



RESOLUCION DIRECTORAL No. J895 -2018-ANA-AAA-JZ-V

Piura, 05 SET. 2018

VISTO:

El expediente administrativo con CUT N°: 114698-2018, tramitado ante la Administración Local de Agua Alto Piura e ingresado a la Autoridad Administrativa del Agua Jequetepeque Zarumilla Código V, organizado por la **Municipalidad Distrital Salitral – Morropón** representada por su Alcalde, Chozo Calvay José Luis, sobre aprobación de Estudio de Delimitación de la Faja Marginal de las quebradas "El Cerezo tramo de las progresivas km 0+147 al km 0+651, Palo Blanco I tramo de las progresivas km 0+000 al km 0+800 y Palo Blanco II tramo de las progresivas km 0+000 al km 0+672 y del río Piura en el tramo de las progresivas km 257+227 al km 259+427", y;

CONSIDERANDO:



Que, el artículo 74° de la Ley N° 29338, Ley de Recursos Hídricos, señala que, en los terrenos aledaños a los cauces naturales o artificiales, se mantiene una faja marginal de terreno necesaria para la protección, el uso sostenible del agua, el libre tránsito, la pesca, caminos de vigilancia u otros servicios. El Reglamento determina su extensión;



Que, según el artículo 113° del Reglamento de la Ley de Recursos Hídricos, 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; las dimensiones en una o ambas 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, conforme al artículo 114° del precitado Reglamento, la delimitación de la faja marginal se realiza de acuerdo con los siguientes criterios: a. La magnitud e importancia de las estructuras hidráulica de las presas, reservorios, embalses, 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; y d. La máxima crecida o avenida de los ríos, lagos, lagunas y otras fuentes naturales de agua. No se considerarán las máximas crecidas registradas por causas de eventos excepcionales;

Que, acorde a lo establecido en el artículo 117° del Reglamento antes mencionado, la señalización en el lugar de los linderos de la faja marginal, previamente fijados por la Autoridad Administrativa del Agua, se efectuará mediante el empleo de hitos u otras señalizaciones;

Que, mediante Resolución Jefatural N° 332-2016-ANA, de fecha 28 de diciembre de 2016, se aprobó el Reglamento para la Delimitación y Mantenimiento de Fajas Marginales;

Que, el artículo 8° del precitado Reglamento, establece que el límite superior de la ribera de cauces naturales se determina utilizando la metodología del modelamiento hidráulico o de la huella máxima, asimismo, el numeral 15.2) del artículo 15° del mismo dispositivo legal, estipula que el hito tiene preferentemente forma de tronco de pirámide y puede ser de material noble (concreto armado) u otro material que no se degrade (roca), cuya colocación debe garantizar su visibilidad y permanencia;

Que, según lo señalado en el artículo 18° del Reglamento para la Delimitación y Mantenimiento de Fajas Marginales, la Administración Local de Agua (ALA), realiza la instrucción del procedimiento que comprende al menos las siguientes actuaciones: inspección ocular, solicitud de opinión al operador de infraestructura hidráulica de ser el caso y evaluación técnica conforme a las normas establecidas en el presente reglamento; asimismo, la AAA expide la resolución de delimitación de faja marginal y comunica a las autoridades competentes en materia de saneamiento físico legal, tales como Municipalidades, Superintendencia Nacional de Registros Públicos, Organismo de Formalización de la Propiedad Informal y la Superintendencia Nacional de Bienes Estatales;

Que, mediante el Oficio N° 161-2018-MDS-A, presentado el 02.07.2018 ante la Administración Local de Agua Alto Piura, la Municipalidad Distrital de Salitral – Morropón, solicita la aprobación de Estudio de Delimitación



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de la Faja Marginal de las quebradas "El Cerezo tramo de las progresivas km 0+147 al km 0+651, Palo Blanco I tramo de las progresivas km 0+000 al km 0+800 y Palo Blanco II tramo de las progresivas km 0+000 al km 0+672 y del río Piura en el tramo de las progresivas km 257+227 al km 259+427", bajo la metodología de la Huella Máxima, adjuntando para tal efecto el anexo II del Reglamento para la Delimitación y Mantenimiento de Fajas Marginales;

Que, el Área Técnica de esta Autoridad Administrativa del Agua, mediante Informe Técnico N° 168-2018-ANA-AAA.JZ-AT /HMPP, concluye lo siguiente:

- La Municipalidad Distrital de Salitral - Morropón, ha elaborado los Estudios de Delimitación de las Fajas Marginales de las quebradas El Cerezo tramo de las progresivas km 0+147 al km 0+651, Palo Blanco I tramo de las progresivas km 0+000 al km 0+800 y Palo Blanco II tramo de las progresivas km 0+000 al km 0+672 y del río Piura en el tramo de las progresivas km 257+227 al km 259+427, desde sus ejes, para lo cual, han determinado un total de vértices de 194, 235, 264 y 139 respectivamente, cuya relación se adjunta al presente.
- Acorde con los criterios establecidos por el artículo 12º del reglamento para la delimitación y mantenimiento de fajas marginales y las pendientes definidas con el levantamiento topográfico, se determinó que el ancho mínimo de las fajas marginales de las quebradas El Cerezo, Palo Blanco I y Palo Blanco II es de 4.00 m y para el río Piura es de 10.00 m.
- Los Estudios de Delimitación de las Fajas Marginales de las quebradas El Cerezo tramo de las progresivas km 0+147 al km 0+651, Palo Blanco I tramo de las progresivas km 0+000 al km 0+800 y Palo Blanco II tramo de las progresivas km 0+000 al km 0+672 y del río Piura en el tramo de las progresivas km 257+227 al km 259+427, elaborado por la Municipalidad Distrital de Salitral - Morropón, reúne los requisitos establecidos en el Nuevo Reglamento para la Delimitación y Mantenimiento de Fajas Marginales, aprobado con Resolución Jefatural N° 332-2016-ANA, por tanto, nuestra opinión es favorable a su aprobación.

Que, al respecto de la solicitud presentada por la Municipalidad Distrital de Salitral - Morropón, sobre aprobación del estudio de delimitación de la faja marginal de las Quebradas El Cerezo, Palo Blanco I, Palo Blanco II y un Tramo del Río Piura, se ha realizado la evaluación correspondiente, constatando el Área Técnica que cumple con todos los requisitos señalados en el Reglamento para la Delimitación y Mantenimiento de Fajas Marginales, aprobado con Resolución Jefatural N° 332-2016-ANA. Y, encontrándose dentro de las facultades de esta Autoridad Administrativa la aprobación de dicho estudio, corresponde mediante el presente acto administrativo aprobar lo solicitado, por encontrarse amparado por Ley;

Que, sin perjuicio de lo antes indicado, cabe precisar que de conformidad al numeral 15.1) del artículo 15º del Reglamento para la Delimitación y Mantenimiento de Fajas Marginales, aprobado con Resolución Jefatural N° 332-2016-ANA, la AAA promueve la participación de los gobiernos regionales y locales, operadores de infraestructura hidráulica y otros actores de la cuenca en la señalización de los límites de las fajas marginales a través de hitos colocados en el lindero exterior de la faja marginal. Por lo tanto, se hace necesario que esta Autoridad Administrativa realice las coordinaciones necesarias para la colocación de los hitos en el lindero exterior de la faja marginal;

Que, estando a lo opinado por el Área Legal, el visto del Área Técnica y en uso de las facultades conferidas por la Ley de Recursos Hídricos, Ley N° 29338, su Reglamento aprobado con Decreto Supremo N° 001-2010-AG y el Reglamento de Organización y Funciones de la Autoridad Nacional del Agua, aprobado mediante Decreto Supremo N° 018-2017-MINAGRI;

SE RESUELVE:

ARTICULO 1º.- Aprobar el Estudio de Delimitación de la Faja Marginal de las quebradas El Cerezo tramo de las progresivas km 0+147 al km 0+651, Palo Blanco I tramo de las progresivas km 0+000 al km 0+800 y Palo Blanco II tramo de las progresivas km 0+000 al km 0+672 y del río Piura en el tramo de las progresivas km 257+227 al km 259+427, desde sus ejes, para lo cual, han determinado un total de vértices de 194, 235, 264 y 139., cuyas coordenadas exteriores se muestran en los cuadros, anexos a la presente resolución.



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ARTÍCULO 2º.- Precisar, que esta Autoridad Administrativa del Agua, deberá realizar las coordinaciones necesarias con los gobiernos regionales y locales, operador de la infraestructura hidráulica y otros actores de la cuenca a fin de efectuar la señalización de los límites de la faja marginal a través de hitos colocados en el exterior de la faja marginal.

ARTÍCULO 3º.- Notificar la presente resolución a la Municipalidad Distrital de Salitral – Morropón, Municipalidad Provincial de Morropón, Gobierno Regional de Piura, Gerencia Regional de Saneamiento Físico Legal de la Propiedad Rural – Pro Rural, Superintendencia Nacional de Registros Públicos, Superintendencia Nacional de Bienes Estatales, Organismo de Formalización de la Propiedad Informal – COFOPRI, Junta de Usuarios del Sector Hidráulico Menor Alto Piura, y remitir copia fedateada a la Administración Local de Agua Alto Piura, disponiéndose la publicación en el portal institucional de la Autoridad Nacional del Agua, conforme a Ley.

Registrese, comuníquese y archívese



AUTORIDAD NACIONAL DEL AGUA
AUTORIDAD ADMINISTRATIVA DEL AGUA Y
MINISTERIO DE AGRICULTURA Y RIEGO
REPUBLICA DEL PERU
Ing. Elmer Garola Samaneo
DIRECTOR



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Cuadro N° 01: Coordenadas Internas y Externas-Faja Marginal quebrada El Cerezo, progresivas km 0+147 al km 0+651

