*“Por medio de la cual se precisa el límite de la Reserva Forestal Protectora Nacional del Río Cali, declarada mediante Resolución No. 9 del 03 de Diciembre de 1938”*

**EL MINISTRO DE AMBIENTE Y DESARROLLO SOSTENIBLE**

En ejercicio de sus facultades constitucionales y legales, en especial de las conferidas en el artículo 5 numeral 18 de la Ley 99 de 1993, numeral 14 del artículo 2 del Decreto Ley 3570 de 2011 y en los artículos 2.2.2.1.2.3 y 2.2.2.1.9.1 del Decreto 1076 de 2015, y

**CONSIDERANDO:**

Que la Constitución Política de Colombia establece en sus artículos 8, 58, 79 y 80 que es obligación del Estado y de las personas proteger las riquezas culturales y naturales de la Nación; que la propiedad es una función social que implica obligaciones, a la cual le es inherente una función ecológica; que es deber del Estado planificar el manejo y aprovechamiento de los recursos naturales, para garantizar, entre otros fines, su conservación y restauración, así como proteger la diversidad e integridad del ambiente y de manera particular el deber de conservar las áreas de especial importancia ecológica.

Que al respecto, la Corte Constitucional mediante sentencia C-431 de 2000, dispuso que le corresponde al Estado con referencia a la protección del ambiente: *“… 1) proteger su diversidad e integridad, 2) salvaguardar las riquezas naturales de la Nación, 3) conservar las áreas de especial importancia ecológica, 4) fomentar la educación ambiental, 5) planificar el manejo y aprovechamiento de los recursos naturales para así garantizar su desarrollo sostenible, su conservación, restauración o sustitución, 6) prevenir y controlar los factores de deterioro ambiental, 7) imponer las sanciones legales y exigir la reparación de los daños causados al ambiente y 8) cooperar con otras naciones en la protección de los ecosistemas situados en las zonas de frontera”.*

Que, con este marco, el ambiente se reconoce como un interés general en el que el Estado, a través de sus diferentes entidades del orden nacional, regional y local,y los particulares deben concurrir para garantizar su conservación y restauración en el marco del desarrollo sostenible. Esta concurrencia de los entes territoriales, las autoridades ambientales y la población en general, se hace en el marco de lo dispuesto por la Ley 99 de 1993, en razón a que las normas ambientales son de orden público y no podrán ser objeto de transacción o de renuncia a su aplicación por las autoridades o por los particulares.

Que mediante la Resolución No. 9 de 1938, el Ministerio de la Economía Nacional, en uso de las facúltales legales asignadas en la Ley 200 de 1936, Decreto 59 de 1938 y el Decreto Legislativo 1157 de 1940, declaró la Reserva Forestal Protectora del Río Cali, localizada en jurisdicción del municipio de Cali, en el departamento del Valle del Cauca, describiendo en su artículo primero los linderos de la misma.

Que mediante la Resolución No. 92 del 15 de julio de 1968, expedida por el Instituto Colombiano de la Reforma Agraria –INCORA-, aprobada por medio del Decreto No. 282 de 1968, se declaró el Parque Nacional Natural Farallones de Cali.

Que el Ministerio del Medio Ambiente, mediante Resolución No. 0126 de 9 de febrero de 1998, efectuó la sustracción de 859,71 hectáreas, de la Reserva Forestal Protectora Nacional del Rio Cali, correspondientes a zonas con núcleos de vivienda dispersa y concentrada como: Corregimiento de la Leonera, Vereda El Porvenir, Corregimiento Felidia- Saladito y Corregimiento La Elvira; zonas con núcleos de vivienda concentrada como: Área de Patio Bonito y Terrón Colorado, Área Las Pilas del Cabuyal y Hacienda Saratoga.

Que a través de la Resolución No. 068 del 28 de enero de 2005, del Instituto Geográfico Agustín Codazzi, se adopta como único datum oficial de Colombia el Marco Geocéntrico Nacional de Referencia, también denominado: MAGNA-SIRGAS siendo una obligación del Ministerio de Ambiente y Desarrollo Sostenible la migración de información geográfica de las áreas de las áreas de las Reservas Forestales Nacionales al sistema MAGNA SIRGAS, para lo cual requiere la aplicación de nuevas técnicas que actualizan la representación de las áreas protegidas y que permitió dar claridad en la interpretación cartográfica, en aras de optimizar posibles procesos de aclaración y precisión de límites.

