



RESOLUCION DIRECTORAL No. 602 -2018-ANA-AAA-JZ-V

Piura, 05 MAR. 2018

VISTO:

El expediente administrativo con CUT N°: 28245-2018, ingresado y tramitado ante la Autoridad Administrativa del Agua Jequetepeque Zarumilla código V, sobre aprobación de estudio de delimitación de faja marginal del río Tumbes, en el tramo cauce antiguo, desembocadura al mar – Sector Malpelo: Km 0+000 – Km 12+000, cauce actual, desembocadura al mar – sector El Bruno: Km 0+000 – 53 + 000, 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 primario de 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 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, 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, esta Autoridad Administrativa del agua, en el marco del desarrollo de la meta N° 004 "Desarrollo de Estudios de Vulnerabilidad y Riesgos en Servicios Públicos", ha elaborado los estudios de delimitación de la faja marginal del río Tumbes, cauce antiguo, desembocadura al mar – Sector Malpelo: Km 0+000 – Km 12+000, cauce actual, desembocadura al mar – sector El Bruno: Km 0+000 – 53 + 000;

Que, el Área Técnica de esta Autoridad Administrativa del Agua, mediante Informe N° 010-2018-ANA-AAA JZ-AT/CALC, concluye lo siguiente:





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- En el tramo de estudio se ha determinado que un área total de 7,462.3952 ha. que se superponen con el cauce y la faja marginal del río Tumbes, de cuyo total de 5,993.2707 ha se dedican a la actividad agrícola, 1,445.6606 ha a la actividad acuícola y 23.4639 ha corresponden a áreas urbanas.
- Acorde con los criterios establecido por el artículo 12° del Reglamento para la Delimitación y Mantenimiento de Fajas Marginales y las pendientes definitivas con el levantamiento topográfico, se determinó que el ancho mínimo de la faja marginal, en ambos márgenes del río Tumbes, en el tramo de estudio, es de 10.00 m.

Que, en el marco del desarrollo de la Meta N° 004 "Desarrollo de Estudios de Vulnerabilidad y Riesgos en Servicios Públicos", la Autoridad Nacional del Agua, encargó a esta Autoridad Administrativa del Agua, la elaboración de los estudios de delimitación de la faja marginal del río Tumbes, cauce antiguo, desembocadura al mar – Sector Malpelo: Km 0+000 – Km 12+000, cauce actual, desembocadura al mar – sector El Bruno: Km 0+000 – 53 + 000, realizada la evaluación correspondiente y según lo informado por el Área Técnica, se 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 el presente estudio;

Que, sin perjuicio de lo antes indicado, cabe precisar que de conformidad al numeral 15.1) del artículo 15° 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 1°.- Aprobar** el Estudio de Delimitación de la faja marginal del río Tumbes, cauce antiguo, desembocadura al mar – Sector Malpelo: Km 0+000 – Km 12+000, cauce actual, desembocadura al mar – sector El Bruno: Km 0+000 – 53 + 000, elaborado con la metodología de la huella máxima, cuyas coordenadas interiores y exteriores se muestran en los cuadros anexos a la presente resolución.

**ARTÍCULO 2°.- 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 3°.- Notificar** la presente resolución al Gobierno Regional de Tumbes, 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, Municipalidad Provincial de Tumbes, Municipalidad Distrital de Pampas de Hospital, Municipalidad Distrital de San Jacinto, Municipalidad Distrital San Juan de la Virgen, Municipalidad Distrital Corrales, Municipalidad Distrital de Tumbes, Junta de Usuarios del Sector Hidráulico Menor Tumbes y remitir copia fedateada a la Administración Local de Agua Tumbes, disponiéndose la publicación en el portal institucional de la Autoridad Nacional del Agua, conforme a Ley.

Regístrese, comuníquese y archívese



MINISTERIO DE AGRICULTURA Y RIEGO  
 AUTORIDAD NACIONAL DEL AGUA  
 JEQUETEPEQUE - ZARUMILLA  
 Ing. Juan José Gómez Murillo  
 DIRECTOR



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| COORDENADAS DEL LIMITE SUPERIOR DE LA RIBERA Y DE LA FAJA MARGINAL DEL RIO TUMBES (MARGEN DERECHA) |             |              |                                 |             |              |          |
|--|-------------|--------------|---------------------------------|-------------|--------------|----------|
| MARGEN DERECHA (MDE)   |             |              | LIMITE SUPERIOR DE RIBERA (MDI) |             |              |          |
| ID   | ESTE (m)    | NORTE (m)    | ID                              | ESTE (m)    | NORTE (m)    | COTA (m) |
| MDE-001  | 561218.7129 | 9613469.3001 | MDI-001                         | 561208.7168 | 9613469.0221 | 0.053    |
| MDE-002  | 561221.3137 | 9613375.6372 | MDI-002                         | 561211.3137 | 9613375.6372 | 0.263    |
| MDE-003  | 561218.3973 | 9613270.6421 | MDI-003                         | 561208.3980 | 9613270.8076 | 0.474    |
| MDE-004  | 561217.8471 | 9613158.5942 | MDI-004                         | 561207.8463 | 9613158.4548 | 0.712    |
| MDE-005  | 561221.1695 | 9613056.9605 | MDI-005                         | 561211.1749 | 9613056.6338 | 0.936    |
| MDE-006  | 561224.4431 | 9612956.8207 | MDI-006                         | 561214.4484 | 9612956.4940 | 1.114    |
| MDE-007  | 561227.7699 | 9612855.0525 | MDI-007                         | 561217.7753 | 9612854.7258 | 1.334    |
| MDE-008  | 561231.2549 | 9612748.4475 | MDI-008                         | 561221.2602 | 9612748.1208 | 1.513    |
| MDE-009  | 561234.8672 | 9612637.9452 | MDI-009                         | 561224.8726 | 9612637.6185 | 1.696    |
| MDE-010  | 561238.3567 | 9612531.2020 | MDI-010                         | 561228.3620 | 9612530.8752 | 1.878    |
| MDE-011  | 561242.1940 | 9612413.8176 | MDI-011                         | 561232.1994 | 9612413.4909 | 2.054    |
| MDE-012  | 561245.8653 | 9612301.5119 | MDI-012                         | 561235.8707 | 9612301.1851 | 2.236    |
| MDE-013  | 561249.4987 | 9612190.3670 | MDI-013                         | 561239.5040 | 9612190.0403 | 2.412    |
| MDE-014  | 561253.3502 | 9612072.5496 | MDI-014                         | 561243.3555 | 9612072.2229 | 2.597    |
| MDE-015  | 561257.0093 | 9611960.4539 | MDI-015                         | 561247.0093 | 9611960.4539 | 2.778    |
| MDE-016  | 561246.7050 | 9611840.5299 | MDI-016                         | 561236.7509 | 9611841.4823 | 2.958    |
| MDE-017  | 561233.8825 | 9611718.5740 | MDI-017                         | 561223.8951 | 9611719.2180 | 3.136    |
| MDE-018  | 561230.8217 | 9611590.0171 | MDI-018                         | 561220.8232 | 9611590.1994 | 3.314    |
| MDE-019  | 561229.4466 | 9611470.5175 | MDI-019                         | 561219.4466 | 9611470.5717 | 3.494    |
| MDE-020  | 561229.4466 | 9611354.9812 | MDI-020                         | 561219.4466 | 9611352.4652 | 3.673    |
| MDE-021  | 561261.9503 | 9611294.4743 | MDI-021                         | 561253.1409 | 9611289.7420 | 3.829    |





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| MDE-022 | 561295.8452 | 9611231.3775 | MDI-022 | 561288.2384 | 9611224.4066 | 4.045 |
| MDE-023 | 561370.7523 | 9611182.2853 | MDI-023 | 561365.2709 | 9611173.9214 | 4.608 |
| MDE-024 | 561448.5989 | 9611131.1835 | MDI-024 | 561442.1711 | 9611123.5230 | 4.613 |
| MDE-025 | 561514.1567 | 9611055.1958 | MDI-025 | 561506.5766 | 9611048.6734 | 4.624 |
| MDE-026 | 561568.5711 | 9610991.4315 | MDI-026 | 561559.6463 | 9610986.9977 | 4.639 |
| MDE-027 | 561587.8195 | 9610898.8528 | MDI-027 | 561577.8202 | 9610898.7308 | 4.603 |
| MDE-028 | 561588.2319 | 9610815.7380 | MDI-028 | 561578.7924 | 9610819.0390 | 4.519 |
| MDE-029 | 561511.8031 | 9610720.0917 | MDI-029 | 561503.4307 | 9610725.6402 | 4.424 |
| MDE-030 | 561450.7892 | 9610606.1416 | MDI-030 | 561441.3884 | 9610609.7694 | 4.453 |
| MDE-031 | 561426.6968 | 9610509.7721 | MDI-031 | 561415.9883 | 9610508.1692 | 4.476 |
| MDE-032 | 561492.0281 | 9610401.3051 | MDI-032 | 561485.0336 | 9610393.5361 | 4.491 |
| MDE-033 | 561595.5794 | 9610352.8970 | MDI-033 | 561591.3445 | 9610343.8380 | 4.619 |
| MDE-034 | 561725.0723 | 9610287.2936 | MDI-034 | 561720.6062 | 9610278.3461 | 4.402 |
| MDE-035 | 561855.5966 | 9610223.2347 | MDI-035 | 561851.2466 | 9610214.2301 | 4.134 |
| MDE-036 | 561977.4681 | 9610165.4188 | MDI-036 | 561973.1770 | 9610156.3863 | 3.785 |
| MDE-037 | 562107.1869 | 9610103.7055 | MDI-037 | 562102.9335 | 9610094.6551 | 3.573 |
| MDE-038 | 562209.5069 | 9610056.0640 | MDI-038 | 562205.2859 | 9610046.9985 | 3.437 |
| MDE-039 | 562324.5727 | 9610002.0306 | MDI-039 | 562317.9436 | 9609994.5437 | 3.725 |
| MDE-040 | 562405.2906 | 9609819.9743 | MDI-040 | 562396.2353 | 9609815.7234 | 3.724 |
| MDE-041 | 562502.1268 | 9609627.0924 | MDI-041 | 562493.6302 | 9609621.7284 | 3.734 |
| MDE-042 | 562592.4941 | 9609510.8811 | MDI-042 | 562585.1733 | 9609504.0052 | 3.745 |
| MDE-043 | 562653.7326 | 9609456.2552 | MDI-043 | 562645.2916 | 9609450.8932 | 3.865 |
| MDE-044 | 562672.2659 | 9609393.1970 | MDI-044 | 562662.2715 | 9609392.8611 | 3.880 |
| MDE-045 | 562667.1263 | 9609336.5881 | MDI-045 | 562657.1685 | 9609337.5061 | 3.382 |
| MDE-046 | 562658.0685 | 9609290.0887 | MDI-046 | 562647.9965 | 9609290.6921 | 3.495 |





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| 046     |             |              | 046     |             |                    |
| MDE-047 | 562664.2051 | 9609205.2055 | MDI-047 | 562654.2495 | 9609206.1471 3.713 |
| MDE-048 | 562647.8437 | 9609145.1031 | MDI-048 | 562639.2055 | 9609150.1411 3.448 |
| MDE-049 | 562587.5136 | 9609085.2595 | MDI-049 | 562580.5005 | 9609092.3881 3.877 |
| MDE-050 | 562514.2656 | 9609023.2495 | MDI-050 | 562507.7585 | 9609030.8431 3.642 |
| MDE-051 | 562443.6803 | 9608961.9847 | MDI-051 | 562437.1155 | 9608969.5281 3.466 |
| MDE-052 | 562369.6426 | 9608897.3819 | MDI-052 | 562363.0455 | 9608904.8971 3.586 |
| MDE-053 | 562279.1357 | 9608817.5436 | MDI-053 | 562272.5795 | 9608825.0941 3.711 |
| MDE-054 | 562218.1635 | 9608765.4313 | MDI-054 | 562211.3025 | 9608772.7221 4.053 |
| MDE-055 | 562168.6175 | 9608714.1289 | MDI-055 | 562161.3635 | 9608721.0128 3.953 |
| MDE-056 | 562106.2514 | 9608647.2016 | MDI-056 | 562099.3365 | 9608654.4254 3.926 |
| MDE-057 | 562036.5740 | 9608580.9039 | MDI-057 | 562031.5815 | 9608589.5684 3.397 |
| MDE-058 | 561967.0573 | 9608540.9298 | MDI-058 | 561962.0544 | 9608549.5885 3.556 |
| MDE-059 | 561921.0392 | 9608514.0766 | MDI-059 | 561913.7956 | 9608521.4278 3.567 |
| MDE-060 | 561847.9074 | 9608393.1265 | MDI-060 | 561840.2470 | 9608399.5543 3.572 |
| MDE-061 | 561744.6350 | 9608301.7756 | MDI-061 | 561736.2061 | 9608307.6732 3.586 |
| MDE-062 | 561711.5918 | 9608217.4995 | MDI-062 | 561702.2818 | 9608221.1498 3.599 |
| MDE-063 | 561669.9414 | 9608111.5783 | MDI-063 | 561661.2812 | 9608116.5783 3.627 |
| MDE-064 | 561611.8031 | 9608025.6484 | MDI-064 | 561604.1427 | 9608032.0763 3.653 |
| MDE-065 | 561523.4921 | 9607934.5034 | MDI-065 | 561518.3712 | 9607943.0927 3.691 |
| MDE-066 | 561414.5010 | 9607903.8027 | MDI-066 | 561411.8197 | 9607913.4365 3.738 |
| MDE-067 | 561286.9624 | 9607868.3053 | MDI-067 | 561284.1341 | 9607877.8982 3.773 |
| MDE-068 | 561169.5696 | 9607831.8143 | MDI-068 | 561167.8331 | 9607841.6624 3.814 |
| MDE-069 | 561057.1526 | 9607817.8297 | MDI-069 | 561045.4154 | 9607826.4479 3.857 |
| MDE-070 | 561074.5401 | 9607722.5021 | MDI-070 | 561064.6630 | 9607720.9390 3.933 |





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| MDE-071         | 561091.9301  | 9607612.6145    | MDI-071      | 561082.0890 | 9607610.8240 | 4.203 |
| MDE-072         | 561117.8261  | 9607486.9676    | MDI-072      | 561108.0940 | 9607484.6480 | 4.326 |
| MDE-073         | 561165.7470  | 9607310.0971    | MDI-073      | 561156.0950 | 9607307.4820 | 4.178 |
| MDE-074         | 561039.8140  | 9607198.6660    | MDI-074      | 561039.8140 | 9607198.6660 | 4.836 |
| MDE-075         | 560979.9210  | 9607143.7290    | MDI-075      | 560979.9210 | 9607143.7290 | 4.842 |
| MDE-076         | 560899.7462  | 9607077.3405    | MDI-076      | 560899.7462 | 9607077.3405 | 4.354 |
| MDE-077         | 560793.8253  | 9607010.9299    | MDI-077      | 560793.8253 | 9607010.9299 | 3.843 |
| MDE-078         | 560682.3730  | 9606935.6160    | MDI-078      | 560682.3730 | 9606935.6160 | 3.487 |
| MDE-079         | 560604.0780  | 9606844.8800    | MDI-079      | 560604.0780 | 9606844.8800 | 3.638 |
| MDE-080         | 560541.8528  | 9606753.1411    | MDI-080      | 560541.8528 | 9606753.1411 | 4.018 |
| MDE-081         | 560479.1497  | 9606656.6266    | MDI-081      | 560479.1497 | 9606656.6266 | 4.100 |
| MDE-082         | 560396.5990  | 9606529.0618    | MDI-082      | 560396.5990 | 9606529.0618 | 1.394 |
| MDE-083         | 560348.0135  | 9606450.8030    | MDI-083      | 560348.0135 | 9606450.8030 | 1.478 |
| MDE-084         | 560299.3858  | 9606378.5939    | MDI-084      | 560299.3858 | 9606378.5939 | 1.505 |
| MDE-085         | 560244.6736  | 9606301.7747    | MDI-085      | 560244.6736 | 9606301.7747 | 1.970 |
| MDE-086         | 560160.5661  | 9606353.5147    | MDI-086      | 560160.5661 | 9606353.5147 | 1.799 |
| MDE-087         | 560050.6361  | 9606427.5686    | MDI-087      | 560050.6361 | 9606427.5686 | 1.848 |
| MDE-088         | 559940.4747  | 9606492.7789    | MDI-088      | 559934.6660 | 9606494.2818 | 1.949 |
| MDE-089         | 559893.2580  | 9606310.2965    | MDI-089      | 559887.4413 | 9606311.7683 | 5.079 |
| MDE-090         | 559854.4882  | 9606152.5710    | MDI-090      | 559848.7686 | 9606154.3835 | 5.465 |
| MDE-091         | 559808.0267  | 9606007.1317    | MDI-091      | 559803.2574 | 9606010.7722 | 5.440 |
| MDE-092         | 559683.3484  | 9605891.7241    | MDI-092      | 559679.2749 | 9605896.1294 | 5.662 |
| MDE-093         | 559592.4193  | 9605814.6668    | MDI-093      | 559588.4547 | 9605819.1718 | 5.943 |
| MDE-094         | 559528.3119  | 9605756.0446    | MDI-094      | 559522.1946 | 9605758.5811 | 5.777 |
| MDE-559533.6894 | 9605633.7471 | MDI-559527.8260 | 9605630.5090 | 18.744      |              |       |