| MARGEN DERECHA INTERNA | | | MARGEN DERECHA EXTERNA | | | MARGEN IZQUIERDA INTERNA | | | MARGEN IZQUIERDA EXTERNA | | |
|------------------------|-------------|--------------|------------------------|-------------|--------------|--------------------------|-------------|--------------|--------------------------|-------------|--------------|
| CODIGO | mESTE | mNORTE | CODIGO | mESTE | mNORTE | CODIGO | mESTE | mNORTE | CODIGO | mESTE | mNORTE |
| MD001 | 631956.8876 | 9403584.3490 | MD001 | 631957.9019 | 9403580.4798 | MI001 | 631948.2737 | 9403594.8869 | MI001 | 631944.3766 | 9403595.7883 |
| MD002 | 631954.9651 | 9403583.8451 | MD002 | 631956.9394 | 9403580.2275 | MI002 | 631947.9541 | 9403593.5050 | MI002 | 631944.1029 | 9403594.6050 |
| MD003 | 631953.5199 | 9403582.5181 | MD003 | 631956.5449 | 9403579.8652 | MI003 | 631946.2306 | 9403588.4592 | MI003 | 631942.2572 | 9403589.2013 |
| MD004 | 631951.6494 | 9403579.8525 | MD004 | 631955.2599 | 9403578.0340 | MI004 | 631946.1100 | 9403585.4584 | MI004 | 631942.1094 | 9403585.5242 |
| MD005 | 631950.6436 | 9403576.8301 | MD005 | 631954.7708 | 9403576.5642 | MI005 | 631946.1405 | 9403581.2752 | MI005 | 631942.1405 | 9403581.2595 |
| MD006 | 631951.3896 | 9403573.0045 | MD006 | 631955.2167 | 9403574.2779 | MI006 | 631946.1431 | 9403576.8850 | MI006 | 631942.1432 | 9403576.6156 |
| MD007 | 631953.1692 | 9403569.3186 | MD007 | 631956.6071 | 9403571.3979 | MI007 | 631946.4994 | 9403574.2397 | MI007 | 631942.5763 | 9403573.4007 |
| MD008 | 631955.3551 | 9403566.3711 | MD008 | 631958.6815 | 9403568.6007 | MI008 | 631947.2270 | 9403571.7788 | MI008 | 631943.4261 | 9403570.5266 |
| MD009 | 631957.1746 | 9403563.3551 | MD009 | 631960.4377 | 9403565.6898 | MI009 | 631948.3253 | 9403568.7604 | MI009 | 631944.7006 | 9403567.0241 |
| MD010 | 631960.8157 | 9403559.0253 | MD010 | 631963.9798 | 9403561.4776 | MI010 | 631950.0087 | 9403565.9805 | MI010 | 631946.7692 | 9403563.6080 |
| MD011 | 631964.8577 | 9403553.3571 | MD011 | 631967.7410 | 9403556.2032 | MI011 | 631951.4555 | 9403564.3300 | MI011 | 631948.3890 | 9403561.7601 |
| MD012 | 631971.5476 | 9403548.4541 | MD012 | 631974.0924 | 9403551.5483 | MI012 | 631953.7123 | 9403561.5123 | MI012 | 631950.5668 | 9403559.0411 |
| MD013 | 631980.1395 | 9403540.5446 | MD013 | 631983.1525 | 9403543.2077 | MI013 | 631956.1164 | 9403558.3921 | MI013 | 631952.9801 | 9403555.9088 |
| MD014 | 631984.0653 | 9403535.0565 | MD014 | 631987.2694 | 9403537.4525 | MI014 | 631958.1715 | 9403555.8663 | MI014 | 631954.9310 | 9403553.5111 |
| MD015 | 631987.7377 | 9403530.3560 | MD015 | 631990.5910 | 9403533.2011 | MI015 | 631961.7736 | 9403550.2950 | MI015 | 631958.4978 | 9403547.9944 |
| MD016 | 631993.1690 | 9403526.0874 | MD016 | 631995.5844 | 9403529.2767 | MI016 | 631964.0340 | 9403547.3252 | MI016 | 631961.0154 | 9403544.6868 |
| MD017 | 631999.9649 | 9403521.1296 | MD017 | 632002.3337 | 9403524.3528 | MI017 | 631968.6372 | 9403542.7276 | MI017 | 631965.8044 | 9403539.9036 |
| MD018 | 632007.0706 | 9403515.8693 | MD018 | 632009.2234 | 9403519.2524 | MI018 | 631974.4096 | 9403536.9123 | MI018 | 631971.7204 | 9403533.9435 |
| MD019 | 632011.7344 | 9403513.3447 | MD019 | 632013.9402 | 9403516.6991 | MI019 | 631976.2468 | 9403535.4176 | MI019 | 631973.6269 | 9403532.3926 |
| MD020 | 632016.2691 | 9403509.7724 | MD020 | 632019.1224 | 9403512.6168 | MI020 | 631978.7769 | 9403533.0860 | MI020 | 631975.5090 | 9403530.6580 |
| MD021 | 632018.5143 | 9403506.9041 | MD021 | 632022.1626 | 9403508.7328 | MI021 | 631979.9355 | 9403530.6983 | MI021 | 631976.0730 | 9403529.4957 |
| MD022 | 632019.6410 | 9403502.7547 | MD022 | 632023.7471 | 9403502.8972 | MI022 | 631980.4266 | 9403527.4900 | MI022 | 631976.4212 | 9403527.2207 |
| MD023 | 632018.6474 | 9403497.7439 | MD023 | 632022.5886 | 9403497.0545 | MI023 | 631980.3922 | 9403525.5352 | MI023 | 631976.3957 | 9403525.7683 |
| MD024 | 632017.4688 | 9403489.9755 | MD024 | 632021.4127 | 9403489.3041 | MI024 | 631980.1997 | 9403523.5958 | MI024 | 631976.2605 | 9403524.4067 |
| MD025 | 632016.1797 | 9403483.1499 | MD025 | 632020.0737 | 9403482.2139 | MI025 | 631979.3550 | 9403520.9322 | MI025 | 631975.3090 | 9403521.4061 |
| MD026 | 632013.9826 | 9403475.6552 | MD026 | 632017.7005 | 9403474.1189 | MI026 | 631979.5355 | 9403518.4936 | MI026 | 631975.5529 | 9403518.1111 |
| MD027 | 632011.9724 | 9403471.9625 | MD027 | 632015.2429 | 9403469.6043 | MI027 | 631979.7887 | 9403516.3500 | MI027 | 631975.8407 | 9403515.6745 |
| MD028 | 632006.8591 | 9403466.4835 | MD028 | 632010.0651 | 9403464.0561 | MI028 | 631980.1987 | 9403514.5280 | MI028 | 631976.4436 | 9403512.9950 |
| MD029 | 632004.0741 | 9403461.8922 | MD029 | 632007.3189 | 9403459.5288 | MI029 | 631980.9570 | 9403513.3018 | MI029 | 631977.8736 | 9403510.6827 |
| MD030 | 632001.2168 | 9403458.5930 | MD030 | 632004.5372 | 9403456.3170 | MI030 | 631982.5779 | 9403511.8907 | MI030 | 631979.6727 | 9403509.1165 |
| MD031 | 631998.7337 | 9403453.9157 | MD031 | 632002.2529 | 9403452.0141 | MI031 | 631984.0464 | 9403510.0379 | MI031 | 631980.9246 | 9403507.5370 |
| MD032 | 631996.1812 | 9403449.2741 | MD032 | 631999.5762 | 9403447.1466 | MI032 | 631987.2877 | 9403506.0349 | MI032 | 631984.1569 | 9403503.5451 |
| MD033 | 631993.6153 | 9403445.6555 | MD033 | 631996.6781 | 9403443.0595 | MI033 | 631991.1413 | 9403501.1005 | MI033 | 631988.1236 | 9403498.4659 |
| MD034 | 631991.2204 | 9403443.2799 | MD034 | 631993.7564 | 9403440.1613 | MI034 | 631993.8736 | 9403498.2965 | MI034 | 631991.0871 | 9403495.4246 |
| MD035 | 631988.4905 | 9403441.4753 | MD035 | 631990.7467 | 9403438.1717 | MI035 | 631996.3711 | 9403496.0056 | MI035 | 631993.6389 | 9403493.0839 |
| MD036 | 631982.3231 | 9403437.1252 | MD036 | 631984.4599 | 9403433.7375 | MI036 | 631998.8159 | 9403493.6749 | MI036 | 631996.0733 | 9403490.7630 |
| MD037 | 631978.7788 | 9403435.1375 | MD037 | 631980.9060 | 9403431.7444 | MI037 | 632000.9985 | 9403491.6438 | MI037 | 631998.0792 | 9403488.8965 |
| MD038 | 631974.1876 | 9403431.9366 | MD038 | 631976.5504 | 9403428.7077 | MI038 | 632003.2575 | 9403488.8998 | MI038 | 631999.6200 | 9403487.0248 |





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| MD039 | 631970.5176 | 9403429.1197 | MD039 | 631973.2572 | 9403426.1801 | MI039 | 632004.2823 | 9403485.0956 | MI039 | 632000.3384 | 9403484.3580 |
| MD040 | 631967.0495 | 9403425.2056 | MD040 | 631969.7754 | 9403422.2505 | MI040 | 632004.7127 | 9403481.0746 | MI040 | 632000.6541 | 9403481.4082 |
| MD041 | 631963.3552 | 9403422.4295 | MD041 | 631965.7308 | 9403419.2111 | MI041 | 632003.8955 | 9403478.1290 | MI041 | 632000.0914 | 9403479.3801 |
| MD042 | 631958.1046 | 9403418.6229 | MD042 | 631960.5314 | 9403415.4416 | MI042 | 632002.6888 | 9403474.9695 | MI042 | 631998.9954 | 9403476.5103 |
| MD043 | 631953.7927 | 9403415.1643 | MD043 | 631956.4432 | 9403412.1625 | MI043 | 632000.3884 | 9403469.8953 | MI043 | 631996.8224 | 9403471.7169 |
| MD044 | 631949.5963 | 9403411.0901 | MD044 | 631952.4157 | 9403408.2523 | MI044 | 631997.9696 | 9403465.6599 | MI044 | 631994.5832 | 9403467.7961 |
| MD045 | 631946.1170 | 9403407.5529 | MD045 | 631948.5210 | 9403404.2927 | MI045 | 631995.2501 | 9403461.7408 | MI045 | 631992.1515 | 9403464.2917 |
| MD046 | 631940.1065 | 9403404.4458 | MD046 | 631941.8991 | 9403400.8696 | MI046 | 631991.5638 | 9403457.9459 | MI046 | 631989.0156 | 9403461.0635 |
| MD047 | 631935.3828 | 9403402.1511 | MD047 | 631936.9922 | 9403398.4860 | MI047 | 631987.2652 | 9403455.1871 | MI047 | 631985.1591 | 9403458.5884 |
| MD048 | 631929.1257 | 9403399.6860 | MD048 | 631930.7376 | 9403396.0218 | MI048 | 631984.2307 | 9403453.3752 | MI048 | 631982.5160 | 9403457.0101 |
| MD049 | 631922.2376 | 9403396.3285 | MD049 | 631923.8186 | 9403392.6493 | MI049 | 631979.3582 | 9403451.6337 | MI049 | 631977.7090 | 9403455.2921 |
| MD050 | 631915.1008 | 9403393.6572 | MD050 | 631916.3819 | 9403389.8658 | MI050 | 631976.1499 | 9403449.8651 | MI050 | 631974.1898 | 9403453.3521 |
| MD051 | 631908.4145 | 9403391.6359 | MD051 | 631909.7818 | 9403387.8705 | MI051 | 631972.2555 | 9403447.6332 | MI051 | 631970.3689 | 9403451.1624 |
| MD052 | 631902.0501 | 9403388.9219 | MD052 | 631903.5350 | 9403385.2065 | MI052 | 631968.6802 | 9403445.8554 | MI052 | 631966.9651 | 9403449.4698 |
| MD053 | 631895.5191 | 9403386.4834 | MD053 | 631897.1335 | 9403382.8165 | MI053 | 631963.3344 | 9403443.4383 | MI053 | 631961.7131 | 9403447.0952 |
| MD054 | 631887.1087 | 9403382.1885 | MD054 | 631889.2849 | 9403378.8085 | MI054 | 631959.7433 | 9403441.8777 | MI054 | 631958.1831 | 9403445.5610 |
| MD055 | 631881.8107 | 9403377.9745 | MD055 | 631884.5725 | 9403375.0601 | MI055 | 631954.9596 | 9403439.9037 | MI055 | 631952.9957 | 9403443.4205 |
| MD056 | 631878.9952 | 9403374.8010 | MD056 | 631881.7385 | 9403371.8659 | MI056 | 631952.7541 | 9403438.3050 | MI056 | 631950.5498 | 9403441.6475 |
| MD057 | 631874.8670 | 9403371.6093 | MD057 | 631877.2510 | 9403368.3963 | MI057 | 631947.3028 | 9403435.0466 | MI057 | 631945.2043 | 9403438.4524 |
| MD058 | 631870.0482 | 9403368.1795 | MD058 | 631872.5965 | 9403365.0835 | MI058 | 631939.6601 | 9403430.1944 | MI058 | 631937.0430 | 9403433.2709 |
| MD059 | 631864.0626 | 9403362.5044 | MD059 | 631867.1633 | 9403359.9322 | MI059 | 631934.1876 | 9403424.0387 | MI059 | 631931.2012 | 9403426.6997 |
| MD060 | 631861.0582 | 9403357.8477 | MD060 | 631864.2418 | 9403355.4040 | MI060 | 631928.5565 | 9403417.7331 | MI060 | 631925.4322 | 9403420.2397 |
| MD061 | 631854.5991 | 9403350.7218 | MD061 | 631857.4604 | 9403347.9225 | MI061 | 631921.6538 | 9403408.1318 | MI061 | 631918.5197 | 9403410.6249 |
| MD062 | 631849.8833 | 9403346.2550 | MD062 | 631852.6100 | 9403343.3282 | MI062 | 631919.0560 | 9403405.1737 | MI062 | 631916.2377 | 9403408.0264 |
| MD063 | 631846.9643 | 9403343.5803 | MD063 | 631850.0744 | 9403341.0048 | MI063 | 631916.6112 | 9403403.0787 | MI063 | 631914.3409 | 9403406.4010 |
| MD064 | 631845.3958 | 9403341.0462 | MD064 | 631849.0364 | 9403339.3278 | MI064 | 631914.1970 | 9403401.7895 | MI064 | 631912.3014 | 9403405.3118 |
| MD065 | 631844.0616 | 9403337.1223 | MD065 | 631847.7983 | 9403335.6867 | MI065 | 631911.2096 | 9403400.1692 | MI065 | 631909.2016 | 9403403.6306 |
| MD066 | 631842.4687 | 9403333.4157 | MD066 | 631846.1592 | 9403331.8726 | MI066 | 631908.5554 | 9403398.5260 | MI066 | 631906.6684 | 9403402.0623 |
| MD067 | 631839.4939 | 9403326.0998 | MD067 | 631843.1381 | 9403324.4427 | MI067 | 631903.3837 | 9403396.1794 | MI067 | 631901.8604 | 9403399.8807 |
| MD068 | 631835.8138 | 9403318.8067 | MD068 | 631839.2430 | 9403316.7235 | MI068 | 631900.9219 | 9403395.2670 | MI068 | 631899.7340 | 9403399.0926 |
| MD069 | 631832.7594 | 9403314.5688 | MD069 | 631836.1225 | 9403312.3939 | MI069 | 631895.6548 | 9403393.9378 | MI069 | 631894.2859 | 9403397.7178 |
| MD070 | 631829.9369 | 9403309.6804 | MD070 | 631833.6372 | 9403308.0895 | MI070 | 631891.6582 | 9403392.0184 | MI070 | 631889.9962 | 9403395.6576 |
| MD071 | 631828.4636 | 9403304.7164 | MD071 | 631832.1399 | 9403303.0445 | MI071 | 631888.0876 | 9403390.4704 | MI071 | 631886.1246 | 9403393.9791 |
| MD072 | 631824.4055 | 9403298.3169 | MD072 | 631827.7358 | 9403296.0995 | MI072 | 631883.9819 | 9403387.5942 | MI072 | 631881.5604 | 9403390.7818 |
| MD073 | 631820.2015 | 9403292.2982 | MD073 | 631823.2037 | 9403289.6109 | MI073 | 631880.8102 | 9403384.9858 | MI073 | 631878.3527 | 9403388.1438 |
| MD074 | 631816.0701 | 9403288.6724 | MD074 | 631818.9269 | 9403285.8576 | MI074 | 631876.8197 | 9403382.0496 | MI074 | 631874.5335 | 9403385.3336 |
| MD075 | 631813.9932 | 9403286.2340 | MD075 | 631816.7935 | 9403283.3529 | MI075 | 631869.8148 | 9403377.4407 | MI075 | 631867.4782 | 9403380.6914 |
| MD076 | 631811.8712 | 9403284.5284 | MD076 | 631814.6884 | 9403281.6608 | MI076 | 631862.3764 | 9403371.6139 | MI076 | 631859.5179 | 9403374.4559 |
| MD077 | 631807.5004 | 9403279.2841 | MD077 | 631810.5626 | 9403276.7105 | MI077 | 631860.5443 | 9403369.2470 | MI077 | 631857.4760 | 9403371.8179 |
| MD078 | 631804.5554 | 9403275.8089 | MD078 | 631807.1180 | 9403272.6458 | MI078 | 631857.1537 | 9403365.5049 | MI078 | 631854.2591 | 9403368.2675 |
| MD079 | 631802.4894 | 9403274.6963 | MD079 | 631804.3675 | 9403271.1645 | MI079 | 631852.4703 | 9403360.8456 | MI079 | 631849.5330 | 9403363.5658 |
| MD080 | 631801.5204 | 9403272.1560 | MD080 | 631799.5711 | 9403268.6466 | MI080 | 631849.0251 | 9403356.8055 | MI080 | 631845.8813 | 9403359.2835 |





