



CUT: 97307-2022

RESOLUCIÓN DIRECTORAL N° 0347-2022-ANA-AAA.HCH

Nuevo Chimbote, 30 de junio de 2022

VISTO:

El expediente administrativo signado con CUT N° 97307-2022, sobre aprobación del “Estudio de Delimitación de la Faja Marginal del Río Huarmey y Afluentes: Río Aija y Río Malvas”; y,

CONSIDERANDO:

Que, el artículo 74° de la Ley 29338 Ley de Recursos Hídricos, concordante con el artículo 113° de su reglamento aprobado por el Decreto Supremo N° 001-2010-AG señala que, las fajas marginales son bienes de dominio público hidráulico. Están conformadas por las áreas inmediatas superiores a las riberas de las fuentes de agua, naturales o artificiales, asimismo señala que, las dimensiones en una o ambos márgenes de un cuerpo de agua son fijadas por la Autoridad Administrativa del Agua, de acuerdo con los criterios establecidos en el reglamento, respetando los usos y costumbres establecidos;

Que, de otro lado, el artículo 114° del precitado reglamento dispone que la delimitación de faja marginal se realiza de acuerdo con los siguientes criterios: a. La magnitud e importancia de las estructuras hidráulicas de las presas, reservorios, canales de derivación, entre otros, b. El espacio necesario para la construcción, conservación y protección de las defensas ribereñas y de los cauces, c. El espacio necesario para los usos públicos que se requieran, d. La máxima crecida o avenida de los ríos, lagos, lagunas y otras fuentes naturales de agua y el artículo 115° precisa que, está prohibido el uso de las fajas marginales para fines de asentamiento humano, agrícola u otra actividad que las afecte;

Que, el mismo cuerpo normativo, en su artículo 277°, literal f), establece que constituye infracción administrativa a la ley de recursos hídricos, “Ocupar, utilizar o desviar sin autorización los cauces, riberas, **fajas marginales** o los embalses de las aguas”;

Que, la Resolución Jefatural N° 332-2016-ANA, aprueba el “Reglamento para la Delimitación y Mantenimiento de Fajas Marginales, la misma que establece y regula los criterios, términos y métodos para efectuar la delimitación, aprobación, señalización y mantenimiento de las Fajas Marginales en cauces naturales o artificiales;

Que, el artículo 13° del precitado Reglamento, establece los criterios para determinar un ancho mayor de las fajas marginales de los cauces naturales; señalando que, la AAA a

través de un informe técnico justificado puede sustentar y aprobar un ancho mayor de las fajas marginales cuando: a. El ancho mínimo resulte insuficiente o no permite el uso público al cual está destinada la faja marginal y b. Cuando se requiere un mayor ancho para la protección de asentamiento poblacionales frente a eventos hidrológicos extremos, para este caso, la delimitación de faja marginal se sustente en un estudio específico;

Que, además mediante Decreto Supremo N° 094-2018-PCM, se aprueba el Texto Único Ordenado de la Ley N° 30556 - Ley que aprueba disposiciones de carácter extraordinario para las intervenciones del Gobierno Nacional frente a desastres y que dispone la creación de la Autoridad para la Reconstrucción con Cambios, el cual en su quinto y cuarto párrafo de la **Quinta Disposición Complementaria Final**, establece lo siguiente: ***“Declárese como zonas intangibles los cauces de las riberas, las fajas marginales y las fajas de terreno que conformen el derecho de vía de la red vial del Sistema de Carreteras; y prohíbase expresamente la transferencia o cesión para fines de vivienda, comercio, agrícolas y otros, sean estas para posesiones informales, habilitaciones urbanas, programas de vivienda o cualquier otra modalidad de ocupación poblacional”***; asimismo, ***“Las zonas declaradas en riesgo no mitigable, quedan bajo administración y custodia del Gobierno Regional de la jurisdicción, el que preservara su intangibilidad, bajo responsabilidad del titular del Gobierno Regional y de aquella autoridad que se designe”***;

Que, mediante la Octava Disposición Complementaria Final del TUO de la Ley N° 30556, dispone que ***“las fajas marginales, quebradas y borde costero determinadas por la autoridad competente, son consideradas zonas de riesgo no mitigables”***;

Que, la Décimo Cuarta Disposición Complementaria Final del TUO de la Ley N° 30556 señala que, ***“los Gobiernos Regionales o Gobiernos Locales, que tengan intervenciones en el marco de la ejecución del Plan de Reconstrucción, a través de sus Procuradurías Públicas o quienes hagan sus veces, deben repeler todo tipo de invasiones u ocupaciones ilegales que se realicen en zonas no mitigables (muy alto riesgo o alto riesgo) y recuperar extrajudicialmente el predio”***;

Que, la Décimo Quinta Disposición Complementaria Final del TUO de la Ley N° 30556 señala que ***“las Municipalidades Provinciales, en el ámbito de su competencia, notificarán, en un plazo máximo de quince (15) días contados a partir de la delimitación de las fajas marginales de los ríos y quebradas, a los ocupantes de los inmuebles localizados dentro de tales fajas marginales para su retiro”***;

Que, mediante el formato de la solicitud S/N de fecha 13.06.2022, el señor Marco Salazar Celestino, representante legal del Consorcio, en su calidad de Gerente del Proyecto PQ.04 Casma – Huarmey, solicita la Aprobación del **Estudio de Delimitación de la Faja Marginal del río Huarmey y sus afluentes: río Aija y río Malvas**; señalando que la aprobación solicitada será atribuida a la Autoridad Para la Reconstrucción con Cambios, por ser de necesidad para la elaboración de los estudios del Proyecto Paquete 4 : ***“Entrega de las defensas ribereñas del río Huarmey”*** (Paquete 4) de las provincias de Huarmey y Aija – Departamento de Ancash”;

Que, con Oficio N° 00939-2022-ARCC/DE/DSI, de fecha 10.06.2022, el Director de la Dirección de Soluciones Integrales de la Autoridad Para la Reconstrucción con Cambios, solicita la aprobación del estudio de delimitación de la faja marginal del río Huarmey y sus afluentes principales, que son: el río Aija y el río Malvas, como parte de las acciones necesarias en el marco de los proyectos denominados ***“Entrega de las defensas ribereñas del río Huarmey”*** (Paquete 4), bajo cuyo marco se vienen desarrollando los siguientes Proyectos: a) ***“Creación del servicio de protección ante inundaciones en ambas márgenes del río Huarmey, desde el sector Huamba hasta la salida al mar, en los distritos de Huarmey y***

Huayán de la Provincia de Huarney – Departamento de Ancash”, b) “Creación del servicio de protección frente a inundaciones en la quebrada Malvas, distrito de Huayán – provincia de Huarney – departamento de Ancash, c) “Creación del servicio de protección frente a inundaciones en la quebrada Aija, en el distrito de Coris de la provincia de Aija y en los distritos de Huarney y Huayán de la provincia de Huarney – departamento de Ancash” y d) “Creación del servicio de protección frente a inundaciones en el centro poblado San Damián del distrito de Coris – provincia de Aija – departamento de Ancash”;

Que, mediante el Instructivo N° 003-2022-ANA-AAA.HCH, de fecha 15.06.2022, la Autoridad Administrativa del Agua Huarney Chicama, encarga a la Administración Local de Agua Casma Huarney, la instrucción del procedimiento que comprende la Inspección Ocular y evaluación técnica conforme a lo establecido en el reglamento para la delimitación y mantenimiento de fajas marginales, aprobado mediante Resolución Jefatural N° 332-2016-ANA. Posteriormente, el ente instructor a través del Memorando N° 0236-2022-ANA-AAA.HCH-ALA.CHUARMEY, remite los actuados y el acta de verificación de fecha 22.06.2022 a esta dependencia a efectos de proseguir con la evaluación del expediente;

Que, mediante Informe Técnico N° 0022-2022-ANA-AAA.HCH/YLCV, el Área Técnica de esta Autoridad, luego de la revisión y análisis del presente expediente, señala lo siguiente:

- Realizada la revisión del expediente Estudio de Delimitación de la Faja Marginal mediante la metodología de la determinación de la huella máxima, se advierte que dicho estudio se ajusta al Reglamento para la delimitación y mantenimiento de fajas marginales, aprobado con la Resolución Jefatural N° 332-2016-ANA, del río Huarney y sus afluentes principales, que son: el río Aija y el río Malvas, en el ámbito de las provincias de: Huarney y Aija, departamento de Ancash, en los tramos comprendidos entre las coordenadas UTM WGS84, siguientes:

Cuadro 1: Longitud Total a delimitar sobre el río Huarney y sus Afluentes

RIO	km (aprx)	Coordenadas UTM WGS84 Z17		Coordenadas UTM WGS84 Z18	
		Inicio		Final	
		Este	Norte	Este	Norte
Huarney	41.676	810600.212	8883675.249	187249.777	8896251.177

RIO	km (aprx)	Coordenadas UTM WGS84 Z18		Coordenadas UTM WGS84 Z18	
		Inicio		Final	
		Este	Norte	Este	Norte
Aija	20.000	187197.312	8896244.38	198383.401	8908525.36
Malvas	8.000	187234.813	8896279	194511.671	8897351.651

- Como se aprecia en el cuadro anterior, la longitud aproximada a delimitar es de 41.676 km sobre el río Huarney, medidos a partir del punto zona de entrega al Mar aguas arriba hasta su origen en la confluencia de los ríos Aija y río Malvas.
- Sobre el río Aija; se ha considerado la delimitación de una longitud aproximada de 20.000 km, medidos a partir de su punto de confluencia con el río Malvas, aguas arriba, hasta la progresiva 20+000 sobre el referido río.
- Sobre el río Malvas una longitud de 8.000 km, desde su zona de confluencia con el río Aija 8+000 aguas arriba del referido punto de confluencia.
- Luego de contrastar la información contenida en el expediente administrativo presentado por el responsable del desarrollo del estudio y los puntos definidos en ambos márgenes de los ríos, sobre las imágenes satélite del ámbito del estudio, tomando como referencia los estudios hidráulicos realizados por el recurrente con fines

de diseño de las defensas ribereñas que viene desarrollando en la actualidad, los cuales contienen información de los eventos extraordinarios sucedidos que muestran la zona de inundación afectadas durante el fenómeno “El Niño” – marzo 2017, se verifica que el planteamiento de los puntos de la faja marginal a partir de la ribera superior de los ríos en estudio se posicionan de manera concordante con lo dispuesto mediante el Memorando (M) N° 011-2019-ANA-J/DPDRH, el cual proporciona LINEAMIENTOS COMPLEMENTARIOS para la delimitación de fajas marginales, estableciendo que debe considerarse el enfoque de riesgo en base al modelamiento hidráulico del tránsito de avenida con periodo de retorno de 100 años, en cuyo análisis deben incluirse los eventos extraordinarios.

- Según los lineamientos complementarios señalados; en base a los resultados de la simulación hidráulica, se determina el nivel de peligro ocasionados por inundación, para lo cual se evalúa parámetros en base a la altura de agua (tirante) y la velocidad del flujo alcanzada en los cauces y en las planicies de inundación; donde la faja marginal viene a ser la zona de inundación con categoría de peligro alto. Los criterios establecidos para determinar los niveles de peligro por inundación se indican en el siguiente cuadro:

Nivel de Peligro	Descripción	Rango
Alto	Zona donde las condiciones hidráulicas presentan un tirante superior a 1.0 metro, una velocidad superior a 1.0 m/s y el producto de ambas superior a 0.50 m ² /s	H ≥ 1.0 m V ≥ 1.0 m/s H.V ≥ 0.5 m ² /s
Moderado	Zona donde las condiciones hidráulicas presentan un tirante entre 1.0 a 0.4 metros, una velocidad entre 1.0 a 0.4 m/s y el producto de ambas entre 0.08 a 0.50 m ² /s	0.4 < H < 1.0 m 0.4 < V < 1.0 m/s 0.08 < H.V < 0.5 m ² /s
Bajo	Zona donde las condiciones hidráulicas presentan un tirante igual o menor a 0.4 metros, una velocidad menor a 0.4 m/s y el producto de ambas menor que 0.08 m ² /s	H ≤ 0.4 m V ≤ 0.4 m/s H.V ≤ 0.08 m ² /s

- En lo referente a los ríos evaluados, éstos afectaron a la población y sus medios de vida en el año 2017, situación que referenció físicamente sobre el territorio el área de inundación y en base a él la intervención para la ejecución de acciones de prevención ante futuros eventos de la magnitud ocurrida, por lo cual en base a la información y el modelamiento hidráulico desarrollados por los estudios de evaluación integral para el periodo de retorno establecidos en los lineamientos complementarios para la delimitación de la faja marginal de los ríos con las características de afectación señaladas y que afectan gravemente por efectos del cambio climático en periodos donde suceden eventos extraordinarios, es preciso considerar criterios técnicos adecuados con el propósito de establecer un espacio mayor como límite de las fajas marginales, los cuales consideran los siguientes parámetros para dicho fin.
- Para el caso del río Huarmey y sus dos afluentes principales, luego de la evaluación hidráulica realizada por la Empresa OHLA, contratada por la Autoridad Para la Reconstrucción con cambios, con el propósito de desarrollar los estudios de protección de las riberas de los ríos mencionados, es preciso considerar los espacios mínimos necesarios para la determinación de la faja marginal, según el detalle y los criterios que se resumen en el siguiente cuadro:

CAUCE NATURAL	ANCHO PARA PROTECCION (metros)	ANCHO PARA ACCESO A LA FUENTE NATURAL (metros)	ANCHO TOTAL
RIO HUARMEY	20 metros	5 metros	25 metros
RIO AIJA	16 metros	4 metros	20 metros
RIO MALVAS	06 metros	4 metros	10 metros

- También, luego de la verificación técnica de campo realizada por la Administración Local de Casma Huarmey, respecto a los puntos que definen el paso de la línea que demarca la faja marginal; se establece que el contenido del referido estudio contiene la información suficiente y necesaria para el establecimiento y definición de la Faja Marginal del río Huarmey y sus afluentes, mediante la metodología de la determinación de la huella máxima en el tramo comprendido entre los tramos siguientes:

RIO	km (aprx)	Progresivas	
		Desde	Hasta
Huarmey	41.676	0+000	41+676
Aija	20.000	0+000	20+000
Malvas	8.000	0+000	8+000

- En virtud a lo expuesto, utilizando el sistema de coordenadas UTM WGS 84; quedan definidos los puntos de paso de la faja marginal del río Huarmey y sus afluentes: río Aija y río Malvas; conforme al cuadro señalado en la parte resolutive de la presente resolución;
- En tal sentido, concluye en que el Estudio para la **Delimitación de la Faja Marginal del río Huarmey y sus afluentes: Río Aija y Río Malvas**, mediante la metodología de la huella máxima, provincias de Huarmey y Aija, departamento de Ancash; está de acuerdo a lo establecido en la Resolución Jefatural N° 332-2016-ANA y del Memorando (M) N° 011-2019-ANA-J/DPDRH que dispone los lineamientos complementarios para la delimitación de fajas marginales que dispone que según el criterio de enfoque de riesgo se debe considerar el tránsito de avenidas con periodos de retorno de hasta 100 años, que está en concordancia con el Art. 13°, inciso b) del reglamento para la delimitación y mantenimiento de fajas marginales, aprobado con la R.J. N° 332-2016-ANA que señala que: *cuando se requiere un mayor ancho para la protección de asentamientos poblacionales frente a eventos hidrológicos extremos. Para estos casos, la delimitación de faja marginal se sustenta en un estudio específico.*
- *Adicionalmente en el marco establecido en el Decreto Legislativo N° 1354 que declara de prioridad e interés nacional y necesidad pública la implementación de un Plan Integral para la Reconstrucción con Cambios con enfoque de gestión del riesgo de desastres para la reconstrucción y construcción de infraestructura y viviendas afectadas por desastre naturales, es preciso determinar las zonas de inundación y priorizar todas las acciones para prevenir y proteger las zonas de afectación demostradas en eventos pasados.*
- Asimismo, recomienda disponer que toda Resolución de delimitación de la faja marginal de los ríos Huarmey, río Aija y río Malvas en los tramos que se encuentren considerados en el presente estudio sean dejados sin efecto y se considere el presente estudio en adelante como referencia para el establecimiento de los hitos a monumentar por los entes que estimen necesaria dicha referenciación física.

Que, con Informe Legal N° 0036-2022-ANA-AAA.HCH/DSGV, el Área Legal de Autoridad, señala que al haber concluido la etapa inductiva se ha determinado que el presente expediente ha sido tramitado de acuerdo a los lineamientos e instructivos técnicos para delimitación de fajas marginales, motivo por el cual se recomienda su aprobación;

Estando a lo opinado por el Área Técnica, el Área Legal y en uso de las facultades conferidas por la Ley de Recursos Hídricos - Ley N° 29338, el artículo 46° literal ñ) del Reglamento de Organización y Funciones de la Autoridad Nacional del Agua, aprobado mediante Decreto Supremo N° 018-2017-MINAGRI;

SE RESUELVE:

ARTÍCULO PRIMERO: APROBAR el estudio denominado **DELIMITACIÓN DE LA FAJA MARGINAL DEL RÍO HUARMEY Y AFLUENTES: RÍO AIJA Y RÍO MALVAS**, mediante la metodología de la huella máxima, provincias de Huarney y Aija, departamento de Ancash; de acuerdo a los fundamentos expuestos en la parte considerativa de la presente resolución y conforme al siguiente detalle:

1. COORDENADAS FAJA MARGINAL IZQUIERDA DEL RÍO HUARMEY ZONA 17

N°	Código	Coordenadas UTM WGS 84 Z17			Margen
		Progresiva	Este X	Norte Y	
01	HI- 001 -MI-RH	0+000	810627.5198	8883452.6043	MI
02	HI- 002 -MI-RH	0+050	810675.8150	8883465.5495	MI
03	HI- 003 -MI-RH	0+100	810723.2756	8883481.2276	MI
04	HI- 004 -MI-RH	0+150	810769.3021	8883499.9133	MI
05	HI- 005 -MI-RH	0+200	810803.8870	8883535.7644	MI
06	HI- 006 -MI-RH	0+250	810824.0765	8883579.7588	MI
07	HI- 007 -MI-RH	0+300	810830.1213	8883629.0963	MI
08	HI- 008 -MI-RH	0+350	810827.9148	8883679.0476	MI
09	HI- 009 -MI-RH	0+400	810825.7082	8883728.9988	MI
10	HI- 010 -MI-RH	0+450	810823.5017	8883778.9501	MI
11	HI- 011 -MI-RH	0+500	810821.2952	8883828.9014	MI
12	HI- 012 -MI-RH	0+550	810819.0887	8883878.8527	MI
13	HI- 013 -MI-RH	0+600	810816.8822	8883928.8040	MI
14	HI- 014 -MI-RH	0+650	810814.6756	8883978.7553	MI
15	HI- 015 -MI-RH	0+700	810812.4691	8884028.7066	MI
16	HI- 016 -MI-RH	0+750	810811.8168	8884078.6958	MI
17	HI- 017 -MI-RH	0+800	810815.3144	8884128.5618	MI
18	HI- 018 -MI-RH	0+850	810834.6595	8884174.1250	MI
19	HI- 019 -MI-RH	0+900	810864.8293	8884213.9955	MI
20	HI- 020 -MI-RH	0+950	810896.0049	8884253.0859	MI
21	HI- 021 -MI-RH	1+000	810927.3027	8884292.0749	MI
22	HI- 022 -MI-RH	1+050	810957.7609	8884331.7265	MI
23	HI- 023 -MI-RH	1+100	810987.9010	8884371.6211	MI
24	HI- 024 -MI-RH	1+150	811009.4515	8884416.7196	MI
25	HI- 025 -MI-RH	1+200	811030.5170	8884462.0530	MI
26	HI- 026 -MI-RH	1+250	811048.7461	8884508.6104	MI
27	HI- 027 -MI-RH	1+300	811064.5800	8884556.0370	MI
28	HI- 028 -MI-RH	1+350	811080.4140	8884603.4636	MI
29	HI- 029 -MI-RH	1+400	811096.2479	8884650.8903	MI
30	HI- 030 -MI-RH	1+450	811112.0818	8884698.3169	MI
31	HI- 031 -MI-RH	1+500	811127.9158	8884745.7436	MI
32	HI- 032 -MI-RH	1+550	811143.7497	8884793.1702	MI

33	HI- 033 -MI-RH	1+600	811162.4550	8884839.5352	MI
34	HI- 034 -MI-RH	1+650	811182.1610	8884885.4869	MI
35	HI- 035 -MI-RH	1+700	811201.9744	8884931.3937	MI
36	HI- 036 -MI-RH	1+750	811232.8777	8884970.4243	MI
37	HI- 037 -MI-RH	1+800	811269.8347	8885003.9357	MI
38	HI- 038 -MI-RH	1+850	811313.3950	8885026.6529	MI
39	HI- 039 -MI-RH	1+900	811362.2253	8885037.4049	MI
40	HI- 040 -MI-RH	1+950	811410.9952	8885033.6845	MI
41	HI- 041 -MI-RH	2+000	811459.1361	8885020.1767	MI
42	HI- 042 -MI-RH	2+050	811507.5214	8885007.6093	MI
43	HI- 043 -MI-RH	2+100	811556.2295	8884996.3167	MI
44	HI- 044 -MI-RH	2+150	811604.7992	8884987.6783	MI
45	HI- 045 -MI-RH	2+200	811652.0686	8885003.9757	MI
46	HI- 046 -MI-RH	2+250	811698.3301	8885022.4391	MI
47	HI- 047 -MI-RH	2+300	811736.8825	8885054.2780	MI
48	HI- 048 -MI-RH	2+350	811775.4235	8885086.1307	MI
49	HI- 049 -MI-RH	2+400	811814.0421	8885117.8843	MI
50	HI- 050 -MI-RH	2+450	811855.2809	8885146.0885	MI
51	HI- 051 -MI-RH	2+500	811897.9616	8885171.4024	MI
52	HI- 052 -MI-RH	2+550	811947.8165	8885175.2087	MI
53	HI- 053 -MI-RH	2+600	811997.6714	8885179.0150	MI
54	HI- 054 -MI-RH	2+650	812047.5263	8885182.8214	MI
55	HI- 055 -MI-RH	2+700	812097.3812	8885186.6277	MI
56	HI- 056 -MI-RH	2+750	812147.2361	8885190.4340	MI
57	HI- 057 -MI-RH	2+800	812197.0910	8885194.2403	MI
58	HI- 058 -MI-RH	2+850	812247.0280	8885196.6117	MI
59	HI- 059 -MI-RH	2+900	812297.0147	8885197.7641	MI
60	HI- 060 -MI-RH	2+950	812347.0069	8885198.4352	MI
61	HI- 061 -MI-RH	3+000	812397.0048	8885198.0087	MI
62	HI- 062 -MI-RH	3+050	812446.9741	8885196.3831	MI
63	HI- 063 -MI-RH	3+100	812496.0232	8885187.7972	MI
64	HI- 064 -MI-RH	3+150	812542.4604	8885169.4239	MI
65	HI- 065 -MI-RH	3+200	812589.7196	8885153.1762	MI
66	HI- 066 -MI-RH	3+250	812639.2300	8885146.6929	MI
67	HI- 067 -MI-RH	3+300	812689.0921	8885148.8951	MI
68	HI- 068 -MI-RH	3+350	812736.9738	8885162.6873	MI
69	HI- 069 -MI-RH	3+400	812783.7659	8885180.1734	MI
70	HI- 070 -MI-RH	3+450	812829.3489	8885200.7204	MI
71	HI- 071 -MI-RH	3+500	812868.0247	8885232.2986	MI
72	HI- 072 -MI-RH	3+550	812905.9221	8885264.9124	MI
73	HI- 073 -MI-RH	3+600	812943.7181	8885297.6456	MI
74	HI- 074 -MI-RH	3+650	812986.6762	8885322.5568	MI

75	HI- 075 -MI-RH	3+700	813035.7835	8885325.5021	MI
76	HI- 076 -MI-RH	3+750	813085.6171	8885321.6845	MI
77	HI- 077 -MI-RH	3+800	813135.3943	8885316.9700	MI
78	HI- 078 -MI-RH	3+850	813185.1716	8885312.2555	MI
79	HI- 079 -MI-RH	3+900	813234.9488	8885307.5411	MI
80	HI- 080 -MI-RH	3+950	813284.8448	8885304.6565	MI
81	HI- 081 -MI-RH	4+000	813334.5644	8885306.3933	MI
82	HI- 082 -MI-RH	4+050	813383.7018	8885314.5952	MI
83	HI- 083 -MI-RH	4+100	813433.0805	8885307.4278	MI
84	HI- 084 -MI-RH	4+150	813481.8214	8885296.2778	MI
85	HI- 085 -MI-RH	4+200	813530.5623	8885285.1277	MI
86	HI- 086 -MI-RH	4+250	813575.9991	8885265.4371	MI
87	HI- 087 -MI-RH	4+300	813617.4186	8885237.4327	MI
88	HI- 088 -MI-RH	4+350	813660.9726	8885213.1107	MI
89	HI- 089 -MI-RH	4+400	813710.6251	8885208.0157	MI
90	HI- 090 -MI-RH	4+450	813760.6126	8885208.2936	MI
91	HI- 091 -MI-RH	4+500	813810.5893	8885209.8196	MI
92	HI- 092 -MI-RH	4+550	813860.5660	8885211.3456	MI
93	HI- 093 -MI-RH	4+600	813910.5427	8885212.8716	MI
94	HI- 094 -MI-RH	4+650	813960.5194	8885214.3976	MI
95	HI- 095 -MI-RH	4+700	814010.4961	8885215.9236	MI
96	HI- 096 -MI-RH	4+750	814060.3863	8885218.9520	MI
97	HI- 097 -MI-RH	4+800	814110.0094	8885224.2759	MI
98	HI- 098 -MI-RH	4+850	814158.1759	8885237.6920	MI
99	HI- 099 -MI-RH	4+900	814204.8497	8885254.9461	MI
100	HI- 100 -MI-RH	4+950	814249.4236	8885277.5991	MI
101	HI- 101 -MI-RH	5+000	814290.0850	8885306.5743	MI
102	HI- 102 -MI-RH	5+050	814328.8585	8885338.1394	MI
103	HI- 103 -MI-RH	5+100	814366.4667	8885371.0882	MI
104	HI- 104 -MI-RH	5+150	814405.1469	8885402.5141	MI
105	HI- 105 -MI-RH	5+200	814451.0395	8885420.7941	MI
106	HI- 106 -MI-RH	5+250	814499.3868	8885411.0239	MI
107	HI- 107 -MI-RH	5+300	814546.0804	8885393.1625	MI
108	HI- 108 -MI-RH	5+350	814593.8383	8885378.7452	MI
109	HI- 109 -MI-RH	5+400	814643.1277	8885370.3456	MI
110	HI- 110 -MI-RH	5+450	814692.4851	8885362.3570	MI
111	HI- 111 -MI-RH	5+500	814741.8559	8885354.4500	MI
112	HI- 112 -MI-RH	5+550	814791.3668	8885347.4834	MI
113	HI- 113 -MI-RH	5+600	814840.9963	8885341.4211	MI
114	HI- 114 -MI-RH	5+650	814890.6897	8885335.8947	MI
115	HI- 115 -MI-RH	5+700	814940.5549	8885332.2700	MI
116	HI- 116 -MI-RH	5+750	814990.5112	8885330.2323	MI

117	HI- 117 -MI-RH	5+800	815040.4953	8885329.1311	MI
118	HI- 118 -MI-RH	5+850	815090.4856	8885329.4370	MI
119	HI- 119 -MI-RH	5+900	815140.4697	8885330.6943	MI
120	HI- 120 -MI-RH	5+950	815190.3587	8885333.9961	MI
121	HI- 121 -MI-RH	6+000	815240.1002	8885339.0741	MI
122	HI- 122 -MI-RH	6+050	815289.8140	8885344.4139	MI
123	HI- 123 -MI-RH	6+100	815339.2370	8885351.9820	MI
124	HI- 124 -MI-RH	6+150	815388.5431	8885360.2744	MI
125	HI- 125 -MI-RH	6+200	815437.5913	8885369.9719	MI
126	HI- 126 -MI-RH	6+250	815486.4799	8885380.4430	MI
127	HI- 127 -MI-RH	6+300	815535.1508	8885391.8947	MI
128	HI- 128 -MI-RH	6+350	815583.8217	8885403.3465	MI
129	HI- 129 -MI-RH	6+400	815632.5273	8885414.6486	MI
130	HI- 130 -MI-RH	6+450	815681.3226	8885425.5563	MI
131	HI- 131 -MI-RH	6+500	815730.6975	8885433.2133	MI
132	HI- 132 -MI-RH	6+550	815780.5928	8885435.8241	MI
133	HI- 133 -MI-RH	6+600	815830.4995	8885433.2159	MI
134	HI- 134 -MI-RH	6+650	815879.7576	8885425.0272	MI
135	HI- 135 -MI-RH	6+700	815928.4540	8885413.7192	MI
136	HI- 136 -MI-RH	6+750	815975.3270	8885396.4889	MI
137	HI- 137 -MI-RH	6+800	816020.6163	8885375.3421	MI
138	HI- 138 -MI-RH	6+850	816064.9993	8885352.3171	MI
139	HI- 139 -MI-RH	6+900	816109.2290	8885328.9994	MI
140	HI- 140 -MI-RH	6+950	816156.0866	8885311.5989	MI
141	HI- 141 -MI-RH	7+000	816205.5030	8885306.6547	MI
142	HI- 142 -MI-RH	7+050	816254.4685	8885311.3139	MI
143	HI- 143 -MI-RH	7+100	816301.1465	8885329.0775	MI
144	HI- 144 -MI-RH	7+150	816345.6246	8885351.6135	MI
145	HI- 145 -MI-RH	7+200	816386.6894	8885380.0709	MI
146	HI- 146 -MI-RH	7+250	816424.7173	8885412.5344	MI
147	HI- 147 -MI-RH	7+300	816459.1885	8885448.5450	MI
148	HI- 148 -MI-RH	7+350	816486.4262	8885490.4169	MI
149	HI- 149 -MI-RH	7+400	816508.5402	8885535.2193	MI
150	HI- 150 -MI-RH	7+450	816534.4987	8885577.6876	MI
151	HI- 151 -MI-RH	7+500	816568.2446	8885614.5122	MI
152	HI- 152 -MI-RH	7+550	816604.2244	8885649.2318	MI
153	HI- 153 -MI-RH	7+600	816637.0776	8885686.8875	MI
154	HI- 154 -MI-RH	7+650	816665.7877	8885727.8101	MI
155	HI- 155 -MI-RH	7+700	816702.8657	8885759.3641	MI
156	HI- 156 -MI-RH	7+750	816750.3890	8885774.0186	MI
157	HI- 157 -MI-RH	7+800	816800.0161	8885775.0860	MI
158	HI- 158 -MI-RH	7+850	816848.8680	8885764.6227	MI

159	HI- 159 -MI-RH	7+900	816896.9626	8885750.9537	MI
160	HI- 160 -MI-RH	7+950	816945.3432	8885738.3819	MI
161	HI- 161 -MI-RH	8+000	816994.4685	8885729.1956	MI
162	HI- 162 -MI-RH	8+050	817044.1340	8885723.9454	MI
163	HI- 163 -MI-RH	8+100	817093.3864	8885717.4911	MI
164	HI- 164 -MI-RH	8+150	817139.9486	8885699.4763	MI
165	HI- 165 -MI-RH	8+200	817186.0386	8885680.1034	MI
166	HI- 166 -MI-RH	8+250	817234.0221	8885666.3096	MI
167	HI- 167 -MI-RH	8+300	817283.2133	8885658.4221	MI
168	HI- 168 -MI-RH	8+350	817333.0321	8885659.0489	MI
169	HI- 169 -MI-RH	8+400	817382.4413	8885666.1608	MI
170	HI- 170 -MI-RH	8+450	817430.6213	8885678.9813	MI
171	HI- 171 -MI-RH	8+500	817476.5207	8885698.7028	MI
172	HI- 172 -MI-RH	8+550	817521.4256	8885720.6869	MI
173	HI- 173 -MI-RH	8+600	817570.1635	8885728.3443	MI
174	HI- 174 -MI-RH	8+650	817619.7663	8885722.6573	MI
175	HI- 175 -MI-RH	8+700	817663.2375	8885699.1286	MI
176	HI- 176 -MI-RH	8+750	817707.2810	8885675.4989	MI
177	HI- 177 -MI-RH	8+800	817753.2189	8885655.7735	MI
178	HI- 178 -MI-RH	8+850	817801.6960	8885644.1583	MI
179	HI- 179 -MI-RH	8+900	817851.6770	8885642.7783	MI
180	HI- 180 -MI-RH	8+950	817901.4993	8885646.9291	MI
181	HI- 181 -MI-RH	9+000	817950.7603	8885655.2462	MI
182	HI- 182 -MI-RH	9+050	817999.7804	8885665.0929	MI
183	HI- 183 -MI-RH	9+100	818045.5516	8885684.8077	MI
184	HI- 184 -MI-RH	9+150	818089.4750	8885708.1831	MI
185	HI- 185 -MI-RH	9+200	818128.3049	8885739.6829	MI
186	HI- 186 -MI-RH	9+250	818166.9171	8885771.4436	MI
187	HI- 187 -MI-RH	9+300	818205.2335	8885803.5458	MI
188	HI- 188 -MI-RH	9+350	818245.5117	8885833.1395	MI
189	HI- 189 -MI-RH	9+400	818286.9105	8885861.1773	MI
190	HI- 190 -MI-RH	9+450	818328.4294	8885889.0373	MI
191	HI- 191 -MI-RH	9+500	818370.0044	8885916.8135	MI
192	HI- 192 -MI-RH	9+550	818411.5794	8885944.5898	MI
193	HI- 193 -MI-RH	9+600	818452.9545	8885972.6593	MI
194	HI- 194 -MI-RH	9+650	818492.7124	8886002.8806	MI
195	HI- 195 -MI-RH	9+700	818527.8657	8886038.2374	MI
196	HI- 196 -MI-RH	9+750	818557.2010	8886078.5779	MI
197	HI- 197 -MI-RH	9+800	818579.8440	8886123.0576	MI
198	HI- 198 -MI-RH	9+850	818599.1320	8886169.1793	MI
199	HI- 199 -MI-RH	9+900	818617.7574	8886215.5808	MI
200	HI- 200 -MI-RH	9+950	818636.6124	8886261.8756	MI