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| 095     |             |              | 095     |             |              |        |
| MDE-096 | 559675.3337 | 9605535.6473 | MDI-096 | 559671.4770 | 9605531.0510 | 18.181 |
| MDE-097 | 559807.0193 | 9605412.8557 | MDI-097 | 559802.4230 | 9605408.9990 | 18.854 |
| MDE-098 | 559854.1929 | 9605331.9688 | MDI-098 | 559849.2090 | 9605328.6040 | 17.640 |
| MDE-099 | 559953.0074 | 9605204.8342 | MDI-099 | 559948.4070 | 9605200.9760 | 17.856 |
| MDE-100 | 560007.6491 | 9605144.3778 | MDI-100 | 560003.2010 | 9605140.3510 | 17.887 |
| MDE-101 | 560082.1263 | 9605062.4594 | MDI-101 | 560077.9470 | 9605058.1370 | 17.931 |
| MDE-102 | 560158.0418 | 9604997.9522 | MDI-102 | 560154.1800 | 9604993.3600 | 17.850 |
| MDE-103 | 560242.8048 | 9604927.6692 | MDI-103 | 560239.0250 | 9604923.0090 | 17.744 |
| MDE-104 | 560313.7130 | 9604871.3907 | MDI-104 | 560309.9830 | 9604866.6910 | 17.052 |
| MDE-105 | 560410.1906 | 9604789.8657 | MDI-105 | 560405.6240 | 9604785.9740 | 17.526 |
| MDE-106 | 560428.6161 | 9604768.2449 | MDI-106 | 560424.7800 | 9604763.4960 | 17.233 |
| MDE-107 | 560582.2335 | 9604685.4476 | MDI-107 | 560578.6216 | 9604680.6568 | 9.975  |
| MDE-108 | 560664.1183 | 9604601.5626 | MDI-108 | 560661.1718 | 9604595.9899 | 9.863  |
| MDE-109 | 560697.4645 | 9604595.6780 | MDI-109 | 560697.1552 | 9604589.6399 | 9.763  |
| MDE-110 | 560845.4135 | 9604605.8022 | MDI-110 | 560843.2055 | 9604600.2232 | 9.674  |
| MDE-111 | 560928.4624 | 9604538.0156 | MDI-111 | 560922.6710 | 9604536.4470 | 9.489  |
| MDE-112 | 560916.0895 | 9604476.2007 | MDI-112 | 560909.8800 | 9604475.8340 | 9.407  |
| MDE-113 | 560934.6717 | 9604421.2217 | MDI-113 | 560928.9876 | 9604419.3005 | 9.446  |
| MDE-114 | 560951.2948 | 9604371.8249 | MDI-114 | 560945.3860 | 9604370.7830 | 9.424  |
| MDE-115 | 560961.5249 | 9604282.2255 | MDI-115 | 560955.5690 | 9604281.4970 | 8.765  |
| MDE-116 | 560971.3520 | 9604206.7430 | MDI-116 | 560965.3520 | 9604206.7430 | 8.256  |
| MDE-117 | 560964.2683 | 9604137.8238 | MDI-117 | 560958.3000 | 9604138.4400 | 8.998  |
| MDE-118 | 560938.1943 | 9604052.2431 | MDI-118 | 560932.4570 | 9604053.9990 | 8.611  |
| MDE-119 | 560910.5306 | 9603969.7128 | MDI-119 | 560904.7570 | 9603971.3670 | 14.165 |





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|---------|-------------|--------------|---------|-------------|--------------|--------|
| MDE-120 | 560893.6340 | 9603899.0046 | MDI-120 | 560887.7170 | 9603900.0590 | 14.619 |
| MDE-121 | 560880.8552 | 9603791.2747 | MDI-121 | 560874.8940 | 9603791.9560 | 14.794 |
| MDE-122 | 560872.8413 | 9603720.8092 | MDI-122 | 560866.8580 | 9603721.2960 | 14.732 |
| MDE-123 | 560869.6749 | 9603656.6478 | MDI-123 | 560863.7220 | 9603657.3980 | 14.634 |
| MDE-124 | 560859.6011 | 9603576.7108 | MDI-124 | 560853.6470 | 9603577.4520 | 14.586 |
| MDE-125 | 560844.1904 | 9603451.4740 | MDI-125 | 560838.2920 | 9603452.5720 | 15.645 |
| MDE-126 | 560831.9960 | 9603389.2579 | MDI-126 | 560826.1080 | 9603390.4120 | 16.323 |
| MDE-127 | 560812.3938 | 9603337.0583 | MDI-127 | 560806.7800 | 9603339.1760 | 15.468 |
| MDE-128 | 560790.7272 | 9603285.9910 | MDI-128 | 560785.2040 | 9603288.3350 | 15.837 |
| MDE-129 | 560769.9572 | 9603241.6670 | MDI-129 | 560764.7610 | 9603244.6670 | 16.925 |
| MDE-130 | 560728.8373 | 9603182.2908 | MDI-130 | 560723.6130 | 9603185.2860 | 17.737 |
| MDE-131 | 560691.8718 | 9603102.7581 | MDI-131 | 560686.3550 | 9603105.1240 | 17.825 |
| MDE-132 | 560665.5543 | 9603035.9964 | MDI-132 | 560659.9700 | 9603038.1910 | 17.901 |
| MDE-133 | 560637.4496 | 9602963.4776 | MDI-133 | 560632.0130 | 9602966.0160 | 18.224 |
| MDE-134 | 560602.7678 | 9602889.1966 | MDI-134 | 560597.2630 | 9602891.5890 | 18.827 |
| MDE-135 | 560578.2509 | 9602828.4466 | MDI-135 | 560572.8500 | 9602831.0600 | 18.843 |
| MDE-136 | 560542.9439 | 9602756.0028 | MDI-136 | 560538.4620 | 9602759.9920 | 18.785 |
| MDE-137 | 560504.9286 | 9602723.5698 | MDI-137 | 560500.3690 | 9602727.5680 | 18.767 |
| MDE-138 | 560464.8328 | 9602661.5885 | MDI-138 | 560459.1930 | 9602663.9170 | 18.891 |
| MDE-139 | 560449.5217 | 9602589.3392 | MDI-139 | 560443.5290 | 9602590.0020 | 18.936 |
| MDE-140 | 560447.9909 | 9602456.8856 | MDI-140 | 560441.9620 | 9602454.4190 | 16.366 |
| MDE-141 | 560483.1609 | 9602421.9146 | MDI-141 | 560479.6000 | 9602416.9940 | 16.599 |
| MDE-142 | 560556.7350 | 9602384.5168 | MDI-142 | 560554.1070 | 9602379.1220 | 19.866 |
| MDE-143 | 560610.1014 | 9602359.3912 | MDI-143 | 560606.1810 | 9602354.8490 | 19.115 |
| MDE-144 | 560649.0894 | 9602314.5948 | MDI-144 | 560643.5320 | 9602312.3330 | 18.338 |







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| 144     |             |              | 144     |             |                     |
| MDE-145 | 560661.5997 | 9602258.8699 | MDI-145 | 560656.2240 | 9602255.4090 17.856 |
| MDE-146 | 560726.1365 | 9602210.2010 | MDI-146 | 560722.5830 | 9602205.3660 17.583 |
| MDE-147 | 560807.7563 | 9602151.7175 | MDI-147 | 560804.6960 | 9602146.5290 17.345 |
| MDE-148 | 560864.6175 | 9602124.6665 | MDI-148 | 560862.5220 | 9602119.0190 17.156 |
| MDE-149 | 560936.6188 | 9602105.0069 | MDI-149 | 560935.1660 | 9602099.1840 20.849 |
| MDE-150 | 561029.5777 | 9602083.9693 | MDI-150 | 561028.2160 | 9602078.1260 21.620 |
| MDE-151 | 561107.8361 | 9602065.1652 | MDI-151 | 561105.7840 | 9602059.5270 21.831 |
| MDE-152 | 561175.1665 | 9602037.1142 | MDI-152 | 561173.3260 | 9602031.3810 21.045 |
| MDE-153 | 561222.8704 | 9602026.1208 | MDI-153 | 561221.5230 | 9602020.2740 21.409 |
| MDE-154 | 561279.6092 | 9602006.8337 | MDI-154 | 561276.2830 | 9602001.8400 21.998 |
| MDE-155 | 561311.4299 | 9601970.8877 | MDI-155 | 561306.8900 | 9601966.9650 23.896 |
| MDE-156 | 561419.3055 | 9601844.0698 | MDI-156 | 561415.7970 | 9601838.9340 19.601 |
| MDE-157 | 561572.9376 | 9601790.9853 | MDI-157 | 561571.1503 | 9601785.2548 19.323 |
| MDE-158 | 561714.1662 | 9601751.5408 | MDI-158 | 561712.5547 | 9601745.7613 19.046 |
| MDE-159 | 561848.7371 | 9601714.0159 | MDI-159 | 561846.3175 | 9601708.5255 18.768 |
| MDE-160 | 561899.8291 | 9601670.7568 | MDI-160 | 561896.6010 | 9601665.6240 18.491 |
| MDE-161 | 561990.4330 | 9601630.6372 | MDI-161 | 561987.4330 | 9601625.4410 18.213 |
| MDE-162 | 562077.1065 | 9601569.8764 | MDI-162 | 562073.7426 | 9601564.9070 17.935 |
| MDE-163 | 562168.5457 | 9601509.9869 | MDI-163 | 562164.0450 | 9601506.0190 17.658 |
| MDE-164 | 562209.0862 | 9601449.1710 | MDI-164 | 562203.8900 | 9601446.1710 17.787 |
| MDE-165 | 562245.1790 | 9601370.2283 | MDI-165 | 562240.0660 | 9601366.9810 18.327 |
| MDE-166 | 562302.7466 | 9601302.3162 | MDI-166 | 562298.1600 | 9601298.4480 18.867 |
| MDE-167 | 562335.6112 | 9601242.8951 | MDI-167 | 562329.9730 | 9601240.8430 19.407 |
| MDE-168 | 562379.1206 | 9601100.6810 | MDI-168 | 562373.3830 | 9601098.9260 19.947 |





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|-----------------|--------------|--------------|-----------------|--------------|--------------|--------|
| MDE-169         | 562415.6602  | 9600964.7526 | MDI-169         | 562406.6316  | 9600960.4533 | 20.487 |
| MDE-170         | 562495.4036  | 9600797.1857 | MDI-170         | 562486.0067  | 9600793.7655 | 21.027 |
| MDE-171         | 562527.9648  | 9600672.9807 | MDI-171         | 562517.9830  | 9600673.5830 | 21.569 |
| MDE-172         | 562493.4313  | 9600585.5710 | MDI-172         | 562484.7710  | 9600590.5710 | 21.011 |
| MDE-173         | 562437.2316  | 9600504.7539 | MDI-173         | 562428.0520  | 9600509.0700 | 22.234 |
| MDE-174         | 562416.9776  | 9600431.8596 | MDI-174         | 562406.7820  | 9600432.5190 | 23.032 |
| MDE-175         | 562433.2169  | 9600318.1626 | MDI-175         | 562423.4550  | 9600315.7850 | 23.844 |
| MDE-176         | 562465.2451  | 9600226.0415 | MDI-176         | 562455.3970  | 9600224.3050 | 23.093 |
| MDE-177         | 562470.6115  | 9600149.9533 | MDI-177         | 562460.6650  | 9600148.8390 | 22.982 |
| MDE-178         | 562482.7787  | 9600071.3044 | MDI-178         | 562472.8990  | 9600069.7580 | 18.552 |
| MDE-179         | 562508.3018  | 9599909.5213 | MDI-179         | 562498.4240  | 9599907.9630 | 19.295 |
| MDE-180         | 562507.4577  | 9599832.9655 | MDI-180         | 562497.4730  | 9599833.5180 | 17.975 |
| MDE-181         | 562502.8807  | 9599752.5100 | MDI-181         | 562493.1080  | 9599754.6300 | 18.138 |
| MDE-182         | 562480.6724  | 9599695.2383 | MDI-182         | 562470.9490  | 9599697.8290 | 18.296 |
| MDE-183         | 562449.7225  | 9599488.7800 | MDI-183         | 562439.5145  | 9599488.1377 | 18.213 |
| MDE-184         | 562510.3366  | 9599273.4956 | MDI-184         | 562500.8980  | 9599270.1206 | 18.138 |
| MDE-185         | 562600.8456  | 9599066.2595 | MDI-185         | 562591.1440  | 9599063.8350 | 18.030 |
| MDE-186         | 562616.4411  | 9598866.9739 | MDI-186         | 562606.6090  | 9598864.4210 | 18.138 |
| MDE-187         | 562659.6348  | 9598772.9640 | MDI-187         | 562650.5480  | 9598768.7890 | 18.246 |
| MDE-188         | 562636.4939  | 9598719.7229 | MDI-188         | 562630.0150  | 9598719.7862 | 18.354 |
| MDE-189         | 562679.1961  | 9598611.9506 | MDI-189         | 562674.4650  | 9598607.6026 | 18.462 |
| MDE-190         | 562881.0860  | 9598515.1892 | MDI-190         | 562873.6150  | 9598508.5420 | 18.570 |
| MDE-191         | 562951.2047  | 9598435.9222 | MDI-191         | 562942.3340  | 9598431.3060 | 18.679 |
| MDE-192         | 563005.6026  | 9598289.9301 | MDI-192         | 562996.2620  | 9598286.3580 | 18.414 |
| MDE-563065.9643 | 9598136.3160 |              | MDI-563056.7470 | 9598132.4300 | 18.230       |        |





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| 193     |             |              | 193     |             |                     |
| MDE-194 | 563164.2309 | 9597918.0972 | MDI-194 | 563154.8340 | 9597914.6770 19.229 |
| MDE-195 | 563191.4131 | 9597809.2797 | MDI-195 | 563181.7100 | 9597806.8610 19.137 |
| MDE-196 | 563229.0917 | 9597639.2473 | MDI-196 | 563219.3480 | 9597636.9960 19.453 |
| MDE-197 | 563258.0058 | 9597517.4982 | MDI-197 | 563248.0060 | 9597517.5680 18.076 |
| MDE-198 | 563231.5838 | 9597312.0084 | MDI-198 | 563221.5190 | 9597312.1480 18.744 |
| MDE-199 | 563239.6526 | 9597227.2878 | MDI-199 | 563229.8690 | 9597229.3570 11.325 |
| MDE-200 | 563202.4802 | 9597161.0080 | MDI-200 | 563191.3830 | 9597161.7260 11.207 |
| MDE-201 | 563242.2521 | 9597063.4403 | MDI-201 | 563232.5320 | 9597061.0910 11.021 |
| MDE-202 | 563281.2144 | 9596902.2331 | MDI-202 | 563272.0190 | 9596897.7130 11.519 |
| MDE-203 | 563409.5486 | 9596741.8104 | MDI-203 | 563400.3360 | 9596737.9210 11.118 |
| MDE-204 | 563422.9803 | 9596635.7300 | MDI-204 | 563413.1260 | 9596633.9330 11.328 |
| MDE-205 | 563440.5908 | 9596561.4159 | MDI-205 | 563430.6070 | 9596561.9850 11.583 |
| MDE-206 | 563385.3098 | 9596411.2104 | MDI-206 | 563374.0670 | 9596409.6580 11.857 |
| MDE-207 | 563450.8008 | 9596321.1303 | MDI-207 | 563441.8630 | 9596316.6450 11.776 |
| MDE-208 | 563474.5321 | 9596244.7065 | MDI-208 | 563464.6840 | 9596242.9700 12.634 |
| MDE-209 | 563474.9359 | 9596136.9898 | MDI-209 | 563464.9360 | 9596136.9030 13.310 |
| MDE-210 | 563475.7164 | 9596086.4914 | MDI-210 | 563465.7170 | 9596086.4140 13.397 |
| MDE-211 | 563469.9935 | 9596035.9016 | MDI-211 | 563460.0270 | 9596036.7650 13.357 |
| MDE-212 | 563466.9908 | 9595984.8083 | MDI-212 | 563457.0080 | 9595985.3950 13.315 |
| MDE-213 | 563450.0452 | 9595887.2778 | MDI-213 | 563439.8520 | 9595887.0360 13.263 |
| MDE-214 | 563476.6003 | 9595768.6012 | MDI-214 | 563467.1120 | 9595765.2090 13.165 |
| MDE-215 | 563588.7993 | 9595544.8407 | MDI-215 | 563578.9360 | 9595543.1930 13.011 |
| MDE-216 | 563574.7496 | 9595438.4884 | MDI-216 | 563564.5750 | 9595437.8870 12.973 |
| MDE-217 | 563594.0061 | 9595364.0665 | MDI-217 | 563584.1580 | 9595362.3300 12.993 |