RESOLUCION DIRECTORAL No. J895 -2018-ANA-AAA-JZ-

| | | | | | | | | | | | |
|-------|-------------|--------------|-------|-------------|--------------|-------|-------------|--------------|-------|-------------|--------------|
| MD081 | 631790.8603 | 9403268.2857 | MD081 | 631792.8771 | 9403264.8311 | MI081 | 631845.9227 | 9403352.5409 | MI081 | 631842.5395 | 9403354.6898 |
| MD082 | 631787.2468 | 9403266.1255 | MD082 | 631789.6349 | 9403262.8929 | MI082 | 631842.7135 | 9403346.7053 | MI082 | 631839.2900 | 9403348.7810 |
| MD083 | 631784.2994 | 9403263.4679 | MD083 | 631787.3548 | 9403260.8369 | MI083 | 631837.2544 | 9403338.5038 | MI083 | 631833.8239 | 9403340.5689 |
| MD084 | 631781.5632 | 9403259.3346 | MD084 | 631784.7180 | 9403256.8538 | MI084 | 631832.1649 | 9403329.1096 | MI084 | 631828.5495 | 9403330.8335 |
| MD085 | 631776.1643 | 9403253.5160 | MD085 | 631779.0221 | 9403250.7151 | MI085 | 631829.2190 | 9403322.0111 | MI085 | 631825.6270 | 9403323.7912 |
| MD086 | 631771.6468 | 9403249.1524 | MD086 | 631774.2338 | 9403246.0900 | MI086 | 631825.2764 | 9403315.2329 | MI086 | 631821.8893 | 9403317.3653 |
| MD087 | 631768.9680 | 9403247.1793 | MD087 | 631771.1139 | 9403243.7919 | MI087 | 631821.0244 | 9403308.9767 | MI087 | 631817.6541 | 9403311.1339 |
| MD088 | 631764.7946 | 9403244.9289 | MD088 | 631766.8301 | 9403241.4820 | MI088 | 631815.4911 | 9403299.7837 | MI088 | 631812.0140 | 9403301.7634 |
| MD089 | 631760.7260 | 9403242.3079 | MD089 | 631763.1523 | 9403239.1127 | MI089 | 631811.4739 | 9403292.3128 | MI089 | 631808.1328 | 9403294.5454 |
| MD090 | 631756.9766 | 9403238.9752 | MD090 | 631759.6988 | 9403236.0431 | MI090 | 631804.8466 | 9403284.1975 | MI090 | 631802.0088 | 9403287.0464 |
| MD091 | 631754.1970 | 9403236.2802 | MD091 | 631756.9814 | 9403233.4084 | MI091 | 631798.7900 | 9403279.2909 | MI091 | 631796.2613 | 9403282.3903 |
| | | | | | | MI092 | 631795.1044 | 9403276.2628 | MI092 | 631792.8061 | 9403279.5514 |
| | | | | | | MI093 | 631790.6913 | 9403273.6644 | MI093 | 631788.5693 | 9403277.0569 |
| | | | | | | MI094 | 631784.4716 | 9403269.5381 | MI094 | 631782.7887 | 9403273.2218 |
| | | | | | | MI095 | 631779.2041 | 9403268.0728 | MI095 | 631777.5049 | 9403271.7520 |
| | | | | | | MI096 | 631772.8906 | 9403263.8091 | MI096 | 631770.2923 | 9403266.8811 |
| | | | | | | MI097 | 631767.3659 | 9403258.0039 | MI097 | 631764.2687 | 9403260.5517 |
| | | | | | | MI098 | 631763.4833 | 9403252.5204 | MI098 | 631760.4619 | 9403255.1752 |
| | | | | | | MI099 | 631760.0692 | 9403249.3711 | MI099 | 631757.2766 | 9403252.2370 |
| | | | | | | MI100 | 631757.2788 | 9403246.4989 | MI100 | 631754.5332 | 9403249.4132 |
| | | | | | | MI101 | 631755.2932 | 9403244.7875 | MI101 | 631753.0453 | 9403248.1308 |
| | | | | | | MI102 | 631752.2563 | 9403243.2354 | MI102 | 631749.8080 | 9403246.4762 |
| | | | | | | MI103 | 631750.2589 | 9403241.0885 | MI103 | 631747.3303 | 9403243.8131 |





RESOLUCION DIRECTORAL No. 1895 -2018-ANA-AAA-JZ-

Cuadro N° 02: Coordenadas Internas y Externas-Faja Marginal quebrada Palo Blanco I, progresivas km 0+000 al km 0+800

| MARGEN DERECHA INTERNA | | | MARGEN DERECHA EXTERNA | | | MARGEN IZQUIERDA INTERNA | | | MARGEN IZQUIERDA EXTERNA | | |
|------------------------|-------------|--------------|------------------------|-------------|--------------|--------------------------|-------------|--------------|--------------------------|-------------|--------------|
| CODIGO | mESTE | mNORTE | CODIGO | mESTE | mNORTE | CODIGO | mESTE | mNORTE | CODIGO | mESTE | mNORTE |
| MD001 | 632939.5712 | 9402633.2387 | MD001 | 632940.5462 | 9402629.3594 | MI001 | 632931.1184 | 9402653.9370 | MI001 | 632929.1858 | 9402657.4391 |
| MD002 | 632934.4183 | 9402631.9436 | MD002 | 632934.7282 | 9402627.8971 | MI002 | 632924.2375 | 9402650.1398 | MI002 | 632922.4300 | 9402653.7110 |
| MD003 | 632929.2729 | 9402632.4255 | MD003 | 632928.0266 | 9402628.5247 | MI003 | 632920.0174 | 9402648.1900 | MI003 | 632918.4983 | 9402651.8944 |
| MD004 | 632926.0139 | 9402634.3137 | MD004 | 632924.1223 | 9402630.7868 | MI004 | 632917.0089 | 9402647.1071 | MI004 | 632915.3078 | 9402650.7460 |
| MD005 | 632923.0262 | 9402635.7919 | MD005 | 632921.8123 | 9402631.9297 | MI005 | 632914.1109 | 9402645.4128 | MI005 | 632912.1404 | 9402648.8942 |
| MD006 | 632918.8005 | 9402636.4288 | MD006 | 632919.1811 | 9402632.3263 | MI006 | 632912.1067 | 9402644.3152 | MI006 | 632910.5292 | 9402648.0119 |
| MD007 | 632914.3430 | 9402634.8791 | MD007 | 632916.0869 | 9402631.2505 | MI007 | 632909.6653 | 9402643.5449 | MI007 | 632909.0618 | 9402647.5489 |
| MD008 | 632907.6427 | 9402630.6652 | MD008 | 632909.6890 | 9402627.2269 | MI008 | 632904.9998 | 9402643.5750 | MI008 | 632906.5892 | 9402647.5648 |
| MD009 | 632902.7362 | 9402627.9060 | MD009 | 632904.2758 | 9402624.1827 | MI009 | 632901.4369 | 9402646.9057 | MI009 | 632903.8205 | 9402650.1530 |
| MD010 | 632897.9833 | 9402626.5808 | MD010 | 632899.1483 | 9402622.7531 | MI010 | 632896.9819 | 9402649.4250 | MI010 | 632898.4827 | 9402653.1716 |
| MD011 | 632892.7142 | 9402624.8406 | MD011 | 632894.1191 | 9402621.0921 | MI011 | 632893.7739 | 9402650.2350 | MI011 | 632895.0630 | 9402654.0351 |
| MD012 | 632882.8283 | 9402620.6818 | MD012 | 632884.2036 | 9402616.9208 | MI012 | 632887.2004 | 9402653.0667 | MI012 | 632888.6836 | 9402656.7831 |
| MD013 | 632874.6280 | 9402618.1188 | MD013 | 632875.6228 | 9402614.2389 | MI013 | 632880.7350 | 9402655.4466 | MI013 | 632881.9085 | 9402659.2770 |
| MD014 | 632859.8875 | 9402615.1449 | MD014 | 632860.8986 | 9402611.2683 | MI014 | 632875.8678 | 9402656.6473 | MI014 | 632877.0947 | 9402660.4646 |
| MD015 | 632846.9378 | 9402610.9800 | MD015 | 632848.3306 | 9402607.2262 | MI015 | 632867.8111 | 9402659.8660 | MI015 | 632868.9345 | 9402663.7246 |
| MD016 | 632833.2240 | 9402605.1918 | MD016 | 632834.9273 | 9402601.5690 | MI016 | 632864.3511 | 9402660.5190 | MI016 | 632864.3557 | 9402664.5887 |
| MD017 | 632826.6513 | 9402601.7731 | MD017 | 632828.3776 | 9402598.1623 | MI017 | 632859.8956 | 9402659.6886 | MI017 | 632858.8516 | 9402663.5629 |
| MD018 | 632820.4766 | 9402599.0723 | MD018 | 632822.5623 | 9402595.6187 | MI018 | 632853.5327 | 9402657.4222 | MI018 | 632851.8894 | 9402661.0830 |
| MD019 | 632813.2518 | 9402593.2981 | MD019 | 632816.0000 | 9402590.3740 | MI019 | 632849.2895 | 9402655.0949 | MI019 | 632847.3206 | 9402658.5772 |
| MD020 | 632807.7150 | 9402587.1885 | MD020 | 632811.1576 | 9402585.0306 | MI020 | 632844.8095 | 9402652.4849 | MI020 | 632842.8910 | 9402655.9965 |
| MD021 | 632805.8367 | 9402582.5340 | MD021 | 632809.4038 | 9402580.6845 | MI021 | 632836.9215 | 9402648.4532 | MI021 | 632834.8720 | 9402651.8979 |
| MD022 | 632797.6612 | 9402569.8655 | MD022 | 632801.0078 | 9402567.6744 | MI022 | 632829.0507 | 9402643.0579 | MI022 | 632826.4549 | 9402646.1281 |
| MD023 | 632794.7079 | 9402565.4189 | MD023 | 632798.5075 | 9402563.9099 | MI023 | 632825.3533 | 9402639.2293 | MI023 | 632822.6347 | 9402642.1723 |
| MD024 | 632793.6529 | 9402559.2660 | MD024 | 632797.4472 | 9402557.7257 | MI024 | 632819.8864 | 9402634.7287 | MI024 | 632817.1449 | 9402637.6528 |
| MD025 | 632790.3174 | 9402554.4054 | MD025 | 632793.7616 | 9402552.3550 | MI025 | 632812.9160 | 9402627.2941 | MI025 | 632810.1271 | 9402630.1678 |
| MD026 | 632787.9633 | 9402549.7996 | MD026 | 632791.5988 | 9402548.1234 | MI026 | 632807.0289 | 9402622.0970 | MI026 | 632804.3280 | 9402625.0483 |
| MD027 | 632785.8779 | 9402544.7481 | MD027 | 632789.4323 | 9402542.8756 | MI027 | 632801.3552 | 9402616.7151 | MI027 | 632798.5378 | 9402619.5559 |
| MD028 | 632781.9033 | 9402538.6577 | MD028 | 632784.9385 | 9402535.9895 | MI028 | 632796.0939 | 9402611.2594 | MI028 | 632792.9452 | 9402613.7566 |
| MD029 | 632778.3998 | 9402535.6663 | MD029 | 632780.6257 | 9402532.3071 | MI029 | 632792.9906 | 9402606.4578 | MI029 | 632789.4107 | 9402608.2879 |
| MD030 | 632772.7539 | 9402532.8432 | MD030 | 632775.3874 | 9402529.6878 | MI030 | 632790.2418 | 9402599.4000 | MI030 | 632786.4844 | 9402600.7744 |
| MD031 | 632770.1341 | 9402529.3500 | MD031 | 632773.4794 | 9402527.1437 | MI031 | 632786.7682 | 9402589.2578 | MI031 | 632783.0450 | 9402590.7321 |
| MD032 | 632767.4722 | 9402524.7289 | MD032 | 632771.1033 | 9402523.0187 | MI032 | 632783.1129 | 9402581.1620 | MI032 | 632779.4553 | 9402582.7816 |
| MD033 | 632765.6557 | 9402519.8695 | MD033 | 632769.1757 | 9402517.8622 | MI033 | 632779.8428 | 9402573.6297 | MI033 | 632776.2162 | 9402575.3206 |
| MD034 | 632760.6254 | 9402513.6335 | MD034 | 632763.3381 | 9402510.6254 | MI034 | 632775.1433 | 9402564.2145 | MI034 | 632771.5175 | 9402565.9069 |
| MD035 | 632757.4815 | 9402511.5935 | MD035 | 632758.3554 | 9402507.3923 | MI035 | 632770.9229 | 9402554.5165 | MI035 | 632767.2884 | 9402556.1889 |
| MD036 | 632754.6568 | 9402512.0650 | MD036 | 632754.3903 | 9402508.0541 | MI036 | 632766.5901 | 9402545.5938 | MI036 | 632763.2677 | 9402547.9090 |
| MD037 | 632749.0691 | 9402511.8822 | MD037 | 632748.5193 | 9402507.8621 | MI037 | 632761.5996 | 9402540.3968 | MI037 | 632759.2268 | 9402543.7009 |
| MD038 | 632735.2598 | 9402516.2229 | MD038 | 632733.8946 | 9402512.4591 | MI038 | 632755.7051 | 9402537.6222 | MI038 | 632755.0198 | 9402541.7206 |





