846.94 |  |
| 472                                 | 473 | N86°10'46.00"O | 194.05 | 473 | 720,029.60      | 2,157,859.87 |  |
| 473                                 | 474 | S40°46'17.76"O | 58.02  | 474 | 719,991.71      | 2,157,815.93 |  |
| 474                                 | 475 | S39°16'52.22"O | 29.38  | 475 | 719,973.11      | 2,157,793.19 |  |
| 475                                 | 476 | S23°30'08.59"O | 77.76  | 476 | 719,942.10      | 2,157,721.88 |  |
| 476                                 | 477 | S64°15'52.04"E | 64.25  | 477 | 719,999.98      | 2,157,693.98 |  |
| 477                                 | 478 | S84°17'21.86"O | 31.15  | 478 | 719,968.98      | 2,157,690.88 |  |
| 478                                 | 479 | S43°57'43.33"O | 40.21  | 479 | 719,941.07      | 2,157,661.94 |  |
| 479                                 | 480 | S20°08'08.74"O | 33.03  | 480 | 719,929.70      | 2,157,630.93 |  |
| 480                                 | 481 | S03°52'02.19"O | 76.65  | 481 | 719,924.53      | 2,157,554.45 |  |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVA |     |                |        |     |                 |              |  |
|-------------------------------------|-----|----------------|--------|-----|-----------------|--------------|--|
| LADO                                |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |  |
| ES                                  | PV  |                |        |     | X               | Y            |  |
| 481                                 | 482 | S77°03'27.72"E | 170.74 | 482 | 720,090.93      | 2,157,516.21 |  |
| 482                                 | 483 | N35°12'02.70"E | 188.00 | 483 | 720,199.30      | 2,157,669.83 |  |
| 483                                 | 484 | S66°17'31.87"E | 91.60  | 484 | 720,283.17      | 2,157,633.00 |  |
| 484                                 | 485 | N71°18'50.51"E | 69.29  | 485 | 720,348.81      | 2,157,655.20 |  |
| 485                                 | 486 | S78°40'31.98"E | 54.18  | 486 | 720,401.94      | 2,157,644.56 |  |
| 486                                 | 487 | S49°45'49.11"E | 0.17   | 487 | 720,402.07      | 2,157,644.45 |  |
| 487                                 | 488 | S30°57'49.52"E | 0.17   | 488 | 720,402.16      | 2,157,644.30 |  |
| 488                                 | 489 | S10°00'28.73"E | 0.17   | 489 | 720,402.19      | 2,157,644.13 |  |
| 489                                 | 490 | S00°56'03.25"E | 20.85  | 490 | 720,402.53      | 2,157,623.28 |  |
| 490                                 | 491 | S02°07'25.93"O | 22.94  | 491 | 720,401.68      | 2,157,600.36 |  |
| 491                                 | 492 | S06°55'58.23"O | 25.52  | 492 | 720,398.60      | 2,157,575.03 |  |
| 492                                 | 493 | S11°46'54.23"O | 17.39  | 493 | 720,395.05      | 2,157,558.01 |  |
| 493                                 | 494 | S24°53'20.17"O | 3.52   | 494 | 720,393.57      | 2,157,554.82 |  |
| 494                                 | 495 | S36°11'16.21"O | 4.20   | 495 | 720,391.09      | 2,157,551.43 |  |
| 495                                 | 496 | S57°43'27.68"O | 0.22   | 496 | 720,390.90      | 2,157,551.31 |  |
| 496                                 | 497 | S71°36'34.95"O | 4.06   | 497 | 720,387.05      | 2,157,550.03 |  |
| 497                                 | 498 | N88°10'01.78"O | 26.26  | 498 | 720,360.80      | 2,157,550.87 |  |
| 498                                 | 499 | S19°00'12.87"O | 92.41  | 499 | 720,330.71      | 2,157,463.50 |  |
| 499                                 | 500 | S84°26'22.33"O | 117.34 | 500 | 720,213.92      | 2,157,452.13 |  |
| 500                                 | 501 | S24°32'50.70"O | 135.66 | 501 | 720,157.56      | 2,157,328.73 |  |
| 501                                 | 502 | S49°01'17.60"E | 50.92  | 502 | 720,196.00      | 2,157,295.34 |  |
| 502                                 | 503 | S54°15'51.14"E | 53.45  | 503 | 720,239.39      | 2,157,264.12 |  |
| 503                                 | 504 | S61°45'04.59"E | 82.04  | 504 | 720,311.66      | 2,157,225.29 |  |
| 504                                 | 505 | S65°41'21.40"E | 16.37  | 505 | 720,326.58      | 2,157,218.55 |  |
| 505                                 | 506 | N36°52'11.63"E | 15.50  | 506 | 720,335.88      | 2,157,230.95 |  |
| 506                                 | 507 | S69°32'48.24"E | 48.93  | 507 | 720,381.73      | 2,157,213.85 |  |
| 507                                 | 508 | S65°41'46.06"E | 149.28 | 508 | 720,517.78      | 2,157,152.41 |  |
| 508                                 | 509 | N11°36'03.68"E | 22.78  | 509 | 720,522.36      | 2,157,174.72 |  |
| 509                                 | 510 | N16°48'43.02"O | 105.18 | 510 | 720,491.94      | 2,157,275.40 |  |
| 510                                 | 511 | N75°26'23.32"E | 82.22  | 511 | 720,571.52      | 2,157,296.07 |  |
| 511                                 | 512 | S15°56'38.05"E | 52.68  | 512 | 720,585.99      | 2,157,245.42 |  |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVA |     |                |        |     |                 |              |
|-------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| ES<br>T                             | PV  | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
|                                     |     |                |        |     | X               | Y            |
| 512                                 | 513 | N76°28'58.03"E | 66.40  | 513 | 720,650.55      | 2,157,260.94 |
| 513                                 | 514 | N73°16'22.34"E | 61.01  | 514 | 720,708.98      | 2,157,278.50 |
| 514                                 | 515 | S09°18'26.89"E | 153.90 | 515 | 720,733.87      | 2,157,126.63 |
| 515                                 | 516 | N87°48'03.87"E | 23.98  | 516 | 720,757.83      | 2,157,127.55 |
| 516                                 | 517 | S03°05'04.01"E | 188.26 | 517 | 720,767.96      | 2,156,939.56 |
| 517                                 | 518 | S75°04'00.71"E | 42.92  | 518 | 720,809.43      | 2,156,928.50 |
| 518                                 | 519 | S05°14'19.16"E | 100.87 | 519 | 720,800.22      | 2,156,828.05 |
| 519                                 | 520 | N85°40'47.25"E | 97.97  | 520 | 720,702.53      | 2,156,835.43 |
| 520                                 | 521 | N06°21'10.19"E | 25.03  | 521 | 720,705.30      | 2,156,860.31 |
| 521                                 | 522 | N88°00'40.63"E | 106.04 | 522 | 720,599.32      | 2,156,863.99 |
| 522                                 | 523 | N02°02'29.22"E | 25.83  | 523 | 720,600.24      | 2,156,889.80 |
| 523                                 | 524 | N13°09'52.37"E | 44.48  | 524 | 720,590.11      | 2,156,933.11 |
| 524                                 | 525 | N26°33'54.18"E | 12.37  | 525 | 720,584.58      | 2,156,944.17 |
| 525                                 | 526 | N10°17'23.72"E | 20.60  | 526 | 720,588.26      | 2,156,964.44 |
| 526                                 | 527 | N36°09'33.78"E | 29.68  | 527 | 720,605.77      | 2,156,988.40 |
| 527                                 | 528 | N32°51'15.12"E | 52.66  | 528 | 720,577.20      | 2,157,032.64 |
| 528                                 | 529 | N66°02'03.50"E | 18.14  | 529 | 720,560.62      | 2,157,040.01 |
| 529                                 | 530 | S49°09'05.70"E | 21.88  | 530 | 720,544.07      | 2,157,025.70 |
| 530                                 | 531 | S49°08'29.74"E | 23.20  | 531 | 720,526.52      | 2,157,010.52 |
| 531                                 | 532 | S32°27'36.80"E | 24.04  | 532 | 720,539.42      | 2,156,990.24 |
| 532                                 | 533 | S48°00'33.66"E | 12.39  | 533 | 720,530.21      | 2,156,981.95 |
| 533                                 | 534 | S35°11'25.11"E | 19.17  | 534 | 720,541.26      | 2,156,966.28 |
| 534                                 | 535 | S54°27'54.44"E | 23.78  | 535 | 720,521.91      | 2,156,952.46 |
| 535                                 | 536 | S27°33'43.39"E | 23.90  | 536 | 720,532.97      | 2,156,931.27 |
| 536                                 | 537 | N55°37'14.98"E | 21.22  | 537 | 720,550.48      | 2,156,943.25 |
| 537                                 | 538 | S14°48'59.15"E | 32.42  | 538 | 720,558.77      | 2,156,911.91 |
| 538                                 | 539 | N76°52'09.31"E | 28.39  | 539 | 720,586.42      | 2,156,918.36 |
| 539                                 | 540 | S17°39'04.65"E | 21.27  | 540 | 720,592.87      | 2,156,898.09 |
| 540                                 | 541 | S01°14'35.91"E | 42.40  | 541 | 720,591.95      | 2,156,855.70 |
| 541                                 | 542 | S85°36'30.99"E | 24.03  | 542 | 720,567.99      | 2,156,853.86 |
| 542                                 | 543 | S14°37'11.19"E | 21.91  | 543 | 720,573.52      | 2,156,832.66 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVA |     |                |        |     |                 |              |
|-------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| ES<br>T                             | PV  | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
|                                     |     |                |        |     | X               | Y            |
| 543                                 | 544 | N48°13'20.63"E | 67.05  | 544 | 720,523.52      | 2,156,877.33 |
| 544                                 | 545 | N68°48'13.25"E | 48.18  | 545 | 720,478.60      | 2,156,894.75 |
| 545                                 | 546 | S20°06'42.50"E | 87.10  | 546 | 720,448.65      | 2,156,812.96 |
| 546                                 | 547 | S03°56'50.09"E | 66.97  | 547 | 720,453.26      | 2,156,746.15 |
| 547                                 | 548 | S34°26'24.25"E | 50.00  | 548 | 720,424.98      | 2,156,704.91 |
| 548                                 | 549 | N74°46'49.28"E | 22.66  | 549 | 720,403.11      | 2,156,710.86 |
| 549                                 | 550 | N72°58'30.18"E | 37.91  | 550 | 720,366.86      | 2,156,721.96 |
| 550                                 | 551 | S08°07'00.62"E | 24.43  | 551 | 720,363.41      | 2,156,697.77 |
| 551                                 | 552 | S72°31'02.62"E | 37.48  | 552 | 720,399.16      | 2,156,686.51 |
| 552                                 | 553 | S09°13'10.10"E | 43.44  | 553 | 720,392.20      | 2,156,643.63 |
| 553                                 | 554 | S75°57'14.43"E | 14.26  | 554 | 720,406.03      | 2,156,640.17 |
| 554                                 | 555 | S05°43'07.69"E | 34.72  | 555 | 720,402.57      | 2,156,605.62 |
| 555                                 | 556 | N73°32'37.56"E | 52.84  | 556 | 720,351.89      | 2,156,620.59 |
| 556                                 | 557 | S20°24'36.43"E | 52.85  | 557 | 720,333.46      | 2,156,571.06 |
| 557                                 | 558 | S75°43'36.29"E | 105.54 | 558 | 720,435.74      | 2,156,545.04 |
| 558                                 | 559 | S26°59'30.45"E | 69.05  | 559 | 720,467.08      | 2,156,483.51 |
| 559                                 | 560 | S03°55'27.96"E | 117.77 | 560 | 720,475.14      | 2,156,366.02 |
| 560                                 | 561 | N84°04'57.94"E | 76.15  | 561 | 720,550.88      | 2,156,373.87 |
| 561                                 | 562 | S10°59'12.35"E | 54.94  | 562 | 720,561.35      | 2,156,319.94 |
| 562                                 | 563 | N87°08'33.20"E | 46.14  | 563 | 720,607.43      | 2,156,322.24 |
| 563                                 | 564 | S13°27'29.16"E | 65.14  | 564 | 720,622.59      | 2,156,258.89 |
| 564                                 | 565 | S89°32'44.47"E | 146.29 | 565 | 720,768.88      | 2,156,257.73 |
| 565                                 | 566 | N01°28'51.71"E | 139.29 | 566 | 720,765.28      | 2,156,396.97 |
| 566                                 | 567 | S39°16'25.21"E | 35.86  | 567 | 720,787.98      | 2,156,369.21 |
| 567                                 | 568 | S65°05'20.53"E | 71.89  | 568 | 720,853.18      | 2,156,338.93 |
| 568                                 | 569 | S78°43'35.89"E | 129.06 | 569 | 720,979.75      | 2,156,313.70 |
| 569                                 | 570 | S78°41'23.29"E | 424.59 | 570 | 721,396.09      | 2,156,230.43 |
| 570                                 | 571 | N06°45'13.29"E | 386.22 | 571 | 721,441.51      | 2,156,613.97 |
| 571                                 | 572 | S63°25'54.14"E | 78.99  | 572 | 721,512.16      | 2,156,578.64 |
| 572                                 | 573 | N38°07'47.12"E | 57.40  | 573 | 721,547.60      | 2,156,623.79 |
| 573                                 | 574 | N29°20'41.57"E | 41.22  | 574 | 721,527.40      | 2,156,659.72 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVA |    |             |       |     |                 |              |
|-------------------------------------|----|-------------|-------|-----|-----------------|--------------|
| LADO                                |    | RUMBO       | DIST. | V   | COORDENADAS UTM |              |
| ES                                  | PV |             |       |     | X               | Y            |
| 57                                  | 57 | N67°36'26.1 | 623.2 | 575 | 722,103.68      | 2,156,897.16 |
| 4                                   | 5  | 5"E         |       |     |                 |              |
| 57                                  | 57 | S63°51'43.7 | 216.5 | 576 | 722,298.07      | 2,156,801.77 |
| 5                                   | 6  | 1"E         |       |     |                 |              |
| 57                                  | 57 | S21°26'51.8 | 54.15 | 577 | 722,278.27      | 2,156,751.37 |
| 6                                   | 7  | 5"O         |       |     |                 |              |
| 57                                  | 57 | S68°05'54.6 | 188.1 | 578 | 722,452.86      | 2,156,681.18 |
| 7                                   | 8  | 4"E         |       |     |                 |              |
| 57                                  | 57 | N72°20'19.8 | 58.54 | 579 | 722,508.64      | 2,156,698.94 |
| 8                                   | 9  | 7"E         |       |     |                 |              |
| 57                                  | 58 | N63°47'14.3 | 120.7 | 580 | 722,616.94      | 2,156,752.26 |
| 9                                   | 0  | 2"E         |       |     |                 |              |
| 58                                  | 58 | N69°45'39.6 | 156.3 | 581 | 722,763.59      | 2,156,806.33 |
| 0                                   | 1  | 7"E         |       |     |                 |              |
| 58                                  | 58 | S01°46'28.7 | 126.5 | 582 | 722,767.51      | 2,156,679.81 |
| 1                                   | 2  | 1"E         |       |     |                 |              |
| 58                                  | 58 | S39°26'53.1 | 150.6 | 583 | 722,863.22      | 2,156,563.49 |
| 2                                   | 3  | 9"E         |       |     |                 |              |
| 58                                  | 58 | S11°28'44.1 | 91.76 | 584 | 722,881.48      | 2,156,473.57 |
| 3                                   | 4  | 5"E         |       |     |                 |              |
| 58                                  | 58 | S57°31'50.7 | 158.0 | 585 | 723,014.81      | 2,156,388.73 |
| 4                                   | 5  | 2"E         |       |     |                 |              |
| 58                                  | 58 | S24°00'55.9 | 82.24 | 586 | 723,048.28      | 2,156,313.61 |
| 5                                   | 6  | 6"E         |       |     |                 |              |
| 58                                  | 58 | S02°36'09.2 | 0.22  | 587 | 723,048.29      | 2,156,313.39 |
| 6                                   | 7  | 2"E         |       |     |                 |              |
| 58                                  | 58 | S18°03'39.6 | 64.93 | 588 | 723,028.16      | 2,156,251.66 |
| 7                                   | 8  | 7"O         |       |     |                 |              |
| 58                                  | 58 | N73°15'30.8 | 193.8 | 589 | 722,842.49      | 2,156,307.51 |
| 8                                   | 9  | 9"O         |       |     |                 |              |
| 58                                  | 59 | S18°25'04.2 | 95.36 | 590 | 722,812.36      | 2,156,217.03 |
| 9                                   | 0  | 6"O         |       |     |                 |              |
| 59                                  | 59 | S69°53'18.8 | 194.5 | 591 | 722,995.06      | 2,156,150.13 |
| 0                                   | 1  | 9"E         |       |     |                 |              |
| 59                                  | 59 | S69°57'37.6 | 130.1 | 592 | 723,117.28      | 2,156,105.55 |
| 1                                   | 2  | 3"E         |       |     |                 |              |
| 59                                  | 59 | S14°59'18.1 | 156.1 | 593 | 723,076.89      | 2,155,954.69 |
| 2                                   | 3  | 4"O         |       |     |                 |              |
| 59                                  | 59 | S29°49'08.3 | 67.13 | 594 | 723,110.27      | 2,155,896.45 |
| 3                                   | 4  | 6"E         |       |     |                 |              |
| 59                                  | 59 | S71°41'31.5 | 35.65 | 595 | 723,144.12      | 2,155,885.25 |
| 4                                   | 5  | 3"E         |       |     |                 |              |
| 59                                  | 59 | S07°39'40.8 | 30.08 | 596 | 723,148.13      | 2,155,855.44 |
| 5                                   | 6  | 9"E         |       |     |                 |              |
| 59                                  | 59 | N71°10'02.4 | 85.19 | 597 | 723,067.50      | 2,155,882.94 |
| 6                                   | 7  | 0"O         |       |     |                 |              |
| 59                                  | 59 | S24°38'02.1 | 92.10 | 598 | 723,029.11      | 2,155,799.22 |
| 7                                   | 8  | 6"O         |       |     |                 |              |
| 59                                  | 59 | S64°40'23.9 | 85.25 | 599 | 723,106.17      | 2,155,762.75 |
| 8                                   | 9  | 7"E         |       |     |                 |              |
| 59                                  | 60 | S17°17'54.4 | 68.88 | 600 | 723,085.69      | 2,155,696.99 |
| 9                                   | 0  | 0"O         |       |     |                 |              |
| 60                                  | 60 | S27°19'53.6 | 170.4 | 601 | 723,007.41      | 2,155,545.53 |
| 0                                   | 1  | 0"O         |       |     |                 |              |
| 60                                  | 60 | S23°57'49.1 | 100.4 | 602 | 722,966.63      | 2,155,453.78 |
| 1                                   | 2  | 3"O         |       |     |                 |              |
| 60                                  | 60 | S34°41'42.5 | 0.16  | 603 | 722,966.54      | 2,155,453.65 |
| 2                                   | 3  | 5"O         |       |     |                 |              |
| 60                                  | 60 | S52°25'53.0 | 0.16  | 604 | 722,966.41      | 2,155,453.55 |
| 3                                   | 4  | 7"O         |       |     |                 |              |
| 60                                  | 60 | S80°15'31.5 | 4.73  | 605 | 722,961.75      | 2,155,452.75 |
| 4                                   | 5  | 8"O         |       |     |                 |              |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVA |    |             |       |     |                 |              |
|-------------------------------------|----|-------------|-------|-----|-----------------|--------------|
| LADO                                |    | RUMBO       | DIST. | V   | COORDENADAS UTM |              |
| ES                                  | PV |             |       |     | X               | Y            |
| 60                                  | 60 | N85°10'36.5 | 150.2 | 606 | 722,812.07      | 2,155,465.38 |
| 5                                   | 6  | 0"O         |       |     |                 |              |
| 60                                  | 60 | N56°28'57.9 | 150.7 | 607 | 722,937.78      | 2,155,548.64 |
| 6                                   | 7  | 8"E         |       |     |                 |              |
| 60                                  | 60 | N46°09'29.6 | 18.19 | 608 | 722,950.90      | 2,155,561.24 |
| 7                                   | 8  | 4"E         |       |     |                 |              |
| 60                                  | 60 | N17°39'52.5 | 195.4 | 609 | 723,010.21      | 2,155,747.48 |
| 8                                   | 9  | 6"E         |       |     |                 |              |
| 60                                  | 61 | N85°51'03.0 | 208.1 | 610 | 722,802.61      | 2,155,762.54 |
| 9                                   | 0  | 2"O         |       |     |                 |              |
| 61                                  | 61 | S83°29'45.0 | 265.9 | 611 | 722,538.42      | 2,155,732.42 |
| 0                                   | 1  | 9"O         |       |     |                 |              |
| 61                                  | 61 | S85°25'49.3 | 122.1 | 612 | 722,416.68      | 2,155,722.69 |
| 1                                   | 2  | 7"O         |       |     |                 |              |
| 61                                  | 61 | S72°21'46.5 | 112.1 | 613 | 722,309.77      | 2,155,688.70 |
| 2                                   | 3  | 4"O         |       |     |                 |              |
| 61                                  | 61 | S21°12'13.3 | 299.7 | 614 | 722,201.35      | 2,155,409.23 |
| 3                                   | 4  | 0"O         |       |     |                 |              |
| 61                                  | 61 | S21°45'56.4 | 50.62 | 615 | 722,182.58      | 2,155,362.22 |
| 4                                   | 5  | 4"O         |       |     |                 |              |
| 61                                  | 61 | S89°28'17.9 | 63.98 | 616 | 722,246.56      | 2,155,361.63 |
| 5                                   | 6  | 6"E         |       |     |                 |              |
| 61                                  | 61 | S43°31'25.6 | 87.01 | 617 | 722,306.48      | 2,155,298.54 |
| 6                                   | 7  | 8"E         |       |     |                 |              |
| 61                                  | 61 | S43°53'24.6 | 25.92 | 618 | 722,288.51      | 2,155,279.86 |
| 7                                   | 8  | 5"O         |       |     |                 |              |
| 61                                  | 61 | S28°53'02.0 | 38.80 | 619 | 722,307.25      | 2,155,245.89 |
| 8                                   | 9  | 6"E         |       |     |                 |              |
| 61                                  | 62 | S55°37'04.4 | 71.42 | 620 | 722,366.19      | 2,155,205.56 |
| 9                                   | 0  | 9"E         |       |     |                 |              |
| 62                                  | 62 | S66°27'11.8 | 74.99 | 621 | 722,434.94      | 2,155,175.60 |
| 0                                   | 1  | 9"E         |       |     |                 |              |
| 62                                  | 62 | S39°09'01.2 | 107.2 | 622 | 722,502.66      | 2,155,092.42 |
| 1                                   | 2  | 4"E         |       |     |                 |              |
| 62                                  | 62 | S09°19'38.3 | 79.53 | 623 | 722,515.55      | 2,155,013.94 |
| 2                                   | 3  | 0"E         |       |     |                 |              |
| 62                                  | 62 | S29°07'03.5 | 105.9 | 624 | 722,464.00      | 2,154,921.39 |
| 3                                   | 4  | 1"O         |       |     |                 |              |
| 62                                  | 62 | N72°27'56.9 | 23.33 | 625 | 722,441.75      | 2,154,928.42 |
| 4                                   | 5  | 0"O         |       |     |                 |              |
| 62                                  | 62 | S27°21'44.1 | 38.25 | 626 | 722,424.17      | 2,154,894.45 |
| 5                                   | 6  | 5"O         |       |     |                 |              |
| 62                                  | 62 | N59°20'55.1 | 52.84 | 627 | 722,378.71      | 2,154,921.39 |
| 6                                   | 7  | 1"O         |       |     |                 |              |
| 62                                  | 62 | S41°11'24.9 | 24.90 | 628 | 722,362.31      | 2,154,902.65 |
| 7                                   | 8  | 1"O         |       |     |                 |              |
| 62                                  | 62 | S25°55'02.5 | 37.98 | 629 | 722,378.91      | 2,154,868.49 |
| 8                                   | 9  | 1"E         |       |     |                 |              |
| 62                                  | 63 | S79°11'05.4 | 105.1 | 630 | 722,275.63      | 2,154,848.76 |
| 9                                   | 0  | 9"O         |       |     |                 |              |
| 63                                  | 63 | N56°00'09.4 | 121.5 | 631 | 722,174.88      | 2,154,916.71 |
| 0                                   | 1  | 7"O         |       |     |                 |              |
| 63                                  | 63 | N48°24'21.0 | 64.04 | 632 | 722,126.99      | 2,154,959.22 |
| 1                                   | 2  | 3"O         |       |     |                 |              |
| 63                                  | 63 | N77°39'11.1 | 179.0 | 633 | 721,952.11      | 2,154,997.50 |
| 2                                   | 3  | 5"O         |       |     |                 |              |
| 63                                  | 63 | S82°10'55.4 | 12.72 | 634 | 721,939.51      | 2,154,995.77 |
| 3                                   | 4  | 9"O         |       |     |                 |              |
| 63                                  | 63 | S83°21'17.4 | 82.79 | 635 | 721,857.28      | 2,154,986.19 |
| 4                                   | 5  | 8"O         |       |     |                 |              |
| 63                                  | 63 | N81°17'51.9 | 86.25 | 636 | 721,772.02      | 2,154,999.24 |
| 5                                   | 6  | 9"O         |       |     |                 |              |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVA |     |                |        |     |                 |              |
|-------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                                |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| ES                                  | PV  |                |        |     | X               | Y            |
| 636                                 | 637 | N64°59'16.99"O | 34.98  | 637 | 721,740.32      | 2,155,014.03 |
| 637                                 | 638 | N50°15'28.11"O | 100.70 | 638 | 721,662.89      | 2,155,078.41 |
| 638                                 | 639 | N12°39'20.72"O | 49.93  | 639 | 721,651.95      | 2,155,127.13 |
| 639                                 | 640 | N70°20'46.23"O | 12.93  | 640 | 721,639.77      | 2,155,131.48 |
| 640                                 | 641 | S49°49'02.31"O | 98.43  | 641 | 721,564.57      | 2,155,067.97 |
| 641                                 | 642 | N80°40'51.09"O | 32.24  | 642 | 721,532.76      | 2,155,073.19 |
| 642                                 | 643 | S78°27'55.37"O | 43.51  | 643 | 721,490.13      | 2,155,064.49 |
| 643                                 | 644 | N86°42'33.16"O | 76.48  | 644 | 721,413.78      | 2,155,068.88 |
| 644                                 | 645 | N80°33'15.26"O | 164.95 | 645 | 721,251.07      | 2,155,095.95 |
| 645                                 | 646 | N64°25'12.21"O | 86.62  | 646 | 721,172.94      | 2,155,133.35 |
| 646                                 | 647 | N26°49'42.92"O | 106.95 | 647 | 721,124.67      | 2,155,228.79 |
| 647                                 | 648 | N02°56'29.34"O | 126.28 | 648 | 721,118.19      | 2,155,354.90 |
| 648                                 | 649 | N09°30'20.88"O | 19.50  | 649 | 721,114.97      | 2,155,374.13 |
| 649                                 | 650 | N35°12'42.64"O | 33.52  | 650 | 721,095.64      | 2,155,401.52 |
| 650                                 | 651 | N85°39'29.52"O | 40.16  | 651 | 721,055.60      | 2,155,404.56 |
| 651                                 | 652 | N24°09'10.00"O | 49.83  | 652 | 721,035.21      | 2,155,450.03 |
| 652                                 | 653 | N09°23'38.60"O | 31.74  | 653 | 721,030.03      | 2,155,481.34 |
| 653                                 | 654 | N36°35'51.37"O | 37.45  | 654 | 721,007.70      | 2,155,511.41 |
| 654                                 | 655 | N24°09'08.53"O | 55.45  | 655 | 720,985.01      | 2,155,562.01 |
| 655                                 | 656 | N47°55'27.19"O | 38.95  | 656 | 720,956.10      | 2,155,588.11 |
| 656                                 | 657 | N70°34'16.00"O | 79.85  | 657 | 720,880.80      | 2,155,614.67 |
| 657                                 | 658 | N57°32'16.45"O | 28.99  | 658 | 720,856.34      | 2,155,630.23 |
| 658                                 | 659 | N36°56'31.83"O | 22.20  | 659 | 720,843.00      | 2,155,647.97 |
| 659                                 | 660 | N51°20'24.69"O | 14.02  | 660 | 720,832.05      | 2,155,656.73 |
| 660                                 | 661 | N72°28'51.42"O | 44.12  | 661 | 720,789.98      | 2,155,670.01 |
| 661                                 | 662 | N46°32'53.37"O | 0.26   | 662 | 720,789.79      | 2,155,670.19 |
| 662                                 | 663 | N32°44'50.85"O | 36.58  | 663 | 720,770.00      | 2,155,700.96 |
| 663                                 | 664 | N87°24'23.82"O | 48.18  | 664 | 720,721.87      | 2,155,703.14 |
| 664                                 | 665 | S50°39'22.31"O | 146.00 | 665 | 720,608.96      | 2,155,610.58 |
| 665                                 | 666 | S83°16'22.78"O | 72.14  | 666 | 720,537.32      | 2,155,602.13 |
| 666                                 | 667 | S80°52'09.74"O | 89.74  | 667 | 720,448.72      | 2,155,587.89 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVA |     |                |        |     |                 |              |
|-------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                                |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| ES                                  | PV  |                |        |     | X               | Y            |
| 667                                 | 668 | S31°29'37.01"O | 63.61  | 668 | 720,415.49      | 2,155,533.65 |
| 668                                 | 669 | S30°04'49.49"E | 260.31 | 669 | 720,545.96      | 2,155,308.40 |
| 669                                 | 670 | S62°28'07.20"E | 108.99 | 670 | 720,642.61      | 2,155,258.02 |
| 670                                 | 671 | S75°03'54.68"E | 32.63  | 671 | 720,674.14      | 2,155,249.61 |
| 671                                 | 672 | S61°23'22.35"E | 0.25   | 672 | 720,674.36      | 2,155,249.49 |
| 672                                 | 673 | S35°32'15.64"E | 0.17   | 673 | 720,674.46      | 2,155,249.35 |
| 673                                 | 674 | S17°21'14.49"E | 0.17   | 674 | 720,674.51      | 2,155,249.19 |
| 674                                 | 675 | S09°05'25.00"O | 0.25   | 675 | 720,674.47      | 2,155,248.94 |
| 675                                 | 676 | S22°59'42.26"O | 306.82 | 676 | 720,554.61      | 2,154,966.50 |
| 676                                 | 677 | S36°23'03.67"O | 0.24   | 677 | 720,554.47      | 2,154,966.31 |
| 677                                 | 678 | S64°32'11.96"O | 0.23   | 678 | 720,554.26      | 2,154,966.21 |
| 678                                 | 679 | S77°43'55.14"O | 15.01  | 679 | 720,539.59      | 2,154,963.02 |
| 679                                 | 680 | N73°41'16.21"O | 71.46  | 680 | 720,471.01      | 2,154,983.09 |
| 680                                 | 681 | S88°16'16.05"O | 22.87  | 681 | 720,448.15      | 2,154,982.40 |
| 681                                 | 682 | N81°42'26.08"O | 67.25  | 682 | 720,381.60      | 2,154,992.10 |
| 682                                 | 683 | N60°10'46.22"O | 43.23  | 683 | 720,344.09      | 2,155,013.60 |
| 683                                 | 684 | N48°48'50.67"O | 0.21   | 684 | 720,343.93      | 2,155,013.74 |
| 684                                 | 685 | N37°14'21.78"O | 124.37 | 685 | 720,268.67      | 2,155,112.75 |
| 685                                 | 686 | N26°33'54.18"O | 0.22   | 686 | 720,268.57      | 2,155,112.95 |
| 686                                 | 687 | N06°09'40.79"O | 87.02  | 687 | 720,259.23      | 2,155,199.47 |
| 687                                 | 688 | N85°14'32.46"E | 55.58  | 688 | 720,314.62      | 2,155,204.08 |
| 688                                 | 689 | N07°10'42.16"O | 163.81 | 689 | 720,294.15      | 2,155,366.61 |
| 689                                 | 690 | N50°52'50.78"O | 43.82  | 690 | 720,260.15      | 2,155,394.26 |
| 690                                 | 691 | N29°45'03.05"E | 59.55  | 691 | 720,289.70      | 2,155,445.96 |
| 691                                 | 692 | N72°17'49.28"O | 45.55  | 692 | 720,246.31      | 2,155,459.81 |
| 692                                 | 693 | S25°49'24.99"O | 31.80  | 693 | 720,232.46      | 2,155,431.19 |
| 693                                 | 694 | N83°41'24.10"O | 374.77 | 694 | 719,859.96      | 2,155,472.38 |
| 694                                 | 695 | S59°28'37.59"O | 78.01  | 695 | 719,792.76      | 2,155,432.76 |
| 695                                 | 696 | N81°21'06.71"O | 106.21 | 696 | 719,687.76      | 2,155,448.73 |
| 696                                 | 697 | N01°13'40.30"E | 43.40  | 697 | 719,688.69      | 2,155,492.12 |
| 697                                 | 698 | N88°36'32.24"O | 129.76 | 698 | 719,558.97      | 2,155,495.27 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVA |     |                |        |     |                 |              |
|-------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                                |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| ES                                  | PV  |                |        |     | X               | Y            |
| 698                                 | 699 | N18°17'08.87"E | 85.03  | 699 | 719,585.65      | 2,155,576.01 |
| 699                                 | 700 | N05°12'10.08"E | 92.96  | 700 | 719,577.22      | 2,155,668.59 |
| 700                                 | 701 | N33°42'39.84"E | 45.40  | 701 | 719,552.02      | 2,155,706.36 |
| 701                                 | 702 | N59°03'15.33"E | 98.19  | 702 | 719,467.81      | 2,155,756.85 |
| 702                                 | 703 | N84°29'19.32"E | 28.32  | 703 | 719,439.62      | 2,155,759.57 |
| 703                                 | 704 | N70°49'15.57"E | 0.24   | 704 | 719,439.39      | 2,155,759.65 |
| 704                                 | 705 | N44°59'60.00"E | 0.17   | 705 | 719,439.27      | 2,155,759.77 |
| 705                                 | 706 | N26°33'54.18"E | 0.16   | 706 | 719,439.20      | 2,155,759.91 |
| 706                                 | 707 | N10°37'10.76"E | 0.16   | 707 | 719,439.17      | 2,155,760.07 |
| 707                                 | 708 | N00°00'00.00"E | 44.63  | 708 | 719,439.17      | 2,155,804.70 |
| 708                                 | 709 | N10°37'10.76"E | 0.16   | 709 | 719,439.20      | 2,155,804.86 |
| 709                                 | 710 | N27°54'24.61"E | 71.62  | 710 | 719,472.72      | 2,155,868.15 |
| 710                                 | 711 | N23°58'27.87"E | 73.22  | 711 | 719,502.47      | 2,155,935.05 |
| 711                                 | 712 | N18°26'42.83"E | 70.48  | 712 | 719,524.77      | 2,156,001.91 |
| 712                                 | 713 | N04°34'52.31"E | 78.50  | 713 | 719,531.04      | 2,156,080.16 |
| 713                                 | 714 | N26°30'16.13"E | 59.22  | 714 | 719,504.61      | 2,156,133.16 |
| 714                                 | 715 | N58°27'40.71"E | 182.19 | 715 | 719,349.33      | 2,156,228.46 |
| 715                                 | 716 | N75°22'19.72"E | 182.98 | 716 | 719,172.28      | 2,156,274.67 |
| 716                                 | 717 | N67°17'03.53"E | 231.82 | 717 | 718,958.44      | 2,156,364.19 |
| 717                                 | 718 | N63°27'02.92"E | 32.31  | 718 | 718,929.54      | 2,156,378.63 |
| 718                                 | 719 | N83°46'59.96"E | 48.67  | 719 | 718,881.16      | 2,156,383.90 |
| 719                                 | 720 | N89°59'40.71"E | 106.95 | 720 | 718,774.21      | 2,156,383.91 |
| 720                                 | 721 | N83°40'10.07"E | 26.21  | 721 | 718,748.16      | 2,156,386.80 |
| 721                                 | 722 | N76°18'11.27"E | 65.92  | 722 | 718,684.11      | 2,156,402.41 |
| 722                                 | 723 | N70°43'21.82"E | 52.92  | 723 | 718,634.16      | 2,156,419.88 |