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|---------|-------------|--------------|---------|-------------|--------------|--------|
| MDE-218 | 563618.8570 | 9595201.0519 | MDI-218 | 563609.1680 | 9595198.2540 | 12.980 |
| MDE-219 | 563700.9223 | 9595012.6822 | MDI-219 | 563691.5254 | 9595009.2620 | 13.634 |
| MDE-220 | 563738.1915 | 9594866.4598 | MDI-220 | 563728.3650 | 9594864.6050 | 14.257 |
| MDE-221 | 563764.6244 | 9594723.7672 | MDI-221 | 563754.7070 | 9594725.0500 | 15.645 |
| MDE-222 | 563704.8279 | 9594633.0343 | MDI-222 | 563696.5320 | 9594638.6180 | 14.854 |
| MDE-223 | 563631.6721 | 9594546.1315 | MDI-223 | 563622.0420 | 9594550.2220 | 14.169 |
| MDE-224 | 563612.3622 | 9594359.5092 | MDI-224 | 563602.2980 | 9594359.4050 | 14.161 |
| MDE-225 | 563623.0280 | 9594273.2040 | MDI-225 | 563613.0280 | 9594273.2040 | 14.154 |
| MDE-226 | 563607.2071 | 9594160.6546 | MDI-226 | 563597.5370 | 9594163.2020 | 14.438 |
| MDE-227 | 563543.4675 | 9594041.4090 | MDI-227 | 563534.6580 | 9594046.1410 | 14.898 |
| MDE-228 | 563514.1380 | 9593906.0869 | MDI-228 | 563508.9625 | 9593909.1224 | 15.645 |
| MDE-229 | 563416.8252 | 9593792.3509 | MDI-229 | 563412.9470 | 9593796.9290 | 13.414 |
| MDE-230 | 563262.1079 | 9593729.7667 | MDI-230 | 563259.8260 | 9593735.3160 | 10.456 |
| MDE-231 | 563099.4359 | 9593661.6131 | MDI-231 | 563097.8690 | 9593667.4050 | 6.291  |
| MDE-232 | 563019.4230 | 9593651.0410 | MDI-232 | 563019.4230 | 9593657.0410 | 5.188  |
| MDE-233 | 562854.3682 | 9593659.5091 | MDI-233 | 562852.2460 | 9593665.6260 | 5.695  |
| MDE-234 | 562802.2702 | 9593613.8891 | MDI-234 | 562797.5420 | 9593617.7240 | 5.773  |
| MDE-235 | 562740.9200 | 9593505.6609 | MDI-235 | 562737.3850 | 9593510.5090 | 11.582 |
| MDE-236 | 562515.9098 | 9593424.1529 | MDI-236 | 562510.6340 | 9593428.6270 | 17.010 |
| MDE-237 | 562479.7337 | 9593208.0122 | MDI-237 | 562470.7410 | 9593212.3860 | 17.270 |
| MDE-238 | 562390.8679 | 9593025.3013 | MDI-238 | 562381.8752 | 9593029.6751 | 17.234 |
| MDE-239 | 562289.3262 | 9592816.5286 | MDI-239 | 562279.7030 | 9592819.6060 | 17.195 |
| MDE-240 | 562248.9421 | 9592576.0694 | MDI-240 | 562239.0802 | 9592577.7257 | 17.432 |
| MDE-241 | 562204.5590 | 9592311.8006 | MDI-241 | 562194.7040 | 9592313.4970 | 17.615 |
| MDE-241 | 562149.6429 | 9592171.0150 | MDI-241 | 562143.9994 | 9592173.0524 | 18.345 |





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| 242     |             |              | 242     |             |                     |
| MDE-242 | 562090.1021 | 9592006.0956 | MDI-242 | 562084.3160 | 9592007.7380 19.045 |
| MDE-243 |             |              | MDI-243 |             |                     |
| MDE-244 | 562064.2031 | 9591882.4540 | MDI-244 | 562057.9100 | 9591881.6760 19.494 |
| MDE-245 | 562148.7490 | 9591708.5174 | MDI-245 | 562143.4593 | 9591705.6751 19.584 |
| MDE-246 | 562253.8905 | 9591530.4114 | MDI-246 | 562248.3420 | 9591528.1280 19.672 |
| MDE-247 | 562271.6326 | 9591377.5385 | MDI-247 | 562265.8077 | 9591375.6674 19.595 |
| MDE-248 | 562327.8369 | 9591276.4804 | MDI-248 | 562322.5650 | 9591273.6160 19.340 |
| MDE-249 | 562401.0946 | 9591138.4241 | MDI-249 | 562395.9530 | 9591135.3130 19.029 |
| MDE-250 | 562481.3852 | 9591022.3728 | MDI-250 | 562471.6770 | 9591024.7710 19.389 |
| MDE-251 | 562450.7289 | 9590898.2711 | MDI-251 | 562441.0207 | 9590900.6693 19.259 |
| MDE-252 | 562410.7196 | 9590736.3071 | MDI-252 | 562401.0114 | 9590738.7053 19.193 |
| MDE-253 | 562358.4222 | 9590524.5988 | MDI-253 | 562348.7140 | 9590526.9970 19.123 |
| MDE-254 | 562254.8833 | 9590250.8602 | MDI-254 | 562246.0963 | 9590255.6340 19.042 |
| MDE-255 | 562122.2732 | 9590113.5598 | MDI-255 | 562114.9455 | 9590120.3679 18.912 |
| MDE-256 | 561957.7044 | 9589928.7973 | MDI-256 | 561950.0818 | 9589935.2741 18.832 |
| MDE-257 | 561829.1796 | 9589770.2422 | MDI-257 | 561821.2530 | 9589776.3440 18.714 |
| MDE-258 | 561738.8572 | 9589646.5879 | MDI-258 | 561730.7821 | 9589652.4864 24.456 |
| MDE-259 | 561626.7239 | 9589493.0738 | MDI-259 | 561617.9320 | 9589497.9910 29.862 |
| MDE-260 | 561533.5534 | 9589265.8019 | MDI-260 | 561524.1350 | 9589269.1910 30.022 |
| MDE-261 | 561497.4847 | 9589150.4110 | MDI-261 | 561488.5910 | 9589154.9830 30.044 |
| MDE-262 | 561341.9497 | 9589004.7963 | MDI-262 | 561333.2760 | 9589010.3840 30.088 |
| MDE-263 | 561268.9018 | 9588786.9177 | MDI-263 | 561259.2510 | 9588789.5910 31.835 |
| MDE-264 | 561232.5834 | 9588622.2235 | MDI-264 | 561222.8180 | 9588624.3770 30.009 |
| MDE-265 | 561283.3052 | 9588523.3383 | MDI-265 | 561278.2050 | 9588520.1500 30.532 |
| MDE-266 | 561357.8482 | 9588420.8512 | MDI-266 | 561354.2150 | 9588415.6460 31.013 |





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| MDE-267         | 561488.7010  | 9588383.3353 | MDI-267         | 561485.2730  | 9588378.4110 | 31.475 |
| MDE-268         | 561570.2942  | 9588272.2360 | MDI-268         | 561565.0980  | 9588269.2360 | 31.983 |
| MDE-269         | 561609.1665  | 9588180.0660 | MDI-269         | 561603.6370  | 9588177.7370 | 31.437 |
| MDE-270         | 561649.0454  | 9588066.8486 | MDI-270         | 561644.0420  | 9588062.9930 | 30.959 |
| MDE-271         | 561732.9339  | 9588009.9154 | MDI-271         | 561729.5670  | 9588004.9490 | 31.201 |
| MDE-272         | 561843.9662  | 9587934.7263 | MDI-272         | 561841.0540  | 9587929.4520 | 30.129 |
| MDE-273         | 561910.1608  | 9587905.5882 | MDI-273         | 561906.9320  | 9587900.5310 | 30.044 |
| MDE-274         | 561967.7523  | 9587854.8017 | MDI-274         | 561963.1560  | 9587850.9450 | 30.973 |
| MDE-275         | 562009.7608  | 9587793.4805 | MDI-275         | 562005.5280  | 9587789.0420 | 30.912 |
| MDE-276         | 562094.5203  | 9587739.8549 | MDI-276         | 562088.9790  | 9587737.5540 | 31.134 |
| MDE-277         | 562088.2832  | 9587648.1498 | MDI-277         | 562082.3500  | 9587649.0430 | 31.289 |
| MDE-278         | 562074.2640  | 9587555.0214 | MDI-278         | 562068.1400  | 9587554.6470 | 31.490 |
| MDE-279         | 562090.4338  | 9587496.9617 | MDI-279         | 562085.0370  | 9587493.9760 | 31.041 |
| MDE-280         | 562137.5268  | 9587445.2880 | MDI-280         | 562133.7470  | 9587440.5280 | 31.949 |
| MDE-281         | 562219.5817  | 9587399.2063 | MDI-281         | 562215.7250  | 9587394.6100 | 31.664 |
| MDE-282         | 562303.2882  | 9587310.5046 | MDI-282         | 562298.3308  | 9587307.1246 | 31.695 |
| MDE-283         | 562343.0407  | 9587226.1139 | MDI-283         | 562337.2940  | 9587224.3890 | 31.712 |
| MDE-284         | 562341.9709  | 9587129.3650 | MDI-284         | 562336.2820  | 9587131.2720 | 31.281 |
| MDE-285         | 562261.8997  | 9587049.4851 | MDI-285         | 562255.2490  | 9587051.3530 | 31.247 |
| MDE-286         | 562276.5565  | 9586990.7884 | MDI-286         | 562270.8660  | 9586988.8110 | 32.231 |
| MDE-287         | 562314.7038  | 9586906.3296 | MDI-287         | 562310.0870  | 9586901.9750 | 46.517 |
| MDE-288         | 562334.2050  | 9586896.1110 | MDI-288         | 562332.5240  | 9586890.2180 | 51.981 |
| MDE-289         | 562376.8039  | 9586891.1827 | MDI-289         | 562372.2210  | 9586887.3100 | 52.660 |
| MDE-290         | 562377.3859  | 9586878.2114 | MDI-290         | 562371.1740  | 9586876.2590 | 46.495 |
| MDE-562400.3428 | 9586851.1511 |              | MDI-562395.7570 | 9586847.2820 | 39.719       |        |





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|---------|-------------|--------------|---------|-------------|--------------|--------|
| 291     |             |              | 291     |             |              |        |
| MDE-292 | 562418.2075 | 9586828.7794 | MDI-292 | 562408.2400 | 9586829.5850 | 39.364 |
| MDE-293 | 562417.3955 | 9586818.7317 | MDI-293 | 562406.8800 | 9586812.7570 | 32.034 |
| MDE-294 | 562430.1075 | 9586812.0477 | MDI-294 | 562423.3810 | 9586804.6480 | 33.414 |
| MDE-295 | 562438.8726 | 9586801.5280 | MDI-295 | 562435.0480 | 9586790.4220 | 32.799 |
| MDE-296 | 562465.4401 | 9586806.1667 | MDI-296 | 562462.5580 | 9586796.5910 | 32.664 |
| MDE-297 | 562492.9827 | 9586785.9823 | MDI-297 | 562484.8120 | 9586780.2170 | 32.538 |
| MDE-298 | 562505.6786 | 9586745.6023 | MDI-298 | 562496.7040 | 9586740.7240 | 32.382 |
| MDE-299 | 562530.2882 | 9586715.8925 | MDI-299 | 562521.0930 | 9586711.9620 | 32.231 |
| MDE-300 | 562529.5651 | 9586676.8615 | MDI-300 | 562519.7170 | 9586678.5980 | 32.862 |
| MDE-301 | 562511.1455 | 9586621.8398 | MDI-301 | 562502.7640 | 9586627.2940 | 32.658 |
| MDE-302 | 562467.3504 | 9586571.0957 | MDI-302 | 562459.1080 | 9586576.8530 | 32.322 |
| MDE-303 | 562441.4590 | 9586524.3722 | MDI-303 | 562431.7240 | 9586527.4360 | 31.957 |
| MDE-304 | 562434.5756 | 9586459.5803 | MDI-304 | 562424.9300 | 9586462.2190 | 31.607 |
| MDE-305 | 562416.0656 | 9586418.9289 | MDI-305 | 562406.9770 | 9586423.1000 | 34.240 |
| MDE-306 | 562391.0270 | 9586370.2187 | MDI-306 | 562382.1340 | 9586374.7920 | 36.361 |
| MDE-307 | 562336.4591 | 9586340.8486 | MDI-307 | 562332.2330 | 9586345.3210 | 37.997 |
| MDE-308 | 562300.6471 | 9586287.3685 | MDI-308 | 562294.6840 | 9586289.2470 | 37.926 |
| MDE-309 | 562299.5118 | 9586234.9791 | MDI-309 | 562293.6030 | 9586236.0210 | 37.855 |
| MDE-310 | 562290.5713 | 9586195.0601 | MDI-310 | 562284.9990 | 9586197.2850 | 37.785 |
| MDE-311 | 562265.6674 | 9586165.4179 | MDI-311 | 562259.1090 | 9586166.9780 | 37.714 |
| MDE-312 | 562278.0852 | 9586109.6627 | MDI-312 | 562272.5570 | 9586111.9950 | 37.643 |
| MDE-313 | 562231.1459 | 9586080.6316 | MDI-313 | 562226.3180 | 9586084.7510 | 37.572 |
| MDE-314 | 562216.2475 | 9586042.7178 | MDI-314 | 562209.5970 | 9586042.1990 | 37.501 |
| MDE-315 | 562238.6484 | 9586003.2030 | MDI-315 | 562232.6590 | 9586002.8470 | 37.431 |





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|         |             |              |         |             |              |        |
|---------|-------------|--------------|---------|-------------|--------------|--------|
| MDE-316 | 562219.5842 | 9585928.0878 | MDI-316 | 562213.1690 | 9585927.2380 | 37.360 |
| MDE-317 | 562261.4587 | 9585854.2158 | MDI-317 | 562256.2390 | 9585851.2570 | 37.175 |
| MDE-318 | 562303.8192 | 9585767.8377 | MDI-318 | 562297.9320 | 9585766.6800 | 36.984 |
| MDE-319 | 562297.6474 | 9585676.4193 | MDI-319 | 562291.6620 | 9585676.8370 | 36.830 |
| MDE-320 | 562270.2606 | 9585522.8255 | MDI-320 | 562264.3540 | 9585523.8800 | 34.666 |
| MDE-321 | 562225.4364 | 9585435.4878 | MDI-321 | 562219.8460 | 9585437.7390 | 34.526 |
| MDE-322 | 562197.0980 | 9585326.7648 | MDI-322 | 562188.2647 | 9585331.4523 | 34.653 |
| MDE-323 | 562156.6704 | 9585250.8166 | MDI-323 | 562148.6278 | 9585256.7596 | 34.783 |
| MDE-324 | 562076.9202 | 9585171.0402 | MDI-324 | 562071.1620 | 9585179.2160 | 34.937 |
| MDE-325 | 561980.7785 | 9585143.9253 | MDI-325 | 561977.6360 | 9585153.4320 | 34.722 |
| MDE-326 | 561916.6647 | 9585119.1606 | MDI-326 | 561914.0920 | 9585128.8240 | 35.139 |
| MDE-327 | 561863.7958 | 9585105.0851 | MDI-327 | 561859.7300 | 9585114.3510 | 35.333 |
| MDE-328 | 561808.0706 | 9585069.7817 | MDI-328 | 561804.1800 | 9585078.9940 | 35.526 |
| MDE-329 | 561707.2958 | 9585046.2845 | MDI-329 | 561708.0890 | 9585056.2530 | 35.694 |
| MDE-330 | 561645.2668 | 9585071.3467 | MDI-330 | 561647.0544 | 9585081.4266 | 34.876 |
| MDE-331 | 561591.9669 | 9585069.2061 | MDI-331 | 561584.8190 | 9585078.9270 | 35.059 |
| MDE-332 | 561568.5451 | 9585003.5948 | MDI-332 | 561558.5907 | 9585005.4540 | 35.267 |
| MDE-333 | 561565.5547 | 9584935.6707 | MDI-333 | 561556.8790 | 9584940.6440 | 35.418 |
| MDE-334 | 561465.7746 | 9584892.2202 | MDI-334 | 561458.9290 | 9584900.2130 | 35.558 |
| MDE-335 | 561406.7482 | 9584795.0281 | MDI-335 | 561398.2010 | 9584800.2190 | 36.192 |
| MDE-336 | 561353.6056 | 9584720.3188 | MDI-336 | 561345.7780 | 9584726.5420 | 36.246 |
| MDE-337 | 561295.5504 | 9584650.6544 | MDI-337 | 561293.1660 | 9584660.3660 | 36.396 |
| MDE-338 | 561252.9918 | 9584667.7127 | MDI-338 | 561259.5070 | 9584675.2990 | 36.545 |
| MDE-339 | 561223.3025 | 9584731.3308 | MDI-339 | 561231.1533 | 9584738.2507 | 36.541 |
| MDE-    | 561155.9409 | 9584772.5451 | MDI-    | 561154.3480 | 9584785.2430 | 36.538 |