RESOLUCION DIRECTORAL No. 1895 -2018-ANA-AAA-JZ-

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|-------|-------------|--------------|-------|-------------|--------------|-------|-------------|--------------|-------|-------------|--------------|
| MD039 | 632716.9205 | 9402523.7902 | MD039 | 632715.2441 | 9402520.1548 | MI039 | 632751.4494 | 9402538.0861 | MI039 | 632751.7744 | 9402542.0744 |
| MD040 | 632701.5633 | 9402531.6453 | MD040 | 632699.7308 | 9402528.0897 | MI040 | 632746.7252 | 9402538.3416 | MI040 | 632748.1638 | 9402542.2696 |
| MD041 | 632692.0878 | 9402536.5660 | MD041 | 632690.2003 | 9402533.0390 | MI041 | 632742.4723 | 9402541.5619 | MI041 | 632744.6806 | 9402544.9071 |
| MD042 | 632680.5380 | 9402542.9324 | MD042 | 632678.2650 | 9402539.6179 | MI042 | 632739.6175 | 9402543.1921 | MI042 | 632741.8886 | 9402546.5014 |
| MD043 | 632667.9917 | 9402553.4670 | MD043 | 632665.3264 | 9402550.4818 | MI043 | 632736.9199 | 9402545.3918 | MI043 | 632740.3622 | 9402547.7461 |
| MD044 | 632660.3543 | 9402560.7148 | MD044 | 632657.8040 | 9402557.6205 | MI044 | 632735.7252 | 9402549.0834 | MI044 | 632739.5462 | 9402550.2677 |
| MD045 | 632653.2451 | 9402565.7837 | MD045 | 632651.7640 | 9402561.9271 | MI045 | 632734.6416 | 9402552.7399 | MI045 | 632738.2091 | 9402554.7794 |
| MD046 | 632645.2697 | 9402566.6963 | MD046 | 632646.1174 | 9402562.5732 | MI046 | 632732.2871 | 9402555.2643 | MI046 | 632734.8797 | 9402558.3491 |
| MD047 | 632639.2925 | 9402563.2780 | MD047 | 632641.1971 | 9402559.7593 | MI047 | 632729.3022 | 9402557.2098 | MI047 | 632732.3262 | 9402560.0134 |
| MD048 | 632634.9835 | 9402561.0741 | MD048 | 632637.0693 | 9402557.6481 | MI048 | 632727.6213 | 9402560.2720 | MI048 | 632731.0476 | 9402562.3428 |
| MD049 | 632631.2242 | 9402558.3848 | MD049 | 632634.3638 | 9402555.7126 | MI049 | 632725.9757 | 9402562.7551 | MI049 | 632729.3361 | 9402564.9253 |
| MD050 | 632629.2178 | 9402554.3399 | MD050 | 632632.7601 | 9402552.4797 | MI050 | 632724.3166 | 9402565.3920 | MI050 | 632727.4343 | 9402567.9480 |
| MD051 | 632625.6459 | 9402547.9034 | MD051 | 632629.1873 | 9402546.0415 | MI051 | 632720.6541 | 9402568.8656 | MI051 | 632723.1381 | 9402572.0227 |
| MD052 | 632620.8963 | 9402538.3513 | MD052 | 632624.5013 | 9402536.6173 | MI052 | 632717.4732 | 9402570.9240 | MI052 | 632719.6871 | 9402574.2558 |
| MD053 | 632617.7589 | 9402531.6037 | MD053 | 632621.3155 | 9402529.7656 | MI053 | 632714.8372 | 9402572.7221 | MI053 | 632716.9384 | 9402576.1308 |
| MD054 | 632611.8700 | 9402521.2890 | MD054 | 632615.5794 | 9402519.7186 | MI054 | 632710.9159 | 9402574.8960 | MI054 | 632712.9287 | 9402578.3537 |
| MD055 | 632609.3707 | 9402512.6688 | MD055 | 632613.2047 | 9402511.5280 | MI055 | 632706.2023 | 9402577.7739 | MI055 | 632708.0643 | 9402581.3237 |
| MD056 | 632606.5275 | 9402503.3524 | MD056 | 632610.3023 | 9402502.0178 | MI056 | 632700.1951 | 9402580.4424 | MI056 | 632702.0001 | 9402584.0175 |
| MD057 | 632603.9903 | 9402497.0631 | MD057 | 632607.5140 | 9402495.1060 | MI057 | 632679.1444 | 9402592.4131 | MI057 | 632680.7920 | 9402596.0777 |
| MD058 | 632600.3662 | 9402492.0980 | MD058 | 632603.6354 | 9402489.7922 | MI058 | 632671.1162 | 9402595.1447 | MI058 | 632671.9107 | 9402599.0996 |
| MD059 | 632597.5076 | 9402487.9020 | MD059 | 632600.5777 | 9402485.3039 | MI059 | 632661.6477 | 9402595.7945 | MI059 | 632661.5026 | 9402599.8139 |
| MD060 | 632593.3854 | 9402483.9510 | MD060 | 632595.6936 | 9402480.6227 | MI060 | 632651.2615 | 9402594.3235 | MI060 | 632651.0807 | 9402598.3378 |
| MD061 | 632584.2781 | 9402479.5682 | MD061 | 632585.7238 | 9402475.8248 | MI061 | 632644.6293 | 9402594.6599 | MI061 | 632645.2394 | 9402598.6341 |
| MD062 | 632570.6816 | 9402475.5321 | MD062 | 632571.6197 | 9402471.6380 | MI062 | 632640.6439 | 9402595.6945 | MI062 | 632641.3479 | 9402599.6443 |
| MD063 | 632560.9799 | 9402473.7243 | MD063 | 632561.6635 | 9402469.7828 | MI063 | 632636.7401 | 9402596.0814 | MI063 | 632636.5161 | 9402600.1232 |
| MD064 | 632552.9138 | 9402472.4289 | MD064 | 632554.1585 | 9402468.5775 | MI064 | 632627.3840 | 9402594.0920 | MI064 | 632625.9115 | 9402597.8683 |
| MD065 | 632543.6441 | 9402467.7677 | MD065 | 632545.6562 | 9402464.3023 | MI065 | 632616.8577 | 9402587.8665 | MI065 | 632614.6438 | 9402591.2043 |
| MD066 | 632536.1164 | 9402462.7689 | MD066 | 632538.6697 | 9402459.6628 | MI066 | 632610.9970 | 9402583.5282 | MI066 | 632608.7844 | 9402586.8670 |
| MD067 | 632529.3152 | 9402455.9066 | MD067 | 632532.3858 | 9402453.3224 | MI067 | 632605.3969 | 9402580.2222 | MI067 | 632603.9939 | 9402584.0390 |
| MD068 | 632522.8934 | 9402446.8783 | MD068 | 632526.0910 | 9402444.4728 | MI068 | 632599.1016 | 9402579.1337 | MI068 | 632598.3205 | 9402583.0580 |
| MD069 | 632517.9612 | 9402440.6737 | MD069 | 632521.0684 | 9402438.1544 | MI069 | 632596.1321 | 9402578.4643 | MI069 | 632595.4669 | 9402582.4147 |
| MD070 | 632513.6024 | 9402435.4027 | MD070 | 632516.4142 | 9402432.5262 | MI070 | 632590.2458 | 9402577.8028 | MI070 | 632590.0166 | 9402581.8022 |
| MD071 | 632507.1464 | 9402430.3065 | MD071 | 632508.9323 | 9402426.6202 | MI071 | 632585.4797 | 9402577.7906 | MI071 | 632585.7859 | 9402581.7914 |
| MD072 | 632500.8671 | 9402428.8093 | MD072 | 632501.1583 | 9402424.7666 | MI072 | 632580.4158 | 9402578.5836 | MI072 | 632581.3460 | 9402582.4867 |
| MD073 | 632493.0634 | 9402429.5154 | MD073 | 632492.4131 | 9402425.5579 | MI073 | 632575.4397 | 9402580.1917 | MI073 | 632576.3506 | 9402584.1010 |
| MD074 | 632485.1192 | 9402431.4217 | MD074 | 632483.8371 | 9402427.6158 | MI074 | 632570.4537 | 9402580.9213 | MI074 | 632570.7148 | 9402584.9257 |
| MD075 | 632478.8688 | 9402434.1708 | MD075 | 632477.1391 | 9402430.5618 | MI075 | 632566.0353 | 9402580.8546 | MI075 | 632565.6656 | 9402584.8495 |
| MD076 | 632475.1371 | 9402436.1111 | MD076 | 632473.2497 | 9402432.5841 | MI076 | 632559.3389 | 9402579.7087 | MI076 | 632558.5296 | 9402583.6284 |
| MD077 | 632471.2279 | 9402438.2631 | MD077 | 632469.9812 | 9402434.3833 | MI077 | 632554.0007 | 9402578.4151 | MI077 | 632553.1229 | 9402582.3182 |
| MD078 | 632469.7211 | 9402439.4139 | MD078 | 632468.1854 | 9402431.7644 | MI078 | 632549.4940 | 9402577.4796 | MI078 | 632548.4110 | 9402581.3401 |
| MD079 | 632468.1179 | 9402439.0278 | MD079 | 632465.1411 | 9402428.3900 | MI079 | 632544.8544 | 9402575.8263 | MI079 | 632543.7018 | 9402579.6620 |
| MD080 | 632467.2086 | 9402437.4130 | MD080 | 632459.4515 | 9402424.1084 | MI080 | 632540.9704 | 9402574.8697 | MI080 | 632540.2293 | 9402578.8067 |