201	HI- 201 -MI-RH	10+000	818660.8580	8886305.5698	MI
202	HI- 202 -MI-RH	10+050	818690.0569	8886346.0500	MI
203	HI- 203 -MI-RH	10+100	818722.3789	8886384.1920	MI
204	HI- 204 -MI-RH	10+150	818755.2344	8886421.8814	MI
205	HI- 205 -MI-RH	10+200	818788.1542	8886459.5149	MI
206	HI- 206 -MI-RH	10+250	818821.0741	8886497.1485	MI
207	HI- 207 -MI-RH	10+300	818853.9938	8886534.7821	MI
208	HI- 208 -MI-RH	10+350	818886.6228	8886572.6680	MI
209	HI- 209 -MI-RH	10+400	818915.1611	8886613.4862	MI
210	HI- 210 -MI-RH	10+450	818940.0897	8886656.7826	MI
211	HI- 211 -MI-RH	10+500	818971.6769	8886695.5030	MI
212	HI- 212 -MI-RH	10+550	819001.6010	8886735.5389	MI
213	HI- 213 -MI-RH	10+600	819019.0082	8886782.3711	MI
214	HI- 214 -MI-RH	10+650	819032.6548	8886830.4700	MI
215	HI- 215 -MI-RH	10+700	819044.5757	8886879.0282	MI
216	HI- 216 -MI-RH	10+750	819056.4966	8886927.5863	MI
217	HI- 217 -MI-RH	10+800	819068.4175	8886976.1444	MI
218	HI- 218 -MI-RH	10+850	819086.9805	8887022.4923	MI
219	HI- 219 -MI-RH	10+900	819115.1459	8887063.6434	MI
220	HI- 220 -MI-RH	10+950	819148.0047	8887101.2167	MI
221	HI- 221 -MI-RH	11+000	819182.3024	8887137.5989	MI
222	HI- 222 -MI-RH	11+050	819216.6001	8887173.9811	MI
223	HI- 223 -MI-RH	11+100	819250.9449	8887210.3177	MI
224	HI- 224 -MI-RH	11+150	819286.9458	8887244.8326	MI
225	HI- 225 -MI-RH	11+200	819330.1534	8887269.9942	MI
226	HI- 226 -MI-RH	11+250	819375.9286	8887290.0772	MI
227	HI- 227 -MI-RH	11+300	819421.7799	8887310.0184	MI
228	HI- 228 -MI-RH	11+350	819465.2867	8887334.5093	MI
229	HI- 229 -MI-RH	11+400	819501.3974	8887368.9380	MI
230	HI- 230 -MI-RH	11+450	819533.9619	8887406.7880	MI
231	HI- 231 -MI-RH	11+500	819565.0041	8887445.9839	MI
232	HI- 232 -MI-RH	11+550	819595.8656	8887485.3230	MI
233	HI- 233 -MI-RH	11+600	819626.7271	8887524.6622	MI
234	HI- 234 -MI-RH	11+650	819657.5886	8887564.0013	MI
235	HI- 235 -MI-RH	11+700	819688.4501	8887603.3405	MI
236	HI- 236 -MI-RH	11+750	819719.3115	8887642.6796	MI
237	HI- 237 -MI-RH	11+800	819750.1730	8887682.0188	MI
238	HI- 238 -MI-RH	11+850	819781.1487	8887721.2678	MI
239	HI- 239 -MI-RH	11+900	819812.4682	8887760.2388	MI
240	HI- 240 -MI-RH	11+950	819844.6812	8887798.4790	MI
241	HI- 241 -MI-RH	12+000	819877.3456	8887836.3345	MI
242	HI- 242 -MI-RH	12+050	819910.0100	8887874.1900	MI

243	HI- 243 -MI-RH	12+100	819942.6743	8887912.0455	MI
244	HI- 244 -MI-RH	12+150	819975.3386	8887949.9011	MI
245	HI- 245 -MI-RH	12+200	820008.0029	8887987.7566	MI
246	HI- 246 -MI-RH	12+250	820040.6672	8888025.6122	MI
247	HI- 247 -MI-RH	12+300	820073.3315	8888063.4678	MI
248	HI- 248 -MI-RH	12+350	820105.9957	8888101.3234	MI
249	HI- 249 -MI-RH	12+400	820138.4589	8888139.3472	MI
250	HI- 250 -MI-RH	12+450	820168.6699	8888179.1839	MI
251	HI- 251 -MI-RH	12+500	820195.0790	8888221.5195	MI
252	HI- 252 -MI-RH	12+550	820218.0170	8888265.8640	MI
253	HI- 253 -MI-RH	12+600	820236.0961	8888312.4601	MI
254	HI- 254 -MI-RH	12+650	820251.6381	8888359.9832	MI
255	HI- 255 -MI-RH	12+700	820266.9928	8888407.5669	MI
256	HI- 256 -MI-RH	12+750	820282.2039	8888455.1969	MI
257	HI- 257 -MI-RH	12+800	820304.3512	8888498.8363	MI
258	HI- 258 -MI-RH	12+850	820340.1473	8888533.6272	MI
259	HI- 259 -MI-RH	12+900	820379.7857	8888564.0528	MI
260	HI- 260 -MI-RH	12+950	820412.3518	8888601.4204	MI
261	HI- 261 -MI-RH	13+000	820437.9678	8888644.2448	MI
262	HI- 262 -MI-RH	13+050	820461.1335	8888688.5421	MI
263	HI- 263 -MI-RH	13+100	820486.7827	8888731.4420	MI
264	HI- 264 -MI-RH	13+150	820521.3600	8888766.7211	MI
265	HI- 265 -MI-RH	13+200	820546.0529	8888808.0086	MI
266	HI- 266 -MI-RH	13+250	820561.6760	8888855.5013	MI
267	HI- 267 -MI-RH	13+300	820585.5542	8888898.7181	MI
268	HI- 268 -MI-RH	13+350	820626.3637	8888925.5161	MI
269	HI- 269 -MI-RH	13+400	820673.0967	8888940.5106	MI
270	HI- 270 -MI-RH	13+450	820709.6251	8888974.1381	MI
271	HI- 271 -MI-RH	13+500	820738.0436	8889015.1641	MI
272	HI- 272 -MI-RH	13+550	820756.2406	8889061.7215	MI
273	HI- 273 -MI-RH	13+600	820769.9636	8889109.6834	MI
274	HI- 274 -MI-RH	13+650	820778.2977	8889158.8313	MI
275	HI- 275 -MI-RH	13+700	820777.8775	8889208.8213	MI
276	HI- 276 -MI-RH	13+750	820775.7414	8889258.7714	MI
277	HI- 277 -MI-RH	13+800	820774.2451	8889308.7305	MI
278	HI- 278 -MI-RH	13+850	820774.8622	8889358.6476	MI
279	HI- 279 -MI-RH	13+900	820779.1576	8889408.3817	MI
280	HI- 280 -MI-RH	13+950	820786.0846	8889457.8345	MI
281	HI- 281 -MI-RH	14+000	820797.7768	8889506.4220	MI
282	HI- 282 -MI-RH	14+050	820815.6149	8889552.2106	MI
283	HI- 283 -MI-RH	14+100	820856.0759	8889581.4974	MI
284	HI- 284 -MI-RH	14+150	820896.9075	8889610.3553	MI

285	HI- 285 -MI-RH	14+200	820937.7310	8889639.2228	MI
286	HI- 286 -MI-RH	14+250	820973.3664	8889674.2959	MI
287	HI- 287 -MI-RH	14+300	821009.0018	8889709.3689	MI
288	HI- 288 -MI-RH	14+350	821050.4088	8889737.1718	MI
289	HI- 289 -MI-RH	14+400	821091.6667	8889765.1503	MI
290	HI- 290 -MI-RH	14+450	821126.9664	8889800.5613	MI
291	HI- 291 -MI-RH	14+500	821162.0730	8889836.1625	MI
292	HI- 292 -MI-RH	14+550	821194.9283	8889873.8516	MI
293	HI- 293 -MI-RH	14+600	821219.8317	8889915.6230	MI
294	HI- 294 -MI-RH	14+650	821228.3403	8889964.8876	MI
295	HI- 295 -MI-RH	14+700	821238.4972	8890013.8316	MI
296	HI- 296 -MI-RH	14+750	821262.7110	8890054.1787	MI
297	HI- 297 -MI-RH	14+800	821303.4223	8890083.1819	MI
298	HI- 298 -MI-RH	14+850	821341.6509	8890114.8347	MI
299	HI- 299 -MI-RH	14+900	821374.5232	8890152.4871	MI
300	HI- 300 -MI-RH	14+950	821412.7316	8890184.6874	MI
301	HI- 301 -MI-RH	15+000	821451.0246	8890216.8297	MI
302	HI- 302 -MI-RH	15+050	821488.6408	8890249.7693	MI
303	HI- 303 -MI-RH	15+100	821530.7525	8890276.2132	MI
304	HI- 304 -MI-RH	15+150	821572.8223	8890303.0002	MI
305	HI- 305 -MI-RH	15+200	821608.3296	8890337.8045	MI
306	HI- 306 -MI-RH	15+250	821639.2128	8890377.1266	MI
307	HI- 307 -MI-RH	15+300	821678.1907	8890408.3914	MI
308	HI- 308 -MI-RH	15+350	821725.7175	8890422.0409	MI
309	HI- 309 -MI-RH	15+400	821774.1079	8890434.5579	MI
310	HI- 310 -MI-RH	15+450	821821.7190	8890449.7717	MI
311	HI- 311 -MI-RH	15+500	821861.1687	8890479.5952	MI
312	HI- 312 -MI-RH	15+550	821897.1708	8890514.2206	MI
313	HI- 313 -MI-RH	15+600	821928.3670	8890553.2948	MI
314	HI- 314 -MI-RH	15+650	821965.0195	8890586.8363	MI
315	HI- 315 -MI-RH	15+700	822006.1818	8890615.1821	MI
316	HI- 316 -MI-RH	15+750	822048.5276	8890641.7685	MI
317	HI- 317 -MI-RH	15+800	822093.4052	8890663.3125	MI
318	HI- 318 -MI-RH	15+850	822141.3671	8890677.4053	MI
319	HI- 319 -MI-RH	15+900	822190.5470	8890685.5080	MI
320	HI- 320 -MI-RH	15+950	822240.5296	8890684.2431	MI
321	HI- 321 -MI-RH	16+000	822290.4890	8890682.2294	MI
322	HI- 322 -MI-RH	16+050	822340.4657	8890682.9196	MI
323	HI- 323 -MI-RH	16+100	822386.6052	8890666.6385	MI
324	HI- 324 -MI-RH	16+150	822431.6344	8890644.9537	MI
325	HI- 325 -MI-RH	16+200	822475.9958	8890621.9795	MI
326	HI- 326 -MI-RH	16+250	822520.5198	8890599.4879	MI

327	HI- 327 -MI-RH	16+300	822568.0397	8890583.9359	MI
328	HI- 328 -MI-RH	16+350	822616.4468	8890572.3138	MI
329	HI- 329 -MI-RH	16+400	822666.2158	8890567.5130	MI
330	HI- 330 -MI-RH	16+450	822715.9736	8890562.6029	MI
331	HI- 331 -MI-RH	16+500	822764.7995	8890552.7199	MI
332	HI- 332 -MI-RH	16+550	822807.7674	8890527.7600	MI
333	HI- 333 -MI-RH	16+600	822856.1291	8890518.7280	MI
334	HI- 334 -MI-RH	16+650	822900.0255	8890498.2845	MI
335	HI- 335 -MI-RH	16+700	822942.4559	8890472.9366	MI
336	HI- 336 -MI-RH	16+750	822990.8130	8890460.2436	MI
337	HI- 337 -MI-RH	16+800	823038.8890	8890446.5153	MI
338	HI- 338 -MI-RH	16+850	823085.6667	8890429.1414	MI
339	HI- 339 -MI-RH	16+900	823130.5707	8890407.4889	MI
340	HI- 340 -MI-RH	16+950	823179.0033	8890395.2686	MI
341	HI- 341 -MI-RH	17+000	823228.3257	8890398.0182	MI
342	HI- 342 -MI-RH	17+050	823277.5151	8890406.8199	MI
343	HI- 343 -MI-RH	17+100	823325.9261	8890419.2522	MI
344	HI- 344 -MI-RH	17+150	823374.8783	8890423.8494	MI
345	HI- 345 -MI-RH	17+200	823423.6849	8890415.0493	MI
346	HI- 346 -MI-RH	17+250	823468.3840	8890393.5873	MI
347	HI- 347 -MI-RH	17+300	823505.0611	8890359.8926	MI
348	HI- 348 -MI-RH	17+350	823536.3639	8890320.9352	MI
349	HI- 349 -MI-RH	17+400	823570.9222	8890285.6867	MI
350	HI- 350 -MI-RH	17+450	823615.4012	8890263.2523	MI
351	HI- 351 -MI-RH	17+500	823662.9236	8890248.2742	MI
352	HI- 352 -MI-RH	17+550	823712.5223	8890249.9064	MI
353	HI- 353 -MI-RH	17+600	823762.3150	8890254.4513	MI
354	HI- 354 -MI-RH	17+650	823811.5264	8890247.5640	MI
355	HI- 355 -MI-RH	17+700	823857.8441	8890228.7956	MI
356	HI- 356 -MI-RH	17+750	823905.3255	8890213.1337	MI
357	HI- 357 -MI-RH	17+800	823951.7911	8890195.4848	MI
358	HI- 358 -MI-RH	17+850	823992.0576	8890166.3521	MI
359	HI- 359 -MI-RH	17+900	824024.7666	8890128.8983	MI
360	HI- 360 -MI-RH	17+950	824061.5622	8890095.9798	MI
361	HI- 361 -MI-RH	18+000	824103.4515	8890069.1024	MI
362	HI- 362 -MI-RH	18+050	824149.9641	8890050.9283	MI
363	HI- 363 -MI-RH	18+100	824197.4434	8890035.2590	MI
364	HI- 364 -MI-RH	18+150	824242.5812	8890014.7187	MI
365	HI- 365 -MI-RH	18+200	824286.7932	8889992.4424	MI
366	HI- 366 -MI-RH	18+250	824335.0795	8889980.6501	MI
367	HI- 367 -MI-RH	18+300	824384.4558	8889974.1290	MI
368	HI- 368 -MI-RH	18+350	824432.7072	8889961.0287	MI

369	HI- 369 -MI-RH	18+400	824481.2589	8889949.1225	MI
370	HI- 370 -MI-RH	18+450	824530.3550	8889941.7141	MI
371	HI- 371 -MI-RH	18+500	824580.1995	8889945.5878	MI
372	HI- 372 -MI-RH	18+550	824629.9188	8889950.8206	MI
373	HI- 373 -MI-RH	18+600	824679.0041	8889959.4293	MI
374	HI- 374 -MI-RH	18+650	824726.2160	8889975.7288	MI
375	HI- 375 -MI-RH	18+700	824771.1359	8889997.5652	MI
376	HI- 376 -MI-RH	18+750	824815.5832	8890020.3598	MI
377	HI- 377 -MI-RH	18+800	824863.2756	8890034.8120	MI
378	HI- 378 -MI-RH	18+850	824912.4254	8890030.2243	MI
379	HI- 379 -MI-RH	18+900	824961.7987	8890022.3334	MI
380	HI- 380 -MI-RH	18+950	825011.3308	8890015.5168	MI
381	HI- 381 -MI-RH	19+000	825060.9401	8890009.2820	MI
382	HI- 382 -MI-RH	19+050	825110.6702	8890004.1007	MI
383	HI- 383 -MI-RH	19+100	825160.5020	8890000.0206	MI
384	HI- 384 -MI-RH	19+150	825210.1986	8889994.8540	MI
385	HI- 385 -MI-RH	19+200	825258.8865	8889983.7516	MI
386	HI- 386 -MI-RH	19+250	825307.9947	8889976.7886	MI
387	HI- 387 -MI-RH	19+300	825357.9838	8889977.4900	MI
388	HI- 388 -MI-RH	19+350	825407.9595	8889979.0477	MI
389	HI- 389 -MI-RH	19+400	825457.2232	8889987.4322	MI
390	HI- 390 -MI-RH	19+450	825505.6793	8889999.4935	MI
391	HI- 391 -MI-RH	19+500	825553.1310	8890015.1829	MI
392	HI- 392 -MI-RH	19+550	825598.9144	8890035.0554	MI
393	HI- 393 -MI-RH	19+600	825643.5346	8890057.5954	MI
394	HI- 394 -MI-RH	19+650	825685.7975	8890084.3133	MI
395	HI- 395 -MI-RH	19+700	825720.3639	8890119.1742	MI
396	HI- 396 -MI-RH	19+750	825745.1353	8890162.4561	MI
397	HI- 397 -MI-RH	19+800	825766.2340	8890207.7724	MI
398	HI- 398 -MI-RH	19+850	825789.4219	8890251.9386	MI
399	HI- 399 -MI-RH	19+900	825821.3798	8890288.6613	MI
400	HI- 400 -MI-RH	19+950	825865.4665	8890311.4839	MI
401	HI- 401 -MI-RH	20+000	825914.8532	8890318.7422	MI
402	HI- 402 -MI-RH	20+050	825964.8038	8890316.5215	MI
403	HI- 403 -MI-RH	20+100	826014.7569	8890314.3569	MI
404	HI- 404 -MI-RH	20+150	826064.0838	8890307.7417	MI
405	HI- 405 -MI-RH	20+200	826112.8428	8890296.7323	MI
406	HI- 406 -MI-RH	20+250	826162.0501	8890287.8641	MI
407	HI- 407 -MI-RH	20+300	826211.7700	8890282.8567	MI
408	HI- 408 -MI-RH	20+350	826261.6809	8890281.1211	MI
409	HI- 409 -MI-RH	20+400	826311.6341	8890282.5531	MI
410	HI- 410 -MI-RH	20+450	826361.1285	8890288.4425	MI

411	HI- 411 -MI-RH	20+500	826408.0497	8890305.5822	MI
412	HI- 412 -MI-RH	20+550	826451.9682	8890329.4586	MI
413	HI- 413 -MI-RH	20+600	826494.2490	8890355.9723	MI
414	HI- 414 -MI-RH	20+650	826540.4730	8890375.0338	MI
415	HI- 415 -MI-RH	20+700	826584.6323	8890397.9758	MI
416	HI- 416 -MI-RH	20+750	826626.6969	8890424.9918	MI
417	HI- 417 -MI-RH	20+800	826668.8896	8890451.8067	MI
418	HI- 418 -MI-RH	20+850	826709.4381	8890480.9004	MI
419	HI- 419 -MI-RH	20+900	826746.5716	8890514.3833	MI
420	HI- 420 -MI-RH	20+950	826787.4101	8890543.0183	MI
421	HI- 421 -MI-RH	21+000	826824.6785	8890576.1032	MI
422	HI- 422 -MI-RH	21+050	826857.0839	8890614.0266	MI
423	HI- 423 -MI-RH	21+100	826886.3333	8890654.4916	MI
424	HI- 424 -MI-RH	21+150	826911.9297	8890697.4431	MI
425	HI- 425 -MI-RH	21+200	826946.0816	8890733.1928	MI
426	HI- 426 -MI-RH	21+250	826986.9439	8890761.6930	MI
427	HI- 427 -MI-RH	21+300	827029.9904	8890787.1282	MI
428	HI- 428 -MI-RH	21+350	827073.4777	8890811.7737	MI
429	HI- 429 -MI-RH	21+400	827118.2478	8890834.0366	MI
430	HI- 430 -MI-RH	21+450	827164.7485	8890852.3184	MI
431	HI- 431 -MI-RH	21+500	827212.0680	8890868.4255	MI
432	HI- 432 -MI-RH	21+550	827259.6054	8890883.9224	MI
433	HI- 433 -MI-RH	21+600	827307.6106	8890897.8158	MI
434	HI- 434 -MI-RH	21+650	827356.2936	8890909.0272	MI
435	HI- 435 -MI-RH	21+700	827405.6177	8890916.1476	MI
436	HI- 436 -MI-RH	21+750	827455.0606	8890908.7050	MI
437	HI- 437 -MI-RH	21+800	827504.7650	8890903.4482	MI
438	HI- 438 -MI-RH	21+850	827554.6363	8890902.5584	MI
439	HI- 439 -MI-RH	21+900	827604.3341	8890907.0988	MI
440	HI- 440 -MI-RH	21+950	827653.4831	8890916.2843	MI
441	HI- 441 -MI-RH	22+000	827701.1355	8890930.9890	MI
442	HI- 442 -MI-RH	22+050	827744.2851	8890955.3834	MI
443	HI- 443 -MI-RH	22+100	827783.2825	8890986.6757	MI
444	HI- 444 -MI-RH	22+150	827822.0023	8891018.3093	MI
445	HI- 445 -MI-RH	22+200	827859.3977	8891051.0719	MI
446	HI- 446 -MI-RH	22+250	827882.3904	8891095.4648	MI
447	HI- 447 -MI-RH	22+300	827904.8902	8891139.9423	MI
448	HI- 448 -MI-RH	22+350	827934.9965	8891179.8196	MI
449	HI- 449 -MI-RH	22+400	827968.0723	8891217.3035	MI
450	HI- 450 -MI-RH	22+450	828001.2944	8891254.6334	MI
451	HI- 451 -MI-RH	22+500	828035.7113	8891290.5728	MI
452	HI- 452 -MI-RH	22+550	828077.3660	8891317.6091	MI

453	HI- 453 -MI-RH	22+600	828122.1855	8891339.7636	MI
454	HI- 454 -MI-RH	22+650	828167.0415	8891361.8468	MI
455	HI- 455 -MI-RH	22+700	828212.6146	8891382.3330	MI
456	HI- 456 -MI-RH	22+750	828259.8063	8891398.6873	MI
457	HI- 457 -MI-RH	22+800	828307.7181	8891412.9731	MI
458	HI- 458 -MI-RH	22+850	828355.1501	8891428.7667	MI
459	HI- 459 -MI-RH	22+900	828402.9311	8891443.3785	MI
460	HI- 460 -MI-RH	22+950	828451.4508	8891455.3918	MI
461	HI- 461 -MI-RH	23+000	828500.3711	8891465.7239	MI
462	HI- 462 -MI-RH	23+050	828549.5291	8891474.6872	MI
463	HI- 463 -MI-RH	23+100	828599.1273	8891481.0135	MI
464	HI- 464 -MI-RH	23+150	828648.8380	8891486.3446	MI
465	HI- 465 -MI-RH	23+200	828698.3554	8891493.1968	MI
466	HI- 466 -MI-RH	23+250	828748.2049	8891495.9757	MI
467	HI- 467 -MI-RH	23+300	828797.8946	8891491.4177	MI
468	HI- 468 -MI-RH	23+350	828847.6265	8891486.4348	MI
469	HI- 469 -MI-RH	23+400	828897.4995	8891482.8725	MI

2. COORDENADAS FAJA MARGINAL IZQUIERDA DEL RÍO HUARMEY ZONA 18

N°	Código	Coordenadas UTM WGS 84 Z18			Margen
		Progresiva	Este X	Norte Y	
470	HI- 466 -MI-RH	23+450	171119.3082	8891481.4165	MI
471	HI- 467 -MI-RH	23+500	171169.3056	8891481.0843	MI
472	HI- 468 -MI-RH	23+550	171219.2993	8891481.8685	MI
473	HI- 469 -MI-RH	23+600	171269.2954	8891482.3524	MI
474	HI- 470 -MI-RH	23+650	171319.2877	8891481.8473	MI
475	HI- 471 -MI-RH	23+700	171369.2431	8891479.9415	MI
476	HI- 472 -MI-RH	23+750	171418.4748	8891473.0365	MI
477	HI- 473 -MI-RH	23+800	171465.3252	8891455.7164	MI
478	HI- 474 -MI-RH	23+850	171507.7515	8891430.3694	MI
479	HI- 475 -MI-RH	23+900	171546.1031	8891398.3337	MI
480	HI- 476 -MI-RH	23+950	171588.4218	8891372.2825	MI
481	HI- 477 -MI-RH	24+000	171634.4329	8891352.7516	MI
482	HI- 478 -MI-RH	24+050	171681.7408	8891336.9700	MI
483	HI- 479 -MI-RH	24+100	171730.4210	8891325.5627	MI
484	HI- 480 -MI-RH	24+150	171779.1634	8891314.4219	MI
485	HI- 481 -MI-RH	24+200	171827.9650	8891303.5437	MI
486	HI- 482 -MI-RH	24+250	171876.6039	8891291.9808	MI
487	HI- 483 -MI-RH	24+300	171925.2606	8891280.6107	MI
488	HI- 484 -MI-RH	24+350	171974.6619	8891272.9011	MI
489	HI- 485 -MI-RH	24+400	172024.5675	8891269.9080	MI

490	HI- 486 -MI-RH	24+450	172074.2025	8891264.0108	MI
491	HI- 487 -MI-RH	24+500	172122.5157	8891252.2193	MI
492	HI- 488 -MI-RH	24+550	172167.2063	8891230.3344	MI
493	HI- 489 -MI-RH	24+600	172213.2524	8891212.6003	MI
494	HI- 490 -MI-RH	24+650	172262.5209	8891204.2933	MI
495	HI- 491 -MI-RH	24+700	172312.2711	8891204.9152	MI
496	HI- 492 -MI-RH	24+750	172360.2357	8891218.1581	MI
497	HI- 493 -MI-RH	24+800	172407.9002	8891233.2519	MI
498	HI- 494 -MI-RH	24+850	172455.8970	8891247.2411	MI
499	HI- 495 -MI-RH	24+900	172504.0730	8891260.6185	MI
500	HI- 496 -MI-RH	24+950	172552.3003	8891273.8094	MI
501	HI- 497 -MI-RH	25+000	172600.6663	8891286.4788	MI
502	HI- 498 -MI-RH	25+050	172649.8407	8891295.0360	MI
503	HI- 499 -MI-RH	25+100	172699.4650	8891290.4833	MI
504	HI- 500 -MI-RH	25+150	172744.6189	8891270.6137	MI
505	HI- 501 -MI-RH	25+200	172787.3943	8891244.7274	MI
506	HI- 502 -MI-RH	25+250	172832.1870	8891222.8968	MI
507	HI- 503 -MI-RH	25+300	172881.7697	8891220.9611	MI
508	HI- 504 -MI-RH	25+350	172930.4233	8891231.7012	MI
509	HI- 505 -MI-RH	25+400	172977.1702	8891249.4374	MI
510	HI- 506 -MI-RH	25+450	173021.2672	8891272.9778	MI
511	HI- 507 -MI-RH	25+500	173065.8268	8891295.5129	MI
512	HI- 508 -MI-RH	25+550	173112.4822	8891313.4883	MI
513	HI- 509 -MI-RH	25+600	173160.0475	8891328.7046	MI
514	HI- 510 -MI-RH	25+650	173208.4902	8891341.0699	MI
515	HI- 511 -MI-RH	25+700	173254.8966	8891359.2681	MI
516	HI- 512 -MI-RH	25+750	173300.1739	8891380.3778	MI
517	HI- 513 -MI-RH	25+800	173342.6504	8891406.7371	MI
518	HI- 514 -MI-RH	25+850	173387.2168	8891428.7788	MI
519	HI- 515 -MI-RH	25+900	173434.1624	8891445.9533	MI
520	HI- 516 -MI-RH	25+950	173481.5530	8891461.8675	MI
521	HI- 517 -MI-RH	26+000	173530.0171	8891474.1569	MI
522	HI- 518 -MI-RH	26+050	173578.9073	8891484.5504	MI
523	HI- 519 -MI-RH	26+100	173628.1737	8891493.0296	MI
524	HI- 520 -MI-RH	26+150	173677.5837	8891500.6728	MI
525	HI- 521 -MI-RH	26+200	173727.0965	8891507.6126	MI
526	HI- 522 -MI-RH	26+250	173776.8440	8891510.4173	MI
527	HI- 523 -MI-RH	26+300	173826.7625	8891511.0946	MI
528	HI- 524 -MI-RH	26+350	173876.6130	8891514.9117	MI
529	HI- 525 -MI-RH	26+400	173926.0715	8891511.6942	MI
530	HI- 526 -MI-RH	26+450	173975.6054	8891506.9541	MI
531	HI- 527 -MI-RH	26+500	174025.6030	8891506.8947	MI

532	HI- 528 -MI-RH	26+550	174074.1939	8891495.7870	MI
533	HI- 529 -MI-RH	26+600	174121.9014	8891480.8653	MI
534	HI- 530 -MI-RH	26+650	174167.6189	8891460.7425	MI
535	HI- 531 -MI-RH	26+700	174209.4371	8891433.3956	MI
536	HI- 532 -MI-RH	26+750	174252.5192	8891408.0905	MI
537	HI- 533 -MI-RH	26+800	174295.8723	8891383.1888	MI
538	HI- 534 -MI-RH	26+850	174339.1112	8891358.0953	MI
539	HI- 535 -MI-RH	26+900	174384.1237	8891336.3327	MI
540	HI- 536 -MI-RH	26+950	174430.6431	8891318.8817	MI
541	HI- 537 -MI-RH	27+000	174479.4119	8891307.8669	MI
542	HI- 538 -MI-RH	27+050	174528.6898	8891308.2402	MI
543	HI- 539 -MI-RH	27+100	174578.5213	8891310.5522	MI
544	HI- 540 -MI-RH	27+150	174628.3187	8891307.5198	MI
545	HI- 541 -MI-RH	27+200	174677.4847	8891298.7242	MI
546	HI- 542 -MI-RH	27+250	174726.2073	8891289.7846	MI
547	HI- 543 -MI-RH	27+300	174775.2229	8891299.6423	MI
548	HI- 544 -MI-RH	27+350	174821.7479	8891315.8590	MI
549	HI- 545 -MI-RH	27+400	174864.4205	8891341.9117	MI
550	HI- 546 -MI-RH	27+450	174911.3114	8891358.9737	MI
551	HI- 547 -MI-RH	27+500	174959.0312	8891373.8904	MI
552	HI- 548 -MI-RH	27+550	175006.6152	8891389.2316	MI
553	HI- 549 -MI-RH	27+600	175054.5960	8891403.2315	MI
554	HI- 550 -MI-RH	27+650	175103.0592	8891415.4961	MI
555	HI- 551 -MI-RH	27+700	175151.9602	8891425.8868	MI
556	HI- 552 -MI-RH	27+750	175201.1868	8891434.5484	MI
557	HI- 553 -MI-RH	27+800	175246.4084	8891454.4273	MI
558	HI- 554 -MI-RH	27+850	175285.9772	8891484.7045	MI
559	HI- 555 -MI-RH	27+900	175316.4517	8891524.3220	MI
560	HI- 556 -MI-RH	27+950	175349.3998	8891561.8926	MI
561	HI- 557 -MI-RH	28+000	175385.6343	8891595.5594	MI
562	HI- 558 -MI-RH	28+050	175433.1062	8891606.1048	MI
563	HI- 559 -MI-RH	28+100	175482.2238	8891597.4286	MI
564	HI- 560 -MI-RH	28+150	175532.1617	8891596.9234	MI
565	HI- 561 -MI-RH	28+200	175581.3984	8891604.4649	MI
566	HI- 562 -MI-RH	28+250	175628.6154	8891620.8911	MI
567	HI- 563 -MI-RH	28+300	175676.9012	8891633.5911	MI
568	HI- 564 -MI-RH	28+350	175725.8981	8891632.2863	MI
569	HI- 565 -MI-RH	28+400	175774.1814	8891619.3115	MI
570	HI- 566 -MI-RH	28+450	175822.8389	8891607.8791	MI
571	HI- 567 -MI-RH	28+500	175871.9044	8891598.2776	MI
572	HI- 568 -MI-RH	28+550	175920.9699	8891588.6761	MI
573	HI- 569 -MI-RH	28+600	175970.0353	8891579.0746	MI