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|         |             |              |         |             |                     |
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| 340     |             |              | 340     |             |                     |
| MDE-341 | 561121.2985 | 9584736.9710 | MDI-341 | 561114.1800 | 9584743.9940 36.704 |
| MDE-342 | 561074.9040 | 9584690.5552 | MDI-342 | 561067.1150 | 9584696.9080 36.571 |
| MDE-343 | 561035.3254 | 9584630.6851 | MDI-343 | 561027.6650 | 9584637.1130 36.764 |
| MDE-344 | 561007.4780 | 9584600.4442 | MDI-344 | 560997.7750 | 9584604.6710 36.907 |
| MDE-345 | 560999.9159 | 9584517.6650 | MDI-345 | 560991.4610 | 9584523.0050 36.651 |
| MDE-346 | 560905.0341 | 9584462.1160 | MDI-346 | 560897.0890 | 9584469.0940 36.402 |
| MDE-347 | 560873.5663 | 9584385.7050 | MDI-347 | 560864.9060 | 9584390.7050 35.954 |
| MDE-348 | 560839.2528 | 9584342.2232 | MDI-348 | 560831.3860 | 9584348.3970 35.948 |
| MDE-349 | 560807.5063 | 9584301.3864 | MDI-349 | 560799.5850 | 9584307.4900 35.757 |
| MDE-350 | 560777.1948 | 9584261.6457 | MDI-350 | 560768.4510 | 9584266.6710 35.567 |
| MDE-351 | 560745.2863 | 9584184.6230 | MDI-351 | 560736.6260 | 9584189.6230 35.604 |
| MDE-352 | 560718.0440 | 9584150.1056 | MDI-352 | 560709.9960 | 9584156.0510 35.654 |
| MDE-353 | 560659.9998 | 9584065.6337 | MDI-353 | 560651.7580 | 9584071.2970 35.690 |
| MDE-354 | 560622.1020 | 9583996.7744 | MDI-354 | 560617.5820 | 9583998.9120 35.444 |
| MDE-355 | 560594.3445 | 9583938.1796 | MDI-355 | 560589.7510 | 9583940.1620 35.172 |
| MDE-356 | 560570.5288 | 9583877.1861 | MDI-356 | 560565.7230 | 9583878.6250 35.048 |
| MDE-357 | 560564.4071 | 9583848.4530 | MDI-357 | 560559.5780 | 9583849.7490 34.730 |
| MDE-358 | 560545.5897 | 9583778.3334 | MDI-358 | 560540.7606 | 9583779.6293 34.623 |
| MDE-359 | 560524.6241 | 9583700.2090 | MDI-359 | 560519.7950 | 9583701.5050 34.515 |
| MDE-360 | 560499.4775 | 9583621.6869 | MDI-360 | 560494.7790 | 9583623.3970 34.498 |
| MDE-361 | 560469.6120 | 9583566.1557 | MDI-361 | 560464.7940 | 9583567.7550 34.699 |
| MDE-362 | 560455.6319 | 9583471.5027 | MDI-362 | 560450.6820 | 9583472.2090 35.698 |
| MDE-363 | 560449.1240 | 9583425.6768 | MDI-363 | 560444.2000 | 9583426.5450 35.915 |
| MDE-364 | 560425.2664 | 9583360.7479 | MDI-364 | 560420.4510 | 9583362.1410 25.004 |





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|---------|-------------|--------------|---------|-------------|--------------|--------|
| MDE-365 | 560413.2370 | 9583304.3001 | MDI-365 | 560408.3350 | 9583305.2870 | 25.464 |
| MDE-366 | 560400.0693 | 9583234.6255 | MDI-366 | 560395.1450 | 9583235.4940 | 25.449 |
| MDE-367 | 560385.9207 | 9583148.6158 | MDI-367 | 560380.9180 | 9583149.0080 | 25.285 |
| MDE-368 | 560386.2969 | 9583091.4666 | MDI-368 | 560381.2980 | 9583091.2830 | 25.149 |
| MDE-369 | 560390.8021 | 9583024.4532 | MDI-369 | 560385.9000 | 9583022.8300 | 25.137 |
| MDE-370 | 560438.2213 | 9582950.8523 | MDI-370 | 560433.9953 | 9582948.1803 | 25.432 |
| MDE-371 | 560496.3941 | 9582857.0901 | MDI-371 | 560492.1205 | 9582854.4951 | 25.954 |
| MDE-372 | 560560.8050 | 9582748.5180 | MDI-372 | 560556.1065 | 9582746.8079 | 25.753 |
| MDE-373 | 560575.4297 | 9582660.2155 | MDI-373 | 560570.5206 | 9582659.2546 | 25.749 |
| MDE-374 | 560596.5617 | 9582567.3241 | MDI-374 | 560591.6862 | 9582566.2149 | 24.743 |
| MDE-375 | 560612.0328 | 9582476.7574 | MDI-375 | 560607.0332 | 9582476.6918 | 25.037 |
| MDE-376 | 560591.2564 | 9582408.8105 | MDI-376 | 560586.3957 | 9582410.0167 | 25.331 |
| MDE-377 | 560580.4446 | 9582351.7386 | MDI-377 | 560575.7461 | 9582353.4487 | 25.625 |
| MDE-378 | 560527.2256 | 9582251.9414 | MDI-378 | 560522.8955 | 9582254.4414 | 25.919 |
| MDE-379 | 560466.6338 | 9582167.3903 | MDI-379 | 560462.5703 | 9582170.3037 | 26.213 |
| MDE-380 | 560407.3908 | 9582096.8653 | MDI-380 | 560403.2826 | 9582099.7483 | 26.507 |
| MDE-381 | 560368.0200 | 9582029.0309 | MDI-381 | 560364.1452 | 9582032.1910 | 26.801 |
| MDE-382 | 560310.2429 | 9581991.8201 | MDI-382 | 560306.9951 | 9581995.6783 | 27.095 |
| MDE-383 | 560276.8714 | 9581955.3355 | MDI-383 | 560273.6575 | 9581959.1658 | 27.389 |
| MDE-384 | 560243.6446 | 9581933.5552 | MDI-384 | 560240.2469 | 9581937.3073 | 27.683 |
| MDE-385 | 560208.6735 | 9581890.3033 | MDI-385 | 560205.3948 | 9581894.0782 | 27.977 |
| MDE-386 | 560136.5021 | 9581861.1359 | MDI-386 | 560133.9572 | 9581865.5031 | 28.271 |
| MDE-387 | 560079.3987 | 9581816.1548 | MDI-387 | 560078.3946 | 9581821.0530 | 28.565 |
| MDE-388 | 560006.5630 | 9581835.7731 | MDI-388 | 560007.9155 | 9581840.5867 | 28.859 |
| MDE-    | 559924.2842 | 9581859.2171 | MDI-    | 559925.9943 | 9581863.9156 | 29.153 |





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| 389     |             |              | 389     |             |                     |
| MDE-390 | 559827.4456 | 9581898.9007 | MDI-390 | 559829.1566 | 9581903.6031 29.447 |
| MDE-391 | 559753.4136 | 9581922.5281 | MDI-391 | 559754.5439 | 9581927.4158 29.741 |
| MDE-392 | 559659.7318 | 9581936.2643 | MDI-392 | 559658.7143 | 9581941.4669 30.035 |
| MDE-393 | 559589.4535 | 9581894.9133 | MDI-393 | 559586.2686 | 9581898.8407 30.329 |
| MDE-394 | 559524.3832 | 9581823.6460 | MDI-394 | 559519.5935 | 9581825.8155 30.623 |
| MDE-395 | 559511.7460 | 9581710.3100 | MDI-395 | 559506.8934 | 9581711.5153 30.917 |
| MDE-396 | 559473.7934 | 9581641.9517 | MDI-396 | 559468.7934 | 9581643.2527 31.211 |
| MDE-397 | 559473.5635 | 9581540.1539 | MDI-397 | 559468.7933 | 9581541.6525 31.505 |
| MDE-398 | 559408.5072 | 9581471.1471 | MDI-398 | 559405.2933 | 9581474.9773 31.799 |
| MDE-399 | 559329.5219 | 9581427.6637 | MDI-399 | 559327.0186 | 9581431.9933 32.093 |
| MDE-400 | 559268.8448 | 9581390.8876 | MDI-400 | 559267.1805 | 9581395.6022 32.387 |
| MDE-401 | 559148.5644 | 9581349.7385 | MDI-401 | 559146.5303 | 9581354.3271 32.681 |
| MDE-402 | 559087.9152 | 9581316.2910 | MDI-402 | 559086.2051 | 9581320.9894 32.975 |
| MDE-403 | 559025.1607 | 9581300.1904 | MDI-403 | 559024.2925 | 9581305.1145 33.269 |
| MDE-404 | 558915.4172 | 9581294.3416 | MDI-404 | 558915.0855 | 9581299.3310 33.563 |
| MDE-405 | 558816.2369 | 9581286.4564 | MDI-405 | 558815.7977 | 9581291.4372 33.857 |
| MDE-406 | 558711.0949 | 9581276.3871 | MDI-406 | 558709.9669 | 9581281.3019 34.151 |
| MDE-407 | 558655.3639 | 9581255.6824 | MDI-407 | 558653.1233 | 9581260.1839 34.445 |
| MDE-408 | 558607.5489 | 9581225.1719 | MDI-408 | 558604.6840 | 9581229.2750 34.755 |
| MDE-409 | 558564.6790 | 9581192.5092 | MDI-409 | 558560.2610 | 9581195.4290 34.426 |
| MDE-410 | 558549.5547 | 9581132.8486 | MDI-410 | 558544.5670 | 9581133.5210 35.197 |
| MDE-411 | 558548.4060 | 9581074.3518 | MDI-411 | 558543.4070 | 9581074.4500 40.009 |
| MDE-412 | 558540.9240 | 9581003.7107 | MDI-412 | 558536.3200 | 9581005.6610 40.147 |
| MDE-413 | 558513.6813 | 9580970.9813 | MDI-413 | 558509.8550 | 9580974.2000 40.286 |





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|-----------------|--------------|-----------------|--------------|-------------|--------------|--------|
| MDE-414         | 558492.3314  | 9580955.2505    | MDI-414      | 558487.5450 | 9580957.9500 | 40.424 |
| MDE-415         | 558489.3829  | 9580920.9445    | MDI-415      | 558484.3310 | 9580920.5550 | 40.563 |
| MDE-416         | 558499.9890  | 9580877.5325    | MDI-416      | 558495.2740 | 9580875.7640 | 40.701 |
| MDE-417         | 558545.0262  | 9580790.6145    | MDI-417      | 558541.3741 | 9580786.7947 | 40.839 |
| MDE-418         | 558627.3669  | 9580752.5318    | MDI-418      | 558626.0408 | 9580747.6363 | 40.978 |
| MDE-419         | 558680.3550  | 9580747.4368    | MDI-419      | 558681.0743 | 9580742.3445 | 41.116 |
| MDE-420         | 558723.6450  | 9580764.5514    | MDI-420      | 558726.5827 | 9580760.3363 | 41.255 |
| MDE-421         | 558739.6450  | 9580782.4339    | MDI-421      | 558744.5744 | 9580780.4447 | 41.393 |
| MDE-422         | 558741.4869  | 9580802.5861    | MDI-422      | 558745.2764 | 9580799.3242 | 41.531 |
| MDE-423         | 558793.7004  | 9580813.5532    | MDI-423      | 558795.0787 | 9580808.7251 | 41.670 |
| MDE-424         | 558831.2173  | 9580827.7761    | MDI-424      | 558831.3580 | 9580822.7781 | 41.808 |
| MDE-425         | 558895.3892  | 9580818.9650    | MDI-425      | 558894.5210 | 9580814.0410 | 41.947 |
| MDE-426         | 558935.4848  | 9580808.8662    | MDI-426      | 558934.2620 | 9580804.0180 | 42.085 |
| MDE-427         | 558957.7691  | 9580802.1055    | MDI-427      | 558956.0590 | 9580797.4070 | 42.223 |
| MDE-428         | 558985.3483  | 9580789.5986    | MDI-428      | 558983.2810 | 9580785.0460 | 42.362 |
| MDE-429         | 559007.3319  | 9580778.6602    | MDI-429      | 559005.1040 | 9580774.1840 | 42.500 |
| MDE-430         | 559103.9613  | 9580725.6825    | MDI-430      | 559101.5470 | 9580721.3040 | 42.639 |
| MDE-431         | 559152.0411  | 9580698.7867    | MDI-431      | 559148.4760 | 9580695.2810 | 42.777 |
| MDE-432         | 559183.2120  | 9580656.7891    | MDI-432      | 559179.8980 | 9580652.8630 | 42.915 |
| MDE-433         | 559236.9068  | 9580629.3626    | MDI-433      | 559233.4870 | 9580625.7150 | 43.054 |
| MDE-434         | 559254.2355  | 9580588.5141    | MDI-434      | 559249.5370 | 9580586.8040 | 43.192 |
| MDE-435         | 559266.0583  | 9580552.9866    | MDI-435      | 559261.5080 | 9580550.8250 | 43.331 |
| MDE-436         | 559313.8995  | 9580477.6397    | MDI-436      | 559309.5771 | 9580475.1264 | 43.469 |
| MDE-437         | 559365.3404  | 9580389.1723    | MDI-437      | 559361.5840 | 9580385.6856 | 43.607 |
| MDE-559441.4810 | 9580336.9586 | MDI-559438.7002 | 9580332.8028 | 43.746      |              |        |





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|---------|-------------|--------------|---------|-------------|---------------------|
| 438     |             |              | 438     |             |                     |
| MDE-439 | 559504.7221 | 9580295.6759 | MDI-439 | 559501.9890 | 9580291.4890 43.884 |
| MDE-440 | 559540.1217 | 9580268.6370 | MDI-440 | 559537.4340 | 9580264.3980 44.023 |
| MDE-441 | 559601.3056 | 9580236.9776 | MDI-441 | 559600.8570 | 9580231.5800 44.161 |
| MDE-442 | 559676.6491 | 9580261.2499 | MDI-442 | 559678.7540 | 9580256.6750 44.299 |
| MDE-443 | 559732.1917 | 9580295.3618 | MDI-443 | 559734.8440 | 9580291.1230 44.438 |
| MDE-444 | 559806.0481 | 9580342.2011 | MDI-444 | 559808.8670 | 9580338.0680 44.576 |
| MDE-445 | 559854.9116 | 9580377.9945 | MDI-445 | 559858.0330 | 9580374.0830 44.715 |
| MDE-446 | 559913.8016 | 9580429.1103 | MDI-446 | 559917.3080 | 9580425.5330 44.853 |
| MDE-447 | 559961.7555 | 9580482.1821 | MDI-447 | 559965.4970 | 9580478.8650 44.991 |
| MDE-448 | 559989.6684 | 9580514.1999 | MDI-448 | 559993.8460 | 9580511.3830 45.130 |
| MDE-449 | 560032.8561 | 9580599.3422 | MDI-449 | 560037.4528 | 9580597.3513 45.268 |
| MDE-450 | 560064.4943 | 9580686.5615 | MDI-450 | 560069.1354 | 9580684.7015 45.407 |
| MDE-451 | 560100.2054 | 9580775.5363 | MDI-451 | 560104.5355 | 9580773.0363 45.545 |
| MDE-452 | 560166.2426 | 9580852.2817 | MDI-452 | 560169.4565 | 9580848.4515 45.683 |
| MDE-453 | 560248.0548 | 9580901.1735 | MDI-453 | 560250.5858 | 9580896.8616 45.822 |
| MDE-454 | 560361.0300 | 9580936.7038 | MDI-454 | 560360.1235 | 9580931.7866 45.960 |
| MDE-455 | 560403.5312 | 9580903.3568 | MDI-455 | 560399.5333 | 9580900.3541 46.099 |
| MDE-456 | 560446.7049 | 9580826.5191 | MDI-456 | 560443.1896 | 9580822.5665 46.237 |
| MDE-457 | 560473.0982 | 9580815.5330 | MDI-457 | 560471.6330 | 9580810.7270 46.375 |
| MDE-458 | 560504.2837 | 9580809.2949 | MDI-458 | 560503.3030 | 9580804.3920 46.514 |
| MDE-459 | 560531.5261 | 9580801.7765 | MDI-459 | 560529.8160 | 9580797.0780 46.569 |
| MDE-460 | 560576.7109 | 9580782.8994 | MDI-460 | 560574.7830 | 9580778.2860 46.643 |
| MDE-461 | 560622.1191 | 9580754.8608 | MDI-461 | 560619.7110 | 9580750.4710 46.732 |
| MDE-462 | 560640.2390 | 9580746.1111 | MDI-462 | 560637.7390 | 9580741.7810 46.838 |