Que en el año 2005, se publicó el documento “*Reservas Forestales Nacionales de Colombia - Atlas básico*”, elaborado por Conservación Internacional Colombia, el Ministerio de Ambiente, Vivienda y Desarrollo Territorial, el Instituto Geográfico Agustín Codazzi –IGAC- y La Embajada Real de los Países Bajos, precisando en relación a los polígonos de las diferentes Reservas que : (…) *“los polígonos que definen las diferentes reservas se dibujaron siguiendo rigurosamente la delimitación descrita en el acto administrativo de creación de cada una de ellas, pero en algunos casos no fue posible efectuar este trazado con precisión, debido a deficiencias en la información toponímica contenida en las cartas geográficas, o a las inconsistencias que en algunos casos presenta la descripción de los límites, especialmente en lo que tiene que ver con la definición de rumbos y distancias. Cuando se presentaron estas circunstancias se optó por trazar el límite con una línea discontinua”.* El documento presenta la materialización cartográfica de la Reserva Forestal Protectora del Río Cali indicando con líneas punteadas el límite de la totalidad de la reserva.

Que el Ministerio de Ambiente y Desarrollo Sostenible, suscribió con el IGAC el contrato interadministrativo No. 538 de 2012, para brindar apoyo técnico en la documentación de los nombres geográficos relacionados en la Resolución No. 9 del 03 de diciembre de 1938, obteniendo insumos para realizar la precisión a la materialización cartográfica de la Reserva Forestal Protectora Nacional del Río Cali.

Que el Ministerio de Ambiente y Desarrollo Sostenible suscribió el contrato No. 529 de 2016, con el objeto de generar insumos técnicos y jurídicos para el fortalecimiento de la gestión de cinco Reservas Forestales Protectoras Nacionales priorizadas: Río Cali, Río Meléndez, La Elvira, Cerro Dapa-Carisucio y Sonso Guabas; a partir de los insumos actualizados disponibles se generó una propuesta de materialización cartográfica para la Reserva Forestal Protectora Nacional del Río Cali.

Que mediante el oficio No. 4120-E1-10864 del 9 de abril de 2013, Parques Nacionales Naturales de Colombia remitió el concepto técnico a través del cual señaló el traslape cartográfico de la Reserva Forestal Protectora Nacional del Río Cali con el Parque Nacional Natural Farallones de Cali.

Que en virtud de lo previsto por el numeral 14 del artículo 2 del Decreto 3570 de 2011 y del artículo 2.2.2.1.2.3 del Decreto 1076 de 2015, el Ministerio de Ambiente y Desarrollo Sostenible cuenta con competencia privativa para el desarrollo de la función de reservar, delimitar, alinderar y declarar las áreas de Reserva Forestal Nacionales.

Que el equipo técnico de la Dirección de Bosques, Biodiversidad y Servicios Ecosistémicos del Ministerio de Ambiente y Desarrollo Sostenible, revisó los insumos obtenidos del contrato No. 529 de 2016.

Que el equipo técnico de la Dirección de Bosques, Biodiversidad y Servicios Ecosistémicos del Ministerio de Ambiente y Desarrollo Sostenible, elaboró el concepto técnico No. 006 del 22 de mayo de 2017, en el que se exponen las consideraciones técnicas sobre la necesidad de actualizar la cartográfica, y precisar los límites de la Reserva Forestal Protectora Nacional del Río Cali.

Que por otro lado, el Decreto 1076 de 2015 en el artículo 2.2.2.1.3.5 estableció por regla general respecto a la superposición de categorías determinó que las categorías de manejo de áreas públicas no podrían superponerse.

Que el artículo ibídem en su inciso 3 estableció respecto a la entrada en vigencia de la presente norma, que “*Cuando la superposición se presente con un área del Sistema de Parques Nacionales Naturales, la categoría superpuesta se entenderá sustraída sin la necesidad de ningún trámite y solo se registrará oficialmente la categoría del área del Sistema de Parques Nacionales Naturales.”*

Que en ese sentido y en concordancia con la normativa antes citada, la parte de la Reserva Forestal Protectora Nacional del Rio Cali, declarada mediante la Resolución 9 de 03 de diciembre de 1938, que se superponerse con el Parque Nacional Natural Farallones de Cali se entiende sustraída por la declaratoria de este último, es decir, el área superpuesta de la reserva forestal con el parque nacional, le son aplicables a esta zona las disposiciones del Decreto Ley 2811 de 1974, el régimen de usos establecido en el Decreto 622 de 1974, el Decreto 1076 de 2015 y demás normas complementarias sobre la materia o aquellas que las modifiquen o sustituyan.