574	HI- 570 -MI-RH	28+650	176019.6675	8891573.2361	MI
575	HI- 571 -MI-RH	28+700	176069.3841	8891567.9584	MI
576	HI- 572 -MI-RH	28+750	176119.0868	8891562.5536	MI
577	HI- 573 -MI-RH	28+800	176168.7709	8891556.9788	MI
578	HI- 574 -MI-RH	28+850	176218.4550	8891551.4040	MI
579	HI- 575 -MI-RH	28+900	176267.1838	8891540.2969	MI
580	HI- 576 -MI-RH	28+950	176315.8607	8891528.8892	MI
581	HI- 577 -MI-RH	29+000	176364.5376	8891517.4816	MI
582	HI- 578 -MI-RH	29+050	176413.0375	8891505.3486	MI
583	HI- 579 -MI-RH	29+100	176461.4980	8891493.0547	MI
584	HI- 580 -MI-RH	29+150	176509.9585	8891480.7608	MI
585	HI- 581 -MI-RH	29+200	176559.3838	8891473.2966	MI
586	HI- 582 -MI-RH	29+250	176608.8483	8891466.0293	MI
587	HI- 583 -MI-RH	29+300	176658.4134	8891461.1857	MI
588	HI- 584 -MI-RH	29+350	176708.3101	8891464.3266	MI
589	HI- 585 -MI-RH	29+400	176758.2068	8891467.4674	MI
590	HI- 586 -MI-RH	29+450	176806.0490	8891480.8431	MI
591	HI- 587 -MI-RH	29+500	176853.2927	8891497.2005	MI
592	HI- 588 -MI-RH	29+550	176900.2636	8891514.3045	MI
593	HI- 589 -MI-RH	29+600	176946.9228	8891532.2610	MI
594	HI- 590 -MI-RH	29+650	176993.5821	8891550.2175	MI
595	HI- 591 -MI-RH	29+700	177043.0626	8891554.8514	MI
596	HI- 592 -MI-RH	29+750	177092.9953	8891557.3499	MI
597	HI- 593 -MI-RH	29+800	177142.9279	8891559.8485	MI
598	HI- 594 -MI-RH	29+850	177192.4777	8891556.9470	MI
599	HI- 595 -MI-RH	29+900	177241.5588	8891547.4311	MI
600	HI- 596 -MI-RH	29+950	177290.6398	8891537.9152	MI
601	HI- 597 -MI-RH	30+000	177339.7208	8891528.3994	MI
602	HI- 598 -MI-RH	30+050	177388.6479	8891518.1760	MI
603	HI- 599 -MI-RH	30+100	177437.2503	8891506.4590	MI
604	HI- 600 -MI-RH	30+150	177486.5740	8891501.4869	MI
605	HI- 601 -MI-RH	30+200	177536.5550	8891502.6614	MI
606	HI- 602 -MI-RH	30+250	177586.5093	8891503.5850	MI
607	HI- 603 -MI-RH	30+300	177635.1289	8891491.9401	MI
608	HI- 604 -MI-RH	30+350	177683.7485	8891480.2952	MI
609	HI- 605 -MI-RH	30+400	177732.0450	8891467.4129	MI
610	HI- 606 -MI-RH	30+450	177780.1545	8891453.8136	MI
611	HI- 607 -MI-RH	30+500	177828.2639	8891440.2144	MI
612	HI- 608 -MI-RH	30+550	177877.4893	8891431.8435	MI
613	HI- 609 -MI-RH	30+600	177926.9582	8891424.6129	MI
614	HI- 610 -MI-RH	30+650	177976.8630	8891423.5145	MI
615	HI- 611 -MI-RH	30+700	178026.8571	8891423.6729	MI

616	HI- 612 -MI-RH	30+750	178076.8343	8891423.4692	MI
617	HI- 613 -MI-RH	30+800	178126.5967	8891418.6594	MI
618	HI- 614 -MI-RH	30+850	178176.3590	8891413.8497	MI
619	HI- 615 -MI-RH	30+900	178225.5780	8891405.2687	MI
620	HI- 616 -MI-RH	30+950	178275.2693	8891405.1313	MI
621	HI- 617 -MI-RH	31+000	178325.1675	8891408.2263	MI
622	HI- 618 -MI-RH	31+050	178375.0657	8891411.3213	MI
623	HI- 619 -MI-RH	31+100	178424.9850	8891413.9455	MI
624	HI- 620 -MI-RH	31+150	178474.9598	8891415.3306	MI
625	HI- 621 -MI-RH	31+200	178524.9346	8891416.7157	MI
626	HI- 622 -MI-RH	31+250	178574.9141	8891417.7850	MI
627	HI- 623 -MI-RH	31+300	178624.9078	8891417.9125	MI
628	HI- 624 -MI-RH	31+350	178674.8949	8891417.9944	MI
629	HI- 625 -MI-RH	31+400	178722.8085	8891403.7231	MI
630	HI- 626 -MI-RH	31+450	178770.8035	8891389.7875	MI
631	HI- 627 -MI-RH	31+500	178819.9307	8891380.5197	MI
632	HI- 628 -MI-RH	31+550	178869.0578	8891371.2519	MI
633	HI- 629 -MI-RH	31+600	178918.1849	8891361.9842	MI
634	HI- 630 -MI-RH	31+650	178967.6157	8891354.6634	MI
635	HI- 631 -MI-RH	31+700	179017.2313	8891348.5276	MI
636	HI- 632 -MI-RH	31+750	179066.9233	8891345.1512	MI
637	HI- 633 -MI-RH	31+800	179116.8024	8891348.5315	MI
638	HI- 634 -MI-RH	31+850	179166.6815	8891351.9118	MI
639	HI- 635 -MI-RH	31+900	179216.5351	8891354.4075	MI
640	HI- 636 -MI-RH	31+950	179266.1385	8891348.1757	MI
641	HI- 637 -MI-RH	32+000	179315.7419	8891341.9438	MI
642	HI- 638 -MI-RH	32+050	179365.3173	8891335.4988	MI
643	HI- 639 -MI-RH	32+100	179414.8503	8891328.7308	MI
644	HI- 640 -MI-RH	32+150	179464.3114	8891321.5189	MI
645	HI- 641 -MI-RH	32+200	179513.4471	8891312.2996	MI
646	HI- 642 -MI-RH	32+250	179562.5828	8891303.0803	MI
647	HI- 643 -MI-RH	32+300	179610.9552	8891308.9212	MI
648	HI- 644 -MI-RH	32+350	179658.9069	8891323.0611	MI
649	HI- 645 -MI-RH	32+400	179706.8586	8891337.2011	MI
650	HI- 646 -MI-RH	32+450	179754.8102	8891351.3409	MI
651	HI- 647 -MI-RH	32+500	179803.6992	8891358.7244	MI
652	HI- 648 -MI-RH	32+550	179853.6891	8891358.1726	MI
653	HI- 649 -MI-RH	32+600	179903.6756	8891357.7498	MI
654	HI- 650 -MI-RH	32+650	179953.5742	8891360.8180	MI
655	HI- 651 -MI-RH	32+700	180003.4727	8891363.8861	MI
656	HI- 652 -MI-RH	32+750	180053.3712	8891366.9543	MI
657	HI- 653 -MI-RH	32+800	180103.2696	8891370.0224	MI

658	HI- 654 -MI-RH	32+850	180146.3570	8891392.9628	MI
659	HI- 655 -MI-RH	32+900	180187.6466	8891421.1485	MI
660	HI- 656 -MI-RH	32+950	180228.9362	8891449.3341	MI
661	HI- 657 -MI-RH	33+000	180270.2257	8891477.5197	MI
662	HI- 658 -MI-RH	33+050	180314.6865	8891498.1302	MI
663	HI- 659 -MI-RH	33+100	180363.7414	8891507.7669	MI
664	HI- 660 -MI-RH	33+150	180412.7962	8891517.4035	MI
665	HI- 661 -MI-RH	33+200	180461.8510	8891527.0401	MI
666	HI- 662 -MI-RH	33+250	180511.0182	8891532.6829	MI
667	HI- 663 -MI-RH	33+300	180560.5374	8891525.8209	MI
668	HI- 664 -MI-RH	33+350	180610.0565	8891518.9589	MI
669	HI- 665 -MI-RH	33+400	180659.5755	8891512.0970	MI
670	HI- 666 -MI-RH	33+450	180709.0945	8891505.2350	MI
671	HI- 667 -MI-RH	33+500	180758.9466	8891503.7480	MI
672	HI- 668 -MI-RH	33+550	180808.9339	8891504.4428	MI
673	HI- 669 -MI-RH	33+600	180858.9212	8891505.1375	MI
674	HI- 670 -MI-RH	33+650	180908.9084	8891505.8323	MI
675	HI- 671 -MI-RH	33+700	180958.8955	8891506.5271	MI
676	HI- 672 -MI-RH	33+750	181008.7805	8891509.7545	MI
677	HI- 673 -MI-RH	33+800	181058.6611	8891513.0879	MI
678	HI- 674 -MI-RH	33+850	181108.5418	8891516.4212	MI
679	HI- 675 -MI-RH	33+900	181158.4223	8891519.7546	MI
680	HI- 676 -MI-RH	33+950	181208.3029	8891523.0867	MI
681	HI- 677 -MI-RH	34+000	181258.2593	8891524.9658	MI
682	HI- 678 -MI-RH	34+050	181308.2157	8891526.8448	MI
683	HI- 679 -MI-RH	34+100	181358.1721	8891528.7239	MI
684	HI- 680 -MI-RH	34+150	181408.1284	8891530.6030	MI
685	HI- 681 -MI-RH	34+200	181457.8619	8891527.3073	MI
686	HI- 682 -MI-RH	34+250	181507.4720	8891521.1432	MI
687	HI- 683 -MI-RH	34+300	181557.0820	8891514.9791	MI
688	HI- 684 -MI-RH	34+350	181606.6920	8891508.8150	MI
689	HI- 685 -MI-RH	34+400	181653.7319	8891519.4432	MI
690	HI- 686 -MI-RH	34+450	181699.2273	8891540.1630	MI
691	HI- 687 -MI-RH	34+500	181744.7226	8891560.8828	MI
692	HI- 688 -MI-RH	34+550	181790.2179	8891581.6025	MI
693	HI- 689 -MI-RH	34+600	181837.0180	8891598.9851	MI
694	HI- 690 -MI-RH	34+650	181884.5016	8891614.6193	MI
695	HI- 691 -MI-RH	34+700	181931.9852	8891630.2534	MI
696	HI- 692 -MI-RH	34+750	181980.1763	8891639.6334	MI
697	HI- 693 -MI-RH	34+800	182029.9524	8891635.0019	MI
698	HI- 694 -MI-RH	34+850	182079.7285	8891630.3705	MI
699	HI- 695 -MI-RH	34+900	182129.5045	8891625.7390	MI

700	HI- 696 -MI-RH	34+950	182179.2805	8891621.1075	MI
701	HI- 697 -MI-RH	35+000	182229.0565	8891616.4761	MI
702	HI- 698 -MI-RH	35+050	182278.8324	8891611.8446	MI
703	HI- 699 -MI-RH	35+100	182328.6082	8891607.2132	MI
704	HI- 700 -MI-RH	35+150	182378.4310	8891603.2211	MI
705	HI- 701 -MI-RH	35+200	182428.3496	8891600.5356	MI
706	HI- 702 -MI-RH	35+250	182478.2682	8891597.8502	MI
707	HI- 703 -MI-RH	35+300	182528.1867	8891595.1647	MI
708	HI- 704 -MI-RH	35+350	182578.1052	8891592.4792	MI
709	HI- 705 -MI-RH	35+400	182628.0236	8891589.7938	MI
710	HI- 706 -MI-RH	35+450	182677.7663	8891592.4519	MI
711	HI- 707 -MI-RH	35+500	182727.4004	8891598.4113	MI
712	HI- 708 -MI-RH	35+550	182777.0344	8891604.3707	MI
713	HI- 709 -MI-RH	35+600	182821.2426	8891624.6798	MI
714	HI- 710 -MI-RH	35+650	182862.4025	8891653.0507	MI
715	HI- 711 -MI-RH	35+700	182903.5623	8891681.4215	MI
716	HI- 712 -MI-RH	35+750	182939.4090	8891716.1520	MI
717	HI- 713 -MI-RH	35+800	182974.6486	8891751.6091	MI
718	HI- 714 -MI-RH	35+850	183009.8882	8891787.0661	MI
719	HI- 715 -MI-RH	35+900	183045.1278	8891822.5231	MI
720	HI- 716 -MI-RH	35+950	183088.7272	8891843.7457	MI
721	HI- 717 -MI-RH	36+000	183136.8583	8891857.2520	MI
722	HI- 718 -MI-RH	36+050	183184.9893	8891870.7583	MI
723	HI- 719 -MI-RH	36+100	183231.7023	8891888.0745	MI
724	HI- 720 -MI-RH	36+150	183276.9512	8891909.3242	MI
725	HI- 721 -MI-RH	36+200	183322.2000	8891930.5740	MI
726	HI- 722 -MI-RH	36+250	183367.5819	8891951.5351	MI
727	HI- 723 -MI-RH	36+300	183413.1165	8891972.1650	MI
728	HI- 724 -MI-RH	36+350	183458.6512	8891992.7948	MI
729	HI- 725 -MI-RH	36+400	183503.5402	8892014.6439	MI
730	HI- 726 -MI-RH	36+450	183546.1957	8892040.7111	MI
731	HI- 727 -MI-RH	36+500	183588.8512	8892066.7783	MI
732	HI- 728 -MI-RH	36+550	183631.5066	8892092.8454	MI
733	HI- 729 -MI-RH	36+600	183674.1620	8892118.9124	MI
734	HI- 730 -MI-RH	36+650	183719.8277	8892137.3402	MI
735	HI- 731 -MI-RH	36+700	183768.7991	8892147.3789	MI
736	HI- 732 -MI-RH	36+750	183817.7704	8892157.4175	MI
737	HI- 733 -MI-RH	36+800	183866.7417	8892167.4562	MI
738	HI- 734 -MI-RH	36+850	183915.7129	8892177.4948	MI
739	HI- 735 -MI-RH	36+900	183963.9823	8892190.4205	MI
740	HI- 736 -MI-RH	36+950	184012.0967	8892203.9836	MI
741	HI- 737 -MI-RH	37+000	184060.2110	8892217.5466	MI

742	HI- 738 -MI-RH	37+050	184108.3253	8892231.1097	MI
743	HI- 739 -MI-RH	37+100	184154.1791	8892249.2780	MI
744	HI- 740 -MI-RH	37+150	184194.3401	8892279.0442	MI
745	HI- 741 -MI-RH	37+200	184231.3215	8892312.3098	MI
746	HI- 742 -MI-RH	37+250	184264.7892	8892349.4426	MI
747	HI- 743 -MI-RH	37+300	184298.2569	8892386.5754	MI
748	HI- 744 -MI-RH	37+350	184338.6070	8892414.8404	MI
749	HI- 745 -MI-RH	37+400	184382.8832	8892438.0469	MI
750	HI- 746 -MI-RH	37+450	184427.1593	8892461.2534	MI
751	HI- 747 -MI-RH	37+500	184471.4353	8892484.4599	MI
752	HI- 748 -MI-RH	37+550	184516.2756	8892506.4932	MI
753	HI- 749 -MI-RH	37+600	184562.0474	8892526.5890	MI
754	HI- 750 -MI-RH	37+650	184607.8193	8892546.6847	MI
755	HI- 751 -MI-RH	37+700	184653.0297	8892567.4607	MI
756	HI- 752 -MI-RH	37+750	184681.4460	8892608.5875	MI
757	HI- 753 -MI-RH	37+800	184709.8622	8892649.7143	MI
758	HI- 754 -MI-RH	37+850	184738.2784	8892690.8410	MI
759	HI- 755 -MI-RH	37+900	184764.4055	8892733.2010	MI
760	HI- 756 -MI-RH	37+950	184783.1219	8892779.5538	MI
761	HI- 757 -MI-RH	38+000	184801.8384	8892825.9066	MI
762	HI- 758 -MI-RH	38+050	184820.5549	8892872.2593	MI
763	HI- 759 -MI-RH	38+100	184848.7954	8892912.8360	MI
764	HI- 760 -MI-RH	38+150	184881.2489	8892950.8577	MI
765	HI- 761 -MI-RH	38+200	184913.7025	8892988.8793	MI
766	HI- 762 -MI-RH	38+250	184946.1560	8893026.9009	MI
767	HI- 763 -MI-RH	38+300	184978.6095	8893064.9225	MI
768	HI- 764 -MI-RH	38+350	185011.0631	8893102.9440	MI
769	HI- 765 -MI-RH	38+400	185043.5166	8893140.9654	MI
770	HI- 766 -MI-RH	38+450	185072.4357	8893181.4237	MI
771	HI- 767 -MI-RH	38+500	185096.4306	8893225.2769	MI
772	HI- 768 -MI-RH	38+550	185120.4255	8893269.1301	MI
773	HI- 769 -MI-RH	38+600	185144.4205	8893312.9833	MI
774	HI- 770 -MI-RH	38+650	185168.4155	8893356.8364	MI
775	HI- 771 -MI-RH	38+700	185192.4104	8893400.6894	MI
776	HI- 772 -MI-RH	38+750	185214.7222	8893445.4096	MI
777	HI- 773 -MI-RH	38+800	185236.4942	8893490.4076	MI
778	HI- 774 -MI-RH	38+850	185258.2663	8893535.4056	MI
779	HI- 775 -MI-RH	38+900	185280.0384	8893580.4036	MI
780	HI- 776 -MI-RH	38+950	185301.8106	8893625.4016	MI
781	HI- 777 -MI-RH	39+000	185333.8029	8893663.2443	MI
782	HI- 778 -MI-RH	39+050	185370.7544	8893696.7628	MI
783	HI- 779 -MI-RH	39+100	185409.8221	8893727.9486	MI

784	HI- 780 -MI-RH	39+150	185448.8898	8893759.1343	MI
785	HI- 781 -MI-RH	39+200	185487.9574	8893790.3199	MI
786	HI- 782 -MI-RH	39+250	185517.1700	8893829.1672	MI
787	HI- 783 -MI-RH	39+300	185537.7600	8893874.7180	MI
788	HI- 784 -MI-RH	39+350	185558.3501	8893920.2688	MI
789	HI- 785 -MI-RH	39+400	185578.9401	8893965.8195	MI
790	HI- 786 -MI-RH	39+450	185599.5302	8894011.3702	MI
791	HI- 787 -MI-RH	39+500	185618.0879	8894057.7345	MI
792	HI- 788 -MI-RH	39+550	185634.6159	8894104.9112	MI
793	HI- 789 -MI-RH	39+600	185651.1439	8894152.0878	MI
794	HI- 790 -MI-RH	39+650	185667.6720	8894199.2645	MI
795	HI- 791 -MI-RH	39+700	185684.2001	8894246.4411	MI
796	HI- 792 -MI-RH	39+750	185700.7282	8894293.6177	MI
797	HI- 793 -MI-RH	39+800	185722.4023	8894338.4441	MI
798	HI- 794 -MI-RH	39+850	185747.2335	8894381.8286	MI
799	HI- 795 -MI-RH	39+900	185772.0648	8894425.2131	MI
800	HI- 796 -MI-RH	39+950	185796.8961	8894468.5975	MI
801	HI- 797 -MI-RH	40+000	185832.9027	8894501.7630	MI
802	HI- 798 -MI-RH	40+050	185873.8983	8894530.3665	MI
803	HI- 799 -MI-RH	40+100	185914.8939	8894558.9699	MI
804	HI- 800 -MI-RH	40+150	185949.4335	8894594.9068	MI
805	HI- 801 -MI-RH	40+200	185983.0032	8894631.9455	MI
806	HI- 802 -MI-RH	40+250	186016.5729	8894668.9841	MI
807	HI- 803 -MI-RH	40+300	186050.1425	8894706.0227	MI
808	HI- 804 -MI-RH	40+350	186083.7122	8894743.0613	MI
809	HI- 805 -MI-RH	40+400	186110.9567	8894784.2941	MI
810	HI- 806 -MI-RH	40+450	186132.0110	8894829.6316	MI
811	HI- 807 -MI-RH	40+500	186153.0654	8894874.9691	MI
812	HI- 808 -MI-RH	40+550	186178.0983	8894917.3953	MI
813	HI- 809 -MI-RH	40+600	186214.9412	8894951.1794	MI
814	HI- 810 -MI-RH	40+650	186251.7841	8894984.9635	MI
815	HI- 811 -MI-RH	40+700	186292.2587	8895014.0549	MI
816	HI- 812 -MI-RH	40+750	186334.2040	8895041.2458	MI
817	HI- 813 -MI-RH	40+800	186376.1494	8895068.4368	MI
818	HI- 814 -MI-RH	40+850	186416.8830	8895096.7873	MI
819	HI- 815 -MI-RH	40+900	186442.2119	8895139.8825	MI
820	HI- 816 -MI-RH	40+950	186467.5408	8895182.9777	MI
821	HI- 817 -MI-RH	41+000	186492.8698	8895226.0728	MI
822	HI- 818 -MI-RH	41+050	186518.1987	8895269.1679	MI
823	HI- 819 -MI-RH	41+100	186547.8830	8895309.2940	MI
824	HI- 820 -MI-RH	41+150	186578.7408	8895348.6199	MI
825	HI- 821 -MI-RH	41+200	186609.5987	8895387.9458	MI

826	HI- 822 -MI-RH	41+250	186640.4566	8895427.2717	MI
827	HI- 823 -MI-RH	41+300	186675.0490	8895463.2938	MI
828	HI- 824 -MI-RH	41+350	186710.3173	8895498.7181	MI
829	HI- 825 -MI-RH	41+400	186745.5855	8895534.1424	MI
830	HI- 826 -MI-RH	41+450	186780.8537	8895569.5666	MI
831	HI- 827 -MI-RH	41+500	186805.7296	8895612.3876	MI
832	HI- 828 -MI-RH	41+550	186827.6502	8895657.3120	MI
833	HI- 829 -MI-RH	41+600	186849.5708	8895702.2364	MI
834	HI- 830 -MI-RH	41+650	186879.2340	8895739.4345	MI
835	HI- 831 -MI-RH	41+700	186924.1121	8895761.4496	MI
836	HI- 832 -MI-RH	41+750	186968.9902	8895783.4647	MI
837	HI- 833 -MI-RH	41+800	187013.8682	8895805.4798	MI
838	HI- 834 -MI-RH	41+850	187039.0332	8895847.6416	MI
839	HI- 835 -MI-RH	41+900	187062.0196	8895892.0300	MI
840	HI- 836 -MI-RH	41+950	187085.0060	8895936.4183	MI
841	HI- 837 -MI-RH	42+000	187115.3388	8895975.9874	MI
842	HI- 838 -MI-RH	42+050	187146.8993	8896014.7512	MI
843	HI- 839 -MI-RH	42+100	187178.4597	8896053.515	MI
844	HI- 840 -MI-RH	42+150	187202.9375	8896097.065	MI
845	HI- 841 -MI-RH	42+200	187227.1306	8896140.807	MI
846	HI- 842 -MI-RH	42+250	187251.3238	8896184.549	MI
847	HI- 843 -MI-RH	42+300	187259.1293	8896198.662	MI

3. COORDENADAS FAJA MARGINAL DERECHA DEL RÍO HUARMEY ZONA 17

N°	Código	Coordenadas UTM WGS 84 Z17			Margen
		Progresiva	Este X	Norte Y	
01	HI- 001 -MD-RH	0+000	810509.6117	8883819.3250	MD
02	HI- 002 -MD-RH	0+050	810555.7056	8883838.0212	MD
03	HI- 003 -MD-RH	0+100	810593.6780	8883870.4770	MD
04	HI- 004 -MD-RH	0+150	810626.1349	8883908.2895	MD
05	HI- 005 -MD-RH	0+200	810642.9142	8883954.3167	MD
06	HI- 006 -MD-RH	0+250	810641.1906	8884004.2661	MD
07	HI- 007 -MD-RH	0+300	810642.3545	8884054.1723	MD
08	HI- 008 -MD-RH	0+350	810644.1272	8884104.1368	MD
09	HI- 009 -MD-RH	0+400	810668.3939	8884146.5551	MD
10	HI- 010 -MD-RH	0+450	810699.8831	8884185.3413	MD
11	HI- 011 -MD-RH	0+500	810732.6762	8884223.0174	MD
12	HI- 012 -MD-RH	0+550	810764.0424	8884261.9540	MD
13	HI- 013 -MD-RH	0+600	810795.5891	8884300.7459	MD
14	HI- 014 -MD-RH	0+650	810827.1358	8884339.5377	MD
15	HI- 015 -MD-RH	0+700	810858.6825	8884378.3295	MD

16	HI- 016 -MD-RH	0+750	810888.6584	8884418.3232	MD
17	HI- 017 -MD-RH	0+800	810913.9887	8884461.3383	MD
18	HI- 018 -MD-RH	0+850	810933.9719	8884507.0981	MD
19	HI- 019 -MD-RH	0+900	810950.1923	8884554.3832	MD
20	HI- 020 -MD-RH	0+950	810966.0263	8884601.8098	MD
21	HI- 021 -MD-RH	1+000	810981.8603	8884649.2364	MD
22	HI- 022 -MD-RH	1+050	810997.6943	8884696.6630	MD
23	HI- 023 -MD-RH	1+100	811013.5282	8884744.0897	MD
24	HI- 024 -MD-RH	1+150	811029.3621	8884791.5163	MD
25	HI- 025 -MD-RH	1+200	811045.1960	8884838.9430	MD
26	HI- 026 -MD-RH	1+250	811061.4916	8884886.2122	MD
27	HI- 027 -MD-RH	1+300	811079.3721	8884932.8269	MD
28	HI- 028 -MD-RH	1+350	811102.3460	8884977.1594	MD
29	HI- 029 -MD-RH	1+400	811131.9418	8885017.4594	MD
30	HI- 030 -MD-RH	1+450	811164.1158	8885055.4986	MD
31	HI- 031 -MD-RH	1+500	811201.3019	8885088.7895	MD
32	HI- 032 -MD-RH	1+550	811242.1121	8885117.6362	MD
33	HI- 033 -MD-RH	1+600	811285.9636	8885141.2507	MD
34	HI- 034 -MD-RH	1+650	811334.2908	8885154.0754	MD
35	HI- 035 -MD-RH	1+700	811383.9942	8885149.1865	MD
36	HI- 036 -MD-RH	1+750	811431.3914	8885134.9686	MD
37	HI- 037 -MD-RH	1+800	811475.3755	8885111.2205	MD
38	HI- 038 -MD-RH	1+850	811519.1514	8885087.0613	MD
39	HI- 039 -MD-RH	1+900	811563.1783	8885063.3733	MD
40	HI- 040 -MD-RH	1+950	811611.7273	8885057.6422	MD
41	HI- 041 -MD-RH	2+000	811656.5729	8885077.5275	MD
42	HI- 042 -MD-RH	2+050	811695.8192	8885108.4954	MD
43	HI- 043 -MD-RH	2+100	811734.3403	8885140.3721	MD
44	HI- 044 -MD-RH	2+150	811772.8613	8885172.2489	MD
45	HI- 045 -MD-RH	2+200	811811.3824	8885204.1257	MD
46	HI- 046 -MD-RH	2+250	811853.8706	8885230.0617	MD
47	HI- 047 -MD-RH	2+300	811902.4397	8885239.4823	MD
48	HI- 048 -MD-RH	2+350	811952.2507	8885243.7341	MD
49	HI- 049 -MD-RH	2+400	812002.1056	8885247.5405	MD
50	HI- 050 -MD-RH	2+450	812051.9605	8885251.3468	MD
51	HI- 051 -MD-RH	2+500	812101.8154	8885255.1532	MD
52	HI- 052 -MD-RH	2+550	812151.6703	8885258.9595	MD
53	HI- 053 -MD-RH	2+600	812201.5332	8885262.6580	MD
54	HI- 054 -MD-RH	2+650	812251.4044	8885266.2451	MD
55	HI- 055 -MD-RH	2+700	812301.3791	8885266.7111	MD
56	HI- 056 -MD-RH	2+750	812351.3784	8885266.4375	MD
57	HI- 057 -MD-RH	2+800	812401.3761	8885265.9593	MD

58	HI- 058 -MD-RH	2+850	812451.3356	8885264.0990	MD
59	HI- 059 -MD-RH	2+900	812500.6395	8885257.1656	MD
60	HI- 060 -MD-RH	2+950	812547.6425	8885240.5251	MD
61	HI- 061 -MD-RH	3+000	812594.3412	8885222.9661	MD
62	HI- 062 -MD-RH	3+050	812643.3612	8885214.6107	MD
63	HI- 063 -MD-RH	3+100	812692.9184	8885219.3242	MD
64	HI- 064 -MD-RH	3+150	812740.2457	8885235.4527	MD
65	HI- 065 -MD-RH	3+200	812785.4260	8885256.1678	MD
66	HI- 066 -MD-RH	3+250	812825.5265	8885286.0334	MD
67	HI- 067 -MD-RH	3+300	812862.9763	8885319.1019	MD
68	HI- 068 -MD-RH	3+350	812895.5775	8885356.9504	MD
69	HI- 069 -MD-RH	3+400	812931.5223	8885391.4596	MD
70	HI- 070 -MD-RH	3+450	812973.4769	8885416.3435	MD
71	HI- 071 -MD-RH	3+500	813022.2792	8885425.0349	MD
72	HI- 072 -MD-RH	3+550	813072.1211	8885421.0624	MD
73	HI- 073 -MD-RH	3+600	813121.9261	8885416.6662	MD
74	HI- 074 -MD-RH	3+650	813171.7521	8885413.8660	MD
75	HI- 075 -MD-RH	3+700	813221.7046	8885416.0432	MD
76	HI- 076 -MD-RH	3+750	813271.5263	8885420.1767	MD
77	HI- 077 -MD-RH	3+800	813321.3422	8885424.4620	MD
78	HI- 078 -MD-RH	3+850	813371.2273	8885423.7752	MD
79	HI- 079 -MD-RH	3+900	813421.1365	8885420.7726	MD
80	HI- 080 -MD-RH	3+950	813470.9858	8885416.8946	MD
81	HI- 081 -MD-RH	4+000	813520.2683	8885409.0864	MD
82	HI- 082 -MD-RH	4+050	813568.9248	8885397.6654	MD
83	HI- 083 -MD-RH	4+100	813614.8054	8885378.1691	MD
84	HI- 084 -MD-RH	4+150	813656.5583	8885350.8133	MD
85	HI- 085 -MD-RH	4+200	813698.3948	8885325.7167	MD
86	HI- 086 -MD-RH	4+250	813748.3445	8885323.8153	MD
87	HI- 087 -MD-RH	4+300	813798.3358	8885324.7484	MD
88	HI- 088 -MD-RH	4+350	813848.2336	8885327.7861	MD
89	HI- 089 -MD-RH	4+400	813898.1318	8885330.9263	MD
90	HI- 090 -MD-RH	4+450	813948.0816	8885333.1422	MD
91	HI- 091 -MD-RH	4+500	813998.0728	8885334.0820	MD
92	HI- 092 -MD-RH	4+550	814048.0267	8885335.7857	MD
93	HI- 093 -MD-RH	4+600	814097.8718	8885339.7183	MD
94	HI- 094 -MD-RH	4+650	814144.3053	8885358.0005	MD
95	HI- 095 -MD-RH	4+700	814187.9631	8885382.0610	MD
96	HI- 096 -MD-RH	4+750	814229.9980	8885409.0889	MD
97	HI- 097 -MD-RH	4+800	814268.5695	8885440.8430	MD
98	HI- 098 -MD-RH	4+850	814306.1777	8885473.7918	MD
99	HI- 099 -MD-RH	4+900	814345.1585	8885504.9853	MD