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|         |             |              |         |             |              |        |
|---------|-------------|--------------|---------|-------------|--------------|--------|
| MDE-463 | 560686.6894 | 9580707.5246 | MDI-463 | 560683.6440 | 9580703.5540 | 46.572 |
| MDE-464 | 560716.9638 | 9580686.1720 | MDI-464 | 560714.0820 | 9580682.0860 | 46.952 |
| MDE-465 | 560747.3923 | 9580662.2111 | MDI-465 | 560744.4080 | 9580658.1970 | 47.126 |
| MDE-466 | 560805.7464 | 9580621.3139 | MDI-466 | 560803.0800 | 9580617.0770 | 47.858 |
| MDE-467 | 560839.8549 | 9580602.1239 | MDI-467 | 560837.3790 | 9580597.7800 | 48.022 |
| MDE-468 | 560887.7183 | 9580567.3783 | MDI-468 | 560885.0700 | 9580563.1220 | 48.215 |
| MDE-469 | 560930.2851 | 9580544.9591 | MDI-469 | 560928.0200 | 9580540.5010 | 48.419 |
| MDE-470 | 560963.1550 | 9580528.8501 | MDI-470 | 560960.6550 | 9580524.5200 | 48.623 |
| MDE-471 | 561000.3739 | 9580503.7672 | MDI-471 | 560997.1600 | 9580499.9370 | 48.648 |
| MDE-472 | 561040.1819 | 9580465.0725 | MDI-472 | 561036.6960 | 9580461.4880 | 48.668 |
| MDE-473 | 561078.3956 | 9580419.1279 | MDI-473 | 561075.0159 | 9580415.3718 | 48.704 |
| MDE-474 | 561140.7663 | 9580377.3015 | MDI-474 | 561136.9285 | 9580374.0967 | 48.724 |
| MDE-475 | 561190.1262 | 9580296.9862 | MDI-475 | 561185.3473 | 9580295.5154 | 48.744 |
| MDE-476 | 561203.5478 | 9580218.1253 | MDI-476 | 561198.5478 | 9580218.1253 | 48.764 |
| MDE-477 | 561182.4950 | 9580077.4289 | MDI-477 | 561177.4098 | 9580077.2336 | 48.784 |
| MDE-478 | 561193.8801 | 9580027.2324 | MDI-478 | 561188.8803 | 9580027.2694 | 48.804 |
| MDE-479 | 561180.7464 | 9579921.5839 | MDI-479 | 561175.8224 | 9579922.4521 | 48.824 |
| MDE-480 | 561162.6082 | 9579849.7656 | MDI-480 | 561157.5660 | 9579850.2208 | 48.844 |
| MDE-481 | 561169.6608 | 9579745.5451 | MDI-481 | 561164.7098 | 9579744.6518 | 48.864 |
| MDE-482 | 561202.7099 | 9579634.5947 | MDI-482 | 561198.0474 | 9579632.7328 | 48.884 |
| MDE-483 | 561251.3607 | 9579538.5045 | MDI-483 | 561246.4662 | 9579537.4826 | 48.904 |
| MDE-484 | 561258.4271 | 9579443.0415 | MDI-484 | 561253.4271 | 9579443.0415 | 48.924 |
| MDE-485 | 561251.3903 | 9579347.7015 | MDI-485 | 561246.4662 | 9579348.5697 | 48.944 |
| MDE-486 | 561235.6928 | 9579277.8233 | MDI-486 | 561230.5912 | 9579277.9259 | 48.964 |
| MDE-    | 561249.0850 | 9579204.1070 | MDI-    | 561244.0850 | 9579204.1070 | 48.984 |





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| COORDENADAS DEL LIMITE SUPERIOR DE LA RIBERA Y DE LA FAJA MARGINAL DEL RIO TUMBES (MARGEN IZQUIERDA) |             |              |                                 |             |              |          |
|--|-------------|--------------|---------------------------------|-------------|--------------|----------|
| MARGEN IZQUIERDA (MIE)   |             |              | LIMITE SUPERIOR DE RIBERA (MII) |             |              |          |
| ID   | ESTE (m)    | NORTE (m)    | ID                              | ESTE (m)    | NORTE (m)    | COTA (m) |
| MIE-001  | 551746.6049 | 9605436.4270 | MII-001                         | 551755.6659 | 9605440.6576 | 0.266    |
| MIE-002  | 551807.2529 | 9605306.5639 | MII-002                         | 551816.0749 | 9605311.2726 | 0.395    |
| MIE-003  | 551878.8279 | 9605172.4765 | MII-003                         | 551887.4882 | 9605177.4765 | 0.524    |
| MIE-004  | 551940.1987 | 9605076.9897 | MII-004                         | 551950.0597 | 9605080.1431 | 0.653    |
| MIE-005  | 551948.5450 | 9604902.5173 | MII-005                         | 551958.4845 | 9604903.6153 | 0.782    |
| MIE-006  | 551960.9230 | 9604790.4728 | MII-006                         | 551970.8625 | 9604791.5708 | 1.169    |
| MIE-007  | 551975.9887 | 9604681.2897 | MII-007                         | 551986.2178 | 9604680.3167 | 1.298    |
| MIE-008  | 551942.2026 | 9604580.2053 | MII-008                         | 551952.1997 | 9604579.9611 | 1.427    |
| MIE-009  | 551968.7961 | 9604519.6667 | MII-009                         | 551979.0572 | 9604521.2758 | 1.256    |
| MIE-010  | 551958.7459 | 9604434.3826 | MII-010                         | 551968.7459 | 9604434.3826 | 1.040    |
| MIE-011  | 551972.5217 | 9604234.8669 | MII-011                         | 551981.8690 | 9604238.4202 | 1.685    |
| MIE-012  | 552055.9522 | 9604154.4394 | MII-012                         | 552060.2919 | 9604163.4487 | 1.814    |
| MIE-013  | 552154.6247 | 9604141.0315 | MII-013                         | 552152.8962 | 9604150.8810 | 1.943    |
| MIE-014  | 552227.2170 | 9604178.6343 | MII-014                         | 552221.2963 | 9604186.6932 | 2.072    |
| MIE-015  | 552300.8300 | 9604252.0707 | MII-015                         | 552293.1696 | 9604258.4986 | 2.201    |
| MIE-016  | 552360.8462 | 9604338.2097 | MII-016                         | 552352.3501 | 9604343.4838 | 2.330    |
| MIE-017  | 552407.7695 | 9604413.7987 | MII-017                         | 552399.6214 | 9604419.6334 | 2.459    |
| MIE-018  | 552475.3432 | 9604496.1115 | MII-018                         | 552468.1425 | 9604503.1003 | 2.588    |
| MIE-019  | 552553.6823 | 9604564.4423 | MII-019                         | 552547.1091 | 9604571.9783 | 2.717    |
| MIE-020  | 552618.9556 | 9604638.6213 | MII-020                         | 552611.4550 | 9604645.2351 | 2.846    |
| MIE-021  | 552681.7648 | 9604709.4740 | MII-021                         | 552677.0191 | 9604719.1955 | 2.975    |
| MIE-   | 552780.0843 | 9604715.6534 | MII-                            | 552779.4570 | 9604725.6337 | 3.104    |





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|      |             |              |      |             |              |        |
|------|-------------|--------------|------|-------------|--------------|--------|
| 487  |             |              | 487  |             |              |        |
| MDE- | 561244.3985 | 9579157.3681 | MDI- | 561239.3655 | 9579157.2914 | 49.004 |
| 488  |             |              | 488  |             |              |        |
| MDE- | 561255.3922 | 9579073.7899 | MDI- | 561250.4349 | 9579073.1379 | 49.024 |
| 489  |             |              | 489  |             |              |        |
| MDE- | 561257.8163 | 9578985.0315 | MDI- | 561252.8163 | 9578985.0315 | 49.044 |
| 490  |             |              | 490  |             |              |        |
| MDE- | 561252.2270 | 9578936.0398 | MDI- | 561247.2599 | 9578936.6126 | 49.064 |
| 491  |             |              | 491  |             |              |        |
| MDE- | 561245.6302 | 9578879.1253 | MDI- | 561240.6332 | 9578879.4394 | 49.084 |
| 492  |             |              | 492  |             |              |        |
| MDE- | 561244.8010 | 9578826.9151 | MDI- | 561240.1162 | 9578828.6625 | 49.104 |
| 493  |             |              | 493  |             |              |        |
| MDE- | 561231.4539 | 9578815.0515 | MDI- | 561226.6224 | 9578817.5499 | 49.124 |
| 494  |             |              | 494  |             |              |        |
| MDE- | 561228.4343 | 9578773.5309 | MDI- | 561223.4475 | 9578773.8936 | 49.144 |
| 495  |             |              | 495  |             |              |        |







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|         |             |              |         |             |                    |
|---------|-------------|--------------|---------|-------------|--------------------|
| 022     |             |              | 022     |             |                    |
| MIE-023 | 552871.4941 | 9604728.2392 | MII-023 | 552871.6411 | 9604738.3542 3.233 |
| MIE-024 | 552974.4639 | 9604710.9683 | MII-024 | 552977.5955 | 9604720.5827 3.362 |
| MIE-025 | 553056.7095 | 9604669.8536 | MII-025 | 553064.4056 | 9604677.1863 3.491 |
| MIE-026 | 553089.2986 | 9604596.1891 | MII-026 | 553097.7676 | 9604601.5068 3.620 |
| MIE-027 | 553204.5636 | 9604494.7085 | MII-027 | 553215.1062 | 9604498.7691 3.671 |
| MIE-028 | 553194.4194 | 9604406.9100 | MII-028 | 553204.4130 | 9604407.2665 3.749 |
| MIE-029 | 553218.5614 | 9604341.1106 | MII-029 | 553225.1223 | 9604348.6574 3.878 |
| MIE-030 | 553322.9688 | 9604318.1964 | MII-030 | 553323.7699 | 9604328.1643 4.007 |
| MIE-031 | 553409.6091 | 9604322.0564 | MII-031 | 553407.8726 | 9604331.9045 4.136 |
| MIE-032 | 553532.2373 | 9604347.5347 | MII-032 | 553531.4619 | 9604357.5872 4.265 |
| MIE-033 | 553601.5331 | 9604344.0030 | MII-033 | 553602.9442 | 9604353.9440 4.394 |
| MIE-034 | 553702.8654 | 9604320.1589 | MII-034 | 553705.1559 | 9604329.8930 4.523 |
| MIE-035 | 553779.6404 | 9604302.1681 | MII-035 | 553780.7409 | 9604312.1074 4.652 |
| MIE-036 | 553895.0531 | 9604317.1350 | MII-036 | 553893.3166 | 9604326.9830 4.781 |
| MIE-037 | 553997.7073 | 9604340.6748 | MII-037 | 553995.4710 | 9604350.4215 4.910 |
| MIE-038 | 554114.2405 | 9604367.4905 | MII-038 | 554110.8203 | 9604376.8874 5.039 |
| MIE-039 | 554199.8695 | 9604403.6546 | MII-039 | 554195.9776 | 9604412.8662 5.168 |
| MIE-040 | 554269.3297 | 9604445.1382 | MII-040 | 554262.9019 | 9604452.7986 5.297 |
| MIE-041 | 554332.5326 | 9604506.0635 | MII-041 | 554328.4370 | 9604516.0067 5.426 |
| MIE-042 | 554390.2727 | 9604506.8783 | MII-042 | 554394.2880 | 9604516.9360 5.555 |
| MIE-043 | 554417.1699 | 9604480.5989 | MII-043 | 554425.1898 | 9604486.7439 5.666 |
| MIE-044 | 554447.7052 | 9604426.0839 | MII-044 | 554456.4770 | 9604430.8866 5.509 |
| MIE-045 | 554489.3151 | 9604348.3106 | MII-045 | 554498.1450 | 9604353.0046 5.719 |
| MIE-046 | 554529.7047 | 9604272.0676 | MII-046 | 554538.5590 | 9604276.7156 5.857 |





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|         |             |              |         |             |              |       |
|---------|-------------|--------------|---------|-------------|--------------|-------|
| MIE-047 | 554567.4491 | 9604199.3046 | MII-047 | 554576.2870 | 9604203.9826 | 5.923 |
| MIE-048 | 554603.4008 | 9604132.7251 | MII-048 | 554612.1960 | 9604137.4836 | 5.994 |
| MIE-049 | 554636.6501 | 9604071.3872 | MII-049 | 554645.4400 | 9604076.1556 | 6.078 |
| MIE-050 | 554679.7673 | 9603991.9667 | MII-050 | 554688.5700 | 9603996.7116 | 6.172 |
| MIE-051 | 554726.6479 | 9603904.7605 | MII-051 | 554735.4340 | 9603909.5356 | 6.119 |
| MIE-052 | 554770.9755 | 9603826.1698 | MII-052 | 554776.7520 | 9603834.3326 | 6.268 |
| MIE-053 | 554883.9140 | 9603805.4772 | MII-053 | 554884.6174 | 9603815.4525 | 6.344 |
| MIE-054 | 555014.3448 | 9603796.2801 | MII-054 | 555015.1851 | 9603806.2456 | 6.421 |
| MIE-055 | 555181.5077 | 9603779.8059 | MII-055 | 555182.3823 | 9603789.7670 | 6.497 |
| MIE-056 | 555285.4653 | 9603771.7947 | MII-056 | 555291.2863 | 9603781.3758 | 6.574 |
| MIE-057 | 555327.4547 | 9603704.1914 | MII-057 | 556225.8930 | 9603728.1914 | 8.132 |
| MIE-058 | 555374.8140 | 9603586.2268 | MII-058 | 555336.4096 | 9603708.7268 | 6.650 |
| MIE-059 | 555387.5185 | 9603478.8749 | MII-059 | 555384.6118 | 9603588.6630 | 6.726 |
| MIE-060 | 555514.6420 | 9603419.7558 | MII-060 | 556164.6325 | 9603711.9254 | 8.025 |
| MIE-061 | 555604.6534 | 9603376.4960 | MII-061 | 555395.6266 | 9603484.7279 | 6.803 |
| MIE-062 | 555706.2667 | 9603312.0002 | MII-062 | 556299.0880 | 9603671.4960 | 8.495 |
| MIE-063 | 555782.5706 | 9603275.9273 | MII-063 | 555518.8757 | 9603428.8160 | 6.879 |
| MIE-064 | 555817.6011 | 9603324.8825 | MII-064 | 555609.5160 | 9603385.2540 | 6.956 |
| MIE-065 | 555837.5377 | 9603454.3169 | MII-065 | 556128.7450 | 9603630.4698 | 7.918 |
| MIE-066 | 555921.4585 | 9603547.5846 | MII-066 | 555711.2667 | 9603320.6605 | 7.063 |
| MIE-067 | 555978.7186 | 9603598.9039 | MII-067 | 556028.2166 | 9603627.6148 | 7.704 |
| MIE-068 | 556029.0705 | 9603617.2813 | MII-068 | 555780.7230 | 9603285.7552 | 7.170 |
| MIE-069 | 556086.6421 | 9603607.0403 | MII-069 | 556085.2362 | 9603616.9410 | 7.811 |
| MIE-070 | 556136.0159 | 9603623.6044 | MII-070 | 555808.5128 | 9603329.0544 | 7.277 |
| MIE-    | 556171.8454 | 9603703.4941 | MII-    | 555973.4796 | 9603607.6370 | 7.597 |