Vº Bº
Ing. Eddy García Sámano
DIRECTOR
JEQUETEPÉQUE - ZARUMILLA

Vº Bº
Jorge Mirko De La Torre Zapata
ESPECIALISTA
JEQUETEPÉQUE - ZARUMILLA

Vº Bº
Hector Manuel Pinedo
ESPECIALISTA
G.R.R.H.
JEQUETEPÉQUE - ZARUMILLA



RESOLUCION DIRECTORAL No. 1895 -2018-ANA-AAA-JZ-

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|-------|-------------|--------------|-------|-------------|--------------|-------|-------------|--------------|-------|-------------|--------------|
| MD081 | 632465.0371 | 9402434.2461 | MD081 | 632456.9742 | 9402421.5506 | MI081 | 632535.4306 | 9402574.1418 | MI081 | 632535.3758 | 9402578.1690 |
| MD082 | 632462.4287 | 9402431.3549 | MD082 | 632454.9316 | 9402418.4224 | MI082 | 632529.2464 | 9402574.7838 | MI082 | 632529.5186 | 9402578.7770 |
| MD083 | 632456.7961 | 9402427.1162 | MD083 | 632454.1685 | 9402413.6137 | MI083 | 632524.4663 | 9402574.9401 | MI083 | 632524.1873 | 9402578.9514 |
| MD084 | 632453.8344 | 9402424.0583 | MD084 | 632453.6323 | 9402408.9826 | MI084 | 632518.2541 | 9402573.8638 | MI084 | 632517.7971 | 9402577.8442 |
| MD085 | 632451.1150 | 9402419.8936 | MD085 | 632450.1846 | 9402405.7934 | MI085 | 632512.7378 | 9402573.5487 | MI085 | 632512.7462 | 9402577.5557 |
| MD086 | 632450.2047 | 9402414.1574 | MD086 | 632446.3668 | 9402404.5065 | MI086 | 632507.6651 | 9402573.8597 | MI086 | 632507.8391 | 9402577.8565 |
| MD087 | 632449.8291 | 9402410.9135 | MD087 | 632440.7726 | 9402403.9090 | MI087 | 632504.5430 | 9402573.9402 | MI087 | 632503.8976 | 9402577.9582 |
| MD088 | 632448.0963 | 9402409.3106 | MD088 | 632435.9386 | 9402402.0003 | MI088 | 632501.1607 | 9402572.7274 | MI088 | 632499.4570 | 9402576.3659 |
| MD089 | 632445.5053 | 9402408.4372 | MD089 | 632425.9490 | 9402396.6416 | MI089 | 632491.9809 | 9402567.3294 | MI089 | 632489.6701 | 9402570.6109 |
| MD090 | 632439.8083 | 9402407.8288 | MD090 | 632414.8294 | 9402392.6417 | MI090 | 632484.1378 | 9402560.7831 | MI090 | 632481.3120 | 9402563.6348 |
| MD091 | 632434.2530 | 9402405.6353 | MD091 | 632402.4771 | 9402385.4570 | MI091 | 632481.0909 | 9402557.1995 | MI091 | 632477.9798 | 9402559.7156 |
| MD092 | 632424.3178 | 9402400.3060 | MD092 | 632393.7642 | 9402379.5468 | MI092 | 632477.6397 | 9402552.7110 | MI092 | 632474.5472 | 9402555.2512 |
| MD093 | 632413.1329 | 9402396.2820 | MD093 | 632386.2326 | 9402372.8607 | MI093 | 632474.6197 | 9402549.2665 | MI093 | 632471.4023 | 9402551.6643 |
| MD094 | 632400.3463 | 9402388.8450 | MD094 | 632378.4018 | 9402363.4282 | MI094 | 632471.3376 | 9402544.0444 | MI094 | 632467.9519 | 9402546.1745 |
| MD095 | 632391.3033 | 9402382.7110 | MD095 | 632373.3045 | 9402355.4269 | MI095 | 632467.9789 | 9402538.7115 | MI095 | 632464.4550 | 9402540.6221 |
| MD096 | 632383.3494 | 9402375.6500 | MD096 | 632370.8620 | 9402348.1691 | MI096 | 632466.5680 | 9402535.6479 | MI096 | 632463.1371 | 9402537.7604 |
| MD097 | 632375.1634 | 9402365.7900 | MD097 | 632367.5630 | 9402342.6519 | MI097 | 632462.4472 | 9402530.4704 | MI097 | 632459.3779 | 9402533.0373 |
| MD098 | 632369.669 | 9402357.1650 | MD098 | 632362.9148 | 9402337.6637 | MI098 | 632456.4889 | 9402523.6875 | MI098 | 632453.2090 | 9402526.0146 |
| MD099 | 632367.2081 | 9402349.8530 | MD099 | 632357.2046 | 9402333.2829 | MI099 | 632450.2561 | 9402512.6327 | MI099 | 632446.6894 | 9402514.4512 |
| MD100 | 632364.3475 | 9402345.0690 | MD100 | 632351.4592 | 9402327.0548 | MI100 | 632445.2850 | 9402501.7832 | MI100 | 632441.3050 | 9402502.6997 |
| MD101 | 632360.2156 | 9402340.6350 | MD101 | 632346.4011 | 9402321.4923 | MI101 | 632445.0976 | 9402493.6375 | MI101 | 632441.0977 | 9402493.6898 |
| MD102 | 632354.4974 | 9402336.2480 | | | | MI102 | 632445.0739 | 9402486.0862 | MI102 | 632441.0725 | 9402485.6611 |
| MD103 | 632348.5094 | 9402329.7570 | | | | MI103 | 632447.1458 | 9402476.5894 | MI103 | 632443.2242 | 9402475.7986 |
| MD104 | 632343.4417 | 9402324.1830 | | | | MI104 | 632449.5953 | 9402463.367 | MI104 | 632445.6723 | 9402462.584 |

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|-------|-------------|-------------|-------|-------------|-------------|
| MI105 | 632451.6746 | 9402453.646 | MI105 | 632447.7572 | 9402452.837 |
| MI106 | 632452.8638 | 9402447.678 | MI106 | 632448.8764 | 9402447.22 |
| MI107 | 632453.0573 | 9402441.623 | MI107 | 632449.0443 | 9402441.966 |
| MI108 | 632451.973 | 9402436.339 | MI108 | 632448.1569 | 9402437.642 |
| MI109 | 632449.0188 | 9402430.307 | MI109 | 632445.7521 | 9402432.731 |
| MI110 | 632444.419 | 9402426.028 | MI110 | 632441.4978 | 9402428.773 |
| MI111 | 632440.2317 | 9402420.927 | MI111 | 632437.6165 | 9402424.046 |
| MI112 | 632432.8535 | 9402416.777 | MI112 | 632431.749 | 9402420.745 |
| MI113 | 632425.3961 | 9402416.549 | MI113 | 632425.0557 | 9402420.541 |
| MI114 | 632418.027 | 9402415.514 | MI114 | 632417.1247 | 9402419.426 |
| MI115 | 632410.6268 | 9402413.113 | MI115 | 632409.2178 | 9402416.861 |
| MI116 | 632405.2638 | 9402410.811 | MI116 | 632404.0646 | 9402414.649 |
| MI117 | 632399.0958 | 9402409.559 | MI117 | 632397.9048 | 9402413.399 |
| MI118 | 632392.4752 | 9402406.75 | MI118 | 632390.3973 | 9402410.214 |
| MI119 | 632381.1417 | 9402397.595 | MI119 | 632378.4348 | 9402400.551 |
| MI120 | 632373.3564 | 9402389.521 | MI120 | 632370.3934 | 9402392.211 |
| MI121 | 632368.4899 | 9402383.825 | MI121 | 632365.2552 | 9402386.197 |
| MI122 | 632361.9265 | 9402373.317 | MI122 | 632358.6437 | 9402375.612 |





RESOLUCION DIRECTORAL No. J895 -2018-ANA-AAA-JZ-

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|-------|-------------|-------------|-------|-------------|-------------|
| MI123 | 632357.0164 | 9402367.015 | MI123 | 632354.0882 | 9402369.765 |
| MI124 | 632352.2975 | 9402362.838 | MI124 | 632350.389 | 9402366.490 |
| MI125 | 632346.7732 | 9402361.495 | MI125 | 632345.9266 | 9402365.406 |
| MI126 | 632341.7907 | 9402360.547 | MI126 | 632340.8826 | 9402364.446 |
| MI127 | 632336.0202 | 9402358.952 | MI127 | 632334.5015 | 9402362.682 |
| MI128 | 632332.0071 | 9402356.741 | MI128 | 632328.943 | 9402359.62 |
| MI129 | 632329.9287 | 9402352.34 | MI129 | 632326.1609 | 9402353.729 |
| MI130 | 632328.6037 | 9402347.457 | MI130 | 632324.9245 | 9402349.173 |
| MI131 | 632324.9601 | 9402342.217 | MI131 | 632321.676 | 9402344.501 |





RESOLUCION DIRECTORAL No. 1895 -2018-ANA-AAA-JZ-

Cuadro N° 03: Coordenadas Internas y Externas-Faja Marginal quebrada Palo Blanco II, progresivas km 0+000 al km 0+672

| MARGEN DERECHA INTERNA | | | MARGEN DERECHA EXTERNA | | | MARGEN IZQUIERDA INTERNA | | | MARGEN IZQUIERDA EXTERNA | | |
|------------------------|-------------|--------------|------------------------|-------------|--------------|--------------------------|-------------|--------------|--------------------------|-------------|--------------|
| CODIGO | mESTE | mNORTE | CODIGO | mESTE | mNORTE | CODIGO | mESTE | mNORTE | CODIGO | mESTE | mNORTE |
| MD001 | 633118.5768 | 9402195.7693 | MD001 | 633120.7196 | 9402192.3917 | MI001 | 633113.4951 | 9402204.4423 | MI001 | 633110.0355 | 9402206.4500 |
| MD002 | 633113.7436 | 9402192.7031 | MD002 | 633116.0995 | 9402189.4606 | MI002 | 633111.6347 | 9402201.2365 | MI002 | 633108.4134 | 9402203.6549 |
| MD003 | 633109.5895 | 9402189.2652 | MD003 | 633112.0558 | 9402186.1142 | MI003 | 633109.0295 | 9402198.5073 | MI003 | 633106.3416 | 9402201.4845 |
| MD004 | 633105.8207 | 9402186.4774 | MD004 | 633108.2660 | 9402183.3108 | MI004 | 633106.1319 | 9402196.2580 | MI004 | 633103.9651 | 9402199.6397 |
| MD005 | 633102.4736 | 9402183.7802 | MD005 | 633104.9467 | 9402180.6360 | MI005 | 633102.5895 | 9402194.4157 | MI005 | 633100.9103 | 9402198.0510 |
| MD006 | 633099.5391 | 9402181.5275 | MD006 | 633102.0532 | 9402178.4148 | MI006 | 633100.0794 | 9402193.3960 | MI006 | 633098.1197 | 9402196.9174 |
| MD007 | 633096.6137 | 9402179.0427 | MD007 | 633099.3168 | 9402176.0905 | MI007 | 633098.0155 | 9402191.8919 | MI007 | 633096.0680 | 9402195.4222 |
| MD008 | 633094.2396 | 9402176.7007 | MD008 | 633097.2221 | 9402174.0241 | MI008 | 633095.6340 | 9402190.9450 | MI008 | 633094.5060 | 9402194.8011 |
| MD009 | 633092.6367 | 9402174.6799 | MD009 | 633095.7785 | 9402172.2041 | MI009 | 633092.4293 | 9402190.3262 | MI009 | 633092.1243 | 9402194.3412 |
| MD010 | 633090.5907 | 9402172.0664 | MD010 | 633093.9185 | 9402169.8283 | MI010 | 633088.8621 | 9402190.4657 | MI010 | 633089.5919 | 9402194.4402 |
| MD011 | 633088.9152 | 9402169.1395 | MD011 | 633092.2752 | 9402166.9576 | MI011 | 633086.2216 | 9402191.3528 | MI011 | 633087.7268 | 9402195.0668 |
| MD012 | 633087.1776 | 9402166.7662 | MD012 | 633090.4088 | 9402164.4084 | MI012 | 633084.4829 | 9402192.1841 | MI012 | 633085.6789 | 9402196.0460 |
| MD013 | 633085.1745 | 9402164.0119 | MD013 | 633088.1722 | 9402161.3331 | MI013 | 633082.1828 | 9402192.5427 | MI013 | 633082.1656 | 9402196.5937 |
| MD014 | 633083.2995 | 9402162.2963 | MD014 | 633085.9012 | 9402159.2551 | MI014 | 633078.8821 | 9402191.9993 | MI014 | 633078.2286 | 9402195.9456 |
| MD015 | 633076.6344 | 9402156.9687 | MD015 | 633079.2555 | 9402153.9430 | MI015 | 633074.9118 | 9402191.3380 | MI015 | 633074.4581 | 9402195.3175 |
| MD016 | 633075.3233 | 9402155.7389 | MD016 | 633078.2803 | 9402153.0283 | MI016 | 633066.2235 | 9402190.7986 | MI016 | 633064.9277 | 9402194.7259 |
| MD017 | 633074.0978 | 9402154.1810 | MD017 | 633078.0185 | 9402152.6955 | MI017 | 633063.2521 | 9402188.8713 | MI017 | 633061.4241 | 9402192.4534 |
| MD018 | 633073.8553 | 9402149.9921 | MD018 | 633077.8430 | 9402149.6647 | MI018 | 633059.2283 | 9402187.3184 | MI018 | 633057.5665 | 9402190.9646 |
| MD019 | 633073.4384 | 9402146.0737 | MD019 | 633077.4529 | 9402145.9978 | MI019 | 633055.7055 | 9402185.4531 | MI019 | 633053.5491 | 9402188.8374 |
| MD020 | 633073.6313 | 9402143.2501 | MD020 | 633077.6217 | 9402143.5272 | MI020 | 633052.6880 | 9402183.1703 | MI020 | 633049.0482 | 9402185.4324 |
| MD021 | 633073.5960 | 9402143.2377 | MD021 | 633078.0078 | 9402141.6760 | MI021 | 633051.9224 | 9402179.1681 | MI021 | 633047.8803 | 9402179.3270 |
| MD022 | 633074.1538 | 9402140.5631 | MD022 | 633078.6837 | 9402139.8620 | MI022 | 633052.5965 | 9402173.0892 | MI022 | 633048.8029 | 9402171.0068 |
| MD023 | 633075.0802 | 9402138.0767 | MD023 | 633079.2506 | 9402138.9643 | MI023 | 633054.6739 | 9402171.4189 | MI023 | 633051.6180 | 9402168.7434 |
| MD024 | 633075.9766 | 9402136.6574 | MD024 | 633080.4649 | 9402137.4137 | MI024 | 633056.5624 | 9402168.3014 | MI024 | 633052.9367 | 9402166.5665 |
| MD025 | 633077.3960 | 9402134.8448 | MD025 | 633082.0652 | 9402135.6238 | MI025 | 633058.3429 | 9402163.3921 | MI025 | 633054.5344 | 9402162.1612 |
| MD026 | 633079.1019 | 9402132.9369 | MD026 | 633083.5694 | 9402133.9879 | MI026 | 633060.7369 | 9402154.9808 | MI026 | 633056.8342 | 9402154.0807 |
| MD027 | 633080.8128 | 9402131.0762 | MD027 | 633085.9981 | 9402131.9885 | MI027 | 633061.8037 | 9402148.9839 | MI027 | 633057.8174 | 9402148.5537 |
| MD028 | 633082.4032 | 9402129.7669 | MD028 | 633086.6737 | 9402129.0375 | MI028 | 633062.0672 | 9402142.2196 | MI028 | 633058.0620 | 9402142.2750 |
| MD029 | 633082.7989 | 9402128.0384 | MD029 | 633087.2069 | 9402127.1806 | MI029 | 633061.6402 | 9402135.8157 | MI029 | 633057.6326 | 9402135.8342 |
| MD030 | 633083.3889 | 9402125.9838 | MD030 | 633088.1118 | 9402124.5204 | MI030 | 633061.9129 | 9402131.0655 | MI030 | 633057.9091 | 9402131.0177 |
| MD031 | 633084.1613 | 9402123.7132 | MD031 | 633088.3595 | 9402121.2337 | MI031 | 633061.7482 | 9402126.1491 | MI031 | 633057.7610 | 9402126.5981 |
| MD032 | 633084.3654 | 9402121.0055 | MD032 | 633088.4669 | 9402118.4767 | MI032 | 633060.4454 | 9402119.4040 | MI032 | 633056.5405 | 9402120.2793 |
| MD033 | 633084.4678 | 9402118.3766 | MD033 | 633088.4996 | 9402115.5359 | MI033 | 633058.8328 | 9402113.0945 | MI033 | 633055.1009 | 9402114.6467 |
| MD034 | 633084.4984 | 9402115.6235 | MD034 | 633088.2865 | 9402111.6570 | MI034 | 633056.4571 | 9402109.1143 | MI034 | 633053.0671 | 9402111.2393 |
| MD035 | 633084.3252 | 9402112.4705 | MD035 | 633086.8836 | 9402107.8163 | MI035 | 633055.3234 | 9402107.3905 | MI035 | 633052.1186 | 9402109.7970 |
| MD036 | 633083.2786 | 9402109.6054 | MD036 | 633084.5346 | 9402104.1606 | MI036 | 633053.2959 | 9402105.0145 | MI036 | 633050.8448 | 9402108.3044 |
| MD037 | 633081.2592 | 9402106.4626 | MD037 | 633082.7802 | 9402101.8723 | MI037 | 633049.7823 | 9402103.4612 | MI037 | 633048.4192 | 9402107.2320 |
| MD038 | 633079.6176 | 9402104.3214 | MD038 | 633080.7113 | 9402099.2273 | MI038 | 633046.2437 | 9402102.4533 | MI038 | 633045.3492 | 9402106.3576 |