| 723                                 | 724 | N66°11'44.19"E | 39.74  | 724 | 718,597.80      | 2,156,435.92 |
| 724                                 | 725 | N70°42'58.08"E | 61.26  | 725 | 718,539.98      | 2,156,456.15 |
| 725                                 | 726 | N59°38'33.27"E | 102.10 | 726 | 718,451.88      | 2,156,507.75 |
| 726                                 | 727 | S44°02'47.59"E | 48.44  | 727 | 718,418.20      | 2,156,472.93 |
| 727                                 | 728 | S05°11'29.86"E | 37.02  | 728 | 718,414.85      | 2,156,436.06 |
| 728                                 | 729 | S12°15'06.69"E | 65.97  | 729 | 718,428.85      | 2,156,371.59 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVA |     |                |        |     |                 |              |
|-------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                                |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| ES                                  | PV  |                |        |     | X               | Y            |
| 729                                 | 730 | S03°22'28.97"E | 57.08  | 730 | 718,432.21      | 2,156,314.61 |
| 730                                 | 731 | S13°05'05.35"E | 75.22  | 731 | 718,449.24      | 2,156,241.34 |
| 731                                 | 732 | S29°03'55.66"E | 10.25  | 732 | 718,444.26      | 2,156,232.38 |
| 732                                 | 733 | S16°52'27.48"E | 6.27   | 733 | 718,446.08      | 2,156,226.38 |
| 733                                 | 734 | S03°21'59.26"E | 0.17   | 734 | 718,446.07      | 2,156,226.21 |
| 734                                 | 735 | S30°15'43.41"E | 220.14 | 735 | 718,335.13      | 2,156,036.07 |
| 735                                 | 736 | N72°27'17.83"E | 11.81  | 736 | 718,323.87      | 2,156,039.63 |
| 736                                 | 737 | S52°47'00.81"E | 0.99   | 737 | 718,323.08      | 2,156,039.03 |
| 737                                 | 738 | S82°40'16.85"E | 90.39  | 738 | 718,233.43      | 2,156,027.50 |
| 738                                 | 739 | N84°48'20.06"E | 0.22   | 739 | 718,233.21      | 2,156,027.52 |
| 739                                 | 740 | N56°58'34.08"E | 0.24   | 740 | 718,233.01      | 2,156,027.65 |
| 740                                 | 741 | N44°32'15.39"E | 77.11  | 741 | 718,178.93      | 2,156,082.61 |
| 741                                 | 742 | N60°56'03.94"E | 10.15  | 742 | 718,170.06      | 2,156,087.54 |
| 742                                 | 743 | N77°27'27.46"E | 18.33  | 743 | 718,152.17      | 2,156,091.52 |
| 743                                 | 744 | N84°18'13.05"E | 20.05  | 744 | 718,132.22      | 2,156,093.51 |
| 744                                 | 745 | N89°59'50.15"E | 20.93  | 745 | 718,111.29      | 2,156,093.51 |
| 745                                 | 746 | S81°14'58.32"E | 13.15  | 746 | 718,098.29      | 2,156,091.51 |
| 746                                 | 747 | S85°54'51.78"E | 14.04  | 747 | 718,084.29      | 2,156,090.51 |
| 747                                 | 748 | N80°08'03.09"E | 0.23   | 748 | 718,084.06      | 2,156,090.55 |
| 748                                 | 749 | N66°46'19.32"E | 7.68   | 749 | 718,077.00      | 2,156,093.58 |
| 749                                 | 750 | N45°00'00.00"E | 0.21   | 750 | 718,076.85      | 2,156,093.73 |
| 750                                 | 751 | N33°41'50.76"E | 21.58  | 751 | 718,064.88      | 2,156,111.68 |
| 751                                 | 752 | N48°21'47.04"E | 84.14  | 752 | 718,002.00      | 2,156,167.58 |
| 752                                 | 753 | N64°35'31.16"E | 44.07  | 753 | 717,962.19      | 2,156,186.49 |
| 753                                 | 754 | N88°25'51.43"E | 102.26 | 754 | 717,859.97      | 2,156,189.29 |
| 754                                 | 755 | S30°53'17.49"E | 111.83 | 755 | 717,802.56      | 2,156,093.32 |
| 755                                 | 756 | S19°20'31.55"E | 631.17 | 756 | 718,011.61      | 2,155,497.77 |
| 756                                 | 757 | S78°54'11.70"E | 40.06  | 757 | 717,972.30      | 2,155,490.06 |
| 757                                 | 758 | S66°22'39.58"E | 37.28  | 758 | 717,938.14      | 2,155,475.12 |
| 758                                 | 759 | S49°35'06.93"E | 25.65  | 759 | 717,918.61      | 2,155,458.49 |
| 759                                 | 760 | S42°50'48.03"E | 33.50  | 760 | 717,895.83      | 2,155,433.93 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVA |     |                    |            |     |                 |                  |
|-------------------------------------|-----|--------------------|------------|-----|-----------------|------------------|
| LADO                                |     | RUMBO              | DIST.      | V   | COORDENADAS UTM |                  |
| ES<br>T                             | PV  |                    |            |     | X               | Y                |
| 760                                 | 761 | S48°32'58.2<br>5"O | 60.30      | 761 | 717,850.<br>63  | 2,155,394.<br>01 |
| 761                                 | 762 | S83°00'35.3<br>2"O | 21.61      | 762 | 717,829.<br>18  | 2,155,391.<br>38 |
| 762                                 | 763 | N78°18'28.3<br>5"O | 63.21      | 763 | 717,767.<br>28  | 2,155,404.<br>19 |
| 763                                 | 764 | N73°08'29.7<br>6"O | 11.72      | 764 | 717,756.<br>06  | 2,155,407.<br>59 |
| 764                                 | 765 | N61°41'57.2<br>8"O | 0.15       | 765 | 717,755.<br>93  | 2,155,407.<br>66 |
| 765                                 | 766 | N47°29'22.3<br>9"O | 0.16       | 766 | 717,755.<br>81  | 2,155,407.<br>77 |
| 766                                 | 767 | N33°14'04.9<br>3"O | 127.0<br>3 | 767 | 717,686.<br>19  | 2,155,514.<br>02 |
| 767                                 | 768 | N20°00'09.0<br>8"O | 52.94      | 768 | 717,668.<br>08  | 2,155,563.<br>77 |
| 768                                 | 769 | N26°34'46.6<br>9"O | 122.9<br>9 | 769 | 717,613.<br>05  | 2,155,673.<br>76 |
| 769                                 | 770 | N04°12'12.1<br>3"O | 21.15      | 770 | 717,611.<br>50  | 2,155,694.<br>85 |
| 770                                 | 771 | N43°20'25.9<br>3"O | 71.79      | 771 | 717,562.<br>23  | 2,155,747.<br>06 |
| 771                                 | 772 | N30°09'37.8<br>5"O | 162.0<br>9 | 772 | 717,480.<br>79  | 2,155,887.<br>21 |
| 772                                 | 773 | N39°04'20.3<br>3"O | 72.24      | 773 | 717,435.<br>26  | 2,155,943.<br>29 |
| 773                                 | 774 | N72°21'17.0<br>9"O | 50.94      | 774 | 717,386.<br>72  | 2,155,958.<br>73 |
| 774                                 | 775 | N61°50'13.3<br>6"O | 107.2<br>9 | 775 | 717,292.<br>13  | 2,156,009.<br>37 |
| 775                                 | 776 | N50°44'02.2<br>0"O | 56.97      | 776 | 717,248.<br>02  | 2,156,045.<br>43 |
| 776                                 | 777 | N50°47'18.1<br>6"O | 129.5<br>7 | 777 | 717,147.<br>63  | 2,156,127.<br>34 |
| 777                                 | 778 | N67°21'22.8<br>5"O | 22.23      | 778 | 717,127.<br>11  | 2,156,135.<br>90 |
| 778                                 | 779 | N76°49'13.3<br>5"O | 188.0<br>2 | 779 | 716,944.<br>04  | 2,156,178.<br>77 |
| 779                                 | 780 | S19°03'34.6<br>3"O | 200.4<br>3 | 780 | 716,878.<br>59  | 2,155,989.<br>33 |
| 780                                 | 781 | S32°16'32.3<br>2"O | 0.22       | 781 | 716,878.<br>47  | 2,155,989.<br>14 |
| 781                                 | 782 | S59°02'10.4<br>8"O | 0.23       | 782 | 716,878.<br>27  | 2,155,989.<br>02 |
| 782                                 | 783 | S78°41'24.2<br>4"O | 0.15       | 783 | 716,878.<br>12  | 2,155,988.<br>99 |
| 783                                 | 784 | S89°28'11.6<br>3"O | 134.0<br>3 | 784 | 716,744.<br>10  | 2,155,987.<br>75 |
| 784                                 | 785 | N83°17'24.5<br>9"O | 0.17       | 785 | 716,743.<br>93  | 2,155,987.<br>77 |
| 785                                 | 786 | N56°58'34.0<br>8"O | 0.24       | 786 | 716,743.<br>73  | 2,155,987.<br>90 |
| 786                                 | 787 | N34°27'09.7<br>0"O | 65.01      | 787 | 716,706.<br>95  | 2,156,041.<br>51 |
| 787                                 | 788 | N00°00'00.0<br>0"  | 0.26       | 788 | 716,706.<br>95  | 2,156,041.<br>77 |
| 788                                 | 789 | N33°24'24.0<br>6"E | 98.13      | 789 | 716,760.<br>98  | 2,156,123.<br>69 |
| 789                                 | 790 | N22°02'08.2<br>8"E | 192.1<br>5 | 790 | 716,833.<br>07  | 2,156,301.<br>77 |
| 790                                 | 791 | N22°13'21.0<br>0"E | 56.35      | 791 | 716,854.<br>38  | 2,156,353.<br>96 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVA |     |                    |            |     |                 |                  |
|-------------------------------------|-----|--------------------|------------|-----|-----------------|------------------|
| LADO                                |     | RUMBO              | DIST.      | V   | COORDENADAS UTM |                  |
| ES<br>T                             | PV  |                    |            |     | X               | Y                |
| 791                                 | 792 | N00°00'00.0<br>0"  | 104.8<br>6 | 792 | 716,854.<br>38  | 2,156,458.<br>82 |
| 792                                 | 793 | N15°36'55.7<br>3"O | 84.92      | 793 | 716,831.<br>52  | 2,156,540.<br>61 |
| 793                                 | 794 | N02°58'39.3<br>3"O | 77.00      | 794 | 716,827.<br>52  | 2,156,617.<br>51 |
| 794                                 | 795 | N28°36'12.3<br>1"O | 38.98      | 795 | 716,808.<br>86  | 2,156,651.<br>73 |
| 795                                 | 796 | N04°09'13.6<br>5"O | 51.50      | 796 | 716,805.<br>13  | 2,156,703.<br>09 |
| 796                                 | 797 | N04°55'14.7<br>1"E | 27.86      | 797 | 716,807.<br>52  | 2,156,730.<br>85 |
| 797                                 | 798 | N37°45'03.5<br>9"E | 17.43      | 798 | 716,818.<br>19  | 2,156,744.<br>63 |
| 798                                 | 799 | N42°41'54.5<br>2"E | 83.11      | 799 | 716,874.<br>55  | 2,156,805.<br>71 |
| 799                                 | 800 | N31°42'03.0<br>6"E | 222.7<br>7 | 800 | 716,991.<br>61  | 2,156,995.<br>24 |
| 800                                 | 801 | N20°19'22.9<br>5"E | 208.3<br>7 | 801 | 717,063.<br>98  | 2,157,190.<br>64 |
| 801                                 | 802 | N02°29'15.1<br>0"O | 184.3<br>2 | 802 | 717,055.<br>98  | 2,157,374.<br>79 |
| 802                                 | 803 | N15°04'09.9<br>1"O | 182.6<br>6 | 803 | 717,008.<br>49  | 2,157,551.<br>17 |
| 803                                 | 804 | N28°47'12.9<br>4"O | 107.2<br>8 | 804 | 716,956.<br>83  | 2,157,645.<br>19 |
| 804                                 | 805 | N21°34'13.5<br>8"O | 28.56      | 805 | 716,946.<br>33  | 2,157,671.<br>75 |
| 805                                 | 806 | N06°00'54.3<br>4"O | 113.2<br>7 | 806 | 716,934.<br>46  | 2,157,784.<br>40 |
| 806                                 | 807 | N31°36'04.9<br>8"O | 30.67      | 807 | 716,918.<br>39  | 2,157,810.<br>52 |
| 807                                 | 808 | N19°17'24.1<br>7"O | 0.21       | 808 | 716,918.<br>32  | 2,157,810.<br>72 |
| 808                                 | 809 | N10°34'00.3<br>0"E | 13.31      | 809 | 716,920.<br>76  | 2,157,823.<br>80 |
| 809                                 | 810 | N05°06'16.8<br>6"O | 68.78      | 810 | 716,914.<br>64  | 2,157,892.<br>31 |
| 810                                 | 811 | N11°18'01.1<br>4"E | 23.37      | 811 | 716,919.<br>22  | 2,157,915.<br>23 |
| 811                                 | 812 | N33°41'24.2<br>4"E | 0.22       | 812 | 716,919.<br>34  | 2,157,915.<br>41 |
| 812                                 | 813 | N45°00'18.8<br>6"E | 77.34      | 813 | 716,974.<br>03  | 2,157,970.<br>09 |
| 813                                 | 814 | N63°26'05.8<br>2"E | 0.16       | 814 | 716,974.<br>17  | 2,157,970.<br>16 |
| 814                                 | 815 | N78°41'24.2<br>4"E | 0.15       | 815 | 716,974.<br>32  | 2,157,970.<br>19 |
| 815                                 | 816 | S75°22'44.8<br>5"E | 0.24       | 816 | 716,974.<br>55  | 2,157,970.<br>13 |
| 816                                 | 817 | S63°26'05.8<br>2"E | 14.00      | 817 | 716,987.<br>07  | 2,157,963.<br>87 |
| 817                                 | 818 | S60°03'41.5<br>5"E | 21.66      | 818 | 717,005.<br>84  | 2,157,953.<br>06 |
| 818                                 | 819 | S66°48'05.0<br>7"E | 17.36      | 819 | 717,021.<br>80  | 2,157,946.<br>22 |
| 819                                 | 820 | S60°42'49.2<br>0"E | 26.66      | 820 | 717,045.<br>05  | 2,157,933.<br>18 |
| 820                                 | 821 | S80°15'29.5<br>4"E | 77.18      | 821 | 717,121.<br>12  | 2,157,920.<br>12 |
| 821                                 | 822 | N75°57'49.5<br>2"E | 28.37      | 822 | 717,148.<br>64  | 2,157,927.<br>00 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVA |    |             |       |     |                 |              |
|-------------------------------------|----|-------------|-------|-----|-----------------|--------------|
| LADO                                |    | RUMBO       | DIST. | V   | COORDENADAS UTM |              |
| ES                                  | PV |             |       |     | X               | Y            |
| 82                                  | 82 | N87°23'50.7 | 0.22  | 823 | 717,148.86      | 2,157,927.01 |
| 2                                   | 3  | 8"E         |       |     |                 |              |
| 82                                  | 82 | S62°15'54.1 | 27.16 | 824 | 717,172.90      | 2,157,914.37 |
| 3                                   | 4  | 4"E         |       |     |                 |              |
| 82                                  | 82 | S68°29'14.8 | 27.62 | 825 | 717,198.60      | 2,157,904.24 |
| 4                                   | 5  | 4"E         |       |     |                 |              |
| 82                                  | 82 | S89°06'15.8 | 87.01 | 826 | 717,285.60      | 2,157,902.88 |
| 5                                   | 6  | 9"E         |       |     |                 |              |
| 82                                  | 82 | N77°27'58.4 | 50.13 | 827 | 717,334.54      | 2,157,913.76 |
| 6                                   | 7  | 4"E         |       |     |                 |              |
| 82                                  | 82 | N70°28'00.6 | 44.71 | 828 | 717,376.68      | 2,157,928.71 |
| 7                                   | 8  | 6"E         |       |     |                 |              |
| 82                                  | 82 | N59°02'28.3 | 39.64 | 829 | 717,410.67      | 2,157,949.10 |
| 8                                   | 9  | 3"E         |       |     |                 |              |
| 82                                  | 83 | N86°49'07.9 | 73.52 | 830 | 717,484.08      | 2,157,953.18 |
| 9                                   | 0  | 4"E         |       |     |                 |              |
| 83                                  | 83 | S58°44'10.0 | 133.5 | 831 | 717,598.27      | 2,157,883.85 |
| 0                                   | 1  | 9"E         |       |     |                 |              |
| 83                                  | 83 | S74°34'38.2 | 204.4 | 832 | 717,795.39      | 2,157,829.47 |
| 1                                   | 2  | 1"E         |       |     |                 |              |
| 83                                  | 83 | S01°23'15.5 | 55.75 | 833 | 717,796.74      | 2,157,773.74 |
| 2                                   | 3  | 7"E         |       |     |                 |              |
| 83                                  | 83 | S47°17'26.2 | 24.06 | 834 | 717,814.42      | 2,157,757.42 |
| 3                                   | 4  | 0"E         |       |     |                 |              |
| 83                                  | 83 | N87°23'44.5 | 29.93 | 835 | 717,844.32      | 2,157,758.78 |
| 4                                   | 5  | 2"E         |       |     |                 |              |
| 83                                  | 83 | N47°07'07.6 | 129.8 | 836 | 717,939.48      | 2,157,847.15 |
| 5                                   | 6  | 3"E         |       |     |                 |              |
| 83                                  | 83 | N01°19'58.4 | 58.47 | 837 | 717,940.84      | 2,157,905.60 |
| 6                                   | 7  | 5"E         |       |     |                 |              |
| 83                                  | 83 | N15°49'05.5 | 84.78 | 838 | 717,917.73      | 2,157,987.17 |
| 7                                   | 8  | 9"O         |       |     |                 |              |
| 83                                  | 83 | N24°13'33.5 | 29.80 | 839 | 717,905.50      | 2,158,014.35 |
| 8                                   | 9  | 7"O         |       |     |                 |              |
| 83                                  | 84 | N77°09'37.7 | 92.21 | 840 | 717,995.40      | 2,158,034.84 |
| 9                                   | 0  | 3"E         |       |     |                 |              |
| 84                                  | 84 | N84°21'11.2 | 54.57 | 841 | 718,049.71      | 2,158,040.21 |
| 0                                   | 1  | 7"E         |       |     |                 |              |
| 84                                  | 84 | N05°30'43.7 | 118.3 | 842 | 718,038.34      | 2,158,158.03 |
| 1                                   | 2  | 5"O         |       |     |                 |              |
| 84                                  | 84 | S83°17'29.1 | 106.1 | 843 | 718,143.76      | 2,158,145.63 |
| 2                                   | 3  | 3"E         |       |     |                 |              |
| 84                                  | 84 | S86°04'48.3 | 75.63 | 844 | 718,219.21      | 2,158,140.46 |
| 3                                   | 4  | 4"E         |       |     |                 |              |
| 84                                  | 84 | N86°45'39.9 | 54.87 | 845 | 718,273.99      | 2,158,143.56 |
| 4                                   | 5  | 1"E         |       |     |                 |              |
| 84                                  | 84 | N60°55'46.9 | 21.28 | 846 | 718,292.59      | 2,158,153.90 |
| 5                                   | 6  | 4"E         |       |     |                 |              |
| 84                                  | 84 | N37°24'49.7 | 22.12 | 847 | 718,306.03      | 2,158,171.47 |
| 6                                   | 7  | 8"E         |       |     |                 |              |
| 84                                  | 84 | N10°28'41.6 | 28.37 | 848 | 718,311.19      | 2,158,199.37 |
| 7                                   | 8  | 6"E         |       |     |                 |              |
| 84                                  | 84 | N11°30'54.3 | 56.96 | 849 | 718,299.82      | 2,158,255.18 |
| 8                                   | 9  | 9"O         |       |     |                 |              |
| 84                                  | 85 | N46°50'26.5 | 22.67 | 850 | 718,316.36      | 2,158,270.69 |
| 9                                   | 0  | 1"E         |       |     |                 |              |
| 85                                  | 85 | S68°36'40.3 | 25.53 | 851 | 718,340.13      | 2,158,261.13 |
| 0                                   | 1  | 3"E         |       |     |                 |              |
| 85                                  | 85 | S56°53'32.4 | 28.38 | 852 | 718,363.90      | 2,158,245.88 |
| 1                                   | 2  | 0"E         |       |     |                 |              |
| 85                                  | 85 | S43°01'53.9 | 21.20 | 853 | 718,378.37      | 2,158,230.38 |
| 2                                   | 3  | 4"E         |       |     |                 |              |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVA |    |             |       |     |                 |              |
|-------------------------------------|----|-------------|-------|-----|-----------------|--------------|
| LADO                                |    | RUMBO       | DIST. | V   | COORDENADAS UTM |              |
| ES                                  | PV |             |       |     | X               | Y            |
| 85                                  | 85 | S21°48'22.2 | 22.26 | 854 | 718,386.64      | 2,158,209.71 |
| 3                                   | 4  | 8"E         |       |     |                 |              |
| 85                                  | 85 | S06°55'11.1 | 24.24 | 855 | 718,389.56      | 2,158,185.65 |
| 4                                   | 5  | 4"E         |       |     |                 |              |
| 85                                  | 85 | S02°15'56.5 | 10.12 | 856 | 718,389.96      | 2,158,175.54 |
| 5                                   | 6  | 7"E         |       |     |                 |              |
| 85                                  | 85 | S02°15'02.3 | 20.63 | 857 | 718,390.77      | 2,158,154.93 |
| 6                                   | 7  | 1"E         |       |     |                 |              |
| 85                                  | 85 | S18°25'11.3 | 35.95 | 858 | 718,379.41      | 2,158,120.82 |
| 7                                   | 8  | 9"O         |       |     |                 |              |
| 85                                  | 85 | S34°42'22.4 | 32.69 | 859 | 718,360.80      | 2,158,093.95 |
| 8                                   | 9  | 6"O         |       |     |                 |              |
| 85                                  | 86 | S26°33'54.1 | 32.36 | 860 | 718,346.33      | 2,158,065.01 |
| 9                                   | 0  | 8"O         |       |     |                 |              |
| 86                                  | 86 | S06°06'50.7 | 29.11 | 861 | 718,349.43      | 2,158,036.07 |
| 0                                   | 1  | 8"E         |       |     |                 |              |
| 86                                  | 86 | S19°58'44.6 | 12.09 | 862 | 718,345.30      | 2,158,024.71 |
| 1                                   | 2  | 0"O         |       |     |                 |              |
| 86                                  | 86 | S36°50'51.8 | 15.51 | 863 | 718,336.00      | 2,158,012.30 |
| 2                                   | 3  | 3"O         |       |     |                 |              |
| 86                                  | 86 | S55°55'49.9 | 41.47 | 864 | 718,301.65      | 2,157,989.07 |
| 3                                   | 4  | 7"O         |       |     |                 |              |
| 86                                  | 86 | S75°00'10.4 | 29.22 | 865 | 718,273.43      | 2,157,981.51 |
| 4                                   | 5  | 1"O         |       |     |                 |              |
| 86                                  | 86 | S80°53'23.0 | 33.98 | 866 | 718,239.88      | 2,157,976.13 |
| 5                                   | 6  | 7"O         |       |     |                 |              |
| 86                                  | 86 | S86°49'49.4 | 18.63 | 867 | 718,221.28      | 2,157,975.10 |
| 6                                   | 7  | 6"O         |       |     |                 |              |
| 86                                  | 86 | N62°06'26.0 | 19.88 | 868 | 718,203.71      | 2,157,984.40 |
| 7                                   | 8  | 1"O         |       |     |                 |              |
| 86                                  | 86 | S02°49'30.6 | 14.61 | 869 | 718,202.99      | 2,157,969.81 |
| 8                                   | 9  | 8"O         |       |     |                 |              |
| 86                                  | 87 | S27°20'04.8 | 17.31 | 870 | 718,210.94      | 2,157,954.43 |
| 9                                   | 0  | 2"E         |       |     |                 |              |
| 87                                  | 87 | S16°14'48.8 | 25.84 | 871 | 718,203.71      | 2,157,929.62 |
| 0                                   | 1  | 5"O         |       |     |                 |              |
| 87                                  | 87 | S08°08'14.9 | 65.77 | 872 | 718,194.40      | 2,157,864.51 |
| 1                                   | 2  | 8"O         |       |     |                 |              |
| 87                                  | 87 | S86°58'02.2 | 19.66 | 873 | 718,174.77      | 2,157,863.47 |
| 2                                   | 3  | 7"O         |       |     |                 |              |
| 87                                  | 87 | S43°09'31.4 | 45.33 | 874 | 718,143.76      | 2,157,830.40 |
| 3                                   | 4  | 2"O         |       |     |                 |              |
| 87                                  | 87 | S19°02'06.1 | 31.70 | 875 | 718,154.10      | 2,157,800.43 |
| 4                                   | 5  | 2"E         |       |     |                 |              |
| 87                                  | 87 | S27°24'16.4 | 31.44 | 876 | 718,168.57      | 2,157,772.52 |
| 5                                   | 6  | 9"E         |       |     |                 |              |
| 87                                  | 87 | N83°37'09.2 | 9.36  | 877 | 718,177.87      | 2,157,773.56 |
| 6                                   | 7  | 6"E         |       |     |                 |              |
| 87                                  | 87 | S68°44'42.1 | 39.92 | 878 | 718,215.07      | 2,157,759.09 |
| 7                                   | 8  | 3"E         |       |     |                 |              |
| 87                                  | 87 | S34°42'38.4 | 16.35 | 879 | 718,224.38      | 2,157,745.65 |
| 8                                   | 9  | 1"E         |       |     |                 |              |
| 87                                  | 88 | S14°27'50.1 | 47.76 | 880 | 718,236.31      | 2,157,699.40 |
| 9                                   | 0  | 3"E         |       |     |                 |              |
| 88                                  | 88 | S21°46'23.4 | 90.42 | 881 | 718,269.85      | 2,157,615.43 |
| 0                                   | 1  | 1"E         |       |     |                 |              |
| 88                                  | 88 | S60°51'08.0 | 61.53 | 882 | 718,216.11      | 2,157,585.46 |
| 1                                   | 2  | 7"O         |       |     |                 |              |
| 88                                  | 88 | S22°09'54.1 | 30.14 | 883 | 718,227.48      | 2,157,557.55 |
| 2                                   | 3  | 5"E         |       |     |                 |              |
| 88                                  | 88 | N66°52'06.8 | 38.08 | 884 | 718,262.50      | 2,157,572.51 |
| 3                                   | 4  | 9"E         |       |     |                 |              |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVA |     |                |       |     |                 |              |
|-------------------------------------|-----|----------------|-------|-----|-----------------|--------------|
| LADO                                |     | RUMBO          | DIST. | V   | COORDENADAS UTM |              |
| ES                                  | PV  |                |       |     | X               | Y            |
| 884                                 | 885 | S25°09'33.02"E | 61.06 | 885 | 718,288.46      | 2,157,517.24 |
| 885                                 | 886 | N56°58'02.51"E | 24.66 | 886 | 718,309.13      | 2,157,530.68 |
| 886                                 | 887 | S73°58'46.03"E | 85.88 | 887 | 718,391.67      | 2,157,506.98 |
| 887                                 | 888 | S80°29'09.03"E | 50.88 | 888 | 718,441.85      | 2,157,498.57 |
| 888                                 | 889 | N42°37'19.10"E | 8.52  | 889 | 718,447.62      | 2,157,504.84 |
| 889                                 | 890 | N65°04'08.70"E | 80.92 | 890 | 718,374.24      | 2,157,538.95 |
| 890                                 | 891 | N33°01'47.58"E | 67.88 | 891 | 718,337.24      | 2,157,595.86 |
| 891                                 | 892 | N17°17'03.54"E | 21.57 | 892 | 718,330.83      | 2,157,616.46 |
| 892                                 | 893 | N37°42'51.75"E | 71.65 | 893 | 718,287.00      | 2,157,673.14 |
| 893                                 | 894 | N50°38'18.63"E | 60.96 | 894 | 718,239.87      | 2,157,711.80 |
| 894                                 | 895 | N14°06'46.21"E | 38.10 | 895 | 718,230.58      | 2,157,748.75 |
| 895                                 | 896 | N40°54'36.59"E | 20.52 | 896 | 718,217.14      | 2,157,764.26 |
| 896                                 | 897 | N68°37'55.58"E | 25.52 | 897 | 718,193.37      | 2,157,773.56 |
| 897                                 | 898 | N27°53'33.99"E | 19.88 | 898 | 718,184.07      | 2,157,791.13 |
| 898                                 | 899 | N12°17'32.99"E | 54.44 | 899 | 718,195.66      | 2,157,844.32 |
| 899                                 | 900 | N09°13'40.55"E | 75.95 | 900 | 718,207.84      | 2,157,919.29 |
| 900                                 | 901 | N14°37'08.08"E | 24.57 | 901 | 718,214.04      | 2,157,943.06 |
| 901                                 | 902 | N23°58'15.83"E | 20.36 | 902 | 718,222.31      | 2,157,961.66 |
| 902                                 | 903 | N70°17'53.55"E | 27.32 | 903 | 718,248.03      | 2,157,970.87 |
| 903                                 | 904 | N82°46'10.40"E | 41.79 | 904 | 718,289.49      | 2,157,976.13 |
| 904                                 | 905 | N61°55'11.28"E | 26.22 | 905 | 718,312.62      | 2,157,988.47 |
| 905                                 | 906 | N61°56'43.16"E | 26.49 | 906 | 718,336.00      | 2,158,000.93 |
| 906                                 | 907 | N41°20'55.60"E | 34.42 | 907 | 718,358.74      | 2,158,026.77 |
| 907                                 | 908 | N08°37'07.08"E | 34.50 | 908 | 718,353.57      | 2,158,060.88 |
| 908                                 | 909 | N19°26'11.84"E | 18.63 | 909 | 718,359.77      | 2,158,078.45 |
| 909                                 | 910 | N32°07'43.92"E | 43.77 | 910 | 718,383.05      | 2,158,115.52 |
| 910                                 | 911 | N27°29'36.60"E | 23.46 | 911 | 718,393.88      | 2,158,136.33 |
| 911                                 | 912 | N11°45'12.70"E | 25.33 | 912 | 718,399.04      | 2,158,161.13 |
| 912                                 | 913 | N08°52'30.72"E | 16.20 | 913 | 718,396.54      | 2,158,177.14 |
| 913                                 | 914 | N08°51'43.98"E | 17.27 | 914 | 718,393.88      | 2,158,194.20 |
| 914                                 | 915 | N35°12'44.90"E | 21.50 | 915 | 718,406.28      | 2,158,211.77 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVA |     |                |        |     |                 |              |
|-------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                                |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| ES                                  | PV  |                |        |     | X               | Y            |
| 915                                 | 916 | N64°10'48.13"E | 161.98 | 916 | 718,552.09      | 2,158,282.32 |
| 916                                 | 917 | N30°56'13.51"E | 18.42  | 917 | 718,561.56      | 2,158,298.12 |
| 917                                 | 918 | N20°42'29.40"E | 22.48  | 918 | 718,569.51      | 2,158,319.15 |
| 918                                 | 919 | N41°25'25.20"E | 0.23   | 919 | 718,569.66      | 2,158,319.32 |
| 919                                 | 920 | N28°29'35.32"E | 28.84  | 920 | 718,583.42      | 2,158,344.67 |
| 920                                 | 921 | N48°30'04.91"E | 38.09  | 921 | 718,611.95      | 2,158,369.91 |
| 921                                 | 922 | N45°00'00.00"E | 30.69  | 922 | 718,633.65      | 2,158,391.61 |
| 922                                 | 923 | N54°43'29.43"E | 58.35  | 923 | 718,681.29      | 2,158,425.31 |
| 923                                 | 924 | N60°51'24.19"E | 60.25  | 924 | 718,733.91      | 2,158,454.65 |
| 924                                 | 925 | S60°27'23.60"E | 35.63  | 925 | 718,764.91      | 2,158,437.08 |
| 925                                 | 926 | N35°32'56.05"E | 136.46 | 926 | 718,844.25      | 2,158,548.11 |
| 926                                 | 927 | N57°30'09.45"E | 95.67  | 927 | 718,924.94      | 2,158,599.51 |
| 927                                 | 928 | S25°32'42.50"E | 92.46  | 928 | 718,964.81      | 2,158,516.09 |
| 928                                 | 929 | S20°16'48.56"E | 19.45  | 929 | 718,971.55      | 2,158,497.85 |
| 929                                 | 930 | S10°00'28.73"E | 0.17   | 930 | 718,971.58      | 2,158,497.68 |
| 930                                 | 931 | S07°07'30.06"E | 0.16   | 931 | 718,971.56      | 2,158,497.52 |
| 931                                 | 932 | S13°56'57.09"E | 43.10  | 932 | 718,981.95      | 2,158,455.69 |
| 932                                 | 933 | S31°27'53.50"E | 162.36 | 933 | 718,897.20      | 2,158,317.20 |
| 933                                 | 934 | S33°15'04.95"E | 42.02  | 934 | 718,920.24      | 2,158,282.06 |
| 934                                 | 935 | S04°06'00.02"E | 119.16 | 935 | 718,911.72      | 2,158,163.20 |
| 935                                 | 936 | S00°00'00.00"E | 115.76 | 936 | 718,911.72      | 2,158,047.44 |
| 936                                 | 937 | N45°36'28.75"E | 67.97  | 937 | 718,863.15      | 2,158,094.99 |
| 937                                 | 938 | N31°29'08.02"E | 16.01  | 938 | 718,871.51      | 2,158,108.64 |
| 938                                 | 939 | N40°48'53.06"E | 57.07  | 939 | 718,834.21      | 2,158,151.83 |
| 939                                 | 940 | S44°30'31.89"E | 23.92  | 940 | 718,817.44      | 2,158,134.77 |
| 940                                 | 941 | N47°11'47.37"E | 43.36  | 941 | 718,785.63      | 2,158,164.23 |
| 941                                 | 942 | S15°25'35.22"E | 31.09  | 942 | 718,777.36      | 2,158,134.26 |
| 942                                 | 943 | S63°53'27.54"E | 86.53  | 943 | 718,855.06      | 2,158,096.18 |
| 943                                 | 944 | S45°34'18.60"E | 84.31  | 944 | 718,915.27      | 2,158,037.16 |
| 944                                 | 945 | S06°02'19.98"E | 50.19  | 945 | 718,920.55      | 2,157,987.25 |
| 945                                 | 946 | S07°08'12.28"E | 42.42  | 946 | 718,925.82      | 2,157,945.16 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVA |     |                    |            |     |                 |                  |
|-------------------------------------|-----|--------------------|------------|-----|-----------------|------------------|
| LADO                                |     | RUMBO              | DIST.      | V   | COORDENADAS UTM |                  |
| ES<br>T                             | PV  |                    |            |     | X               | Y                |
| 946                                 | 947 | S16°02'22.2<br>4"E | 15.89      | 947 | 718,930.<br>21  | 2,157,929.<br>89 |
| 947                                 | 948 | S67°38'58.4<br>5"E | 30.43      | 948 | 718,958.<br>35  | 2,157,918.<br>32 |
| 948                                 | 949 | N89°30'46.8<br>5"E | 50.59      | 949 | 719,008.<br>94  | 2,157,918.<br>75 |
| 949                                 | 950 | N76°58'45.2<br>4"E | 16.42      | 950 | 719,024.<br>94  | 2,157,922.<br>45 |
| 950                                 | 951 | N89°55'55.6<br>8"E | 33.77      | 951 | 719,058.<br>71  | 2,157,922.<br>49 |
| 951                                 | 952 | N34°56'31.3<br>8"O | 9.39       | 952 | 719,053.<br>33  | 2,157,930.<br>19 |
| 952                                 | 953 | S86°06'24.7<br>2"O | 98.83      | 953 | 718,954.<br>73  | 2,157,923.<br>48 |
| 953                                 | 954 | N51°20'57.1<br>9"O | 9.91       | 954 | 718,946.<br>99  | 2,157,929.<br>67 |
| 954                                 | 955 | N32°54'35.1<br>1"O | 31.36      | 955 | 718,929.<br>95  | 2,157,956.<br>00 |
| 955                                 | 956 | N80°13'17.1<br>8"E | 30.38      | 956 | 718,959.<br>89  | 2,157,961.<br>16 |
| 956                                 | 957 | N07°18'54.3<br>3"O | 53.09      | 957 | 718,953.<br>13  | 2,158,013.<br>82 |
| 957                                 | 958 | S85°58'31.0<br>2"O | 29.49      | 958 | 718,923.<br>71  | 2,158,011.<br>75 |
| 958                                 | 959 | N05°03'59.4<br>6"O | 104.6<br>3 | 959 | 718,914.<br>47  | 2,158,115.<br>97 |
| 959                                 | 960 | N05°36'56.4<br>8"E | 108.7<br>3 | 960 | 718,925.<br>11  | 2,158,224.<br>18 |
| 960                                 | 961 | N67°17'19.1<br>4"E | 48.18      | 961 | 718,969.<br>55  | 2,158,242.<br>78 |
| 961                                 | 962 | N32°38'29.5<br>8"E | 187.7<br>9 | 962 | 719,070.<br>84  | 2,158,400.<br>91 |
| 962                                 | 963 | N43°49'28.8<br>5"O | 56.19      | 963 | 719,031.<br>93  | 2,158,441.<br>45 |