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|         |             |              |         |             |                     |
|---------|-------------|--------------|---------|-------------|---------------------|
| 071     |             |              | 071     |             |                     |
| MIE-072 | 556223.6794 | 9603717.2571 | MII-072 | 556394.1970 | 9603600.5790 8.784  |
| MIE-073 | 556293.0374 | 9603663.5348 | MII-073 | 555828.0975 | 9603458.7758 7.384  |
| MIE-074 | 556389.1970 | 9603591.9187 | MII-074 | 555914.3841 | 9603554.6727 7.491  |
| MIE-075 | 556489.8117 | 9603546.8157 | MII-075 | 556495.9480 | 9603555.0250 9.015  |
| MIE-076 | 556556.0061 | 9603469.6916 | MII-076 | 556562.4340 | 9603477.3520 9.066  |
| MIE-077 | 556662.7996 | 9603392.2356 | MII-077 | 556668.7130 | 9603400.3000 9.028  |
| MIE-078 | 556782.9259 | 9603303.2902 | MII-078 | 556788.8520 | 9603311.3450 9.245  |
| MIE-079 | 556890.2667 | 9603224.8194 | MII-079 | 556896.1590 | 9603232.8990 9.367  |
| MIE-080 | 557011.4946 | 9603136.6220 | MII-080 | 557017.3810 | 9603144.7060 9.507  |
| MIE-081 | 557121.0243 | 9603056.7991 | MII-081 | 557126.9370 | 9603064.8640 9.612  |
| MIE-082 | 557237.0004 | 9602971.2595 | MII-082 | 557242.9270 | 9602979.3140 9.942  |
| MIE-083 | 557348.9885 | 9602889.0534 | MII-083 | 557354.9150 | 9602897.1080 10.052 |
| MIE-084 | 557449.4402 | 9602814.9829 | MII-084 | 557455.3890 | 9602823.0210 10.517 |
| MIE-085 | 557553.3590 | 9602737.8095 | MII-085 | 557559.4110 | 9602745.7710 11.450 |
| MIE-086 | 557642.1469 | 9602668.7582 | MII-086 | 557648.2860 | 9602676.6520 11.603 |
| MIE-087 | 557747.3756 | 9602597.6373 | MII-087 | 557753.0842 | 9602605.8488 11.765 |
| MIE-088 | 557848.9067 | 9602525.0484 | MII-088 | 557854.7972 | 9602533.1299 11.442 |
| MIE-089 | 557941.9052 | 9602456.0058 | MII-089 | 557947.8505 | 9602464.0464 11.118 |
| MIE-090 | 558038.8645 | 9602384.6020 | MII-090 | 558044.7754 | 9602392.6680 10.795 |
| MIE-091 | 558146.7840 | 9602305.9045 | MII-091 | 558152.6485 | 9602314.0042 10.471 |
| MIE-092 | 558249.5597 | 9602232.0202 | MII-092 | 558255.3658 | 9602240.1618 10.147 |
| MIE-093 | 558330.6902 | 9602174.6271 | MII-093 | 558336.3990 | 9602182.8370 9.824  |
| MIE-094 | 558409.1040 | 9602121.0368 | MII-094 | 558414.7315 | 9602129.3030 9.500  |
| MIE-095 | 558508.0831 | 9602053.9142 | MII-095 | 558513.6957 | 9602062.1905 9.239  |





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|         |             |              |         |             |              |        |
|---------|-------------|--------------|---------|-------------|--------------|--------|
| MIE-096 | 558606.4862 | 9601994.0485 | MII-096 | 558612.0350 | 9602002.3780 | 9.045  |
| MIE-097 | 558745.9010 | 9601892.6449 | MII-097 | 558751.7830 | 9601900.7320 | 8.714  |
| MIE-098 | 558835.3151 | 9601827.6128 | MII-098 | 558841.1970 | 9601835.7000 | 8.168  |
| MIE-099 | 558924.3481 | 9601772.4006 | MII-099 | 558934.3590 | 9601777.9610 | 8.211  |
| MIE-100 | 558924.1865 | 9601689.9146 | MII-100 | 558934.1860 | 9601689.6410 | 8.267  |
| MIE-101 | 558918.6419 | 9601584.9364 | MII-101 | 558928.6200 | 9601584.2570 | 8.176  |
| MIE-102 | 558906.7827 | 9601442.9503 | MII-102 | 558916.7480 | 9601442.1180 | 8.083  |
| MIE-103 | 558901.0664 | 9601310.3021 | MII-103 | 558911.0470 | 9601309.6350 | 7.907  |
| MIE-104 | 558892.2072 | 9601212.9735 | MII-104 | 558902.1660 | 9601212.0670 | 8.267  |
| MIE-105 | 558887.3583 | 9601093.9952 | MII-105 | 558897.3500 | 9601093.5890 | 8.567  |
| MIE-106 | 558948.8424 | 9601036.2441 | MII-106 | 558953.3140 | 9601040.2710 | 8.838  |
| MIE-107 | 559004.9718 | 9600963.4148 | MII-107 | 559010.4890 | 9600966.0850 | 9.201  |
| MIE-108 | 559039.1616 | 9600826.6083 | MII-108 | 559045.2990 | 9600826.7970 | 9.669  |
| MIE-109 | 559019.1711 | 9600718.8429 | MII-109 | 559025.1090 | 9600717.9820 | 9.797  |
| MIE-110 | 559007.5672 | 9600638.8106 | MII-110 | 559013.4880 | 9600637.8320 | 9.883  |
| MIE-111 | 558992.5941 | 9600558.2637 | MII-111 | 558998.4930 | 9600557.1670 | 9.797  |
| MIE-112 | 558966.9583 | 9600420.3886 | MII-112 | 558972.8670 | 9600419.3470 | 9.700  |
| MIE-113 | 558947.0200 | 9600300.7265 | MII-113 | 558952.9250 | 9600299.6600 | 9.827  |
| MIE-114 | 558929.7266 | 9600210.8941 | MII-114 | 558935.7110 | 9600211.3240 | 10.051 |
| MIE-115 | 558949.7749 | 9600111.7220 | MII-115 | 558955.4190 | 9600113.7580 | 10.674 |
| MIE-116 | 559001.2107 | 9600042.2032 | MII-116 | 559006.7390 | 9600044.8250 | 10.713 |
| MIE-117 | 559019.1308 | 9599970.8749 | MII-117 | 559024.7690 | 9599972.9270 | 10.751 |
| MIE-118 | 559075.8880 | 9599867.6353 | MII-118 | 559081.2570 | 9599870.3240 | 10.805 |
| MIE-119 | 559149.9088 | 9599704.2707 | MII-119 | 559155.3740 | 9599706.7470 | 10.929 |
| MIE-    | 559212.3228 | 9599591.4078 | MII-    | 559217.5460 | 9599594.3600 | 11.063 |





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|         |             |              |
|---------|-------------|--------------|
| 120     |             |              |
| MIE-121 | 559257.7697 | 9599522.2493 |
| MIE-122 | 559420.0274 | 9599359.6032 |
| MIE-123 | 559552.1753 | 9599232.6962 |
| MIE-124 | 559620.8930 | 9599126.1800 |
| MIE-125 | 559716.2197 | 9598983.0753 |
| MIE-126 | 559794.7193 | 9598902.8037 |
| MIE-127 | 559902.3636 | 9598835.2647 |
| MIE-128 | 560001.1015 | 9598730.4930 |
| MIE-129 | 560079.4545 | 9598656.9255 |
| MIE-130 | 560174.4838 | 9598572.8709 |
| MIE-131 | 560393.3829 | 9598467.1688 |
| MIE-132 | 560510.8287 | 9598446.6945 |
| MIE-133 | 560645.3068 | 9598426.1794 |
| MIE-134 | 560780.7521 | 9598347.4136 |
| MIE-135 | 560861.7728 | 9598275.7186 |
| MIE-136 | 560948.5167 | 9598204.4355 |
| MIE-137 | 561015.3840 | 9598148.7178 |
| MIE-138 | 561170.5069 | 9598072.5249 |
| MIE-139 | 561301.0663 | 9598067.4259 |
| MIE-140 | 561440.5908 | 9598022.7083 |
| MIE-141 | 561600.8102 | 9597986.4861 |
| MIE-142 | 561675.5570 | 9597976.1002 |
| MIE-143 | 561797.0769 | 9597941.6417 |
| MIE-144 | 561798.1992 | 9597800.2144 |

|         |             |              |        |
|---------|-------------|--------------|--------|
| 120     |             |              |        |
| MII-121 | 559262.3660 | 9599526.1060 | 11.014 |
| MII-122 | 559424.2290 | 9599363.8860 | 11.892 |
| MII-123 | 559556.8370 | 9599236.5380 | 11.778 |
| MII-124 | 559625.9110 | 9599129.4690 | 11.645 |
| MII-125 | 559720.8160 | 9598986.9320 | 11.501 |
| MII-126 | 559798.5760 | 9598907.4000 | 11.631 |
| MII-127 | 559906.2020 | 9598839.9400 | 11.705 |
| MII-128 | 560005.4680 | 9598734.6080 | 11.783 |
| MII-129 | 560083.5610 | 9598661.3000 | 11.215 |
| MII-130 | 560177.8080 | 9598577.8660 | 11.141 |
| MII-131 | 560395.4350 | 9598472.8070 | 11.105 |
| MII-132 | 560511.7940 | 9598452.6160 | 11.064 |
| MII-133 | 560647.3380 | 9598431.9390 | 10.939 |
| MII-134 | 560784.2830 | 9598352.3010 | 11.174 |
| MII-135 | 560865.7490 | 9598280.2120 | 11.339 |
| MII-136 | 560952.3480 | 9598209.0530 | 11.162 |
| MII-137 | 561018.3840 | 9598153.9140 | 10.883 |
| MII-138 | 561172.3770 | 9598078.2260 | 11.004 |
| MII-139 | 561302.1130 | 9598073.3910 | 11.007 |
| MII-140 | 561442.4220 | 9598028.4220 | 11.011 |
| MII-141 | 561601.6360 | 9597992.4290 | 11.015 |
| MII-142 | 561676.7940 | 9597981.9860 | 11.018 |
| MII-143 | 561803.0410 | 9597946.1870 | 11.134 |
| MII-144 | 561804.1990 | 9597800.2620 | 11.260 |





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|         |             |              |         |             |              |        |
|---------|-------------|--------------|---------|-------------|--------------|--------|
| MIE-145 | 561801.5634 | 9597716.4318 | MII-145 | 561807.5660 | 9597716.4890 | 11.503 |
| MIE-146 | 561799.2534 | 9597607.0849 | MII-146 | 561805.2521 | 9597606.9581 | 6.482  |
| MIE-147 | 561799.6823 | 9597481.0839 | MII-147 | 561805.6822 | 9597481.1044 | 6.900  |
| MIE-148 | 561804.0909 | 9597364.8982 | MII-148 | 561810.0860 | 9597365.1394 | 7.318  |
| MIE-149 | 561808.4557 | 9597262.1583 | MII-149 | 561814.4498 | 9597262.4218 | 7.736  |
| MIE-150 | 561813.5238 | 9597150.6584 | MII-150 | 561819.5725 | 9597149.7235 | 8.154  |
| MIE-151 | 561775.7690 | 9597047.8916 | MII-151 | 561781.3173 | 9597045.5949 | 8.572  |
| MIE-152 | 561721.0972 | 9596929.4447 | MII-152 | 561726.7354 | 9596927.3926 | 8.990  |
| MIE-153 | 561689.6821 | 9596829.3294 | MII-153 | 561695.2181 | 9596826.9312 | 9.408  |
| MIE-154 | 561631.7838 | 9596726.6914 | MII-154 | 561637.0096 | 9596723.7435 | 9.826  |
| MIE-155 | 561594.0590 | 9596626.8893 | MII-155 | 561599.9679 | 9596625.8474 | 10.244 |
| MIE-156 | 561591.7875 | 9596491.4469 | MII-156 | 561597.7871 | 9596491.3982 | 10.662 |
| MIE-157 | 561602.8245 | 9596352.2373 | MII-157 | 561608.8384 | 9596352.3011 | 11.080 |
| MIE-158 | 561594.7591 | 9596213.6095 | MII-158 | 561600.7490 | 9596213.2610 | 6.064  |
| MIE-159 | 561595.5648 | 9596088.1119 | MII-159 | 561601.5650 | 9596088.1110 | 6.697  |
| MIE-160 | 561594.4491 | 9595945.8215 | MII-160 | 561600.4490 | 9595945.7980 | 7.157  |
| MIE-161 | 561603.6072 | 9595772.3768 | MII-161 | 561609.6060 | 9595772.5570 | 8.120  |
| MIE-162 | 561604.8343 | 9595612.4734 | MII-162 | 561610.7460 | 9595613.4990 | 9.340  |
| MIE-163 | 561737.7074 | 9595369.1689 | MII-163 | 561743.3220 | 9595371.4080 | 6.818  |
| MIE-164 | 561789.3305 | 9595174.3499 | MII-164 | 561794.4850 | 9595177.4210 | 4.714  |
| MIE-165 | 561919.5126 | 9595046.7646 | MII-165 | 561924.2150 | 9595055.5900 | 4.569  |
| MIE-166 | 562058.9682 | 9594972.4592 | MII-166 | 562068.8460 | 9594978.5270 | 4.819  |
| MIE-167 | 562060.8263 | 9594881.7712 | MII-167 | 562070.9272 | 9594876.9481 | 6.386  |
| MIE-168 | 561980.2218 | 9594819.2960 | MII-168 | 561985.8370 | 9594810.9962 | 7.952  |
| MIE-169 | 561869.9718 | 9594754.6636 | MII-169 | 561875.0292 | 9594746.0368 | 9.519  |





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|         |             |              |         |             |                     |
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| 169     |             |              | 169     |             |                     |
| MIE-170 | 561757.2307 | 9594663.1968 | MII-170 | 561765.3909 | 9594657.4167 11.085 |
| MIE-171 | 561713.1054 | 9594543.1646 | MII-171 | 561722.9535 | 9594541.4281 12.652 |
| MIE-172 | 561703.9762 | 9594446.2853 | MII-172 | 561713.7500 | 9594443.4080 14.219 |
| MIE-173 | 561669.9416 | 9594380.7485 | MII-173 | 561678.1890 | 9594374.9320 14.926 |
| MIE-174 | 561575.1043 | 9594278.6694 | MII-174 | 561583.3930 | 9594273.0750 14.479 |
| MIE-175 | 561544.7639 | 9594175.5165 | MII-175 | 561554.6120 | 9594173.7800 15.210 |
| MIE-176 | 561538.6726 | 9594079.3708 | MII-176 | 561548.6530 | 9594078.7450 15.244 |
| MIE-177 | 561539.2079 | 9594005.7878 | MII-177 | 561549.2140 | 9594005.0240 15.500 |
| MIE-178 | 561520.6608 | 9593890.8754 | MII-178 | 561530.5330 | 9593889.2820 25.555 |
| MIE-179 | 561511.3819 | 9593816.7143 | MII-179 | 561521.1550 | 9593814.2770 24.785 |
| MIE-180 | 561469.3820 | 9593706.6166 | MII-180 | 561477.9947 | 9593701.1374 25.498 |
| MIE-181 | 561406.4857 | 9593641.5882 | MII-181 | 561413.6275 | 9593634.5883 26.211 |
| MIE-182 | 561347.0070 | 9593581.6494 | MII-182 | 561353.6403 | 9593574.1372 26.925 |
| MIE-183 | 561292.3783 | 9593539.4628 | MII-183 | 561297.8793 | 9593531.0761 27.638 |
| MIE-184 | 561219.9493 | 9593499.5743 | MII-184 | 561224.1220 | 9593490.4560 27.751 |
| MIE-185 | 561133.3830 | 9593467.4368 | MII-185 | 561137.8300 | 9593458.4800 27.858 |
| MIE-186 | 561058.9800 | 9593430.4958 | MII-186 | 561063.4270 | 9593421.5390 27.979 |
| MIE-187 | 560951.3435 | 9593372.0972 | MII-187 | 560957.8280 | 9593364.4850 28.006 |
| MIE-188 | 560875.2588 | 9593306.3009 | MII-188 | 560881.8000 | 9593298.7370 27.979 |
| MIE-189 | 560813.5784 | 9593235.0517 | MII-189 | 560821.1030 | 9593228.4650 27.974 |
| MIE-190 | 560754.0907 | 9593167.8799 | MII-190 | 560762.3300 | 9593162.2130 27.959 |
| MIE-191 | 560687.7327 | 9593071.3450 | MII-191 | 560696.3930 | 9593066.3450 27.903 |
| MIE-192 | 560640.4153 | 9592975.4408 | MII-192 | 560649.8123 | 9592972.0206 27.862 |
| MIE-193 | 560615.6085 | 9592855.2630 | MII-193 | 560625.4565 | 9592853.5266 27.164 |