100	HI- 100 -MD-RH	4+950	814389.2974	8885527.7516	MD
101	HI- 101 -MD-RH	5+000	814437.7377	8885537.7203	MD
102	HI- 102 -MD-RH	5+050	814487.2947	8885537.4228	MD
103	HI- 103 -MD-RH	5+100	814535.2147	8885523.7894	MD
104	HI- 104 -MD-RH	5+150	814581.2481	8885504.2743	MD
105	HI- 105 -MD-RH	5+200	814629.4911	8885492.3123	MD
106	HI- 106 -MD-RH	5+250	814679.0879	8885486.2510	MD
107	HI- 107 -MD-RH	5+300	814728.7499	8885480.5322	MD
108	HI- 108 -MD-RH	5+350	814777.3307	8885468.7041	MD
109	HI- 109 -MD-RH	5+400	814826.8148	8885462.6134	MD
110	HI- 110 -MD-RH	5+450	814876.6810	8885466.1660	MD
111	HI- 111 -MD-RH	5+500	814926.4884	8885470.4240	MD
112	HI- 112 -MD-RH	5+550	814976.2054	8885469.3753	MD
113	HI- 113 -MD-RH	5+600	815025.4432	8885460.7875	MD
114	HI- 114 -MD-RH	5+650	815074.4550	8885450.9230	MD
115	HI- 115 -MD-RH	5+700	815123.7616	8885445.9655	MD
116	HI- 116 -MD-RH	5+750	815173.4639	8885451.4130	MD
117	HI- 117 -MD-RH	5+800	815223.1130	8885457.3168	MD
118	HI- 118 -MD-RH	5+850	815272.7334	8885463.4662	MD
119	HI- 119 -MD-RH	5+900	815322.4805	8885468.4857	MD
120	HI- 120 -MD-RH	5+950	815371.9902	8885475.2778	MD
121	HI- 121 -MD-RH	6+000	815420.9677	8885485.2037	MD
122	HI- 122 -MD-RH	6+050	815469.6386	8885496.6555	MD
123	HI- 123 -MD-RH	6+100	815518.3095	8885508.1073	MD
124	HI- 124 -MD-RH	6+150	815566.9804	8885519.5591	MD
125	HI- 125 -MD-RH	6+200	815615.6249	8885531.1153	MD
126	HI- 126 -MD-RH	6+250	815663.8751	8885544.2269	MD
127	HI- 127 -MD-RH	6+300	815713.1180	8885552.8701	MD
128	HI- 128 -MD-RH	6+350	815762.9171	8885556.9485	MD
129	HI- 129 -MD-RH	6+400	815812.8640	8885557.2493	MD
130	HI- 130 -MD-RH	6+450	815862.4825	8885551.5793	MD
131	HI- 131 -MD-RH	6+500	815911.2316	8885540.4651	MD
132	HI- 132 -MD-RH	6+550	815957.3028	8885521.7529	MD
133	HI- 133 -MD-RH	6+600	816001.5355	8885498.4820	MD
134	HI- 134 -MD-RH	6+650	816045.1866	8885474.0980	MD
135	HI- 135 -MD-RH	6+700	816090.1350	8885452.2817	MD
136	HI- 136 -MD-RH	6+750	816136.7635	8885434.7047	MD
137	HI- 137 -MD-RH	6+800	816186.0990	8885428.2690	MD
138	HI- 138 -MD-RH	6+850	816235.3268	8885435.4656	MD
139	HI- 139 -MD-RH	6+900	816280.5581	8885456.1815	MD
140	HI- 140 -MD-RH	6+950	816322.4735	8885483.4029	MD
141	HI- 141 -MD-RH	7+000	816359.1225	8885517.2118	MD

142	HI- 142 -MD-RH	7+050	816384.9213	8885559.7713	MD
143	HI- 143 -MD-RH	7+100	816406.0509	8885605.0852	MD
144	HI- 144 -MD-RH	7+150	816431.6075	8885647.8222	MD
145	HI- 145 -MD-RH	7+200	816465.3030	8885684.6894	MD
146	HI- 146 -MD-RH	7+250	816501.2828	8885719.4090	MD
147	HI- 147 -MD-RH	7+300	816535.7934	8885755.5182	MD
148	HI- 148 -MD-RH	7+350	816563.2002	8885797.1772	MD
149	HI- 149 -MD-RH	7+400	816592.5658	8885837.5914	MD
150	HI- 150 -MD-RH	7+450	816632.9671	8885866.5795	MD
151	HI- 151 -MD-RH	7+500	816679.8036	8885883.9506	MD
152	HI- 152 -MD-RH	7+550	816728.7034	8885894.3817	MD
153	HI- 153 -MD-RH	7+600	816778.1178	8885900.9869	MD
154	HI- 154 -MD-RH	7+650	816827.4404	8885896.5402	MD
155	HI- 155 -MD-RH	7+700	816875.7706	8885883.8064	MD
156	HI- 156 -MD-RH	7+750	816923.8328	8885870.0216	MD
157	HI- 157 -MD-RH	7+800	816972.2673	8885857.6381	MD
158	HI- 158 -MD-RH	7+850	817021.2680	8885848.2507	MD
159	HI- 159 -MD-RH	7+900	817071.0998	8885844.4201	MD
160	HI- 160 -MD-RH	7+950	817121.0481	8885842.1471	MD
161	HI- 161 -MD-RH	8+000	817170.9964	8885839.8741	MD
162	HI- 162 -MD-RH	8+050	817220.9447	8885837.6012	MD
163	HI- 163 -MD-RH	8+100	817270.9126	8885836.7625	MD
164	HI- 164 -MD-RH	8+150	817320.8781	8885838.3794	MD
165	HI- 165 -MD-RH	8+200	817370.8001	8885841.1716	MD
166	HI- 166 -MD-RH	8+250	817420.7220	8885843.9638	MD
167	HI- 167 -MD-RH	8+300	817470.6440	8885846.7560	MD
168	HI- 168 -MD-RH	8+350	817520.5660	8885849.5482	MD
169	HI- 169 -MD-RH	8+400	817570.5005	8885852.0964	MD
170	HI- 170 -MD-RH	8+450	817620.1975	8885849.3335	MD
171	HI- 171 -MD-RH	8+500	817668.4572	8885837.5518	MD
172	HI- 172 -MD-RH	8+550	817712.0119	8885813.6047	MD
173	HI- 173 -MD-RH	8+600	817754.5844	8885787.5305	MD
174	HI- 174 -MD-RH	8+650	817800.5888	8885768.7621	MD
175	HI- 175 -MD-RH	8+700	817850.0968	8885764.0586	MD
176	HI- 176 -MD-RH	8+750	817899.6346	8885769.4208	MD
177	HI- 177 -MD-RH	8+800	817948.7752	8885778.3628	MD
178	HI- 178 -MD-RH	8+850	817996.2428	8885794.0733	MD
179	HI- 179 -MD-RH	8+900	818037.9483	8885821.4841	MD
180	HI- 180 -MD-RH	8+950	818075.8821	8885854.0575	MD
181	HI- 181 -MD-RH	9+000	818113.8159	8885886.6309	MD
182	HI- 182 -MD-RH	9+050	818152.6523	8885918.1146	MD
183	HI- 183 -MD-RH	9+100	818194.1343	8885946.0181	MD

184	HI- 184 -MD-RH	9+150	818235.7092	8885973.7944	MD
185	HI- 185 -MD-RH	9+200	818277.2842	8886001.5706	MD
186	HI- 186 -MD-RH	9+250	818318.8592	8886029.3469	MD
187	HI- 187 -MD-RH	9+300	818360.4342	8886057.1232	MD
188	HI- 188 -MD-RH	9+350	818401.3620	8886085.8373	MD
189	HI- 189 -MD-RH	9+400	818438.0786	8886119.4223	MD
190	HI- 190 -MD-RH	9+450	818463.3611	8886162.4092	MD
191	HI- 191 -MD-RH	9+500	818483.3506	8886208.1595	MD
192	HI- 192 -MD-RH	9+550	818501.9635	8886254.5659	MD
193	HI- 193 -MD-RH	9+600	818521.0738	8886300.7577	MD
194	HI- 194 -MD-RH	9+650	818542.0833	8886346.1295	MD
195	HI- 195 -MD-RH	9+700	818568.2460	8886388.6275	MD
196	HI- 196 -MD-RH	9+750	818599.0252	8886427.9299	MD
197	HI- 197 -MD-RH	9+800	818631.6209	8886465.8428	MD
198	HI- 198 -MD-RH	9+850	818664.5407	8886503.4764	MD
199	HI- 199 -MD-RH	9+900	818697.4604	8886541.1100	MD
200	HI- 200 -MD-RH	9+950	818730.3802	8886578.7437	MD
201	HI- 201 -MD-RH	10+000	818763.2999	8886616.3773	MD
202	HI- 202 -MD-RH	10+050	818796.2606	8886653.9748	MD
203	HI- 203 -MD-RH	10+100	818834.1581	8886685.4465	MD
204	HI- 204 -MD-RH	10+150	818872.4999	8886716.6318	MD
205	HI- 205 -MD-RH	10+200	818897.5016	8886759.9321	MD
206	HI- 206 -MD-RH	10+250	818918.9058	8886804.9097	MD
207	HI- 207 -MD-RH	10+300	818925.5791	8886854.4607	MD
208	HI- 208 -MD-RH	10+350	818935.3465	8886903.4262	MD
209	HI- 209 -MD-RH	10+400	818947.8999	8886951.8237	MD
210	HI- 210 -MD-RH	10+450	818960.5458	8887000.1981	MD
211	HI- 211 -MD-RH	10+500	818973.1916	8887048.5725	MD
212	HI- 212 -MD-RH	10+550	818988.8382	8887096.0214	MD
213	HI- 213 -MD-RH	10+600	819014.3893	8887138.8113	MD
214	HI- 214 -MD-RH	10+650	819047.0945	8887176.4492	MD
215	HI- 215 -MD-RH	10+700	819081.4758	8887212.7520	MD
216	HI- 216 -MD-RH	10+750	819115.9491	8887248.9680	MD
217	HI- 217 -MD-RH	10+800	819150.4223	8887285.1839	MD
218	HI- 218 -MD-RH	10+850	819184.7796	8887321.5091	MD
219	HI- 219 -MD-RH	10+900	819215.8226	8887360.5235	MD
220	HI- 220 -MD-RH	10+950	819243.2459	8887402.3235	MD
221	HI- 221 -MD-RH	11+000	819270.3490	8887444.3401	MD
222	HI- 222 -MD-RH	11+050	819303.5625	8887481.4985	MD
223	HI- 223 -MD-RH	11+100	819343.2255	8887511.3716	MD
224	HI- 224 -MD-RH	11+150	819385.9810	8887537.2835	MD
225	HI- 225 -MD-RH	11+200	819428.9177	8887562.8912	MD

226	HI- 226 -MD-RH	11+250	819469.6161	8887591.5910	MD
227	HI- 227 -MD-RH	11+300	819505.2097	8887626.6910	MD
228	HI- 228 -MD-RH	11+350	819539.8908	8887662.7079	MD
229	HI- 229 -MD-RH	11+400	819572.1965	8887700.7990	MD
230	HI- 230 -MD-RH	11+450	819596.0084	8887744.7602	MD
231	HI- 231 -MD-RH	11+500	819618.6336	8887789.3483	MD
232	HI- 232 -MD-RH	11+550	819641.2588	8887833.9364	MD
233	HI- 233 -MD-RH	11+600	819668.7578	8887875.5491	MD
234	HI- 234 -MD-RH	11+650	819703.5382	8887911.4702	MD
235	HI- 235 -MD-RH	11+700	819739.1071	8887946.6069	MD
236	HI- 236 -MD-RH	11+750	819774.8480	8887981.5723	MD
237	HI- 237 -MD-RH	11+800	819810.4836	8888016.6442	MD
238	HI- 238 -MD-RH	11+850	819842.8144	8888054.5952	MD
239	HI- 239 -MD-RH	11+900	819866.5450	8888098.5750	MD
240	HI- 240 -MD-RH	11+950	819889.2153	8888143.1394	MD
241	HI- 241 -MD-RH	12+000	819915.1412	8888185.7858	MD
242	HI- 242 -MD-RH	12+050	819950.4676	8888221.0529	MD
243	HI- 243 -MD-RH	12+100	819990.0851	8888251.5543	MD
244	HI- 244 -MD-RH	12+150	820029.8891	8888281.8139	MD
245	HI- 245 -MD-RH	12+200	820061.1956	8888318.9021	MD
246	HI- 246 -MD-RH	12+250	820057.5248	8888368.4174	MD
247	HI- 247 -MD-RH	12+300	820057.4104	8888418.0765	MD
248	HI- 248 -MD-RH	12+350	820077.5319	8888463.2481	MD
249	HI- 249 -MD-RH	12+400	820109.1157	8888501.8339	MD
250	HI- 250 -MD-RH	12+450	820148.2120	8888532.5057	MD
251	HI- 251 -MD-RH	12+500	820189.9640	8888559.9785	MD
252	HI- 252 -MD-RH	12+550	820233.1678	8888585.1466	MD
253	HI- 253 -MD-RH	12+600	820267.9046	8888620.5096	MD
254	HI- 254 -MD-RH	12+650	820288.3047	8888665.8895	MD
255	HI- 255 -MD-RH	12+700	820301.8895	8888714.0033	MD
256	HI- 256 -MD-RH	12+750	820318.1880	8888761.1290	MD
257	HI- 257 -MD-RH	12+800	820344.5414	8888803.3741	MD
258	HI- 258 -MD-RH	12+850	820379.9037	8888838.3699	MD
259	HI- 259 -MD-RH	12+900	820421.0407	8888866.6879	MD
260	HI- 260 -MD-RH	12+950	820461.3131	8888896.0975	MD
261	HI- 261 -MD-RH	13+000	820492.5017	8888934.9633	MD
262	HI- 262 -MD-RH	13+050	820522.1533	8888975.1593	MD
263	HI- 263 -MD-RH	13+100	820561.6444	8889005.7329	MD
264	HI- 264 -MD-RH	13+150	820601.3150	8889036.0207	MD
265	HI- 265 -MD-RH	13+200	820638.8648	8889069.0359	MD
266	HI- 266 -MD-RH	13+250	820664.1977	8889112.0377	MD
267	HI- 267 -MD-RH	13+300	820676.0918	8889160.2826	MD

268	HI- 268 -MD-RH	13+350	820678.0383	8889210.1518	MD
269	HI- 269 -MD-RH	13+400	820674.9523	8889260.0565	MD
270	HI- 270 -MD-RH	13+450	820671.8662	8889309.9611	MD
271	HI- 271 -MD-RH	13+500	820670.8841	8889359.9477	MD
272	HI- 272 -MD-RH	13+550	820674.0042	8889409.7306	MD
273	HI- 273 -MD-RH	13+600	820681.8307	8889459.0904	MD
274	HI- 274 -MD-RH	13+650	820691.3651	8889508.1718	MD
275	HI- 275 -MD-RH	13+700	820704.1134	8889556.4045	MD
276	HI- 276 -MD-RH	13+750	820720.4319	8889603.6666	MD
277	HI- 277 -MD-RH	13+800	820743.0041	8889648.2798	MD
278	HI- 278 -MD-RH	13+850	820765.9462	8889692.7051	MD
279	HI- 279 -MD-RH	13+900	820788.1453	8889737.5051	MD
280	HI- 280 -MD-RH	13+950	820806.1659	8889783.9834	MD
281	HI- 281 -MD-RH	14+000	820820.8631	8889831.7743	MD
282	HI- 282 -MD-RH	14+050	820835.3696	8889879.6236	MD
283	HI- 283 -MD-RH	14+100	820854.6262	8889925.7147	MD
284	HI- 284 -MD-RH	14+150	820883.8076	8889966.0333	MD
285	HI- 285 -MD-RH	14+200	820919.7014	8890000.0970	MD
286	HI- 286 -MD-RH	14+250	820960.5803	8890028.8880	MD
287	HI- 287 -MD-RH	14+300	821005.9137	8890049.9520	MD
288	HI- 288 -MD-RH	14+350	821051.3137	8890070.9006	MD
289	HI- 289 -MD-RH	14+400	821096.7136	8890091.8491	MD
290	HI- 290 -MD-RH	14+450	821142.1136	8890112.7977	MD
291	HI- 291 -MD-RH	14+500	821187.5136	8890133.7463	MD
292	HI- 292 -MD-RH	14+550	821232.2396	8890156.0930	MD
293	HI- 293 -MD-RH	14+600	821272.3026	8890185.7770	MD
294	HI- 294 -MD-RH	14+650	821308.6775	8890219.9840	MD
295	HI- 295 -MD-RH	14+700	821342.0921	8890257.1243	MD
296	HI- 296 -MD-RH	14+750	821373.9689	8890295.6434	MD
297	HI- 297 -MD-RH	14+800	821405.6154	8890334.3539	MD
298	HI- 298 -MD-RH	14+850	821437.2618	8890373.0644	MD
299	HI- 299 -MD-RH	14+900	821468.9082	8890411.7750	MD
300	HI- 300 -MD-RH	14+950	821504.1407	8890446.9674	MD
301	HI- 301 -MD-RH	15+000	821547.0945	8890472.5251	MD
302	HI- 302 -MD-RH	15+050	821591.4654	8890495.5735	MD
303	HI- 303 -MD-RH	15+100	821635.8362	8890518.6219	MD
304	HI- 304 -MD-RH	15+150	821677.7993	8890545.2821	MD
305	HI- 305 -MD-RH	15+200	821710.3333	8890582.7395	MD
306	HI- 306 -MD-RH	15+250	821736.1109	8890625.5812	MD
307	HI- 307 -MD-RH	15+300	821764.6261	8890666.3899	MD
308	HI- 308 -MD-RH	15+350	821797.8150	8890703.7734	MD
309	HI- 309 -MD-RH	15+400	821836.6643	8890735.2493	MD

310	HI- 310 -MD-RH	15+450	821878.3249	8890762.2253	MD
311	HI- 311 -MD-RH	15+500	821923.6492	8890783.3373	MD
312	HI- 312 -MD-RH	15+550	821971.4095	8890796.3963	MD
313	HI- 313 -MD-RH	15+600	822020.8360	8890803.9477	MD
314	HI- 314 -MD-RH	15+650	822070.7339	8890803.7511	MD
315	HI- 315 -MD-RH	15+700	822120.7220	8890802.6986	MD
316	HI- 316 -MD-RH	15+750	822170.3467	8890807.8928	MD
317	HI- 317 -MD-RH	15+800	822220.1430	8890810.1114	MD
318	HI- 318 -MD-RH	15+850	822269.7038	8890813.0071	MD
319	HI- 319 -MD-RH	15+900	822318.7269	8890819.0166	MD
320	HI- 320 -MD-RH	15+950	822368.3599	8890818.3356	MD
321	HI- 321 -MD-RH	16+000	822416.9937	8890829.2586	MD
322	HI- 322 -MD-RH	16+050	822463.5665	8890847.4178	MD
323	HI- 323 -MD-RH	16+100	822511.2837	8890860.0657	MD
324	HI- 324 -MD-RH	16+150	822561.1215	8890864.0860	MD
325	HI- 325 -MD-RH	16+200	822610.8033	8890867.7600	MD
326	HI- 326 -MD-RH	16+250	822656.2372	8890846.8850	MD
327	HI- 327 -MD-RH	16+300	822703.3111	8890830.3316	MD
328	HI- 328 -MD-RH	16+350	822751.1551	8890815.8075	MD
329	HI- 329 -MD-RH	16+400	822795.9659	8890793.9532	MD
330	HI- 330 -MD-RH	16+450	822844.5560	8890792.8625	MD
331	HI- 331 -MD-RH	16+500	822894.5152	8890792.5182	MD
332	HI- 332 -MD-RH	16+550	822944.1391	8890788.0252	MD
333	HI- 333 -MD-RH	16+600	822991.2599	8890775.2341	MD
334	HI- 334 -MD-RH	16+650	823022.5757	8890736.2557	MD
335	HI- 335 -MD-RH	16+700	823054.3888	8890697.6827	MD
336	HI- 336 -MD-RH	16+750	823086.3051	8890659.1945	MD
337	HI- 337 -MD-RH	16+800	823118.2526	8890620.7320	MD
338	HI- 338 -MD-RH	16+850	823150.2001	8890582.2696	MD
339	HI- 339 -MD-RH	16+900	823187.0000	8890548.7741	MD
340	HI- 340 -MD-RH	16+950	823231.8141	8890530.6417	MD
341	HI- 341 -MD-RH	17+000	823281.3405	8890524.2347	MD
342	HI- 342 -MD-RH	17+050	823331.2813	8890524.3560	MD
343	HI- 343 -MD-RH	17+100	823380.9876	8890529.7673	MD
344	HI- 344 -MD-RH	17+150	823430.3593	8890523.7343	MD
345	HI- 345 -MD-RH	17+200	823477.7538	8890509.6611	MD
346	HI- 346 -MD-RH	17+250	823520.6653	8890484.5166	MD
347	HI- 347 -MD-RH	17+300	823558.4093	8890451.7235	MD
348	HI- 348 -MD-RH	17+350	823596.0365	8890418.7964	MD
349	HI- 349 -MD-RH	17+400	823637.0657	8890390.6856	MD
350	HI- 350 -MD-RH	17+450	823684.9741	8890377.1058	MD
351	HI- 351 -MD-RH	17+500	823734.1751	8890369.0290	MD

352	HI- 352 -MD-RH	17+550	823783.9200	8890364.1862	MD
353	HI- 353 -MD-RH	17+600	823832.5109	8890352.3997	MD
354	HI- 354 -MD-RH	17+650	823880.3806	8890338.0862	MD
355	HI- 355 -MD-RH	17+700	823927.1147	8890320.4888	MD
356	HI- 356 -MD-RH	17+750	823973.4457	8890301.8359	MD
357	HI- 357 -MD-RH	17+800	824021.1756	8890287.2076	MD
358	HI- 358 -MD-RH	17+850	824070.5226	8890279.7205	MD
359	HI- 359 -MD-RH	17+900	824120.5211	8890279.3318	MD
360	HI- 360 -MD-RH	17+950	824170.2012	8890283.4925	MD
361	HI- 361 -MD-RH	18+000	824219.6547	8890290.8646	MD
362	HI- 362 -MD-RH	18+050	824269.0868	8890298.3788	MD
363	HI- 363 -MD-RH	18+100	824318.6930	8890303.6065	MD
364	HI- 364 -MD-RH	18+150	824368.6930	8890303.6609	MD
365	HI- 365 -MD-RH	18+200	824418.0337	8890296.7301	MD
366	HI- 366 -MD-RH	18+250	824466.7464	8890285.9314	MD
367	HI- 367 -MD-RH	18+300	824513.4859	8890268.1713	MD
368	HI- 368 -MD-RH	18+350	824559.4952	8890248.6209	MD
369	HI- 369 -MD-RH	18+400	824605.3237	8890228.6272	MD
370	HI- 370 -MD-RH	18+450	824651.1522	8890208.6334	MD
371	HI- 371 -MD-RH	18+500	824697.3175	8890189.5072	MD
372	HI- 372 -MD-RH	18+550	824744.9483	8890175.3020	MD
373	HI- 373 -MD-RH	18+600	824794.9449	8890175.8239	MD
374	HI- 374 -MD-RH	18+650	824844.9313	8890176.9888	MD
375	HI- 375 -MD-RH	18+700	824894.9177	8890178.1537	MD
376	HI- 376 -MD-RH	18+750	824944.9041	8890179.3185	MD
377	HI- 377 -MD-RH	18+800	824994.8434	8890179.0347	MD
378	HI- 378 -MD-RH	18+850	825044.6001	8890174.1952	MD
379	HI- 379 -MD-RH	18+900	825094.1260	8890167.3272	MD
380	HI- 380 -MD-RH	18+950	825143.6192	8890160.2259	MD
381	HI- 381 -MD-RH	19+000	825191.8231	8890147.2965	MD
382	HI- 382 -MD-RH	19+050	825239.2312	8890131.4083	MD
383	HI- 383 -MD-RH	19+100	825288.7115	8890130.7067	MD
384	HI- 384 -MD-RH	19+150	825338.3298	8890136.8560	MD
385	HI- 385 -MD-RH	19+200	825388.0915	8890136.6735	MD
386	HI- 386 -MD-RH	19+250	825437.0670	8890126.6036	MD
387	HI- 387 -MD-RH	19+300	825485.9954	8890117.2322	MD
388	HI- 388 -MD-RH	19+350	825533.9094	8890127.9776	MD
389	HI- 389 -MD-RH	19+400	825578.9385	8890149.5619	MD
390	HI- 390 -MD-RH	19+450	825620.9386	8890176.2829	MD
391	HI- 391 -MD-RH	19+500	825653.3073	8890214.0667	MD
392	HI- 392 -MD-RH	19+550	825679.5416	8890256.4556	MD
393	HI- 393 -MD-RH	19+600	825704.5956	8890299.7157	MD

394	HI- 394 -MD-RH	19+650	825732.9303	8890340.5065	MD
395	HI- 395 -MD-RH	19+700	825768.5721	8890375.5730	MD
396	HI- 396 -MD-RH	19+750	825811.5081	8890400.6519	MD
397	HI- 397 -MD-RH	19+800	825858.0660	8890416.7949	MD
398	HI- 398 -MD-RH	19+850	825907.5680	8890423.8340	MD
399	HI- 399 -MD-RH	19+900	825957.1933	8890418.4017	MD
400	HI- 400 -MD-RH	19+950	826006.7066	8890411.4595	MD
401	HI- 401 -MD-RH	20+000	826056.1841	8890404.2498	MD
402	HI- 402 -MD-RH	20+050	826105.6616	8890397.0401	MD
403	HI- 403 -MD-RH	20+100	826155.1390	8890389.8304	MD
404	HI- 404 -MD-RH	20+150	826204.9518	8890385.6620	MD
405	HI- 405 -MD-RH	20+200	826254.0486	8890392.6880	MD
406	HI- 406 -MD-RH	20+250	826302.8827	8890403.4228	MD
407	HI- 407 -MD-RH	20+300	826351.1737	8890416.3825	MD
408	HI- 408 -MD-RH	20+350	826399.4163	8890429.5210	MD
409	HI- 409 -MD-RH	20+400	826446.4616	8890445.8910	MD
410	HI- 410 -MD-RH	20+450	826491.0188	8890468.5253	MD
411	HI- 411 -MD-RH	20+500	826534.5196	8890493.1765	MD
412	HI- 412 -MD-RH	20+550	826578.0204	8890517.8277	MD
413	HI- 413 -MD-RH	20+600	826621.4469	8890542.6091	MD
414	HI- 414 -MD-RH	20+650	826663.4725	8890569.3943	MD
415	HI- 415 -MD-RH	20+700	826701.3776	8890602.0011	MD
416	HI- 416 -MD-RH	20+750	826737.5738	8890636.4921	MD
417	HI- 417 -MD-RH	20+800	826772.9098	8890671.8588	MD
418	HI- 418 -MD-RH	20+850	826803.8716	8890710.9417	MD
419	HI- 419 -MD-RH	20+900	826832.6580	8890751.8235	MD
420	HI- 420 -MD-RH	20+950	826861.2919	8890792.8124	MD
421	HI- 421 -MD-RH	21+000	826895.0371	8890829.6519	MD
422	HI- 422 -MD-RH	21+050	826933.4305	8890861.2493	MD
423	HI- 423 -MD-RH	21+100	826974.6324	8890889.5760	MD
424	HI- 424 -MD-RH	21+150	827015.9662	8890917.7099	MD
425	HI- 425 -MD-RH	21+200	827058.6256	8890943.6577	MD
426	HI- 426 -MD-RH	21+250	827102.6826	8890967.3006	MD
427	HI- 427 -MD-RH	21+300	827149.9742	8890983.3636	MD
428	HI- 428 -MD-RH	21+350	827197.5269	8890998.8147	MD
429	HI- 429 -MD-RH	21+400	827246.2257	8891009.5219	MD
430	HI- 430 -MD-RH	21+450	827295.7896	8891013.7637	MD
431	HI- 431 -MD-RH	21+500	827345.7233	8891011.1905	MD
432	HI- 432 -MD-RH	21+550	827395.6493	8891008.4730	MD
433	HI- 433 -MD-RH	21+600	827445.6081	8891006.9975	MD
434	HI- 434 -MD-RH	21+650	827495.5855	8891007.3010	MD
435	HI- 435 -MD-RH	21+700	827545.0514	8891014.5898	MD

436	HI- 436 -MD-RH	21+750	827593.5994	8891026.0860	MD
437	HI- 437 -MD-RH	21+800	827638.0633	8891047.8866	MD
438	HI- 438 -MD-RH	21+850	827678.1112	8891077.5814	MD
439	HI- 439 -MD-RH	21+900	827715.7251	8891110.5237	MD
440	HI- 440 -MD-RH	21+950	827753.3390	8891143.4660	MD
441	HI- 441 -MD-RH	22+000	827790.8314	8891176.5464	MD
442	HI- 442 -MD-RH	22+050	827823.5872	8891214.1029	MD
443	HI- 443 -MD-RH	22+100	827848.3553	8891257.1136	MD
444	HI- 444 -MD-RH	22+150	827872.7083	8891300.5101	MD
445	HI- 445 -MD-RH	22+200	827902.1872	8891340.7446	MD
446	HI- 446 -MD-RH	22+250	827941.9222	8891371.0947	MD
447	HI- 447 -MD-RH	22+300	827987.5870	8891391.0746	MD
448	HI- 448 -MD-RH	22+350	828034.5545	8891408.1815	MD
449	HI- 449 -MD-RH	22+400	828081.5276	8891425.2609	MD
450	HI- 450 -MD-RH	22+450	828127.5999	8891444.6861	MD
451	HI- 451 -MD-RH	22+500	828173.6723	8891464.1113	MD
452	HI- 452 -MD-RH	22+550	828219.7446	8891483.5365	MD
453	HI- 453 -MD-RH	22+600	828265.8170	8891502.9617	MD
454	HI- 454 -MD-RH	22+650	828312.0187	8891522.0769	MD
455	HI- 455 -MD-RH	22+700	828360.0130	8891535.1111	MD
456	HI- 456 -MD-RH	22+750	828409.2028	8891544.0747	MD
457	HI- 457 -MD-RH	22+800	828458.4767	8891552.5650	MD
458	HI- 458 -MD-RH	22+850	828507.7548	8891561.0306	MD
459	HI- 459 -MD-RH	22+900	828557.0362	8891569.4772	MD
460	HI- 460 -MD-RH	22+950	828606.8248	8891574.0094	MD
461	HI- 461 -MD-RH	23+000	828656.7299	8891576.7378	MD
462	HI- 462 -MD-RH	23+050	828706.7071	8891578.2474	MD
463	HI- 463 -MD-RH	23+100	828756.6683	8891580.0611	MD
464	HI- 464 -MD-RH	23+150	828806.5272	8891583.8140	MD
465	HI- 465 -MD-RH	23+200	828855.2429	8891593.2513	MD
466	HI- 466 -MD-RH	23+250	828903.3346	8891606.7337	MD

4. COORDENADAS FAJA MARGINAL DERECHA DEL RÍO HUARMEY ZONA 18

N°	Código	Coordenadas UTM WGS 84 Z18			Margen
		Progresiva	Este X	Norte Y	
467	HI- 001 -MD-RH	23+300	171122.0622	8891613.0497	MD
468	HI- 002 -MD-RH	23+350	171171.7185	8891609.2369	MD
469	HI- 003 -MD-RH	23+400	171220.7561	8891599.4759	MD
470	HI- 004 -MD-RH	23+450	171269.7604	8891589.5576	MD
471	HI- 005 -MD-RH	23+500	171319.3603	8891585.3078	MD
472	HI- 006 -MD-RH	23+550	171369.2028	8891583.0009	MD

473	HI- 007 -MD-RH	23+600	171418.1174	8891573.3670	MD
474	HI- 008 -MD-RH	23+650	171465.8687	8891558.8154	MD
475	HI- 009 -MD-RH	23+700	171511.5374	8891538.6205	MD
476	HI- 010 -MD-RH	23+750	171554.9156	8891513.7549	MD
477	HI- 011 -MD-RH	23+800	171598.5600	8891489.4293	MD
478	HI- 012 -MD-RH	23+850	171644.6936	8891470.1512	MD
479	HI- 013 -MD-RH	23+900	171693.6292	8891461.0764	MD
480	HI- 014 -MD-RH	23+950	171743.5658	8891458.8658	MD
481	HI- 015 -MD-RH	24+000	171793.2708	8891453.9214	MD
482	HI- 016 -MD-RH	24+050	171840.9049	8891438.7250	MD
483	HI- 017 -MD-RH	24+100	171884.9655	8891422.2769	MD
484	HI- 018 -MD-RH	24+150	171932.7112	8891407.4893	MD
485	HI- 019 -MD-RH	24+200	171981.2629	8891396.4288	MD
486	HI- 020 -MD-RH	24+250	172031.0471	8891392.9975	MD
487	HI- 021 -MD-RH	24+300	172081.0313	8891392.9984	MD
488	HI- 022 -MD-RH	24+350	172130.7538	8891396.7942	MD
489	HI- 023 -MD-RH	24+400	172179.6960	8891407.0204	MD
490	HI- 024 -MD-RH	24+450	172228.5852	8891417.4967	MD
491	HI- 025 -MD-RH	24+500	172277.9376	8891425.0817	MD
492	HI- 026 -MD-RH	24+550	172327.7110	8891429.6808	MD
493	HI- 027 -MD-RH	24+600	172377.6382	8891432.0311	MD
494	HI- 028 -MD-RH	24+650	172427.5948	8891429.9743	MD
495	HI- 029 -MD-RH	24+700	172477.5513	8891427.9176	MD
496	HI- 030 -MD-RH	24+750	172527.5079	8891425.8608	MD
497	HI- 031 -MD-RH	24+800	172577.4644	8891423.8040	MD
498	HI- 032 -MD-RH	24+850	172627.4208	8891421.7472	MD
499	HI- 033 -MD-RH	24+900	172677.3772	8891419.6905	MD
500	HI- 034 -MD-RH	24+950	172727.3336	8891417.6337	MD
501	HI- 035 -MD-RH	25+000	172777.2899	8891415.5770	MD
502	HI- 036 -MD-RH	25+050	172827.2487	8891413.5874	MD
503	HI- 037 -MD-RH	25+100	172877.2186	8891411.8960	MD
504	HI- 038 -MD-RH	25+150	172927.0049	8891415.0292	MD
505	HI- 039 -MD-RH	25+200	172976.6844	8891420.6361	MD
506	HI- 040 -MD-RH	25+250	173025.9568	8891429.1258	MD
507	HI- 041 -MD-RH	25+300	173075.2292	8891437.6154	MD
508	HI- 042 -MD-RH	25+350	173124.5015	8891446.1049	MD
509	HI- 043 -MD-RH	25+400	173173.5732	8891455.6739	MD
510	HI- 044 -MD-RH	25+450	173220.7732	8891471.4493	MD
511	HI- 045 -MD-RH	25+500	173266.5719	8891491.4937	MD
512	HI- 046 -MD-RH	25+550	173312.2539	8891511.8052	MD
513	HI- 047 -MD-RH	25+600	173358.4055	8891531.0361	MD
514	HI- 048 -MD-RH	25+650	173404.7828	8891549.7167	MD