| 963                                 | 964 | N74°29'06.2<br>9"E | 93.42      | 964 | 719,121.<br>95  | 2,158,466.<br>44 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVB |    |                    |            |    |                 |                  |
|-------------------------------------|----|--------------------|------------|----|-----------------|------------------|
| LADO                                |    | RUMBO              | DIST.      | V  | COORDENADAS UTM |                  |
| ES<br>T                             | PV |                    |            |    | X               | Y                |
|                                     |    |                    |            | 1  | 718,210.8<br>5  | 2,155,063.<br>50 |
| 1                                   | 2  | S31°28'05.49"<br>E | 300.9<br>6 | 2  | 718,367.9<br>6  | 2,154,806.<br>80 |
| 2                                   | 3  | S34°57'15.80"<br>E | 16.22      | 3  | 718,377.2<br>5  | 2,154,793.<br>51 |
| 3                                   | 4  | S22°33'35.09"<br>E | 81.38      | 4  | 718,408.4<br>7  | 2,154,718.<br>36 |
| 4                                   | 5  | S01°40'33.57"<br>O | 63.94      | 5  | 718,406.6<br>0  | 2,154,654.<br>45 |
| 5                                   | 6  | S01°40'59.70"<br>O | 23.49      | 6  | 718,405.9<br>1  | 2,154,630.<br>97 |
| 6                                   | 7  | S28°18'11.26"<br>E | 16.37      | 7  | 718,413.6<br>7  | 2,154,616.<br>56 |
| 7                                   | 8  | S39°52'37.63"<br>O | 58.44      | 8  | 718,376.2<br>0  | 2,154,571.<br>71 |
| 8                                   | 9  | S21°29'47.19"<br>E | 93.85      | 9  | 718,410.5<br>9  | 2,154,484.<br>39 |
| 9                                   | 10 | S18°38'48.25"<br>E | 113.7<br>8 | 10 | 718,446.9<br>7  | 2,154,376.<br>58 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVA |     |                    |            |     |                 |                  |
|-------------------------------------|-----|--------------------|------------|-----|-----------------|------------------|
| LADO                                |     | RUMBO              | DIST.      | V   | COORDENADAS UTM |                  |
| ES<br>T                             | PV  |                    |            |     | X               | Y                |
| 964                                 | 965 | N68°44'21.3<br>7"E | 101.5<br>4 | 965 | 719,216.<br>58  | 2,158,503.<br>26 |
| 965                                 | 966 | N49°58'44.2<br>9"E | 201.5<br>6 | 966 | 719,370.<br>94  | 2,158,632.<br>88 |
| 966                                 | 967 | N64°40'50.0<br>2"E | 22.42      | 967 | 719,391.<br>21  | 2,158,642.<br>47 |
| 967                                 | 968 | N84°42'33.6<br>9"E | 18.87      | 968 | 719,410.<br>00  | 2,158,644.<br>21 |
| 968                                 | 969 | S83°17'24.5<br>9"E | 0.17       | 969 | 719,410.<br>17  | 2,158,644.<br>19 |
| 969                                 | 970 | S74°47'48.4<br>1"E | 22.27      | 970 | 719,431.<br>66  | 2,158,638.<br>35 |
| 970                                 | 971 | S54°37'04.5<br>1"E | 29.96      | 971 | 719,456.<br>09  | 2,158,621.<br>00 |
| 971                                 | 972 | S69°24'14.3<br>0"E | 6.71       | 972 | 719,462.<br>37  | 2,158,618.<br>64 |
| 972                                 | 973 | S55°00'28.7<br>3"E | 0.24       | 973 | 719,462.<br>57  | 2,158,618.<br>50 |
| 973                                 | 974 | S32°44'06.8<br>1"E | 0.17       | 974 | 719,462.<br>66  | 2,158,618.<br>36 |
| 974                                 | 975 | S21°29'28.5<br>6"E | 30.19      | 975 | 719,473.<br>72  | 2,158,590.<br>27 |
| 975                                 | 976 | S11°18'35.7<br>6"E | 0.15       | 976 | 719,473.<br>75  | 2,158,590.<br>12 |
| 976                                 | 977 | S03°48'50.6<br>7"O | 0.15       | 977 | 719,473.<br>74  | 2,158,589.<br>97 |
| 977                                 | 978 | S32°08'30.5<br>4"O | 46.30      | 978 | 719,449.<br>11  | 2,158,550.<br>77 |
| 978                                 | 979 | S49°05'28.4<br>8"E | 41.03      | 979 | 719,480.<br>12  | 2,158,523.<br>90 |
| 979                                 | 980 | S21°45'37.1<br>3"O | 253.7<br>2 | 980 | 719,386.<br>06  | 2,158,288.<br>26 |
| 980                                 | 389 | S70°58'51.5<br>6"E | 65.15      | 389 | 719,447.<br>65  | 2,158,267.<br>03 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVB |    |                    |       |    |                 |                  |
|-------------------------------------|----|--------------------|-------|----|-----------------|------------------|
| LADO                                |    | RUMBO              | DIST. | V  | COORDENADAS UTM |                  |
| ES<br>T                             | PV |                    |       |    | X               | Y                |
| 10                                  | 11 | S57°50'28.93"<br>E | 54.69 | 11 | 718,493.2<br>7  | 2,154,347.<br>47 |
| 11                                  | 12 | N62°50'11.18"<br>E | 56.51 | 12 | 718,543.5<br>5  | 2,154,373.<br>27 |
| 12                                  | 13 | S59°44'31.44"<br>E | 27.57 | 13 | 718,567.3<br>6  | 2,154,359.<br>38 |
| 13                                  | 14 | S24°33'40.76"<br>E | 25.45 | 14 | 718,577.9<br>4  | 2,154,336.<br>23 |
| 14                                  | 15 | N58°28'36.40"<br>E | 12.47 | 15 | 718,588.5<br>7  | 2,154,342.<br>75 |
| 15                                  | 16 | S20°22'54.73"<br>O | 67.76 | 16 | 718,564.9<br>7  | 2,154,279.<br>23 |
| 16                                  | 17 | S00°34'43.41"<br>O | 47.52 | 17 | 718,564.4<br>9  | 2,154,231.<br>71 |
| 17                                  | 18 | S02°01'24.53"<br>E | 38.23 | 18 | 718,565.8<br>4  | 2,154,193.<br>50 |
| 18                                  | 19 | S02°20'24.29"<br>O | 42.13 | 19 | 718,564.1<br>2  | 2,154,151.<br>41 |
| 19                                  | 20 | S12°05'41.13"<br>O | 0.14  | 20 | 718,564.0<br>9  | 2,154,151.<br>27 |
| 20                                  | 21 | S19°13'05.24"<br>O | 21.05 | 21 | 718,557.1<br>6  | 2,154,131.<br>39 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVB |    |                 |        |    |                 |              |
|-------------------------------------|----|-----------------|--------|----|-----------------|--------------|
| LADO                                |    | RUMBO           | DIST.  | V  | COORDENADAS UTM |              |
| ES                                  | PV |                 |        |    | X               | Y            |
| 21                                  | 22 | S52°35'30.31" O | 37.04  | 22 | 718,527.74      | 2,154,108.89 |
| 22                                  | 23 | N86°29'34.89" O | 111.82 | 23 | 718,416.13      | 2,154,115.73 |
| 23                                  | 24 | S33°31'11.86" O | 15.88  | 24 | 718,407.36      | 2,154,102.49 |
| 24                                  | 25 | S04°26'53.15" O | 26.69  | 25 | 718,405.29      | 2,154,075.88 |
| 25                                  | 26 | S08°43'30.86" E | 49.97  | 26 | 718,412.87      | 2,154,026.49 |
| 26                                  | 27 | S80°55'52.69" E | 71.31  | 27 | 718,483.29      | 2,154,015.25 |
| 27                                  | 28 | S27°46'14.31" E | 35.28  | 28 | 718,499.73      | 2,153,984.03 |
| 28                                  | 29 | S01°19'53.65" E | 184.61 | 29 | 718,504.02      | 2,153,799.47 |
| 29                                  | 30 | S10°24'37.45" E | 42.72  | 30 | 718,511.74      | 2,153,757.45 |
| 30                                  | 31 | S13°35'10.40" E | 80.29  | 31 | 718,530.60      | 2,153,679.41 |
| 31                                  | 32 | S30°22'42.72" E | 28.71  | 32 | 718,545.12      | 2,153,654.64 |
| 32                                  | 33 | S47°51'17.66" E | 24.28  | 33 | 718,563.12      | 2,153,638.35 |
| 33                                  | 34 | S43°36'07.29" E | 24.93  | 34 | 718,580.31      | 2,153,620.30 |
| 34                                  | 35 | S40°36'04.66" E | 23.79  | 35 | 718,595.79      | 2,153,602.24 |
| 35                                  | 36 | S29°29'28.25" E | 22.69  | 36 | 718,606.96      | 2,153,582.49 |
| 36                                  | 37 | S41°21'09.41" E | 28.46  | 37 | 718,625.76      | 2,153,561.13 |
| 37                                  | 38 | S58°39'53.41" E | 23.02  | 38 | 718,645.42      | 2,153,549.16 |
| 38                                  | 39 | S65°27'43.24" E | 43.37  | 39 | 718,684.87      | 2,153,531.15 |
| 39                                  | 40 | S68°58'47.45" E | 11.85  | 40 | 718,695.93      | 2,153,526.90 |
| 40                                  | 41 | N89°11'36.76" E | 17.05  | 41 | 718,712.98      | 2,153,527.14 |
| 41                                  | 42 | S71°34'28.04" E | 38.54  | 42 | 718,749.54      | 2,153,514.96 |
| 42                                  | 43 | S68°11'54.93" E | 45.83  | 43 | 718,792.09      | 2,153,497.94 |
| 43                                  | 44 | S61°41'57.28" E | 0.15   | 44 | 718,792.22      | 2,153,497.87 |
| 44                                  | 45 | S42°16'25.28" E | 0.15   | 45 | 718,792.32      | 2,153,497.76 |
| 45                                  | 46 | S16°24'11.59" E | 75.64  | 46 | 718,813.68      | 2,153,425.20 |
| 46                                  | 47 | S02°20'03.42" E | 208.69 | 47 | 718,822.18      | 2,153,216.68 |
| 47                                  | 48 | S28°18'07.16" O | 63.00  | 48 | 718,792.31      | 2,153,161.21 |
| 48                                  | 49 | S42°30'08.85" O | 57.28  | 49 | 718,753.61      | 2,153,118.98 |
| 49                                  | 50 | S63°26'25.21" O | 47.57  | 50 | 718,711.06      | 2,153,097.71 |
| 50                                  | 51 | S18°26'42.19" O | 53.79  | 51 | 718,694.04      | 2,153,046.68 |
| 51                                  | 52 | S00°00'00.00" O | 34.02  | 52 | 718,694.04      | 2,153,012.66 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVB |    |                 |        |    |                 |              |
|-------------------------------------|----|-----------------|--------|----|-----------------|--------------|
| LADO                                |    | RUMBO           | DIST.  | V  | COORDENADAS UTM |              |
| ES                                  | PV |                 |        |    | X               | Y            |
| 52                                  | 53 | S34°40'47.76" E | 249.97 | 53 | 718,836.27      | 2,152,807.10 |
| 53                                  | 54 | S06°42'35.41" E | 0.17   | 54 | 718,836.29      | 2,152,806.93 |
| 54                                  | 55 | S16°23'22.35" O | 0.18   | 55 | 718,836.24      | 2,152,806.76 |
| 55                                  | 56 | S15°29'05.08" E | 19.48  | 56 | 718,841.44      | 2,152,787.99 |
| 56                                  | 57 | S20°00'44.99" O | 73.29  | 57 | 718,816.36      | 2,152,719.13 |
| 57                                  | 58 | S32°29'43.91" O | 37.92  | 58 | 718,795.99      | 2,152,687.15 |
| 58                                  | 59 | S36°53'22.71" O | 29.02  | 59 | 718,778.57      | 2,152,663.94 |
| 59                                  | 60 | S29°04'23.48" O | 29.94  | 60 | 718,764.02      | 2,152,637.77 |
| 60                                  | 61 | S37°45'20.57" O | 200.13 | 61 | 718,641.48      | 2,152,479.54 |
| 61                                  | 62 | N73°22'10.67" O | 109.96 | 62 | 718,536.12      | 2,152,511.01 |
| 62                                  | 63 | S59°01'45.00" O | 27.77  | 63 | 718,512.31      | 2,152,496.72 |
| 63                                  | 64 | S86°49'19.27" O | 85.86  | 64 | 718,426.58      | 2,152,491.96 |
| 64                                  | 65 | S51°20'24.69" O | 40.66  | 65 | 718,394.83      | 2,152,466.56 |
| 65                                  | 66 | S76°45'38.39" E | 83.18  | 66 | 718,475.80      | 2,152,447.51 |
| 66                                  | 67 | S21°07'09.72" E | 74.88  | 67 | 718,502.78      | 2,152,377.66 |
| 67                                  | 68 | S85°23'30.69" E | 58.75  | 68 | 718,561.34      | 2,152,372.94 |
| 68                                  | 69 | S19°25'20.73" O | 120.92 | 69 | 718,521.13      | 2,152,258.90 |
| 69                                  | 70 | N34°21'08.52" O | 36.47  | 70 | 718,500.55      | 2,152,289.01 |
| 70                                  | 71 | S84°26'14.00" O | 51.68  | 71 | 718,449.11      | 2,152,284.00 |
| 71                                  | 72 | S39°59'12.79" O | 33.18  | 72 | 718,427.79      | 2,152,258.58 |
| 72                                  | 73 | S44°10'17.41" O | 64.55  | 73 | 718,382.81      | 2,152,212.28 |
| 73                                  | 74 | S23°49'56.89" O | 62.19  | 74 | 718,357.68      | 2,152,155.39 |
| 74                                  | 75 | S14°52'20.74" O | 63.82  | 75 | 718,341.30      | 2,152,093.71 |
| 75                                  | 76 | S48°40'04.55" O | 36.14  | 76 | 718,314.16      | 2,152,069.84 |
| 76                                  | 77 | S15°45'36.64" O | 36.12  | 77 | 718,304.35      | 2,152,035.08 |
| 77                                  | 78 | S12°04'05.29" E | 21.05  | 78 | 718,308.75      | 2,152,014.50 |
| 78                                  | 79 | S21°06'02.21" E | 104.30 | 79 | 718,346.30      | 2,151,917.19 |
| 79                                  | 80 | S22°51'38.36" O | 79.26  | 80 | 718,315.51      | 2,151,844.16 |
| 80                                  | 81 | S55°06'47.81" E | 45.02  | 81 | 718,352.44      | 2,151,818.41 |
| 81                                  | 82 | S77°29'49.98" E | 54.92  | 82 | 718,406.06      | 2,151,806.52 |
| 82                                  | 83 | S16°49'38.00" E | 37.31  | 83 | 718,416.86      | 2,151,770.81 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVB |         |                    |            |         |                 |                  |
|-------------------------------------|---------|--------------------|------------|---------|-----------------|------------------|
| LADO<br>ES<br>T                     | PV      | RUMBO              | DIST.      | V       | COORDENADAS UTM |                  |
|                                     |         |                    |            |         | X               | Y                |
| 83                                  | 84      | S23°25'44.84"<br>E | 40.79      | 84      | 718,433.0<br>8  | 2,151,733.<br>38 |
| 84                                  | 85      | S35°08'17.40"<br>E | 43.68      | 85      | 718,458.2<br>2  | 2,151,697.<br>66 |
| 85                                  | 86      | S85°02'24.05"<br>E | 30.53      | 86      | 718,488.6<br>4  | 2,151,695.<br>02 |
| 86                                  | 87      | S17°10'07.91"<br>E | 70.70      | 87      | 718,509.5<br>1  | 2,151,627.<br>47 |
| 87                                  | 88      | N83°24'29.25"<br>E | 152.1<br>0 | 88      | 718,660.6<br>0  | 2,151,644.<br>93 |
| 88                                  | 89      | N54°00'01.45"<br>E | 43.98      | 89      | 718,696.1<br>8  | 2,151,670.<br>78 |
| 89                                  | 90      | S76°29'25.25"<br>E | 24.01      | 90      | 718,719.5<br>3  | 2,151,665.<br>17 |
| 90                                  | 91      | S25°39'17.51"<br>E | 40.26      | 91      | 718,736.9<br>6  | 2,151,628.<br>88 |
| 91                                  | 92      | S13°59'33.23"<br>O | 85.90      | 92      | 718,716.1<br>9  | 2,151,545.<br>53 |
| 92                                  | 93      | S07°24'52.21"<br>E | 30.69      | 93      | 718,720.1<br>5  | 2,151,515.<br>10 |
| 93                                  | 94      | S29°52'56.77"<br>E | 93.51      | 94      | 718,766.7<br>4  | 2,151,434.<br>02 |
| 94                                  | 95      | S27°18'22.57"<br>O | 78.47      | 95      | 718,730.7<br>4  | 2,151,364.<br>29 |
| 95                                  | 96      | S17°57'47.26"<br>E | 51.46      | 96      | 718,746.6<br>1  | 2,151,315.<br>34 |
| 96                                  | 97      | S73°36'49.24"<br>E | 70.33      | 97      | 718,814.0<br>8  | 2,151,295.<br>50 |
| 97                                  | 98      | S27°27'48.47"<br>E | 63.03      | 98      | 718,843.1<br>5  | 2,151,239.<br>57 |
| 98                                  | 99      | S38°53'59.78"<br>E | 156.5<br>1 | 99      | 718,941.4<br>3  | 2,151,117.<br>77 |
| 99                                  | 10<br>0 | S51°21'03.16"<br>E | 50.24      | 10<br>0 | 718,980.6<br>7  | 2,151,086.<br>39 |
| 10<br>0                             | 1       | S72°57'37.45"<br>E | 82.07      | 10<br>1 | 719,059.1<br>4  | 2,151,062.<br>34 |
| 10<br>1                             | 2       | S79°53'30.13"<br>E | 143.9<br>2 | 10<br>2 | 719,200.8<br>3  | 2,151,037.<br>08 |
| 10<br>2                             | 3       | N84°54'56.07"<br>E | 63.19      | 10<br>3 | 719,263.7<br>7  | 2,151,042.<br>68 |
| 10<br>3                             | 4       | S08°00'13.92"<br>E | 20.54      | 10<br>4 | 719,266.6<br>3  | 2,151,022.<br>34 |
| 10<br>4                             | 5       | S27°48'36.12"<br>E | 73.07      | 10<br>5 | 719,300.7<br>2  | 2,150,957.<br>71 |
| 10<br>5                             | 6       | S32°44'56.27"<br>E | 62.65      | 10<br>6 | 719,334.6<br>1  | 2,150,905.<br>02 |
| 10<br>6                             | 7       | S02°23'23.94"<br>E | 94.48      | 10<br>7 | 719,338.5<br>5  | 2,150,810.<br>62 |
| 10<br>7                             | 8       | S28°37'21.07"<br>E | 147.8<br>6 | 10<br>8 | 719,409.3<br>8  | 2,150,680.<br>83 |
| 10<br>8                             | 9       | S17°23'44.87"<br>E | 178.3<br>8 | 10<br>9 | 719,462.7<br>1  | 2,150,510.<br>61 |
| 10<br>9                             | 10      | S33°57'13.54"<br>E | 49.42      | 11<br>0 | 719,490.3<br>1  | 2,150,469.<br>62 |
| 11<br>0                             | 11      | S21°01'54.03"<br>E | 28.20      | 11<br>1 | 719,500.4<br>3  | 2,150,443.<br>30 |
| 11<br>1                             | 12      | N89°59'56.94"<br>E | 67.34      | 11<br>2 | 719,567.7<br>7  | 2,150,443.<br>30 |
| 11<br>2                             | 13      | S62°15'35.86"<br>E | 57.84      | 11<br>3 | 719,618.9<br>6  | 2,150,416.<br>38 |
| 11<br>3                             | 14      | S28°30'36.28"<br>E | 31.89      | 11<br>4 | 719,634.1<br>8  | 2,150,388.<br>36 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVB |         |                    |            |         |                 |                  |
|-------------------------------------|---------|--------------------|------------|---------|-----------------|------------------|
| LADO<br>ES<br>T                     | PV      | RUMBO              | DIST.      | V       | COORDENADAS UTM |                  |
|                                     |         |                    |            |         | X               | Y                |
| 11<br>4                             | 11<br>5 | S27°31'55.46"<br>E | 56.44      | 11<br>5 | 719,660.2<br>7  | 2,150,338.<br>31 |
| 11<br>5                             | 11<br>6 | N68°34'12.38'<br>E | 239.1<br>3 | 11<br>6 | 719,882.8<br>7  | 2,150,425.<br>68 |
| 11<br>6                             | 11<br>7 | S46°37'03.51"<br>E | 80.66      | 11<br>7 | 719,941.4<br>9  | 2,150,370.<br>28 |
| 11<br>7                             | 11<br>8 | S37°38'43.86"<br>E | 227.9<br>7 | 11<br>8 | 720,080.7<br>3  | 2,150,189.<br>77 |
| 11<br>8                             | 11<br>9 | S51°12'16.63"<br>O | 157.0<br>8 | 11<br>9 | 719,958.3<br>0  | 2,150,091.<br>35 |
| 11<br>9                             | 12<br>0 | N66°28'34.21'<br>O | 69.63      | 12<br>0 | 719,894.4<br>6  | 2,150,119.<br>14 |
| 12<br>0                             | 12<br>1 | S43°26'58.10"<br>O | 83.10      | 12<br>1 | 719,837.3<br>1  | 2,150,058.<br>81 |
| 12<br>1                             | 12<br>2 | S29°44'41.57"<br>O | 51.20      | 12<br>2 | 719,811.9<br>1  | 2,150,014.<br>36 |
| 12<br>2                             | 12<br>3 | S01°01'28.71"<br>O | 88.91      | 12<br>3 | 719,810.3<br>2  | 2,149,925.<br>46 |
| 12<br>3                             | 12<br>4 | S34°02'39.51"<br>O | 70.88      | 12<br>4 | 719,770.6<br>4  | 2,149,866.<br>73 |
| 12<br>4                             | 12<br>5 | S29°35'44.59"<br>E | 228.2<br>1 | 12<br>5 | 719,883.3<br>5  | 2,149,668.<br>29 |
| 12<br>5                             | 12<br>6 | N55°42'05.33'<br>E | 290.1<br>7 | 12<br>6 | 720,123.0<br>6  | 2,149,831.<br>80 |
| 12<br>6                             | 12<br>7 | N17°45'10.26'<br>O | 56.05      | 12<br>7 | 720,105.9<br>7  | 2,149,885.<br>18 |
| 12<br>7                             | 12<br>8 | N58°26'41.53'<br>E | 166.9<br>9 | 12<br>8 | 720,248.2<br>7  | 2,149,972.<br>57 |
| 12<br>8                             | 12<br>9 | S37°37'50.04"<br>E | 202.9<br>3 | 12<br>9 | 720,372.1<br>7  | 2,149,811.<br>86 |
| 12<br>9                             | 13<br>0 | S09°58'09.04"<br>E | 124.8<br>9 | 13<br>0 | 720,393.7<br>9  | 2,149,688.<br>86 |
| 13<br>0                             | 13<br>1 | S19°11'49.58"<br>E | 391.3<br>1 | 13<br>1 | 720,522.4<br>6  | 2,149,319.<br>31 |
| 13<br>1                             | 13<br>2 | S39°29'17.01"<br>E | 228.5<br>0 | 13<br>2 | 720,667.7<br>2  | 2,149,142.<br>96 |
| 13<br>2                             | 13<br>3 | S24°46'30.51"<br>E | 0.14       | 13<br>3 | 720,667.8<br>3  | 2,149,142.<br>83 |
| 13<br>3                             | 13<br>4 | S14°45'07.73"<br>E | 101.9<br>1 | 13<br>4 | 720,693.7<br>8  | 2,149,044.<br>28 |
| 13<br>4                             | 13<br>5 | S18°26'28.53"<br>E | 114.8<br>5 | 13<br>5 | 720,730.1<br>1  | 2,148,935.<br>33 |
| 13<br>5                             | 13<br>6 | S09°39'59.05"<br>E | 247.3<br>9 | 13<br>6 | 720,771.6<br>5  | 2,148,691.<br>45 |
| 13<br>6                             | 13<br>7 | S05°14'52.85"<br>E | 505.3<br>2 | 13<br>7 | 720,817.8<br>7  | 2,148,188.<br>25 |
| 13<br>7                             | 13<br>8 | S27°02'22.80"<br>O | 24.83      | 13<br>8 | 720,806.5<br>8  | 2,148,166.<br>13 |
| 13<br>8                             | 13<br>9 | S49°04'02.27"<br>E | 226.9<br>0 | 13<br>9 | 720,978.0<br>0  | 2,148,017.<br>47 |
| 13<br>9                             | 14<br>0 | S61°40'16.04"<br>E | 263.5<br>6 | 14<br>0 | 721,210.0<br>0  | 2,147,892.<br>40 |
| 14<br>0                             | 14<br>1 | S05°00'37.89"<br>E | 162.4<br>7 | 14<br>1 | 721,224.1<br>9  | 2,147,730.<br>55 |
| 14<br>1                             | 14<br>2 | S06°52'50.10"<br>O | 60.18      | 14<br>2 | 721,216.9<br>8  | 2,147,670.<br>80 |
| 14<br>2                             | 14<br>3 | S01°40'15.93"<br>O | 163.5<br>7 | 14<br>3 | 721,212.2<br>1  | 2,147,507.<br>30 |
| 14<br>3                             | 14<br>4 | S43°18'27.20"<br>E | 52.19      | 14<br>4 | 721,248.0<br>1  | 2,147,469.<br>32 |
| 14<br>4                             | 14<br>5 | S25°01'14.67"<br>E | 80.98      | 14<br>5 | 721,282.2<br>6  | 2,147,395.<br>94 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVB |     |                |        |     |                 |              |
|-------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                                |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| ES                                  | PV  |                |        |     | X               | Y            |
| 145                                 | 146 | S01°56'49.73"E | 78.88  | 146 | 721,284.94      | 2,147,317.11 |
| 146                                 | 147 | S39°43'29.75"E | 58.22  | 147 | 721,322.15      | 2,147,272.33 |
| 147                                 | 148 | S20°51'44.64"E | 28.89  | 148 | 721,332.44      | 2,147,245.33 |
| 148                                 | 149 | S02°02'27.24"E | 58.97  | 149 | 721,334.54      | 2,147,186.40 |
| 149                                 | 150 | S36°43'28.02"E | 21.27  | 150 | 721,347.26      | 2,147,169.35 |
| 150                                 | 151 | S63°19'02.78"E | 104.67 | 151 | 721,440.78      | 2,147,122.35 |
| 151                                 | 152 | S51°00'19.82"E | 36.36  | 152 | 721,469.04      | 2,147,099.47 |
| 152                                 | 153 | S83°23'12.77"E | 48.45  | 153 | 721,517.17      | 2,147,093.89 |
| 153                                 | 154 | S67°40'37.71"E | 17.96  | 154 | 721,533.78      | 2,147,087.07 |
| 154                                 | 155 | S50°12'21.76"E | 120.01 | 155 | 721,625.99      | 2,147,010.26 |
| 155                                 | 156 | N74°30'58.96'E | 20.45  | 156 | 721,645.70      | 2,147,015.72 |
| 156                                 | 157 | N39°34'35.52'E | 20.50  | 157 | 721,658.76      | 2,147,031.52 |
| 157                                 | 158 | N00°45'16.77'O | 37.20  | 158 | 721,658.27      | 2,147,068.72 |
| 158                                 | 159 | N15°38'32.09'E | 0.26   | 159 | 721,658.34      | 2,147,068.97 |
| 159                                 | 160 | N37°34'06.93'E | 0.16   | 160 | 721,658.44      | 2,147,069.10 |
| 160                                 | 161 | N62°26'49.88'E | 0.26   | 161 | 721,658.67      | 2,147,069.22 |
| 161                                 | 162 | N78°10'29.46'E | 21.37  | 162 | 721,679.59      | 2,147,073.60 |
| 162                                 | 163 | N28°55'26.33'E | 16.19  | 163 | 721,687.42      | 2,147,087.77 |
| 163                                 | 164 | N04°41'47.72'O | 41.16  | 164 | 721,684.05      | 2,147,128.79 |
| 164                                 | 165 | S53°16'41.10"E | 66.60  | 165 | 721,737.43      | 2,147,088.97 |
| 165                                 | 166 | S27°20'41.63"E | 38.77  | 166 | 721,755.24      | 2,147,054.53 |
| 166                                 | 167 | S05°20'40.97"E | 59.37  | 167 | 721,760.77      | 2,146,995.42 |
| 167                                 | 168 | S53°34'55.39"E | 57.81  | 168 | 721,807.29      | 2,146,961.10 |
| 168                                 | 169 | N81°38'59.25'E | 19.14  | 169 | 721,826.23      | 2,146,963.88 |
| 169                                 | 170 | N42°14'09.41'E | 28.59  | 170 | 721,845.45      | 2,146,985.05 |
| 170                                 | 171 | N51°24'03.98'E | 45.54  | 171 | 721,881.04      | 2,147,013.46 |
| 171                                 | 172 | N07°01'55.64'E | 31.37  | 172 | 721,884.88      | 2,147,044.59 |
| 172                                 | 173 | N07°38'03.20'O | 45.92  | 173 | 721,878.78      | 2,147,090.10 |
| 173                                 | 174 | N72°17'03.15'E | 0.76   | 174 | 721,879.50      | 2,147,090.33 |
| 174                                 | 175 | S27°49'51.07"E | 100.01 | 175 | 721,926.19      | 2,147,001.89 |
| 175                                 | 176 | S39°52'02.80"E | 33.20  | 176 | 721,947.47      | 2,146,976.41 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVB |     |                |        |     |                 |              |
|-------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                                |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| ES                                  | PV  |                |        |     | X               | Y            |
| 176                                 | 177 | S65°11'52.34"E | 7.41   | 177 | 721,954.20      | 2,146,973.30 |
| 177                                 | 178 | S25°50'59.54"E | 29.38  | 178 | 721,967.01      | 2,146,946.86 |
| 178                                 | 179 | S81°29'52.73"E | 20.70  | 179 | 721,987.48      | 2,146,943.80 |
| 179                                 | 180 | N38°16'41.09'E | 27.43  | 180 | 722,004.47      | 2,146,965.33 |
| 180                                 | 181 | N67°08'33.02'E | 16.32  | 181 | 722,019.51      | 2,146,971.67 |
| 181                                 | 182 | S81°30'07.92"E | 34.38  | 182 | 722,053.51      | 2,146,966.59 |
| 182                                 | 183 | S29°49'49.82"E | 63.91  | 183 | 722,085.30      | 2,146,911.15 |
| 183                                 | 184 | S43°33'36.74"E | 56.57  | 184 | 722,124.28      | 2,146,870.16 |
| 184                                 | 185 | S22°02'34.45"E | 37.89  | 185 | 722,138.50      | 2,146,835.04 |
| 185                                 | 186 | S09°04'29.13"E | 18.96  | 186 | 722,141.49      | 2,146,816.32 |
| 186                                 | 187 | S26°25'13.97"E | 17.73  | 187 | 722,149.38      | 2,146,800.44 |
| 187                                 | 188 | S48°57'03.93"E | 14.16  | 188 | 722,160.06      | 2,146,791.14 |
| 188                                 | 189 | N28°07'00.32'E | 76.13  | 189 | 722,195.94      | 2,146,858.29 |
| 189                                 | 190 | S16°23'56.68"E | 200.02 | 190 | 722,252.41      | 2,146,666.41 |
| 190                                 | 191 | S02°23'09.40"E | 0.24   | 191 | 722,252.42      | 2,146,666.17 |
| 191                                 | 192 | S18°26'05.82"E | 0.16   | 192 | 722,252.37      | 2,146,666.02 |
| 192                                 | 193 | S37°34'06.93"E | 0.16   | 193 | 722,252.27      | 2,146,665.89 |
| 193                                 | 194 | S60°15'18.43"E | 0.16   | 194 | 722,252.13      | 2,146,665.81 |
| 194                                 | 195 | S80°32'15.64"E | 0.24   | 195 | 722,251.89      | 2,146,665.77 |
| 195                                 | 196 | N85°39'02.46'O | 380.82 | 196 | 721,872.17      | 2,146,694.65 |
| 196                                 | 197 | S43°21'07.51"E | 155.15 | 197 | 721,765.66      | 2,146,581.83 |
| 197                                 | 198 | S56°58'34.08"E | 0.24   | 198 | 721,765.48      | 2,146,581.70 |
| 198                                 | 199 | S82°34'06.93"E | 0.23   | 199 | 721,765.23      | 2,146,581.67 |
| 199                                 | 200 | N70°01'00.82'O | 0.23   | 200 | 721,765.01      | 2,146,581.75 |
| 200                                 | 201 | N55°55'36.11'O | 347.90 | 201 | 721,476.84      | 2,146,776.66 |
| 201                                 | 202 | S82°52'29.94"E | 0.16   | 202 | 721,476.68      | 2,146,776.64 |
| 202                                 | 203 | N69°26'38.24'O | 0.26   | 203 | 721,476.44      | 2,146,776.73 |
| 203                                 | 204 | N55°57'10.57'O | 56.98  | 204 | 721,429.23      | 2,146,808.63 |
| 204                                 | 205 | N76°09'08.38'O | 246.13 | 205 | 721,190.25      | 2,146,867.54 |
| 205                                 | 206 | S50°32'19.29"E | 548.29 | 206 | 720,766.94      | 2,146,519.07 |
| 206                                 | 207 | N34°58'07.54'O | 161.45 | 207 | 720,674.41      | 2,146,651.37 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVB |     |                  |        |     |                 |              |
|-------------------------------------|-----|------------------|--------|-----|-----------------|--------------|
| LADO                                |     | RUMBO            | DIST.  | V   | COORDENADAS UTM |              |
| ES                                  | PV  |                  |        |     | X               | Y            |
| 207                                 | 208 | N58°41'06.37" 'O | 66.32  | 208 | 720,617.75      | 2,146,685.84 |
| 208                                 | 209 | N43°44'46.16" 'O | 136.04 | 209 | 720,523.68      | 2,146,784.12 |
| 209                                 | 210 | N16°07'18.39" 'O | 120.03 | 210 | 720,490.35      | 2,146,899.43 |
| 210                                 | 211 | N09°05'25.00" 'E | 0.25   | 211 | 720,490.39      | 2,146,899.68 |
| 211                                 | 212 | N23°14'18.18" 'E | 60.50  | 212 | 720,514.26      | 2,146,955.27 |
| 212                                 | 213 | N00°06'43.71" 'O | 71.53  | 213 | 720,514.12      | 2,147,026.80 |
| 213                                 | 214 | N17°16'14.92" 'O | 29.57  | 214 | 720,505.34      | 2,147,055.04 |
| 214                                 | 215 | N48°14'15.98" 'O | 39.56  | 215 | 720,475.83      | 2,147,081.39 |
| 215                                 | 216 | N70°41'54.05" 'O | 163.07 | 216 | 720,321.93      | 2,147,135.29 |
| 216                                 | 217 | N52°23'10.37" 'O | 43.29  | 217 | 720,287.64      | 2,147,161.71 |
| 217                                 | 218 | N83°24'36.47" 'E | 27.62  | 218 | 720,315.08      | 2,147,164.88 |
| 218                                 | 219 | S81°44'25.54" 'E | 135.81 | 219 | 720,449.48      | 2,147,145.37 |
| 219                                 | 220 | N42°36'35.74" 'E | 44.93  | 220 | 720,479.90      | 2,147,178.44 |
| 220                                 | 221 | N06°04'22.94" 'E | 125.05 | 221 | 720,493.13      | 2,147,302.79 |
| 221                                 | 222 | N18°26'15.56" 'O | 66.94  | 222 | 720,471.96      | 2,147,366.29 |
| 222                                 | 223 | N42°07'57.84" 'O | 37.46  | 223 | 720,446.83      | 2,147,394.07 |
| 223                                 | 224 | S04°23'27.81" 'O | 17.24  | 224 | 720,445.51      | 2,147,376.88 |
| 224                                 | 225 | S63°26'05.82" 'O | 26.63  | 225 | 720,421.69      | 2,147,364.97 |
| 225                                 | 226 | S31°07'58.32" 'E | 41.84  | 226 | 720,443.32      | 2,147,329.16 |
| 226                                 | 227 | S03°05'21.75" 'O | 33.03  | 227 | 720,441.54      | 2,147,296.18 |
| 227                                 | 228 | S32°54'58.15" 'O | 49.28  | 228 | 720,414.76      | 2,147,254.81 |
| 228                                 | 229 | N66°59'28.79" 'O | 36.05  | 229 | 720,381.58      | 2,147,268.90 |
| 229                                 | 230 | N20°01'04.62" 'E | 46.36  | 230 | 720,397.45      | 2,147,312.46 |
| 230                                 | 231 | N07°16'26.27" 'O | 93.04  | 231 | 720,385.67      | 2,147,404.75 |
| 231                                 | 232 | N24°07'33.73" 'O | 108.14 | 232 | 720,341.47      | 2,147,503.44 |
| 232                                 | 233 | N44°39'19.80" 'O | 41.16  | 233 | 720,312.54      | 2,147,532.72 |
| 233                                 | 234 | N57°42'26.52" 'O | 61.53  | 234 | 720,260.53      | 2,147,565.59 |
| 234                                 | 235 | N29°44'41.57" 'O | 0.16   | 235 | 720,260.45      | 2,147,565.73 |
| 235                                 | 236 | N14°11'10.19" 'O | 68.59  | 236 | 720,243.64      | 2,147,632.23 |
| 236                                 | 237 | N01°02'50.42" 'E | 16.41  | 237 | 720,243.94      | 2,147,648.64 |
| 237                                 | 238 | N09°52'00.64" 'O | 189.08 | 238 | 720,211.54      | 2,147,834.92 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVB |     |                  |        |     |                 |              |
|-------------------------------------|-----|------------------|--------|-----|-----------------|--------------|
| LADO                                |     | RUMBO            | DIST.  | V   | COORDENADAS UTM |              |
| ES                                  | PV  |                  |        |     | X               | Y            |
| 238                                 | 239 | N18°26'40.12" 'O | 95.07  | 239 | 720,181.46      | 2,147,925.11 |
| 239                                 | 240 | N11°08'59.69" 'O | 168.53 | 240 | 720,148.87      | 2,148,090.46 |
| 240                                 | 241 | N19°43'03.48" 'O | 328.59 | 241 | 720,038.01      | 2,148,399.78 |
| 241                                 | 242 | N15°10'08.80" 'O | 56.67  | 242 | 720,023.18      | 2,148,454.48 |
| 242                                 | 243 | N23°18'03.58" 'O | 120.49 | 243 | 719,975.52      | 2,148,565.14 |
| 243                                 | 244 | N32°03'28.37" 'O | 174.69 | 244 | 719,882.80      | 2,148,713.19 |
| 244                                 | 245 | N37°18'22.90" 'O | 35.97  | 245 | 719,861.00      | 2,148,741.80 |
| 245                                 | 246 | N48°32'16.63" 'O | 44.12  | 246 | 719,827.94      | 2,148,771.01 |
| 246                                 | 247 | N35°31'33.55" 'O | 28.48  | 247 | 719,811.39      | 2,148,794.19 |
| 247                                 | 248 | N23°53'57.84" 'O | 283.09 | 248 | 719,696.70      | 2,149,053.01 |
| 248                                 | 249 | N06°45'58.23" 'O | 105.76 | 249 | 719,684.24      | 2,149,158.03 |
| 249                                 | 250 | N49°31'48.11" 'O | 119.25 | 250 | 719,593.52      | 2,149,235.43 |
| 250                                 | 251 | N36°23'44.76" 'E | 180.78 | 251 | 719,700.79      | 2,149,380.95 |
| 251                                 | 252 | N81°15'17.57" 'O | 41.77  | 252 | 719,659.51      | 2,149,387.30 |
| 252                                 | 253 | N11°18'45.75" 'E | 80.95  | 253 | 719,675.39      | 2,149,466.68 |
| 253                                 | 254 | N19°10'48.81" 'O | 77.31  | 254 | 719,649.99      | 2,149,539.70 |
| 254                                 | 255 | N59°50'31.69" 'E | 106.69 | 255 | 719,742.24      | 2,149,593.30 |
| 255                                 | 256 | N16°10'44.15" 'O | 55.27  | 256 | 719,726.84      | 2,149,646.38 |
| 256                                 | 257 | N15°58'58.44" 'E | 48.27  | 257 | 719,740.13      | 2,149,692.78 |
| 257                                 | 258 | S57°16'14.29" 'O | 35.23  | 258 | 719,710.49      | 2,149,673.73 |
| 258                                 | 259 | S35°49'51.83" 'O | 46.99  | 259 | 719,682.98      | 2,149,635.63 |