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| MD039 | 633077.7109 | 9402101.8838 | MD039 | 633078.4728 | 9402096.9895 | MI039 | 633042.7534 | 9402101.8435 | MI039 | 633042.0244 | 9402105.7767 |
| MD040 | 633075.7240 | 9402099.8976 | MD040 | 633076.0678 | 9402094.8404 | MI040 | 633039.1152 | 9402101.1304 | MI040 | 633038.3044 | 9402105.0476 |
| MD041 | 633073.3707 | 9402097.7947 | MD041 | 633073.2733 | 9402092.2342 | MI041 | 633034.1945 | 9402100.0575 | MI041 | 633033.4653 | 9402103.9925 |
| MD042 | 633070.5926 | 9402095.2037 | MD042 | 633070.1366 | 9402089.4935 | MI042 | 633029.3332 | 9402099.3138 | MI042 | 633028.5710 | 9402103.2437 |
| MD043 | 633067.6303 | 9402092.6154 | MD043 | 633067.2039 | 9402087.3335 | MI043 | 633021.3337 | 9402097.4296 | MI043 | 633020.3632 | 9402101.3105 |
| MD044 | 633064.8829 | 9402090.5919 | MD044 | 633063.7057 | 9402084.9245 | MI044 | 633015.5783 | 9402095.9062 | MI044 | 633014.5922 | 9402099.7830 |
| MD045 | 633061.2749 | 9402088.1073 | MD045 | 633061.4618 | 9402083.0292 | MI045 | 633009.6146 | 9402094.4507 | MI045 | 633008.4341 | 9402098.2800 |
| MD046 | 633058.6367 | 9402085.8789 | MD046 | 633059.9291 | 9402081.2463 | MI046 | 633002.5232 | 9402091.7922 | MI046 | 633001.2393 | 9402095.5827 |
| MD047 | 633056.5490 | 9402083.4503 | MD047 | 633057.6819 | 9402076.5411 | MI047 | 632991.1504 | 9402088.3428 | MI047 | 632990.0198 | 9402092.1798 |
| MD048 | 633054.1293 | 9402078.3840 | MD048 | 633056.1614 | 9402073.8320 | MI048 | 632982.5412 | 9402085.8800 | MI048 | 632981.6593 | 9402089.7882 |
| MD049 | 633052.8896 | 9402076.1753 | MD049 | 633053.1650 | 9402070.4946 | MI049 | 632973.7444 | 9402084.4127 | MI049 | 632973.0938 | 9402088.3594 |
| MD050 | 633050.2131 | 9402073.1941 | MD050 | 633051.8298 | 9402069.0610 | MI050 | 632963.3179 | 9402082.7142 | MI050 | 632962.7706 | 9402086.6778 |
| MD051 | 633048.9207 | 9402071.8066 | MD051 | 633049.7381 | 9402066.8737 | MI051 | 632953.2482 | 9402081.5721 | MI051 | 632953.0349 | 9402085.5736 |
| MD052 | 633046.8908 | 9402069.6839 | MD052 | 633047.6287 | 9402064.8030 | MI052 | 632943.8485 | 9402081.6326 | MI052 | 632943.9774 | 9402085.6319 |
| MD053 | 633045.5417 | 9402068.3595 | MD053 | 633045.0562 | 9402064.0488 | MI053 | 632936.4805 | 9402082.0605 | MI053 | 632936.6757 | 9402086.0559 |
| MD054 | 633044.2577 | 9402067.9831 | MD054 | 633041.9905 | 9402063.6938 | MI054 | 632931.7332 | 9402082.2487 | MI054 | 632931.9706 | 9402086.2424 |
| MD055 | 633042.5257 | 9402067.7825 | MD055 | 633038.8681 | 9402064.9251 | MI055 | 632916.9033 | 9402083.4249 | MI055 | 632916.9089 | 9402087.4370 |
| MD056 | 633040.4267 | 9402068.6102 | MD056 | 633035.5280 | 9402066.4353 | MI056 | 632902.6947 | 9402082.3378 | MI056 | 632902.4390 | 9402086.3299 |
| MD057 | 633036.9052 | 9402070.2025 | MD057 | 633032.0854 | 9402067.4115 | MI057 | 632888.8665 | 9402081.6238 | MI057 | 632888.4945 | 9402085.6099 |
| MD058 | 633033.2762 | 9402071.2315 | MD058 | 633028.4861 | 9402068.6365 | MI058 | 632879.7042 | 9402080.3838 | MI058 | 632878.8451 | 9402084.3040 |
| MD059 | 633029.4972 | 9402072.5177 | MD059 | 633023.3838 | 9402069.5736 | MI059 | 632874.5847 | 9402078.8173 | MI059 | 632873.6589 | 9402082.7171 |
| MD060 | 633024.1437 | 9402073.5009 | MD060 | 633018.4961 | 9402070.5675 | MI060 | 632868.3297 | 9402077.7487 | MI060 | 632867.6408 | 9402081.6890 |
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| MD063 | 633010.5269 | 9402076.6945 | MD063 | 633008.1959 | 9402073.0737 | MI063 | 632849.5241 | 9402071.4800 | MI063 | 632847.7553 | 9402075.0704 |
| MD064 | 633008.3927 | 9402077.1107 | MD064 | 633006.3159 | 9402072.8942 | MI064 | 632843.7303 | 9402068.3724 | MI064 | 632841.6724 | 9402071.8077 |
| MD065 | 633005.8850 | 9402076.8713 | MD065 | 633003.1210 | 9402072.5069 | MI065 | 632840.4567 | 9402066.1941 | MI065 | 632838.0791 | 9402069.4167 |
| MD066 | 633002.4959 | 9402076.4604 | MD066 | 632997.7260 | 9402071.4525 | MI066 | 632836.0921 | 9402062.6346 | MI066 | 632833.4597 | 9402065.6493 |
| MD067 | 632997.0991 | 9402075.4057 | MD067 | 632992.6043 | 9402070.8269 | MI067 | 632832.2173 | 9402059.0141 | MI067 | 632829.4883 | 9402061.9386 |
| MD068 | 632992.4287 | 9402074.8352 | MD068 | 632988.5678 | 9402070.9641 | MI068 | 632828.6646 | 9402055.7032 | MI068 | 632825.7987 | 9402058.5001 |
| MD069 | 632988.4612 | 9402074.9700 | MD069 | 632983.6841 | 9402070.5372 | MI069 | 632826.0346 | 9402052.7395 | MI069 | 632823.1037 | 9402055.4631 |
| MD070 | 632983.1884 | 9402074.5091 | MD070 | 632979.3693 | 9402069.8359 | MI070 | 632824.1151 | 9402050.7666 | MI070 | 632821.1939 | 9402053.5002 |
| MD071 | 632978.4511 | 9402073.7392 | MD071 | 632972.2830 | 9402067.6366 | MI071 | 632822.5964 | 9402049.0790 | MI071 | 632819.6107 | 9402051.7409 |
| MD072 | 632971.5210 | 9402071.5883 | MD072 | 632963.5505 | 9402066.9362 | MI072 | 632820.7345 | 9402046.9710 | MI072 | 632817.7877 | 9402049.6770 |
| MD073 | 632963.3421 | 9402070.9323 | MD073 | 632953.4406 | 9402066.6919 | MI073 | 632818.5744 | 9402044.7080 | MI073 | 632815.6540 | 9402047.4416 |
| MD074 | 632953.5239 | 9402070.6951 | MD074 | 632945.7485 | 9402067.1983 | MI074 | 632816.6500 | 9402042.6114 | MI074 | 632813.7530 | 9402045.3706 |
| MD075 | 632946.1191 | 9402071.1826 | MD075 | 632935.9859 | 9402068.3730 | MI075 | 632815.2547 | 9402041.1995 | MI075 | 632812.4206 | 9402044.0223 |
| MD076 | 632936.3325 | 9402072.3601 | MD076 | 632923.4848 | 9402069.0449 | MI076 | 632813.4551 | 9402039.4068 | MI076 | 632810.6154 | 9402042.2240 |
| MD077 | 632923.7011 | 9402073.0390 | MD077 | 632914.3011 | 9402069.5459 | MI077 | 632811.2627 | 9402037.1706 | MI077 | 632808.3955 | 9402039.9597 |
| MD078 | 632914.4334 | 9402073.5446 | MD078 | 632903.8285 | 9402069.6680 | MI078 | 632809.4175 | 9402035.2588 | MI078 | 632806.4344 | 9402037.9279 |
| MD079 | 632903.5520 | 9402073.6715 | MD079 | 632888.5837 | 9402067.3706 | MI079 | 632807.9688 | 9402033.5112 | MI079 | 632804.8202 | 9402035.9806 |
| MD080 | 632887.9507 | 9402071.3204 | MD080 | 632879.1879 | 9402065.7746 | MI080 | 632806.5562 | 9402031.6060 | MI080 | 632803.4028 | 9402034.0690 |

Vº Bº
Ing. Elmer García Sanan
DIRECTOR
AUTORIDAD ADMINISTRATIVA DEL AGUA
SEDE TEPEPEQUE - ZARUMILLA

Vº Bº
Sergio Márko De Lamas Zapata
ESPECIALISTA A.J.
AUTORIDAD ADMINISTRATIVA DEL AGUA
SEDE TEPEPEQUE - ZARUMILLA

Vº Bº
Hector Manuel Pareja Gómez
ESPECIALISTA G.R.R.H.
AUTORIDAD ADMINISTRATIVA DEL AGUA
SEDE TEPEPEQUE - ZARUMILLA