515	HI- 049 -MD-RH	25+700	173451.1599	8891568.3973	MD
516	HI- 050 -MD-RH	25+750	173497.5371	8891587.0779	MD
517	HI- 051 -MD-RH	25+800	173543.9142	8891605.7585	MD
518	HI- 052 -MD-RH	25+850	173590.2913	8891624.4391	MD
519	HI- 053 -MD-RH	25+900	173637.6089	8891640.4006	MD
520	HI- 054 -MD-RH	25+950	173685.6786	8891653.9246	MD
521	HI- 055 -MD-RH	26+000	173735.6762	8891653.7591	MD
522	HI- 056 -MD-RH	26+050	173785.6661	8891653.0909	MD
523	HI- 057 -MD-RH	26+100	173835.6454	8891651.7341	MD
524	HI- 058 -MD-RH	26+150	173885.3221	8891646.0976	MD
525	HI- 059 -MD-RH	26+200	173934.6037	8891637.9439	MD
526	HI- 060 -MD-RH	26+250	173983.5948	8891627.9622	MD
527	HI- 061 -MD-RH	26+300	174032.5859	8891617.9804	MD
528	HI- 062 -MD-RH	26+350	174081.4973	8891607.6197	MD
529	HI- 063 -MD-RH	26+400	174130.2171	8891596.5250	MD
530	HI- 064 -MD-RH	26+450	174177.3914	8891579.9619	MD
531	HI- 065 -MD-RH	26+500	174221.9851	8891557.3958	MD
532	HI- 066 -MD-RH	26+550	174265.0731	8891532.0666	MD
533	HI- 067 -MD-RH	26+600	174308.3214	8891507.0683	MD
534	HI- 068 -MD-RH	26+650	174354.8404	8891491.5569	MD
535	HI- 069 -MD-RH	26+700	174403.2249	8891500.5211	MD
536	HI- 070 -MD-RH	26+750	174449.3092	8891519.9109	MD
537	HI- 071 -MD-RH	26+800	174496.6117	8891536.0767	MD
538	HI- 072 -MD-RH	26+850	174545.9728	8891543.0981	MD
539	HI- 073 -MD-RH	26+900	174594.1129	8891555.7164	MD
540	HI- 074 -MD-RH	26+950	174633.0319	8891586.8297	MD
541	HI- 075 -MD-RH	27+000	174671.9632	8891617.9753	MD
542	HI- 076 -MD-RH	27+050	174717.1933	8891639.2813	MD
543	HI- 077 -MD-RH	27+100	174765.3019	8891651.3363	MD
544	HI- 078 -MD-RH	27+150	174815.0584	8891650.9075	MD
545	HI- 079 -MD-RH	27+200	174863.5286	8891639.7321	MD
546	HI- 080 -MD-RH	27+250	174911.1971	8891624.6715	MD
547	HI- 081 -MD-RH	27+300	174959.1221	8891610.8746	MD
548	HI- 082 -MD-RH	27+350	175008.5277	8891603.2088	MD
549	HI- 083 -MD-RH	27+400	175058.1685	8891608.8311	MD
550	HI- 084 -MD-RH	27+450	175107.6947	8891615.6470	MD
551	HI- 085 -MD-RH	27+500	175157.1666	8891622.8716	MD
552	HI- 086 -MD-RH	27+550	175206.6386	8891630.0963	MD
553	HI- 087 -MD-RH	27+600	175255.6385	8891639.9287	MD
554	HI- 088 -MD-RH	27+650	175303.0885	8891655.6819	MD
555	HI- 089 -MD-RH	27+700	175347.9727	8891677.6659	MD
556	HI- 090 -MD-RH	27+750	175391.4066	8891702.3914	MD

557	HI- 091 -MD-RH	27+800	175436.1047	8891724.6030	MD
558	HI- 092 -MD-RH	27+850	175482.1364	8891743.9500	MD
559	HI- 093 -MD-RH	27+900	175530.8925	8891755.0169	MD
560	HI- 094 -MD-RH	27+950	175579.8612	8891764.9871	MD
561	HI- 095 -MD-RH	28+000	175629.2225	8891772.9299	MD
562	HI- 096 -MD-RH	28+050	175679.1302	8891774.2363	MD
563	HI- 097 -MD-RH	28+100	175729.1053	8891773.3991	MD
564	HI- 098 -MD-RH	28+150	175778.8760	8891772.6780	MD
565	HI- 099 -MD-RH	28+200	175826.7421	8891787.1159	MD
566	HI- 100 -MD-RH	28+250	175872.6257	8891806.7830	MD
567	HI- 101 -MD-RH	28+300	175919.6153	8891822.0962	MD
568	HI- 102 -MD-RH	28+350	175969.2635	8891827.9835	MD
569	HI- 103 -MD-RH	28+400	176019.1017	8891828.3483	MD
570	HI- 104 -MD-RH	28+450	176069.0231	8891825.7473	MD
571	HI- 105 -MD-RH	28+500	176118.4642	8891818.3194	MD
572	HI- 106 -MD-RH	28+550	176167.9052	8891810.8916	MD
573	HI- 107 -MD-RH	28+600	176217.3462	8891803.4637	MD
574	HI- 108 -MD-RH	28+650	176266.7871	8891796.0358	MD
575	HI- 109 -MD-RH	28+700	176315.6450	8891785.8134	MD
576	HI- 110 -MD-RH	28+750	176363.9316	8891772.8529	MD
577	HI- 111 -MD-RH	28+800	176410.4434	8891754.9121	MD
578	HI- 112 -MD-RH	28+850	176455.9886	8891734.2928	MD
579	HI- 113 -MD-RH	28+900	176501.3935	8891713.3654	MD
580	HI- 114 -MD-RH	28+950	176546.7984	8891692.4381	MD
581	HI- 115 -MD-RH	29+000	176591.2617	8891669.5925	MD
582	HI- 116 -MD-RH	29+050	176631.6954	8891640.6827	MD
583	HI- 117 -MD-RH	29+100	176669.1955	8891607.6306	MD
584	HI- 118 -MD-RH	29+150	176710.3817	8891580.1375	MD
585	HI- 119 -MD-RH	29+200	176757.9938	8891573.1523	MD
586	HI- 120 -MD-RH	29+250	176805.9034	8891585.7253	MD
587	HI- 121 -MD-RH	29+300	176852.5394	8891603.7411	MD
588	HI- 122 -MD-RH	29+350	176899.6237	8891620.5515	MD
589	HI- 123 -MD-RH	29+400	176947.0961	8891636.1358	MD
590	HI- 124 -MD-RH	29+450	176995.2862	8891649.4447	MD
591	HI- 125 -MD-RH	29+500	177044.3732	8891658.9307	MD
592	HI- 126 -MD-RH	29+550	177093.6508	8891667.1946	MD
593	HI- 127 -MD-RH	29+600	177143.2945	8891673.1123	MD
594	HI- 128 -MD-RH	29+650	177193.2185	8891675.5597	MD
595	HI- 129 -MD-RH	29+700	177243.1695	8891676.5897	MD
596	HI- 130 -MD-RH	29+750	177293.1242	8891674.5845	MD
597	HI- 131 -MD-RH	29+800	177342.9533	8891671.1595	MD
598	HI- 132 -MD-RH	29+850	177392.4838	8891664.3615	MD

599	HI- 133 -MD-RH	29+900	177441.8923	8891656.7748	MD
600	HI- 134 -MD-RH	29+950	177491.1613	8891648.2865	MD
601	HI- 135 -MD-RH	30+000	177539.9028	8891637.3724	MD
602	HI- 136 -MD-RH	30+050	177588.2491	8891624.6400	MD
603	HI- 137 -MD-RH	30+100	177636.5953	8891611.9076	MD
604	HI- 138 -MD-RH	30+150	177684.9414	8891599.1752	MD
605	HI- 139 -MD-RH	30+200	177733.2876	8891586.4429	MD
606	HI- 140 -MD-RH	30+250	177781.6225	8891573.6703	MD
607	HI- 141 -MD-RH	30+300	177829.6309	8891559.7187	MD
608	HI- 142 -MD-RH	30+350	177878.4328	8891549.2132	MD
609	HI- 143 -MD-RH	30+400	177927.7080	8891540.7631	MD
610	HI- 144 -MD-RH	30+450	177977.6102	8891537.9738	MD
611	HI- 145 -MD-RH	30+500	178027.5452	8891535.5478	MD
612	HI- 146 -MD-RH	30+550	178077.4992	8891533.5407	MD
613	HI- 147 -MD-RH	30+600	178127.4532	8891531.5336	MD
614	HI- 148 -MD-RH	30+650	178177.4072	8891529.5265	MD
615	HI- 149 -MD-RH	30+700	178227.2735	8891531.9078	MD
616	HI- 150 -MD-RH	30+750	178277.0949	8891536.0411	MD
617	HI- 151 -MD-RH	30+800	178326.8086	8891541.3289	MD
618	HI- 152 -MD-RH	30+850	178376.6001	8891545.6702	MD
619	HI- 153 -MD-RH	30+900	178426.5097	8891548.5757	MD
620	HI- 154 -MD-RH	30+950	178476.0396	8891554.9709	MD
621	HI- 155 -MD-RH	31+000	178524.6406	8891566.6199	MD
622	HI- 156 -MD-RH	31+050	178573.7869	8891573.8861	MD
623	HI- 157 -MD-RH	31+100	178623.7680	8891574.8400	MD
624	HI- 158 -MD-RH	31+150	178673.4761	8891580.1773	MD
625	HI- 159 -MD-RH	31+200	178722.4379	8891589.9654	MD
626	HI- 160 -MD-RH	31+250	178768.0634	8891609.6871	MD
627	HI- 161 -MD-RH	31+300	178813.0629	8891631.4558	MD
628	HI- 162 -MD-RH	31+350	178859.2568	8891649.4934	MD
629	HI- 163 -MD-RH	31+400	178908.7993	8891656.1947	MD
630	HI- 164 -MD-RH	31+450	178958.4910	8891661.5944	MD
631	HI- 165 -MD-RH	31+500	179007.6313	8891669.7327	MD
632	HI- 166 -MD-RH	31+550	179055.8299	8891683.0085	MD
633	HI- 167 -MD-RH	31+600	179103.8675	8891696.8470	MD
634	HI- 168 -MD-RH	31+650	179152.0561	8891709.9454	MD
635	HI- 169 -MD-RH	31+700	179201.3491	8891718.2844	MD
636	HI- 170 -MD-RH	31+750	179251.0386	8891722.9835	MD
637	HI- 171 -MD-RH	31+800	179300.4258	8891729.0482	MD
638	HI- 172 -MD-RH	31+850	179348.8453	8891741.4932	MD
639	HI- 173 -MD-RH	31+900	179397.2031	8891754.1755	MD
640	HI- 174 -MD-RH	31+950	179445.5563	8891766.8750	MD

641	HI- 175 -MD-RH	32+000	179494.0167	8891778.9933	MD
642	HI- 176 -MD-RH	32+050	179543.4225	8891775.7834	MD
643	HI- 177 -MD-RH	32+100	179592.2737	8891765.1720	MD
644	HI- 178 -MD-RH	32+150	179640.9095	8891753.6059	MD
645	HI- 179 -MD-RH	32+200	179690.1715	8891749.3192	MD
646	HI- 180 -MD-RH	32+250	179735.8123	8891767.8013	MD
647	HI- 181 -MD-RH	32+300	179783.1739	8891782.0974	MD
648	HI- 182 -MD-RH	32+350	179832.6355	8891779.3709	MD
649	HI- 183 -MD-RH	32+400	179880.8570	8891766.9557	MD
650	HI- 184 -MD-RH	32+450	179929.5506	8891764.7174	MD
651	HI- 185 -MD-RH	32+500	179974.9208	8891785.7133	MD
652	HI- 186 -MD-RH	32+550	180020.3670	8891806.5437	MD
653	HI- 187 -MD-RH	32+600	180066.9444	8891823.8999	MD
654	HI- 188 -MD-RH	32+650	180115.9587	8891833.7420	MD
655	HI- 189 -MD-RH	32+700	180165.8439	8891835.9433	MD
656	HI- 190 -MD-RH	32+750	180215.7795	8891834.4328	MD
657	HI- 191 -MD-RH	32+800	180265.6434	8891831.0746	MD
658	HI- 192 -MD-RH	32+850	180315.3195	8891825.4593	MD
659	HI- 193 -MD-RH	32+900	180364.0368	8891814.5888	MD
660	HI- 194 -MD-RH	32+950	180412.4951	8891802.2989	MD
661	HI- 195 -MD-RH	33+000	180459.5892	8891785.6922	MD
662	HI- 196 -MD-RH	33+050	180506.3110	8891767.9071	MD
663	HI- 197 -MD-RH	33+100	180553.8537	8891752.8781	MD
664	HI- 198 -MD-RH	33+150	180602.6919	8891742.1980	MD
665	HI- 199 -MD-RH	33+200	180652.0637	8891734.6851	MD
666	HI- 200 -MD-RH	33+250	180701.7045	8891728.7683	MD
667	HI- 201 -MD-RH	33+300	180751.3453	8891722.8516	MD
668	HI- 202 -MD-RH	33+350	180801.2103	8891719.3781	MD
669	HI- 203 -MD-RH	33+400	180851.0988	8891716.1610	MD
670	HI- 204 -MD-RH	33+450	180900.9872	8891712.9439	MD
671	HI- 205 -MD-RH	33+500	180950.8755	8891709.7268	MD
672	HI- 206 -MD-RH	33+550	181000.7639	8891706.5097	MD
673	HI- 207 -MD-RH	33+600	181050.6651	8891703.5044	MD
674	HI- 208 -MD-RH	33+650	181100.5207	8891702.2317	MD
675	HI- 209 -MD-RH	33+700	181150.1396	8891708.3262	MD
676	HI- 210 -MD-RH	33+750	181199.4294	8891716.3687	MD
677	HI- 211 -MD-RH	33+800	181247.8061	8891728.6964	MD
678	HI- 212 -MD-RH	33+850	181295.6482	8891742.7012	MD
679	HI- 213 -MD-RH	33+900	181345.1439	8891749.7257	MD
680	HI- 214 -MD-RH	33+950	181394.0873	8891759.6481	MD
681	HI- 215 -MD-RH	34+000	181442.5822	8891771.7620	MD
682	HI- 216 -MD-RH	34+050	181490.7167	8891785.2614	MD

683	HI- 217 -MD-RH	34+100	181536.7165	8891804.3126	MD
684	HI- 218 -MD-RH	34+150	181584.6825	8891814.5533	MD
685	HI- 219 -MD-RH	34+200	181634.6458	8891814.3910	MD
686	HI- 220 -MD-RH	34+250	181680.9243	8891830.0313	MD
687	HI- 221 -MD-RH	34+300	181725.9473	8891851.7568	MD
688	HI- 222 -MD-RH	34+350	181773.4538	8891866.1782	MD
689	HI- 223 -MD-RH	34+400	181822.5853	8891874.1878	MD
690	HI- 224 -MD-RH	34+450	181872.4816	8891871.7016	MD
691	HI- 225 -MD-RH	34+500	181921.7576	8891863.2760	MD
692	HI- 226 -MD-RH	34+550	181969.4879	8891848.8133	MD
693	HI- 227 -MD-RH	34+600	182016.6994	8891832.3769	MD
694	HI- 228 -MD-RH	34+650	182063.8518	8891815.7709	MD
695	HI- 229 -MD-RH	34+700	182113.0225	8891808.7950	MD
696	HI- 230 -MD-RH	34+750	182158.7615	8891826.2107	MD
697	HI- 231 -MD-RH	34+800	182204.4487	8891846.4468	MD
698	HI- 232 -MD-RH	34+850	182250.9267	8891864.3381	MD
699	HI- 233 -MD-RH	34+900	182300.6817	8891869.1885	MD
700	HI- 234 -MD-RH	34+950	182350.4603	8891870.9574	MD
701	HI- 235 -MD-RH	35+000	182400.2837	8891866.8693	MD
702	HI- 236 -MD-RH	35+050	182449.7567	8891859.8271	MD
703	HI- 237 -MD-RH	35+100	182499.1543	8891852.1492	MD
704	HI- 238 -MD-RH	35+150	182548.7084	8891845.6766	MD
705	HI- 239 -MD-RH	35+200	182598.3987	8891843.4180	MD
706	HI- 240 -MD-RH	35+250	182648.0042	8891849.6110	MD
707	HI- 241 -MD-RH	35+300	182697.5131	8891856.5234	MD
708	HI- 242 -MD-RH	35+350	182746.9573	8891863.8907	MD
709	HI- 243 -MD-RH	35+400	182795.3961	8891875.5702	MD
710	HI- 244 -MD-RH	35+450	182839.7762	8891898.1388	MD
711	HI- 245 -MD-RH	35+500	182876.1255	8891932.4574	MD
712	HI- 246 -MD-RH	35+550	182907.6587	8891971.2308	MD
713	HI- 247 -MD-RH	35+600	182945.4945	8892003.0983	MD
714	HI- 248 -MD-RH	35+650	182988.3831	8892027.9852	MD
715	HI- 249 -MD-RH	35+700	183036.4489	8892041.7225	MD
716	HI- 250 -MD-RH	35+750	183085.0441	8892053.3825	MD
717	HI- 251 -MD-RH	35+800	183133.6708	8892064.9231	MD
718	HI- 252 -MD-RH	35+850	183181.7826	8892078.4976	MD
719	HI- 253 -MD-RH	35+900	183228.5530	8892095.6530	MD
720	HI- 254 -MD-RH	35+950	183273.7422	8892117.0293	MD
721	HI- 255 -MD-RH	36+000	183315.7448	8892144.0284	MD
722	HI- 256 -MD-RH	36+050	183352.4707	8892177.6600	MD
723	HI- 257 -MD-RH	36+100	183387.5843	8892213.2414	MD
724	HI- 258 -MD-RH	36+150	183422.5610	8892248.9574	MD

725	HI- 259 -MD-RH	36+200	183461.5525	8892280.0256	MD
726	HI- 260 -MD-RH	36+250	183504.3638	8892304.8067	MD
727	HI- 261 -MD-RH	36+300	183551.7558	8892320.7123	MD
728	HI- 262 -MD-RH	36+350	183600.0309	8892333.6906	MD
729	HI- 263 -MD-RH	36+400	183648.3115	8892346.6504	MD
730	HI- 264 -MD-RH	36+450	183696.5922	8892359.6102	MD
731	HI- 265 -MD-RH	36+500	183744.8728	8892372.5700	MD
732	HI- 266 -MD-RH	36+550	183793.1533	8892385.5297	MD
733	HI- 267 -MD-RH	36+600	183841.4339	8892398.4894	MD
734	HI- 268 -MD-RH	36+650	183889.7144	8892411.4491	MD
735	HI- 269 -MD-RH	36+700	183936.1636	8892429.2598	MD
736	HI- 270 -MD-RH	36+750	183980.7231	8892451.7810	MD
737	HI- 271 -MD-RH	36+800	184016.7860	8892486.3990	MD
738	HI- 272 -MD-RH	36+850	184052.3364	8892521.5386	MD
739	HI- 273 -MD-RH	36+900	184087.7490	8892556.8208	MD
740	HI- 274 -MD-RH	36+950	184126.3163	8892588.3525	MD
741	HI- 275 -MD-RH	37+000	184167.3072	8892616.9628	MD
742	HI- 276 -MD-RH	37+050	184208.9438	8892644.6274	MD
743	HI- 277 -MD-RH	37+100	184250.5803	8892672.2920	MD
744	HI- 278 -MD-RH	37+150	184292.2168	8892699.9566	MD
745	HI- 279 -MD-RH	37+200	184333.8533	8892727.6211	MD
746	HI- 280 -MD-RH	37+250	184375.4898	8892755.2856	MD
747	HI- 281 -MD-RH	37+300	184417.1263	8892782.9500	MD
748	HI- 282 -MD-RH	37+350	184458.7627	8892810.6144	MD
749	HI- 283 -MD-RH	37+400	184500.3991	8892838.2788	MD
750	HI- 284 -MD-RH	37+450	184541.8292	8892866.2512	MD
751	HI- 285 -MD-RH	37+500	184577.5247	8892900.8830	MD
752	HI- 286 -MD-RH	37+550	184604.6806	8892941.9716	MD
753	HI- 287 -MD-RH	37+600	184622.7326	8892988.4802	MD
754	HI- 288 -MD-RH	37+650	184633.8978	8893037.2063	MD
755	HI- 289 -MD-RH	37+700	184645.0630	8893085.9324	MD
756	HI- 290 -MD-RH	37+750	184656.2282	8893134.6585	MD
757	HI- 291 -MD-RH	37+800	184668.7425	8893183.0497	MD
758	HI- 292 -MD-RH	37+850	184683.6062	8893230.6283	MD
759	HI- 293 -MD-RH	37+900	184704.9387	8893275.8369	MD
760	HI- 294 -MD-RH	37+950	184728.9107	8893319.6962	MD
761	HI- 295 -MD-RH	38+000	184757.9288	8893359.9037	MD
762	HI- 296 -MD-RH	38+050	184792.3380	8893396.1651	MD
763	HI- 297 -MD-RH	38+100	184827.0005	8893432.1844	MD
764	HI- 298 -MD-RH	38+150	184860.9858	8893468.8309	MD
765	HI- 299 -MD-RH	38+200	184894.2405	8893506.1538	MD
766	HI- 300 -MD-RH	38+250	184926.8341	8893544.0544	MD

767	HI- 301 -MD-RH	38+300	184958.6219	8893582.6302	MD
768	HI- 302 -MD-RH	38+350	184986.2661	8893623.9404	MD
769	HI- 303 -MD-RH	38+400	185008.7931	8893668.5651	MD
770	HI- 304 -MD-RH	38+450	185030.2562	8893713.7116	MD
771	HI- 305 -MD-RH	38+500	185050.6234	8893759.3395	MD
772	HI- 306 -MD-RH	38+550	185069.0603	8893805.7942	MD
773	HI- 307 -MD-RH	38+600	185084.8681	8893853.2176	MD
774	HI- 308 -MD-RH	38+650	185103.2074	8893899.6280	MD
775	HI- 309 -MD-RH	38+700	185128.8584	8893942.1952	MD
776	HI- 310 -MD-RH	38+750	185159.3825	8893981.7800	MD
777	HI- 311 -MD-RH	38+800	185192.1480	8894019.4780	MD
778	HI- 312 -MD-RH	38+850	185229.2092	8894053.0238	MD
779	HI- 313 -MD-RH	38+900	185266.3991	8894086.4266	MD
780	HI- 314 -MD-RH	38+950	185299.7830	8894123.5312	MD
781	HI- 315 -MD-RH	39+000	185324.5590	8894166.6473	MD
782	HI- 316 -MD-RH	39+050	185346.0558	8894211.7710	MD
783	HI- 317 -MD-RH	39+100	185368.6152	8894256.2750	MD
784	HI- 318 -MD-RH	39+150	185395.7744	8894298.2368	MD
785	HI- 319 -MD-RH	39+200	185426.0845	8894337.9877	MD
786	HI- 320 -MD-RH	39+250	185456.9411	8894377.2843	MD
787	HI- 321 -MD-RH	39+300	185490.4706	8894414.3599	MD
788	HI- 322 -MD-RH	39+350	185524.3019	8894451.1592	MD
789	HI- 323 -MD-RH	39+400	185559.0977	8894487.0183	MD
790	HI- 324 -MD-RH	39+450	185595.3642	8894521.3991	MD
791	HI- 325 -MD-RH	39+500	185637.6163	8894548.1118	MD
792	HI- 326 -MD-RH	39+550	185680.1109	8894574.4371	MD
793	HI- 327 -MD-RH	39+600	185722.6055	8894600.7623	MD
794	HI- 328 -MD-RH	39+650	185765.1000	8894627.0876	MD
795	HI- 329 -MD-RH	39+700	185807.2712	8894653.9013	MD
796	HI- 330 -MD-RH	39+750	185848.1052	8894682.7350	MD
797	HI- 331 -MD-RH	39+800	185888.4195	8894712.2581	MD
798	HI- 332 -MD-RH	39+850	185926.6727	8894744.3532	MD
799	HI- 333 -MD-RH	39+900	185960.4463	8894781.0962	MD
800	HI- 334 -MD-RH	39+950	185989.2836	8894821.8903	MD
801	HI- 335 -MD-RH	40+000	186012.2743	8894866.2774	MD
802	HI- 336 -MD-RH	40+050	186035.2650	8894910.6644	MD
803	HI- 337 -MD-RH	40+100	186058.4553	8894954.9440	MD
804	HI- 338 -MD-RH	40+150	186082.8457	8894998.5775	MD
805	HI- 339 -MD-RH	40+200	186113.0737	8895038.1785	MD
806	HI- 340 -MD-RH	40+250	186153.1154	8895066.8793	MD
807	HI- 341 -MD-RH	40+300	186174.3797	8895112.1089	MD
808	HI- 342 -MD-RH	40+350	186192.9125	8895158.5342	MD

809	HI- 343 -MD-RH	40+400	186211.4453	8895204.9595	MD
810	HI- 344 -MD-RH	40+450	186229.9781	8895251.3847	MD
811	HI- 345 -MD-RH	40+500	186250.9322	8895296.6429	MD
812	HI- 346 -MD-RH	40+550	186278.3589	8895337.9381	MD
813	HI- 347 -MD-RH	40+600	186315.2575	8895371.6613	MD
814	HI- 348 -MD-RH	40+650	186356.2132	8895400.0896	MD
815	HI- 349 -MD-RH	40+700	186397.2982	8895428.5228	MD
816	HI- 350 -MD-RH	40+750	186433.5625	8895462.1271	MD
817	HI- 351 -MD-RH	40+800	186461.9790	8895503.0721	MD
818	HI- 352 -MD-RH	40+850	186481.9257	8895548.9074	MD
819	HI- 353 -MD-RH	40+900	186504.0511	8895593.7251	MD
820	HI- 354 -MD-RH	40+950	186532.2893	8895634.4015	MD
821	HI- 355 -MD-RH	41+000	186569.2297	8895667.4164	MD
822	HI- 356 -MD-RH	41+050	186611.6541	8895693.8531	MD
823	HI- 357 -MD-RH	41+100	186655.5385	8895717.7839	MD
824	HI- 358 -MD-RH	41+150	186698.6596	8895743.0100	MD
825	HI- 359 -MD-RH	41+200	186738.3063	8895773.0340	MD
826	HI- 360 -MD-RH	41+250	186774.0719	8895807.9559	MD
827	HI- 361 -MD-RH	41+300	186808.0006	8895844.4295	MD
828	HI- 362 -MD-RH	41+350	186836.4467	8895885.5334	MD
829	HI- 363 -MD-RH	41+400	186864.2811	8895927.0541	MD
830	HI- 364 -MD-RH	41+450	186892.1154	8895968.5747	MD
831	HI- 365 -MD-RH	41+500	186918.9544	8896010.7277	MD
832	HI- 366 -MD-RH	41+550	186933.0728	8896057.9901	MD
833	HI- 367 -MD-RH	41+600	186933.9516	8896107.9489	MD
834	HI- 368 -MD-RH	41+650	186946.4169	8896155.7262	MD
835	HI- 369 -MD-RH	41+700	186962.8553	8896202.9307	MD
836	HI- 370 -MD-RH	41+750	186977.9181	8896250.5886	MD
837	HI- 371 -MD-RH	41+800	186992.4509	8896298.4152	MD
838	HI- 372 -MD-RH	41+850	187006.0458	8896346.5180	MD
839	HI- 373 -MD-RH	41+900	187010.2770	8896361.4892	MD

5. COORDENADAS DE LA FAJA MARGINAL IZQUIERDA DEL RIO AIJA - ZONA 18

N°	Código	Coordenadas UTM WGS 84 Z18			Margen
		Progresiva	Este X	Norte Y	
01	HI- 001 -MI-RA	0+000	187241.0228	8896257.8771	MI
02	HI- 002 -MI-RA	0+050	187218.0182	8896301.5674	MI
03	HI- 003 -MI-RA	0+100	187192.3712	8896344.2053	MI
04	HI- 004 -MI-RA	0+150	187161.7110	8896383.7015	MI
05	HI- 005 -MI-RA	0+200	187141.6445	8896427.8459	MI
06	HI- 006 -MI-RA	0+250	187148.5595	8896477.3122	MI

07	HI- 007 -MI-RA	0+300	187157.0965	8896526.5594	MI
08	HI- 008 -MI-RA	0+350	187170.0262	8896574.8512	MI
09	HI- 009 -MI-RA	0+400	187179.8287	8896623.7861	MI
10	HI- 010 -MI-RA	0+450	187178.3411	8896673.6568	MI
11	HI- 011 -MI-RA	0+500	187171.7826	8896723.2247	MI
12	HI- 012 -MI-RA	0+550	187170.1314	8896773.0919	MI
13	HI- 013 -MI-RA	0+600	187173.8963	8896822.9495	MI
14	HI- 014 -MI-RA	0+650	187179.4605	8896872.6346	MI
15	HI- 015 -MI-RA	0+700	187186.3562	8896922.1550	MI
16	HI- 016 -MI-RA	0+750	187199.7701	8896970.2332	MI
17	HI- 017 -MI-RA	0+800	187214.1254	8897018.1055	MI
18	HI- 018 -MI-RA	0+850	187208.1171	8897066.8379	MI
19	HI- 019 -MI-RA	0+900	187183.7217	8897110.3070	MI
20	HI- 020 -MI-RA	0+950	187156.2292	8897151.9712	MI
21	HI- 021 -MI-RA	1+000	187124.2664	8897190.4119	MI
22	HI- 022 -MI-RA	1+050	187096.3963	8897231.8296	MI
23	HI- 023 -MI-RA	1+100	187075.1824	8897277.0888	MI
24	HI- 024 -MI-RA	1+150	187054.8597	8897322.7723	MI
25	HI- 025 -MI-RA	1+200	187035.7648	8897368.9350	MI
26	HI- 026 -MI-RA	1+250	187041.9595	8897417.9516	MI
27	HI- 027 -MI-RA	1+300	187055.3173	8897466.1253	MI
28	HI- 028 -MI-RA	1+350	187071.4755	8897513.4166	MI
29	HI- 029 -MI-RA	1+400	187090.0517	8897559.8096	MI
30	HI- 030 -MI-RA	1+450	187108.0587	8897606.3138	MI
31	HI- 031 -MI-RA	1+500	187120.0078	8897654.7898	MI
32	HI- 032 -MI-RA	1+550	187128.5777	8897704.0445	MI
33	HI- 033 -MI-RA	1+600	187140.5849	8897752.4753	MI
34	HI- 034 -MI-RA	1+650	187154.2195	8897800.4052	MI
35	HI- 035 -MI-RA	1+700	187167.8281	8897848.3335	MI
36	HI- 036 -MI-RA	1+750	187174.5802	8897897.7998	MI
37	HI- 037 -MI-RA	1+800	187182.5663	8897947.1262	MI
38	HI- 038 -MI-RA	1+850	187190.2316	8897996.5264	MI
39	HI- 039 -MI-RA	1+900	187199.0727	8898045.6929	MI
40	HI- 040 -MI-RA	1+950	187207.7986	8898094.8778	MI
41	HI- 041 -MI-RA	2+000	187201.3974	8898143.5660	MI
42	HI- 042 -MI-RA	2+050	187197.8806	8898193.0268	MI
43	HI- 043 -MI-RA	2+100	187216.7440	8898238.6149	MI
44	HI- 044 -MI-RA	2+150	187244.1419	8898279.9467	MI
45	HI- 045 -MI-RA	2+200	187258.8061	8898327.4839	MI
46	HI- 046 -MI-RA	2+250	187243.9126	8898374.0237	MI
47	HI- 047 -MI-RA	2+300	187215.3758	8898414.9424	MI
48	HI- 048 -MI-RA	2+350	187185.5880	8898454.5099	MI