| 259                                 | 260 | S82°52'52.43" 'O | 34.13  | 260 | 719,649.11      | 2,149,631.40 |
| 260                                 | 261 | S40°08'59.48" 'O | 73.51  | 261 | 719,601.71      | 2,149,575.21 |
| 261                                 | 262 | S32°07'31.52" 'O | 266.64 | 262 | 719,459.92      | 2,149,349.40 |
| 262                                 | 263 | N49°31'58.84" 'O | 164.27 | 263 | 719,334.95      | 2,149,456.01 |
| 263                                 | 264 | N38°02'02.93" 'E | 150.60 | 264 | 719,427.74      | 2,149,574.63 |
| 264                                 | 265 | N54°05'52.36" 'O | 56.84  | 265 | 719,381.70      | 2,149,607.96 |
| 265                                 | 266 | S38°01'57.14" 'O | 146.08 | 266 | 719,291.70      | 2,149,492.90 |
| 266                                 | 267 | N49°31'52.60" 'O | 140.16 | 267 | 719,185.07      | 2,149,583.87 |
| 267                                 | 268 | N36°11'05.67" 'E | 334.25 | 268 | 719,382.41      | 2,149,853.65 |
| 268                                 | 269 | N61°54'11.80" 'O | 107.08 | 269 | 719,287.95      | 2,149,904.08 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVB |         |    |               |       |    |                        |
|-------------------------------------|---------|----|---------------|-------|----|------------------------|
| LADO                                | ES<br>T | PV | RUMBO         | DIST. | V  | COORDENADAS UTM        |
|                                     |         |    |               |       |    | X Y                    |
| 26                                  | 9       | 27 | S32°59'16.09" | 93.91 | 27 | 719,236.8 2,149,825.31 |
| 27                                  | 0       | 27 | N33°56'18.77' | 199.5 | 27 | 719,125.4 2,149,990.85 |
| 27                                  | 0       | 27 | N50°43'06.62' | 280.2 | 27 | 718,908.5 2,150,168.28 |
| 27                                  | 1       | 27 | N53°21'10.95' | 89.95 | 27 | 718,836.3 2,150,221.97 |
| 27                                  | 2       | 27 | N51°48'37.51' | 500.2 | 27 | 718,443.1 2,150,531.28 |
| 27                                  | 3       | 27 | S38°12'39.01" | 101.4 | 27 | 718,380.3 2,150,451.57 |
| 27                                  | 4       | 27 | N45°33'19.66' | 725.7 | 27 | 717,862.2 2,150,959.75 |
| 27                                  | 5       | 27 | N51°39'14.43' | 112.3 | 27 | 717,774.1 2,151,029.45 |
| 27                                  | 6       | 27 | N32°48'18.74' | 56.57 | 27 | 717,804.7 2,151,077.00 |
| 27                                  | 7       | 27 | N14°02'16.21' | 87.28 | 27 | 717,783.6 2,151,161.67 |
| 27                                  | 8       | 28 | N44°01'51.93' | 110.4 | 28 | 717,706.8 2,151,241.04 |
| 27                                  | 9       | 28 | N14°02'10.48' | 130.9 | 28 | 717,738.6 2,151,368.04 |
| 28                                  | 0       | 28 | N57°56'18.22' | 284.1 | 28 | 717,497.8 2,151,518.85 |
| 28                                  | 1       | 28 | N48°00'35.98' | 106.7 | 28 | 717,418.4 2,151,590.29 |
| 28                                  | 2       | 28 | S85°01'56.25" | 61.09 | 28 | 717,357.6 2,151,585.00 |
| 28                                  | 3       | 28 | S71°34'19.05" | 131.1 | 28 | 717,233.2 2,151,543.54 |
| 28                                  | 4       | 28 | N66°03'12.87' | 68.81 | 28 | 717,170.3 2,151,571.47 |
| 28                                  | 5       | 28 | N25°17'41.63' | 229.5 | 28 | 717,072.2 2,151,779.05 |
| 28                                  | 6       | 28 | N19°35'04.61' | 8.35  | 28 | 717,069.4 2,151,786.92 |
| 28                                  | 7       | 28 | N10°00'28.73' | 0.17  | 28 | 717,069.3 2,151,787.09 |
| 28                                  | 8       | 29 | N14°02'10.48' | 0.25  | 29 | 717,069.4 2,151,787.33 |
| 29                                  | 9       | 29 | N37°34'06.93' | 0.16  | 29 | 717,069.5 2,151,787.46 |
| 29                                  | 0       | 29 | N57°15'53.19' | 0.17  | 29 | 717,069.6 2,151,787.55 |
| 29                                  | 1       | 29 | N30°27'51.59' | 71.81 | 29 | 717,106.0 2,151,849.45 |
| 29                                  | 2       | 29 | N08°42'12.56' | 95.95 | 29 | 717,091.5 2,151,944.30 |
| 29                                  | 3       | 29 | N15°46'55.40' | 110.3 | 29 | 717,121.5 2,152,050.48 |
| 29                                  | 4       | 29 | N28°48'38.86' | 0.23  | 29 | 717,121.6 2,152,050.68 |
| 29                                  | 5       | 29 | N52°25'53.07' | 0.16  | 29 | 717,121.8 2,152,050.78 |
| 29                                  | 6       | 29 | N71°33'54.18' | 0.16  | 29 | 717,121.9 2,152,050.83 |
| 29                                  | 7       | 29 | S87°36'50.60" | 0.24  | 29 | 717,122.2 2,152,050.82 |
| 29                                  | 8       | 30 | S72°43'03.04" | 159.5 | 30 | 717,274.5 2,152,003.41 |
| 29                                  | 9       |    |               |       |    |                        |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVB |         |    |               |       |    |                        |
|-------------------------------------|---------|----|---------------|-------|----|------------------------|
| LADO                                | ES<br>T | PV | RUMBO         | DIST. | V  | COORDENADAS UTM        |
|                                     |         |    |               |       |    | X Y                    |
| 30                                  | 0       | 30 | N32°53'31.25' | 57.75 | 30 | 717,305.9 2,152,051.90 |
| 30                                  | 1       | 30 | S72°19'07.56" | 160.3 | 30 | 717,458.7 2,152,003.20 |
| 30                                  | 2       | 30 | S51°51'57.17" | 15.32 | 30 | 717,470.7 2,151,993.74 |
| 30                                  | 3       | 30 | S32°58'44.73" | 37.55 | 30 | 717,491.2 2,151,962.24 |
| 30                                  | 4       | 30 | S13°08'55.92" | 37.59 | 30 | 717,499.7 2,151,925.64 |
| 30                                  | 5       | 30 | S42°37'33.65" | 187.6 | 30 | 717,626.8 2,151,787.60 |
| 30                                  | 6       | 30 | N73°22'54.86' | 184.6 | 30 | 717,803.7 2,151,840.40 |
| 30                                  | 7       | 30 | N13°43'07.85' | 320.9 | 30 | 717,879.8 2,152,152.17 |
| 30                                  | 8       | 30 | S23°10'37.28" | 111.6 | 30 | 717,923.7 2,152,049.56 |
| 30                                  | 9       | 31 | N65°13'14.28' | 18.94 | 31 | 717,940.9 2,152,057.50 |
| 31                                  | 0       | 31 | N02°55'45.93' | 51.66 | 31 | 717,943.6 2,152,109.09 |
| 31                                  | 1       | 31 | N12°58'29.41' | 160.6 | 31 | 717,907.5 2,152,265.64 |
| 31                                  | 2       | 31 | N19°13'25.81' | 145.3 | 31 | 717,859.6 2,152,402.92 |
| 31                                  | 3       | 31 | S66°58'28.23" | 30.86 | 31 | 717,831.2 2,152,390.85 |
| 31                                  | 4       | 31 | N27°34'35.38' | 64.35 | 31 | 717,801.4 2,152,447.89 |
| 31                                  | 5       | 31 | N07°07'30.06' | 0.16  | 31 | 717,801.4 2,152,448.05 |
| 31                                  | 6       | 31 | N10°00'28.73' | 0.17  | 31 | 717,801.4 2,152,448.22 |
| 31                                  | 7       | 31 | N34°59'31.27' | 0.24  | 31 | 717,801.6 2,152,448.42 |
| 31                                  | 8       | 31 | N48°35'08.53' | 132.1 | 31 | 717,900.7 2,152,535.85 |
| 31                                  | 9       | 32 | N73°50'34.26' | 54.26 | 32 | 717,952.8 2,152,550.95 |
| 32                                  | 0       | 32 | S23°57'42.28" | 78.18 | 32 | 717,984.6 2,152,479.51 |
| 32                                  | 1       | 32 | S75°28'40.19" | 43.47 | 32 | 718,026.6 2,152,468.61 |
| 32                                  | 2       | 32 | N68°48'25.20' | 30.95 | 32 | 718,055.5 2,152,479.80 |
| 32                                  | 3       | 32 | N15°49'07.23' | 159.6 | 32 | 718,012.0 2,152,633.37 |
| 32                                  | 4       | 32 | N48°26'16.99' | 192.0 | 32 | 718,155.7 2,152,760.80 |
| 32                                  | 5       | 32 | N30°35'09.97' | 313.0 | 32 | 717,996.4 2,153,030.26 |
| 32                                  | 6       | 32 | N29°28'30.18' | 25.81 | 32 | 717,983.7 2,153,052.73 |
| 32                                  | 7       | 32 | S32°27'17.39" | 21.49 | 32 | 717,972.2 2,153,034.60 |
| 32                                  | 8       | 32 | N79°51'06.52' | 65.10 | 32 | 717,908.1 2,153,046.07 |
| 32                                  | 9       | 33 | N62°14'29.25' | 0.21  | 33 | 717,907.9 2,153,046.17 |
| 33                                  | 0       | 33 | N42°16'25.28' | 0.15  | 33 | 717,907.8 2,153,046.28 |
| 33                                  | 1       |    |               |       |    |                        |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVB |    |               |       |    |                 |            |
|-------------------------------------|----|---------------|-------|----|-----------------|------------|
| LADO                                |    | RUMBO         | DIST. | V  | COORDENADAS UTM |            |
| ES                                  | PV |               |       |    | X               | Y          |
| 33                                  | 33 | N23°11'54.93' | 0.15  | 33 | 717,907.8       | 2,153,046. |
| 1                                   | 2  | 'O            |       | 2  | 3               | 42         |
| 33                                  | 33 | N15°09'11.64' | 55.24 | 33 | 717,893.3       | 2,153,099. |
| 2                                   | 3  | 'O            |       | 3  | 9               | 74         |
| 33                                  | 33 | N23°29'42.88' | 371.5 | 33 | 717,745.2       | 2,153,440. |
| 3                                   | 4  | 'O            |       | 3  | 4               | 47         |
| 33                                  | 33 | N14°55'53.10' | 0.16  | 33 | 717,745.2       | 2,153,440. |
| 4                                   | 5  | 'O            |       | 3  | 5               | 62         |
| 33                                  | 33 | N03°34'34.80' | 0.16  | 33 | 717,745.2       | 2,153,440. |
| 5                                   | 6  | 'E            |       | 3  | 6               | 78         |
| 33                                  | 33 | N31°56'34.27' | 569.1 | 33 | 718,046.3       | 2,153,923. |
| 6                                   | 7  | 'E            |       | 3  | 7               | 76         |
| 33                                  | 33 | N38°02'44.24' | 221.1 | 33 | 717,910.0       | 2,154,097. |
| 7                                   | 8  | 'O            |       | 3  | 7               | 93         |
| 33                                  | 33 | N19°39'13.77' | 0.15  | 33 | 717,910.0       | 2,154,098. |
| 8                                   | 9  | 'O            |       | 3  | 9               | 07         |
| 33                                  | 34 | N03°20'17.80' | 74.02 | 34 | 717,914.3       | 2,154,171. |
| 9                                   | 0  | 'E            |       | 4  | 0               | 96         |
| 34                                  | 34 | N82°32'51.82' | 86.43 | 34 | 717,828.6       | 2,154,183. |
| 0                                   | 1  | 'O            |       | 4  | 3               | 17         |
| 34                                  | 34 | N44°49'01.85' | 33.24 | 34 | 717,805.2       | 2,154,206. |
| 1                                   | 2  | 'O            |       | 4  | 2               | 75         |
| 34                                  | 34 | N05°23'32.67' | 52.14 | 34 | 717,810.1       | 2,154,258. |
| 2                                   | 3  | 'E            |       | 4  | 3               | 66         |
| 34                                  | 34 | N20°51'16.05' | 0.22  | 34 | 717,810.1       | 2,154,258. |
| 3                                   | 4  | 'E            |       | 4  | 8               | 87         |
| 34                                  | 34 | N48°34'34.80' | 0.23  | 34 | 717,810.3       | 2,154,259. |
| 4                                   | 5  | 'E            |       | 4  | 5               | 02         |
| 34                                  | 34 | N62°58'56.88' | 39.07 | 34 | 717,845.1       | 2,154,276. |
| 5                                   | 6  | 'E            |       | 4  | 6               | 77         |
| 34                                  | 34 | N79°06'52.10' | 0.26  | 34 | 717,845.4       | 2,154,276. |
| 6                                   | 7  | 'E            |       | 4  | 7               | 82         |
| 34                                  | 34 | S85°08'18.98" | 167.4 | 34 | 718,012.2       | 2,154,262. |
| 7                                   | 8  | 'E            |       | 4  | 8               | 63         |
| 34                                  | 34 | N27°28'34.03' | 60.19 | 34 | 718,040.0       | 2,154,316. |
| 8                                   | 9  | 'E            |       | 4  | 9               | 03         |
| 34                                  | 35 | N27°35'15.24' | 177.9 | 35 | 717,957.6       | 2,154,473. |
| 9                                   | 0  | 'O            |       | 3  | 0               | 73         |
| 35                                  | 35 | N07°45'50.21' | 63.51 | 35 | 717,966.2       | 2,154,536. |
| 0                                   | 1  | 'E            |       | 3  | 1               | 66         |
| 35                                  | 35 | N33°27'05.28' | 106.5 | 35 | 717,907.4       | 2,154,625. |
| 1                                   | 2  | 'O            |       | 3  | 2               | 57         |
| 35                                  | 35 | N26°21'03.53' | 64.64 | 35 | 717,878.7       | 2,154,683. |
| 2                                   | 3  | 'O            |       | 3  | 3               | 49         |
| 35                                  | 35 | N04°38'12.19' | 49.11 | 35 | 717,874.8       | 2,154,732. |
| 3                                   | 4  | 'O            |       | 4  | 4               | 44         |
| 35                                  | 35 | N60°30'30.60' | 59.74 | 35 | 717,822.8       | 2,154,761. |
| 4                                   | 5  | 'O            |       | 5  | 1               | 85         |
| 35                                  | 35 | N02°36'24.17' | 50.13 | 35 | 717,820.5       | 2,154,811. |
| 5                                   | 6  | 'O            |       | 6  | 3               | 93         |
| 35                                  | 35 | N32°14'47.58' | 21.91 | 35 | 717,808.8       | 2,154,830. |
| 6                                   | 7  | 'O            |       | 7  | 4               | 46         |
| 35                                  | 35 | N55°57'49.74' | 48.67 | 35 | 717,768.5       | 2,154,857. |
| 7                                   | 8  | 'O            |       | 8  | 1               | 70         |
| 35                                  | 35 | N40°06'03.27' | 0.25  | 35 | 717,768.3       | 2,154,857. |
| 8                                   | 9  | 'O            |       | 9  | 5               | 89         |
| 35                                  | 36 | N06°15'02.49' | 53.73 | 36 | 717,762.5       | 2,154,911. |
| 9                                   | 0  | 'O            |       | 0  | 0               | 30         |
| 36                                  | 36 | N04°34'16.48' | 34.13 | 36 | 717,765.2       | 2,154,945. |

| CUADRO DE CONSTRUCCIÓN POLÍGONO IVB |    |               |       |    |                 |            |
|-------------------------------------|----|---------------|-------|----|-----------------|------------|
| LADO                                |    | RUMBO         | DIST. | V  | COORDENADAS UTM |            |
| ES                                  | PV |               |       |    | X               | Y          |
| 0                                   | 1  | 'E            |       | 1  | 2               | 32         |
| 36                                  | 36 | N59°31'17.61' | 18.02 | 36 | 717,780.7       | 2,154,954. |
| 1                                   | 2  | 'E            |       | 2  | 5               | 46         |
| 36                                  | 36 | S71°55'11.06" | 41.89 | 36 | 717,820.5       | 2,154,941. |
| 2                                   | 3  | 'E            |       | 3  | 7               | 46         |
| 36                                  | 36 | N28°30'25.07' | 60.97 | 36 | 717,849.6       | 2,154,995. |
| 3                                   | 4  | 'E            |       | 4  | 7               | 04         |
| 36                                  | 36 | N30°58'25.43' | 29.55 | 36 | 717,864.8       | 2,155,020. |
| 4                                   | 5  | 'E            |       | 5  | 8               | 38         |
| 36                                  | 36 | N30°57'05.53' | 32.16 | 36 | 717,881.4       | 2,155,047. |
| 5                                   | 6  | 'E            |       | 6  | 2               | 96         |
| 36                                  | 36 | N55°26'20.38' | 75.91 | 36 | 717,818.9       | 2,155,091. |
| 6                                   | 7  | 'O            |       | 7  | 1               | 02         |
| 36                                  | 37 | N23°39'03.43' | 21.29 | 36 | 717,827.4       | 2,155,110. |
| 7                                   | 8  | 'E            |       | 8  | 5               | 52         |
| 36                                  | 36 | S59°19'35.82" | 64.30 | 36 | 717,882.7       | 2,155,077. |
| 8                                   | 9  | 'E            |       | 9  | 5               | 72         |
| 36                                  | 37 | N45°31'28.09' | 50.98 | 37 | 717,919.1       | 2,155,113. |
| 9                                   | 0  | 'E            |       | 0  | 3               | 44         |
| 37                                  | 37 | N48°41'49.99' | 29.06 | 37 | 717,897.3       | 2,155,132. |
| 0                                   | 1  | 'O            |       | 1  | 0               | 62         |
| 37                                  | 37 | N18°15'19.01' | 135.1 | 37 | 717,939.6       | 2,155,260. |
| 1                                   | 2  | 'E            |       | 2  | 3               | 95         |
| 37                                  | 37 | N10°16'23.74' | 50.30 | 37 | 717,948.6       | 2,155,310. |
| 2                                   | 3  | 'E            |       | 3  | 0               | 44         |
| 37                                  | 37 | N62°43'13.91' | 14.71 | 37 | 717,935.5       | 2,155,317. |
| 3                                   | 4  | 'O            |       | 4  | 3               | 18         |
| 37                                  | 37 | N46°00'03.72' | 31.57 | 37 | 717,912.8       | 2,155,339. |
| 4                                   | 5  | 'O            |       | 5  | 2               | 11         |
| 37                                  | 37 | N07°17'54.77' | 30.31 | 37 | 717,916.6       | 2,155,369. |
| 5                                   | 6  | 'E            |       | 6  | 7               | 17         |
| 37                                  | 37 | N47°15'03.91' | 23.76 | 37 | 717,934.1       | 2,155,385. |
| 6                                   | 7  | 'E            |       | 7  | 2               | 30         |
| 37                                  | 37 | S54°25'35.47" | 40.93 | 37 | 717,967.4       | 2,155,361. |
| 7                                   | 8  | 'E            |       | 8  | 1               | 49         |
| 37                                  | 37 | S46°59'06.79" | 27.15 | 37 | 717,987.2       | 2,155,342. |
| 8                                   | 9  | 'E            |       | 9  | 6               | 97         |
| 37                                  | 38 | S82°41'11.02" | 26.00 | 38 | 718,013.0       | 2,155,339. |
| 9                                   | 0  | 'E            |       | 0  | 5               | 66         |
| 38                                  | 38 | S68°48'27.04" | 34.77 | 38 | 718,045.4       | 2,155,327. |
| 0                                   | 1  | 'E            |       | 1  | 7               | 09         |
| 38                                  | 38 | S12°08'09.47" | 34.96 | 38 | 718,038.1       | 2,155,292. |
| 1                                   | 2  | 'O            |       | 2  | 2               | 91         |
| 38                                  | 38 | S17°42'31.26" | 136.4 | 38 | 717,996.6       | 2,155,162. |
| 2                                   | 3  | 'O            |       | 3  | 1               | 91         |
| 38                                  | 38 | S73°56'07.05" | 49.47 | 38 | 718,044.1       | 2,155,149. |
| 3                                   | 4  | 'E            |       | 4  | 5               | 22         |
| 38                                  | 38 | S04°56'26.14" | 15.33 | 38 | 718,045.4       | 2,155,133. |
| 4                                   | 5  | 'E            |       | 5  | 7               | 95         |
| 38                                  | 38 | S76°15'22.55" | 61.28 | 38 | 718,105.0       | 2,155,119. |
| 5                                   | 6  | 'E            |       | 6  | 0               | 39         |
| 38                                  | 38 | N73°38'50.74' | 69.97 | 38 | 718,172.1       | 2,155,139. |
| 6                                   | 7  | 'E            |       | 7  | 4               | 09         |
| 38                                  | 1  | S27°07'01.93" | 84.93 | 1  | 718,210.8       | 2,155,063. |
| 7                                   |    | 'E            |       | 5  | 50              |            |

| CUADRO DE CONSTRUCCIÓN POLÍGONO V |    |                |        |    |                 |              |
|-----------------------------------|----|----------------|--------|----|-----------------|--------------|
| LADO                              |    | RUMBO          | DIST.  | V  | COORDENADAS UTM |              |
| ES                                | PV |                |        |    | X               | Y            |
|                                   |    |                |        | 1  | 715,012.91      | 2,162,970.91 |
| 1                                 | 2  | S66°08'48.43"E | 231.58 | 2  | 715,224.71      | 2,162,877.26 |
| 2                                 | 3  | S51°20'24.69"E | 0.26   | 3  | 715,224.91      | 2,162,877.10 |
| 3                                 | 4  | S28°04'20.95"E | 0.17   | 4  | 715,224.99      | 2,162,876.95 |
| 4                                 | 5  | S06°42'35.41"E | 0.17   | 5  | 715,225.01      | 2,162,876.78 |
| 5                                 | 6  | S23°04'22.91"O | 33.55  | 6  | 715,211.86      | 2,162,845.91 |
| 6                                 | 7  | S04°00'13.07"O | 116.01 | 7  | 715,203.76      | 2,162,730.18 |
| 7                                 | 8  | S07°55'43.26"E | 49.08  | 8  | 715,210.53      | 2,162,681.57 |
| 8                                 | 9  | S75°58'06.68"O | 29.16  | 9  | 715,182.24      | 2,162,674.50 |
| 9                                 | 10 | S14°32'44.39"E | 84.29  | 10 | 715,203.41      | 2,162,592.91 |
| 10                                | 11 | N71°39'14.40"E | 71.29  | 11 | 715,271.08      | 2,162,615.35 |
| 11                                | 12 | S12°59'48.05"E | 83.28  | 12 | 715,289.81      | 2,162,534.20 |
| 12                                | 13 | S11°20'22.83"E | 79.34  | 13 | 715,305.41      | 2,162,456.41 |
| 13                                | 14 | S02°23'09.40"O | 0.24   | 14 | 715,305.40      | 2,162,456.17 |
| 14                                | 15 | S25°01'00.82"O | 0.17   | 15 | 715,305.33      | 2,162,456.02 |
| 15                                | 16 | S47°29'22.39"O | 0.16   | 16 | 715,305.21      | 2,162,455.91 |
| 16                                | 17 | S67°45'03.51"O | 0.24   | 17 | 715,304.99      | 2,162,455.82 |
| 17                                | 18 | S81°51'05.16"O | 21.94  | 18 | 715,283.27      | 2,162,452.71 |
| 18                                | 19 | S09°40'29.49"E | 93.96  | 19 | 715,299.06      | 2,162,360.09 |
| 19                                | 20 | S04°45'49.11"O | 0.24   | 20 | 715,299.04      | 2,162,359.85 |
| 20                                | 21 | S29°44'41.57"O | 0.24   | 21 | 715,298.92      | 2,162,359.64 |
| 21                                | 22 | S45°53'08.79"O | 48.49  | 22 | 715,264.11      | 2,162,325.89 |
| 22                                | 23 | S10°04'03.75"O | 66.13  | 23 | 715,252.55      | 2,162,260.78 |
| 23                                | 24 | S24°12'44.18"E | 6.75   | 24 | 715,255.32      | 2,162,254.62 |
| 24                                | 25 | S15°00'14.73"E | 48.24  | 25 | 715,267.81      | 2,162,208.02 |
| 25                                | 26 | S19°26'43.88"E | 75.31  | 26 | 715,292.88      | 2,162,137.01 |
| 26                                | 27 | S24°30'37.52"E | 81.33  | 27 | 715,326.62      | 2,162,063.01 |
| 27                                | 28 | S28°53'58.77"E | 129.66 | 28 | 715,389.28      | 2,161,949.50 |
| 28                                | 29 | S18°26'05.82"E | 0.16   | 29 | 715,389.33      | 2,161,949.35 |
| 29                                | 30 | S02°29'22.39"O | 0.23   | 30 | 715,389.32      | 2,161,949.12 |
| 30                                | 31 | S26°33'54.18"O | 0.16   | 31 | 715,389.25      | 2,161,948.98 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO V |    |                |        |    |                 |              |
|-----------------------------------|----|----------------|--------|----|-----------------|--------------|
| LADO                              |    | RUMBO          | DIST.  | V  | COORDENADAS UTM |              |
| ES                                | PV |                |        |    | X               | Y            |
| 31                                | 32 | S52°21'52.12"O | 61.07  | 32 | 715,340.89      | 2,161,911.69 |
| 32                                | 33 | S29°06'29.12"E | 167.52 | 33 | 715,422.38      | 2,161,765.33 |
| 33                                | 34 | S55°15'27.58"E | 72.19  | 34 | 715,481.70      | 2,161,724.19 |
| 34                                | 35 | S85°00'50.45"E | 55.00  | 35 | 715,536.49      | 2,161,719.41 |
| 35                                | 36 | S58°51'45.69"E | 122.86 | 36 | 715,641.65      | 2,161,655.88 |
| 36                                | 37 | S32°44'06.81"E | 0.17   | 37 | 715,641.74      | 2,161,655.74 |
| 37                                | 38 | S10°37'10.76"E | 0.16   | 38 | 715,641.77      | 2,161,655.58 |
| 38                                | 39 | S06°42'35.41"O | 0.17   | 39 | 715,641.75      | 2,161,655.41 |
| 39                                | 40 | S28°04'20.95"O | 0.17   | 40 | 715,641.67      | 2,161,655.26 |
| 40                                | 41 | S45°00'00.00"O | 0.17   | 41 | 715,641.55      | 2,161,655.14 |
| 41                                | 42 | S56°06'22.84"O | 71.03  | 42 | 715,582.59      | 2,161,615.53 |
| 42                                | 43 | S64°58'59.18"O | 0.17   | 43 | 715,582.44      | 2,161,615.46 |
| 43                                | 44 | S82°52'29.94"O | 0.16   | 44 | 715,582.28      | 2,161,615.44 |
| 44                                | 45 | N73°04'20.95"O | 0.24   | 45 | 715,582.05      | 2,161,615.51 |
| 45                                | 46 | N59°16'44.89"O | 36.41  | 46 | 715,550.75      | 2,161,634.11 |
| 46                                | 47 | S24°36'43.38"O | 41.47  | 47 | 715,533.48      | 2,161,596.41 |
| 47                                | 48 | S18°50'06.83"O | 19.92  | 48 | 715,527.05      | 2,161,577.56 |
| 48                                | 49 | S15°32'22.45"O | 25.79  | 49 | 715,520.14      | 2,161,552.71 |
| 49                                | 50 | S11°53'03.32"O | 26.80  | 50 | 715,514.62      | 2,161,526.48 |
| 50                                | 51 | S08°39'31.82"O | 48.89  | 51 | 715,507.26      | 2,161,478.15 |
| 51                                | 52 | S04°14'47.81"O | 12.42  | 52 | 715,506.34      | 2,161,465.76 |
| 52                                | 53 | S04°05'31.02"E | 19.34  | 53 | 715,507.72      | 2,161,446.47 |
| 53                                | 54 | S07°45'54.60"E | 30.64  | 54 | 715,511.86      | 2,161,416.11 |
| 54                                | 55 | S15°02'04.01"E | 31.88  | 55 | 715,520.13      | 2,161,385.32 |
| 55                                | 56 | S25°05'37.74"E | 16.20  | 56 | 715,527.00      | 2,161,370.65 |
| 56                                | 57 | S34°10'53.45"E | 15.52  | 57 | 715,535.72      | 2,161,357.81 |
| 57                                | 58 | S39°21'38.10"E | 35.12  | 58 | 715,557.99      | 2,161,330.66 |
| 58                                | 59 | S34°55'51.37"E | 4.61   | 59 | 715,560.63      | 2,161,326.88 |
| 59                                | 60 | S26°34'53.83"E | 15.46  | 60 | 715,567.55      | 2,161,313.05 |
| 60                                | 61 | S13°03'23.56"E | 12.48  | 61 | 715,570.37      | 2,161,300.89 |
| 61                                | 62 | S01°50'14.32"O | 14.35  | 62 | 715,569.91      | 2,161,286.55 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO V |    |                    |        |    |                 |                  |
|-----------------------------------|----|--------------------|--------|----|-----------------|------------------|
| LADO                              |    | RUMBO              | DIST.  | V  | COORDENADAS UTM |                  |
| ES                                | PV |                    |        |    | X               | Y                |
| 62                                | 63 | S16°07'43.20<br>"O | 73.00  | 63 | 715,549.<br>63  | 2,161,216.<br>42 |
| 63                                | 64 | S11°18'50.13<br>"O | 28.14  | 64 | 715,544.<br>11  | 2,161,188.<br>83 |
| 64                                | 65 | S06°21'07.20<br>"O | 37.51  | 65 | 715,539.<br>96  | 2,161,151.<br>55 |
| 65                                | 66 | S03°19'04.01<br>"O | 31.79  | 66 | 715,538.<br>12  | 2,161,119.<br>81 |
| 66                                | 67 | S04°39'26.13<br>"E | 17.00  | 67 | 715,539.<br>50  | 2,161,102.<br>87 |
| 67                                | 68 | S20°06'02.69<br>"E | 92.79  | 68 | 715,571.<br>39  | 2,161,015.<br>73 |
| 68                                | 69 | S72°16'54.54<br>"E | 164.82 | 69 | 715,728.<br>39  | 2,160,965.<br>57 |
| 69                                | 70 | S36°52'11.63<br>"E | 0.15   | 70 | 715,728.<br>48  | 2,160,965.<br>45 |
| 70                                | 71 | S18°26'05.82<br>"E | 0.16   | 71 | 715,728.<br>53  | 2,160,965.<br>30 |
| 71                                | 72 | S10°18'36.76<br>"E | 9.55   | 72 | 715,730.<br>24  | 2,160,955.<br>90 |
| 72                                | 73 | S00°00'00.00<br>"  | 0.14   | 73 | 715,730.<br>24  | 2,160,955.<br>76 |
| 73                                | 74 | S09°36'28.75<br>"O | 56.26  | 74 | 715,720.<br>85  | 2,160,900.<br>29 |
| 74                                | 75 | S08°45'02.48<br>"E | 67.37  | 75 | 715,731.<br>10  | 2,160,833.<br>70 |
| 75                                | 76 | S00°00'00.00<br>"  | 44.49  | 76 | 715,731.<br>10  | 2,160,789.<br>21 |
| 76                                | 77 | S07°07'30.06<br>"O | 0.16   | 77 | 715,731.<br>08  | 2,160,789.<br>05 |
| 77                                | 78 | S26°33'54.18<br>"O | 0.16   | 78 | 715,731.<br>01  | 2,160,788.<br>91 |
| 78                                | 79 | S36°12'14.86<br>"O | 43.37  | 79 | 715,705.<br>39  | 2,160,753.<br>91 |
| 79                                | 80 | S28°21'58.84<br>"O | 48.52  | 80 | 715,682.<br>34  | 2,160,711.<br>22 |
| 80                                | 81 | S37°34'06.93<br>"O | 0.16   | 81 | 715,682.<br>24  | 2,160,711.<br>09 |
| 81                                | 82 | S57°15'53.19<br>"O | 0.17   | 82 | 715,682.<br>10  | 2,160,711.<br>00 |
| 82                                | 83 | S76°45'34.13<br>"O | 0.17   | 83 | 715,681.<br>93  | 2,160,710.<br>96 |
| 83                                | 84 | N74°42'39.5<br>1"O | 74.10  | 84 | 715,610.<br>45  | 2,160,730.<br>50 |
| 84                                | 85 | S19°02'25.47<br>"O | 180.45 | 85 | 715,551.<br>58  | 2,160,559.<br>92 |
| 85                                | 86 | S47°29'22.39<br>"O | 0.16   | 86 | 715,551.<br>46  | 2,160,559.<br>81 |
| 86                                | 87 | S66°48'05.07<br>"O | 0.15   | 87 | 715,551.<br>32  | 2,160,559.<br>75 |
| 87                                | 88 | S82°52'29.94<br>"O | 0.16   | 88 | 715,551.<br>16  | 2,160,559.<br>73 |
| 88                                | 89 | N87°53'10.5<br>5"O | 23.05  | 89 | 715,528.<br>13  | 2,160,560.<br>58 |
| 89                                | 90 | S83°36'10.22<br>"O | 35.54  | 90 | 715,492.<br>81  | 2,160,556.<br>62 |
| 90                                | 91 | S80°20'42.28<br>"O | 166.77 | 91 | 715,328.<br>40  | 2,160,528.<br>65 |
| 91                                | 92 | S06°30'07.69<br>"O | 198.87 | 92 | 715,305.<br>88  | 2,160,331.<br>06 |
| 92                                | 93 | S88°43'09.98<br>"O | 15.21  | 93 | 715,290.<br>67  | 2,160,330.<br>72 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO V |     |                    |        |     |                 |                  |
|-----------------------------------|-----|--------------------|--------|-----|-----------------|------------------|
| LADO                              |     | RUMBO              | DIST.  | V   | COORDENADAS UTM |                  |
| ES                                | PV  |                    |        |     | X               | Y                |
| 93                                | 94  | S85°36'59.37<br>"O | 28.91  | 94  | 715,261.<br>84  | 2,160,328.<br>51 |
| 94                                | 95  | N75°39'22.6<br>3"O | 55.14  | 95  | 715,208.<br>42  | 2,160,342.<br>17 |
| 95                                | 96  | N30°21'02.3<br>4"O | 58.66  | 96  | 715,178.<br>78  | 2,160,392.<br>79 |
| 96                                | 97  | N71°09'31.3<br>4"O | 53.51  | 97  | 715,128.<br>14  | 2,160,410.<br>07 |
| 97                                | 98  | N34°56'51.4<br>3"O | 109.95 | 98  | 715,065.<br>16  | 2,160,500.<br>19 |
| 98                                | 99  | S80°11'08.81<br>"O | 130.36 | 99  | 714,936.<br>71  | 2,160,477.<br>97 |
| 99                                | 100 | N60°32'33.8<br>2"O | 32.62  | 100 | 714,908.<br>31  | 2,160,494.<br>01 |
| 100                               | 101 | N85°45'51.2<br>6"O | 33.44  | 101 | 714,874.<br>96  | 2,160,496.<br>48 |
| 101                               | 102 | S03°05'11.71<br>"E | 28.97  | 102 | 714,876.<br>52  | 2,160,467.<br>55 |
| 102                               | 103 | S03°04'20.44<br>"E | 155.23 | 103 | 714,884.<br>84  | 2,160,312.<br>54 |
| 103                               | 104 | N74°54'07.0<br>9"O | 105.88 | 104 | 714,782.<br>61  | 2,160,340.<br>12 |
| 104                               | 105 | N23°44'25.5<br>8"O | 101.91 | 105 | 714,741.<br>58  | 2,160,433.<br>41 |
| 105                               | 106 | N75°54'54.3<br>4"O | 225.59 | 106 | 714,522.<br>77  | 2,160,488.<br>31 |
| 106                               | 107 | N74°55'50.6<br>2"O | 135.74 | 107 | 714,391.<br>70  | 2,160,523.<br>60 |
| 107                               | 108 | N55°36'48.3<br>9"O | 116.14 | 108 | 714,295.<br>86  | 2,160,589.<br>19 |
| 108                               | 109 | S80°05'26.05<br>"O | 97.33  | 109 | 714,199.<br>98  | 2,160,572.<br>44 |
| 109                               | 110 | S42°17'32.32<br>"O | 95.20  | 110 | 714,135.<br>92  | 2,160,502.<br>02 |
| 110                               | 111 | N56°35'27.2<br>4"O | 326.91 | 111 | 713,863.<br>03  | 2,160,682.<br>02 |
| 111                               | 112 | N42°06'40.2<br>2"O | 117.15 | 112 | 713,784.<br>47  | 2,160,768.<br>93 |
| 112                               | 113 | N68°48'21.4<br>0"O | 123.50 | 113 | 713,669.<br>32  | 2,160,813.<br>58 |
| 113                               | 114 | N63°51'50.4<br>0"O | 232.92 | 114 | 713,460.<br>22  | 2,160,916.<br>18 |
| 114                               | 115 | N56°18'35.7<br>6"O | 0.14   | 115 | 713,460.<br>10  | 2,160,916.<br>26 |
| 115                               | 116 | N39°17'21.8<br>6"O | 0.14   | 116 | 713,460.<br>01  | 2,160,916.<br>37 |
| 116                               | 117 | N29°44'41.5<br>7"O | 101.02 | 117 | 713,409.<br>89  | 2,161,004.<br>08 |
| 117                               | 118 | N32°28'24.9<br>0"O | 91.84  | 118 | 713,360.<br>58  | 2,161,081.<br>56 |
| 118                               | 119 | N41°57'07.5<br>0"O | 104.26 | 119 | 713,290.<br>88  | 2,161,159.<br>10 |
| 119                               | 120 | N33°17'38.7<br>4"O | 148.09 | 120 | 713,209.<br>59  | 2,161,282.<br>88 |
| 120                               | 121 | N22°14'56.4<br>9"O | 0.24   | 121 | 713,209.<br>50  | 2,161,283.<br>10 |
| 121                               | 122 | N03°34'34.8<br>0"E | 0.16   | 122 | 713,209.<br>51  | 2,161,283.<br>26 |
| 122                               | 123 | N30°41'59.0<br>0"E | 23.82  | 123 | 713,221.<br>67  | 2,161,303.<br>74 |
| 123                               | 124 | N29°07'49.8<br>9"O | 74.03  | 124 | 713,185.<br>63  | 2,161,368.<br>41 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO V |     |                |        |     |                 |              |