Que así mismo, debe comprenderse por parte del Estado y de los Administrados que la realinderación de la Reserva Forestal Protectora Nacional del Rio Cali se surte por expresa disposición legal contenida en el artículo 2.2.2.1.3.5 inciso 3 del Decreto 1076 de 2015, el cual redefine el límite y el polígono cartográfico de la Reserva Forestal Protectora Nacional del Rio Cali, declarada mediante la Resolución 9 de 03 de diciembre de 1938, por el límite del Parque Nacional Natural Farallones de Cali Resolución No. 92 del 15 de julio de 1968, expedida por el Instituto Colombiano de la Reforma Agraria –INCORA-, aprobada por medio del Decreto No. 282 de 1968.

Que en consideración a lo expuesto y con fundamento en el análisis de la información suministrada por el equipo técnico de la Dirección de Bosques, Biodiversidad y Servicios Ecosistémicos del Ministerio de Ambiente y Desarrollo Sostenible, para la óptima gestión de administración de la Reserva Forestal Protectora Nacional del Río Cali se recomienda ajustar y actualizar el polígono RFPN del Río Cali.

Que en consideración a lo expuesto,

**RESUELVE:**

**ARTÍCULO PRIMERO:** Precisar cartográficamente los límites contenidos en el artículo primero de la Resolución No. 9 de 03 de diciembre de 1938, expedida por el entonces llamado Ministerio de la Economía Nacional, los cuales quedarán así:

| **VÉRTICES** | **COORDENADA X** | **COORDENADA Y** | **DESCRIPCIÓN** |
| --- | --- | --- | --- |
| Vértice No. 1 | 1052478,28933 | 870023,23700 | Desde el punto con coordenadas planas Magna-Sirgas, origen Oeste X: 1052478,28933 y Y: 870023,237; |
| Vértice No. 2 | 1045065,83188 | 874676,89796 | Siguiendo en dirección Noroeste por el límite del Parque Nacional Natural Farallones de Cali, hasta encontrar el punto con coordenadas X: 1045065,83188 y Y: 874676,89796 en el filo de la Cordillera Occidental de los Andes; |
| Vértice No. 3 | 1050762,69562 | 880785,11237 | De este punto, siguiendo en dirección Norte por el filo de esta Cordillera, hasta el sitio donde corta la carretera de Cali al mar, punto con coordenadas X: 1050762,69562 y Y: 880785,11237; |
| Vértice No. 4 | 1055442,73812 | 873781,87603 | De aquí, se sigue por la carretera de Cali al mar, hasta el punto denominado “La Legua” con coordenadas X: 1055442,73812 y Y: 873781,87603; |
| Vértice No. 5 | 1056737,35207 | 873585,46081 | De este punto, se sigue por el antiguo camino de herradura de Cali a Dagua, en una longitud de uno punto tres kilómetros aproximadamente (1,3 km) hasta el punto con coordenadas X: 1056737,35207 y Y: 873585,46081; |
| Vértice No. 6 | 1056745,23117 | 873201,947205 | De aquí, una línea recta a la toma del canal, para el acueducto de Cali, punto con coordenadas X: 1056745,23117 y Y: 873201,947205; |
| Vértice No. 7 | 1056821,63862 | 871263,32095 | De este punto, una recta al cerro denominado “Cristo Rey” punto con coordenadas X: 1056821,63862 y Y: 871263,32095; |
| Vértice No. 8 | 1053411,75610 | 870130,08430 | De este sitio, por el filo de la Cordillera que divide las aguas de los ríos Cali y Meléndez, hasta el encontrar el punto con coordenadas X: 1053411,7561 y Y: 870130,0843; |
| Vértice No. 9 | 1052674,70520 | 870230,70460 | De este punto, en línea recta, hasta el encontrar el punto con coordenadas X: 1052674,7052 y Y: 870230,7046; |
| Vértice No. 1 | 1052478,28933 | 870023,23700 | De aquí, se sigue en dirección Sur por la línea que divide las aguas del Rio Pichindé con las del Rio Cañaveralejo, hasta encontrar el punto con coordenadas X: 1052478,2893 y Y: 870023,237 tomado como punto de partida. |

**PARÁGRAFO 1°.-** La cartografía oficial de la presente resolución, se adopta en formato shapefile con la respectiva cartera de coordenadas, los cuales se encontrarán disponible para consulta en la página web del Ministerio de Ambiente y Desarrollo Sostenible. La materialización cartográfica se encuentra en el anexo No. 1 del presente acto administrativo.