49	HI- 049 -MI-RA	2+400	187186.5579	8898503.6900	MI
50	HI- 050 -MI-RA	2+450	187189.0429	8898553.2979	MI
51	HI- 051 -MI-RA	2+500	187187.7886	8898603.1716	MI
52	HI- 052 -MI-RA	2+550	187189.6750	8898653.0917	MI
53	HI- 053 -MI-RA	2+600	187211.2477	8898697.5314	MI
54	HI- 054 -MI-RA	2+650	187238.2935	8898739.5170	MI
55	HI- 055 -MI-RA	2+700	187258.6069	8898784.3437	MI
56	HI- 056 -MI-RA	2+750	187265.7604	8898833.3335	MI
57	HI- 057 -MI-RA	2+800	187289.8462	8898877.0982	MI
58	HI- 058 -MI-RA	2+850	187315.0723	8898919.5893	MI
59	HI- 059 -MI-RA	2+900	187329.6985	8898967.3127	MI
60	HI- 060 -MI-RA	2+950	187370.3484	8898991.0407	MI
61	HI- 061 -MI-RA	3+000	187414.6405	8899012.7064	MI
62	HI- 062 -MI-RA	3+050	187456.6527	8899039.7754	MI
63	HI- 063 -MI-RA	3+100	187494.8711	8899071.8323	MI
64	HI- 064 -MI-RA	3+150	187533.2512	8899102.8535	MI
65	HI- 065 -MI-RA	3+200	187581.4402	8899115.8570	MI
66	HI- 066 -MI-RA	3+250	187630.0528	8899127.1065	MI
67	HI- 067 -MI-RA	3+300	187679.1088	8899136.1581	MI
68	HI- 068 -MI-RA	3+350	187728.4863	8899143.6508	MI
69	HI- 069 -MI-RA	3+400	187778.2620	8899148.2143	MI
70	HI- 070 -MI-RA	3+450	187827.8285	8899154.5895	MI
71	HI- 071 -MI-RA	3+500	187877.6423	8899157.8488	MI
72	HI- 072 -MI-RA	3+550	187921.1790	8899180.5239	MI
73	HI- 073 -MI-RA	3+600	187963.5335	8899205.5569	MI
74	HI- 074 -MI-RA	3+650	188001.8667	8899237.6477	MI
75	HI- 075 -MI-RA	3+700	188030.6925	8899276.9013	MI
76	HI- 076 -MI-RA	3+750	188072.8472	8899303.7345	MI
77	HI- 077 -MI-RA	3+800	188114.2347	8899331.7397	MI
78	HI- 078 -MI-RA	3+850	188152.7524	8899363.4833	MI
79	HI- 079 -MI-RA	3+900	188196.5816	8899387.5362	MI
80	HI- 080 -MI-RA	3+950	188239.1384	8899413.7831	MI
81	HI- 081 -MI-RA	4+000	188280.5720	8899441.5983	MI
82	HI- 082 -MI-RA	4+050	188312.4073	8899479.5017	MI
83	HI- 083 -MI-RA	4+100	188337.9072	8899522.4951	MI
84	HI- 084 -MI-RA	4+150	188374.5167	8899555.9967	MI
85	HI- 085 -MI-RA	4+200	188411.8785	8899589.1362	MI
86	HI- 086 -MI-RA	4+250	188442.5237	8899627.7655	MI
87	HI- 087 -MI-RA	4+300	188467.1304	8899670.9636	MI
88	HI- 088 -MI-RA	4+350	188494.8735	8899712.5560	MI
89	HI- 089 -MI-RA	4+400	188525.6019	8899750.6428	MI
90	HI- 090 -MI-RA	4+450	188539.5820	8899798.6482	MI

91	HI- 091 -MI-RA	4+500	188564.3060	8899841.3436	MI
92	HI- 092 -MI-RA	4+550	188592.2340	8899882.7991	MI
93	HI- 093 -MI-RA	4+600	188614.7940	8899927.2496	MI
94	HI- 094 -MI-RA	4+650	188640.2749	8899970.1612	MI
95	HI- 095 -MI-RA	4+700	188668.8407	8900011.1390	MI
96	HI- 096 -MI-RA	4+750	188692.7932	8900055.0283	MI
97	HI- 097 -MI-RA	4+800	188711.2021	8900100.9543	MI
98	HI- 098 -MI-RA	4+850	188697.0896	8900147.6680	MI
99	HI- 099 -MI-RA	4+900	188670.9187	8900189.5457	MI
100	HI- 100 -MI-RA	4+950	188629.0496	8900216.8629	MI
101	HI- 101 -MI-RA	5+000	188611.7969	8900259.7223	MI
102	HI- 102 -MI-RA	5+050	188624.8761	8900307.8465	MI
103	HI- 103 -MI-RA	5+100	188645.7748	8900353.2318	MI
104	HI- 104 -MI-RA	5+150	188673.6129	8900394.6181	MI
105	HI- 105 -MI-RA	5+200	188694.6720	8900439.9443	MI
106	HI- 106 -MI-RA	5+250	188712.7609	8900486.5355	MI
107	HI- 107 -MI-RA	5+300	188732.5979	8900532.2829	MI
108	HI- 108 -MI-RA	5+350	188759.5531	8900574.1607	MI
109	HI- 109 -MI-RA	5+400	188788.3586	8900614.9924	MI
110	HI- 110 -MI-RA	5+450	188814.7840	8900657.4229	MI
111	HI- 111 -MI-RA	5+500	188837.1043	8900701.9800	MI
112	HI- 112 -MI-RA	5+550	188847.9219	8900750.2816	MI
113	HI- 113 -MI-RA	5+600	188856.7441	8900799.2386	MI
114	HI- 114 -MI-RA	5+650	188878.1280	8900843.7264	MI
115	HI- 115 -MI-RA	5+700	188910.1507	8900881.9930	MI
116	HI- 116 -MI-RA	5+750	188928.3774	8900926.9239	MI
117	HI- 117 -MI-RA	5+800	188945.2559	8900973.0778	MI
118	HI- 118 -MI-RA	5+850	188982.2003	8901006.0922	MI
119	HI- 119 -MI-RA	5+900	189012.9613	8901042.3730	MI
120	HI- 120 -MI-RA	5+950	189029.4385	8901089.3745	MI
121	HI- 121 -MI-RA	6+000	189045.1129	8901136.7761	MI
122	HI- 122 -MI-RA	6+050	189068.4962	8901180.9059	MI
123	HI- 123 -MI-RA	6+100	189098.6080	8901220.6008	MI
124	HI- 124 -MI-RA	6+150	189123.3669	8901263.7646	MI
125	HI- 125 -MI-RA	6+200	189151.0326	8901305.3676	MI
126	HI- 126 -MI-RA	6+250	189181.7415	8901344.8260	MI
127	HI- 127 -MI-RA	6+300	189210.2684	8901385.8742	MI
128	HI- 128 -MI-RA	6+350	189233.7800	8901429.8223	MI
129	HI- 129 -MI-RA	6+400	189251.8193	8901476.3684	MI
130	HI- 130 -MI-RA	6+450	189265.1661	8901524.4663	MI
131	HI- 131 -MI-RA	6+500	189273.7474	8901573.6887	MI
132	HI- 132 -MI-RA	6+550	189279.6213	8901623.3411	MI

133	HI- 133 -MI-RA	6+600	189285.3939	8901672.9366	MI
134	HI- 134 -MI-RA	6+650	189295.0547	8901721.9114	MI
135	HI- 135 -MI-RA	6+700	189298.8255	8901771.7690	MI
136	HI- 136 -MI-RA	6+750	189305.2694	8901821.3298	MI
137	HI- 137 -MI-RA	6+800	189313.1473	8901870.6978	MI
138	HI- 138 -MI-RA	6+850	189320.5404	8901920.1139	MI
139	HI- 139 -MI-RA	6+900	189325.9110	8901969.8247	MI
140	HI- 140 -MI-RA	6+950	189333.4927	8902019.2072	MI
141	HI- 141 -MI-RA	7+000	189343.2463	8902068.2436	MI
142	HI- 142 -MI-RA	7+050	189361.8475	8902113.2322	MI
143	HI- 143 -MI-RA	7+100	189393.0292	8902152.3146	MI
144	HI- 144 -MI-RA	7+150	189417.2073	8902195.7120	MI
145	HI- 145 -MI-RA	7+200	189436.0802	8902242.0048	MI
146	HI- 146 -MI-RA	7+250	189455.3624	8902288.1342	MI
147	HI- 147 -MI-RA	7+300	189479.9472	8902331.4801	MI
148	HI- 148 -MI-RA	7+350	189511.2949	8902370.0101	MI
149	HI- 149 -MI-RA	7+400	189538.7641	8902410.8831	MI
150	HI- 150 -MI-RA	7+450	189580.8657	8902437.6032	MI
151	HI- 151 -MI-RA	7+500	189613.5171	8902475.2407	MI
152	HI- 152 -MI-RA	7+550	189643.7882	8902515.0335	MI
153	HI- 153 -MI-RA	7+600	189676.7258	8902552.5863	MI
154	HI- 154 -MI-RA	7+650	189714.1432	8902585.7278	MI
155	HI- 155 -MI-RA	7+700	189755.3099	8902613.8174	MI
156	HI- 156 -MI-RA	7+750	189799.1720	8902637.5967	MI
157	HI- 157 -MI-RA	7+800	189842.6742	8902661.9923	MI
158	HI- 158 -MI-RA	7+850	189890.4883	8902676.0356	MI
159	HI- 159 -MI-RA	7+900	189939.7789	8902684.4165	MI
160	HI- 160 -MI-RA	7+950	189988.2106	8902696.5026	MI
161	HI- 161 -MI-RA	8+000	190033.1319	8902717.7653	MI
162	HI- 162 -MI-RA	8+050	190076.5876	8902742.4947	MI
163	HI- 163 -MI-RA	8+100	190120.1952	8902766.9562	MI
164	HI- 164 -MI-RA	8+150	190157.4091	8902800.1109	MI
165	HI- 165 -MI-RA	8+200	190201.8696	8902820.9618	MI
166	HI- 166 -MI-RA	8+250	190248.4387	8902839.0389	MI
167	HI- 167 -MI-RA	8+300	190290.3965	8902865.7955	MI
168	HI- 168 -MI-RA	8+350	190319.3376	8902905.7808	MI
169	HI- 169 -MI-RA	8+400	190341.8673	8902950.4138	MI
170	HI- 170 -MI-RA	8+450	190366.1615	8902993.8284	MI
171	HI- 171 -MI-RA	8+500	190380.4190	8903041.6422	MI
172	HI- 172 -MI-RA	8+550	190385.7931	8903091.1598	MI
173	HI- 173 -MI-RA	8+600	190411.3437	8903133.2840	MI
174	HI- 174 -MI-RA	8+650	190452.6793	8903161.4152	MI

175	HI- 175 -MI-RA	8+700	190491.7855	8903192.4919	MI
176	HI- 176 -MI-RA	8+750	190526.7831	8903228.1881	MI
177	HI- 177 -MI-RA	8+800	190560.0655	8903265.4937	MI
178	HI- 178 -MI-RA	8+850	190598.5778	8903296.7541	MI
179	HI- 179 -MI-RA	8+900	190646.0295	8903306.0637	MI
180	HI- 180 -MI-RA	8+950	190692.4927	8903321.6883	MI
181	HI- 181 -MI-RA	9+000	190737.9413	8903337.0904	MI
182	HI- 182 -MI-RA	9+050	190787.1067	8903345.0766	MI
183	HI- 183 -MI-RA	9+100	190833.1450	8903364.0324	MI
184	HI- 184 -MI-RA	9+150	190881.8605	8903371.0237	MI
185	HI- 185 -MI-RA	9+200	190928.5639	8903388.2409	MI
186	HI- 186 -MI-RA	9+250	190971.9350	8903413.1195	MI
187	HI- 187 -MI-RA	9+300	191003.1526	8903452.0973	MI
188	HI- 188 -MI-RA	9+350	191036.3005	8903489.5133	MI
189	HI- 189 -MI-RA	9+400	191064.1836	8903530.9034	MI
190	HI- 190 -MI-RA	9+450	191084.0413	8903576.5976	MI
191	HI- 191 -MI-RA	9+500	191098.8599	8903623.4311	MI
192	HI- 192 -MI-RA	9+550	191145.5023	8903636.7399	MI
193	HI- 193 -MI-RA	9+600	191193.4410	8903650.6074	MI
194	HI- 194 -MI-RA	9+650	191241.4745	8903663.7714	MI
195	HI- 195 -MI-RA	9+700	191285.1952	8903687.6107	MI
196	HI- 196 -MI-RA	9+750	191333.1625	8903701.5214	MI
197	HI- 197 -MI-RA	9+800	191381.4621	8903714.1437	MI
198	HI- 198 -MI-RA	9+850	191428.6336	8903730.4207	MI
199	HI- 199 -MI-RA	9+900	191477.3691	8903727.4399	MI
200	HI- 200 -MI-RA	9+950	191524.2133	8903710.8623	MI
201	HI- 201 -MI-RA	10+000	191567.6783	8903686.4500	MI
202	HI- 202 -MI-RA	10+050	191616.8578	8903682.6096	MI
203	HI- 203 -MI-RA	10+100	191666.7170	8903678.9201	MI
204	HI- 204 -MI-RA	10+150	191714.7118	8903665.2712	MI
205	HI- 205 -MI-RA	10+200	191756.9853	8903639.6937	MI
206	HI- 206 -MI-RA	10+250	191793.1300	8903605.2576	MI
207	HI- 207 -MI-RA	10+300	191831.3694	8903573.1054	MI
208	HI- 208 -MI-RA	10+350	191875.7624	8903551.2676	MI
209	HI- 209 -MI-RA	10+400	191923.1041	8903535.2316	MI
210	HI- 210 -MI-RA	10+450	191968.5936	8903514.9032	MI
211	HI- 211 -MI-RA	10+500	192018.2579	8903518.4431	MI
212	HI- 212 -MI-RA	10+550	192064.9923	8903535.9385	MI
213	HI- 213 -MI-RA	10+600	192110.7426	8903555.9764	MI
214	HI- 214 -MI-RA	10+650	192158.0495	8903572.0378	MI
215	HI- 215 -MI-RA	10+700	192202.4970	8903594.9381	MI
216	HI- 216 -MI-RA	10+750	192248.5506	8903614.0370	MI

217	HI- 217 -MI-RA	10+800	192293.0825	8903635.1731	MI
218	HI- 218 -MI-RA	10+850	192340.7472	8903623.0183	MI
219	HI- 219 -MI-RA	10+900	192390.3117	8903620.6970	MI
220	HI- 220 -MI-RA	10+950	192439.7495	8903614.5829	MI
221	HI- 221 -MI-RA	11+000	192487.4297	8903599.5509	MI
222	HI- 222 -MI-RA	11+050	192534.1753	8903581.9224	MI
223	HI- 223 -MI-RA	11+100	192575.6643	8903554.5475	MI
224	HI- 224 -MI-RA	11+150	192619.9299	8903531.4519	MI
225	HI- 225 -MI-RA	11+200	192666.5897	8903513.5141	MI
226	HI- 226 -MI-RA	11+250	192714.2059	8903498.6989	MI
227	HI- 227 -MI-RA	11+300	192764.1445	8903496.2231	MI
228	HI- 228 -MI-RA	11+350	192812.9663	8903506.4275	MI
229	HI- 229 -MI-RA	11+400	192860.9004	8903511.3065	MI
230	HI- 230 -MI-RA	11+450	192901.9503	8903483.5517	MI
231	HI- 231 -MI-RA	11+500	192934.3213	8903445.4657	MI
232	HI- 232 -MI-RA	11+550	192966.4616	8903407.2274	MI
233	HI- 233 -MI-RA	11+600	193006.7201	8903378.0323	MI
234	HI- 234 -MI-RA	11+650	193052.9538	8903359.3297	MI
235	HI- 235 -MI-RA	11+700	193101.8604	8903352.9177	MI
236	HI- 236 -MI-RA	11+750	193149.1578	8903364.9795	MI
237	HI- 237 -MI-RA	11+800	193186.9913	8903395.0746	MI
238	HI- 238 -MI-RA	11+850	193202.9283	8903442.4561	MI
239	HI- 239 -MI-RA	11+900	193242.6810	8903466.7437	MI
240	HI- 240 -MI-RA	11+950	193286.0733	8903491.5797	MI
241	HI- 241 -MI-RA	12+000	193334.2228	8903500.1879	MI
242	HI- 242 -MI-RA	12+050	193381.9903	8903486.8305	MI
243	HI- 243 -MI-RA	12+100	193427.5279	8903466.1915	MI
244	HI- 244 -MI-RA	12+150	193474.0873	8903476.9881	MI
245	HI- 245 -MI-RA	12+200	193502.1224	8903487.2520	MI
246	HI- 246 -MI-RA	12+250	193542.6285	8903468.8641	MI
247	HI- 247 -MI-RA	12+300	193587.7462	8903488.6613	MI
248	HI- 248 -MI-RA	12+350	193618.5020	8903528.0731	MI
249	HI- 249 -MI-RA	12+400	193649.7919	8903566.7198	MI
250	HI- 250 -MI-RA	12+450	193694.8932	8903566.4792	MI
251	HI- 251 -MI-RA	12+500	193742.3570	8903550.7702	MI
252	HI- 252 -MI-RA	12+550	193790.2464	8903536.7972	MI
253	HI- 253 -MI-RA	12+600	193839.6518	8903534.6678	MI
254	HI- 254 -MI-RA	12+650	193888.1748	8903545.5312	MI
255	HI- 255 -MI-RA	12+700	193938.1189	8903547.8779	MI
256	HI- 256 -MI-RA	12+750	193986.5879	8903559.6884	MI
257	HI- 257 -MI-RA	12+800	194033.3835	8903571.9417	MI
258	HI- 258 -MI-RA	12+850	194081.4401	8903572.9826	MI

259	HI- 259 -MI-RA	12+900	194122.9568	8903600.3152	MI
260	HI- 260 -MI-RA	12+950	194158.7235	8903635.2054	MI
261	HI- 261 -MI-RA	13+000	194198.0729	8903665.5205	MI
262	HI- 262 -MI-RA	13+050	194244.9775	8903679.3193	MI
263	HI- 263 -MI-RA	13+100	194291.9027	8903696.2708	MI
264	HI- 264 -MI-RA	13+150	194337.4449	8903716.8278	MI
265	HI- 265 -MI-RA	13+200	194385.0186	8903732.0910	MI
266	HI- 266 -MI-RA	13+250	194432.4768	8903747.8276	MI
267	HI- 267 -MI-RA	13+300	194479.7645	8903764.0417	MI
268	HI- 268 -MI-RA	13+350	194525.4848	8903784.1857	MI
269	HI- 269 -MI-RA	13+400	194569.1930	8903808.3386	MI
270	HI- 270 -MI-RA	13+450	194605.2193	8903842.6351	MI
271	HI- 271 -MI-RA	13+500	194645.6312	8903872.0591	MI
272	HI- 272 -MI-RA	13+550	194694.4173	8903881.3031	MI
273	HI- 273 -MI-RA	13+600	194743.8586	8903874.7680	MI
274	HI- 274 -MI-RA	13+650	194791.4000	8903859.4104	MI
275	HI- 275 -MI-RA	13+700	194835.5307	8903835.9253	MI
276	HI- 276 -MI-RA	13+750	194880.7343	8903814.7850	MI
277	HI- 277 -MI-RA	13+800	194928.7336	8903800.8054	MI
278	HI- 278 -MI-RA	13+850	194977.5326	8903790.5501	MI
279	HI- 279 -MI-RA	13+900	195027.0668	8903793.7019	MI
280	HI- 280 -MI-RA	13+950	195072.0282	8903814.0979	MI
281	HI- 281 -MI-RA	14+000	195110.7637	8903845.7058	MI
282	HI- 282 -MI-RA	14+050	195147.6081	8903878.3117	MI
283	HI- 283 -MI-RA	14+100	195189.9298	8903903.0942	MI
284	HI- 284 -MI-RA	14+150	195215.9020	8903944.5661	MI
285	HI- 285 -MI-RA	14+200	195258.4664	8903967.7772	MI
286	HI- 286 -MI-RA	14+250	195277.1384	8904006.7061	MI
287	HI- 287 -MI-RA	14+300	195256.9423	8904051.9510	MI
288	HI- 288 -MI-RA	14+350	195246.4546	8904100.8166	MI
289	HI- 289 -MI-RA	14+400	195235.3919	8904149.5439	MI
290	HI- 290 -MI-RA	14+450	195231.2325	8904199.2529	MI
291	HI- 291 -MI-RA	14+500	195234.4162	8904249.0016	MI
292	HI- 292 -MI-RA	14+550	195235.1967	8904298.5414	MI
293	HI- 293 -MI-RA	14+600	195227.1249	8904347.8286	MI
294	HI- 294 -MI-RA	14+650	195226.4894	8904397.3456	MI
295	HI- 295 -MI-RA	14+700	195268.9446	8904422.9325	MI
296	HI- 296 -MI-RA	14+750	195311.9928	8904447.3714	MI
297	HI- 297 -MI-RA	14+800	195345.6456	8904484.1073	MI
298	HI- 298 -MI-RA	14+850	195392.3287	8904498.3200	MI
299	HI- 299 -MI-RA	14+900	195442.1927	8904496.8159	MI
300	HI- 300 -MI-RA	14+950	195492.1495	8904498.7284	MI

301	HI- 301 -MI-RA	15+000	195541.3817	8904505.8892	MI
302	HI- 302 -MI-RA	15+050	195583.6203	8904531.2568	MI
303	HI- 303 -MI-RA	15+100	195610.9828	8904572.1718	MI
304	HI- 304 -MI-RA	15+150	195601.4753	8904616.4721	MI
305	HI- 305 -MI-RA	15+200	195566.4926	8904652.1474	MI
306	HI- 306 -MI-RA	15+250	195529.2686	8904685.3678	MI
307	HI- 307 -MI-RA	15+300	195500.8335	8904726.3684	MI
308	HI- 308 -MI-RA	15+350	195492.3968	8904774.5864	MI
309	HI- 309 -MI-RA	15+400	195512.2328	8904820.2753	MI
310	HI- 310 -MI-RA	15+450	195538.3110	8904862.8920	MI
311	HI- 311 -MI-RA	15+500	195569.5173	8904901.7421	MI
312	HI- 312 -MI-RA	15+550	195602.3513	8904938.9215	MI
313	HI- 313 -MI-RA	15+600	195630.7946	8904979.8985	MI
314	HI- 314 -MI-RA	15+650	195663.5299	8905017.6900	MI
315	HI- 315 -MI-RA	15+700	195694.5285	8905056.8237	MI
316	HI- 316 -MI-RA	15+750	195718.3420	8905100.3392	MI
317	HI- 317 -MI-RA	15+800	195737.0744	8905146.6418	MI
318	HI- 318 -MI-RA	15+850	195755.4314	8905192.9834	MI
319	HI- 319 -MI-RA	15+900	195746.9449	8905240.8067	MI
320	HI- 320 -MI-RA	15+950	195728.3802	8905287.1755	MI
321	HI- 321 -MI-RA	16+000	195698.3954	8905326.5719	MI
322	HI- 322 -MI-RA	16+050	195661.8582	8905360.6798	MI
323	HI- 323 -MI-RA	16+100	195633.7274	8905400.3676	MI
324	HI- 324 -MI-RA	16+150	195682.6254	8905393.5866	MI
325	HI- 325 -MI-RA	16+200	195728.5185	8905374.4683	MI
326	HI- 326 -MI-RA	16+250	195775.9605	8905359.0210	MI
327	HI- 327 -MI-RA	16+300	195825.1675	8905357.9452	MI
328	HI- 328 -MI-RA	16+350	195868.0793	8905382.0463	MI
329	HI- 329 -MI-RA	16+400	195893.3485	8905424.6438	MI
330	HI- 330 -MI-RA	16+450	195913.3471	8905470.3602	MI
331	HI- 331 -MI-RA	16+500	195948.5114	8905499.5949	MI
332	HI- 332 -MI-RA	16+550	195997.6325	8905492.8597	MI
333	HI- 333 -MI-RA	16+600	196045.9885	8905480.2756	MI
334	HI- 334 -MI-RA	16+650	196095.2512	8905471.8435	MI
335	HI- 335 -MI-RA	16+700	196144.1004	8905461.2343	MI
336	HI- 336 -MI-RA	16+750	196191.7529	8905470.9900	MI
337	HI- 337 -MI-RA	16+800	196240.1342	8905483.6091	MI
338	HI- 338 -MI-RA	16+850	196290.0242	8905486.2951	MI
339	HI- 339 -MI-RA	16+900	196339.3659	8905494.2347	MI
340	HI- 340 -MI-RA	16+950	196388.0275	8905504.6146	MI
341	HI- 341 -MI-RA	17+000	196436.9769	8905495.4367	MI
342	HI- 342 -MI-RA	17+050	196483.5882	8905477.4330	MI

343	HI- 343 -MI-RA	17+100	196528.9874	8905456.5544	MI
344	HI- 344 -MI-RA	17+150	196577.5533	8905450.4914	MI
345	HI- 345 -MI-RA	17+200	196619.6522	8905476.2801	MI
346	HI- 346 -MI-RA	17+250	196635.0335	8905520.2580	MI
347	HI- 347 -MI-RA	17+300	196657.7507	8905559.0600	MI
348	HI- 348 -MI-RA	17+350	196697.3081	8905586.9653	MI
349	HI- 349 -MI-RA	17+400	196708.8400	8905633.0546	MI
350	HI- 350 -MI-RA	17+450	196694.6639	8905680.9951	MI
351	HI- 351 -MI-RA	17+500	196683.0169	8905729.2072	MI
352	HI- 352 -MI-RA	17+550	196683.6478	8905779.0127	MI
353	HI- 353 -MI-RA	17+600	196673.3761	8905827.0463	MI
354	HI- 354 -MI-RA	17+650	196668.5966	8905876.6381	MI
355	HI- 355 -MI-RA	17+700	196666.9263	8905926.5892	MI
356	HI- 356 -MI-RA	17+750	196662.7063	8905976.4065	MI
357	HI- 357 -MI-RA	17+800	196664.4104	8906025.9439	MI
358	HI- 358 -MI-RA	17+850	196666.2364	8906075.5865	MI
359	HI- 359 -MI-RA	17+900	196653.7881	8906123.1787	MI
360	HI- 360 -MI-RA	17+950	196651.6266	8906173.1096	MI
361	HI- 361 -MI-RA	18+000	196659.3834	8906222.0644	MI
362	HI- 362 -MI-RA	18+050	196683.7621	8906263.7781	MI
363	HI- 363 -MI-RA	18+100	196713.4973	8906303.5909	MI
364	HI- 364 -MI-RA	18+150	196712.3015	8906353.2242	MI
365	HI- 365 -MI-RA	18+200	196710.1194	8906402.6667	MI
366	HI- 366 -MI-RA	18+250	196703.7998	8906452.2362	MI
367	HI- 367 -MI-RA	18+300	196702.0405	8906502.0788	MI
368	HI- 368 -MI-RA	18+350	196712.4854	8906550.3599	MI
369	HI- 369 -MI-RA	18+400	196732.5240	8906596.1678	MI
370	HI- 370 -MI-RA	18+450	196742.1880	8906644.7046	MI
371	HI- 371 -MI-RA	18+500	196741.5574	8906694.6049	MI
372	HI- 372 -MI-RA	18+550	196748.9636	8906743.0674	MI
373	HI- 373 -MI-RA	18+600	196745.4333	8906792.8695	MI
374	HI- 374 -MI-RA	18+650	196750.6554	8906842.0930	MI
375	HI- 375 -MI-RA	18+700	196764.7228	8906890.0732	MI
376	HI- 376 -MI-RA	18+750	196791.0359	8906929.1803	MI
377	HI- 377 -MI-RA	18+800	196800.3421	8906978.2849	MI
378	HI- 378 -MI-RA	18+850	196792.5208	8907026.3162	MI
379	HI- 379 -MI-RA	18+900	196784.7278	8907075.6656	MI
380	HI- 380 -MI-RA	18+950	196793.8118	8907124.6105	MI
381	HI- 381 -MI-RA	19+000	196804.9452	8907172.8053	MI
382	HI- 382 -MI-RA	19+050	196814.8721	8907221.6261	MI
383	HI- 383 -MI-RA	19+100	196817.6982	8907271.4295	MI
384	HI- 384 -MI-RA	19+150	196811.9643	8907321.0937	MI

385	HI- 385 -MI-RA	19+200	196815.3560	8907370.0536	MI
386	HI- 386 -MI-RA	19+250	196832.0990	8907416.8386	MI
387	HI- 387 -MI-RA	19+300	196828.1528	8907466.3773	MI
388	HI- 388 -MI-RA	19+350	196835.2069	8907512.1074	MI
389	HI- 389 -MI-RA	19+400	196866.4047	8907550.6923	MI
390	HI- 390 -MI-RA	19+450	196903.1267	8907584.5736	MI
391	HI- 391 -MI-RA	19+500	196947.2615	8907599.5282	MI
392	HI- 392 -MI-RA	19+550	196997.0142	8907603.4771	MI
393	HI- 393 -MI-RA	19+600	197045.5741	8907614.3966	MI
394	HI- 394 -MI-RA	19+650	197081.9498	8907641.5394	MI
395	HI- 395 -MI-RA	19+700	197104.1639	8907685.9470	MI
396	HI- 396 -MI-RA	19+750	197132.7304	8907726.9539	MI
397	HI- 397 -MI-RA	19+800	197158.3231	8907769.8820	MI
398	HI- 398 -MI-RA	19+850	197180.3246	8907814.7812	MI
399	HI- 399 -MI-RA	19+900	197221.7171	8907842.1456	MI
400	HI- 400 -MI-RA	19+950	197264.2040	8907868.5058	MI
401	HI- 401 -MI-RA	20+000	197308.2146	8907891.9813	MI
402	HI- 402 -MI-RA	20+050	197351.0360	8907916.9405	MI
403	HI- 403 -MI-RA	20+100	197389.7804	8907948.5454	MI
404	HI- 404 -MI-RA	20+150	197428.4811	8907980.2038	MI
405	HI- 405 -MI-RA	20+200	197473.1063	8907999.2661	MI
406	HI- 406 -MI-RA	20+250	197522.2830	8908007.3697	MI
407	HI- 407 -MI-RA	20+300	197566.3535	8908029.8853	MI
408	HI- 408 -MI-RA	20+350	197612.9359	8908047.692	MI
409	HI- 409 -MI-RA	20+400	197657.5738	8908070.137	MI
410	HI- 410 -MI-RA	20+450	197700.7307	8908095.163	MI
411	HI- 411 -MI-RA	20+500	197741.3863	8908124.262	MI
412	HI- 412 -MI-RA	20+550	197780.192	8908155.791	MI
413	HI- 413 -MI-RA	20+600	197818.7126	8908187.667	MI
414	HI- 414 -MI-RA	20+650	197858.5744	8908217.75	MI
415	HI- 415 -MI-RA	20+700	197899.7167	8908246.148	MI
416	HI- 416 -MI-RA	20+750	197939.5813	8908276.318	MI
417	HI- 417 -MI-RA	20+800	197984.2016	8908298.799	MI
418	HI- 418 -MI-RA	20+850	198024.9342	8908327.756	MI
419	HI- 419 -MI-RA	20+900	198058.2997	8908364.264	MI
420	HI- 420 -MI-RA	20+950	198085.7584	8908406.048	MI
421	HI- 421 -MI-RA	21+000	198127.2659	8908433.818	MI
422	HI- 422 -MI-RA	21+050	198176.1647	8908443.43	MI
423	HI- 423 -MI-RA	21+100	198224.3115	8908453.654	MI
424	HI- 424 -MI-RA	21+150	198274.2158	8908450.641	MI
425	HI- 425 -MI-RA	21+200	198323.7398	8908455.177	MI
426	HI- 426 -MI-RA	21+250	198372.7063	8908465.174	MI

427	HI- 427 -MI-RA	21+300	198423.2669	8908480.184	MI
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6. COORDENADAS DE LA FAJA MARGINAL DERECHA DEL RIO AIJA - ZONA 18