|-----------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| ES<br>T                           | PV  | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
|                                   |     |                |        |     | X               | Y            |
| 124                               | 125 | N84°05'15.12"O | 31.07  | 125 | 713,154.73      | 2,161,371.61 |
| 125                               | 126 | N58°23'32.99"O | 0.15   | 126 | 713,154.60      | 2,161,371.69 |
| 126                               | 127 | N40°14'47.05"O | 184.22 | 127 | 713,035.58      | 2,161,512.30 |
| 127                               | 128 | N28°10'40.32"O | 49.89  | 128 | 713,012.02      | 2,161,556.28 |
| 128                               | 129 | N07°45'54.60"O | 0.22   | 129 | 713,011.99      | 2,161,556.50 |
| 129                               | 130 | N05°47'08.99"E | 27.28  | 130 | 713,014.74      | 2,161,583.64 |
| 130                               | 131 | N27°01'28.68"O | 25.09  | 131 | 713,003.34      | 2,161,605.99 |
| 131                               | 132 | N11°46'05.84"O | 0.25   | 132 | 713,003.29      | 2,161,606.23 |
| 132                               | 133 | N07°07'30.06"E | 0.16   | 133 | 713,003.31      | 2,161,606.39 |
| 133                               | 134 | N34°59'31.27"E | 0.24   | 134 | 713,003.45      | 2,161,606.59 |
| 134                               | 135 | N47°30'04.75"E | 77.77  | 135 | 713,060.79      | 2,161,659.13 |
| 135                               | 136 | N00°47'44.37"O | 122.42 | 136 | 713,059.09      | 2,161,781.54 |
| 136                               | 137 | N04°26'58.91"E | 74.11  | 137 | 713,064.84      | 2,161,855.43 |
| 137                               | 138 | N09°26'48.57"E | 151.95 | 138 | 713,089.78      | 2,162,005.32 |
| 138                               | 139 | N26°33'54.18"E | 0.27   | 139 | 713,089.90      | 2,162,005.56 |
| 139                               | 140 | N41°40'19.13"E | 45.80  | 140 | 713,120.35      | 2,162,039.77 |
| 140                               | 141 | N17°46'12.67"E | 30.80  | 141 | 713,129.75      | 2,162,069.10 |
| 141                               | 142 | N24°33'16.09"E | 48.06  | 142 | 713,149.72      | 2,162,112.81 |
| 142                               | 143 | N19°13'05.11"E | 49.97  | 143 | 713,166.17      | 2,162,160.00 |
| 143                               | 144 | N35°02'16.90"E | 76.52  | 144 | 713,210.10      | 2,162,222.65 |
| 144                               | 145 | N14°55'53.10"E | 17.54  | 145 | 713,214.62      | 2,162,239.60 |
| 145                               | 146 | N46°30'59.37"E | 110.62 | 146 | 713,294.88      | 2,162,315.72 |
| 146                               | 147 | S58°06'21.15"E | 330.80 | 147 | 713,575.74      | 2,162,140.94 |
| 147                               | 148 | S04°32'14.35"E | 59.92  | 148 | 713,580.48      | 2,162,081.21 |
| 148                               | 149 | S22°13'18.24"E | 252.62 | 149 | 713,676.02      | 2,161,847.35 |
| 149                               | 150 | S36°52'11.63"O | 0.25   | 150 | 713,675.87      | 2,161,847.15 |
| 150                               | 151 | S63°26'05.82"O | 0.25   | 151 | 713,675.65      | 2,161,847.04 |
| 151                               | 152 | N87°36'50.60"O | 0.24   | 152 | 713,675.41      | 2,161,847.05 |
| 152                               | 153 | N73°31'02.43"O | 9.38   | 153 | 713,666.42      | 2,161,849.71 |
| 153                               | 154 | S32°08'38.72"O | 11.82  | 154 | 713,660.13      | 2,161,839.70 |
| 154                               | 155 | S06°50'52.52"E | 291.61 | 155 | 713,694.90      | 2,161,550.17 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO V |     |                |       |     |                 |              |
|-----------------------------------|-----|----------------|-------|-----|-----------------|--------------|
| ES<br>T                           | PV  | RUMBO          | DIST. | V   | COORDENADAS UTM |              |
|                                   |     |                |       |     | X               | Y            |
| 155                               | 156 | S56°01'10.01"E | 79.87 | 156 | 713,761.13      | 2,161,505.53 |
| 156                               | 157 | N64°33'58.96"E | 75.42 | 157 | 713,829.24      | 2,161,537.92 |
| 157                               | 158 | N04°58'32.39"O | 12.57 | 158 | 713,828.15      | 2,161,550.44 |
| 158                               | 159 | N09°27'44.36"E | 0.24  | 159 | 713,828.19      | 2,161,550.68 |
| 159                               | 160 | N32°44'06.81"E | 0.17  | 160 | 713,828.28      | 2,161,550.82 |
| 160                               | 161 | N52°25'53.07"E | 0.16  | 161 | 713,828.41      | 2,161,550.92 |
| 161                               | 162 | N75°22'44.85"E | 0.24  | 162 | 713,828.64      | 2,161,550.98 |
| 162                               | 163 | N89°03'19.40"E | 12.13 | 163 | 713,840.77      | 2,161,551.18 |
| 163                               | 164 | N00°20'46.04"E | 96.01 | 164 | 713,841.35      | 2,161,647.19 |
| 164                               | 165 | N50°22'08.01"E | 16.40 | 165 | 713,853.98      | 2,161,657.65 |
| 165                               | 166 | N19°41'16.78"O | 22.56 | 166 | 713,846.38      | 2,161,678.89 |
| 166                               | 167 | N15°52'25.61"E | 18.68 | 167 | 713,851.49      | 2,161,696.86 |
| 167                               | 168 | N24°34'27.84"O | 18.54 | 168 | 713,843.78      | 2,161,713.72 |
| 168                               | 169 | N59°47'18.84"O | 55.90 | 169 | 713,795.47      | 2,161,741.85 |
| 169                               | 170 | N16°55'48.69"E | 62.26 | 170 | 713,813.60      | 2,161,801.41 |
| 170                               | 171 | N88°58'38.41"O | 28.01 | 171 | 713,785.59      | 2,161,801.91 |
| 171                               | 172 | N04°49'29.22"E | 25.68 | 172 | 713,787.75      | 2,161,827.50 |
| 172                               | 173 | S87°08'19.12"E | 27.24 | 173 | 713,814.96      | 2,161,826.14 |
| 173                               | 174 | S72°20'59.55"E | 0.23  | 174 | 713,815.18      | 2,161,826.07 |
| 174                               | 175 | S51°43'06.96"E | 51.31 | 175 | 713,855.46      | 2,161,794.28 |
| 175                               | 176 | S45°00'00.00"E | 0.16  | 176 | 713,855.57      | 2,161,794.17 |
| 176                               | 177 | S34°09'02.62"E | 35.88 | 177 | 713,875.71      | 2,161,764.48 |
| 177                               | 178 | S13°31'19.83"E | 14.33 | 178 | 713,879.06      | 2,161,750.55 |
| 178                               | 179 | S50°01'47.04"E | 39.20 | 179 | 713,909.10      | 2,161,725.37 |
| 179                               | 180 | S20°33'21.76"E | 0.26  | 180 | 713,909.19      | 2,161,725.13 |
| 180                               | 181 | S00°35'15.34"E | 84.83 | 181 | 713,910.06      | 2,161,640.30 |
| 181                               | 182 | S19°34'49.39"E | 44.61 | 182 | 713,925.01      | 2,161,598.27 |
| 182                               | 183 | S08°58'21.46"E | 0.19  | 183 | 713,925.04      | 2,161,598.08 |
| 183                               | 184 | S02°06'06.83"O | 65.16 | 184 | 713,922.65      | 2,161,532.96 |
| 184                               | 185 | S00°23'25.81"E | 63.09 | 185 | 713,923.08      | 2,161,469.87 |
| 185                               | 186 | S11°25'53.07"O | 47.18 | 186 | 713,913.73      | 2,161,423.63 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO V |     |                |        |     |                 |              |
|-----------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                              |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| ES                                | PV  |                |        |     | X               | Y            |
| 186                               | 187 | N79°28'56.44"O | 56.59  | 187 | 713,858.09      | 2,161,433.96 |
| 187                               | 188 | N59°12'13.46"O | 32.85  | 188 | 713,829.87      | 2,161,450.78 |
| 188                               | 189 | N88°36'56.65"O | 67.06  | 189 | 713,762.83      | 2,161,452.40 |
| 189                               | 190 | S45°41'03.28"O | 48.55  | 190 | 713,728.09      | 2,161,418.48 |
| 190                               | 191 | N77°37'44.73"O | 31.88  | 191 | 713,696.95      | 2,161,425.31 |
| 191                               | 192 | S65°55'17.28"O | 58.65  | 192 | 713,643.40      | 2,161,401.38 |
| 192                               | 193 | N84°38'41.97"O | 43.61  | 193 | 713,599.98      | 2,161,405.45 |
| 193                               | 194 | S61°55'09.03"O | 44.46  | 194 | 713,560.75      | 2,161,384.52 |
| 194                               | 195 | S34°35'53.00"O | 25.38  | 195 | 713,546.34      | 2,161,363.63 |
| 195                               | 196 | S15°18'08.82"O | 55.21  | 196 | 713,531.77      | 2,161,310.38 |
| 196                               | 197 | S00°23'43.48"E | 43.47  | 197 | 713,532.07      | 2,161,266.91 |
| 197                               | 198 | S49°41'20.37"E | 34.25  | 198 | 713,558.19      | 2,161,244.75 |
| 198                               | 199 | S55°12'54.03"O | 69.38  | 199 | 713,501.21      | 2,161,205.17 |
| 199                               | 200 | S21°56'27.99"O | 44.93  | 200 | 713,484.42      | 2,161,163.49 |
| 200                               | 201 | S58°19'24.85"E | 53.91  | 201 | 713,530.30      | 2,161,135.18 |
| 201                               | 202 | S33°05'15.74"E | 45.90  | 202 | 713,555.36      | 2,161,096.72 |
| 202                               | 203 | S08°10'27.89"O | 42.06  | 203 | 713,549.38      | 2,161,055.09 |
| 203                               | 204 | S16°46'18.36"E | 41.62  | 204 | 713,561.39      | 2,161,015.24 |
| 204                               | 205 | S81°45'01.49"E | 130.88 | 205 | 713,690.92      | 2,160,996.46 |
| 205                               | 206 | N75°45'45.79"E | 99.54  | 206 | 713,787.40      | 2,161,020.94 |
| 206                               | 207 | S65°43'30.90"E | 66.14  | 207 | 713,847.69      | 2,160,993.75 |
| 207                               | 208 | S44°59'60.00"E | 0.23   | 208 | 713,847.85      | 2,160,993.59 |
| 208                               | 209 | S31°56'21.89"E | 65.37  | 209 | 713,882.93      | 2,160,938.12 |
| 209                               | 210 | S68°23'00.76"E | 41.99  | 210 | 713,921.47      | 2,160,922.65 |
| 210                               | 211 | N47°09'31.33"E | 112.45 | 211 | 714,003.92      | 2,160,999.11 |
| 211                               | 212 | N15°47'19.12"E | 59.25  | 212 | 714,020.04      | 2,161,056.12 |
| 212                               | 213 | N67°48'30.88"E | 86.21  | 213 | 714,099.86      | 2,161,088.68 |
| 213                               | 214 | N89°48'31.72"E | 74.92  | 214 | 714,174.78      | 2,161,088.93 |
| 214                               | 215 | N70°09'40.32"E | 55.63  | 215 | 714,227.11      | 2,161,107.81 |
| 215                               | 216 | N01°54'45.95"E | 58.12  | 216 | 714,229.05      | 2,161,165.90 |
| 216                               | 217 | N40°03'06.93"E | 40.50  | 217 | 714,255.11      | 2,161,196.90 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO V |     |                |        |     |                 |              |
|-----------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                              |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| ES                                | PV  |                |        |     | X               | Y            |
| 217                               | 218 | N60°04'33.58"E | 38.09  | 218 | 714,288.12      | 2,161,215.90 |
| 218                               | 219 | N72°28'27.95"E | 0.20   | 219 | 714,288.31      | 2,161,215.96 |
| 219                               | 220 | S88°45'22.81"E | 73.26  | 220 | 714,361.55      | 2,161,214.37 |
| 220                               | 221 | S70°20'46.23"E | 0.15   | 221 | 714,361.69      | 2,161,214.32 |
| 221                               | 222 | S45°28'35.75"E | 43.35  | 222 | 714,392.60      | 2,161,183.92 |
| 222                               | 223 | S55°33'54.18"E | 40.11  | 223 | 714,425.68      | 2,161,161.24 |
| 223                               | 224 | S28°04'20.95"E | 0.17   | 224 | 714,425.76      | 2,161,161.09 |
| 224                               | 225 | S07°28'45.82"E | 146.19 | 225 | 714,444.79      | 2,161,016.14 |
| 225                               | 226 | S17°00'01.90"E | 64.30  | 226 | 714,463.59      | 2,160,954.65 |
| 226                               | 227 | S62°20'09.59"E | 32.18  | 227 | 714,492.09      | 2,160,939.71 |
| 227                               | 228 | N67°41'54.29"E | 35.31  | 228 | 714,524.76      | 2,160,953.11 |
| 228                               | 229 | S70°19'13.40"E | 44.84  | 229 | 714,566.98      | 2,160,938.01 |
| 229                               | 230 | S32°31'02.79"E | 88.36  | 230 | 714,614.48      | 2,160,863.50 |
| 230                               | 231 | S59°25'37.45"E | 131.74 | 231 | 714,727.91      | 2,160,796.49 |
| 231                               | 232 | S42°30'37.61"E | 0.16   | 232 | 714,728.02      | 2,160,796.37 |
| 232                               | 233 | S21°48'05.07"E | 0.16   | 233 | 714,728.08      | 2,160,796.22 |
| 233                               | 234 | S11°53'47.86"E | 11.11  | 234 | 714,730.37      | 2,160,785.35 |
| 234                               | 235 | S20°50'58.07"E | 15.31  | 235 | 714,735.82      | 2,160,771.04 |
| 235                               | 236 | S47°52'18.56"E | 19.34  | 236 | 714,750.16      | 2,160,758.07 |
| 236                               | 237 | S70°46'27.02"E | 31.16  | 237 | 714,779.58      | 2,160,747.81 |
| 237                               | 238 | N87°34'07.08"E | 53.04  | 238 | 714,832.57      | 2,160,750.06 |
| 238                               | 239 | N64°08'21.39"E | 22.19  | 239 | 714,852.54      | 2,160,759.74 |
| 239                               | 240 | N89°09'22.18"E | 44.81  | 240 | 714,897.35      | 2,160,760.40 |
| 240                               | 241 | S66°21'49.71"E | 24.07  | 241 | 714,919.40      | 2,160,750.75 |
| 241                               | 242 | S42°05'05.54"E | 28.78  | 242 | 714,938.69      | 2,160,729.39 |
| 242                               | 243 | S60°56'52.84"E | 42.57  | 243 | 714,975.90      | 2,160,708.72 |
| 243                               | 244 | S76°21'41.67"E | 78.25  | 244 | 715,051.94      | 2,160,690.27 |
| 244                               | 245 | N78°52'21.77"E | 38.76  | 245 | 715,089.97      | 2,160,697.75 |
| 245                               | 246 | N01°50'22.66"E | 48.60  | 246 | 715,091.53      | 2,160,746.32 |
| 246                               | 247 | N62°56'49.04"O | 39.91  | 247 | 715,055.99      | 2,160,764.47 |
| 247                               | 248 | N47°34'15.00"O | 34.21  | 248 | 715,030.74      | 2,160,787.55 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO V |     |                |       |     |                 |              |
|-----------------------------------|-----|----------------|-------|-----|-----------------|--------------|
| LADO                              |     | RUMBO          | DIST. | V   | COORDENADAS UTM |              |
| ES                                | PV  |                |       |     | X               | Y            |
| 248                               | 249 | N06°04'46.36"O | 76.95 | 249 | 715,022.59      | 2,160,864.07 |
| 249                               | 250 | N13°23'32.99"E | 0.22  | 250 | 715,022.64      | 2,160,864.28 |
| 250                               | 251 | N24°54'21.63"E | 14.98 | 251 | 715,028.95      | 2,160,877.87 |
| 251                               | 252 | N07°15'27.52"E | 34.83 | 252 | 715,033.35      | 2,160,912.42 |
| 252                               | 253 | N39°19'46.23"O | 21.11 | 253 | 715,019.97      | 2,160,928.75 |
| 253                               | 254 | N12°47'10.13"O | 78.49 | 254 | 715,002.60      | 2,161,005.29 |
| 254                               | 255 | N58°59'18.64"O | 32.94 | 255 | 714,974.37      | 2,161,022.26 |
| 255                               | 256 | N81°11'35.55"O | 17.24 | 256 | 714,957.33      | 2,161,024.90 |
| 256                               | 257 | S33°43'28.99"O | 22.93 | 257 | 714,944.60      | 2,161,005.83 |
| 257                               | 258 | N60°27'45.52"O | 11.64 | 258 | 714,934.47      | 2,161,011.57 |
| 258                               | 259 | N46°38'11.68"O | 0.25  | 259 | 714,934.29      | 2,161,011.74 |
| 259                               | 260 | N23°37'45.76"O | 0.17  | 260 | 714,934.22      | 2,161,011.90 |
| 260                               | 261 | N12°50'17.78"O | 23.90 | 261 | 714,928.91      | 2,161,035.20 |
| 261                               | 262 | N03°34'34.80"O | 0.16  | 262 | 714,928.90      | 2,161,035.36 |
| 262                               | 263 | N17°21'14.49"E | 0.17  | 263 | 714,928.95      | 2,161,035.52 |
| 263                               | 264 | N38°17'24.59"E | 0.24  | 264 | 714,929.10      | 2,161,035.71 |
| 264                               | 265 | N54°56'24.42"E | 17.98 | 265 | 714,943.82      | 2,161,046.04 |
| 265                               | 266 | N36°01'53.64"O | 20.09 | 266 | 714,932.00      | 2,161,062.29 |
| 266                               | 267 | S62°21'04.72"O | 26.72 | 267 | 714,908.33      | 2,161,049.89 |
| 267                               | 268 | N55°41'41.84"O | 28.42 | 268 | 714,884.85      | 2,161,065.91 |
| 268                               | 269 | N46°11'05.77"E | 34.54 | 269 | 714,909.77      | 2,161,089.82 |
| 269                               | 270 | N46°45'35.91"E | 51.57 | 270 | 714,947.34      | 2,161,125.15 |
| 270                               | 271 | N02°23'02.68"O | 63.95 | 271 | 714,944.68      | 2,161,189.04 |
| 271                               | 272 | S88°38'29.02"O | 33.32 | 272 | 714,911.37      | 2,161,188.25 |
| 272                               | 273 | N07°29'34.77"O | 20.86 | 273 | 714,908.65      | 2,161,208.93 |
| 273                               | 274 | N68°54'19.64"O | 17.31 | 274 | 714,892.50      | 2,161,215.16 |
| 274                               | 275 | S16°02'51.55"O | 22.32 | 275 | 714,886.33      | 2,161,193.71 |
| 275                               | 276 | S47°02'49.15"O | 55.03 | 276 | 714,846.05      | 2,161,156.21 |
| 276                               | 277 | N89°03'56.65"O | 87.70 | 277 | 714,758.36      | 2,161,157.64 |
| 277                               | 278 | S75°14'32.76"O | 43.73 | 278 | 714,716.07      | 2,161,146.50 |
| 278                               | 279 | N47°38'11.40"O | 82.39 | 279 | 714,655.19      | 2,161,202.02 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO V |     |                |        |     |                 |              |
|-----------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                              |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| ES                                | PV  |                |        |     | X               | Y            |
| 279                               | 280 | N38°28'48.71"E | 0.50   | 280 | 714,655.50      | 2,161,202.41 |
| 280                               | 281 | N57°15'53.19"E | 0.17   | 281 | 714,655.64      | 2,161,202.50 |
| 281                               | 282 | N87°02'44.00"E | 27.36  | 282 | 714,682.96      | 2,161,203.91 |
| 282                               | 283 | N75°13'34.94"E | 32.98  | 283 | 714,714.85      | 2,161,212.32 |
| 283                               | 284 | S50°40'29.79"E | 36.18  | 284 | 714,742.84      | 2,161,189.39 |
| 284                               | 285 | N04°40'27.40"O | 31.41  | 285 | 714,740.28      | 2,161,220.70 |
| 285                               | 286 | N41°30'50.59"E | 13.14  | 286 | 714,748.99      | 2,161,230.54 |
| 286                               | 287 | S79°27'00.99"E | 39.76  | 287 | 714,788.08      | 2,161,223.26 |
| 287                               | 288 | S71°39'37.51"E | 17.10  | 288 | 714,804.31      | 2,161,217.88 |
| 288                               | 289 | N50°09'40.80"E | 22.17  | 289 | 714,821.33      | 2,161,232.08 |
| 289                               | 290 | S59°09'53.54"E | 24.45  | 290 | 714,842.32      | 2,161,219.55 |
| 290                               | 291 | N75°29'08.64"E | 18.31  | 291 | 714,860.05      | 2,161,224.14 |
| 291                               | 292 | N67°08'16.30"O | 53.67  | 292 | 714,810.60      | 2,161,244.99 |
| 292                               | 293 | N27°11'32.47"O | 29.41  | 293 | 714,797.16      | 2,161,271.15 |
| 293                               | 294 | N07°50'59.10"E | 16.47  | 294 | 714,799.41      | 2,161,287.47 |
| 294                               | 295 | N72°38'45.51"E | 0.17   | 295 | 714,799.57      | 2,161,287.52 |
| 295                               | 296 | N81°31'24.44"E | 49.12  | 296 | 714,848.15      | 2,161,294.76 |
| 296                               | 297 | S89°16'05.91"E | 49.33  | 297 | 714,897.48      | 2,161,294.13 |
| 297                               | 298 | S84°42'30.23"E | 34.70  | 298 | 714,932.03      | 2,161,290.93 |
| 298                               | 299 | S83°29'55.75"E | 23.58  | 299 | 714,955.46      | 2,161,288.26 |
| 299                               | 300 | N00°18'59.57"O | 30.77  | 300 | 714,955.29      | 2,161,319.03 |
| 300                               | 301 | N39°37'07.52"E | 86.78  | 301 | 715,010.63      | 2,161,385.88 |
| 301                               | 302 | S32°52'13.19"E | 192.89 | 302 | 715,115.32      | 2,161,223.87 |
| 302                               | 303 | S06°41'00.85"O | 75.18  | 303 | 715,106.57      | 2,161,149.20 |
| 303                               | 304 | N61°38'44.86"O | 53.00  | 304 | 715,059.93      | 2,161,174.37 |
| 304                               | 305 | S48°13'08.42"O | 92.93  | 305 | 714,990.63      | 2,161,112.45 |
| 305                               | 306 | S70°36'06.66"E | 135.82 | 306 | 715,118.74      | 2,161,067.34 |
| 306                               | 307 | S39°28'20.86"E | 0.22   | 307 | 715,118.88      | 2,161,067.17 |
| 307                               | 308 | S08°32'17.32"E | 184.28 | 308 | 715,146.24      | 2,160,884.93 |
| 308                               | 309 | S40°31'14.79"E | 63.29  | 309 | 715,187.36      | 2,160,836.82 |
| 309                               | 310 | S15°30'47.19"O | 44.60  | 310 | 715,175.43      | 2,160,793.84 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO V |     |                |        |     |                 |              |
|-----------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                              |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| ES                                | PV  |                |        |     | X               | Y            |
| 310                               | 311 | S79°41'52.01"E | 58.54  | 311 | 715,233.03      | 2,160,783.37 |
| 311                               | 312 | N66°48'11.86"E | 39.88  | 312 | 715,269.69      | 2,160,799.08 |
| 312                               | 313 | N12°27'27.93"E | 66.48  | 313 | 715,284.03      | 2,160,863.99 |
| 313                               | 314 | N28°39'04.07"E | 96.69  | 314 | 715,330.39      | 2,160,948.84 |
| 314                               | 315 | N18°08'17.91"E | 41.53  | 315 | 715,317.46      | 2,160,988.31 |
| 315                               | 316 | N55°19'29.03"E | 67.43  | 316 | 715,372.91      | 2,161,026.67 |
| 316                               | 317 | N60°42'55.73"E | 69.47  | 317 | 715,433.50      | 2,161,060.65 |
| 317                               | 318 | N42°28'27.67"E | 126.77 | 318 | 715,347.90      | 2,161,154.15 |
| 318                               | 319 | N72°34'25.11"E | 212.17 | 319 | 715,145.47      | 2,161,217.69 |
| 319                               | 320 | N42°30'37.61"E | 0.16   | 320 | 715,145.36      | 2,161,217.81 |
| 320                               | 321 | N25°01'00.82"E | 0.17   | 321 | 715,145.29      | 2,161,217.96 |
| 321                               | 322 | N06°42'35.41"E | 0.17   | 322 | 715,145.27      | 2,161,218.13 |
| 322                               | 323 | N05°01'43.80"E | 209.57 | 323 | 715,163.64      | 2,161,426.89 |
| 323                               | 324 | N14°42'25.52"E | 45.57  | 324 | 715,175.21      | 2,161,470.97 |
| 324                               | 325 | N27°33'10.12"E | 0.26   | 325 | 715,175.33      | 2,161,471.20 |
| 325                               | 326 | N54°27'44.36"E | 0.17   | 326 | 715,175.47      | 2,161,471.30 |
| 326                               | 327 | N76°45'34.13"E | 0.17   | 327 | 715,175.64      | 2,161,471.34 |
| 327                               | 328 | S86°38'00.74"E | 0.17   | 328 | 715,175.81      | 2,161,471.33 |
| 328                               | 329 | S66°00'13.87"E | 214.32 | 329 | 715,371.61      | 2,161,384.17 |
| 329                               | 330 | N05°35'14.18"E | 215.90 | 330 | 715,392.63      | 2,161,599.04 |
| 330                               | 331 | N23°20'56.14"E | 63.05  | 331 | 715,367.64      | 2,161,656.93 |
| 331                               | 332 | N64°14'35.97"E | 209.53 | 332 | 715,178.93      | 2,161,747.98 |
| 332                               | 333 | S48°23'33.88"E | 155.69 | 333 | 715,062.52      | 2,161,644.60 |
| 333                               | 334 | S63°26'05.82"E | 0.25   | 334 | 715,062.30      | 2,161,644.49 |
| 334                               | 335 | S86°38'00.74"E | 0.17   | 335 | 715,062.13      | 2,161,644.48 |
| 335                               | 336 | N73°36'37.66"E | 0.18   | 336 | 715,061.96      | 2,161,644.53 |
| 336                               | 337 | N52°25'53.07"E | 0.16   | 337 | 715,061.83      | 2,161,644.63 |
| 337                               | 338 | N28°36'37.65"E | 0.25   | 338 | 715,061.71      | 2,161,644.85 |
| 338                               | 339 | N06°42'35.41"E | 0.17   | 339 | 715,061.69      | 2,161,645.02 |
| 339                               | 340 | N26°29'13.68"E | 19.73  | 340 | 715,070.49      | 2,161,662.68 |
| 340                               | 341 | N29°51'36.39"E | 25.29  | 341 | 715,057.90      | 2,161,684.61 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO V |     |                |       |     |                 |              |
|-----------------------------------|-----|----------------|-------|-----|-----------------|--------------|
| LADO                              |     | RUMBO          | DIST. | V   | COORDENADAS UTM |              |
| ES                                | PV  |                |       |     | X               | Y            |
| 341                               | 342 | N21°19'04.48"E | 20.25 | 342 | 715,065.26      | 2,161,703.47 |
| 342                               | 343 | N20°57'30.92"E | 52.64 | 343 | 715,046.43      | 2,161,752.63 |
| 343                               | 344 | N42°30'42.70"E | 74.60 | 344 | 714,996.02      | 2,161,807.62 |
| 344                               | 345 | N73°21'56.51"E | 53.24 | 345 | 714,945.01      | 2,161,822.86 |
| 345                               | 346 | S84°01'39.04"E | 36.14 | 346 | 714,909.07      | 2,161,819.10 |
| 346                               | 347 | N48°27'45.21"E | 47.53 | 347 | 714,873.49      | 2,161,850.62 |
| 347                               | 348 | N34°59'31.27"E | 0.24  | 348 | 714,873.35      | 2,161,850.82 |
| 348                               | 349 | N00°08'50.15"E | 54.47 | 349 | 714,873.21      | 2,161,905.29 |
| 349                               | 350 | N14°37'15.15"E | 0.24  | 350 | 714,873.27      | 2,161,905.52 |
| 350                               | 351 | N46°23'38.73"E | 31.97 | 351 | 714,896.42      | 2,161,927.57 |
| 351                               | 352 | N05°36'44.32"E | 30.16 | 352 | 714,899.37      | 2,161,957.59 |
| 352                               | 353 | N23°42'06.10"E | 40.38 | 353 | 714,915.60      | 2,161,994.56 |
| 353                               | 354 | N22°41'11.50"E | 34.38 | 354 | 714,902.34      | 2,162,026.28 |
| 354                               | 355 | N77°19'36.20"E | 13.77 | 355 | 714,915.77      | 2,162,029.30 |
| 355                               | 356 | N06°50'58.02"E | 47.71 | 356 | 714,921.46      | 2,162,076.67 |
| 356                               | 357 | N25°58'16.34"E | 20.71 | 357 | 714,912.39      | 2,162,095.29 |
| 357                               | 358 | S14°02'33.69"E | 21.55 | 358 | 714,907.16      | 2,162,074.38 |
| 358                               | 359 | N83°26'44.22"E | 35.74 | 359 | 714,871.65      | 2,162,078.46 |
| 359                               | 360 | N27°44'06.10"E | 24.97 | 360 | 714,860.03      | 2,162,100.56 |
| 360                               | 361 | S86°55'31.19"E | 28.71 | 361 | 714,831.36      | 2,162,099.02 |
| 361                               | 362 | N02°09'01.82"E | 24.52 | 362 | 714,832.28      | 2,162,123.52 |
| 362                               | 363 | N21°48'05.07"E | 0.16  | 363 | 714,832.34      | 2,162,123.67 |
| 363                               | 364 | N43°15'51.46"E | 0.23  | 364 | 714,832.50      | 2,162,123.84 |
| 364                               | 365 | N43°48'46.21"E | 14.68 | 365 | 714,842.66      | 2,162,134.43 |
| 365                               | 366 | N13°57'22.75"E | 26.08 | 366 | 714,848.95      | 2,162,159.74 |
| 366                               | 367 | N73°29'11.46"E | 44.61 | 367 | 714,806.18      | 2,162,172.42 |
| 367                               | 368 | N37°38'35.95"E | 27.11 | 368 | 714,822.74      | 2,162,193.89 |
| 368                               | 369 | N15°08'52.53"E | 30.00 | 369 | 714,830.58      | 2,162,222.85 |
| 369                               | 370 | N39°56'30.49"E | 49.00 | 370 | 714,862.04      | 2,162,260.42 |
| 370                               | 371 | N55°51'13.12"E | 39.35 | 371 | 714,894.61      | 2,162,282.51 |
| 371                               | 372 | N26°28'31.64"E | 28.60 | 372 | 714,907.36      | 2,162,308.11 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO V |         |                    |        |         |                 |                  |
|-----------------------------------|---------|--------------------|--------|---------|-----------------|------------------|
| ES<br>T                           | PV      | RUMBO              | DIST.  | V       | COORDENADAS UTM |                  |
|                                   |         |                    |        |         | X               | Y                |
| 37<br>2                           | 37<br>3 | S85°13'22.77<br>"O | 110.35 | 37<br>3 | 714,797.<br>39  | 2,162,298.<br>92 |
| 37<br>3                           | 37<br>4 | S77°35'07.31<br>"O | 102.33 | 37<br>4 | 714,697.<br>45  | 2,162,276.<br>92 |
| 37<br>4                           | 37<br>5 | S82°49'31.43<br>"O | 14.33  | 37<br>5 | 714,683.<br>23  | 2,162,275.<br>13 |
| 37<br>5                           | 37<br>6 | N18°25'00.1<br>4"O | 39.72  | 37<br>6 | 714,670.<br>68  | 2,162,312.<br>82 |
| 37<br>6                           | 37<br>7 | N33°36'39.2<br>9"E | 30.11  | 37<br>7 | 714,687.<br>35  | 2,162,337.<br>90 |
| 37<br>7                           | 37<br>8 | N18°12'48.4<br>8"E | 47.45  | 37<br>8 | 714,702.<br>18  | 2,162,382.<br>97 |
| 37<br>8                           | 37<br>9 | N68°48'14.7<br>2"E | 64.66  | 37<br>9 | 714,762.<br>47  | 2,162,406.<br>35 |
| 37<br>9                           | 38<br>0 | N06°42'31.0<br>0"E | 27.31  | 38<br>0 | 714,765.<br>66  | 2,162,433.<br>47 |
| 38<br>0                           | 38<br>1 | N89°52'38.3<br>2"O | 51.37  | 38<br>1 | 714,714.<br>29  | 2,162,433.<br>58 |
| 38<br>1                           | 38<br>2 | N57°46'56.0<br>3"O | 16.30  | 38<br>2 | 714,700.<br>50  | 2,162,442.<br>27 |
| 38<br>2                           | 38<br>3 | N85°49'25.8<br>0"O | 23.89  | 38<br>3 | 714,676.<br>67  | 2,162,444.<br>01 |
| 38<br>3                           | 38<br>4 | S14°03'27.51<br>"O | 25.98  | 38<br>4 | 714,670.<br>36  | 2,162,418.<br>81 |
| 38<br>4                           | 38<br>5 | S47°11'24.47<br>"O | 19.98  | 38<br>5 | 714,655.<br>70  | 2,162,405.<br>23 |
| 38<br>5                           | 38<br>6 | S79°38'14.91<br>"O | 48.87  | 38<br>6 | 714,607.<br>63  | 2,162,396.<br>44 |
| 38<br>6                           | 38<br>7 | N85°23'01.6<br>1"O | 26.47  | 38<br>7 | 714,581.<br>25  | 2,162,398.<br>57 |
| 38<br>7                           | 38<br>8 | N55°18'17.4<br>5"O | 0.16   | 38<br>8 | 714,581.<br>12  | 2,162,398.<br>66 |
| 38<br>8                           | 38<br>9 | N37°44'30.0<br>3"O | 25.63  | 38<br>9 | 714,565.<br>43  | 2,162,418.<br>93 |
| 38<br>9                           | 39<br>0 | N22°14'56.4<br>9"O | 0.24   | 39<br>0 | 714,565.<br>34  | 2,162,419.<br>15 |
| 39<br>0                           | 39<br>1 | N00°04'37.8<br>8"O | 51.96  | 39<br>1 | 714,565.<br>27  | 2,162,471.<br>11 |
| 39<br>1                           | 39<br>2 | N49°26'39.8<br>2"O | 43.53  | 39<br>2 | 714,532.<br>20  | 2,162,499.<br>41 |
| 39<br>2                           | 39<br>3 | N10°38'52.9<br>4"O | 28.52  | 39<br>3 | 714,526.<br>93  | 2,162,527.<br>44 |
| 39<br>3                           | 39<br>4 | N57°55'05.3<br>9"E | 20.65  | 39<br>4 | 714,544.<br>43  | 2,162,538.<br>41 |
| 39<br>4                           | 39<br>5 | N66°18'46.7<br>2"E | 33.58  | 39<br>5 | 714,575.<br>18  | 2,162,551.<br>90 |
| 39<br>5                           | 39<br>6 | N16°22'42.0<br>4"O | 25.99  | 39<br>6 | 714,567.<br>85  | 2,162,576.<br>84 |
| 39<br>6                           | 39<br>7 | N72°37'34.7<br>3"O | 19.12  | 39<br>7 | 714,549.<br>60  | 2,162,582.<br>55 |
| 39<br>7                           | 39<br>8 | S15°57'10.19<br>"O | 21.18  | 39<br>8 | 714,543.<br>78  | 2,162,562.<br>19 |
| 39<br>8                           | 39<br>9 | S42°58'53.14<br>"O | 20.48  | 39<br>9 | 714,529.<br>82  | 2,162,547.<br>21 |
| 39<br>9                           | 40<br>0 | N64°44'56.8<br>2"O | 12.87  | 40<br>0 | 714,518.<br>18  | 2,162,552.<br>70 |
| 40<br>0                           | 40<br>1 | N04°45'49.1<br>1"E | 0.24   | 40<br>1 | 714,518.<br>20  | 2,162,552.<br>94 |
| 40<br>1                           | 40<br>2 | N15°15'51.9<br>3"E | 59.41  | 40<br>2 | 714,533.<br>84  | 2,162,610.<br>25 |
| 40<br>2                           | 40<br>3 | N03°50'46.3<br>4"O | 54.56  | 40<br>3 | 714,530.<br>18  | 2,162,664.<br>69 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO V |         |                    |        |         |                 |                  |
|-----------------------------------|---------|--------------------|--------|---------|-----------------|------------------|
| ES<br>T                           | PV      | RUMBO              | DIST.  | V       | COORDENADAS UTM |                  |
|                                   |         |                    |        |         | X               | Y                |
| 40<br>3                           | 40<br>4 | N86°58'35.8<br>5"O | 19.91  | 40<br>4 | 714,510.<br>30  | 2,162,665.<br>74 |
| 40<br>4                           | 40<br>5 | S03°34'38.00<br>"O | 40.23  | 40<br>5 | 714,507.<br>79  | 2,162,625.<br>59 |
| 40<br>5                           | 40<br>6 | S19°10'44.43<br>"O | 0.24   | 40<br>6 | 714,507.<br>71  | 2,162,625.<br>36 |
| 40<br>6                           | 40<br>7 | S42°30'37.61<br>"O | 0.16   | 40<br>7 | 714,507.<br>60  | 2,162,625.<br>24 |
| 40<br>7                           | 40<br>8 | S60°15'18.43<br>"O | 0.16   | 40<br>8 | 714,507.<br>46  | 2,162,625.<br>16 |
| 40<br>8                           | 40<br>9 | S85°14'10.89<br>"O | 0.24   | 40<br>9 | 714,507.<br>22  | 2,162,625.<br>14 |
| 40<br>9                           | 41<br>0 | N40°23'17.3<br>8"O | 71.15  | 41<br>0 | 714,461.<br>12  | 2,162,679.<br>33 |
| 41<br>0                           | 41<br>1 | S70°35'06.86<br>"O | 18.86  | 41<br>1 | 714,443.<br>33  | 2,162,673.<br>06 |
| 41<br>1                           | 41<br>2 | S19°18'34.43<br>"E | 22.17  | 41<br>2 | 714,450.<br>66  | 2,162,652.<br>14 |
| 41<br>2                           | 41<br>3 | S40°41'38.49<br>"O | 75.06  | 41<br>3 | 714,401.<br>72  | 2,162,595.<br>23 |
| 41<br>3                           | 41<br>4 | S77°20'27.86<br>"O | 7.16   | 41<br>4 | 714,394.<br>73  | 2,162,593.<br>66 |
| 41<br>4                           | 41<br>5 | S33°37'46.31<br>"O | 42.00  | 41<br>5 | 714,371.<br>47  | 2,162,558.<br>69 |
| 41<br>5                           | 41<br>6 | S57°15'53.19<br>"O | 0.17   | 41<br>6 | 714,371.<br>33  | 2,162,558.<br>60 |
| 41<br>6                           | 41<br>7 | S78°53'31.62<br>"O | 70.07  | 41<br>7 | 714,302.<br>57  | 2,162,545.<br>10 |
| 41<br>7                           | 41<br>8 | S09°40'42.63<br>"O | 105.88 | 41<br>8 | 714,284.<br>77  | 2,162,440.<br>73 |
| 41<br>8                           | 41<br>9 | S25°01'00.82<br>"O | 0.17   | 41<br>9 | 714,284.<br>70  | 2,162,440.<br>58 |
| 41<br>9                           | 42<br>0 | S45°00'00.00<br>"O | 0.16   | 42<br>0 | 714,284.<br>59  | 2,162,440.<br>47 |
| 42<br>0                           | 42<br>1 | S61°55'39.05<br>"O | 0.17   | 42<br>1 | 714,284.<br>44  | 2,162,440.<br>39 |
| 42<br>1                           | 42<br>2 | S80°42'19.65<br>"O | 58.39  | 42<br>2 | 714,226.<br>82  | 2,162,430.<br>96 |
| 42<br>2                           | 42<br>3 | N83°09'26.0<br>2"O | 0.25   | 42<br>3 | 714,226.<br>57  | 2,162,430.<br>99 |