**PARÁGRAFO 2°.-** Las coordenadas geográficas se encuentran en el sistema de referencia Magna – Sirgas y para el cálculo del área se usó el Sistema de Referencia Magna – Sirgas Proyección Plana de Gauss Krüger Origen Oeste, que se encuentran en el anexo No. 2 del presente acto administrativo.

**PARÁGRAFO 3°.-** El polígono precisado de la Reserva Forestal Protectora del Río Cali tiene un área aproximada de 4867 hectáreas.

**ARTICULO SEGUNDO**: El concepto Técnico No. 006 del 22 de mayo de 2017, expedido por la Dirección de Bosques, Biodiversidad y Servicios Ecosistémicos, hace parte integral de la presente Resolución.

**ARTÍCULO TERCERO.-** La presente precisión no modifica el régimen de usos del área protegida contenido en la Sección 2- Categorías de Áreas Protegidas, del Capítulo I- Áreas de Manejo Especial, del Título 2- Gestión Ambiental del Decreto 1076 de 2015.

**ARTICULO CUARTO:** La presente resolución deberá fijarse en el despacho de la alcaldía municipal de Santiago de Cali en la forma prevista por el Artículo 55 del Régimen Político y Municipal, e inscribirse en las Oficinas de Registro de Instrumentos Públicos correspondientes, para que surta sus efectos legales de conformidad con los dispuesto en la Ley 1579 de 2012.

**ARTÍCULO QUINTO.** Comunicar la presente resolución a la Gobernación del Valle del Cauca, al municipio de Santiago de Cali, a la Corporación Autónoma Regional del Valle del Cauca – CVC, al Instituto Geográfico Agustín Codazzi, a Parques Nacionales Naturales de Colombia, a la Agencia Nacional de Hidrocarburos, a la Agencia Nacional de Minería, a la Agencia Nacional de Infraestructura, a la Procuraduría Delegada para Asuntos Ambientales y Agrarios del Valle del Cauca, a la Agencia Nacional de Tierras, a la Unidad de Restitución de Tierras y a la Unidad de Planificación Rural Agropecuaria – UPRA.

**ARTÍCULO SEXTO**. La presente resolución rige a partir de la fecha de su publicación en la página web del Ministerio de Ambiente y Desarrollo Sostenible.

**PUBLÍQUESE, COMUNÍQUESE Y CÚMPLASE**

Dada en Bogotá, D.C. a los

**LUIS GILBERTO MURILLO URRUTIA**

Ministro de Ambiente y Desarrollo Sostenible

Elaboró: Caryni Negrete Rentería – Abogada Oficina Asesora Jurídica.