N°	Código	Coordenadas UTM WGS 84 Z18			Margen
		Progresiva	Este X	Norte Y	
01	HI- 001 -MD-RA	0+000	187179.9493	8896239.6482	MD
02	HI- 002 -MD-RA	0+050	187150.4938	8896278.4595	MD
03	HI- 003 -MD-RA	0+100	187121.0685	8896318.5636	MD
04	HI- 004 -MD-RA	0+150	187092.9925	8896359.6275	MD
05	HI- 005 -MD-RA	0+200	187067.5131	8896401.8851	MD
06	HI- 006 -MD-RA	0+250	187065.9842	8896451.2373	MD
07	HI- 007 -MD-RA	0+300	187074.9104	8896500.2988	MD
08	HI- 008 -MD-RA	0+350	187086.5912	8896548.8897	MD
09	HI- 009 -MD-RA	0+400	187088.3682	8896598.1839	MD
10	HI- 010 -MD-RA	0+450	187078.5085	8896647.1609	MD
11	HI- 011 -MD-RA	0+500	187068.6366	8896695.9619	MD
12	HI- 012 -MD-RA	0+550	187053.6483	8896743.6619	MD
13	HI- 013 -MD-RA	0+600	187058.5703	8896791.8635	MD
14	HI- 014 -MD-RA	0+650	187086.0244	8896833.3515	MD
15	HI- 015 -MD-RA	0+700	187107.8411	8896876.4682	MD
16	HI- 016 -MD-RA	0+750	187112.0716	8896926.1625	MD
17	HI- 017 -MD-RA	0+800	187111.9206	8896975.4877	MD
18	HI- 018 -MD-RA	0+850	187106.3390	8897024.7884	MD
19	HI- 019 -MD-RA	0+900	187106.5783	8897074.7699	MD
20	HI- 020 -MD-RA	0+950	187096.7048	8897123.4192	MD
21	HI- 021 -MD-RA	1+000	187064.0119	8897161.2391	MD
22	HI- 022 -MD-RA	1+050	187036.5457	8897202.5502	MD
23	HI- 023 -MD-RA	1+100	187013.9699	8897246.8269	MD
24	HI- 024 -MD-RA	1+150	186994.9520	8897292.8856	MD
25	HI- 025 -MD-RA	1+200	186980.0322	8897340.1294	MD
26	HI- 026 -MD-RA	1+250	186977.5002	8897390.0354	MD
27	HI- 027 -MD-RA	1+300	186980.5928	8897439.8964	MD
28	HI- 028 -MD-RA	1+350	186989.3034	8897488.8921	MD
29	HI- 029 -MD-RA	1+400	187006.9378	8897535.6666	MD
30	HI- 030 -MD-RA	1+450	187023.7943	8897582.6684	MD
31	HI- 031 -MD-RA	1+500	187044.6666	8897627.9942	MD
32	HI- 032 -MD-RA	1+550	187039.6892	8897677.5411	MD
33	HI- 033 -MD-RA	1+600	187039.9775	8897727.4512	MD
34	HI- 034 -MD-RA	1+650	187030.2974	8897776.3492	MD
35	HI- 035 -MD-RA	1+700	187035.1730	8897825.8573	MD
36	HI- 036 -MD-RA	1+750	187050.3446	8897873.3612	MD

37	HI- 037 -MD-RA	1+800	187068.5579	8897919.9136	MD
38	HI- 038 -MD-RA	1+850	187089.8878	8897965.1054	MD
39	HI- 039 -MD-RA	1+900	187109.9808	8898010.7372	MD
40	HI- 040 -MD-RA	1+950	187126.8819	8898057.5876	MD
41	HI- 041 -MD-RA	2+000	187142.3342	8898104.9708	MD
42	HI- 042 -MD-RA	2+050	187128.7864	8898152.4788	MD
43	HI- 043 -MD-RA	2+100	187122.7578	8898201.5206	MD
44	HI- 044 -MD-RA	2+150	187133.5839	8898250.1936	MD
45	HI- 045 -MD-RA	2+200	187161.0333	8898291.3646	MD
46	HI- 046 -MD-RA	2+250	187182.0052	8898331.0222	MD
47	HI- 047 -MD-RA	2+300	187163.7173	8898376.2180	MD
48	HI- 048 -MD-RA	2+350	187126.9319	8898409.9455	MD
49	HI- 049 -MD-RA	2+400	187107.9532	8898455.0264	MD
50	HI- 050 -MD-RA	2+450	187108.4388	8898504.9527	MD
51	HI- 051 -MD-RA	2+500	187112.9867	8898553.9287	MD
52	HI- 052 -MD-RA	2+550	187099.9327	8898602.1810	MD
53	HI- 053 -MD-RA	2+600	187107.5417	8898650.4499	MD
54	HI- 054 -MD-RA	2+650	187126.8020	8898696.3845	MD
55	HI- 055 -MD-RA	2+700	187143.4387	8898742.7120	MD
56	HI- 056 -MD-RA	2+750	187173.4074	8898781.7439	MD
57	HI- 057 -MD-RA	2+800	187182.1891	8898826.2312	MD
58	HI- 058 -MD-RA	2+850	187206.0915	8898869.2826	MD
59	HI- 059 -MD-RA	2+900	187216.5269	8898915.3204	MD
60	HI- 060 -MD-RA	2+950	187223.3184	8898964.8311	MD
61	HI- 061 -MD-RA	3+000	187247.4219	8899008.2017	MD
62	HI- 062 -MD-RA	3+050	187279.9854	8899046.1068	MD
63	HI- 063 -MD-RA	3+100	187318.2166	8899078.0001	MD
64	HI- 064 -MD-RA	3+150	187362.4822	8899101.0457	MD
65	HI- 065 -MD-RA	3+200	187395.2432	8899137.4907	MD
66	HI- 066 -MD-RA	3+250	187424.7437	8899175.7726	MD
67	HI- 067 -MD-RA	3+300	187473.4187	8899186.9140	MD
68	HI- 068 -MD-RA	3+350	187522.8806	8899194.1397	MD
69	HI- 069 -MD-RA	3+400	187571.7368	8899204.7094	MD
70	HI- 070 -MD-RA	3+450	187619.0801	8899220.0765	MD
71	HI- 071 -MD-RA	3+500	187668.1681	8899227.7007	MD
72	HI- 072 -MD-RA	3+550	187718.1557	8899226.8229	MD
73	HI- 073 -MD-RA	3+600	187767.5138	8899230.3745	MD
74	HI- 074 -MD-RA	3+650	187812.7735	8899250.9362	MD
75	HI- 075 -MD-RA	3+700	187859.7468	8899266.9832	MD
76	HI- 076 -MD-RA	3+750	187899.5349	8899296.0705	MD
77	HI- 077 -MD-RA	3+800	187944.0113	8899315.8521	MD
78	HI- 078 -MD-RA	3+850	187990.4212	8899334.2666	MD

79	HI- 079 -MD-RA	3+900	188034.8002	8899356.8513	MD
80	HI- 080 -MD-RA	3+950	188072.1623	8899389.7707	MD
81	HI- 081 -MD-RA	4+000	188110.8999	8899421.1539	MD
82	HI- 082 -MD-RA	4+050	188151.8642	8899449.7573	MD
83	HI- 083 -MD-RA	4+100	188194.7740	8899475.4135	MD
84	HI- 084 -MD-RA	4+150	188237.1929	8899501.7712	MD
85	HI- 085 -MD-RA	4+200	188264.4786	8899539.1117	MD
86	HI- 086 -MD-RA	4+250	188279.7572	8899586.3082	MD
87	HI- 087 -MD-RA	4+300	188309.5655	8899625.8013	MD
88	HI- 088 -MD-RA	4+350	188334.1686	8899667.8051	MD
89	HI- 089 -MD-RA	4+400	188348.4493	8899715.6575	MD
90	HI- 090 -MD-RA	4+450	188383.1014	8899751.3606	MD
91	HI- 091 -MD-RA	4+500	188419.7381	8899785.2734	MD
92	HI- 092 -MD-RA	4+550	188460.8565	8899813.1971	MD
93	HI- 093 -MD-RA	4+600	188496.2610	8899847.9376	MD
94	HI- 094 -MD-RA	4+650	188521.6545	8899890.1903	MD
95	HI- 095 -MD-RA	4+700	188543.2986	8899935.2161	MD
96	HI- 096 -MD-RA	4+750	188565.9689	8899979.1305	MD
97	HI- 097 -MD-RA	4+800	188598.6882	8900016.2946	MD
98	HI- 098 -MD-RA	4+850	188621.7932	8900058.8797	MD
99	HI- 099 -MD-RA	4+900	188612.7247	8900107.1148	MD
100	HI- 100 -MD-RA	4+950	188584.9812	8900148.6382	MD
101	HI- 101 -MD-RA	5+000	188558.2423	8900190.6207	MD
102	HI- 102 -MD-RA	5+050	188545.4397	8900238.7176	MD
103	HI- 103 -MD-RA	5+100	188541.6112	8900288.4515	MD
104	HI- 104 -MD-RA	5+150	188550.1272	8900337.4035	MD
105	HI- 105 -MD-RA	5+200	188572.2561	8900382.0817	MD
106	HI- 106 -MD-RA	5+250	188593.5823	8900426.6963	MD
107	HI- 107 -MD-RA	5+300	188606.9557	8900474.7656	MD
108	HI- 108 -MD-RA	5+350	188626.6555	8900520.6388	MD
109	HI- 109 -MD-RA	5+400	188646.0767	8900566.6808	MD
110	HI- 110 -MD-RA	5+450	188675.4177	8900606.5647	MD
111	HI- 111 -MD-RA	5+500	188704.3135	8900646.8089	MD
112	HI- 112 -MD-RA	5+550	188742.0854	8900678.7546	MD
113	HI- 113 -MD-RA	5+600	188774.6305	8900714.6111	MD
114	HI- 114 -MD-RA	5+650	188787.2207	8900762.9606	MD
115	HI- 115 -MD-RA	5+700	188775.0536	8900809.7557	MD
116	HI- 116 -MD-RA	5+750	188773.2506	8900859.4287	MD
117	HI- 117 -MD-RA	5+800	188780.2181	8900908.8183	MD
118	HI- 118 -MD-RA	5+850	188791.8136	8900956.2215	MD
119	HI- 119 -MD-RA	5+900	188823.1329	8900994.9730	MD
120	HI- 120 -MD-RA	5+950	188867.2776	8901018.1268	MD

121	HI- 121 -MD-RA	6+000	188901.8684	8901053.5033	MD
122	HI- 122 -MD-RA	6+050	188938.8721	8901087.0273	MD
123	HI- 123 -MD-RA	6+100	188962.0101	8901130.7754	MD
124	HI- 124 -MD-RA	6+150	188982.6077	8901175.3908	MD
125	HI- 125 -MD-RA	6+200	189004.0752	8901220.3783	MD
126	HI- 126 -MD-RA	6+250	189030.6773	8901262.6410	MD
127	HI- 127 -MD-RA	6+300	189053.0285	8901306.7770	MD
128	HI- 128 -MD-RA	6+350	189092.7682	8901336.8649	MD
129	HI- 129 -MD-RA	6+400	189115.5515	8901379.8053	MD
130	HI- 130 -MD-RA	6+450	189120.9183	8901429.1669	MD
131	HI- 131 -MD-RA	6+500	189135.0769	8901476.9682	MD
132	HI- 132 -MD-RA	6+550	189139.6568	8901526.7118	MD
133	HI- 133 -MD-RA	6+600	189150.5975	8901575.3445	MD
134	HI- 134 -MD-RA	6+650	189158.2398	8901624.7135	MD
135	HI- 135 -MD-RA	6+700	189163.8368	8901674.1201	MD
136	HI- 136 -MD-RA	6+750	189177.0129	8901722.2868	MD
137	HI- 137 -MD-RA	6+800	189186.9799	8901770.4900	MD
138	HI- 138 -MD-RA	6+850	189209.4153	8901814.1158	MD
139	HI- 139 -MD-RA	6+900	189233.3394	8901857.7993	MD
140	HI- 140 -MD-RA	6+950	189254.8103	8901902.8557	MD
141	HI- 141 -MD-RA	7+000	189257.8087	8901945.0170	MD
142	HI- 142 -MD-RA	7+050	189237.9396	8901990.2579	MD
143	HI- 143 -MD-RA	7+100	189239.7227	8902039.7851	MD
144	HI- 144 -MD-RA	7+150	189252.3372	8902088.0979	MD
145	HI- 145 -MD-RA	7+200	189274.9093	8902132.6067	MD
146	HI- 146 -MD-RA	7+250	189304.9273	8902172.0598	MD
147	HI- 147 -MD-RA	7+300	189339.9863	8902206.8770	MD
148	HI- 148 -MD-RA	7+350	189365.9359	8902249.4980	MD
149	HI- 149 -MD-RA	7+400	189387.9645	8902293.4598	MD
150	HI- 150 -MD-RA	7+450	189402.0718	8902340.5859	MD
151	HI- 151 -MD-RA	7+500	189411.6311	8902389.6524	MD
152	HI- 152 -MD-RA	7+550	189428.0383	8902436.6831	MD
153	HI- 153 -MD-RA	7+600	189464.9881	8902469.0008	MD
154	HI- 154 -MD-RA	7+650	189496.4746	8902507.3354	MD
155	HI- 155 -MD-RA	7+700	189538.7718	8902533.5725	MD
156	HI- 156 -MD-RA	7+750	189561.0581	8902577.9073	MD
157	HI- 157 -MD-RA	7+800	189595.0880	8902612.1999	MD
158	HI- 158 -MD-RA	7+850	189637.8726	8902636.9650	MD
159	HI- 159 -MD-RA	7+900	189670.5709	8902674.0021	MD
160	HI- 160 -MD-RA	7+950	189713.8032	8902694.6660	MD
161	HI- 161 -MD-RA	8+000	189763.2705	8902701.0000	MD
162	HI- 162 -MD-RA	8+050	189807.0178	8902717.6198	MD

163	HI- 163 -MD-RA	8+100	189847.1294	8902745.7293	MD
164	HI- 164 -MD-RA	8+150	189896.4173	8902742.6835	MD
165	HI- 165 -MD-RA	8+200	189937.5788	8902766.3830	MD
166	HI- 166 -MD-RA	8+250	189977.0618	8902794.9128	MD
167	HI- 167 -MD-RA	8+300	190026.5172	8902801.3738	MD
168	HI- 168 -MD-RA	8+350	190069.9427	8902819.4802	MD
169	HI- 169 -MD-RA	8+400	190103.0581	8902856.8609	MD
170	HI- 170 -MD-RA	8+450	190141.6871	8902888.2716	MD
171	HI- 171 -MD-RA	8+500	190174.9169	8902925.4686	MD
172	HI- 172 -MD-RA	8+550	190219.0419	8902945.6267	MD
173	HI- 173 -MD-RA	8+600	190262.6802	8902953.1672	MD
174	HI- 174 -MD-RA	8+650	190265.9051	8903002.8860	MD
175	HI- 175 -MD-RA	8+700	190265.3441	8903052.6632	MD
176	HI- 176 -MD-RA	8+750	190268.3342	8903102.4430	MD
177	HI- 177 -MD-RA	8+800	190287.8410	8903147.4598	MD
178	HI- 178 -MD-RA	8+850	190309.7142	8903192.3273	MD
179	HI- 179 -MD-RA	8+900	190348.1173	8903220.1674	MD
180	HI- 180 -MD-RA	8+950	190396.1030	8903234.1825	MD
181	HI- 181 -MD-RA	9+000	190440.3675	8903257.0939	MD
182	HI- 182 -MD-RA	9+050	190468.8018	8903297.8413	MD
183	HI- 183 -MD-RA	9+100	190504.2192	8903332.9194	MD
184	HI- 184 -MD-RA	9+150	190540.2540	8903366.5979	MD
185	HI- 185 -MD-RA	9+200	190589.5335	8903372.8047	MD
186	HI- 186 -MD-RA	9+250	190639.0635	8903379.0398	MD
187	HI- 187 -MD-RA	9+300	190680.5485	8903396.9644	MD
188	HI- 188 -MD-RA	9+350	190719.6374	8903427.6294	MD
189	HI- 189 -MD-RA	9+400	190764.5692	8903449.3872	MD
190	HI- 190 -MD-RA	9+450	190813.9724	8903449.7402	MD
191	HI- 191 -MD-RA	9+500	190863.5269	8903449.9067	MD
192	HI- 192 -MD-RA	9+550	190911.7389	8903454.5106	MD
193	HI- 193 -MD-RA	9+600	190946.3742	8903489.9593	MD
194	HI- 194 -MD-RA	9+650	190968.4271	8903534.2374	MD
195	HI- 195 -MD-RA	9+700	191007.3469	8903564.2942	MD
196	HI- 196 -MD-RA	9+750	191029.0271	8903601.2607	MD
197	HI- 197 -MD-RA	9+800	191022.9101	8903649.5242	MD
198	HI- 198 -MD-RA	9+850	191052.5196	8903687.9185	MD
199	HI- 199 -MD-RA	9+900	191101.3979	8903692.9257	MD
200	HI- 200 -MD-RA	9+950	191150.8740	8903688.7525	MD
201	HI- 201 -MD-RA	10+000	191197.6821	8903705.5457	MD
202	HI- 202 -MD-RA	10+050	191243.2611	8903724.2218	MD
203	HI- 203 -MD-RA	10+100	191281.0170	8903756.6226	MD
204	HI- 204 -MD-RA	10+150	191327.4566	8903774.0959	MD

205	HI- 205 -MD-RA	10+200	191374.9589	8903788.4351	MD
206	HI- 206 -MD-RA	10+250	191423.9209	8903786.4141	MD
207	HI- 207 -MD-RA	10+300	191466.4526	8903809.9378	MD
208	HI- 208 -MD-RA	10+350	191512.8490	8903827.7148	MD
209	HI- 209 -MD-RA	10+400	191551.3702	8903804.4149	MD
210	HI- 210 -MD-RA	10+450	191566.0901	8903756.9726	MD
211	HI- 211 -MD-RA	10+500	191610.4272	8903740.4340	MD
212	HI- 212 -MD-RA	10+550	191660.1756	8903735.8023	MD
213	HI- 213 -MD-RA	10+600	191706.3005	8903747.4746	MD
214	HI- 214 -MD-RA	10+650	191750.5306	8903743.9317	MD
215	HI- 215 -MD-RA	10+700	191786.5911	8903709.3755	MD
216	HI- 216 -MD-RA	10+750	191818.9841	8903673.1811	MD
217	HI- 217 -MD-RA	10+800	191854.9563	8903638.9194	MD
218	HI- 218 -MD-RA	10+850	191899.0206	8903616.3770	MD
219	HI- 219 -MD-RA	10+900	191946.5071	8903601.2834	MD
220	HI- 220 -MD-RA	10+950	191992.3469	8903584.3028	MD
221	HI- 221 -MD-RA	11+000	192037.2672	8903602.4434	MD
222	HI- 222 -MD-RA	11+050	192078.3904	8903630.7912	MD
223	HI- 223 -MD-RA	11+100	192126.0205	8903635.3253	MD
224	HI- 224 -MD-RA	11+150	192173.1922	8903642.8409	MD
225	HI- 225 -MD-RA	11+200	192212.5539	8903673.2839	MD
226	HI- 226 -MD-RA	11+250	192256.4355	8903696.1032	MD
227	HI- 227 -MD-RA	11+300	192305.8720	8903692.9447	MD
228	HI- 228 -MD-RA	11+350	192354.5771	8903681.6881	MD
229	HI- 229 -MD-RA	11+400	192404.0805	8903684.4990	MD
230	HI- 230 -MD-RA	11+450	192453.4230	8903677.3702	MD
231	HI- 231 -MD-RA	11+500	192499.6913	8903659.6041	MD
232	HI- 232 -MD-RA	11+550	192549.0307	8903654.6116	MD
233	HI- 233 -MD-RA	11+600	192594.4751	8903636.8788	MD
234	HI- 234 -MD-RA	11+650	192630.9978	8903602.9931	MD
235	HI- 235 -MD-RA	11+700	192675.1866	8903580.2025	MD
236	HI- 236 -MD-RA	11+750	192723.1230	8903566.0799	MD
237	HI- 237 -MD-RA	11+800	192772.1581	8903561.2306	MD
238	HI- 238 -MD-RA	11+850	192820.8084	8903568.9795	MD
239	HI- 239 -MD-RA	11+900	192870.1291	8903576.1203	MD
240	HI- 240 -MD-RA	11+950	192916.2051	8903557.8379	MD
241	HI- 241 -MD-RA	12+000	192958.9275	8903532.1200	MD
242	HI- 242 -MD-RA	12+050	192990.4451	8903493.6870	MD
243	HI- 243 -MD-RA	12+100	193019.7165	8903453.7562	MD
244	HI- 244 -MD-RA	12+150	193061.4272	8903426.2696	MD
245	HI- 245 -MD-RA	12+200	193109.2421	8903413.1113	MD
246	HI- 246 -MD-RA	12+250	193145.4883	8903441.6542	MD

247	HI- 247 -MD-RA	12+300	193163.5197	8903488.2161	MD
248	HI- 248 -MD-RA	12+350	193204.4555	8903512.1021	MD
249	HI- 249 -MD-RA	12+400	193249.3699	8903533.9656	MD
250	HI- 250 -MD-RA	12+450	193295.3522	8903553.2558	MD
251	HI- 251 -MD-RA	12+500	193342.8694	8903564.0941	MD
252	HI- 252 -MD-RA	12+550	193392.2149	8903557.0088	MD
253	HI- 253 -MD-RA	12+600	193434.8728	8903531.7077	MD
254	HI- 254 -MD-RA	12+650	193465.6925	8903568.0811	MD
255	HI- 255 -MD-RA	12+700	193510.8628	8903577.2170	MD
256	HI- 256 -MD-RA	12+750	193542.5976	8903541.0974	MD
257	HI- 257 -MD-RA	12+800	193572.7599	8903556.2254	MD
258	HI- 258 -MD-RA	12+850	193600.2941	8903597.4802	MD
259	HI- 259 -MD-RA	12+900	193630.9827	8903635.6553	MD
260	HI- 260 -MD-RA	12+950	193680.0533	8903637.7896	MD
261	HI- 261 -MD-RA	13+000	193726.0216	8903618.8970	MD
262	HI- 262 -MD-RA	13+050	193771.7964	8903599.7395	MD
263	HI- 263 -MD-RA	13+100	193819.7102	8903588.2440	MD
264	HI- 264 -MD-RA	13+150	193864.5913	8903609.2269	MD
265	HI- 265 -MD-RA	13+200	193913.8846	8903610.9889	MD
266	HI- 266 -MD-RA	13+250	193963.5431	8903609.3904	MD
267	HI- 267 -MD-RA	13+300	194007.4445	8903631.7970	MD
268	HI- 268 -MD-RA	13+350	194053.2458	8903623.1147	MD
269	HI- 269 -MD-RA	13+400	194093.4189	8903643.7265	MD
270	HI- 270 -MD-RA	13+450	194122.7956	8903682.6822	MD
271	HI- 271 -MD-RA	13+500	194160.2459	8903715.0440	MD
272	HI- 272 -MD-RA	13+550	194208.9866	8903722.1543	MD
273	HI- 273 -MD-RA	13+600	194255.6466	8903739.5339	MD
274	HI- 274 -MD-RA	13+650	194302.7423	8903755.8066	MD
275	HI- 275 -MD-RA	13+700	194345.4693	8903780.6007	MD
276	HI- 276 -MD-RA	13+750	194391.3684	8903797.5495	MD
277	HI- 277 -MD-RA	13+800	194440.8238	8903803.1364	MD
278	HI- 278 -MD-RA	13+850	194488.2860	8903818.0665	MD
279	HI- 279 -MD-RA	13+900	194530.6937	8903843.6912	MD
280	HI- 280 -MD-RA	13+950	194568.9035	8903875.6040	MD
281	HI- 281 -MD-RA	14+000	194608.5393	8903906.0792	MD
282	HI- 282 -MD-RA	14+050	194653.5081	8903927.3151	MD
283	HI- 283 -MD-RA	14+100	194703.0338	8903933.6583	MD
284	HI- 284 -MD-RA	14+150	194752.8729	8903930.8238	MD
285	HI- 285 -MD-RA	14+200	194801.8289	8903921.3015	MD
286	HI- 286 -MD-RA	14+250	194845.1787	8903899.2728	MD
287	HI- 287 -MD-RA	14+300	194886.2323	8903871.7489	MD
288	HI- 288 -MD-RA	14+350	194932.1840	8903852.2439	MD

289	HI- 289 -MD-RA	14+400	194979.6901	8903837.6633	MD
290	HI- 290 -MD-RA	14+450	195026.8736	8903846.0677	MD
291	HI- 291 -MD-RA	14+500	195068.1558	8903873.2584	MD
292	HI- 292 -MD-RA	14+550	195097.9860	8903913.2030	MD
293	HI- 293 -MD-RA	14+600	195139.2274	8903940.6843	MD
294	HI- 294 -MD-RA	14+650	195173.2254	8903976.3270	MD
295	HI- 295 -MD-RA	14+700	195197.1624	8904013.9687	MD
296	HI- 296 -MD-RA	14+750	195186.3126	8904061.2473	MD
297	HI- 297 -MD-RA	14+800	195157.9363	8904098.7471	MD
298	HI- 298 -MD-RA	14+850	195147.5454	8904145.8514	MD
299	HI- 299 -MD-RA	14+900	195155.2233	8904193.8955	MD
300	HI- 300 -MD-RA	14+950	195167.7553	8904241.0060	MD
301	HI- 301 -MD-RA	15+000	195171.6107	8904288.5189	MD
302	HI- 302 -MD-RA	15+050	195157.8156	8904335.0541	MD
303	HI- 303 -MD-RA	15+100	195164.6619	8904384.5537	MD
304	HI- 304 -MD-RA	15+150	195181.3245	8904431.4652	MD
305	HI- 305 -MD-RA	15+200	195216.0413	8904466.1549	MD
306	HI- 306 -MD-RA	15+250	195252.2688	8904494.5037	MD
307	HI- 307 -MD-RA	15+300	195282.3489	8904534.2225	MD
308	HI- 308 -MD-RA	15+350	195313.7750	8904571.7014	MD
309	HI- 309 -MD-RA	15+400	195363.4385	8904569.3359	MD
310	HI- 310 -MD-RA	15+450	195412.8646	8904562.1059	MD
311	HI- 311 -MD-RA	15+500	195462.7192	8904558.8163	MD
312	HI- 312 -MD-RA	15+550	195512.1940	8904555.7533	MD
313	HI- 313 -MD-RA	15+600	195538.1789	8904586.7729	MD
314	HI- 314 -MD-RA	15+650	195495.9978	8904612.7230	MD
315	HI- 315 -MD-RA	15+700	195468.9193	8904653.9288	MD
316	HI- 316 -MD-RA	15+750	195443.2880	8904695.6117	MD
317	HI- 317 -MD-RA	15+800	195425.1194	8904740.1009	MD
318	HI- 318 -MD-RA	15+850	195431.7424	8904789.4640	MD
319	HI- 319 -MD-RA	15+900	195438.6932	8904838.4200	MD
320	HI- 320 -MD-RA	15+950	195457.7267	8904882.2389	MD
321	HI- 321 -MD-RA	16+000	195496.7372	8904913.5131	MD
322	HI- 322 -MD-RA	16+050	195532.5825	8904948.2627	MD
323	HI- 323 -MD-RA	16+100	195564.1947	8904986.8531	MD
324	HI- 324 -MD-RA	16+150	195589.2604	8905029.7615	MD
325	HI- 325 -MD-RA	16+200	195624.6203	8905064.8098	MD
326	HI- 326 -MD-RA	16+250	195654.6227	8905104.5650	MD
327	HI- 327 -MD-RA	16+300	195674.4877	8905150.0687	MD
328	HI- 328 -MD-RA	16+350	195701.9362	8905191.6514	MD
329	HI- 329 -MD-RA	16+400	195686.4401	8905237.6650	MD
330	HI- 330 -MD-RA	16+450	195655.0219	8905276.1798	MD

331	HI- 331 -MD-RA	16+500	195621.5787	8905312.7340	MD
332	HI- 332 -MD-RA	16+550	195581.4370	8905341.8887	MD
333	HI- 333 -MD-RA	16+600	195560.7783	8905386.6235	MD
334	HI- 334 -MD-RA	16+650	195565.6634	8905435.5740	MD
335	HI- 335 -MD-RA	16+700	195606.0156	8905459.0118	MD
336	HI- 336 -MD-RA	16+750	195655.9347	8905458.0232	MD
337	HI- 337 -MD-RA	16+800	195705.1410	8905460.3540	MD
338	HI- 338 -MD-RA	16+850	195748.1215	8905438.8476	MD
339	HI- 339 -MD-RA	16+900	195792.6670	8905416.6520	MD
340	HI- 340 -MD-RA	16+950	195824.0148	8905451.1322	MD
341	HI- 341 -MD-RA	17+000	195835.0614	8905498.9419	MD
342	HI- 342 -MD-RA	17+050	195868.3649	8905534.7367	MD
343	HI- 343 -MD-RA	17+100	195911.2388	8905558.8995	MD
344	HI- 344 -MD-RA	17+150	195960.4773	8905562.1547	MD
345	HI- 345 -MD-RA	17+200	196010.2015	8905557.7284	MD
346	HI- 346 -MD-RA	17+250	196058.9124	8905546.9964	MD
347	HI- 347 -MD-RA	17+300	196108.1432	8905542.7791	MD
348	HI- 348 -MD-RA	17+350	196153.9204	8905523.8752	MD
349	HI- 349 -MD-RA	17+400	196201.2097	8905535.2063	MD
350	HI- 350 -MD-RA	17+450	196248.9827	8905547.1696	MD
351	HI- 351 -MD-RA	17+500	196298.4205	8905542.7468	MD
352	HI- 352 -MD-RA	17+550	196346.9152	8905553.5597	MD
353	HI- 353 -MD-RA	17+600	196394.4025	8905565.3152	MD
354	HI- 354 -MD-RA	17+650	196441.4554	8905567.4304	MD
355	HI- 355 -MD-RA	17+700	196483.7891	8905541.0967	MD
356	HI- 356 -MD-RA	17+750	196526.6425	8905515.4114	MD
357	HI- 357 -MD-RA	17+800	196568.7821	8905507.0310	MD
358	HI- 358 -MD-RA	17+850	196569.0349	8905556.9208	MD
359	HI- 359 -MD-RA	17+900	196594.9615	8905598.6067	MD
360	HI- 360 -MD-RA	17+950	196625.5009	8905627.9744	MD
361	HI- 361 -MD-RA	18+000	196631.0202	8905676.3473	MD
362	HI- 362 -MD-RA	18+050	196609.0126	8905720.2786	MD
363	HI- 363 -MD-RA	18+100	196603.0982	8905769.5498	MD
364	HI- 364 -MD-RA	18+150	196591.6178	8905818.1569	MD
365	HI- 365 -MD-RA	18+200	196588.4252	8905867.2012	MD
366	HI- 366 -MD-RA	18+250	196581.3300	8905916.4554	MD
367	HI- 367 -MD-RA	18+300	196581.8734	8905966.4281	MD
368	HI- 368 -MD-RA	18+350	196580.7937	8906015.8546	MD
369	HI- 369 -MD-RA	18+400	196595.3145	8906063.3181	MD
370	HI- 370 -MD-RA	18+450	196585.4109	8906111.2385	MD
371	HI- 371 -MD-RA	18+500	196567.7184	8906157.5802	MD
372	HI- 372 -MD-RA	18+550	196561.4974	8906207.0131	MD