| 42<br>3                           | 42<br>4 | N56°18'35.7<br>6"O | 0.25   | 42<br>4 | 714,226.<br>36  | 2,162,431.<br>13 |
| 42<br>4                           | 42<br>5 | N01°02'21.7<br>3"O | 36.94  | 42<br>5 | 714,225.<br>69  | 2,162,468.<br>06 |
| 42<br>5                           | 42<br>6 | S81°55'21.25<br>"O | 20.00  | 42<br>6 | 714,205.<br>89  | 2,162,465.<br>25 |
| 42<br>6                           | 42<br>7 | N22°30'52.0<br>2"O | 44.32  | 42<br>7 | 714,188.<br>92  | 2,162,506.<br>19 |
| 42<br>7                           | 42<br>8 | S63°59'41.63<br>"O | 57.20  | 42<br>8 | 714,137.<br>51  | 2,162,481.<br>11 |
| 42<br>8                           | 42<br>9 | N21°51'10.5<br>8"O | 28.91  | 42<br>9 | 714,126.<br>75  | 2,162,507.<br>94 |
| 42<br>9                           | 43<br>0 | N77°24'24.0<br>1"E | 16.37  | 43<br>0 | 714,142.<br>73  | 2,162,511.<br>51 |
| 43<br>0                           | 43<br>1 | N04°28'17.7<br>1"E | 64.52  | 43<br>1 | 714,147.<br>76  | 2,162,575.<br>83 |
| 43<br>1                           | 43<br>2 | N19°10'44.4<br>3"E | 0.24   | 43<br>2 | 714,147.<br>84  | 2,162,576.<br>06 |
| 43<br>2                           | 43<br>3 | N46°44'08.5<br>4"E | 0.23   | 43<br>3 | 714,148.<br>01  | 2,162,576.<br>22 |
| 43<br>3                           | 43<br>4 | N59°51'51.0<br>8"E | 37.27  | 43<br>4 | 714,180.<br>24  | 2,162,594.<br>93 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO V |     |                |       |     |                 |              |
|-----------------------------------|-----|----------------|-------|-----|-----------------|--------------|
| LADO                              |     | RUMBO          | DIST. | V   | COORDENADAS UTM |              |
| EST                               | PV  |                |       |     | X               | Y            |
| 434                               | 435 | N08°38'30.72"E | 72.68 | 435 | 714,191.16      | 2,162,666.78 |
| 435                               | 436 | N72°34'50.11"E | 37.11 | 436 | 714,226.57      | 2,162,677.89 |
| 436                               | 437 | N05°44'03.14"E | 19.32 | 437 | 714,224.64      | 2,162,697.11 |
| 437                               | 438 | S88°30'50.65"E | 80.60 | 438 | 714,144.07      | 2,162,695.02 |
| 438                               | 439 | N19°10'54.40"E | 25.47 | 439 | 714,152.44      | 2,162,719.08 |
| 439                               | 440 | N52°48'31.09"E | 70.94 | 440 | 714,208.95      | 2,162,761.96 |
| 440                               | 441 | N21°02'30.29"E | 29.13 | 441 | 714,219.41      | 2,162,789.15 |
| 441                               | 442 | N60°06'38.37"E | 32.47 | 442 | 714,247.56      | 2,162,805.33 |
| 442                               | 443 | N83°23'38.13"E | 72.58 | 443 | 714,319.66      | 2,162,813.68 |
| 443                               | 444 | N54°03'02.60"E | 1.62  | 444 | 714,320.97      | 2,162,814.63 |
| 444                               | 445 | N77°44'06.81"E | 0.24  | 445 | 714,321.20      | 2,162,814.68 |
| 445                               | 446 | S82°52'29.94"E | 0.16  | 446 | 714,321.36      | 2,162,814.66 |
| 446                               | 447 | N54°22'48.69"E | 31.63 | 447 | 714,347.07      | 2,162,833.08 |
| 447                               | 448 | N25°07'01.91"E | 61.77 | 448 | 714,373.29      | 2,162,889.01 |
| 448                               | 449 | N02°23'19.98"E | 48.70 | 449 | 714,375.32      | 2,162,937.67 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO V |     |                |        |     |                 |              |
|-----------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                              |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| EST                               | PV  |                |        |     | X               | Y            |
| 449                               | 450 | N24°39'51.36"E | 23.46  | 450 | 714,365.53      | 2,162,958.99 |
| 450                               | 451 | S67°41'45.92"E | 94.86  | 451 | 714,453.29      | 2,162,922.99 |
| 451                               | 452 | N26°33'54.18"E | 31.98  | 452 | 714,467.59      | 2,162,951.59 |
| 452                               | 453 | S78°41'41.39"E | 47.19  | 453 | 714,513.86      | 2,162,942.34 |
| 453                               | 454 | N83°34'01.11"E | 52.48  | 454 | 714,566.01      | 2,162,948.22 |
| 454                               | 455 | N64°37'01.37"E | 72.62  | 455 | 714,631.62      | 2,162,979.35 |
| 455                               | 456 | S89°48'55.60"E | 124.18 | 456 | 714,755.80      | 2,162,978.95 |
| 456                               | 457 | S77°56'47.38"E | 60.15  | 457 | 714,814.62      | 2,162,966.39 |
| 457                               | 458 | N74°43'10.83"E | 103.66 | 458 | 714,914.62      | 2,162,993.71 |
| 458                               | 459 | S05°55'03.55"E | 42.68  | 459 | 714,919.02      | 2,162,951.26 |
| 459                               | 460 | S16°43'15.08"E | 119.36 | 460 | 714,884.68      | 2,162,836.95 |
| 460                               | 461 | S67°34'50.51"E | 23.07  | 461 | 714,906.01      | 2,162,828.15 |
| 461                               | 462 | S17°42'32.20"E | 94.09  | 462 | 714,877.39      | 2,162,738.52 |
| 462                               | 463 | S69°26'38.24"E | 42.29  | 463 | 714,916.99      | 2,162,723.67 |
| 463                               | 464 | N21°12'15.90"E | 265.19 | 464 | 715,012.91      | 2,162,970.91 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO VI |    |                |        |    |                 |              |
|------------------------------------|----|----------------|--------|----|-----------------|--------------|
| LADO                               |    | RUMBO          | DIST.  | V  | COORDENADAS UTM |              |
| EST                                | PV |                |        |    | X               | Y            |
|                                    |    |                |        | 1  | 709,822.90      | 2,161,365.93 |
| 1                                  | 2  | S84°57'57.15"E | 201.60 | 2  | 710,023.72      | 2,161,348.24 |
| 2                                  | 3  | N86°25'49.81"E | 57.50  | 3  | 710,081.11      | 2,161,351.82 |
| 3                                  | 4  | S89°08'47.40"E | 192.67 | 4  | 710,273.76      | 2,161,348.95 |
| 4                                  | 5  | S84°25'35.27"E | 83.19  | 5  | 710,356.56      | 2,161,340.87 |
| 5                                  | 6  | S59°25'14.78"E | 0.26   | 6  | 710,356.78      | 2,161,340.74 |
| 6                                  | 7  | S45°01'12.76"E | 20.05  | 7  | 710,370.96      | 2,161,326.57 |
| 7                                  | 8  | S72°37'51.49"E | 68.34  | 8  | 710,436.18      | 2,161,306.17 |
| 8                                  | 9  | S38°58'28.05"E | 67.97  | 9  | 710,478.93      | 2,161,253.33 |
| 9                                  | 10 | S71°10'58.05"E | 479.68 | 10 | 710,932.97      | 2,161,098.61 |
| 10                                 | 11 | N53°56'44.79"E | 94.13  | 11 | 711,009.07      | 2,161,154.01 |
| 11                                 | 12 | N64°07'41.55"E | 25.87  | 12 | 711,032.35      | 2,161,165.30 |
| 12                                 | 13 | N77°44'06.81"E | 0.24   | 13 | 711,032.58      | 2,161,165.35 |
| 13                                 | 14 | S73°04'20.95"E | 0.24   | 14 | 711,032.81      | 2,161,165.28 |
| 14                                 | 15 | S60°26'22.72"E | 12.32  | 15 | 711,043.53      | 2,161,159.20 |
| 15                                 | 16 | S43°31'52.32"E | 0.28   | 16 | 711,043.72      | 2,161,159.00 |
| 16                                 | 17 | S20°22'42.70"E | 36.64  | 17 | 711,056.48      | 2,161,124.65 |
| 17                                 | 18 | S06°45'33.76"E | 42.57  | 18 | 711,061.49      | 2,161,082.38 |
| 18                                 | 19 | N80°54'09.14"E | 94.49  | 19 | 711,154.79      | 2,161,097.32 |
| 19                                 | 20 | S41°48'05.67"E | 49.55  | 20 | 711,187.82      | 2,161,060.38 |
| 20                                 | 21 | S25°23'35.72"E | 59.04  | 21 | 711,213.14      | 2,161,007.04 |
| 21                                 | 22 | S05°11'39.94"E | 0.22   | 22 | 711,213.16      | 2,161,006.82 |
| 22                                 | 23 | S08°41'56.77"E | 11.11  | 23 | 711,211.48      | 2,160,995.84 |
| 23                                 | 24 | S21°30'34.61"E | 47.40  | 24 | 711,194.10      | 2,160,951.74 |
| 24                                 | 25 | S11°09'16.78"E | 23.88  | 25 | 711,198.72      | 2,160,928.31 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO VI |    |                |        |    |                 |              |
|------------------------------------|----|----------------|--------|----|-----------------|--------------|
| LADO                               |    | RUMBO          | DIST.  | V  | COORDENADAS UTM |              |
| EST                                | PV |                |        |    | X               | Y            |
| 25                                 | 26 | S55°36'16.84"E | 66.47  | 26 | 711,253.57      | 2,160,890.76 |
| 26                                 | 27 | N77°04'35.23"E | 63.45  | 27 | 711,315.41      | 2,160,904.95 |
| 27                                 | 28 | S82°14'05.40"E | 0.22   | 28 | 711,315.63      | 2,160,904.92 |
| 28                                 | 29 | S68°55'49.22"E | 19.19  | 29 | 711,333.54      | 2,160,898.02 |
| 29                                 | 30 | S46°44'08.54"E | 0.23   | 30 | 711,333.71      | 2,160,897.86 |
| 30                                 | 31 | S32°15'30.08"E | 30.97  | 31 | 711,350.24      | 2,160,871.67 |
| 31                                 | 32 | S07°36'20.22"E | 41.40  | 32 | 711,355.72      | 2,160,830.63 |
| 32                                 | 33 | S44°41'47.64"E | 45.40  | 33 | 711,387.65      | 2,160,798.36 |
| 33                                 | 34 | S16°25'45.64"E | 160.02 | 34 | 711,342.39      | 2,160,644.87 |
| 34                                 | 35 | S00°00'00.00"E | 91.55  | 35 | 711,342.39      | 2,160,553.32 |
| 35                                 | 36 | S07°03'19.39"E | 198.00 | 36 | 711,318.07      | 2,160,356.82 |
| 36                                 | 37 | S48°19'13.48"E | 84.73  | 37 | 711,381.35      | 2,160,300.48 |
| 37                                 | 38 | S61°03'54.57"E | 37.64  | 38 | 711,348.41      | 2,160,282.27 |
| 38                                 | 39 | S42°51'28.54"E | 135.83 | 39 | 711,440.80      | 2,160,182.70 |
| 39                                 | 40 | S70°07'02.38"E | 220.79 | 40 | 711,648.43      | 2,160,107.61 |
| 40                                 | 41 | S65°10'07.07"E | 88.25  | 41 | 711,728.52      | 2,160,070.55 |
| 41                                 | 42 | S58°15'50.71"E | 115.17 | 42 | 711,826.47      | 2,160,009.97 |
| 42                                 | 43 | S54°59'05.76"E | 109.99 | 43 | 711,916.55      | 2,159,946.86 |
| 43                                 | 44 | S64°07'19.23"E | 26.85  | 44 | 711,940.71      | 2,159,935.14 |
| 44                                 | 45 | S38°55'09.48"E | 66.55  | 45 | 711,982.52      | 2,159,883.36 |
| 45                                 | 46 | S60°57'44.30"E | 13.16  | 46 | 711,994.03      | 2,159,876.97 |
| 46                                 | 47 | S77°26'42.41"E | 11.91  | 47 | 712,005.66      | 2,159,874.38 |
| 47                                 | 48 | S65°34'16.49"E | 15.60  | 48 | 712,019.86      | 2,159,867.93 |
| 48                                 | 49 | N88°13'00.42"E | 66.84  | 49 | 712,086.67      | 2,159,870.01 |
| 49                                 | 50 | S72°35'23.16"E | 159.32 | 50 | 712,238.69      | 2,159,822.34 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO VI |     |    |                |        |     |                 |              |  |  |
|------------------------------------|-----|----|----------------|--------|-----|-----------------|--------------|--|--|
| LADO                               | EST | PV | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |  |  |
|                                    |     |    |                |        |     | X               | Y            |  |  |
| 50                                 | 51  |    | S61°15'23.86"E | 81.54  | 51  | 712,310.18      | 2,159,783.13 |  |  |
| 51                                 | 52  |    | S57°31'51.84"E | 77.83  | 52  | 712,375.84      | 2,159,741.35 |  |  |
| 52                                 | 53  |    | S54°49'52.34"E | 103.82 | 53  | 712,460.71      | 2,159,681.55 |  |  |
| 53                                 | 54  |    | S59°41'15.40"E | 407.62 | 54  | 712,812.60      | 2,159,475.82 |  |  |
| 54                                 | 55  |    | S62°44'55.75"E | 100.46 | 55  | 712,901.91      | 2,159,429.82 |  |  |
| 55                                 | 56  |    | S67°00'26.99"E | 97.10  | 56  | 712,991.30      | 2,159,391.89 |  |  |
| 56                                 | 57  |    | S43°21'48.32"E | 0.25   | 57  | 712,991.47      | 2,159,391.71 |  |  |
| 57                                 | 58  |    | S14°02'10.48"E | 0.25   | 58  | 712,991.53      | 2,159,391.47 |  |  |
| 58                                 | 59  |    | S00°00'39.71"O | 103.88 | 59  | 712,991.51      | 2,159,287.59 |  |  |
| 59                                 | 60  |    | S52°09'16.64"O | 49.22  | 60  | 712,952.64      | 2,159,257.39 |  |  |
| 60                                 | 61  |    | S14°33'55.03"E | 54.64  | 61  | 712,966.38      | 2,159,204.51 |  |  |
| 61                                 | 62  |    | S85°14'24.08"E | 51.94  | 62  | 713,018.14      | 2,159,200.20 |  |  |
| 62                                 | 63  |    | S17°58'22.24"E | 55.68  | 63  | 713,035.32      | 2,159,147.24 |  |  |
| 63                                 | 64  |    | N88°13'21.52"E | 54.17  | 64  | 713,089.46      | 2,159,148.92 |  |  |
| 64                                 | 65  |    | S49°58'15.08"E | 31.50  | 65  | 713,113.58      | 2,159,128.66 |  |  |
| 65                                 | 66  |    | S29°11'02.69"E | 51.58  | 66  | 713,138.73      | 2,159,083.63 |  |  |
| 66                                 | 67  |    | S04°52'45.76"E | 66.19  | 67  | 713,144.36      | 2,159,017.68 |  |  |
| 67                                 | 68  |    | N82°17'20.38"E | 53.36  | 68  | 713,197.24      | 2,159,024.84 |  |  |
| 68                                 | 69  |    | S07°32'18.68"E | 45.20  | 69  | 713,203.17      | 2,158,980.03 |  |  |
| 69                                 | 70  |    | S31°03'40.91"O | 17.11  | 70  | 713,194.34      | 2,158,965.37 |  |  |
| 70                                 | 71  |    | S19°49'35.64"O | 39.71  | 71  | 713,180.87      | 2,158,928.01 |  |  |
| 71                                 | 72  |    | S27°29'56.90"E | 39.50  | 72  | 713,199.11      | 2,158,892.97 |  |  |
| 72                                 | 73  |    | S62°25'05.36"E | 123.99 | 73  | 713,309.01      | 2,158,835.56 |  |  |
| 73                                 | 74  |    | S79°59'37.36"E | 58.88  | 74  | 713,366.99      | 2,158,825.33 |  |  |
| 74                                 | 75  |    | S61°34'19.82"E | 80.62  | 75  | 713,437.89      | 2,158,786.95 |  |  |
| 75                                 | 76  |    | S79°41'34.39"E | 67.79  | 76  | 713,504.59      | 2,158,774.82 |  |  |
| 76                                 | 77  |    | S64°03'31.40"E | 95.71  | 77  | 713,590.66      | 2,158,732.95 |  |  |
| 77                                 | 78  |    | N88°48'52.73"E | 42.54  | 78  | 713,633.19      | 2,158,733.83 |  |  |
| 78                                 | 79  |    | S78°41'24.24"E | 0.20   | 79  | 713,633.39      | 2,158,733.79 |  |  |
| 79                                 | 80  |    | S59°58'27.19"E | 60.97  | 80  | 713,686.18      | 2,158,703.28 |  |  |
| 80                                 | 81  |    | S62°42'05.93"E | 107.63 | 81  | 713,781.82      | 2,158,653.92 |  |  |
| 81                                 | 82  |    | S52°25'53.07"E | 0.16   | 82  | 713,781.95      | 2,158,653.82 |  |  |
| 82                                 | 83  |    | S25°03'52.04"E | 47.30  | 83  | 713,801.99      | 2,158,610.97 |  |  |
| 83                                 | 84  |    | S44°20'24.35"E | 171.29 | 84  | 713,921.71      | 2,158,488.46 |  |  |
| 84                                 | 85  |    | S63°26'57.50"E | 89.24  | 85  | 714,001.54      | 2,158,448.57 |  |  |
| 85                                 | 86  |    | S50°11'39.94"E | 0.23   | 86  | 714,001.72      | 2,158,448.42 |  |  |
| 86                                 | 87  |    | S36°19'16.74"E | 110.92 | 87  | 714,067.42      | 2,158,359.05 |  |  |
| 87                                 | 88  |    | S19°58'59.18"E | 0.23   | 88  | 714,067.50      | 2,158,358.83 |  |  |
| 88                                 | 89  |    | S02°29'22.39"O | 0.23   | 89  | 714,067.49      | 2,158,358.60 |  |  |
| 89                                 | 90  |    | S28°18'02.72"O | 0.15   | 90  | 714,067.42      | 2,158,358.47 |  |  |
| 90                                 | 91  |    | S35°07'41.12"O | 82.45  | 91  | 714,019.98      | 2,158,291.04 |  |  |
| 91                                 | 92  |    | S30°50'56.12"O | 160.87 | 92  | 713,937.49      | 2,158,152.93 |  |  |
| 92                                 | 93  |    | S20°09'31.53"O | 154.11 | 93  | 713,884.38      | 2,158,008.26 |  |  |
| 93                                 | 94  |    | S43°15'51.46"O | 0.23   | 94  | 713,884.22      | 2,158,008.09 |  |  |
| 94                                 | 95  |    | S56°48'08.04"O | 88.12  | 95  | 713,810.48      | 2,157,959.84 |  |  |
| 95                                 | 96  |    | S31°41'56.17"E | 109.20 | 96  | 713,867.86      | 2,157,866.93 |  |  |
| 96                                 | 97  |    | S45°56'19.87"E | 39.27  | 97  | 713,896.08      | 2,157,839.62 |  |  |
| 97                                 | 98  |    | S81°59'13.48"E | 91.97  | 98  | 713,987.15      | 2,157,826.80 |  |  |
| 98                                 | 99  |    | N14°39'50.67"E | 80.35  | 99  | 714,007.49      | 2,157,904.53 |  |  |
| 99                                 | 100 |    | S54°20'43.90"E | 142.00 | 100 | 714,122.87      | 2,157,821.76 |  |  |
| 100                                | 101 |    | S64°07'32.71"E | 122.78 | 101 | 714,233.34      | 2,157,768.18 |  |  |
| 101                                | 102 |    | S75°26'29.77"E | 237.66 | 102 | 714,463.37      | 2,157,708.44 |  |  |
| 102                                | 103 |    | S59°27'58.88"E | 48.20  | 103 | 714,504.89      | 2,157,683.95 |  |  |
| 103                                | 104 |    | S36°31'57.69"E | 106.71 | 104 | 714,568.41      | 2,157,598.21 |  |  |
| 104                                | 105 |    | S23°11'54.93"E | 0.23   | 105 | 714,568.50      | 2,157,598.00 |  |  |
| 105                                | 106 |    | S03°48'50.67"E | 0.15   | 106 | 714,568.51      | 2,157,597.85 |  |  |
| 106                                | 107 |    | S24°16'54.05"O | 53.77  | 107 | 714,546.40      | 2,157,548.84 |  |  |
| 107                                | 108 |    | S46°54'20.62"E | 66.98  | 108 | 714,595.31      | 2,157,503.08 |  |  |
| 108                                | 109 |    | S51°50'29.06"E | 141.22 | 109 | 714,706.35      | 2,157,415.83 |  |  |
| 109                                | 110 |    | S59°14'46.15"E | 223.29 | 110 | 714,898.24      | 2,157,301.65 |  |  |
| 110                                | 111 |    | S84°20'27.53"E | 310.62 | 111 | 715,207.35      | 2,157,271.02 |  |  |

| CUADRO DE CONSTRUCCIÓN POLÍGONO VI |     |                |        |     |                 |              |  |
|------------------------------------|-----|----------------|--------|-----|-----------------|--------------|--|
| LADO                               |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |  |
| EST                                | PV  |                |        |     | X               | Y            |  |
| 111                                | 112 | N85°50'33.85"E | 131.04 | 112 | 715,338.05      | 2,157,280.52 |  |
| 112                                | 113 | N79°02'36.67"E | 75.03  | 113 | 715,411.71      | 2,157,294.78 |  |
| 113                                | 114 | N75°45'21.55"E | 162.53 | 114 | 715,569.24      | 2,157,334.77 |  |
| 114                                | 115 | N89°45'40.57"E | 0.24   | 115 | 715,569.48      | 2,157,334.77 |  |
| 115                                | 116 | S67°52'12.23"E | 0.16   | 116 | 715,569.63      | 2,157,334.71 |  |
| 116                                | 117 | S47°29'22.39"E | 0.16   | 117 | 715,569.75      | 2,157,334.60 |  |
| 117                                | 118 | S29°44'41.57"E | 0.16   | 118 | 715,569.83      | 2,157,334.46 |  |
| 118                                | 119 | S14°02'10.48"E | 0.16   | 119 | 715,569.87      | 2,157,334.30 |  |
| 119                                | 120 | S14°02'10.48"O | 0.25   | 120 | 715,569.81      | 2,157,334.06 |  |
| 120                                | 121 | S26°13'08.36"O | 123.65 | 121 | 715,515.18      | 2,157,223.13 |  |
| 121                                | 122 | S50°11'39.94"O | 0.23   | 122 | 715,515.00      | 2,157,222.98 |  |
| 122                                | 123 | S66°48'05.07"O | 0.15   | 123 | 715,514.86      | 2,157,222.92 |  |
| 123                                | 124 | N89°37'04.92"O | 0.15   | 124 | 715,514.71      | 2,157,222.92 |  |
| 124                                | 125 | N83°03'34.16"O | 15.72  | 125 | 715,499.11      | 2,157,224.82 |  |
| 125                                | 126 | N89°59'22.90"O | 5.56   | 126 | 715,493.55      | 2,157,224.82 |  |
| 126                                | 127 | S50°08'49.81"O | 5.59   | 127 | 715,489.26      | 2,157,221.24 |  |
| 127                                | 128 | S18°05'16.35"E | 65.25  | 128 | 715,509.52      | 2,157,159.21 |  |
| 128                                | 129 | S54°35'23.10"E | 36.59  | 129 | 715,539.34      | 2,157,138.01 |  |
| 129                                | 130 | S63°45'42.07"O | 57.25  | 130 | 715,487.99      | 2,157,112.70 |  |
| 130                                | 131 | N81°32'12.06"O | 18.48  | 131 | 715,469.71      | 2,157,115.42 |  |
| 131                                | 132 | S10°28'36.64"O | 19.96  | 132 | 715,466.08      | 2,157,095.79 |  |
| 132                                | 133 | S39°05'33.68"E | 23.77  | 133 | 715,481.07      | 2,157,077.34 |  |
| 133                                | 134 | S58°18'25.09"E | 30.72  | 134 | 715,507.21      | 2,157,061.20 |  |
| 134                                | 135 | S06°02'12.34"O | 47.54  | 135 | 715,502.21      | 2,157,013.92 |  |
| 135                                | 136 | S72°41'58.79"O | 47.11  | 136 | 715,457.23      | 2,156,999.91 |  |
| 136                                | 137 | S00°31'52.76"E | 38.82  | 137 | 715,457.59      | 2,156,961.09 |  |
| 137                                | 138 | S00°31'06.98"E | 74.02  | 138 | 715,458.26      | 2,156,887.07 |  |
| 138                                | 139 | N88°04'52.05"E | 92.28  | 139 | 715,550.49      | 2,156,890.16 |  |
| 139                                | 140 | N01°46'49.97"E | 124.23 | 140 | 715,554.35      | 2,157,014.33 |  |
| 140                                | 141 | N79°59'38.20"E | 34.47  | 141 | 715,588.30      | 2,157,020.32 |  |
| 141                                | 142 | N02°12'21.56"E | 51.96  | 142 | 715,590.30      | 2,157,072.24 |  |
| 142                                | 143 | N85°45'57.83"E | 60.27  | 143 | 715,650.41      | 2,157,076.69 |  |
| 143                                | 144 | S48°50'39.97"E | 42.61  | 144 | 715,682.49      | 2,157,048.65 |  |
| 144                                | 145 | S37°24'19.28"E | 0.21   | 145 | 715,682.62      | 2,157,048.48 |  |
| 145                                | 146 | S17°16'56.42"E | 188.33 | 146 | 715,738.57      | 2,156,868.65 |  |
| 146                                | 147 | S02°36'09.22"O | 0.22   | 147 | 715,738.56      | 2,156,868.43 |  |
| 147                                | 148 | S13°28'07.33"O | 145.93 | 148 | 715,704.57      | 2,156,726.51 |  |
| 148                                | 149 | S44°21'09.49"O | 125.80 | 149 | 715,616.63      | 2,156,636.56 |  |
| 149                                | 150 | S39°12'16.48"O | 97.90  | 150 | 715,554.75      | 2,156,560.70 |  |
| 150                                | 151 | S34°33'37.82"O | 108.99 | 151 | 715,492.92      | 2,156,470.94 |  |
| 151                                | 152 | S10°11'15.97"O | 112.06 | 152 | 715,473.10      | 2,156,360.65 |  |
| 152                                | 153 | S04°34'26.12"E | 0.25   | 153 | 715,473.12      | 2,156,360.40 |  |
| 153                                | 154 | S25°33'35.87"O | 0.25   | 154 | 715,473.01      | 2,156,360.17 |  |
| 154                                | 155 | S11°21'45.07"E | 262.82 | 155 | 715,524.79      | 2,156,102.50 |  |
| 155                                | 156 | S01°44'29.04"E | 70.09  | 156 | 715,526.92      | 2,156,032.44 |  |
| 156                                | 157 | S01°11'33.61"O | 101.85 | 157 | 715,524.80      | 2,155,930.61 |  |
| 157                                | 158 | S12°48'12.81"O | 143.41 | 158 | 715,493.02      | 2,155,790.77 |  |
| 158                                | 159 | S19°38'20.83"E | 31.45  | 159 | 715,503.59      | 2,155,761.15 |  |
| 159                                | 160 | S00°01'47.26"E | 19.23  | 160 | 715,503.60      | 2,155,741.92 |  |
| 160                                | 161 | S10°22'24.67"O | 23.88  | 161 | 715,499.30      | 2,155,718.43 |  |
| 161                                | 162 | S34°41'42.55"O | 0.16   | 162 | 715,499.21      | 2,155,718.30 |  |
| 162                                | 163 | S45°00'00.00"O | 18.03  | 163 | 715,486.46      | 2,155,705.55 |  |
| 163                                | 164 | S54°10'12.02"O | 47.17  | 164 | 715,448.22      | 2,155,677.94 |  |
| 164                                | 165 | S74°54'39.73"O | 57.16  | 165 | 715,393.03      | 2,155,663.06 |  |
| 165                                | 166 | S63°26'17.99"O | 75.74  | 166 | 715,325.28      | 2,155,629.19 |  |
| 166                                | 167 | S51°20'40.57"O | 40.57  | 167 | 715,293.60      | 2,155,603.85 |  |
| 167                                | 168 | S26°12'31.70"O | 67.61  | 168 | 715,263.74      | 2,155,543.19 |  |
| 168                                | 169 | S51°20'24.69"O | 0.19   | 169 | 715,263.59      | 2,155,543.07 |  |
| 169                                | 170 | S59°28'00.18"O | 14.15  | 170 | 715,251.40      | 2,155,535.88 |  |
| 170                                | 171 | S64°20'27.96"O | 13.86  | 171 | 715,238.91      | 2,155,529.88 |  |
| 171                                | 172 | S77°28'16.29"O | 0.18   | 172 | 715,238.73      | 2,155,529.88 |  |

| CUADRO DE CONSTRUCCIÓN POLÍGONO VI |     |                |        |     |                 |              |
|------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                               |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| EST                                | PV  |                |        |     | X               | Y            |
| 172                                | 173 | N83°18'34.09"O | 8.67   | 173 | 715,230.12      | 2,155,530.85 |
| 173                                | 174 | N70°12'09.82"O | 13.43  | 174 | 715,217.48      | 2,155,535.40 |
| 174                                | 175 | N39°19'06.43"O | 90.21  | 175 | 715,160.32      | 2,155,605.19 |
| 175                                | 176 | N20°33'21.76"O | 0.17   | 176 | 715,160.26      | 2,155,605.35 |
| 176                                | 177 | N00°00'00.00"O | 0.18   | 177 | 715,160.26      | 2,155,605.53 |
| 177                                | 178 | N20°33'21.76"E | 0.17   | 178 | 715,160.32      | 2,155,605.69 |
| 178                                | 179 | N42°42'33.80"E | 0.18   | 179 | 715,160.44      | 2,155,605.82 |
| 179                                | 180 | N51°14'42.71"E | 53.69  | 180 | 715,202.31      | 2,155,639.48 |
| 180                                | 181 | N45°00'00.00"O | 83.69  | 181 | 715,143.13      | 2,155,698.62 |
| 181                                | 182 | S50°15'07.68"O | 150.01 | 182 | 715,027.79      | 2,155,602.69 |
| 182                                | 183 | S41°11'09.33"E | 43.58  | 183 | 715,056.49      | 2,155,569.89 |
| 183                                | 184 | S54°23'38.76"O | 67.36  | 184 | 715,001.72      | 2,155,530.67 |
| 184                                | 185 | S38°13'19.87"O | 121.87 | 185 | 714,926.32      | 2,155,434.93 |
| 185                                | 186 | S16°49'24.32"O | 38.01  | 186 | 714,915.32      | 2,155,398.55 |
| 186                                | 187 | S12°17'34.18"O | 67.68  | 187 | 714,900.91      | 2,155,332.42 |
| 187                                | 188 | S05°08'11.66"O | 33.17  | 188 | 714,897.94      | 2,155,299.38 |
| 188                                | 189 | S00°20'46.12"O | 69.52  | 189 | 714,897.52      | 2,155,229.86 |
| 189                                | 190 | S06°10'07.36"E | 63.10  | 190 | 714,904.30      | 2,155,167.13 |
| 190                                | 191 | S14°34'18.98"E | 43.84  | 191 | 714,915.33      | 2,155,124.70 |
| 191                                | 192 | S07°43'52.11"E | 59.91  | 192 | 714,923.39      | 2,155,065.33 |
| 192                                | 193 | S20°32'56.02"E | 46.89  | 193 | 714,939.85      | 2,155,021.42 |
| 193                                | 194 | S53°08'12.80"E | 16.89  | 194 | 714,953.36      | 2,155,011.29 |
| 194                                | 195 | S40°34'53.80"E | 15.79  | 195 | 714,963.63      | 2,154,999.30 |
| 195                                | 196 | S21°15'57.20"E | 32.78  | 196 | 714,975.52      | 2,154,968.75 |
| 196                                | 197 | S39°25'45.76"E | 18.72  | 197 | 714,987.41      | 2,154,954.29 |
| 197                                | 198 | S19°11'54.17"E | 20.65  | 198 | 714,994.20      | 2,154,934.79 |
| 198                                | 199 | S35°49'45.78"E | 18.72  | 199 | 715,005.16      | 2,154,919.61 |
| 199                                | 200 | S43°55'00.02"E | 63.58  | 200 | 715,049.26      | 2,154,873.81 |
| 200                                | 201 | S40°36'04.66"E | 15.67  | 201 | 715,059.46      | 2,154,861.91 |
| 201                                | 202 | S26°33'54.18"E | 0.25   | 202 | 715,059.57      | 2,154,861.69 |
| 202                                | 203 | S03°34'34.80"E | 0.16   | 203 | 715,059.58      | 2,154,861.53 |
| 203                                | 204 | S17°21'14.49"O | 0.17   | 204 | 715,059.53      | 2,154,861.37 |
| 204                                | 205 | S40°06'03.27"O | 0.25   | 205 | 715,059.37      | 2,154,861.18 |
| 205                                | 206 | S68°37'45.76"O | 0.25   | 206 | 715,059.14      | 2,154,861.09 |
| 206                                | 207 | S82°39'31.12"O | 26.61  | 207 | 715,032.75      | 2,154,857.69 |
| 207                                | 208 | N84°47'40.27"O | 56.32  | 208 | 714,976.66      | 2,154,862.80 |
| 208                                | 209 | N69°50'21.83"O | 27.30  | 209 | 714,951.03      | 2,154,872.21 |
| 209                                | 210 | N67°27'39.75"O | 192.30 | 210 | 714,773.42      | 2,154,945.92 |
| 210                                | 211 | N86°57'08.08"O | 32.73  | 211 | 714,740.74      | 2,154,947.66 |
| 211                                | 212 | N56°48'40.46"O | 55.79  | 212 | 714,694.05      | 2,154,978.20 |
| 212                                | 213 | N81°28'30.20"O | 34.07  | 213 | 714,660.36      | 2,154,983.25 |
| 213                                | 214 | S65°32'26.14"O | 128.90 | 214 | 714,543.03      | 2,154,929.88 |
| 214                                | 215 | S52°47'03.28"O | 84.16  | 215 | 714,476.01      | 2,154,878.98 |
| 215                                | 216 | S63°27'42.49"O | 28.63  | 216 | 714,450.40      | 2,154,866.19 |
| 216                                | 217 | S85°12'55.69"O | 20.50  | 217 | 714,429.97      | 2,154,864.48 |
| 217                                | 218 | N82°52'29.94"O | 0.16   | 218 | 714,429.81      | 2,154,864.50 |
| 218                                | 219 | N76°06'04.81"O | 42.42  | 219 | 714,388.63      | 2,154,874.69 |
| 219                                | 220 | N72°48'04.62"O | 74.61  | 220 | 714,317.36      | 2,154,896.75 |
| 220                                | 221 | N62°57'19.91"O | 33.67  | 221 | 714,287.37      | 2,154,912.06 |
| 221                                | 222 | N50°50'42.06"O | 28.19  | 222 | 714,265.51      | 2,154,929.86 |
| 222                                | 223 | N75°40'01.32"O | 119.89 | 223 | 714,149.35      | 2,154,959.54 |
| 223                                | 224 | N64°30'03.27"O | 41.35  | 224 | 714,112.03      | 2,154,977.34 |
| 224                                | 225 | N83°52'30.34"O | 23.81  | 225 | 714,088.36      | 2,154,979.88 |
| 225                                | 226 | N72°28'27.95"O | 0.20   | 226 | 714,088.17      | 2,154,979.94 |
| 226                                | 227 | N60°46'39.68"O | 33.18  | 227 | 714,059.21      | 2,154,996.14 |
| 227                                | 228 | N29°31'50.45"O | 22.56  | 228 | 714,048.09      | 2,155,015.77 |
| 228                                | 229 | N23°02'21.43"O | 80.28  | 229 | 714,016.67      | 2,155,089.65 |
| 229                                | 230 | N17°34'26.99"O | 53.26  | 230 | 714,000.59      | 2,155,140.42 |
| 230                                | 231 | N57°58'52.42"O | 136.08 | 231 | 713,885.21      | 2,155,212.57 |
| 231                                | 232 | N23°11'54.93"O | 0.15   | 232 | 713,885.15      | 2,155,212.71 |
| 232                                | 233 | N17°22'14.58"O | 75.77  | 233 | 713,862.53      | 2,155,285.00 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO VI |     |                |        |     |                 |              |
|------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                               |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| EST                                | PV  |                |        |     | X               | Y            |
| 233                                | 234 | N20°46'50.39"O | 153.75 | 234 | 713,807.98      | 2,155,428.77 |
| 234                                | 235 | N06°01'00.91"O | 94.73  | 235 | 713,798.05      | 2,155,522.98 |
| 235                                | 236 | N03°34'34.80"E | 0.16   | 236 | 713,798.06      | 2,155,523.14 |
| 236                                | 237 | N12°37'28.68"E | 315.84 | 237 | 713,867.09      | 2,155,831.34 |
| 237                                | 238 | N54°13'31.38"O | 261.99 | 238 | 713,654.53      | 2,155,984.50 |
| 238                                | 239 | S42°06'11.70"O | 344.62 | 239 | 713,423.47      | 2,155,728.81 |
| 239                                | 240 | S56°58'34.08"O | 0.24   | 240 | 713,423.27      | 2,155,728.68 |
| 240                                | 241 | S79°22'49.24"O | 0.16   | 241 | 713,423.11      | 2,155,728.65 |
| 241                                | 242 | N77°44'06.81"O | 0.24   | 242 | 713,422.88      | 2,155,728.70 |
| 242                                | 243 | N49°53'56.73"O | 0.25   | 243 | 713,422.69      | 2,155,728.86 |
| 243                                | 244 | N22°14'56.49"O | 0.24   | 244 | 713,422.60      | 2,155,729.08 |
| 244                                | 245 | N08°02'36.90"O | 930.92 | 245 | 713,292.34      | 2,156,650.84 |
| 245                                | 246 | N13°10'47.37"O | 251.35 | 246 | 713,235.03      | 2,156,895.57 |
| 246                                | 247 | N17°06'43.02"O | 141.62 | 247 | 713,193.36      | 2,157,030.92 |
| 247                                | 248 | N26°24'47.05"O | 647.40 | 248 | 712,905.37      | 2,157,610.74 |
| 248                                | 249 | N17°22'06.22"O | 61.84  | 249 | 712,886.91      | 2,157,669.76 |
| 249                                | 250 | N23°42'23.73"O | 97.30  | 250 | 712,847.79      | 2,157,758.85 |
| 250                                | 251 | N27°36'56.93"O | 39.26  | 251 | 712,829.59      | 2,157,793.64 |
| 251                                | 252 | S32°10'54.53"O | 132.87 | 252 | 712,758.82      | 2,157,906.10 |
| 252                                | 253 | S77°17'44.86"O | 284.52 | 253 | 712,481.27      | 2,157,843.53 |
| 253                                | 254 | N86°47'03.30"O | 72.55  | 254 | 712,408.83      | 2,157,847.60 |
| 254                                | 255 | N76°36'27.01"O | 0.22   | 255 | 712,408.62      | 2,157,847.65 |
| 255                                | 256 | N55°42'38.74"O | 27.32  | 256 | 712,386.05      | 2,157,863.04 |
| 256                                | 257 | N43°27'03.68"O | 26.68  | 257 | 712,367.70      | 2,157,882.41 |
| 257                                | 258 | N36°54'52.52"O | 15.38  | 258 | 712,358.46      | 2,157,894.71 |
| 258                                | 259 | S32°28'59.90"O | 39.90  | 259 | 712,337.03      | 2,157,928.37 |
| 259                                | 260 | N28°15'51.17"O | 77.52  | 260 | 712,300.32      | 2,157,996.65 |
| 260                                | 261 | N25°20'14.29"O | 43.00  | 261 | 712,281.92      | 2,158,035.51 |