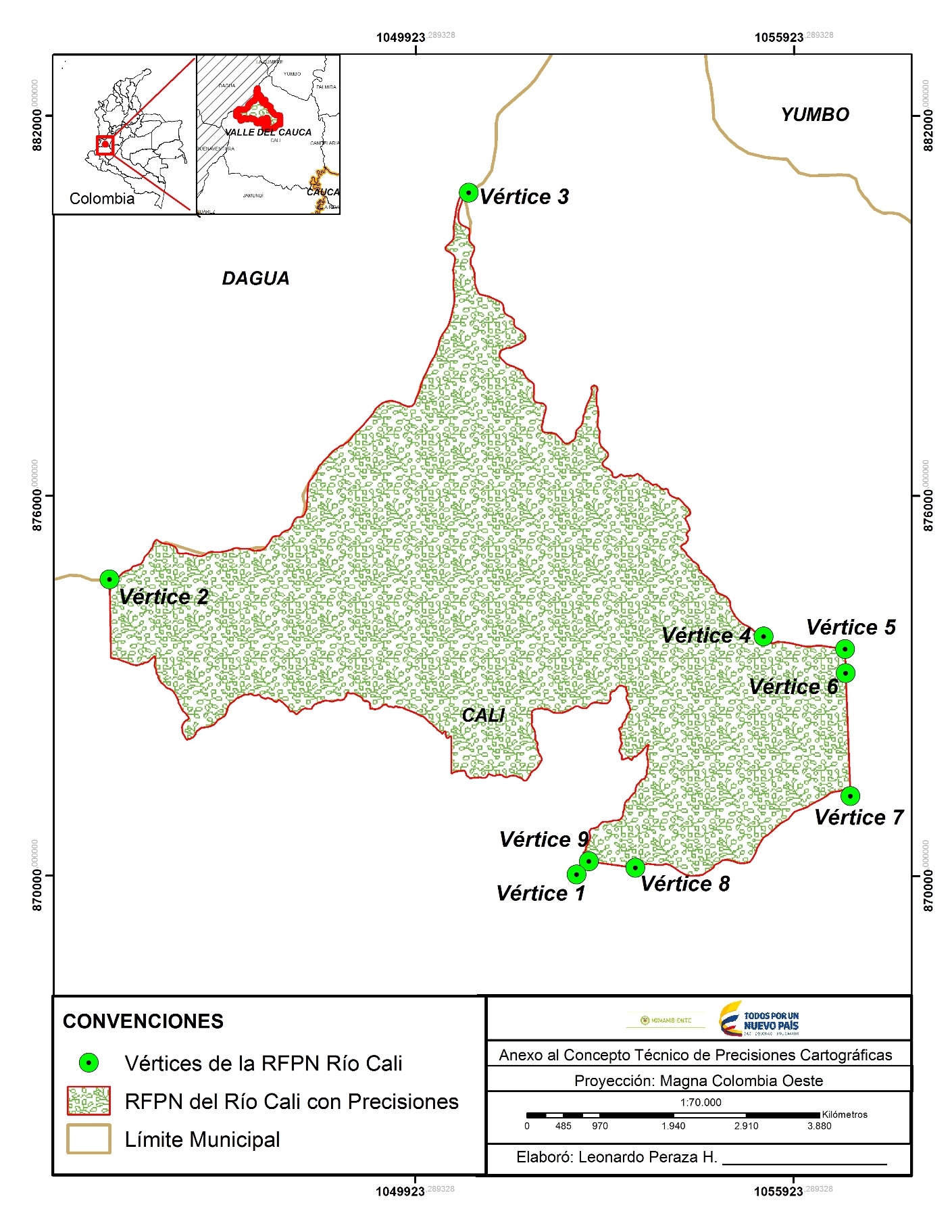
Revisó: Cristian Carabaly- Coordinador Grupo Conceptos y Biodiversidad

Revisó: Jaime Asprilla Manyoma – Jefe Oficina Asesora Jurídica – Ministerio de Ambiente y Desarrollo Sostenible

Aprobó: Cesar Augusto Rey Ángel – Director de Bosques, Biodiversidad y Servicios Ecosistémicos

Aprobó: Carlos Alberto Botero López. Viceministro de Ambiente y Desarrollo Sostenible