RESOLUCION DIRECTORAL No. 1895 -2018-ANA-AAA-JZ-

| | | | | | | | | | | | |
|-------|-------------|--------------|-------|-------------|--------------|-------|-------------|--------------|-------|-------------|--------------|
| MD081 | 632878.4604 | 9402069.7083 | MD081 | 632867.0408 | 9402063.3439 | MI081 | 632805.1182 | 9402029.8571 | MI081 | 632801.9758 | 9402032.3334 |
| MD082 | 632866.0116 | 9402067.2172 | MD082 | 632857.1996 | 9402060.0613 | MI082 | 632803.9959 | 9402028.3705 | MI082 | 632800.8991 | 9402030.9073 |
| MD083 | 632855.6409 | 9402063.7580 | MD083 | 632847.9699 | 9402055.3020 | MI083 | 632803.0434 | 9402027.2975 | MI083 | 632799.9665 | 9402029.8566 |
| MD084 | 632846.0051 | 9402058.7893 | MD084 | 632841.8486 | 9402051.5484 | MI084 | 632801.6358 | 9402025.4897 | MI084 | 632798.6306 | 9402028.1410 |
| MD085 | 632839.4179 | 9402054.7500 | MD085 | 632837.2784 | 9402047.3020 | MI085 | 632799.5626 | 9402023.4118 | MI085 | 632796.8434 | 9402026.3497 |
| MD086 | 632834.4886 | 9402050.1700 | MD086 | 632829.8058 | 9402039.6929 | MI086 | 632797.8026 | 9402021.9083 | MI086 | 632795.1475 | 9402024.9010 |
| MD087 | 632826.9531 | 9402042.4969 | MD087 | 632823.4009 | 9402033.1827 | MI087 | 632795.7351 | 9402020.0037 | MI087 | 632793.0506 | 9402022.9693 |
| MD088 | 632820.4841 | 9402035.9215 | MD088 | 632815.8842 | 9402024.7944 | MI088 | 632793.3584 | 9402017.8896 | MI088 | 632790.8819 | 9402021.0402 |
| MD089 | 632812.9548 | 9402027.5192 | MD089 | 632807.6320 | 9402016.2467 | MI089 | 632791.2878 | 9402016.4567 | MI089 | 632788.8529 | 9402019.6361 |
| MD090 | 632804.7619 | 9402019.0328 | MD090 | 632802.0074 | 9402010.4843 | MI090 | 632789.3172 | 9402014.7910 | MI090 | 632787.0893 | 9402018.1453 |
| MD091 | 632799.3928 | 9402013.5322 | MD091 | 632793.3561 | 9402004.3007 | MI091 | 632786.6645 | 9402013.4407 | MI091 | 632784.7932 | 9402016.9766 |
| MD092 | 632791.3849 | 9402007.8085 | MD092 | 632784.6678 | 9402000.5924 | MI092 | 632785.3903 | 9402012.7402 | MI092 | 632783.5002 | 9402016.2657 |
| MD093 | 632783.0485 | 9402004.2504 | MD093 | 632777.1193 | 9401997.1296 | MI093 | 632783.5214 | 9402011.7635 | MI093 | 632782.0361 | 9402015.5006 |
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| MD095 | 632767.1110 | 9401999.4525 | MD095 | 632760.1570 | 9401994.9863 | MI095 | 632779.5746 | 9402010.9315 | MI095 | 632779.2698 | 9402014.9301 |
| MD096 | 632759.8541 | 9401998.9750 | MD096 | 632753.3570 | 9401994.4008 | MI096 | 632774.4706 | 9402010.9069 | MI096 | 632774.4760 | 9402014.9070 |
| MD097 | 632753.1201 | 9401998.3952 | MD097 | 632747.5272 | 9401994.2107 | MI097 | 632770.5587 | 9402010.9364 | MI097 | 632769.9898 | 9402014.9408 |
| MD098 | 632747.1163 | 9401998.1994 | MD098 | 632740.7362 | 9401993.0261 | MI098 | 632765.8136 | 9402009.5216 | MI098 | 632764.6707 | 9402013.3548 |
| MD099 | 632740.0627 | 9401996.9690 | MD099 | 632731.0240 | 9401991.4024 | MI099 | 632762.2983 | 9402008.4735 | MI099 | 632761.2011 | 9402012.3204 |
| MD100 | 632730.2766 | 9401995.3330 | MD100 | 632722.5482 | 9401989.5943 | MI100 | 632755.4713 | 9402006.6139 | MI100 | 632754.5601 | 9402010.5114 |
| MD101 | 632721.5469 | 9401993.4707 | MD101 | 632711.5022 | 9401986.2334 | MI101 | 632747.4187 | 9402005.0370 | MI101 | 632746.7223 | 9402008.9766 |
| MD102 | 632710.3091 | 9401990.0514 | MD102 | 632703.5146 | 9401983.6711 | MI102 | 632735.7975 | 9402003.2029 | MI102 | 632735.0269 | 9402007.1308 |
| MD103 | 632702.2129 | 9401987.4543 | MD103 | 632691.6586 | 9401979.3113 | MI103 | 632725.8545 | 9402000.8651 | MI103 | 632724.8429 | 9402004.7363 |
| MD104 | 632690.3665 | 9401983.0980 | MD104 | 632682.7494 | 9401976.5035 | MI104 | 632714.2035 | 9401997.5115 | MI104 | 632713.2097 | 9402001.3879 |
| MD105 | 632681.2360 | 9401980.2205 | MD105 | 632676.2430 | 9401973.2147 | MI105 | 632704.3466 | 9401995.2900 | MI105 | 632703.2993 | 9401999.1543 |
| MD106 | 632674.4081 | 9401976.7692 | MD106 | 632668.6514 | 9401969.2134 | MI106 | 632690.7239 | 9401990.9614 | MI106 | 632689.4970 | 9401994.7686 |
| MD107 | 632666.4394 | 9401972.5691 | MD107 | 632660.8973 | 9401962.9359 | MI107 | 632684.8900 | 9401989.0551 | MI107 | 632683.4517 | 9401992.7932 |
| MD108 | 632658.3857 | 9401966.0491 | MD108 | 632655.8323 | 9401958.8636 | MI108 | 632677.8133 | 9401985.9051 | MI108 | 632676.1411 | 9401989.5391 |
| MD109 | 632653.3567 | 9401962.0058 | MD109 | 632649.4918 | 9401953.9691 | MI109 | 632672.0121 | 9401983.1475 | MI109 | 632670.0614 | 9401986.6491 |
| MD110 | 632647.2158 | 9401957.2653 | MD110 | 632641.4763 | 9401949.0401 | MI110 | 632664.0531 | 9401978.0144 | MI110 | 632661.7944 | 9401981.3174 |
| MD111 | 632639.3808 | 9401952.4487 | MD111 | 632634.7149 | 9401944.6526 | MI111 | 632658.4305 | 9401973.9424 | MI111 | 632656.0793 | 9401977.1785 |
| MD112 | 632632.8660 | 9401948.2212 | MD112 | 632626.4949 | 9401941.3653 | MI112 | 632653.7840 | 9401970.5556 | MI112 | 632651.2828 | 9401973.6823 |
| MD113 | 632624.7279 | 9401944.9667 | MD113 | 632618.8502 | 9401936.8671 | MI113 | 632648.6029 | 9401966.0156 | MI113 | 632646.0503 | 9401969.0972 |
| MD114 | 632616.9562 | 9401940.3938 | MD114 | 632614.8461 | 9401934.9140 | MI114 | 632643.7810 | 9401962.2421 | MI114 | 632641.5379 | 9401965.5659 |
| MD115 | 632612.6316 | 9401938.2843 | MD115 | 632611.9311 | 9401932.4145 | MI115 | 632637.6307 | 9401958.6939 | MI115 | 632635.4044 | 9401962.0274 |
| MD116 | 632609.2388 | 9401935.3751 | MD116 | 632608.9889 | 9401929.5779 | MI116 | 632633.7784 | 9401955.7386 | MI116 | 632631.5971 | 9401959.1067 |
| MD117 | 632606.1215 | 9401932.3696 | MD117 | 632605.9680 | 9401926.2719 | MI117 | 632630.0572 | 9401953.7297 | MI117 | 632628.3606 | 9401957.3594 |
| MD118 | 632603.1345 | 9401929.1008 | MD118 | 632601.4990 | 9401922.1747 | MI118 | 632625.5865 | 9401951.9467 | MI118 | 632624.2810 | 9401955.7324 |
| MD119 | 632598.7441 | 9401925.0757 | MD119 | 632597.1353 | 9401917.8826 | MI119 | 632619.2364 | 9401950.0885 | MI119 | 632618.0953 | 9401953.9223 |
| MD120 | 632594.5925 | 9401920.9921 | MD120 | 632591.3996 | 9401914.0105 | MI120 | 632610.8182 | 9401947.5405 | MI120 | 632609.6048 | 9401951.3525 |
| MD121 | 632589.2270 | 9401917.3700 | MD121 | 632586.9111 | 9401911.2318 | MI121 | 632604.2682 | 9401945.3523 | MI121 | 632602.9637 | 9401949.1338 |
| MD122 | 632584.9806 | 9401914.7412 | MD122 | 632581.2584 | 9401908.4909 | MI122 | 632598.0337 | 9401943.1333 | MI122 | 632596.9058 | 9401946.9777 |





RESOLUCION DIRECTORAL No. 1895-2018-ANA-AAA-JZ-

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|-------|-------------|--------------|-------|-------------|--------------|-------|-------------|--------------|-------|-------------|--------------|
| MD123 | 632579.5531 | 9401912.1094 | MD123 | 632575.6580 | 9401905.9271 | MI123 | 632591.8571 | 9401941.6948 | MI123 | 632590.5155 | 9401945.4894 |
| MD124 | 632573.9114 | 9401909.5267 | MD124 | 632570.8656 | 9401903.4673 | MI124 | 632585.4698 | 9401938.6026 | MI124 | 632583.5018 | 9401942.0940 |
| MD125 | 632569.3582 | 9401907.1897 | MD125 | 632566.0504 | 9401902.0023 | MI125 | 632581.5819 | 9401936.0792 | MI125 | 632579.1602 | 9401939.2760 |
| MD126 | 632565.2072 | 9401905.9268 | MD126 | 632558.4845 | 9401901.0291 | MI126 | 632576.5068 | 9401931.6197 | MI126 | 632573.8933 | 9401934.6481 |
| MD127 | 632558.5944 | 9401905.0762 | MD127 | 632551.7159 | 9401902.2764 | MI127 | 632572.5867 | 9401928.2972 | MI127 | 632569.6700 | 9401931.0686 |
| MD128 | 632552.3207 | 9401906.2323 | MD128 | 632545.9614 | 9401902.9773 | MI128 | 632571.1457 | 9401926.4095 | MI128 | 632568.3150 | 9401929.2935 |
| MD129 | 632546.4451 | 9401906.9480 | | | | MI129 | 632568.0521 | 9401924.1379 | MI129 | 632565.7590 | 9401927.4166 |
| | | | | | | MI130 | 632564.4689 | 9401921.7529 | MI130 | 632562.6293 | 9401925.3335 |
| | | | | | | MI131 | 632561.0320 | 9401920.4517 | MI131 | 632559.5844 | 9401924.1807 |
| | | | | | | MI132 | 632557.2686 | 9401918.9543 | MI132 | 632555.6787 | 9401922.6267 |
| | | | | | | MI133 | 632553.7511 | 9401917.3049 | MI133 | 632552.1215 | 9401920.9587 |
| | | | | | | MI134 | 632550.3783 | 9401915.8765 | MI134 | 632548.9796 | 9401919.6281 |
| | | | | | | MI135 | 632547.2921 | 9401914.8772 | MI135 | 632546.0599 | 9401918.6827 |





RESOLUCION DIRECTORAL No. J895 -2018-ANA-AAA-JZ-

Cuadro N° 04: Coordenadas Internas y Externas-Faja Marginal río Piura, progresivas km 257+227 al km 259+427