| 261                                | 262 | N11°31'57.45"O | 45.92  | 262 | 712,272.74      | 2,158,080.50 |
| 262                                | 263 | N23°21'46.13"E | 41.23  | 263 | 712,289.09      | 2,158,118.35 |
| 263                                | 264 | N36°52'11.63"E | 0.25   | 264 | 712,289.24      | 2,158,118.55 |
| 264                                | 265 | N56°55'22.09"E | 409.42 | 265 | 712,632.31      | 2,158,342.00 |
| 265                                | 266 | N44°59'60.00"E | 57.53  | 266 | 712,672.99      | 2,158,382.68 |
| 266                                | 267 | N43°32'21.72"O | 15.26  | 267 | 712,662.48      | 2,158,393.74 |
| 267                                | 268 | N75°15'52.20"O | 18.08  | 268 | 712,644.99      | 2,158,398.34 |
| 268                                | 269 | S70°05'24.87"O | 29.37  | 269 | 712,617.38      | 2,158,388.34 |
| 269                                | 270 | N89°45'03.20"O | 0.23   | 270 | 712,617.15      | 2,158,388.34 |
| 270                                | 271 | N87°37'34.41"O | 9.68   | 271 | 712,607.66      | 2,158,390.25 |
| 271                                | 272 | N63°26'05.82"O | 0.25   | 272 | 712,607.44      | 2,158,390.36 |
| 272                                | 273 | N42°30'37.61"O | 0.16   | 273 | 712,607.33      | 2,158,390.48 |
| 273                                | 274 | N12°44'49.34"O | 53.25  | 274 | 712,595.58      | 2,158,442.42 |
| 274                                | 275 | N00°00'00.00"  | 0.22   | 275 | 712,595.58      | 2,158,442.64 |
| 275                                | 276 | N29°00'04.39"E | 90.69  | 276 | 712,639.55      | 2,158,521.96 |
| 276                                | 277 | N64°33'46.00"O | 106.56 | 277 | 712,543.32      | 2,158,567.73 |
| 277                                | 278 | N59°23'50.06"O | 26.68  | 278 | 712,520.36      | 2,158,581.31 |
| 278                                | 279 | N47°29'22.39"O | 0.16   | 279 | 712,520.24      | 2,158,581.42 |
| 279                                | 280 | N26°33'54.18"O | 0.25   | 280 | 712,520.13      | 2,158,581.64 |
| 280                                | 281 | N02°23'09.40"E | 0.24   | 281 | 712,520.14      | 2,158,581.88 |
| 281                                | 282 | N16°46'59.70"E | 14.37  | 282 | 712,524.29      | 2,158,595.64 |
| 282                                | 283 | N45°00'00.00"E | 0.17   | 283 | 712,524.41      | 2,158,595.76 |
| 283                                | 284 | N71°33'54.18"E | 0.25   | 284 | 712,524.65      | 2,158,595.84 |
| 284                                | 285 | N84°22'32.81"E | 21.12  | 285 | 712,545.67      | 2,158,597.91 |
| 285                                | 286 | S81°52'11.63"E | 0.21   | 286 | 712,545.88      | 2,158,597.88 |
| 286                                | 287 | S66°38'23.69"E | 89.91  | 287 | 712,628.42      | 2,158,562.23 |
| 287                                | 288 | S78°56'19.74"E | 18.97  | 288 | 712,647.04      | 2,158,558.59 |
| 288                                | 289 | N75°52'57.06"E | 61.58  | 289 | 712,706.76      | 2,158,573.61 |
| 289                                | 290 | N44°59'60.00"E | 29.03  | 290 | 712,727.29      | 2,158,594.14 |
| 290                                | 291 | N38°43'24.54"O | 15.46  | 291 | 712,717.62      | 2,158,606.20 |
| 291                                | 292 | N52°30'13.77"O | 21.23  | 292 | 712,700.78      | 2,158,619.12 |
| 292                                | 293 | N56°42'01.64"O | 38.25  | 293 | 712,668.81      | 2,158,640.12 |
| 293                                | 294 | N62°41'51.78"O | 721.21 | 294 | 712,027.94      | 2,158,970.92 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO VI |     |                |        |     |                 |              |   |   |  |
|------------------------------------|-----|----------------|--------|-----|-----------------|--------------|---|---|--|
| LADO                               |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              | X | Y |  |
| EST                                | PV  |                |        |     |                 |              |   |   |  |
| 294                                | 295 | S36°35'34.44"O | 484.85 | 295 | 711,738.91      | 2,158,581.65 |   |   |  |
| 295                                | 296 | N61°19'36.67"O | 0.73   | 296 | 711,738.27      | 2,158,582.00 |   |   |  |
| 296                                | 297 | S48°50'45.71"O | 26.99  | 297 | 711,717.95      | 2,158,564.24 |   |   |  |
| 297                                | 298 | S06°42'35.41"O | 0.34   | 298 | 711,717.91      | 2,158,563.90 |   |   |  |
| 298                                | 299 | S25°01'00.82"O | 0.17   | 299 | 711,717.84      | 2,158,563.75 |   |   |  |
| 299                                | 300 | S48°21'59.26"O | 0.24   | 300 | 711,717.66      | 2,158,563.59 |   |   |  |
| 300                                | 301 | S71°33'54.18"O | 0.16   | 301 | 711,717.51      | 2,158,563.54 |   |   |  |
| 301                                | 302 | N89°38'30.86"O | 0.16   | 302 | 711,717.35      | 2,158,563.54 |   |   |  |
| 302                                | 303 | N63°12'13.07"O | 162.61 | 303 | 711,572.20      | 2,158,636.85 |   |   |  |
| 303                                | 304 | N48°12'22.10"O | 35.02  | 304 | 711,546.09      | 2,158,660.19 |   |   |  |
| 304                                | 305 | N80°52'40.19"O | 68.12  | 305 | 711,478.83      | 2,158,670.99 |   |   |  |
| 305                                | 306 | N60°19'14.15"O | 29.30  | 306 | 711,453.37      | 2,158,685.50 |   |   |  |
| 306                                | 307 | N49°37'42.95"O | 79.48  | 307 | 711,392.82      | 2,158,736.98 |   |   |  |
| 307                                | 308 | N59°15'54.82"O | 93.12  | 308 | 711,312.78      | 2,158,784.57 |   |   |  |
| 308                                | 309 | N67°47'10.12"O | 163.81 | 309 | 711,161.13      | 2,158,846.50 |   |   |  |
| 309                                | 310 | N89°03'41.91"O | 45.19  | 310 | 711,115.95      | 2,158,847.24 |   |   |  |
| 310                                | 311 | S22°09'29.00"O | 90.09  | 311 | 711,081.97      | 2,158,763.80 |   |   |  |
| 311                                | 312 | S89°12'12.25"O | 27.33  | 312 | 711,054.64      | 2,158,763.42 |   |   |  |
| 312                                | 313 | N83°32'43.95"O | 103.55 | 313 | 710,951.75      | 2,158,775.06 |   |   |  |
| 313                                | 314 | N68°52'50.67"O | 111.21 | 314 | 710,848.01      | 2,158,815.13 |   |   |  |
| 314                                | 315 | S85°18'38.45"O | 98.59  | 315 | 710,749.75      | 2,158,807.07 |   |   |  |
| 315                                | 316 | N82°11'12.57"O | 47.30  | 316 | 710,702.89      | 2,158,813.50 |   |   |  |
| 316                                | 317 | N64°10'22.86"O | 27.77  | 317 | 710,677.89      | 2,158,825.60 |   |   |  |
| 317                                | 318 | N89°59'55.65"O | 47.47  | 318 | 710,630.42      | 2,158,825.60 |   |   |  |
| 318                                | 319 | N69°58'09.44"O | 48.23  | 319 | 710,585.11      | 2,158,842.12 |   |   |  |
| 319                                | 320 | S13°42'21.94"O | 219.29 | 320 | 710,533.15      | 2,158,629.07 |   |   |  |
| 320                                | 321 | S43°09'08.60"O | 0.22   | 321 | 710,533.00      | 2,158,628.91 |   |   |  |
| 321                                | 322 | S55°09'54.65"O | 91.07  | 322 | 710,458.25      | 2,158,576.89 |   |   |  |
| 322                                | 323 | S63°38'23.91"O | 68.74  | 323 | 710,396.66      | 2,158,546.37 |   |   |  |
| 323                                | 324 | S75°57'49.52"O | 0.16   | 324 | 710,396.50      | 2,158,546.33 |   |   |  |
| 324                                | 325 | S82°03'11.69"O | 40.22  | 325 | 710,356.67      | 2,158,540.77 |   |   |  |
| 325                                | 326 | N82°52'24.59"O | 477.75 | 326 | 709,882.61      | 2,158,600.04 |   |   |  |
| 326                                | 327 | S71°33'17.08"O | 70.32  | 327 | 709,815.90      | 2,158,577.79 |   |   |  |
| 327                                | 328 | N82°52'29.94"O | 0.16   | 328 | 709,815.74      | 2,158,577.81 |   |   |  |
| 328                                | 329 | N56°58'34.08"O | 0.24   | 329 | 709,815.54      | 2,158,577.94 |   |   |  |
| 329                                | 330 | N42°16'47.48"O | 412.43 | 330 | 709,538.08      | 2,158,883.08 |   |   |  |
| 330                                | 331 | N61°22'49.19"O | 302.86 | 331 | 709,272.22      | 2,159,028.15 |   |   |  |
| 331                                | 332 | N72°35'26.19"O | 257.42 | 332 | 709,026.59      | 2,159,105.17 |   |   |  |
| 332                                | 333 | N66°31'46.36"O | 141.41 | 333 | 708,896.88      | 2,159,161.49 |   |   |  |
| 333                                | 334 | N62°10'21.74"O | 246.46 | 334 | 708,678.92      | 2,159,276.54 |   |   |  |
| 334                                | 335 | N38°32'24.57"O | 629.70 | 335 | 708,286.58      | 2,159,769.07 |   |   |  |
| 335                                | 336 | S87°06'09.55"E | 88.43  | 336 | 708,374.90      | 2,159,764.60 |   |   |  |
| 336                                | 337 | N17°03'44.73"E | 12.54  | 337 | 708,378.58      | 2,159,776.59 |   |   |  |
| 337                                | 338 | N16°09'49.45"E | 10.45  | 338 | 708,381.49      | 2,159,786.63 |   |   |  |
| 338                                | 339 | N16°13'09.76"E | 171.78 | 339 | 708,429.47      | 2,159,951.57 |   |   |  |
| 339                                | 340 | N84°08'55.93"O | 197.56 | 340 | 708,232.94      | 2,159,971.71 |   |   |  |
| 340                                | 341 | N13°08'45.43"E | 113.79 | 341 | 708,258.82      | 2,160,082.52 |   |   |  |
| 341                                | 342 | N81°55'52.77"O | 174.12 | 342 | 708,086.42      | 2,160,106.96 |   |   |  |
| 342                                | 343 | N61°05'41.09"E | 137.12 | 343 | 708,206.46      | 2,160,173.24 |   |   |  |
| 343                                | 344 | N87°15'36.56"E | 376.56 | 344 | 708,582.59      | 2,160,191.24 |   |   |  |
| 344                                | 345 | N56°47'20.13"E | 470.11 | 345 | 708,975.91      | 2,160,448.73 |   |   |  |

| CUADRO DE CONSTRUCCIÓN POLÍGONO VI |     |                |        |     |                 |              |   |   |  |
|------------------------------------|-----|----------------|--------|-----|-----------------|--------------|---|---|--|
| LADO                               |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              | X | Y |  |
| EST                                | PV  |                |        |     |                 |              |   |   |  |
| 345                                | 346 | N80°40'29.03"E | 654.29 | 346 | 709,621.55      | 2,160,554.75 |   |   |  |
| 346                                | 347 | S74°59'15.34"E | 176.81 | 347 | 709,792.33      | 2,160,508.95 |   |   |  |
| 347                                | 348 | N44°05'12.03"O | 296.78 | 348 | 709,585.85      | 2,160,722.12 |   |   |  |
| 348                                | 349 | S72°47'11.72"E | 257.66 | 349 | 709,831.97      | 2,160,645.87 |   |   |  |
| 349                                | 350 | N26°13'50.87"O | 143.35 | 350 | 709,768.61      | 2,160,774.46 |   |   |  |
| 350                                | 351 | N23°38'44.17"O | 295.20 | 351 | 709,650.21      | 2,161,044.88 |   |   |  |
| 351                                | 352 | N71°11'43.46"O | 102.93 | 352 | 709,552.77      | 2,161,078.06 |   |   |  |
| 352                                | 353 | N83°03'46.37"O | 66.57  | 353 | 709,486.69      | 2,161,086.10 |   |   |  |
| 353                                | 354 | N60°53'56.31"O | 43.16  | 354 | 709,448.98      | 2,161,107.09 |   |   |  |
| 354                                | 355 | N84°51'04.28"O | 44.35  | 355 | 709,404.81      | 2,161,111.07 |   |   |  |
| 355                                | 356 | N75°59'35.59"O | 117.92 | 356 | 709,290.40      | 2,161,139.61 |   |   |  |
| 356                                | 357 | N76°00'15.29"O | 17.16  | 357 | 709,273.75      | 2,161,143.76 |   |   |  |
| 357                                | 358 | N66°16'05.50"O | 43.88  | 358 | 709,233.58      | 2,161,161.42 |   |   |  |
| 358                                | 359 | N89°46'34.51"O | 35.85  | 359 | 709,197.73      | 2,161,161.56 |   |   |  |
| 359                                | 360 | N82°20'46.95"O | 45.58  | 360 | 709,152.56      | 2,161,167.63 |   |   |  |
| 360                                | 361 | N78°39'28.47"O | 73.37  | 361 | 709,080.62      | 2,161,182.06 |   |   |  |
| 361                                | 362 | N78°39'56.72"O | 27.73  | 362 | 709,053.43      | 2,161,187.51 |   |   |  |
| 362                                | 363 | N64°14'04.11"E | 173.07 | 363 | 709,209.29      | 2,161,262.74 |   |   |  |
| 363                                | 364 | S84°58'12.15"E | 257.99 | 364 | 709,466.29      | 2,161,240.12 |   |   |  |
| 364                                | 365 | N45°02'08.86"O | 260.32 | 365 | 709,282.10      | 2,161,424.08 |   |   |  |
| 365                                | 366 | S88°24'50.63"E | 79.49  | 366 | 709,361.56      | 2,161,421.88 |   |   |  |
| 366                                | 367 | N78°25'08.90"E | 76.31  | 367 | 709,436.32      | 2,161,437.20 |   |   |  |
| 367                                | 368 | N25°51'20.68"O | 58.88  | 368 | 709,410.64      | 2,161,490.19 |   |   |  |
| 368                                | 369 | N54°04'02.16"O | 22.25  | 369 | 709,392.62      | 2,161,503.25 |   |   |  |
| 369                                | 370 | S85°43'24.95"E | 19.04  | 370 | 709,411.61      | 2,161,501.83 |   |   |  |
| 370                                | 371 | S71°33'03.04"E | 216.80 | 371 | 709,617.27      | 2,161,433.22 |   |   |  |
| 371                                | 372 | S83°16'29.17"E | 93.50  | 372 | 709,710.13      | 2,161,422.27 |   |   |  |
| 372                                | 1   | S63°27'11.67"E | 126.06 | 1   | 709,822.90      | 2,161,365.93 |   |   |  |

| CUADRO DE CONSTRUCCIÓN POLÍGONO VII |    |                |       |   |                 |              |
|-------------------------------------|----|----------------|-------|---|-----------------|--------------|
| LADO                                |    | RUMBO          | DIST. | V | COORDENADAS UTM |              |
| EST                                 | PV |                |       |   | X               | Y            |
|                                     |    |                |       | 1 | 711,340.12      | 2,163,877.10 |
| 1                                   | 2  | S46°07'19.78"E | 27.80 | 2 | 711,360.16      | 2,163,857.83 |
| 2                                   | 3  | S68°44'24.80"E | 44.79 | 3 | 711,401.90      | 2,163,841.59 |
| 3                                   | 4  | S39°21'06.31"E | 11.64 | 4 | 711,409.28      | 2,163,832.59 |
| 4                                   | 5  | S24°26'38.24"E | 0.24  | 5 | 711,409.38      | 2,163,832.37 |
| 5                                   | 6  | S03°34'34.80"E | 0.16  | 6 | 711,409.39      | 2,163,832.21 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO VII |    |                |       |    |                 |              |
|-------------------------------------|----|----------------|-------|----|-----------------|--------------|
| LADO                                |    | RUMBO          | DIST. | V  | COORDENADAS UTM |              |
| EST                                 | PV |                |       |    | X               | Y            |
| 6                                   | 7  | S06°51'00.94"O | 24.31 | 7  | 711,406.49      | 2,163,808.07 |
| 7                                   | 8  | S00°00'00.00"O | 38.69 | 8  | 711,406.49      | 2,163,769.38 |
| 8                                   | 9  | S09°09'55.24"O | 30.45 | 9  | 711,401.64      | 2,163,739.32 |
| 9                                   | 10 | S24°46'30.51"O | 0.14  | 10 | 711,401.58      | 2,163,739.19 |
| 10                                  | 11 | S33°43'27.19"O | 13.96 | 11 | 711,393.83      | 2,163,727.58 |
| 11                                  | 12 | S39°27'23.50"O | 21.23 | 12 | 711,380.34      | 2,163,711.19 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO VII |    |                |        |    |                 |              |
|-------------------------------------|----|----------------|--------|----|-----------------|--------------|
| LADO                                |    | RUMBO          | DIST.  | V  | COORDENADAS UTM |              |
| EST                                 | PV |                |        |    | X               | Y            |
| 12                                  | 13 | S18°26'60.00"O | 12.04  | 13 | 711,376.53      | 2,163,699.77 |
| 13                                  | 14 | S02°29'30.51"E | 22.08  | 14 | 711,377.49      | 2,163,677.71 |
| 14                                  | 15 | S21°03'11.04"E | 13.22  | 15 | 711,382.24      | 2,163,665.37 |
| 15                                  | 16 | S56°13'47.79"E | 13.91  | 16 | 711,393.80      | 2,163,657.64 |
| 16                                  | 17 | S35°27'59.06"E | 16.82  | 17 | 711,403.56      | 2,163,643.94 |
| 17                                  | 18 | S11°50'53.76"E | 18.99  | 18 | 711,407.46      | 2,163,625.35 |
| 18                                  | 19 | S24°24'01.21"O | 11.96  | 19 | 711,402.52      | 2,163,614.46 |
| 19                                  | 20 | S44°59'60.00"O | 5.53   | 20 | 711,398.61      | 2,163,610.55 |
| 20                                  | 21 | S59°02'10.48"O | 0.23   | 21 | 711,398.41      | 2,163,610.43 |
| 21                                  | 22 | S82°24'19.28"O | 0.15   | 22 | 711,398.26      | 2,163,610.41 |
| 22                                  | 23 | N89°59'51.80"O | 25.16  | 23 | 711,373.10      | 2,163,610.41 |
| 23                                  | 24 | N35°52'38.70"O | 23.38  | 24 | 711,349.90      | 2,163,613.31 |
| 24                                  | 25 | N89°59'50.65"O | 22.07  | 25 | 711,327.83      | 2,163,613.31 |
| 25                                  | 26 | S60°50'07.78"O | 47.55  | 26 | 711,286.31      | 2,163,590.14 |
| 26                                  | 27 | S75°37'48.84"O | 19.58  | 27 | 711,267.34      | 2,163,585.28 |
| 27                                  | 28 | S89°58'31.32"O | 23.26  | 28 | 711,244.08      | 2,163,585.27 |
| 28                                  | 29 | N78°41'24.24"O | 0.15   | 29 | 711,243.93      | 2,163,585.30 |
| 29                                  | 30 | N72°28'38.70"O | 19.26  | 30 | 711,225.56      | 2,163,591.10 |
| 30                                  | 31 | N59°55'06.48"O | 22.17  | 31 | 711,206.38      | 2,163,602.21 |
| 31                                  | 32 | S84°17'06.02"O | 38.86  | 32 | 711,167.71      | 2,163,598.34 |
| 32                                  | 33 | S55°40'11.22"O | 42.70  | 33 | 711,132.45      | 2,163,574.26 |
| 33                                  | 34 | S07°48'48.25"E | 17.65  | 34 | 711,134.85      | 2,163,556.77 |
| 34                                  | 35 | S30°17'10.01"O | 16.68  | 35 | 711,126.44      | 2,163,542.37 |
| 35                                  | 36 | S62°19'00.44"O | 108.40 | 36 | 711,030.45      | 2,163,492.01 |
| 36                                  | 37 | S79°39'25.96"O | 10.81  | 37 | 711,019.82      | 2,163,490.07 |
| 37                                  | 38 | S48°51'36.89"O | 81.71  | 38 | 710,958.28      | 2,163,436.31 |
| 38                                  | 39 | S82°46'05.84"E | 25.98  | 39 | 710,984.05      | 2,163,433.04 |
| 39                                  | 40 | N82°06'11.74"E | 68.06  | 40 | 711,051.46      | 2,163,442.39 |
| 40                                  | 41 | S87°56'55.50"E | 126.00 | 41 | 711,177.38      | 2,163,437.88 |
| 41                                  | 42 | S39°05'42.91"E | 19.93  | 42 | 711,189.95      | 2,163,422.41 |
| 42                                  | 43 | S12°46'59.02"E | 23.95  | 43 | 711,195.25      | 2,163,399.05 |
| 43                                  | 44 | S18°25'39.14"O | 24.45  | 44 | 711,187.52      | 2,163,375.85 |
| 44                                  | 45 | S30°27'55.96"O | 0.20   | 45 | 711,187.42      | 2,163,375.68 |
| 45                                  | 46 | S48°48'31.88"O | 30.98  | 46 | 711,164.11      | 2,163,355.28 |
| 46                                  | 47 | S67°09'25.87"O | 69.78  | 47 | 711,099.80      | 2,163,328.19 |
| 47                                  | 48 | S52°01'05.39"O | 89.35  | 48 | 711,029.37      | 2,163,273.20 |
| 48                                  | 49 | S35°39'23.06"O | 37.59  | 49 | 711,007.46      | 2,163,242.66 |
| 49                                  | 50 | S48°23'48.47"E | 10.98  | 50 | 711,015.67      | 2,163,235.37 |
| 50                                  | 51 | S87°55'19.75"E | 52.95  | 51 | 711,068.59      | 2,163,233.45 |
| 51                                  | 52 | N79°23'53.77"E | 15.71  | 52 | 711,084.03      | 2,163,236.34 |
| 52                                  | 53 | N82°24'19.28"E | 43.88  | 53 | 711,127.53      | 2,163,242.14 |
| 53                                  | 54 | N89°59'50.74"E | 22.28  | 54 | 711,149.81      | 2,163,242.14 |
| 54                                  | 55 | N84°17'07.77"E | 29.11  | 55 | 711,178.78      | 2,163,245.04 |
| 55                                  | 56 | S86°25'25.20"E | 0.16   | 56 | 711,178.94      | 2,163,245.03 |
| 56                                  | 57 | S63°26'05.82"E | 0.25   | 57 | 711,179.16      | 2,163,244.92 |
| 57                                  | 58 | S48°38'56.14"E | 10.44  | 58 | 711,187.00      | 2,163,238.02 |
| 58                                  | 59 | S14°02'10.48"E | 0.25   | 59 | 711,187.06      | 2,163,237.78 |
| 59                                  | 60 | S07°07'30.06"O | 0.16   | 60 | 711,187.04      | 2,163,237.62 |
| 60                                  | 61 | S18°26'05.82"O | 18.34  | 61 | 711,181.24      | 2,163,220.22 |
| 61                                  | 62 | S28°18'02.72"O | 0.15   | 62 | 711,181.17      | 2,163,220.09 |
| 62                                  | 63 | S53°05'47.18"O | 34.04  | 63 | 711,153.95      | 2,163,199.65 |
| 63                                  | 64 | S66°58'59.88"O | 35.98  | 64 | 711,120.83      | 2,163,185.58 |
| 64                                  | 65 | S51°37'38.84"O | 29.59  | 65 | 711,097.63      | 2,163,167.21 |
| 65                                  | 66 | S33°18'33.40"O | 40.48  | 66 | 711,075.40      | 2,163,133.38 |
| 66                                  | 67 | S08°58'15.69"E | 18.60  | 67 | 711,078.30      | 2,163,115.01 |
| 67                                  | 68 | N85°35'42.07"E | 63.02  | 68 | 711,141.13      | 2,163,119.85 |
| 68                                  | 69 | S79°59'24.11"E | 16.68  | 69 | 711,157.56      | 2,163,116.95 |
| 69                                  | 70 | S71°33'54.18"E | 18.34  | 70 | 711,174.96      | 2,163,111.15 |
| 70                                  | 71 | S51°06'53.12"E | 38.50  | 71 | 711,204.93      | 2,163,086.98 |
| 71                                  | 72 | S60°45'39.19"E | 47.35  | 72 | 711,246.25      | 2,163,063.85 |
| 72                                  | 73 | S46°33'23.50"E | 54.93  | 73 | 711,286.13      | 2,163,026.08 |
| 73                                  | 74 | S61°52'49.35"E | 59.34  | 74 | 711,338.47      | 2,162,998.11 |
| 74                                  | 75 | S34°17'12.76"O | 0.53   | 75 | 711,338.17      | 2,162,997.67 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO VII |     |                |        |     |                 |              |
|-------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                                |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| EST                                 | PV  |                |        |     | X               | Y            |
| 75                                  | 76  | S64°26'24.13"O | 0.25   | 76  | 711,337.94      | 2,162,997.56 |
| 76                                  | 77  | S86°43'44.94"O | 135.48 | 77  | 711,202.68      | 2,162,989.83 |
| 77                                  | 78  | S57°35'56.63"O | 59.42  | 78  | 711,152.51      | 2,162,957.99 |
| 78                                  | 79  | S66°48'05.07"O | 22.16  | 79  | 711,132.14      | 2,162,949.26 |
| 79                                  | 80  | S73°57'36.49"O | 87.48  | 80  | 711,048.07      | 2,162,925.09 |
| 80                                  | 81  | S54°12'42.74"O | 51.06  | 81  | 711,006.65      | 2,162,895.23 |
| 81                                  | 82  | S33°01'40.93"O | 69.13  | 82  | 710,968.97      | 2,162,837.27 |
| 82                                  | 83  | S43°08'57.53"O | 42.48  | 83  | 710,939.92      | 2,162,806.28 |
| 83                                  | 84  | S53°58'21.46"O | 0.14   | 84  | 710,939.81      | 2,162,806.20 |
| 84                                  | 85  | S74°03'16.57"O | 0.15   | 85  | 710,939.67      | 2,162,806.16 |
| 85                                  | 86  | S79°59'24.11"O | 16.68  | 86  | 710,923.24      | 2,162,803.26 |
| 86                                  | 87  | N89°39'46.69"O | 0.17   | 87  | 710,923.07      | 2,162,803.26 |
| 87                                  | 88  | N72°58'22.05"O | 0.17   | 88  | 710,922.91      | 2,162,803.31 |
| 88                                  | 89  | N49°45'49.11"O | 0.17   | 89  | 710,922.78      | 2,162,803.42 |
| 89                                  | 90  | N28°36'37.65"O | 0.25   | 90  | 710,922.66      | 2,162,803.64 |
| 90                                  | 91  | N14°00'33.46"O | 61.88  | 91  | 710,907.68      | 2,162,863.68 |
| 91                                  | 92  | N65°55'58.86"O | 30.06  | 92  | 710,880.23      | 2,162,875.94 |
| 92                                  | 93  | N24°26'38.24"O | 0.24   | 93  | 710,880.13      | 2,162,876.16 |
| 93                                  | 94  | N10°48'42.20"O | 20.52  | 94  | 710,876.28      | 2,162,896.32 |
| 94                                  | 95  | N41°24'51.67"O | 21.71  | 95  | 710,861.92      | 2,162,912.60 |
| 95                                  | 96  | N58°24'28.73"O | 14.55  | 96  | 710,849.53      | 2,162,920.22 |
| 96                                  | 97  | N87°18'06.60"O | 41.64  | 97  | 710,807.94      | 2,162,922.18 |
| 97                                  | 98  | N58°23'32.99"O | 0.15   | 98  | 710,807.81      | 2,162,922.26 |
| 98                                  | 99  | N51°46'11.53"O | 40.61  | 99  | 710,775.91      | 2,162,947.39 |
| 99                                  | 100 | N42°30'37.61"O | 0.16   | 100 | 710,775.80      | 2,162,947.51 |
| 100                                 | 101 | N19°10'44.43"O | 0.24   | 101 | 710,775.72      | 2,162,947.74 |
| 101                                 | 102 | N05°09'12.20"O | 21.49  | 102 | 710,773.79      | 2,162,969.14 |
| 102                                 | 103 | N18°26'16.49"E | 61.12  | 103 | 710,793.12      | 2,163,027.12 |
| 103                                 | 104 | N01°36'17.72"O | 34.63  | 104 | 710,792.15      | 2,163,061.74 |
| 104                                 | 105 | N20°12'45.73"O | 27.93  | 105 | 710,782.50      | 2,163,087.95 |
| 105                                 | 106 | N58°29'57.56"O | 35.14  | 106 | 710,752.54      | 2,163,106.31 |
| 106                                 | 107 | N15°04'18.33"O | 26.04  | 107 | 710,745.77      | 2,163,131.45 |
| 107                                 | 108 | N54°14'59.50"O | 29.78  | 108 | 710,721.60      | 2,163,148.85 |
| 108                                 | 109 | S59°28'41.03"O | 50.49  | 109 | 710,678.11      | 2,163,123.21 |
| 109                                 | 110 | N77°25'29.34"O | 91.13  | 110 | 710,589.17      | 2,163,143.05 |
| 110                                 | 111 | N59°26'16.87"O | 24.70  | 111 | 710,567.90      | 2,163,155.61 |
| 111                                 | 112 | N44°59'21.89"O | 38.28  | 112 | 710,540.84      | 2,163,182.68 |
| 112                                 | 113 | N60°16'40.47"O | 15.59  | 113 | 710,527.30      | 2,163,190.41 |
| 113                                 | 114 | N68°10'41.35"O | 20.82  | 114 | 710,507.97      | 2,163,198.15 |
| 114                                 | 115 | N48°35'24.64"O | 21.91  | 115 | 710,491.54      | 2,163,212.64 |
| 115                                 | 116 | N12°30'28.39"O | 8.91   | 116 | 710,489.61      | 2,163,221.34 |
| 116                                 | 117 | N02°16'28.26"E | 24.19  | 117 | 710,490.57      | 2,163,245.51 |
| 117                                 | 118 | N19°26'37.26"O | 17.42  | 118 | 710,484.77      | 2,163,261.94 |
| 118                                 | 119 | N81°37'15.83"O | 33.21  | 119 | 710,451.91      | 2,163,266.78 |
| 119                                 | 120 | N62°42'47.13"O | 33.72  | 120 | 710,421.94      | 2,163,282.24 |
| 120                                 | 121 | N84°17'06.02"O | 38.86  | 121 | 710,383.27      | 2,163,286.11 |
| 121                                 | 122 | S61°22'55.16"O | 12.11  | 122 | 710,372.64      | 2,163,280.31 |
| 122                                 | 123 | S00°00'00.00"O | 15.47  | 123 | 710,372.64      | 2,163,264.84 |
| 123                                 | 124 | S18°26'59.16"E | 12.23  | 124 | 710,376.51      | 2,163,253.24 |
| 124                                 | 125 | S16°55'33.51"E | 46.47  | 125 | 710,390.04      | 2,163,208.78 |
| 125                                 | 126 | S16°41'37.71"O | 10.10  | 126 | 710,387.14      | 2,163,199.11 |
| 126                                 | 127 | S79°59'24.11"O | 16.68  | 127 | 710,370.71      | 2,163,196.21 |
| 127                                 | 128 | N55°00'14.41"O | 11.80  | 128 | 710,361.04      | 2,163,202.98 |
| 128                                 | 129 | N77°16'32.32"O | 22.56  | 129 | 710,339.03      | 2,163,207.95 |
| 129                                 | 130 | N73°51'40.87"O | 20.36  | 130 | 710,319.47      | 2,163,213.61 |
| 130                                 | 131 | N89°59'44.76"O | 13.53  | 131 | 710,305.94      | 2,163,213.61 |
| 131                                 | 132 | N67°34'13.39"O | 32.94  | 132 | 710,275.49      | 2,163,226.18 |
| 132                                 | 133 | N51°42'53.62"O | 23.40  | 133 | 710,257.12      | 2,163,240.68 |
| 133                                 | 134 | N70°54'14.97"O | 26.59  | 134 | 710,231.99      | 2,163,249.38 |
| 134                                 | 135 | N83°59'56.82"O | 18.46  | 135 | 710,213.63      | 2,163,251.31 |
| 135                                 | 136 | S43°56'37.96"E | 37.60  | 136 | 710,239.72      | 2,163,224.24 |
| 136                                 | 137 | S11°19'16.80"E | 19.71  | 137 | 710,243.59      | 2,163,204.91 |
| 137                                 | 138 | S14°37'22.70"E | 22.97  | 138 | 710,249.39      | 2,163,182.68 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO VII |     |                |        |     |                 |              |
|-------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                                |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| EST                                 | PV  |                |        |     | X               | Y            |
| 138                                 | 139 | S12°47'37.63"O | 21.81  | 139 | 710,244.56      | 2,163,161.41 |
| 139                                 | 140 | S56°18'35.76"E | 10.46  | 140 | 710,253.26      | 2,163,155.61 |
| 140                                 | 141 | N75°57'49.52"E | 19.21  | 141 | 710,271.90      | 2,163,160.27 |
| 141                                 | 142 | S87°37'35.61"E | 19.08  | 142 | 710,290.96      | 2,163,159.48 |
| 142                                 | 143 | S72°52'29.41"E | 13.14  | 143 | 710,303.52      | 2,163,155.61 |
| 143                                 | 144 | S49°24'45.53"E | 17.83  | 144 | 710,317.06      | 2,163,144.01 |
| 144                                 | 145 | S65°06'05.23"E | 29.83  | 145 | 710,344.12      | 2,163,131.45 |
| 145                                 | 146 | S77°25'45.70"E | 8.91   | 146 | 710,352.82      | 2,163,129.51 |
| 146                                 | 147 | N53°58'15.69"E | 26.30  | 147 | 710,374.09      | 2,163,144.98 |
| 147                                 | 148 | S77°00'31.36"E | 12.90  | 148 | 710,386.66      | 2,163,142.08 |
| 148                                 | 149 | S36°52'28.70"E | 24.16  | 149 | 710,401.16      | 2,163,122.75 |
| 149                                 | 150 | S49°19'02.57"E | 45.09  | 150 | 710,435.35      | 2,163,093.36 |
| 150                                 | 151 | S53°19'40.33"E | 22.02  | 151 | 710,453.01      | 2,163,080.21 |
| 151                                 | 152 | S38°36'22.80"E | 28.45  | 152 | 710,470.76      | 2,163,057.98 |
| 152                                 | 153 | S02°27'14.08"E | 67.73  | 153 | 710,473.66      | 2,162,990.31 |
| 153                                 | 154 | S26°33'54.18"E | 32.42  | 154 | 710,488.16      | 2,162,961.31 |
| 154                                 | 155 | S43°26'46.38"E | 50.59  | 155 | 710,522.95      | 2,162,924.58 |
| 155                                 | 156 | S77°00'31.36"E | 12.90  | 156 | 710,535.52      | 2,162,921.68 |
| 156                                 | 157 | S84°26'32.72"E | 44.71  | 157 | 710,580.02      | 2,162,917.35 |
| 157                                 | 158 | S77°55'52.03"E | 13.92  | 158 | 710,593.63      | 2,162,914.44 |
| 158                                 | 159 | S68°11'54.93"E | 0.16   | 159 | 710,593.78      | 2,162,914.38 |
| 159                                 | 160 | S45°00'00.00"E | 0.24   | 160 | 710,593.95      | 2,162,914.21 |
| 160                                 | 161 | S16°55'39.05"E | 0.24   | 161 | 710,594.02      | 2,162,913.98 |
| 161                                 | 162 | S03°28'41.48"E | 15.66  | 162 | 710,594.97      | 2,162,898.35 |
| 162                                 | 163 | S25°19'53.22"O | 20.36  | 163 | 710,586.26      | 2,162,879.95 |
| 163                                 | 164 | S13°23'32.99"O | 20.72  | 164 | 710,581.46      | 2,162,859.79 |
| 164                                 | 165 | S06°11'05.01"E | 58.20  | 165 | 710,587.73      | 2,162,801.93 |
| 165                                 | 166 | S20°55'05.66"E | 17.59  | 166 | 710,594.01      | 2,162,785.50 |
| 166                                 | 167 | S05°26'25.20"E | 40.71  | 167 | 710,597.87      | 2,162,744.97 |
| 167                                 | 168 | S36°52'11.63"E | 77.20  | 168 | 710,644.19      | 2,162,683.21 |
| 168                                 | 169 | S28°04'20.95"E | 0.17   | 169 | 710,644.27      | 2,162,683.06 |
| 169                                 | 170 | S15°54'03.37"E | 14.16  | 170 | 710,648.15      | 2,162,669.44 |
| 170                                 | 171 | S03°21'59.26"O | 0.17   | 171 | 710,648.14      | 2,162,669.27 |
| 171                                 | 172 | S21°48'05.07"O | 0.16   | 172 | 710,648.08      | 2,162,669.12 |
| 172                                 | 173 | S48°10'47.39"O | 0.25   | 173 | 710,647.89      | 2,162,668.95 |
| 173                                 | 174 | S58°47'22.50"O | 11.15  | 174 | 710,638.35      | 2,162,663.17 |
| 174                                 | 175 | S59°42'49.32"O | 31.77  | 175 | 710,610.92      | 2,162,647.15 |
| 175                                 | 176 | S00°44'47.97"O | 74.44  | 176 | 710,609.95      | 2,162,572.72 |
| 176                                 | 177 | S15°03'32.73"O | 13.59  | 177 | 710,606.42      | 2,162,559.60 |
| 177                                 | 178 | N76°27'41.77"O | 105.51 | 178 | 710,503.84      | 2,162,584.30 |
| 178                                 | 179 | N41°15'17.78"O | 32.80  | 179 | 710,482.21      | 2,162,608.96 |
| 179                                 | 180 | N31°42'33.44"O | 34.66  | 180 | 710,463.99      | 2,162,638.45 |
| 180                                 | 181 | N01°56'17.72"E | 57.06  | 181 | 710,465.92      | 2,162,695.48 |
| 181                                 | 182 | N10°48'47.21"O | 82.78  | 182 | 710,450.39      | 2,162,776.79 |
| 182                                 | 183 | N17°40'53.66"O | 25.25  | 183 | 710,442.72      | 2,162,800.85 |
| 183                                 | 184 | N34°08'48.31"O | 32.71  | 184 | 710,424.36      | 2,162,827.92 |
| 184                                 | 185 | N43°22'30.09"O | 23.94  | 185 | 710,407.92      | 2,162,845.32 |
| 185                                 | 186 | N82°13'56.74"O | 21.46  | 186 | 710,386.66      | 2,162,848.22 |
| 186                                 | 187 | S04°45'19.68"E | 46.56  | 187 | 710,390.52      | 2,162,801.82 |
| 187                                 | 188 | S22°26'44.70"O | 42.27  | 188 | 710,374.38      | 2,162,762.75 |
| 188                                 | 189 | S55°18'00.36"O | 45.79  | 189 | 710,336.73      | 2,162,736.68 |
| 189                                 | 190 | S39°36'55.52"O | 28.94  | 190 | 710,318.28      | 2,162,714.39 |
| 190                                 | 191 | S68°11'18.71"O | 10.58  | 191 | 710,308.46      | 2,162,710.46 |
| 191                                 | 192 | S87°16'30.09"O | 20.40  | 192 | 710,288.08      | 2,162,709.49 |
| 192                                 | 193 | N78°41'24.24"O | 0.25   | 193 | 710,287.83      | 2,162,709.54 |