**ANEXO No. 1**

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**ANEXO No. 2**

| **ID** | **X** | **Y** |
| --- | --- | --- |
| 1 | 1050746.5885 | 880769.1478 |
| 2 | 1050715.4075 | 880737.3243 |
| 3 | 1050700.5114 | 880723.3086 |
| 4 | 1050697.6336 | 880720.6008 |
| 5 | 1050678.2559 | 880702.3683 |
| 6 | 1050662.3431 | 880672.3142 |
| 7 | 1050650.8650 | 880638.9547 |
| 8 | 1050610.1939 | 880534.3679 |
| 9 | 1050600.9968 | 880464.6625 |
| 10 | 1050596.6050 | 880385.4004 |
| 11 | 1050607.4386 | 880325.1620 |
| 12 | 1050625.9843 | 880297.3464 |
| 13 | 1050664.4777 | 880266.6146 |
| 14 | 1050730.6023 | 880235.4082 |
| 15 | 1050770.3113 | 880216.7728 |
| 16 | 1050773.9876 | 880194.6817 |
| 17 | 1050777.6935 | 880168.4461 |
| 18 | 1050772.8428 | 880134.4503 |
| 19 | 1050768.3894 | 880079.8232 |
| 20 | 1050771.3162 | 880031.1384 |
| 21 | 1050782.2259 | 880002.6561 |
| 22 | 1050795.1133 | 879999.9999 |
| 23 | 1050800.0100 | 879991.4772 |
| 24 | 1050803.5092 | 879985.3864 |
| 25 | 1050831.2902 | 879960.2508 |
| 26 | 1050852.0014 | 879928.1479 |
| 27 | 1050851.8440 | 879890.6794 |
| 28 | 1050840.1159 | 879852.7885 |
| 29 | 1050830.1921 | 879834.7453 |
| 30 | 1050815.7574 | 879795.9522 |
| 31 | 1050802.2250 | 879767.9851 |
| 32 | 1050796.8120 | 879749.9420 |
| 33 | 1050792.3012 | 879699.4209 |
| 34 | 1050796.8120 | 879647.9976 |
| 35 | 1050811.8082 | 879623.1102 |
| 36 | 1050831.9207 | 879589.7324 |
| 37 | 1050852.7462 | 879523.4989 |
| 38 | 1050858.1591 | 879435.0870 |
| 39 | 1050863.5721 | 879347.5771 |
| 40 | 1050884.4415 | 879276.1083 |
| 41 | 1050887.0036 | 879267.3341 |
| 42 | 1050913.0685 | 879208.1599 |
| 43 | 1050917.7706 | 879203.3435 |
| 44 | 1050940.6593 | 879179.8987 |
| 45 | 1050949.5949 | 879177.9354 |
| 46 | 1050959.1330 | 879175.8399 |
| 47 | 1051015.1354 | 879163.5359 |
| 48 | 1051092.7214 | 879147.2969 |
| 49 | 1051138.4056 | 879121.0808 |
| 50 | 1051153.0547 | 879114.5575 |
| 51 | 1051257.8174 | 879067.9065 |
| 52 | 1051286.7995 | 879047.7208 |
| 53 | 1051311.1577 | 879009.8298 |
| 54 | 1051312.0305 | 878997.6117 |
| 55 | 1051313.8642 | 878971.9390 |
| 56 | 1051319.2772 | 878924.5754 |
| 57 | 1051331.4565 | 878886.6846 |
| 58 | 1051349.8804 | 878873.1737 |
| 59 | 1051382.2031 | 878849.4703 |
| 60 | 1051447.1589 | 878820.3756 |
| 61 | 1051466.7810 | 878802.1068 |
| 62 | 1051477.9693 | 878784.9952 |
| 63 | 1051481.8731 | 878771.6735 |
| 64 | 1051483.1227 | 878767.4091 |
| 65 | 1051485.0497 | 878760.8328 |
| 66 | 1051484.3731 | 878732.4147 |
| 67 | 1051484.3731 | 878726.4385 |
| 68 | 1051484.3730 | 878701.2900 |
| 69 | 1051508.0549 | 878665.4291 |
| 70 | 1051529.8564 | 878652.6046 |
| 71 | 1051554.0652 | 878638.3642 |
| 72 | 1051602.7819 | 878606.5629 |
| 73 | 1051634.5833 | 878577.4682 |
| 74 | 1051651.4989 | 878553.7863 |
| 75 | 1051653.1512 | 878549.0653 |
| 76 | 1051660.9716 | 878526.7214 |
| 77 | 1051661.5662 | 878510.9654 |
| 78 | 1051662.3248 | 878490.8604 |
| 79 | 1051654.8819 | 878467.1788 |
| 80 | 1051631.8768 | 878442.8203 |
| 81 | 1051604.1353 | 878422.5216 |
| 82 | 1051562.8614 | 878398.8398 |
| 83 | 1051487.0795 | 878367.7153 |