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|         |             |              |         |             |              |        |
|---------|-------------|--------------|---------|-------------|--------------|--------|
| MIE-194 | 560602.7878 | 9592745.6242 | MII-194 | 560612.7203 | 9592744.4643 | 26.466 |
| MIE-195 | 560600.5371 | 9592626.0492 | MII-195 | 560610.5362 | 9592625.9570 | 25.768 |
| MIE-196 | 560642.7140 | 9592465.0925 | MII-196 | 560652.3820 | 9592467.6480 | 25.070 |
| MIE-197 | 560661.4901 | 9592343.3697 | MII-197 | 560667.5750 | 9592343.0380 | 25.873 |
| MIE-198 | 560615.4664 | 9592139.4674 | MII-198 | 560620.5850 | 9592142.5980 | 28.915 |
| MIE-199 | 560824.0398 | 9592050.4258 | MII-199 | 560826.8280 | 9592055.7620 | 27.529 |
| MIE-200 | 560886.3359 | 9592010.9798 | MII-200 | 560890.3290 | 9592015.5530 | 27.515 |
| MIE-201 | 560958.0077 | 9591925.8445 | MII-201 | 560963.5900 | 9591928.5300 | 27.501 |
| MIE-202 | 560973.6886 | 9591847.2877 | MII-202 | 560979.9570 | 9591846.5360 | 27.488 |
| MIE-203 | 560950.0391 | 9591795.7538 | MII-203 | 560956.0010 | 9591795.0790 | 27.474 |
| MIE-204 | 560973.8319 | 9591682.9541 | MII-204 | 560979.5380 | 9591684.8090 | 27.461 |
| MIE-205 | 561006.2135 | 9591570.7999 | MII-205 | 561015.1250 | 9591575.3370 | 27.446 |
| MIE-206 | 561052.3102 | 9591480.2595 | MII-206 | 561061.5869 | 9591484.0793 | 27.432 |
| MIE-207 | 561090.0005 | 9591362.7407 | MII-207 | 561099.6250 | 9591365.4760 | 27.432 |
| MIE-208 | 561112.0525 | 9591273.8960 | MII-208 | 561121.7580 | 9591276.3050 | 27.637 |
| MIE-209 | 561142.4103 | 9591176.5542 | MII-209 | 561152.1610 | 9591178.8770 | 27.491 |
| MIE-210 | 561158.4887 | 9591080.1344 | MII-210 | 561168.3500 | 9591081.7940 | 28.201 |
| MIE-211 | 561180.7880 | 9590948.8392 | MII-211 | 561190.6380 | 9590950.5643 | 28.181 |
| MIE-212 | 561199.5449 | 9590844.1947 | MII-212 | 561209.3880 | 9590845.9590 | 28.153 |
| MIE-213 | 561218.4864 | 9590757.8064 | MII-213 | 561226.1049 | 9590764.2839 | 28.034 |
| MIE-214 | 561356.0817 | 9590676.3538 | MII-214 | 561363.6910 | 9590683.4820 | 27.258 |
| MIE-215 | 561420.9056 | 9590547.3908 | MII-215 | 561432.4250 | 9590546.7400 | 27.389 |
| MIE-216 | 561351.9161 | 9590441.7505 | MII-216 | 561360.5763 | 9590436.7505 | 27.845 |
| MIE-217 | 561293.1054 | 9590332.8215 | MII-217 | 561301.9050 | 9590328.0710 | 27.679 |
| MIE-218 | 561277.9840 | 9590224.8315 | MII-218 | 561283.8660 | 9590223.6340 | 27.521 |







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| 218     |             |              | 218     |             |                     |
| MIE-219 | 561256.9222 | 9590135.2709 | MII-219 | 561262.8310 | 9590134.2290 27.502 |
| MIE-220 | 561253.9284 | 9590054.0637 | MII-220 | 561259.8660 | 9590052.2300 27.477 |
| MIE-221 | 561193.4680 | 9589958.2519 | MII-221 | 561198.4710 | 9589954.9370 27.634 |
| MIE-222 | 561136.3824 | 9589876.0048 | MII-222 | 561141.7730 | 9589873.3700 27.791 |
| MIE-223 | 561125.3937 | 9589804.6819 | MII-223 | 561131.1130 | 9589802.3640 27.948 |
| MIE-224 | 561087.5703 | 9589750.8480 | MII-224 | 561093.4700 | 9589749.7560 28.105 |
| MIE-225 | 561101.1916 | 9589696.3549 | MII-225 | 561107.4750 | 9589696.0370 28.262 |
| MIE-226 | 561077.0550 | 9589631.4706 | MII-226 | 561081.4830 | 9589626.1650 28.770 |
| MIE-227 | 560967.5693 | 9589611.9666 | MII-227 | 560968.4419 | 9589606.0276 29.626 |
| MIE-228 | 560854.3835 | 9589597.6059 | MII-228 | 560858.5350 | 9589593.2740 30.482 |
| MIE-229 | 560838.2491 | 9589547.4648 | MII-229 | 560843.9574 | 9589549.3130 30.252 |
| MIE-230 | 560864.3975 | 9589520.5217 | MII-230 | 560870.3350 | 9589523.0788 30.023 |
| MIE-231 | 560865.5722 | 9589473.8923 | MII-231 | 560871.6230 | 9589471.9531 30.494 |
| MIE-232 | 560804.7639 | 9589393.1476 | MII-232 | 560809.3330 | 9589389.2410 30.856 |
| MIE-233 | 560729.4108 | 9589315.3264 | MII-233 | 560733.9576 | 9589311.4115 30.569 |
| MIE-234 | 560678.6608 | 9589256.3843 | MII-234 | 560683.1410 | 9589252.3920 30.377 |
| MIE-235 | 560603.4664 | 9589174.7661 | MII-235 | 560608.3570 | 9589171.2900 30.142 |
| MIE-236 | 560551.2003 | 9589081.0239 | MII-236 | 560561.0430 | 9589082.7900 31.930 |
| MIE-237 | 560567.7666 | 9588990.2752 | MII-237 | 560577.6040 | 9588992.0710 31.796 |
| MIE-238 | 560592.2357 | 9588912.8954 | MII-238 | 560602.0619 | 9588914.9914 31.643 |
| MIE-239 | 560606.1405 | 9588790.4312 | MII-239 | 560616.2020 | 9588790.4560 31.326 |
| MIE-240 | 560594.9539 | 9588687.4399 | MII-240 | 560604.8955 | 9588686.3600 31.148 |
| MIE-241 | 560581.2865 | 9588560.9722 | MII-241 | 560591.2857 | 9588561.0592 31.270 |
| MIE-242 | 560583.2307 | 9588449.2272 | MII-242 | 560593.2292 | 9588449.4012 31.392 |





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|---------|-------------|--------------|---------|-------------|--------------|--------|
| MIE-243 | 560585.0865 | 9588342.6030 | MII-243 | 560595.0850 | 9588342.7770 | 31.515 |
| MIE-244 | 560622.7210 | 9588250.7257 | MII-244 | 560628.3487 | 9588252.8063 | 31.403 |
| MIE-245 | 560650.6003 | 9588175.3183 | MII-245 | 560656.2280 | 9588177.3990 | 31.292 |
| MIE-246 | 560687.5845 | 9588092.0349 | MII-246 | 560693.5910 | 9588093.2930 | 31.069 |
| MIE-247 | 560687.3270 | 9588042.0211 | MII-247 | 560693.3230 | 9588041.2420 | 31.214 |
| MIE-248 | 560655.8994 | 9587920.5722 | MII-248 | 560661.6990 | 9587919.0340 | 31.372 |
| MIE-249 | 560629.5483 | 9587823.7775 | MII-249 | 560635.3376 | 9587822.2015 | 31.307 |
| MIE-250 | 560600.8302 | 9587718.1929 | MII-250 | 560606.7390 | 9587717.1510 | 31.243 |
| MIE-251 | 560599.0785 | 9587620.6006 | MII-251 | 560605.0780 | 9587620.5490 | 31.289 |
| MIE-252 | 560605.9852 | 9587541.1391 | MII-252 | 560611.8940 | 9587542.1810 | 31.315 |
| MIE-253 | 560632.1319 | 9587448.4570 | MII-253 | 560637.9060 | 9587450.0879 | 31.436 |
| MIE-254 | 560660.1700 | 9587349.9561 | MII-254 | 560665.3180 | 9587353.0380 | 31.554 |
| MIE-255 | 560742.8857 | 9587269.9065 | MII-255 | 560747.1580 | 9587274.1220 | 32.721 |
| MIE-256 | 560794.3741 | 9587215.0206 | MII-256 | 560798.9570 | 9587218.9050 | 32.866 |
| MIE-257 | 560865.7656 | 9587116.3887 | MII-257 | 560875.4392 | 9587118.9228 | 33.011 |
| MIE-258 | 560905.6580 | 9586964.1062 | MII-258 | 560915.9310 | 9586964.3520 | 33.015 |
| MIE-259 | 560887.3943 | 9586877.7155 | MII-259 | 560897.0391 | 9586874.9897 | 32.023 |
| MIE-260 | 560850.9584 | 9586775.5531 | MII-260 | 560860.1532 | 9586771.5655 | 31.123 |
| MIE-261 | 560804.7689 | 9586685.1163 | MII-261 | 560814.5626 | 9586683.0955 | 31.321 |
| MIE-262 | 560814.5802 | 9586537.5270 | MII-262 | 560824.5480 | 9586538.3210 | 31.518 |
| MIE-263 | 560822.2602 | 9586452.5152 | MII-263 | 560832.2340 | 9586453.2560 | 31.716 |
| MIE-264 | 560828.6198 | 9586343.1264 | MII-264 | 560838.6029 | 9586343.7068 | 31.914 |
| MIE-265 | 560847.9010 | 9586229.5544 | MII-265 | 560857.8289 | 9586230.8237 | 32.112 |
| MIE-266 | 560859.6596 | 9586092.2859 | MII-266 | 560869.6197 | 9586093.1770 | 32.309 |
| MIE-    | 560871.0232 | 9585970.4628 | MII-    | 560880.9751 | 9585971.4411 | 32.507 |





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| 267     |             |              | 267     |             |                     |
| MIE-268 | 560884.3125 | 9585841.8778 | MII-268 | 560894.2731 | 9585842.7740 32.705 |
| MIE-269 | 560894.0092 | 9585715.2215 | MII-269 | 560903.9800 | 9585715.9848 32.902 |
| MIE-270 | 560914.9562 | 9585585.3979 | MII-270 | 560924.8844 | 9585586.6448 33.100 |
| MIE-271 | 560925.3760 | 9585469.3502 | MII-271 | 560935.3530 | 9585470.0540 33.298 |
| MIE-272 | 560931.9179 | 9585342.0600 | MII-272 | 560941.9047 | 9585342.5733 33.495 |
| MIE-273 | 560974.3095 | 9585229.7847 | MII-273 | 560979.9303 | 9585231.8832 33.693 |
| MIE-274 | 561006.3536 | 9585146.2805 | MII-274 | 561011.5497 | 9585149.2805 33.891 |
| MIE-275 | 561037.4152 | 9585105.4702 | MII-275 | 561045.4850 | 9585104.7830 34.089 |
| MIE-276 | 561005.4953 | 9585075.7725 | MII-276 | 561008.3886 | 9585070.2691 34.186 |
| MIE-277 | 560953.2270 | 9585064.1589 | MII-277 | 560954.0030 | 9585058.1850 34.279 |
| MIE-278 | 560895.9838 | 9585061.7976 | MII-278 | 560897.2462 | 9585055.9321 34.515 |
| MIE-279 | 560842.6552 | 9585040.3278 | MII-279 | 560843.0923 | 9585034.0325 34.751 |
| MIE-280 | 560740.5205 | 9585065.9349 | MII-280 | 560738.6362 | 9585060.2216 34.987 |
| MIE-281 | 560671.4501 | 9585094.4462 | MII-281 | 560669.3980 | 9585088.8080 35.224 |
| MIE-282 | 560611.5274 | 9585111.4340 | MII-282 | 560611.5290 | 9585105.4340 35.594 |
| MIE-283 | 560530.9361 | 9585111.3008 | MII-283 | 560531.9780 | 9585105.3920 35.582 |
| MIE-284 | 560467.4079 | 9585094.2712 | MII-284 | 560469.4600 | 9585088.6330 35.570 |
| MIE-285 | 560428.6003 | 9585075.6113 | MII-285 | 560438.9820 | 9585072.8340 35.558 |
| MIE-286 | 560435.0103 | 9585004.8779 | MII-286 | 560445.2120 | 9585003.0650 35.546 |
| MIE-287 | 560401.5651 | 9584932.8287 | MII-287 | 560411.4870 | 9584931.5810 35.534 |
| MIE-288 | 560403.5565 | 9584868.2735 | MII-288 | 560413.5600 | 9584868.3290 35.522 |
| MIE-289 | 560401.7409 | 9584774.9545 | MII-289 | 560411.5890 | 9584776.6910 35.510 |
| MIE-290 | 560430.6585 | 9584693.1275 | MII-290 | 560440.0830 | 9584696.4710 35.498 |
| MIE-291 | 560459.1857 | 9584612.7780 | MII-291 | 560467.8460 | 9584617.7780 35.486 |





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|         |             |              |         |             |              |        |
|---------|-------------|--------------|---------|-------------|--------------|--------|
| MIE-292 | 560509.0186 | 9584534.4799 | MII-292 | 560517.8910 | 9584539.1640 | 35.474 |
| MIE-293 | 560529.7798 | 9584487.1019 | MII-293 | 560537.4400 | 9584493.5300 | 35.462 |
| MIE-294 | 560582.0162 | 9584452.4264 | MII-294 | 560595.2300 | 9584455.7330 | 35.448 |
| MIE-295 | 560562.4827 | 9584416.7705 | MII-295 | 560570.7900 | 9584411.1210 | 35.311 |
| MIE-296 | 560521.5692 | 9584367.5276 | MII-296 | 560528.9360 | 9584360.7460 | 35.789 |
| MIE-297 | 560446.0786 | 9584293.3739 | MII-297 | 560453.7390 | 9584286.9460 | 35.627 |
| MIE-298 | 560399.5077 | 9584228.2470 | MII-298 | 560408.1680 | 9584223.2470 | 35.362 |
| MIE-299 | 560379.0707 | 9584170.6914 | MII-299 | 560389.0220 | 9584169.7050 | 36.381 |
| MIE-300 | 560381.0983 | 9584081.2937 | MII-300 | 560391.1240 | 9584080.3160 | 36.388 |
| MIE-301 | 560368.5453 | 9584023.4664 | MII-301 | 560378.5450 | 9584023.5150 | 36.394 |
| MIE-302 | 560369.0363 | 9583972.9068 | MII-302 | 560379.0670 | 9583969.7970 | 36.401 |
| MIE-303 | 560330.5802 | 9583917.9997 | MII-303 | 560338.7710 | 9583912.2630 | 36.407 |
| MIE-304 | 560304.7566 | 9583877.4303 | MII-304 | 560313.7540 | 9583873.0660 | 36.414 |
| MIE-305 | 560276.8799 | 9583817.3070 | MII-305 | 560286.8740 | 9583817.6510 | 36.420 |
| MIE-306 | 560294.9877 | 9583768.7842 | MII-306 | 560304.7300 | 9583771.3130 | 36.427 |
| MIE-307 | 560299.7549 | 9583734.9906 | MII-307 | 560310.0640 | 9583733.5020 | 36.433 |
| MIE-308 | 560282.2434 | 9583695.4150 | MII-308 | 560292.1640 | 9583694.1570 | 36.311 |
| MIE-309 | 560294.0624 | 9583625.9238 | MII-309 | 560304.1110 | 9583626.5250 | 36.190 |
| MIE-310 | 560288.9770 | 9583533.7840 | MII-310 | 560298.9770 | 9583533.7840 | 35.924 |
| MIE-311 | 560298.3388 | 9583431.2338 | MII-311 | 560308.2970 | 9583432.1470 | 35.756 |
| MIE-312 | 560294.2184 | 9583333.6053 | MII-312 | 560299.1369 | 9583332.4878 | 25.223 |
| MIE-313 | 560268.6277 | 9583264.5064 | MII-313 | 560273.5001 | 9583263.3841 | 25.229 |
| MIE-314 | 560255.7909 | 9583208.7755 | MII-314 | 560260.6710 | 9583207.6880 | 25.236 |
| MIE-315 | 560243.3912 | 9583150.3942 | MII-315 | 560248.3850 | 9583150.6440 | 25.242 |
| MIE-    | 560247.5780 | 9583067.4838 | MII-    | 560252.5020 | 9583068.3520 | 25.983 |