| 193                                 | 194 | N48°10'47.39"O | 0.25   | 194 | 710,287.64      | 2,162,709.71 |
| 194                                 | 195 | N33°41'24.24"O | 27.80  | 195 | 710,272.22      | 2,162,732.84 |
| 195                                 | 196 | N52°26'25.28"O | 15.62  | 196 | 710,259.84      | 2,162,742.36 |
| 196                                 | 197 | N86°25'58.90"O | 15.27  | 197 | 710,244.60      | 2,162,743.31 |
| 197                                 | 198 | S77°00'25.49"O | 25.31  | 198 | 710,219.94      | 2,162,737.62 |
| 198                                 | 199 | S04°28'11.75"E | 74.04  | 199 | 710,225.71      | 2,162,663.81 |
| 199                                 | 200 | S43°46'46.21"E | 31.87  | 200 | 710,247.76      | 2,162,640.80 |
| 200                                 | 201 | S64°46'06.56"E | 18.06  | 201 | 710,264.10      | 2,162,633.10 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO VII |     |                |        |     |                 |              |
|-------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                                |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| EST                                 | PV  |                |        |     | X               | Y            |
| 201                                 | 202 | S54°09'44.45"E | 0.22   | 202 | 710,264.28      | 2,162,632.97 |
| 202                                 | 203 | S27°45'30.75"E | 0.21   | 203 | 710,264.38      | 2,162,632.78 |
| 203                                 | 204 | S13°59'40.50"E | 20.01  | 204 | 710,269.22      | 2,162,613.36 |
| 204                                 | 205 | S03°34'34.80"O | 0.16   | 205 | 710,269.21      | 2,162,613.20 |
| 205                                 | 206 | S32°12'40.94"O | 21.82  | 206 | 710,257.58      | 2,162,594.74 |
| 206                                 | 207 | S18°44'20.46"O | 37.54  | 207 | 710,245.52      | 2,162,559.19 |
| 207                                 | 208 | S08°58'15.69"E | 18.60  | 208 | 710,248.42      | 2,162,540.82 |
| 208                                 | 209 | S44°59'60.00"E | 30.08  | 209 | 710,269.69      | 2,162,519.55 |
| 209                                 | 210 | S57°37'14.09"E | 46.93  | 210 | 710,309.32      | 2,162,494.42 |
| 210                                 | 211 | S67°31'31.36"E | 30.34  | 211 | 710,337.36      | 2,162,482.82 |
| 211                                 | 212 | S56°41'56.91"E | 29.40  | 212 | 710,361.93      | 2,162,466.68 |
| 212                                 | 213 | S25°01'00.82"E | 0.17   | 213 | 710,362.00      | 2,162,466.53 |
| 213                                 | 214 | S06°20'59.20"E | 26.40  | 214 | 710,364.92      | 2,162,440.29 |
| 214                                 | 215 | S06°19'32.76"O | 26.32  | 215 | 710,362.02      | 2,162,414.13 |
| 215                                 | 216 | S16°23'22.35"O | 0.18   | 216 | 710,361.97      | 2,162,413.96 |
| 216                                 | 217 | S27°34'07.32"O | 25.02  | 217 | 710,350.39      | 2,162,391.78 |
| 217                                 | 218 | S14°00'35.37"O | 15.78  | 218 | 710,346.57      | 2,162,376.47 |
| 218                                 | 219 | S10°08'06.19"E | 13.58  | 219 | 710,348.96      | 2,162,363.10 |
| 219                                 | 220 | S22°07'03.60"E | 28.26  | 220 | 710,359.60      | 2,162,336.92 |
| 220                                 | 221 | S07°20'35.87"E | 30.28  | 221 | 710,363.47      | 2,162,306.89 |
| 221                                 | 222 | S06°46'54.13"O | 16.77  | 222 | 710,361.49      | 2,162,290.24 |
| 222                                 | 223 | S39°48'20.06"O | 0.23   | 223 | 710,361.34      | 2,162,290.06 |
| 223                                 | 224 | S71°27'42.39"O | 15.79  | 224 | 710,346.37      | 2,162,285.04 |
| 224                                 | 225 | N35°20'49.85"O | 93.70  | 225 | 710,292.16      | 2,162,361.47 |
| 225                                 | 226 | S82°37'29.79"O | 51.73  | 226 | 710,240.86      | 2,162,354.83 |
| 226                                 | 227 | N31°01'03.44"O | 21.89  | 227 | 710,229.58      | 2,162,373.59 |
| 227                                 | 228 | N59°40'36.71"O | 59.36  | 228 | 710,178.34      | 2,162,403.56 |
| 228                                 | 229 | N38°00'10.66"O | 13.35  | 229 | 710,170.12      | 2,162,414.08 |
| 229                                 | 230 | N10°37'25.56"O | 59.94  | 230 | 710,159.07      | 2,162,472.99 |
| 230                                 | 231 | N21°35'43.12"O | 50.07  | 231 | 710,140.64      | 2,162,519.55 |
| 231                                 | 232 | N86°10'22.12"O | 14.53  | 232 | 710,126.14      | 2,162,520.52 |
| 232                                 | 233 | S24°46'25.30"O | 55.37  | 233 | 710,102.94      | 2,162,470.25 |
| 233                                 | 234 | N70°15'27.48"O | 58.76  | 234 | 710,047.63      | 2,162,490.10 |
| 234                                 | 235 | N52°07'24.58"O | 33.02  | 235 | 710,021.57      | 2,162,510.37 |
| 235                                 | 236 | N84°33'44.46"O | 20.26  | 236 | 710,001.40      | 2,162,512.29 |
| 236                                 | 237 | N74°28'33.20"O | 0.19   | 237 | 710,001.22      | 2,162,512.34 |
| 237                                 | 238 | N63°19'06.37"O | 8.80   | 238 | 709,993.36      | 2,162,516.29 |
| 238                                 | 239 | N28°20'18.75"O | 28.76  | 239 | 709,979.71      | 2,162,541.60 |
| 239                                 | 240 | N15°16'21.01"O | 20.23  | 240 | 709,974.38      | 2,162,561.12 |
| 240                                 | 241 | N29°29'09.89"O | 25.54  | 241 | 709,961.81      | 2,162,583.35 |
| 241                                 | 242 | N77°54'08.46"O | 13.84  | 242 | 709,948.28      | 2,162,586.25 |
| 242                                 | 243 | N31°26'00.82"O | 40.79  | 243 | 709,927.01      | 2,162,621.05 |
| 243                                 | 244 | N43°01'04.89"O | 19.83  | 244 | 709,913.48      | 2,162,635.55 |
| 244                                 | 245 | N73°08'10.02"O | 33.33  | 245 | 709,881.58      | 2,162,645.22 |
| 245                                 | 246 | S08°43'44.53"O | 12.72  | 246 | 709,879.65      | 2,162,632.65 |
| 246                                 | 247 | S46°58'55.11"E | 19.83  | 247 | 709,894.15      | 2,162,619.12 |
| 247                                 | 248 | S31°59'45.81"E | 45.60  | 248 | 709,918.31      | 2,162,580.45 |
| 248                                 | 249 | S12°05'51.54"E | 27.67  | 249 | 709,924.11      | 2,162,553.39 |
| 249                                 | 250 | S33°10'55.90"E | 30.04  | 250 | 709,940.55      | 2,162,528.25 |
| 250                                 | 251 | S02°22'10.23"E | 23.22  | 251 | 709,941.51      | 2,162,505.05 |
| 251                                 | 252 | S32°11'55.54"E | 154.21 | 252 | 710,023.68      | 2,162,374.56 |
| 252                                 | 253 | S00°00'00.00"  | 21.27  | 253 | 710,023.68      | 2,162,353.29 |
| 253                                 | 254 | S08°19'53.51"O | 30.57  | 254 | 710,019.25      | 2,162,323.04 |
| 254                                 | 255 | S62°03'04.79"O | 17.97  | 255 | 710,003.38      | 2,162,314.62 |
| 255                                 | 256 | N69°26'52.85"O | 16.52  | 256 | 709,987.91      | 2,162,320.42 |
| 256                                 | 257 | N45°33'47.94"O | 69.05  | 257 | 709,938.61      | 2,162,368.76 |
| 257                                 | 258 | N28°23'36.08"O | 40.65  | 258 | 709,919.28      | 2,162,404.52 |
| 258                                 | 259 | N55°07'43.07"O | 14.39  | 259 | 709,907.47      | 2,162,412.75 |
| 259                                 | 260 | N79°06'52.10"O | 25.42  | 260 | 709,882.51      | 2,162,417.55 |
| 260                                 | 261 | S86°57'11.56"O | 36.31  | 261 | 709,846.25      | 2,162,415.62 |
| 261                                 | 262 | N75°54'16.80"O | 25.87  | 262 | 709,821.16      | 2,162,421.92 |
| 262                                 | 263 | N40°35'52.11"O | 35.65  | 263 | 709,797.96      | 2,162,448.99 |
| 263                                 | 264 | N66°04'27.06"O | 9.52   | 264 | 709,789.26      | 2,162,452.85 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO VII |     |                |        |     |                 |              |
|-------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                                |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| EST                                 | PV  |                |        |     | X               | Y            |
| 264                                 | 265 | S53°07'05.68"O | 9.66   | 265 | 709,781.53      | 2,162,447.05 |
| 265                                 | 266 | S08°31'55.97"E | 19.55  | 266 | 709,784.43      | 2,162,427.72 |
| 266                                 | 267 | S32°11'25.78"E | 30.84  | 267 | 709,800.86      | 2,162,401.62 |
| 267                                 | 268 | S07°21'36.96"E | 30.21  | 268 | 709,804.73      | 2,162,371.66 |
| 268                                 | 269 | S48°06'40.29"E | 37.65  | 269 | 709,832.76      | 2,162,346.52 |
| 269                                 | 270 | S01°24'07.61"E | 39.64  | 270 | 709,833.73      | 2,162,306.89 |
| 270                                 | 271 | S18°25'23.14"E | 15.28  | 271 | 709,838.56      | 2,162,292.39 |
| 271                                 | 272 | S69°40'13.54"E | 27.83  | 272 | 709,864.66      | 2,162,282.72 |
| 272                                 | 273 | S59°59'25.01"E | 20.39  | 273 | 709,882.32      | 2,162,272.52 |
| 273                                 | 274 | S44°59'60.00"E | 0.25   | 274 | 709,882.50      | 2,162,272.34 |
| 274                                 | 275 | S26°58'43.03"E | 57.62  | 275 | 709,908.64      | 2,162,220.99 |
| 275                                 | 276 | S05°42'38.14"E | 0.20   | 276 | 709,908.66      | 2,162,220.79 |
| 276                                 | 277 | S07°54'06.99"O | 24.15  | 277 | 709,905.34      | 2,162,196.87 |
| 277                                 | 278 | N87°12'27.88"O | 124.81 | 278 | 709,780.68      | 2,162,202.95 |
| 278                                 | 279 | S61°06'28.74"O | 31.83  | 279 | 709,752.81      | 2,162,187.57 |
| 279                                 | 280 | S51°20'45.54"O | 30.90  | 280 | 709,728.68      | 2,162,168.27 |
| 280                                 | 281 | S57°22'16.88"O | 28.75  | 281 | 709,704.47      | 2,162,152.77 |
| 281                                 | 282 | S71°32'29.37"O | 30.76  | 282 | 709,675.29      | 2,162,143.03 |
| 282                                 | 283 | S84°36'48.25"O | 51.56  | 283 | 709,623.96      | 2,162,138.19 |
| 283                                 | 284 | N89°07'45.22"O | 63.83  | 284 | 709,560.14      | 2,162,139.16 |
| 284                                 | 285 | N86°22'19.10"O | 60.84  | 285 | 709,499.42      | 2,162,143.01 |
| 285                                 | 286 | S52°27'31.31"O | 15.36  | 286 | 709,487.24      | 2,162,133.65 |
| 286                                 | 287 | S09°28'23.80"E | 17.19  | 287 | 709,490.07      | 2,162,116.69 |
| 287                                 | 288 | S43°36'02.47"E | 27.80  | 288 | 709,509.24      | 2,162,096.56 |
| 288                                 | 289 | S60°37'53.69"E | 17.56  | 289 | 709,524.54      | 2,162,087.95 |
| 289                                 | 290 | S86°11'17.21"E | 87.09  | 290 | 709,611.44      | 2,162,082.16 |
| 290                                 | 291 | S70°01'00.82"E | 0.23   | 291 | 709,611.66      | 2,162,082.08 |
| 291                                 | 292 | S46°44'08.54"E | 0.23   | 292 | 709,611.83      | 2,162,081.92 |
| 292                                 | 293 | S17°39'00.45"E | 0.23   | 293 | 709,611.90      | 2,162,081.70 |
| 293                                 | 294 | S04°43'51.38"E | 11.64  | 294 | 709,612.86      | 2,162,070.10 |
| 294                                 | 295 | S07°45'54.60"O | 0.22   | 295 | 709,612.83      | 2,162,069.88 |
| 295                                 | 296 | S29°44'41.57"O | 0.16   | 296 | 709,612.75      | 2,162,069.74 |
| 296                                 | 297 | S39°05'27.85"O | 19.92  | 297 | 709,600.19      | 2,162,054.28 |
| 297                                 | 298 | S47°43'34.72"O | 0.15   | 298 | 709,600.08      | 2,162,054.18 |
| 298                                 | 299 | S56°18'02.87"O | 17.39  | 299 | 709,585.61      | 2,162,044.53 |
| 299                                 | 300 | S48°22'28.84"O | 28.95  | 300 | 709,563.97      | 2,162,025.30 |
| 300                                 | 301 | S21°47'46.34"O | 20.44  | 301 | 709,556.38      | 2,162,006.32 |
| 301                                 | 302 | S33°00'28.52"E | 22.60  | 302 | 709,568.69      | 2,161,987.37 |
| 302                                 | 303 | S77°08'35.60"E | 32.40  | 303 | 709,600.28      | 2,161,980.16 |
| 303                                 | 304 | N77°25'35.41"E | 137.67 | 304 | 709,734.65      | 2,162,010.13 |
| 304                                 | 305 | S86°12'23.43"E | 37.03  | 305 | 709,771.60      | 2,162,007.68 |
| 305                                 | 306 | S64°21'01.93"E | 26.87  | 306 | 709,795.82      | 2,161,996.05 |
| 306                                 | 307 | S49°45'53.63"E | 26.81  | 307 | 709,816.29      | 2,161,978.73 |
| 307                                 | 308 | S89°58'07.12"E | 54.82  | 308 | 709,871.11      | 2,161,978.70 |
| 308                                 | 309 | S56°58'34.08"E | 0.24   | 309 | 709,871.31      | 2,161,978.57 |
| 309                                 | 310 | S32°00'19.38"E | 0.19   | 310 | 709,871.41      | 2,161,978.41 |
| 310                                 | 311 | S23°37'52.76"E | 16.86  | 311 | 709,878.17      | 2,161,962.96 |
| 311                                 | 312 | S14°55'53.10"E | 0.16   | 312 | 709,878.21      | 2,161,962.81 |
| 312                                 | 313 | S04°45'36.51"E | 81.58  | 313 | 709,884.98      | 2,161,881.51 |
| 313                                 | 314 | S17°21'14.49"O | 0.17   | 314 | 709,884.93      | 2,161,881.35 |
| 314                                 | 315 | S24°37'00.34"O | 25.52  | 315 | 709,874.30      | 2,161,858.15 |
| 315                                 | 316 | S29°03'16.57"O | 19.87  | 316 | 709,864.65      | 2,161,840.78 |
| 316                                 | 317 | S14°45'27.28"O | 20.81  | 317 | 709,859.35      | 2,161,820.66 |
| 317                                 | 318 | S56°43'20.21"E | 37.00  | 318 | 709,890.28      | 2,161,800.36 |
| 318                                 | 319 | S39°31'16.15"E | 52.36  | 319 | 709,923.60      | 2,161,759.97 |
| 319                                 | 320 | S16°24'43.55"E | 17.20  | 320 | 709,928.46      | 2,161,743.47 |
| 320                                 | 321 | S02°29'22.39"E | 0.23   | 321 | 709,928.47      | 2,161,743.24 |
| 321                                 | 322 | S13°48'13.62"O | 56.79  | 322 | 709,914.92      | 2,161,688.09 |
| 322                                 | 323 | S28°48'38.86"O | 0.23   | 323 | 709,914.81      | 2,161,687.89 |
| 323                                 | 324 | S55°37'10.76"O | 0.23   | 324 | 709,914.62      | 2,161,687.76 |
| 324                                 | 325 | S78°40'02.51"O | 19.80  | 325 | 709,895.21      | 2,161,683.87 |
| 325                                 | 326 | N89°39'46.69"O | 0.17   | 326 | 709,895.04      | 2,161,683.87 |
| 326                                 | 327 | N72°58'22.05"O | 0.17   | 327 | 709,894.88      | 2,161,683.92 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO VII |     |                |       |     |                 |              |
|-------------------------------------|-----|----------------|-------|-----|-----------------|--------------|
| LADO                                |     | RUMBO          | DIST. | V   | COORDENADAS UTM |              |
| EST                                 | PV  |                |       |     | X               | Y            |
| 327                                 | 328 | N50°32'34.17"O | 61.27 | 328 | 709,847.57      | 2,161,722.86 |
| 328                                 | 329 | S56°26'15.56"O | 46.03 | 329 | 709,809.21      | 2,161,697.41 |
| 329                                 | 330 | S84°15'58.17"O | 9.81  | 330 | 709,799.45      | 2,161,696.43 |
| 330                                 | 331 | N89°59'36.40"O | 8.74  | 331 | 709,790.71      | 2,161,696.43 |
| 331                                 | 332 | N79°43'36.01"O | 0.16  | 332 | 709,790.55      | 2,161,696.46 |
| 332                                 | 333 | N61°55'39.05"O | 0.17  | 333 | 709,790.40      | 2,161,696.54 |
| 333                                 | 334 | N35°32'15.64"O | 0.26  | 334 | 709,790.25      | 2,161,696.75 |
| 334                                 | 335 | N14°02'10.48"O | 0.16  | 335 | 709,790.21      | 2,161,696.91 |
| 335                                 | 336 | N02°01'46.44"O | 27.11 | 336 | 709,789.25      | 2,161,724.00 |
| 336                                 | 337 | N07°24'37.66"E | 22.41 | 337 | 709,792.14      | 2,161,746.22 |
| 337                                 | 338 | N08°45'23.49"O | 25.22 | 338 | 709,788.30      | 2,161,771.15 |
| 338                                 | 339 | N46°27'21.95"O | 26.16 | 339 | 709,769.34      | 2,161,789.17 |
| 339                                 | 340 | S70°48'53.88"O | 46.86 | 340 | 709,725.08      | 2,161,773.77 |
| 340                                 | 341 | N87°23'50.78"O | 0.22  | 341 | 709,724.86      | 2,161,773.78 |
| 341                                 | 342 | N76°30'02.44"O | 24.85 | 342 | 709,700.70      | 2,161,779.58 |
| 342                                 | 343 | N62°26'49.88"O | 0.26  | 343 | 709,700.47      | 2,161,779.70 |
| 343                                 | 344 | N35°32'15.64"O | 0.17  | 344 | 709,700.37      | 2,161,779.84 |
| 344                                 | 345 | N17°21'14.49"O | 0.17  | 345 | 709,700.32      | 2,161,780.00 |
| 345                                 | 346 | N06°42'20.91"O | 16.61 | 346 | 709,698.38      | 2,161,796.50 |
| 346                                 | 347 | N03°01'09.58"E | 18.42 | 347 | 709,699.35      | 2,161,814.89 |
| 347                                 | 348 | N12°04'54.01"E | 27.52 | 348 | 709,705.11      | 2,161,841.80 |
| 348                                 | 349 | N38°39'17.64"O | 18.23 | 349 | 709,693.72      | 2,161,856.04 |
| 349                                 | 350 | N59°25'27.93"O | 24.55 | 350 | 709,672.58      | 2,161,868.53 |
| 350                                 | 351 | N72°47'30.94"O | 42.39 | 351 | 709,632.09      | 2,161,881.07 |
| 351                                 | 352 | S88°36'08.87"O | 39.36 | 352 | 709,592.74      | 2,161,880.11 |
| 352                                 | 353 | S50°49'47.21"O | 33.48 | 353 | 709,566.78      | 2,161,858.96 |
| 353                                 | 354 | S59°55'53.10"O | 0.22  | 354 | 709,566.59      | 2,161,858.85 |
| 354                                 | 355 | S87°30'37.61"O | 0.23  | 355 | 709,566.36      | 2,161,858.84 |
| 355                                 | 356 | N71°33'54.18"O | 0.16  | 356 | 709,566.21      | 2,161,858.89 |
| 356                                 | 357 | N61°55'16.88"O | 16.42 | 357 | 709,551.72      | 2,161,866.62 |
| 357                                 | 358 | N52°25'53.07"O | 0.16  | 358 | 709,551.59      | 2,161,866.72 |
| 358                                 | 359 | N33°42'11.13"O | 24.40 | 359 | 709,538.05      | 2,161,887.02 |
| 359                                 | 360 | N52°08'03.16"O | 21.86 | 360 | 709,520.79      | 2,161,900.44 |
| 360                                 | 361 | N75°59'56.93"O | 11.78 | 361 | 709,509.36      | 2,161,903.29 |
| 361                                 | 362 | S84°18'54.60"O | 28.77 | 362 | 709,480.73      | 2,161,900.44 |
| 362                                 | 363 | S27°36'42.72"O | 13.46 | 363 | 709,474.49      | 2,161,888.51 |
| 363                                 | 364 | S08°43'55.26"O | 24.64 | 364 | 709,470.75      | 2,161,864.16 |
| 364                                 | 365 | S60°15'34.85"O | 15.58 | 365 | 709,457.22      | 2,161,856.43 |
| 365                                 | 366 | N83°25'01.88"O | 25.30 | 366 | 709,432.09      | 2,161,859.33 |
| 366                                 | 367 | N27°54'07.48"O | 18.59 | 367 | 709,423.39      | 2,161,875.76 |
| 367                                 | 368 | N05°19'08.99"E | 31.61 | 368 | 709,426.32      | 2,161,907.23 |
| 368                                 | 369 | N06°02'22.16"E | 36.40 | 369 | 709,430.15      | 2,161,943.43 |
| 369                                 | 370 | N43°34'16.06"O | 84.79 | 370 | 709,371.71      | 2,162,004.86 |
| 370                                 | 371 | N69°47'06.16"O | 42.86 | 371 | 709,331.49      | 2,162,019.67 |
| 371                                 | 372 | S42°16'07.64"O | 31.46 | 372 | 709,310.33      | 2,161,996.39 |
| 372                                 | 373 | S37°52'52.43"O | 24.14 | 373 | 709,295.51      | 2,161,977.34 |
| 373                                 | 374 | N75°28'33.99"O | 33.06 | 374 | 709,263.51      | 2,161,985.63 |
| 374                                 | 375 | N27°45'30.75"O | 0.21  | 375 | 709,263.41      | 2,161,985.82 |
| 375                                 | 376 | N08°07'48.37"O | 0.14  | 376 | 709,263.39      | 2,161,985.96 |
| 376                                 | 377 | N00°00'00.00"O | 11.66 | 377 | 709,263.39      | 2,161,997.62 |
| 377                                 | 378 | N09°07'24.06"E | 54.74 | 378 | 709,272.07      | 2,162,051.67 |
| 378                                 | 379 | N16°29'35.24"O | 27.16 | 379 | 709,264.36      | 2,162,077.71 |
| 379                                 | 380 | N05°24'20.46"E | 20.38 | 380 | 709,266.28      | 2,162,098.00 |
| 380                                 | 381 | N24°46'44.43"O | 82.79 | 381 | 709,231.58      | 2,162,173.17 |
| 381                                 | 382 | N53°08'31.86"O | 9.49  | 382 | 709,223.99      | 2,162,178.86 |
| 382                                 | 383 | N63°24'19.29"O | 25.98 | 383 | 709,200.76      | 2,162,190.49 |
| 383                                 | 384 | N45°00'00.00"O | 42.51 | 384 | 709,170.70      | 2,162,220.55 |
| 384                                 | 385 | N28°58'41.50"O | 10.20 | 385 | 709,165.76      | 2,162,229.47 |
| 385                                 | 386 | N00°00'00.00"O | 19.42 | 386 | 709,165.76      | 2,162,248.89 |
| 386                                 | 387 | N12°15'53.19"E | 0.24  | 387 | 709,165.81      | 2,162,249.12 |
| 387                                 | 388 | N36°52'11.63"E | 0.15  | 388 | 709,165.90      | 2,162,249.24 |
| 388                                 | 389 | N62°17'29.94"E | 22.86 | 389 | 709,186.14      | 2,162,259.87 |
| 389                                 | 390 | N16°54'27.86"E | 22.90 | 390 | 709,192.80      | 2,162,281.78 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO VII |     |                |        |     |                 |              |
|-------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                                |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| EST                                 | PV  |                |        |     | X               | Y            |
| 390                                 | 391 | N13°25'43.52"O | 84.18  | 391 | 709,173.25      | 2,162,363.66 |
| 391                                 | 392 | S73°21'17.35"O | 39.59  | 392 | 709,135.32      | 2,162,352.32 |
| 392                                 | 393 | S52°49'14.39"O | 35.18  | 393 | 709,107.29      | 2,162,331.06 |
| 393                                 | 394 | N83°51'23.55"O | 13.83  | 394 | 709,093.54      | 2,162,332.54 |
| 394                                 | 395 | N55°24'18.45"O | 31.44  | 395 | 709,067.66      | 2,162,350.39 |
| 395                                 | 396 | N25°07'01.95"O | 34.16  | 396 | 709,053.16      | 2,162,381.32 |
| 396                                 | 397 | N56°17'36.08"O | 19.17  | 397 | 709,037.21      | 2,162,391.96 |
| 397                                 | 398 | S55°30'55.94"O | 28.21  | 398 | 709,013.96      | 2,162,375.99 |
| 398                                 | 399 | N75°57'49.52"O | 0.16   | 399 | 709,013.80      | 2,162,376.03 |
| 399                                 | 400 | N64°13'35.03"O | 29.14  | 400 | 708,987.56      | 2,162,388.70 |
| 400                                 | 401 | N39°48'20.06"O | 0.16   | 401 | 708,987.46      | 2,162,388.82 |
| 401                                 | 402 | N27°32'44.76"O | 25.08  | 402 | 708,975.86      | 2,162,411.06 |
| 402                                 | 403 | N19°59'38.06"O | 27.20  | 403 | 708,966.56      | 2,162,436.62 |
| 403                                 | 404 | N26°37'05.97"O | 19.24  | 404 | 708,957.94      | 2,162,453.82 |
| 404                                 | 405 | N64°58'20.25"O | 16.00  | 405 | 708,943.44      | 2,162,460.59 |
| 405                                 | 406 | N85°36'04.66"O | 37.81  | 406 | 708,905.74      | 2,162,463.49 |
| 406                                 | 407 | S22°37'36.76"E | 25.13  | 407 | 708,915.41      | 2,162,440.29 |
| 407                                 | 408 | S05°11'13.36"E | 28.10  | 408 | 708,917.95      | 2,162,412.31 |
| 408                                 | 409 | S30°57'49.52"O | 11.72  | 409 | 708,911.92      | 2,162,402.26 |
| 409                                 | 410 | S50°11'05.15"O | 15.18  | 410 | 708,900.26      | 2,162,392.54 |
| 410                                 | 411 | S62°29'33.61"O | 27.19  | 411 | 708,876.14      | 2,162,379.98 |
| 411                                 | 412 | S28°16'53.05"O | 14.04  | 412 | 708,869.49      | 2,162,367.62 |
| 412                                 | 413 | S10°01'56.37"O | 16.36  | 413 | 708,866.64      | 2,162,351.51 |
| 413                                 | 414 | S47°25'24.36"E | 101.67 | 414 | 708,941.51      | 2,162,282.72 |
| 414                                 | 415 | S31°58'52.90"E | 55.62  | 415 | 708,970.97      | 2,162,235.54 |
| 415                                 | 416 | S21°28'32.48"E | 63.37  | 416 | 708,994.17      | 2,162,176.57 |
| 416                                 | 417 | S18°26'41.34"E | 18.36  | 417 | 708,999.98      | 2,162,159.15 |
| 417                                 | 418 | S10°37'10.76"E | 0.16   | 418 | 709,000.01      | 2,162,158.99 |
| 418                                 | 419 | S00°00'00.00"E | 19.33  | 419 | 709,000.01      | 2,162,139.66 |
| 419                                 | 420 | S10°00'28.73"O | 0.17   | 420 | 708,999.98      | 2,162,139.49 |
| 420                                 | 421 | S34°59'31.27"O | 0.24   | 421 | 708,999.84      | 2,162,139.29 |
| 421                                 | 422 | S57°15'53.19"O | 0.17   | 422 | 708,999.70      | 2,162,139.20 |
| 422                                 | 423 | S75°57'49.52"O | 0.16   | 423 | 708,999.54      | 2,162,139.16 |
| 423                                 | 424 | S86°37'23.97"O | 16.47  | 424 | 708,983.10      | 2,162,138.19 |
| 424                                 | 425 | N82°52'29.94"O | 0.16   | 425 | 708,982.94      | 2,162,138.21 |
| 425                                 | 426 | N63°26'05.82"O | 0.16   | 426 | 708,982.80      | 2,162,138.28 |
| 426                                 | 427 | N47°03'33.67"O | 38.37  | 427 | 708,954.71      | 2,162,164.42 |
| 427                                 | 428 | N50°12'26.70"O | 22.59  | 428 | 708,937.35      | 2,162,178.88 |
| 428                                 | 429 | N59°17'36.31"O | 35.92  | 429 | 708,906.47      | 2,162,197.22 |
| 429                                 | 430 | N64°32'04.03"O | 22.37  | 430 | 708,886.27      | 2,162,206.84 |
| 430                                 | 431 | N81°43'05.54"O | 83.86  | 431 | 708,803.28      | 2,162,218.92 |
| 431                                 | 432 | S89°31'42.94"O | 60.77  | 432 | 708,742.51      | 2,162,218.42 |
| 432                                 | 433 | S08°44'51.32"O | 61.02  | 433 | 708,733.23      | 2,162,158.11 |
| 433                                 | 434 | S28°10'38.67"E | 30.52  | 434 | 708,747.64      | 2,162,131.21 |
| 434                                 | 435 | S32°00'27.39"E | 27.30  | 435 | 708,762.11      | 2,162,108.06 |
| 435                                 | 436 | S40°26'46.44"E | 43.28  | 436 | 708,790.19      | 2,162,075.12 |
| 436                                 | 437 | S26°33'54.18"E | 26.01  | 437 | 708,801.82      | 2,162,051.86 |
| 437                                 | 438 | S11°45'30.49"E | 23.80  | 438 | 708,806.67      | 2,162,028.56 |
| 438                                 | 439 | S00°05'02.00"E | 6.83   | 439 | 708,806.68      | 2,162,021.73 |
| 439                                 | 440 | S14°02'10.48"O | 0.25   | 440 | 708,806.62      | 2,162,021.49 |
| 440                                 | 441 | S37°34'06.93"O | 0.16   | 441 | 708,806.52      | 2,162,021.36 |
| 441                                 | 442 | S57°15'53.19"O | 0.17   | 442 | 708,806.38      | 2,162,021.27 |
| 442                                 | 443 | S80°08'03.09"O | 0.23   | 443 | 708,806.15      | 2,162,021.23 |
| 443                                 | 444 | N86°26'56.51"O | 15.50  | 444 | 708,790.68      | 2,162,022.19 |
| 444                                 | 445 | N75°15'23.17"O | 0.20   | 445 | 708,790.49      | 2,162,022.24 |
| 445                                 | 446 | N62°01'04.95"O | 69.99  | 446 | 708,728.68      | 2,162,055.08 |
| 446                                 | 447 | N75°48'35.60"O | 181.53 | 447 | 708,552.69      | 2,162,099.58 |
| 447                                 | 448 | N44°35'33.46"O | 44.75  | 448 | 708,521.27      | 2,162,131.45 |
| 448                                 | 449 | N83°12'55.26"O | 40.72  | 449 | 708,480.84      | 2,162,136.26 |
| 449                                 | 450 | N68°11'19.08"O | 10.68  | 450 | 708,470.92      | 2,162,140.23 |
| 450                                 | 451 | N41°28'36.44"O | 63.75  | 451 | 708,428.70      | 2,162,187.99 |
| 451                                 | 452 | N56°19'16.80"O | 13.94  | 452 | 708,417.10      | 2,162,195.72 |

| CUADRO DE CONSTRUCCIÓN POLÍGONO VII |     |                |        |     |                 |              |
|-------------------------------------|-----|----------------|--------|-----|-----------------|--------------|
| LADO                                |     | RUMBO          | DIST.  | V   | COORDENADAS UTM |              |
| EST                                 | PV  |                |        |     | X               | Y            |
| 452                                 | 453 | N63°26'05.82"O | 12.97  | 453 | 708,405.50      | 2,162,201.52 |
| 453                                 | 454 | S84°50'39.90"O | 10.68  | 454 | 708,394.86      | 2,162,200.56 |
| 454                                 | 455 | S09°27'44.36"O | 17.64  | 455 | 708,391.96      | 2,162,183.16 |
| 455                                 | 456 | S34°57'22.38"O | 11.80  | 456 | 708,385.20      | 2,162,173.49 |
| 456                                 | 457 | S47°29'54.60"O | 15.73  | 457 | 708,373.60      | 2,162,162.86 |
| 457                                 | 458 | S79°22'57.29"O | 15.74  | 458 | 708,358.13      | 2,162,159.96 |
| 458                                 | 459 | N53°58'32.99"O | 13.14  | 459 | 708,347.50      | 2,162,167.69 |
| 459                                 | 460 | N60°30'50.11"O | 25.54  | 460 | 708,325.27      | 2,162,180.26 |
| 460                                 | 461 | N48°51'59.49"O | 10.28  | 461 | 708,317.53      | 2,162,187.02 |
| 461                                 | 462 | N60°14'37.07"O | 12.37  | 462 | 708,306.79      | 2,162,193.16 |
| 462                                 | 463 | N32°45'37.44"O | 4.10   | 463 | 708,304.57      | 2,162,196.61 |
| 463                                 | 464 | N32°10'20.25"O | 14.55  | 464 | 708,296.82      | 2,162,208.93 |
| 464                                 | 465 | N04°14'29.46"O | 74.36  | 465 | 708,291.32      | 2,162,283.09 |
| 465                                 | 466 | N32°37'49.57"O | 27.60  | 466 | 708,276.44      | 2,162,306.33 |
| 466                                 | 467 | N01°20'20.22"E | 15.83  | 467 | 708,276.81      | 2,162,322.16 |
| 467                                 | 468 | N08°09'41.62"O | 77.27  | 468 | 708,265.84      | 2,162,398.65 |
| 468                                 | 469 | N03°52'51.25"O | 85.55  | 469 | 708,260.05      | 2,162,484.00 |
| 469                                 | 470 | N23°47'27.44"O | 93.60  | 470 | 708,222.29      | 2,162,569.65 |
| 470                                 | 471 | N55°12'38.47"O | 54.65  | 471 | 708,177.41      | 2,162,600.83 |
| 471                                 | 472 | N23°02'03.00"O | 127.66 | 472 | 708,127.46      | 2,162,718.31 |
| 472                                 | 473 | N30°24'13.50"O | 137.74 | 473 | 708,057.75      | 2,162,837.11 |
| 473                                 | 474 | N51°57'38.20"O | 79.47  | 474 | 707,995.16      | 2,162,886.08 |
| 474                                 | 475 | N34°55'24.20"O | 8.89   | 475 | 707,990.07      | 2,162,893.37 |
| 475                                 | 476 | N34°54'24.84"O | 4.96   | 476 | 707,987.23      | 2,162,897.44 |
| 476                                 | 477 | N64°20'36.24"E | 450.46 | 477 | 708,393.28      | 2,163,092.48 |
| 477                                 | 478 | N75°51'22.67"E | 984.10 | 478 | 709,347.55      | 2,163,332.95 |
| 478                                 | 479 | N42°36'56.99"E | 190.04 | 479 | 709,476.22      | 2,163,472.80 |
| 479                                 | 480 | N29°18'53.68"E | 209.09 | 480 | 709,578.59      | 2,163,655.11 |
| 480                                 | 481 | N58°34'13.56"E | 0.21   | 481 | 709,578.77      | 2,163,655.22 |
| 481                                 | 482 | N79°25'55.93"E | 617.62 | 482 | 710,185.91      | 2,163,768.49 |
| 482                                 | 483 | N83°15'26.25"E | 596.71 | 483 | 710,778.49      | 2,163,838.55 |
| 483                                 | 484 | S75°57'49.52"E | 0.21   | 484 | 710,778.69      | 2,163,838.50 |
| 484                                 | 485 | S65°33'07.45"E | 47.70  | 485 | 710,822.11      | 2,163,818.76 |
| 485                                 | 486 | S43°15'51.46"E | 0.23   | 486 | 710,822.27      | 2,163,818.59 |
| 486                                 | 487 | S29°50'13.27"E | 24.68  | 487 | 710,834.55      | 2,163,797.18 |
| 487                                 | 488 | S62°51'05.91"E | 19.77  | 488 | 710,852.14      | 2,163,788.16 |
| 488                                 | 489 | N83°16'21.21"E | 20.91  | 489 | 710,872.91      | 2,163,790.61 |
| 489                                 | 490 | N57°42'31.44"E | 35.90  | 490 | 710,903.26      | 2,163,809.79 |
| 490                                 | 491 | N89°44'22.44"E | 0.22   | 491 | 710,903.48      | 2,163,809.79 |
| 491                                 | 492 | S79°24'34.92"E | 10.07  | 492 | 710,913.38      | 2,163,807.94 |
| 492                                 | 493 | S64°26'24.13"E | 0.25   | 493 | 710,913.61      | 2,163,807.83 |
| 493                                 | 494 | S30°04'01.89"E | 18.74  | 494 | 710,923.00      | 2,163,791.61 |
| 494                                 | 495 | S18°26'05.82"E | 0.22   | 495 | 710,923.07      | 2,163,791.40 |
| 495                                 | 496 | S04°42'25.74"E | 105.29 | 496 | 710,931.71      | 2,163,686.47 |
| 496                                 | 497 | S56°19'42.81"E | 8.53   | 497 | 710,938.81      | 2,163,681.74 |
| 497                                 | 498 | N89°59'46.92"E | 15.77  | 498 | 710,954.58      | 2,163,681.74 |
| 498                                 | 499 | N53°57'28.00"E | 13.90  | 499 | 710,965.82      | 2,163,689.92 |
| 499                                 | 500 | N39°11'35.78"E | 98.97  | 500 | 711,028.36      | 2,163,766.62 |
| 500                                 | 501 | N13°56'21.73"E | 25.82  | 501 | 711,034.58      | 2,163,791.68 |
| 501                                 | 502 | N34°03'05.58"E | 22.86  | 502 | 711,047.38      | 2,163,810.62 |
| 502                                 | 503 | S75°25'25.97"E | 64.09  | 503 | 711,109.41      | 2,163,794.49 |
| 503                                 | 504 | S84°46'30.34"E | 17.02  | 504 | 711,126.36      | 2,163,792.94 |
| 504                                 | 505 | N88°35'17.73"E | 31.66  | 505 | 711,158.01      | 2,163,793.72 |
| 505                                 | 506 | N83°39'57.35"E | 20.67  | 506 | 711,178.55      | 2,163,796.00 |
| 506                                 | 507 | N05°03'29.70"E | 80.75  | 507 | 711,185.67      | 2,163,876.44 |
| 507                                 | 508 | N84°09'48.14"E | 18.09  | 508 | 711,203.67      | 2,163,878.28 |
| 508                                 | 509 | S67°41'57.18"E | 32.60  | 509 | 711,233.83      | 2,163,865.91 |
| 509                                 | 510 | N61°11'56.97"E | 35.31  | 510 | 711,264.77      | 2,163,882.92 |
| 510                                 | 511 | N73°43'51.25"E | 38.66  | 511 | 711,301.88      | 2,163,893.75 |
| 511                                 | 512 | S75°45'25.07"E | 20.16  | 512 | 711,321.42      | 2,163,888.79 |
| 512                                 | 1   | S57°59'20.79"E | 22.05  | 1   | 711,340.12      | 2,163,877.10 |