| MARGEN DERECHA INTERNA | | | MARGEN DERECHA EXTERNA | | | MARGEN IZQUIERDA INTERNA | | | MARGEN IZQUIERDA EXTERNA | | |
|------------------------|-------------|--------------|------------------------|-------------|--------------|--------------------------|-------------|--------------|--------------------------|-------------|--------------|
| CODIGO | mESTE | mNORTE | CODIGO | mESTE | mNORTE | CODIGO | mESTE | mNORTE | CODIGO | mESTE | mNORTE |
| MD001 | 634289.6203 | 9401401.5242 | MD001 | 634294.9189 | 9401410.0050 | MI001 | 634036.7210 | 9401225.1481 | MI001 | 634036.3767 | 9401215.1540 |
| MD002 | 634258.2206 | 9401421.1421 | MD002 | 634261.5682 | 9401430.8419 | MI002 | 633990.0148 | 9401226.7573 | MI002 | 633989.7534 | 9401216.7604 |
| MD003 | 634224.4060 | 9401424.7465 | MD003 | 634229.4777 | 9401434.2625 | MI003 | 633987.9760 | 9401226.7937 | MI003 | 633987.2771 | 9401216.8046 |
| MD004 | 634209.7560 | 9401442.2228 | MD004 | 634219.1079 | 9401446.6329 | MI004 | 633935.3201 | 9401233.2414 | MI004 | 633933.6437 | 9401223.3720 |
| MD005 | 634205.1907 | 9401466.8027 | MD005 | 634214.5311 | 9401471.2749 | MI005 | 633934.5381 | 9401233.4119 | MI005 | 633931.3933 | 9401223.8626 |
| MD006 | 634187.8035 | 9401487.0538 | MD006 | 634194.7475 | 9401494.3171 | MI006 | 633896.4179 | 9401250.5086 | MI006 | 633892.2818 | 9401241.4039 |
| MD007 | 634160.9431 | 9401508.0954 | MD007 | 634167.0894 | 9401515.9836 | MI007 | 633856.7798 | 9401268.7457 | MI007 | 633853.5588 | 9401259.2200 |
| MD008 | 634137.4133 | 9401526.3310 | MD008 | 634145.0004 | 9401533.1026 | MI008 | 633803.8435 | 9401280.6347 | MI008 | 633802.1834 | 9401270.7584 |
| MD009 | 634120.7707 | 9401553.7314 | MD009 | 634129.1698 | 9401559.1662 | MI009 | 633769.8796 | 9401284.4598 | MI009 | 633768.1580 | 9401274.5905 |
| MD010 | 634094.7605 | 9401591.5232 | MD010 | 634102.2261 | 9401598.3143 | MI010 | 633747.6641 | 9401289.7375 | MI010 | 633742.3806 | 9401280.7144 |
| MD011 | 634041.3172 | 9401636.2968 | MD011 | 634046.3599 | 9401645.1177 | MI011 | 633727.4365 | 9401311.6877 | MI011 | 633719.1521 | 9401305.9210 |
| MD012 | 633954.9510 | 9401666.9754 | MD012 | 633956.6045 | 9401677.0002 | MI012 | 633717.8696 | 9401330.4468 | MI012 | 633708.6952 | 9401326.4252 |
| MD013 | 633871.6123 | 9401665.7766 | MD013 | 633872.3479 | 9401675.7882 | MI013 | 633708.1925 | 9401356.5804 | MI013 | 633698.2736 | 9401354.5694 |
| MD014 | 633825.0682 | 9401673.3394 | MD014 | 633827.1809 | 9401683.1273 | MI014 | 633707.2381 | 9401377.5795 | MI014 | 633697.3083 | 9401375.8089 |
| MD015 | 633785.6887 | 9401683.9881 | MD015 | 633788.3636 | 9401693.6239 | MI015 | 633704.0330 | 9401387.6720 | MI015 | 633694.8296 | 9401383.6138 |
| MD016 | 633746.6612 | 9401695.1036 | MD016 | 633749.6640 | 9401704.6460 | MI016 | 633692.4266 | 9401407.7981 | MI016 | 633685.3290 | 9401400.0884 |
| MD017 | 633691.2825 | 9401714.2134 | MD017 | 633695.1074 | 9401723.4722 | MI017 | 633681.0386 | 9401413.1659 | MI017 | 633675.4746 | 9401404.7333 |
| MD018 | 633625.4408 | 9401746.1183 | MD018 | 633630.7488 | 9401754.6584 | MI018 | 633674.9205 | 9401418.5974 | MI018 | 633665.9318 | 9401413.2052 |
| MD019 | 633574.1316 | 9401786.0203 | MD019 | 633580.8334 | 9401793.4764 | MI019 | 633668.0760 | 9401447.0711 | MI019 | 633658.7946 | 9401442.8966 |
| MD020 | 633503.8697 | 9401858.8524 | MD020 | 633511.3843 | 9401865.4660 | MI020 | 633658.0965 | 9401461.3673 | MI020 | 633650.6046 | 9401454.6293 |
| MD021 | 633464.9894 | 9401907.3296 | MD021 | 633472.7490 | 9401913.6378 | MI021 | 633638.6256 | 9401478.2829 | MI021 | 633632.2747 | 9401470.5536 |
| MD022 | 633430.7782 | 9401948.8476 | MD022 | 633439.3389 | 9401954.1835 | MI022 | 633612.4825 | 9401498.5872 | MI022 | 633606.2555 | 9401490.7617 |
| MD023 | 633404.0974 | 9402007.7147 | MD023 | 633414.0322 | 9402010.0189 | MI023 | 633591.7531 | 9401515.4847 | MI023 | 633585.3343 | 9401507.8155 |
| MD024 | 633402.1038 | 9402073.5900 | MD024 | 633412.1228 | 9402073.1132 | MI024 | 633573.5312 | 9401531.1418 | MI024 | 633566.7166 | 9401523.8127 |
| MD025 | 633409.8675 | 9402135.1963 | MD025 | 633419.9542 | 9402135.2567 | MI025 | 633549.2502 | 9401555.5614 | MI025 | 633542.7239 | 9401547.9424 |
| MD026 | 633403.1262 | 9402183.9718 | MD026 | 633412.8799 | 9402186.4417 | MI026 | 633527.9149 | 9401571.0636 | MI026 | 633522.3141 | 9401562.7721 |
| MD027 | 633383.7543 | 9402235.6444 | MD027 | 633393.0245 | 9402239.4039 | MI027 | 633505.7890 | 9401584.9298 | MI027 | 633500.8763 | 9401576.2071 |
| MD028 | 633345.6712 | 9402322.8190 | MD028 | 633354.6745 | 9402327.1895 | MI028 | 633481.5860 | 9401597.1035 | MI028 | 633476.8728 | 9401588.2805 |
| MD029 | 633319.0635 | 9402372.4657 | MD029 | 633328.2922 | 9402376.4156 | MI029 | 633468.3332 | 9401604.6078 | MI029 | 633463.9872 | 9401595.5768 |
| MD030 | 633298.4878 | 9402435.2190 | MD030 | 633307.7880 | 9402438.9509 | MI030 | 633447.0126 | 9401613.1686 | MI030 | 633443.2740 | 9401603.8937 |
| MD031 | 633264.9730 | 9402505.2483 | MD031 | 633274.6308 | 9402508.2331 | MI031 | 633436.8953 | 9401617.2626 | MI031 | 633431.9125 | 9401608.4912 |
| MD032 | 633258.8820 | 9402544.7171 | MD032 | 633268.6228 | 9402547.1639 | MI032 | 633429.2366 | 9401623.0692 | MI032 | 633422.9952 | 9401615.2521 |
| MD033 | 633241.8858 | 9402592.9064 | MD033 | 633251.1140 | 9402596.8065 | MI033 | 633414.5067 | 9401635.4471 | MI033 | 633407.5166 | 9401628.2591 |
| MD034 | 633229.0042 | 9402618.8641 | MD034 | 633237.8750 | 9402623.4844 | MI034 | 633404.0872 | 9401647.1664 | MI034 | 633396.7725 | 9401640.3435 |
| MD035 | 633200.3408 | 9402671.3665 | MD035 | 633209.7646 | 9402674.9739 | MI035 | 633398.5777 | 9401652.7973 | MI035 | 633390.9175 | 9401646.3275 |
| MD036 | 633185.3384 | 9402735.0253 | MD036 | 633194.8797 | 9402738.1341 | MI036 | 633393.4459 | 9401659.8625 | MI036 | 633385.0732 | 9401654.3736 |
| MD037 | 633143.8027 | 9402833.6752 | MD037 | 633153.3111 | 9402836.8622 | MI037 | 633388.9825 | 9401667.4389 | MI037 | 633380.0609 | 9401662.8817 |
| MD038 | 633126.6027 | 9402901.5130 | MD038 | 633136.4548 | 9402903.3442 | MI038 | 633383.4404 | 9401680.1160 | MI038 | 633374.0220 | 9401676.6953 |





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|-------|-------------|--------------|-------|-------------|--------------|-------|-------------|--------------|-------|-------------|--------------|
| MD039 | 633116.5972 | 9402985.0285 | MD039 | 633126.5097 | 9402986.3560 | MI039 | 633380.0621 | 9401691.6629 | MI039 | 633370.3426 | 9401689.2714 |
| MD040 | 633107.5683 | 9403045.9941 | MD040 | 633117.4702 | 9403047.3927 | MI040 | 633377.3075 | 9401705.4000 | MI040 | 633367.5209 | 9401703.3428 |
| MD041 | 633105.7153 | 9403059.7806 | MD041 | 633115.6262 | 9403061.1126 | MI041 | 633374.2750 | 9401719.1886 | MI041 | 633364.5383 | 9401716.9046 |
| | | | | | | MI042 | 633371.3721 | 9401730.8322 | MI042 | 633362.0216 | 9401726.9991 |
| | | | | | | MI043 | 633366.0674 | 9401739.8084 | MI043 | 633357.3706 | 9401734.8692 |
| | | | | | | MI044 | 633360.1726 | 9401750.6177 | MI044 | 633351.6180 | 9401745.4179 |
| | | | | | | MI045 | 633352.0533 | 9401762.6641 | MI045 | 633343.6785 | 9401757.1974 |
| | | | | | | MI046 | 633330.3549 | 9401797.0012 | MI046 | 633321.7674 | 9401791.8711 |
| | | | | | | MI047 | 633317.1519 | 9401820.4157 | MI047 | 633308.3450 | 9401815.6747 |
| | | | | | | MI048 | 633302.1380 | 9401849.6642 | MI048 | 633293.2296 | 9401845.1210 |
| | | | | | | MI049 | 633290.7589 | 9401872.1226 | MI049 | 633281.8763 | 9401867.5284 |
| | | | | | | MI050 | 633276.6485 | 9401898.8541 | MI050 | 633267.9179 | 9401893.9720 |
| | | | | | | MI051 | 633263.2994 | 9401921.4263 | MI051 | 633254.8515 | 9401916.0662 |
| | | | | | | MI052 | 633253.4730 | 9401935.8913 | MI052 | 633245.6412 | 9401929.6243 |
| | | | | | | MI053 | 633236.4185 | 9401954.0878 | MI053 | 633229.0097 | 9401947.3694 |
| | | | | | | MI054 | 633219.8791 | 9401972.9407 | MI054 | 633212.3517 | 9401966.3575 |
| | | | | | | MI055 | 633203.8019 | 9401991.3812 | MI055 | 633196.2968 | 9401984.7724 |
| | | | | | | MI056 | 633192.6738 | 9402003.8935 | MI056 | 633184.4398 | 9401998.1043 |
| | | | | | | MI057 | 633182.2959 | 9402022.9500 | MI057 | 633173.1364 | 9402018.8603 |
| | | | | | | MI058 | 633176.6006 | 9402038.9889 | MI058 | 633167.2595 | 9402035.4107 |
| | | | | | | MI059 | 633166.0755 | 9402064.5622 | MI059 | 633157.0160 | 9402060.2998 |
| | | | | | | MI060 | 633159.6451 | 9402076.6445 | MI060 | 633150.4265 | 9402072.6809 |
| | | | | | | MI061 | 633154.9202 | 9402090.7590 | MI061 | 633145.4241 | 9402087.6243 |
| | | | | | | MI062 | 633150.2374 | 9402105.1467 | MI062 | 633140.3513 | 9402103.2105 |
| | | | | | | MI063 | 633149.1674 | 9402119.9509 | MI063 | 633139.2247 | 9402118.7977 |
| | | | | | | MI064 | 633147.0874 | 9402132.9403 | MI064 | 633137.3027 | 9402130.7999 |
| | | | | | | MI065 | 633144.3097 | 9402142.9021 | MI065 | 633134.9902 | 9402139.0934 |
| | | | | | | MI066 | 633134.8032 | 9402160.1389 | MI066 | 633125.7502 | 9402155.8470 |
| | | | | | | MI067 | 633127.5568 | 9402178.1861 | MI067 | 633118.4530 | 9402174.0433 |
| | | | | | | MI068 | 633121.4207 | 9402190.2246 | MI068 | 633112.5483 | 9402185.6109 |
| | | | | | | MI069 | 633113.9328 | 9402204.3623 | MI069 | 633104.9277 | 9402199.9991 |
| | | | | | | MI070 | 633105.2121 | 9402224.1391 | MI070 | 633096.0546 | 9402220.1216 |
| | | | | | | MI071 | 633094.6657 | 9402248.3023 | MI071 | 633085.2853 | 9402244.7954 |
| | | | | | | MI072 | 633087.5956 | 9402270.8395 | MI072 | 633077.8929 | 9402268.3601 |
| | | | | | | MI073 | 633081.3274 | 9402302.3452 | MI073 | 633071.5041 | 9402300.4718 |
| | | | | | | MI074 | 633075.8063 | 9402332.6008 | MI074 | 633066.1153 | 9402330.0028 |
| | | | | | | MI075 | 633068.1392 | 9402354.0466 | MI075 | 633058.7665 | 9402350.5583 |
| | | | | | | MI076 | 633058.4490 | 9402379.0869 | MI076 | 633049.2258 | 9402375.2121 |
| | | | | | | MI077 | 633044.8395 | 9402409.0612 | MI077 | 633035.7132 | 9402404.9729 |
| | | | | | | MI078 | 633032.1261 | 9402437.8296 | MI078 | 633022.9909 | 9402433.7616 |
| | | | | | | MI079 | 633018.7226 | 9402467.7005 | MI079 | 633009.8594 | 9402463.0262 |
| | | | | | | MI080 | 633003.4121 | 9402492.7374 | MI080 | 632994.8972 | 9402487.4936 |





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| | | | | | | MI081 | 632980.5495 | 9402529.6017 | MI081 | 632971.7748 | 9402524.7769 |
| | | | | | | MI082 | 632969.5190 | 9402552.4168 | MI082 | 632960.3523 | 9402548.4027 |
| | | | | | | MI083 | 632960.4215 | 9402575.5189 | MI083 | 632951.1105 | 9402571.8712 |
| | | | | | | MI084 | 632939.5901 | 9402628.9697 | MI084 | 632930.3797 | 9402625.0639 |
| | | | | | | MI085 | 632930.5387 | 9402648.6784 | MI085 | 632921.5221 | 9402644.3506 |
| | | | | | | MI086 | 632921.2390 | 9402667.2395 | MI086 | 632911.9870 | 9402663.3816 |
| | | | | | | MI087 | 632912.2330 | 9402693.9106 | MI087 | 632902.6845 | 9402690.9308 |
| | | | | | | MI088 | 632906.4523 | 9402714.0631 | MI088 | 632897.1692 | 9402710.1578 |
| | | | | | | MI089 | 632892.4126 | 9402738.7511 | MI089 | 632883.7002 | 9402733.8424 |
| | | | | | | MI090 | 632876.8361 | 9402766.6581 | MI090 | 632868.1682 | 9402761.6697 |
| | | | | | | MI091 | 632861.5319 | 9402792.4612 | MI091 | 632853.0096 | 9402787.2273 |
| | | | | | | MI092 | 632851.2380 | 9402808.6578 | MI092 | 632842.6501 | 9402803.5270 |
| | | | | | | MI093 | 632843.3695 | 9402822.6945 | MI093 | 632834.2213 | 9402818.5633 |
| | | | | | | MI094 | 632836.4071 | 9402842.5400 | MI094 | 632827.1008 | 9402838.8594 |
| | | | | | | MI095 | 632827.9038 | 9402861.7970 | MI095 | 632818.8854 | 9402857.4645 |
| | | | | | | MI096 | 632815.0201 | 9402886.5518 | MI096 | 632806.2874 | 9402881.6702 |
| | | | | | | MI097 | 632794.3036 | 9402921.1451 | MI097 | 632785.6265 | 9402916.1707 |
| | | | | | | MI098 | 632788.2147 | 9402932.2511 | MI098 | 632779.4461 | 9402927.4437 |