373	HI- 373 -MD-RA	18+600	196574.1926	8906254.4596	MD
374	HI- 374 -MD-RA	18+650	196603.7063	8906294.7842	MD
375	HI- 375 -MD-RA	18+700	196625.2582	8906339.5918	MD
376	HI- 376 -MD-RA	18+750	196627.2890	8906388.9826	MD
377	HI- 377 -MD-RA	18+800	196627.9748	8906438.7766	MD
378	HI- 378 -MD-RA	18+850	196634.4038	8906488.2876	MD
379	HI- 379 -MD-RA	18+900	196638.9594	8906538.0451	MD
380	HI- 380 -MD-RA	18+950	196656.1372	8906584.7166	MD
381	HI- 381 -MD-RA	19+000	196669.9878	8906632.1723	MD
382	HI- 382 -MD-RA	19+050	196672.3545	8906681.7344	MD
383	HI- 383 -MD-RA	19+100	196658.4698	8906729.3389	MD
384	HI- 384 -MD-RA	19+150	196648.3742	8906778.2124	MD
385	HI- 385 -MD-RA	19+200	196645.6337	8906828.0462	MD
386	HI- 386 -MD-RA	19+250	196657.1075	8906876.1262	MD
387	HI- 387 -MD-RA	19+300	196683.3871	8906917.8190	MD
388	HI- 388 -MD-RA	19+350	196706.5542	8906961.9364	MD
389	HI- 389 -MD-RA	19+400	196714.5254	8907011.1138	MD
390	HI- 390 -MD-RA	19+450	196714.1660	8907060.3702	MD
391	HI- 391 -MD-RA	19+500	196716.8879	8907109.8108	MD
392	HI- 392 -MD-RA	19+550	196719.3304	8907159.7321	MD
393	HI- 393 -MD-RA	19+600	196720.4917	8907209.4297	MD
394	HI- 394 -MD-RA	19+650	196727.6218	8907258.5540	MD
395	HI- 395 -MD-RA	19+700	196734.0995	8907307.4057	MD
396	HI- 396 -MD-RA	19+750	196726.8600	8907356.0539	MD
397	HI- 397 -MD-RA	19+800	196743.4848	8907403.0065	MD
398	HI- 398 -MD-RA	19+850	196746.9402	8907449.9345	MD
399	HI- 399 -MD-RA	19+900	196739.8626	8907499.1161	MD
400	HI- 400 -MD-RA	19+950	196763.7507	8907542.5137	MD
401	HI- 401 -MD-RA	20+000	196795.3105	8907581.1393	MD
402	HI- 402 -MD-RA	20+050	196831.7057	8907614.3994	MD
403	HI- 403 -MD-RA	20+100	196869.5299	8907645.3954	MD
404	HI- 404 -MD-RA	20+150	196916.0743	8907662.6550	MD
405	HI- 405 -MD-RA	20+200	196964.9904	8907656.7287	MD
406	HI- 406 -MD-RA	20+250	197012.8997	8907664.7876	MD
407	HI- 407 -MD-RA	20+300	197036.4101	8907702.0903	MD
408	HI- 408 -MD-RA	20+350	197039.4778	8907751.779	MD
409	HI- 409 -MD-RA	20+400	197058.078	8907796.935	MD
410	HI- 410 -MD-RA	20+450	197095.8139	8907829.736	MD
411	HI- 411 -MD-RA	20+500	197127.6834	8907867.879	MD
412	HI- 412 -MD-RA	20+550	197163.6584	8907901.617	MD
413	HI- 413 -MD-RA	20+600	197205.8536	8907928.27	MD
414	HI- 414 -MD-RA	20+650	197251.3152	8907948.264	MD

415	HI- 415 -MD-RA	20+700	197300.0277	8907959.204	MD
416	HI- 416 -MD-RA	20+750	197343.1264	8907984.504	MD
417	HI- 417 -MD-RA	20+800	197382.1171	8908015.665	MD
418	HI- 418 -MD-RA	20+850	197420.3021	8908046.825	MD
419	HI- 419 -MD-RA	20+900	197467.6268	8908054.949	MD
420	HI- 420 -MD-RA	20+950	197516.0187	8908067.249	MD
421	HI- 421 -MD-RA	21+000	197557.933	8908089.307	MD
422	HI- 422 -MD-RA	21+050	197594.7377	8908105.231	MD

7. COORDENADAS DE LA FAJA MARGINAL IZQUIERDA DEL RIO MALVAS - ZONA 18

N°	Código	Coordenadas UTM WGS 84 Z18			Margen
		Progresiva	Este X	Norte Y	
01	HI- 001 -MI-RM	0+000	187269.7286	8896317.3030	MI
02	HI- 002 -MI-RM	0+050	187311.5576	8896344.6330	MI
03	HI- 003 -MI-RM	0+100	187352.5202	8896372.9430	MI
04	HI- 004 -MI-RM	0+150	187391.8516	8896403.6940	MI
05	HI- 005 -MI-RM	0+200	187429.3601	8896436.6840	MI
06	HI- 006 -MI-RM	0+250	187469.5408	8896466.3980	MI
07	HI- 007 -MI-RM	0+300	187513.8465	8896489.3620	MI
08	HI- 008 -MI-RM	0+350	187555.7324	8896516.4360	MI
09	HI- 009 -MI-RM	0+400	187595.6641	8896546.4750	MI
10	HI- 010 -MI-RM	0+450	187637.3678	8896572.3560	MI
11	HI- 011 -MI-RM	0+500	187682.7908	8896592.0880	MI
12	HI- 012 -MI-RM	0+550	187711.1975	8896633.2030	MI
13	HI- 013 -MI-RM	0+600	187741.4600	8896672.8130	MI
14	HI- 014 -MI-RM	0+650	187768.1196	8896714.8980	MI
15	HI- 015 -MI-RM	0+700	187793.0498	8896758.1800	MI
16	HI- 016 -MI-RM	0+750	187812.1774	8896804.2970	MI
17	HI- 017 -MI-RM	0+800	187833.7988	8896846.9330	MI
18	HI- 018 -MI-RM	0+850	187829.6464	8896896.7390	MI
19	HI- 019 -MI-RM	0+900	187835.8324	8896945.8440	MI
20	HI- 020 -MI-RM	0+950	187850.9720	8896993.4710	MI
21	HI- 021 -MI-RM	1+000	187882.0213	8897031.8860	MI
22	HI- 022 -MI-RM	1+050	187927.3323	8897051.8110	MI
23	HI- 023 -MI-RM	1+100	187967.4058	8897080.7900	MI
24	HI- 024 -MI-RM	1+150	188009.1929	8897107.7310	MI
25	HI- 025 -MI-RM	1+200	188055.0558	8897127.2750	MI
26	HI- 026 -MI-RM	1+250	188102.2577	8897143.7670	MI
27	HI- 027 -MI-RM	1+300	188149.4484	8897160.2900	MI
28	HI- 028 -MI-RM	1+350	188196.6318	8897176.8350	MI
29	HI- 029 -MI-RM	1+400	188242.7057	8897195.9840	MI

30	HI- 030 -MI-RM	1+450	188287.3252	8897218.5480	MI
31	HI- 031 -MI-RM	1+500	188336.0818	8897225.4920	MI
32	HI- 032 -MI-RM	1+550	188379.7351	8897249.8690	MI
33	HI- 033 -MI-RM	1+600	188425.4628	8897269.7730	MI
34	HI- 034 -MI-RM	1+650	188471.8647	8897288.3880	MI
35	HI- 035 -MI-RM	1+700	188516.6242	8897307.5300	MI
36	HI- 036 -MI-RM	1+750	188564.8772	8897318.0360	MI
37	HI- 037 -MI-RM	1+800	188609.4925	8897340.3360	MI
38	HI- 038 -MI-RM	1+850	188656.4387	8897357.3610	MI
39	HI- 039 -MI-RM	1+900	188700.0315	8897381.8450	MI
40	HI- 040 -MI-RM	1+950	188745.8119	8897401.8990	MI
41	HI- 041 -MI-RM	2+000	188792.6407	8897419.4050	MI
42	HI- 042 -MI-RM	2+050	188837.2328	8897441.6850	MI
43	HI- 043 -MI-RM	2+100	188883.4568	8897460.5380	MI
44	HI- 044 -MI-RM	2+150	188924.8408	8897487.1010	MI
45	HI- 045 -MI-RM	2+200	188957.0189	8897525.2480	MI
46	HI- 046 -MI-RM	2+250	188999.7201	8897541.5330	MI
47	HI- 047 -MI-RM	2+300	189049.0953	8897533.9940	MI
48	HI- 048 -MI-RM	2+350	189098.2282	8897524.7290	MI
49	HI- 049 -MI-RM	2+400	189147.9610	8897520.7970	MI
50	HI- 050 -MI-RM	2+450	189197.0575	8897518.4300	MI
51	HI- 051 -MI-RM	2+500	189245.2810	8897531.5880	MI
52	HI- 052 -MI-RM	2+550	189295.1348	8897534.6020	MI
53	HI- 053 -MI-RM	2+600	189343.6500	8897542.1040	MI
54	HI- 054 -MI-RM	2+650	189390.3266	8897543.7360	MI
55	HI- 055 -MI-RM	2+700	189437.5111	8897528.1780	MI
56	HI- 056 -MI-RM	2+750	189485.2091	8897522.4950	MI
57	HI- 057 -MI-RM	2+800	189532.4370	8897538.3030	MI
58	HI- 058 -MI-RM	2+850	189577.6727	8897530.3900	MI
59	HI- 059 -MI-RM	2+900	189627.1534	8897534.2290	MI
60	HI- 060 -MI-RM	2+950	189663.6327	8897567.7330	MI
61	HI- 061 -MI-RM	3+000	189704.8853	8897594.8550	MI
62	HI- 062 -MI-RM	3+050	189750.3944	8897615.5390	MI
63	HI- 063 -MI-RM	3+100	189798.5457	8897628.0790	MI
64	HI- 064 -MI-RM	3+150	189848.2935	8897631.5820	MI
65	HI- 065 -MI-RM	3+200	189898.2767	8897630.5230	MI
66	HI- 066 -MI-RM	3+250	189947.9125	8897627.5060	MI
67	HI- 067 -MI-RM	3+300	189996.7968	8897618.1830	MI
68	HI- 068 -MI-RM	3+350	190042.1640	8897601.7040	MI
69	HI- 069 -MI-RM	3+400	190090.6994	8897612.1680	MI
70	HI- 070 -MI-RM	3+450	190138.3659	8897621.5390	MI
71	HI- 071 -MI-RM	3+500	190180.4415	8897596.5830	MI

72	HI- 072 -MI-RM	3+550	190226.8669	8897581.3790	MI
73	HI- 073 -MI-RM	3+600	190274.7135	8897568.3960	MI
74	HI- 074 -MI-RM	3+650	190323.3505	8897557.8810	MI
75	HI- 075 -MI-RM	3+700	190372.8736	8897556.7420	MI
76	HI- 076 -MI-RM	3+750	190421.4681	8897546.0580	MI
77	HI- 077 -MI-RM	3+800	190468.8790	8897530.2700	MI
78	HI- 078 -MI-RM	3+850	190516.4421	8897515.1190	MI
79	HI- 079 -MI-RM	3+900	190565.3859	8897505.5400	MI
80	HI- 080 -MI-RM	3+950	190609.8841	8897524.8500	MI
81	HI- 081 -MI-RM	4+000	190643.7965	8897558.1060	MI
82	HI- 082 -MI-RM	4+050	190693.6083	8897561.5370	MI
83	HI- 083 -MI-RM	4+100	190740.6241	8897576.9710	MI
84	HI- 084 -MI-RM	4+150	190787.1992	8897592.5730	MI
85	HI- 085 -MI-RM	4+200	190833.7676	8897603.8280	MI
86	HI- 086 -MI-RM	4+250	190880.5871	8897615.2400	MI
87	HI- 087 -MI-RM	4+300	190929.9184	8897620.3980	MI
88	HI- 088 -MI-RM	4+350	190978.0434	8897611.4260	MI
89	HI- 089 -MI-RM	4+400	191027.3756	8897609.3080	MI
90	HI- 090 -MI-RM	4+450	191075.4881	8897602.2620	MI
91	HI- 091 -MI-RM	4+500	191122.6750	8897617.4930	MI
92	HI- 092 -MI-RM	4+550	191165.8402	8897642.7060	MI
93	HI- 093 -MI-RM	4+600	191205.3635	8897673.1410	MI
94	HI- 094 -MI-RM	4+650	191252.6412	8897674.8440	MI
95	HI- 095 -MI-RM	4+700	191297.9141	8897653.7120	MI
96	HI- 096 -MI-RM	4+750	191342.8222	8897632.0210	MI
97	HI- 097 -MI-RM	4+800	191391.0733	8897618.9150	MI
98	HI- 098 -MI-RM	4+850	191440.1004	8897609.5980	MI
99	HI- 099 -MI-RM	4+900	191489.9852	8897607.5030	MI
100	HI- 100 -MI-RM	4+950	191539.8568	8897611.0830	MI
101	HI- 101 -MI-RM	5+000	191589.7731	8897613.4310	MI
102	HI- 102 -MI-RM	5+050	191639.7409	8897614.8720	MI
103	HI- 103 -MI-RM	5+100	191689.5658	8897611.6210	MI
104	HI- 104 -MI-RM	5+150	191735.6038	8897593.8480	MI
105	HI- 105 -MI-RM	5+200	191778.8383	8897568.7460	MI
106	HI- 106 -MI-RM	5+250	191824.3615	8897548.2430	MI
107	HI- 107 -MI-RM	5+300	191872.8553	8897540.6580	MI
108	HI- 108 -MI-RM	5+350	191914.0208	8897513.0620	MI
109	HI- 109 -MI-RM	5+400	191949.3878	8897478.2090	MI
110	HI- 110 -MI-RM	5+450	191995.9370	8897462.9610	MI
111	HI- 111 -MI-RM	5+500	192043.2893	8897477.3840	MI
112	HI- 112 -MI-RM	5+550	192090.4941	8897492.4340	MI
113	HI- 113 -MI-RM	5+600	192140.3470	8897494.5450	MI

114	HI- 114 -MI-RM	5+650	192189.8195	8897500.5370	MI
115	HI- 115 -MI-RM	5+700	192238.8278	8897508.0630	MI
116	HI- 116 -MI-RM	5+750	192283.0080	8897531.1770	MI
117	HI- 117 -MI-RM	5+800	192331.2530	8897542.0910	MI
118	HI- 118 -MI-RM	5+850	192372.0403	8897565.1670	MI
119	HI- 119 -MI-RM	5+900	192419.9983	8897579.3000	MI
120	HI- 120 -MI-RM	5+950	192468.8054	8897583.7680	MI
121	HI- 121 -MI-RM	6+000	192516.7551	8897597.4400	MI
122	HI- 122 -MI-RM	6+050	192565.3583	8897607.3170	MI
123	HI- 123 -MI-RM	6+100	192611.7312	8897599.7510	MI
124	HI- 124 -MI-RM	6+150	192658.5268	8897601.7650	MI
125	HI- 125 -MI-RM	6+200	192706.6902	8897611.3770	MI
126	HI- 126 -MI-RM	6+250	192756.2881	8897614.2420	MI
127	HI- 127 -MI-RM	6+300	192804.4229	8897627.4490	MI
128	HI- 128 -MI-RM	6+350	192851.7158	8897643.6770	MI
129	HI- 129 -MI-RM	6+400	192899.5350	8897645.4990	MI
130	HI- 130 -MI-RM	6+450	192943.5017	8897621.8510	MI
131	HI- 131 -MI-RM	6+500	192986.5399	8897596.9720	MI
132	HI- 132 -MI-RM	6+550	193035.8409	8897594.6000	MI
133	HI- 133 -MI-RM	6+600	193084.4081	8897602.5590	MI
134	HI- 134 -MI-RM	6+650	193131.8430	8897617.6740	MI
135	HI- 135 -MI-RM	6+700	193181.5423	8897622.9340	MI
136	HI- 136 -MI-RM	6+750	193229.5234	8897635.8390	MI
137	HI- 137 -MI-RM	6+800	193273.2879	8897659.7030	MI
138	HI- 138 -MI-RM	6+850	193318.1556	8897647.5340	MI
139	HI- 139 -MI-RM	6+900	193361.2016	8897622.2620	MI
140	HI- 140 -MI-RM	6+950	193408.1758	8897608.5500	MI
141	HI- 141 -MI-RM	7+000	193457.9565	8897611.7450	MI
142	HI- 142 -MI-RM	7+050	193507.7871	8897613.7060	MI
143	HI- 143 -MI-RM	7+100	193557.5935	8897613.9860	MI
144	HI- 144 -MI-RM	7+150	193605.4804	8897624.7670	MI
145	HI- 145 -MI-RM	7+200	193655.4516	8897624.4290	MI
146	HI- 146 -MI-RM	7+250	193700.9336	8897606.1920	MI
147	HI- 147 -MI-RM	7+300	193746.5378	8897586.7990	MI
148	HI- 148 -MI-RM	7+350	193792.4124	8897578.5380	MI
149	HI- 149 -MI-RM	7+400	193839.4243	8897567.0080	MI
150	HI- 150 -MI-RM	7+450	193888.3037	8897569.6030	MI
151	HI- 151 -MI-RM	7+500	193935.4116	8897564.6560	MI
152	HI- 152 -MI-RM	7+550	193978.3866	8897539.2010	MI
153	HI- 153 -MI-RM	7+600	194023.2502	8897517.1320	MI
154	HI- 154 -MI-RM	7+650	194067.6738	8897494.2510	MI
155	HI- 155 -MI-RM	7+700	194110.4739	8897468.4040	MI

156	HI- 156 -MI-RM	7+750	194154.0360	8897443.8760	MI
157	HI- 157 -MI-RM	7+800	194198.1208	8897421.1830	MI
158	HI- 158 -MI-RM	7+850	194242.0591	8897400.6210	MI
159	HI- 159 -MI-RM	7+900	194282.3181	8897374.9200	MI
160	HI- 160 -MI-RM	7+950	194331.3291	8897365.9260	MI
161	HI- 161 -MI-RM	8+000	194381.1757	8897366.8920	MI
162	HI- 162 -MI-RM	8+050	194431.0600	8897367.5870	MI
163	HI- 163 -MI-RM	8+100	194479.3345	8897355.3310	MI

8. COORDENADAS DE LA FAJA MARGINAL DERECHA DEL RIO MALVAS - ZONA 18

N°	Código	Coordenadas UTM WGS 84 Z18			Margen
		Progresiva	Este X	Norte Y	
01	HI- 001 -MD-RM	0+000	187232.2439	8896329.9090	MD
02	HI- 002 -MD-RM	0+050	187267.4331	8896364.9090	MD
03	HI- 003 -MD-RM	0+100	187307.8099	8896394.3950	MD
04	HI- 004 -MD-RM	0+150	187348.0305	8896423.9530	MD
05	HI- 005 -MD-RM	0+200	187387.1805	8896454.6770	MD
06	HI- 006 -MD-RM	0+250	187423.5517	8896488.7540	MD
07	HI- 007 -MD-RM	0+300	187463.5591	8896518.7250	MD
08	HI- 008 -MD-RM	0+350	187501.7241	8896550.9440	MD
09	HI- 009 -MD-RM	0+400	187539.2971	8896582.9050	MD
10	HI- 010 -MD-RM	0+450	187581.1162	8896609.8510	MD
11	HI- 011 -MD-RM	0+500	187620.9963	8896639.9910	MD
12	HI- 012 -MD-RM	0+550	187651.1575	8896677.4990	MD
13	HI- 013 -MD-RM	0+600	187658.8600	8896726.3070	MD
14	HI- 014 -MD-RM	0+650	187691.0818	8896762.3140	MD
15	HI- 015 -MD-RM	0+700	187719.3843	8896803.1340	MD
16	HI- 016 -MD-RM	0+750	187750.9247	8896841.2490	MD
17	HI- 017 -MD-RM	0+800	187741.6579	8896887.4560	MD
18	HI- 018 -MD-RM	0+850	187759.3056	8896931.6780	MD
19	HI- 019 -MD-RM	0+900	187773.4239	8896978.4730	MD
20	HI- 020 -MD-RM	0+950	187786.6045	8897026.4160	MD
21	HI- 021 -MD-RM	1+000	187817.9870	8897065.1290	MD
22	HI- 022 -MD-RM	1+050	187856.7297	8897090.1510	MD
23	HI- 023 -MD-RM	1+100	187893.9330	8897119.9950	MD
24	HI- 024 -MD-RM	1+150	187937.0206	8897144.4440	MD
25	HI- 025 -MD-RM	1+200	187984.0339	8897161.4470	MD
26	HI- 026 -MD-RM	1+250	188025.1365	8897189.3380	MD
27	HI- 027 -MD-RM	1+300	188060.6984	8897224.4850	MD
28	HI- 028 -MD-RM	1+350	188102.6307	8897249.3110	MD
29	HI- 029 -MD-RM	1+400	188148.3263	8897268.8190	MD

30	HI- 030 -MD-RM	1+450	188193.4142	8897289.9860	MD
31	HI- 031 -MD-RM	1+500	188243.0313	8897293.0460	MD
32	HI- 032 -MD-RM	1+550	188291.6644	8897281.4370	MD
33	HI- 033 -MD-RM	1+600	188340.3208	8897277.0400	MD
34	HI- 034 -MD-RM	1+650	188386.3687	8897296.4110	MD
35	HI- 035 -MD-RM	1+700	188428.8344	8897322.0100	MD
36	HI- 036 -MD-RM	1+750	188471.1837	8897348.5350	MD
37	HI- 037 -MD-RM	1+800	188515.7232	8897370.9790	MD
38	HI- 038 -MD-RM	1+850	188555.4020	8897398.8350	MD
39	HI- 039 -MD-RM	1+900	188592.3504	8897430.9040	MD
40	HI- 040 -MD-RM	1+950	188640.3214	8897443.0740	MD
41	HI- 041 -MD-RM	2+000	188689.4473	8897452.0520	MD
42	HI- 042 -MD-RM	2+050	188736.5705	8897466.8280	MD
43	HI- 043 -MD-RM	2+100	188778.5830	8897493.7500	MD
44	HI- 044 -MD-RM	2+150	188823.3890	8897513.9550	MD
45	HI- 045 -MD-RM	2+200	188870.6023	8897530.2710	MD
46	HI- 046 -MD-RM	2+250	188912.7374	8897556.3080	MD
47	HI- 047 -MD-RM	2+300	188956.2688	8897578.5390	MD
48	HI- 048 -MD-RM	2+350	189006.0337	8897582.8120	MD
49	HI- 049 -MD-RM	2+400	189055.7912	8897587.1940	MD
50	HI- 050 -MD-RM	2+450	189105.7903	8897587.1050	MD
51	HI- 051 -MD-RM	2+500	189154.1903	8897596.1330	MD
52	HI- 052 -MD-RM	2+550	189200.8048	8897614.2080	MD
53	HI- 053 -MD-RM	2+600	189248.7723	8897628.0520	MD
54	HI- 054 -MD-RM	2+650	189298.5209	8897631.4410	MD
55	HI- 055 -MD-RM	2+700	189348.1182	8897626.0850	MD
56	HI- 056 -MD-RM	2+750	189397.3245	8897617.5210	MD
57	HI- 057 -MD-RM	2+800	189446.9841	8897611.8970	MD
58	HI- 058 -MD-RM	2+850	189496.2319	8897603.2570	MD
59	HI- 059 -MD-RM	2+900	189546.2192	8897603.1110	MD
60	HI- 060 -MD-RM	2+950	189594.7555	8897613.0530	MD
61	HI- 061 -MD-RM	3+000	189636.0456	8897641.2460	MD
62	HI- 062 -MD-RM	3+050	189672.5000	8897675.3610	MD
63	HI- 063 -MD-RM	3+100	189716.5839	8897695.1860	MD
64	HI- 064 -MD-RM	3+150	189766.1079	8897699.3660	MD
65	HI- 065 -MD-RM	3+200	189812.3923	8897717.2610	MD
66	HI- 066 -MD-RM	3+250	189860.7831	8897725.8780	MD
67	HI- 067 -MD-RM	3+300	189910.7795	8897726.0280	MD
68	HI- 068 -MD-RM	3+350	189960.5170	8897730.0040	MD
69	HI- 069 -MD-RM	3+400	190009.5951	8897739.2200	MD
70	HI- 070 -MD-RM	3+450	190059.2815	8897739.1430	MD
71	HI- 071 -MD-RM	3+500	190108.3650	8897729.8200	MD

72	HI- 072 -MD-RM	3+550	190155.2969	8897713.7180	MD
73	HI- 073 -MD-RM	3+600	190199.7319	8897690.8820	MD
74	HI- 074 -MD-RM	3+650	190247.2461	8897675.8730	MD
75	HI- 075 -MD-RM	3+700	190295.0965	8897661.4640	MD
76	HI- 076 -MD-RM	3+750	190343.2502	8897648.0080	MD
77	HI- 077 -MD-RM	3+800	190392.1351	8897637.6300	MD
78	HI- 078 -MD-RM	3+850	190436.9449	8897615.9430	MD
79	HI- 079 -MD-RM	3+900	190486.8202	8897613.2190	MD
80	HI- 080 -MD-RM	3+950	190536.8057	8897612.6360	MD
81	HI- 081 -MD-RM	4+000	190586.1254	8897617.2480	MD
82	HI- 082 -MD-RM	4+050	190633.9957	8897631.6850	MD
83	HI- 083 -MD-RM	4+100	190678.7285	8897653.0530	MD
84	HI- 084 -MD-RM	4+150	190727.8918	8897662.1610	MD
85	HI- 085 -MD-RM	4+200	190776.3364	8897674.5340	MD
86	HI- 086 -MD-RM	4+250	190823.9860	8897689.1420	MD
87	HI- 087 -MD-RM	4+300	190868.0122	8897712.5440	MD
88	HI- 088 -MD-RM	4+350	190915.0371	8897727.5070	MD
89	HI- 089 -MD-RM	4+400	190964.8711	8897727.9090	MD
90	HI- 090 -MD-RM	4+450	191014.1023	8897719.1750	MD
91	HI- 091 -MD-RM	4+500	191062.7733	8897707.8160	MD
92	HI- 092 -MD-RM	4+550	191112.3500	8897709.8350	MD
93	HI- 093 -MD-RM	4+600	191156.1545	8897732.0490	MD
94	HI- 094 -MD-RM	4+650	191203.0951	8897748.7150	MD
95	HI- 095 -MD-RM	4+700	191252.0589	8897755.4060	MD
96	HI- 096 -MD-RM	4+750	191301.8802	8897753.7780	MD
97	HI- 097 -MD-RM	4+800	191350.6896	8897742.9320	MD
98	HI- 098 -MD-RM	4+850	191400.1828	8897736.2010	MD
99	HI- 099 -MD-RM	4+900	191448.9594	8897727.3550	MD
100	HI- 100 -MD-RM	4+950	191494.4503	8897706.6040	MD
101	HI- 101 -MD-RM	5+000	191539.9648	8897685.9060	MD
102	HI- 102 -MD-RM	5+050	191589.0577	8897677.9710	MD
103	HI- 103 -MD-RM	5+100	191638.6135	8897674.3130	MD
104	HI- 104 -MD-RM	5+150	191688.3562	8897672.8320	MD
105	HI- 105 -MD-RM	5+200	191737.3589	8897663.3950	MD
106	HI- 106 -MD-RM	5+250	191785.2787	8897649.3570	MD
107	HI- 107 -MD-RM	5+300	191832.4599	8897632.8090	MD
108	HI- 108 -MD-RM	5+350	191878.4867	8897613.3450	MD
109	HI- 109 -MD-RM	5+400	191924.9105	8897595.1210	MD
110	HI- 110 -MD-RM	5+450	191968.8532	8897574.6280	MD
111	HI- 111 -MD-RM	5+500	192008.1378	8897543.9460	MD
112	HI- 112 -MD-RM	5+550	192056.7892	8897536.4350	MD
113	HI- 113 -MD-RM	5+600	192106.7772	8897537.3810	MD

114	HI- 114 -MD-RM	5+650	192154.9366	8897549.5720	MD
115	HI- 115 -MD-RM	5+700	192204.8742	8897552.0690	MD
116	HI- 116 -MD-RM	5+750	192254.0745	8897558.1110	MD
117	HI- 117 -MD-RM	5+800	192284.7001	8897597.1610	MD
118	HI- 118 -MD-RM	5+850	192325.7028	8897621.1770	MD
119	HI- 119 -MD-RM	5+900	192375.3230	8897626.0200	MD
120	HI- 120 -MD-RM	5+950	192423.9739	8897632.8220	MD
121	HI- 121 -MD-RM	6+000	192467.9641	8897656.3830	MD
122	HI- 122 -MD-RM	6+050	192511.4489	8897673.3110	MD
123	HI- 123 -MD-RM	6+100	192546.6528	8897700.6980	MD
124	HI- 124 -MD-RM	6+150	192595.6038	8897710.7800	MD
125	HI- 125 -MD-RM	6+200	192642.6400	8897704.3650	MD
126	HI- 126 -MD-RM	6+250	192689.0659	8897687.1980	MD
127	HI- 127 -MD-RM	6+300	192738.7601	8897681.6870	MD
128	HI- 128 -MD-RM	6+350	192788.6441	8897679.2060	MD
129	HI- 129 -MD-RM	6+400	192838.0682	8897685.5730	MD
130	HI- 130 -MD-RM	6+450	192886.6711	8897694.0220	MD
131	HI- 131 -MD-RM	6+500	192932.8690	8897679.5220	MD
132	HI- 132 -MD-RM	6+550	192973.0016	8897650.0870	MD
133	HI- 133 -MD-RM	6+600	193021.2189	8897636.8550	MD
134	HI- 134 -MD-RM	6+650	193068.0094	8897648.9200	MD
135	HI- 135 -MD-RM	6+700	193113.7104	8897668.8800	MD
136	HI- 136 -MD-RM	6+750	193161.8465	8897682.3460	MD
137	HI- 137 -MD-RM	6+800	193206.6894	8897703.9250	MD
138	HI- 138 -MD-RM	6+850	193248.6994	8897729.5830	MD
139	HI- 139 -MD-RM	6+900	193294.7874	8897725.6100	MD
140	HI- 140 -MD-RM	6+950	193337.2747	8897700.0150	MD
141	HI- 141 -MD-RM	7+000	193376.3315	8897668.9540	MD
142	HI- 142 -MD-RM	7+050	193422.2025	8897657.3420	MD
143	HI- 143 -MD-RM	7+100	193468.2786	8897668.8090	MD
144	HI- 144 -MD-RM	7+150	193518.0809	8897664.3710	MD
145	HI- 145 -MD-RM	7+200	193563.2630	8897678.1200	MD
146	HI- 146 -MD-RM	7+250	193607.7355	8897698.2500	MD
147	HI- 147 -MD-RM	7+300	193656.6512	8897693.8960	MD
148	HI- 148 -MD-RM	7+350	193694.3096	8897661.3980	MD
149	HI- 149 -MD-RM	7+400	193738.5775	8897638.3710	MD
150	HI- 150 -MD-RM	7+450	193786.5292	8897639.2000	MD
151	HI- 151 -MD-RM	7+500	193834.6235	8897626.3730	MD
152	HI- 152 -MD-RM	7+550	193882.2741	8897616.2590	MD
153	HI- 153 -MD-RM	7+600	193931.6299	8897624.2080	MD
154	HI- 154 -MD-RM	7+650	193977.0660	8897607.0860	MD
155	HI- 155 -MD-RM	7+700	194021.2493	8897583.6840	MD

156	HI- 156 -MD-RM	7+750	194065.0430	8897560.1090	MD
157	HI- 157 -MD-RM	7+800	194112.7864	8897550.5140	MD
158	HI- 158 -MD-RM	7+850	194151.0381	8897518.3210	MD
159	HI- 159 -MD-RM	7+900	194188.0882	8897484.9700	MD
160	HI- 160 -MD-RM	7+950	194227.8654	8897456.4680	MD
161	HI- 161 -MD-RM	8+000	194272.9811	8897437.2190	MD
162	HI- 162 -MD-RM	8+050	194315.6470	8897412.0600	MD
163	HI- 163 -MD-RM	8+100	194364.8477	8897413.0840	MD

ARTÍCULO SEGUNDO.- DEJAR SIN EFECTO los actos administrativos a través de los cuales se haya aprobado la delimitación de faja marginal únicamente en el extremo de los tramos comprendidos en la presente resolución.

ARTÍCULO TERCERO.- DISPONER la prohibición del uso de las fajas marginales, conforme lo establece el artículo 115º del Reglamento de la Ley de Recursos Hídricos.

ARTÍCULO CUARTO.- DISPONER la monumentación de los hitos de los linderos externos de las fajas marginales delimitadas, de acuerdo a las consideraciones técnicas dispuestas y señaladas en el artículo primero de la presente resolución directoral, cuidando no ocasionar daños o perjuicios a terceros; dando cumplimiento a lo establecido en el artículo 15º de la Resolución Jefatural N° 332-2016-ANA, el cual establece que *“los Gobiernos Regionales y Locales, Operadores de Infraestructura Hidráulica y otros actores de la cuenca, realizarán la señalización de los límites de las fajas marginales a través de hitos colocados en el lindero exterior de la faja marginal”*.

ARTÍCULO QUINTO.- DISPONER que la Administración Local de Agua Casma Huarmey, supervise el cumplimiento de lo dispuesto en el artículo precedente.

ARTÍCULO SEXTO.- NOTIFICAR la presente resolución directoral a la Dirección de Soluciones Integrales de la Autoridad para la Reconstrucción Con Cambios de la Presidencia Del Consejo De Ministros, Gobierno Regional de Ancash, Municipalidad Provincial de Huarmey, Municipalidad Provincial de Aija, Ministerio de Vivienda, Construcción y Saneamiento, Organismo de Formalización de la Propiedad Informal - COFOPRI, Instituto Nacional de Defensa Civil – INDECI, Superintendencia Nacional de los Registros Públicos - Zona Registral N° VII - Sede Huaraz, poniendo de conocimiento a la Administración Local de Agua Casma Huarmey y disponer su publicación en el portal de la Autoridad Nacional del Agua: www.ana.gob.pe.

Regístrese y comuníquese,

FIRMADO DIGITALMENTE

EDWIN NEIL MARINA TRIGOSO

DIRECTOR(E)

AUTORIDAD ADMINISTRATIVA DEL AGUA - HUARMEY CHICAMA