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|         |             |              |         |             |                     |
|---------|-------------|--------------|---------|-------------|---------------------|
| 316     |             |              | 316     |             |                     |
| MIE-317 | 560280.7265 | 9582956.2169 | MII-317 | 560285.4250 | 9582957.9270 26.129 |
| MIE-318 | 560304.3558 | 9582917.0943 | MII-318 | 560308.4090 | 9582920.0220 26.231 |
| MIE-319 | 560346.4228 | 9582858.8563 | MII-319 | 560350.4760 | 9582861.7840 26.287 |
| MIE-320 | 560369.1983 | 9582831.7385 | MII-320 | 560373.1650 | 9582834.7900 26.126 |
| MIE-321 | 560397.4478 | 9582791.5641 | MII-321 | 560401.5520 | 9582794.4200 25.958 |
| MIE-322 | 560417.1176 | 9582762.8267 | MII-322 | 560421.4050 | 9582765.4150 25.876 |
| MIE-323 | 560441.1966 | 9582717.2770 | MII-323 | 560445.6660 | 9582719.5210 25.812 |
| MIE-324 | 560463.8274 | 9582669.7464 | MII-324 | 560468.5470 | 9582671.4650 25.172 |
| MIE-325 | 560480.3944 | 9582605.9558 | MII-325 | 560485.4140 | 9582606.5190 25.176 |
| MIE-326 | 560479.4400 | 9582574.7030 | MII-326 | 560484.4400 | 9582574.7030 24.180 |
| MIE-327 | 560484.5696 | 9582536.6398 | MII-327 | 560489.6902 | 9582536.0909 24.183 |
| MIE-328 | 560468.8912 | 9582493.3028 | MII-328 | 560473.8152 | 9582492.4346 25.186 |
| MIE-329 | 560464.9194 | 9582425.0513 | MII-329 | 560469.8464 | 9582423.6427 25.496 |
| MIE-330 | 560443.7152 | 9582386.1772 | MII-330 | 560448.0640 | 9582383.7082 25.784 |
| MIE-331 | 560399.5255 | 9582311.3121 | MII-331 | 560403.7005 | 9582308.5488 26.058 |
| MIE-332 | 560343.3961 | 9582235.2829 | MII-332 | 560347.6162 | 9582232.6013 26.363 |
| MIE-333 | 560304.2427 | 9582173.6665 | MII-333 | 560308.4503 | 9582170.9652 26.368 |
| MIE-334 | 560267.5929 | 9582117.3830 | MII-334 | 560271.4085 | 9582114.0796 26.958 |
| MIE-335 | 560197.2613 | 9582055.5919 | MII-335 | 560199.9995 | 9582051.3421 27.536 |
| MIE-336 | 560132.9395 | 9582026.5650 | MII-336 | 560134.6620 | 9582021.8568 28.124 |
| MIE-337 | 560062.3463 | 9582006.4418 | MII-337 | 560063.7102 | 9582001.6315 28.421 |
| MIE-338 | 560011.2995 | 9581992.0440 | MII-338 | 560012.1163 | 9581987.0794 28.712 |
| MIE-339 | 559960.9160 | 9581989.4603 | MII-339 | 559960.5225 | 9581984.4335 29.001 |
| MIE-340 | 559911.7535 | 9581999.8103 | MII-340 | 559910.2516 | 9581995.0169 29.298 |





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|         |             |              |         |             |              |        |
|---------|-------------|--------------|---------|-------------|--------------|--------|
| MIE-341 | 559818.0866 | 9582039.3836 | MII-341 | 559816.3243 | 9582034.7045 | 29.593 |
| MIE-342 | 559712.9379 | 9582077.8320 | MII-342 | 559714.4595 | 9582073.0691 | 29.887 |
| MIE-343 | 559623.5090 | 9582049.2583 | MII-343 | 559625.2191 | 9582044.5598 | 30.164 |
| MIE-344 | 559524.1050 | 9582004.6387 | MII-344 | 559526.6050 | 9582000.3086 | 30.313 |
| MIE-345 | 559449.4024 | 9581940.1774 | MII-345 | 559453.2326 | 9581936.9635 | 30.475 |
| MIE-346 | 559415.1667 | 9581882.5049 | MII-346 | 559419.4485 | 9581879.9229 | 30.627 |
| MIE-347 | 559374.5123 | 9581816.2104 | MII-347 | 559378.8323 | 9581813.6929 | 30.769 |
| MIE-348 | 559332.9521 | 9581744.8585 | MII-348 | 559337.4666 | 9581742.7093 | 31.068 |
| MIE-349 | 559291.2966 | 9581657.3590 | MII-349 | 559295.0941 | 9581653.7037 | 31.478 |
| MIE-350 | 559265.5967 | 9581643.8972 | MII-350 | 559267.3128 | 9581639.1516 | 31.942 |
| MIE-351 | 559202.2429 | 9581630.2999 | MII-351 | 559203.2386 | 9581625.3998 | 32.263 |
| MIE-352 | 559140.0229 | 9581618.2640 | MII-352 | 559140.5537 | 9581613.2740 | 32.537 |
| MIE-353 | 559048.1625 | 9581616.2943 | MII-353 | 559049.0311 | 9581611.3703 | 32.828 |
| MIE-354 | 558981.0767 | 9581604.4556 | MII-354 | 558981.5622 | 9581599.4640 | 33.418 |
| MIE-355 | 558899.3551 | 9581602.8711 | MII-355 | 558899.4520 | 9581597.8721 | 33.568 |
| MIE-356 | 558825.1019 | 9581589.6216 | MII-356 | 558826.7806 | 9581584.9119 | 33.713 |
| MIE-357 | 558735.4259 | 9581530.9695 | MII-357 | 558739.4680 | 9581528.0264 | 33.811 |
| MIE-358 | 558726.8300 | 9581485.1823 | MII-358 | 558731.5305 | 9581483.0471 | 33.909 |
| MIE-359 | 558689.7535 | 9581439.1564 | MII-359 | 558693.1658 | 9581435.4220 | 34.008 |
| MIE-360 | 558638.3413 | 9581404.8421 | MII-360 | 558641.5719 | 9581401.0261 | 34.308 |
| MIE-361 | 558579.8072 | 9581354.8430 | MII-361 | 558582.9315 | 9581350.9359 | 34.601 |
| MIE-362 | 558504.2171 | 9581298.3057 | MII-362 | 558506.6342 | 9581293.8697 | 34.583 |
| MIE-363 | 558457.8102 | 9581280.9891 | MII-363 | 558460.3320 | 9581276.6717 | 34.865 |
| MIE-364 | 558399.5799 | 9581246.5804 | MII-364 | 558402.1235 | 9581242.2758 | 37.456 |
| MIE-    | 558348.2854 | 9581202.4344 | MII-    | 558349.6730 | 9581197.0280 | 40.005 |





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|         |             |              |         |             |                     |
|---------|-------------|--------------|---------|-------------|---------------------|
| 365     |             |              | 365     |             |                     |
| MIE-366 | 558258.3680 | 9581220.6140 | MII-366 | 558260.3230 | 9581216.0120 42.006 |
| MIE-367 | 558235.7214 | 9581185.4338 | MII-367 | 558239.3060 | 9581181.7140 42.267 |
| MIE-368 | 558186.3501 | 9581157.3872 | MII-368 | 558189.9680 | 9581153.9360 42.403 |
| MIE-369 | 558159.6361 | 9581109.1688 | MII-369 | 558164.6020 | 9581108.5860 42.854 |
| MIE-370 | 558184.7117 | 9581027.4104 | MII-370 | 558189.4980 | 9581028.8570 43.377 |
| MIE-371 | 558203.9565 | 9580961.5289 | MII-371 | 558208.6550 | 9580963.2390 43.793 |
| MIE-372 | 558267.0919 | 9580841.4850 | MII-372 | 558271.4220 | 9580843.9850 42.808 |
| MIE-373 | 558298.3119 | 9580792.2456 | MII-373 | 558302.8720 | 9580794.3910 42.823 |
| MIE-374 | 558311.2349 | 9580752.5095 | MII-374 | 558315.9760 | 9580754.0970 43.838 |
| MIE-375 | 558331.5951 | 9580693.4166 | MII-375 | 558336.3080 | 9580695.0860 43.852 |
| MIE-376 | 558354.5029 | 9580657.8324 | MII-376 | 558359.7901 | 9580658.8684 44.010 |
| MIE-377 | 558338.9180 | 9580575.3578 | MII-377 | 558343.9151 | 9580575.5245 44.168 |
| MIE-378 | 558356.7081 | 9580504.4213 | MII-378 | 558361.7830 | 9580504.7460 44.286 |
| MIE-379 | 558351.7552 | 9580462.1676 | MII-379 | 558356.7300 | 9580462.6680 44.404 |
| MIE-380 | 558380.1699 | 9580382.6370 | MII-380 | 558384.5000 | 9580385.1370 44.522 |
| MIE-381 | 558420.7109 | 9580330.4786 | MII-381 | 558423.3810 | 9580334.7060 44.640 |
| MIE-382 | 558456.4348 | 9580322.7460 | MII-382 | 558457.3030 | 9580327.6700 44.758 |
| MIE-383 | 558569.4742 | 9580308.4332 | MII-383 | 558570.1940 | 9580313.3820 44.876 |
| MIE-384 | 558716.8073 | 9580284.1886 | MII-384 | 558717.8150 | 9580289.0900 44.994 |
| MIE-385 | 558796.3194 | 9580264.5586 | MII-385 | 558797.8740 | 9580269.3250 45.112 |
| MIE-386 | 558863.7569 | 9580236.9515 | MII-386 | 558865.4670 | 9580241.6500 45.155 |
| MIE-387 | 558903.2094 | 9580228.3078 | MII-387 | 558904.0280 | 9580233.2400 45.198 |
| MIE-388 | 558984.1686 | 9580215.7040 | MII-388 | 558984.9377 | 9580220.6445 45.241 |
| MIE-389 | 559070.1668 | 9580206.9577 | MII-389 | 559070.6750 | 9580211.9318 45.284 |





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|         |             |              |         |             |              |        |
|---------|-------------|--------------|---------|-------------|--------------|--------|
| MIE-390 | 559155.2119 | 9580197.9383 | MII-390 | 559156.4500 | 9580202.8350 | 45.327 |
| MIE-391 | 559274.6741 | 9580148.8879 | MII-391 | 559276.5732 | 9580153.5132 | 45.369 |
| MIE-392 | 559342.3803 | 9580135.3818 | MII-392 | 559341.3963 | 9580140.2840 | 45.412 |
| MIE-393 | 559375.4861 | 9580162.1837 | MII-393 | 559373.1463 | 9580166.7424 | 45.455 |
| MIE-394 | 559408.8520 | 9580170.8342 | MII-394 | 559408.8651 | 9580176.0028 | 45.498 |
| MIE-395 | 559475.8759 | 9580153.0945 | MII-395 | 559477.4718 | 9580157.8442 | 45.541 |
| MIE-396 | 559554.7472 | 9580120.8254 | MII-396 | 559555.7092 | 9580125.7319 | 45.584 |
| MIE-397 | 559626.9052 | 9580117.9037 | MII-397 | 559626.9052 | 9580122.9037 | 45.627 |
| MIE-398 | 559682.6331 | 9580125.9598 | MII-398 | 559682.7094 | 9580131.0236 | 45.670 |
| MIE-399 | 559703.2574 | 9580122.3202 | MII-399 | 559705.1991 | 9580127.0548 | 45.713 |
| MIE-400 | 559742.4172 | 9580095.7297 | MII-400 | 559743.5637 | 9580100.5964 | 45.756 |
| MIE-401 | 559787.5829 | 9580101.1808 | MII-401 | 559785.8971 | 9580105.8881 | 45.798 |
| MIE-402 | 559856.5800 | 9580149.6830 | MII-402 | 559853.3660 | 9580153.5132 | 45.841 |
| MIE-403 | 559893.5080 | 9580191.7968 | MII-403 | 559890.4078 | 9580195.8466 | 45.884 |
| MIE-404 | 559952.7711 | 9580220.8301 | MII-404 | 559949.9391 | 9580224.9509 | 45.927 |
| MIE-405 | 559982.3426 | 9580249.8452 | MII-405 | 559979.2071 | 9580253.7748 | 45.970 |
| MIE-406 | 560044.4747 | 9580289.6070 | MII-406 | 560041.7795 | 9580293.8184 | 46.013 |
| MIE-407 | 560106.6117 | 9580336.2146 | MII-407 | 560103.3978 | 9580340.0448 | 46.056 |
| MIE-408 | 560140.6819 | 9580373.0681 | MII-408 | 560136.4708 | 9580375.7637 | 46.099 |
| MIE-409 | 560158.5597 | 9580417.0586 | MII-409 | 560153.6687 | 9580418.0971 | 46.142 |
| MIE-410 | 560159.8996 | 9580457.4082 | MII-410 | 560154.9916 | 9580460.4305 | 46.185 |
| MIE-411 | 560232.8002 | 9580497.0559 | MII-411 | 560230.3980 | 9580501.4410 | 46.227 |
| MIE-412 | 560270.4618 | 9580517.8346 | MII-412 | 560268.7627 | 9580522.6077 | 46.270 |
| MIE-413 | 560313.3135 | 9580525.6259 | MII-413 | 560312.4190 | 9580530.5452 | 46.313 |
| MIE-    | 560391.6484 | 9580553.9964 | MII-    | 560389.1484 | 9580558.3265 | 46.356 |







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|         |             |              |         |             |                     |
|---------|-------------|--------------|---------|-------------|---------------------|
| 414     |             |              | 414     |             |                     |
| MIE-415 | 560448.8948 | 9580593.9135 | MII-415 | 560446.0339 | 9580598.0141 46.399 |
| MIE-416 | 560488.1760 | 9580646.7320 | MII-416 | 560485.0600 | 9580650.9309 46.442 |
| MIE-417 | 560505.2059 | 9580652.7859 | MII-417 | 560504.5660 | 9580657.8650 46.485 |
| MIE-418 | 560561.1304 | 9580647.6890 | MII-418 | 560562.7950 | 9580652.5580 46.528 |
| MIE-419 | 560605.1179 | 9580619.6223 | MII-419 | 560608.8853 | 9580623.1496 46.572 |
| MIE-420 | 560634.6884 | 9580565.9605 | MII-420 | 560638.5186 | 9580569.1745 46.952 |
| MIE-421 | 560683.9784 | 9580524.0774 | MII-421 | 560687.2021 | 9580527.8994 47.126 |
| MIE-422 | 560734.4443 | 9580493.5089 | MII-422 | 560737.3137 | 9580497.6169 47.858 |
| MIE-423 | 560768.6034 | 9580466.2628 | MII-423 | 560770.8106 | 9580470.7493 48.056 |
| MIE-424 | 560838.8060 | 9580450.3630 | MII-424 | 560841.4733 | 9580454.8888 48.254 |
| MIE-425 | 560865.7350 | 9580420.1876 | MII-425 | 560868.7934 | 9580424.1431 48.456 |
| MIE-426 | 560922.1763 | 9580395.3753 | MII-426 | 560924.7092 | 9580399.7251 48.648 |
| MIE-427 | 560963.0443 | 9580364.8189 | MII-427 | 560965.5443 | 9580369.1491 48.668 |
| MIE-428 | 560989.6309 | 9580352.6829 | MII-428 | 560990.9443 | 9580357.5074 48.684 |
| MIE-429 | 561046.7753 | 9580346.6677 | MII-429 | 561048.3034 | 9580351.5357 48.704 |
| MIE-430 | 561074.5741 | 9580331.3122 | MII-430 | 561077.7279 | 9580335.2823 48.724 |
| MIE-431 | 561101.6773 | 9580301.1975 | MII-431 | 561106.3029 | 9580303.5323 48.744 |
| MIE-432 | 561119.2444 | 9580215.4287 | MII-432 | 561124.2946 | 9580215.6904 48.764 |
| MIE-433 | 561110.8873 | 9580130.8132 | MII-433 | 561115.8279 | 9580129.9652 48.773 |
| MIE-434 | 561092.9122 | 9580057.8083 | MII-434 | 561097.8362 | 9580056.9401 48.784 |
| MIE-435 | 561081.2166 | 9579960.0428 | MII-435 | 561086.1945 | 9579959.5732 48.824 |
| MIE-436 | 561070.6688 | 9579848.2356 | MII-436 | 561075.6112 | 9579847.3897 48.844 |
| MIE-437 | 561060.0287 | 9579804.9606 | MII-437 | 561065.0278 | 9579805.0563 48.855 |
| MIE-438 | 561066.3569 | 9579782.2041 | MII-438 | 561071.3778 | 9579782.8312 48.864 |





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|         |             |              |         |             |              |        |
|---------|-------------|--------------|---------|-------------|--------------|--------|
| MIE-439 | 561064.3064 | 9579711.2517 | MII-439 | 561069.2612 | 9579711.9227 | 48.875 |
| MIE-440 | 561091.0211 | 9579618.1375 | MII-440 | 561095.7196 | 9579619.8476 | 48.884 |
| MIE-441 | 561134.9068 | 9579534.3344 | MII-441 | 561139.4967 | 9579536.3478 | 48.904 |
| MIE-442 | 561160.7447 | 9579462.1576 | MII-442 | 561165.7378 | 9579463.0450 | 48.924 |
| MIE-443 | 561161.6381 | 9579351.7711 | MII-443 | 561166.6280 | 9579352.0887 | 48.944 |
| MIE-444 | 561169.0332 | 9579235.5629 | MII-444 | 561174.0364 | 9579235.6718 | 48.964 |
| MIE-445 | 561166.9216 | 9579129.9823 | MII-445 | 561171.9197 | 9579129.8382 | 49.004 |
| MIE-446 | 561163.7447 | 9579044.1131 | MII-446 | 561168.7447 | 9579044.1131 | 49.024 |
| MIE-447 | 561172.1740 | 9578944.8568 | MII-447 | 561177.2114 | 9578944.6295 | 49.064 |
| MIE-448 | 561158.2968 | 9578866.3659 | MII-448 | 561163.2207 | 9578865.4965 | 49.084 |
| MIE-449 | 561151.0624 | 9578781.0086 | MII-449 | 561156.0447 | 9578780.5875 | 49.144 |



MINISTERIO DE AGRICULTURA Y RIEGO  
AUTORIDAD NACIONAL DEL AGUA  
AUTORIDAD ADMINISTRATIVA DEL AGUA  
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Ing. Juan José Gómez Murillo  
DIRECTOR