| 84 | 1051436.3329 | 878341.3270 |
| 85 | 1051362.5811 | 878334.5608 |
| 86 | 1051305.0682 | 878310.2023 |
| 87 | 1051267.8539 | 878286.5206 |
| 88 | 1051259.7345 | 878258.1025 |
| 89 | 1051248.9085 | 878231.7142 |
| 90 | 1051252.2916 | 878201.2662 |
| 91 | 1051268.1991 | 878182.8470 |
| 92 | 1051290.8591 | 878156.6090 |
| 93 | 1051314.7225 | 878134.2643 |
| 94 | 1051365.2876 | 878086.9169 |
| 95 | 1051441.0693 | 878051.0560 |
| 96 | 1051454.5188 | 878047.6760 |
| 97 | 1051479.2565 | 878041.4592 |
| 98 | 1051532.9668 | 878015.5136 |
| 99 | 1051603.9611 | 877981.2188 |
| 100 | 1051616.4323 | 877975.1943 |
| 101 | 1051617.6677 | 877974.5977 |
| 102 | 1051647.4390 | 877913.0250 |
| 103 | 1051673.8274 | 877869.7212 |
| 104 | 1051725.9272 | 877826.4174 |
| 105 | 1051767.9085 | 877795.2496 |
| 106 | 1051770.5844 | 877793.2628 |
| 107 | 1051790.8831 | 877767.5512 |
| 108 | 1051793.1862 | 877761.4093 |
| 109 | 1051794.9265 | 877756.7686 |
| 110 | 1051799.0025 | 877745.8993 |
| 111 | 1051801.7090 | 877703.9487 |
| 112 | 1051798.3259 | 877635.6099 |
| 113 | 1051793.5895 | 877589.5995 |
| 114 | 1051790.2064 | 877551.0320 |
| 115 | 1051794.2812 | 877529.9178 |
| 116 | 1051797.6493 | 877512.4646 |
| 117 | 1051816.5946 | 877490.1360 |
| 118 | 1051835.5401 | 877477.2802 |
| 119 | 1051849.8278 | 877474.5443 |
| 120 | 1051887.2172 | 877467.3846 |
| 121 | 1051931.8742 | 877463.8324 |
| 122 | 1051958.2625 | 877447.5935 |
| 123 | 1051983.1283 | 877420.6977 |
| 124 | 1051990.2328 | 877394.8169 |
| 125 | 1051988.5115 | 877384.2535 |
| 126 | 1051988.4984 | 877384.1735 |
| 127 | 1051986.2001 | 877370.0711 |
| 128 | 1051947.7045 | 877212.8084 |
| 129 | 1051930.8593 | 877129.4117 |
| 130 | 1051929.9840 | 877126.1297 |
| 131 | 1051920.7099 | 877091.3518 |
| 132 | 1051923.2473 | 877065.4710 |
| 133 | 1051938.4713 | 877026.3961 |
| 134 | 1051950.6505 | 877012.1870 |
| 135 | 1051971.9640 | 877001.5302 |
| 136 | 1051976.6112 | 877000.9940 |
| 137 | 1052011.5465 | 876996.9629 |
| 138 | 1052058.7409 | 876995.4405 |
| 139 | 1052091.7261 | 876994.4255 |
| 140 | 1052143.4878 | 876979.7091 |
| 141 | 1052168.3538 | 876959.9178 |
| 142 | 1052182.5538 | 876943.7372 |
| 143 | 1052200.8804 | 876927.5846 |
| 144 | 1052227.3459 | 876899.2721 |
| 145 | 1052254.7603 | 876865.0941 |
| 146 | 1052257.6680 | 876861.4693 |
| 147 | 1052277.9665 | 876836.6034 |
| 148 | 1052317.0415 | 876824.4242 |
| 149 | 1052341.0843 | 876829.7671 |
| 150 | 1052349.0118 | 876831.5287 |
| 151 | 1052372.6779 | 876847.4355 |
| 152 | 1052379.9674 | 876852.3349 |
| 153 | 1052398.7436 | 876864.5141 |
| 154 | 1052429.1916 | 876885.3203 |
| 155 | 1052453.5501 | 876915.7682 |
| 156 | 1052463.1918 | 876959.4104 |
| 157 | 1052467.7591 | 876994.4255 |
| 158 | 1052467.6689 | 876998.1225 |
| 159 | 1052467.2517 | 877015.2318 |
| 160 | 1052472.3262 | 877035.5305 |
| 161 | 1052477.7805 | 877040.8431 |
| 162 | 1052511.4012 | 877073.5904 |
| 163 | 1052543.8791 | 877109.6205 |
| 164 | 1052560.1180 | 877134.4864 |
| 165 | 1052561.4163 | 877134.6582 |
| 166 | 1052566.7151 | 877164.4270 |
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