	SISTEMA INTEGRADO DE GESTION	mipg	Modelo integrado de planeación y gestión
		Versión: 01	Código: SGG-CON-F-01
ALCALDIA MUNICIPAL DE GARAGOA - BOYACA NIT 800.025.608-8	CERTIFICACION DOCUMENTAL PARA TRAMITE DE CUENTA	Página: 1 de 2	Fecha de Aprobación: 24/04/2023

Fecha de Radicación: _____

333/

INFORMACIÓN DEL CONTRATO			
No del contrato	CONTRATO DE PRESTACION DE SERVICIOS No. AMG-MC-049-2025		
Objeto	REALIZAR LEVANTAMIENTO TOPOGRAFICO EN DIFERENTES TRAMOS VIALES EN EL MUNICIPIO DE GARAGOA BOYACA		
C.D.P.	DIS-2025000333	No. Póliza	39-44-101175867
Registro Presupuestal	RES-2025000805	Fecha de aprobación póliza	22/09/2025
Código Proyecto	2424152990006	Fecha acta de Inicio	22 DE SEPTIEMBRE DE 2025
Plazo de ejecución	cuarenta y cinco (45) días	No. Acta de pago	PAGO UNICO
Periodo de pago	22 DE SEPTIEMBRE DE 2025 AL 05 DE NOVIEMBRE DE 2025	Fecha acta de suspensión	N/A
Adicional	N/A	Fecha acta de reinicio	N/A

INFORMACIÓN CONTRATISTA			
Contratista:	RAFAEL EDUARDO MORENO ROJAS	CC. ó Nit.	C.C. 7.173.489 de Tunja.
Tel ó Cel:	3112026278	Correo electrónico	remr25@yahoo.com
N° Cuenta Bancaria	CUENTA DE AHORROS No. 336194345 BANCO DE BOGOTA		

VERIFICACION INFORMACIÓN PARA PAGO EXPEDIENTE CONTRATUAL					
Acta de pago	UNICO	Certificación Bancaria	SI	Aportes Parafiscales	N/A
Forma de pago	Anticipo	Registro Único Tributario	SI	Informe de contratista	SI
	Anticipado				
	Parcial				
	Único X				
No. De Planilla S.S.	90505007 91092653 91466433 9492246160 9493529140 9494953068	No. De Factura	FE52	Informe Supervisor /Interventoria	SI
IBC	$5.787.500 $5.787.500 $5.787.500 $5.224.400 $5.224.400 $5.224.400 VALOR TOTAL IBC $33.035.700	Copia Sábanas	N.A.		

FIRMA SUPERVISOR FECHA	REVISO FECHA	SECRETARIA DE CONTRATACION FECHA

VERIFICACION INFORMACIÓN PARA PAGO SECRETARIA DE HACIENDA Y FINANZAS PÚBLICAS			
N° Acta de pago	UNICO	Certificación Bancaria	SI
Forma de pago	Anticipo	Registro Único Tributario	SI
	Anticipado		
	Parcial		
	Único X		
No. De Planilla S.S.	90505007 91092653 91466433 9492246160 9493529140 9494953068	No. de Factura /Documento equivalente	FE52

IBC	$5.787.500 $5.787.500 $5.787.500 $5.224.400 $5.224.400 $5.224.400 VALOR TOTAL IBC $33.035.700	Aportes Parafiscales	N/A

REVISO FECHA	SECRETARÍA DE HACIENDA Y FINANZAS PÚBLICAS FECHA

ANEXOS

Primer pago	Pagos parciales	Anticipos
1. Certificación documental para tramite de cuenta 2. Registro Presupuestal 3. Planilla seguridad social 4. Factura/Documento equivalente 5. Certificación de Cumplimiento 6. Acta de Pago **Anexos** 1. Contrato 2. Resolución Aprobación Póliza 3. Acta de Inicio 4. Rut 5. Certificación Bancaria **Anexos contratos de Obra**: 1. Sábanas. **Anexos Contratos de compra o suministro** 1. Contrato Almacén 2. Entrada Almacén 3. Salida Almacén	1. Certificación documental para tramite de cuenta 2. Registro Presupuestal 3. Planilla de seguridad social 4. Factura/Documento equivalente 5. Acta de Pago 6. Certificación de Cumplimiento 7. Acta de Pago **Anexos contratos de Obra**: 1. Sábanas. **Anexos Contratos de compra o suministro** 4. Contrato Almacén 5. Entrada Almacén 6. Salida Almacén	1) Certificación documental para tramite de cuenta 2) Disponibilidad Presupuestal 3) Registro presupuestal 4) Plan de inversión 5) Documento equivalente 6) Acta de Pago **Anexos** 7. Contrato 8. Resolución Aprobación Póliza 9. Acta de Inicio 10. Rut 11. Certificación Bancaria

DEVOLUCIÒN CUENTA

	Motivo	Observación (¿Cuáles?)
	Falta Documentación	-
	Inconsistencias en la documentación entregada	-
	Otro	-

SUBSANÒ	SI		SECRETARIA DE CONTRATACION
	NO		

GEORREFERENCIACION Y LEVANTAMIENTO TOPOGRAFICO

(Planimetría - Altimetría)

DEPARTAMENTO DE BOYACA
MUNICIPIO DE GARAGOA
VEREDA CUCHARERO

ELABORO:
WILMER E. ALFONSO H.

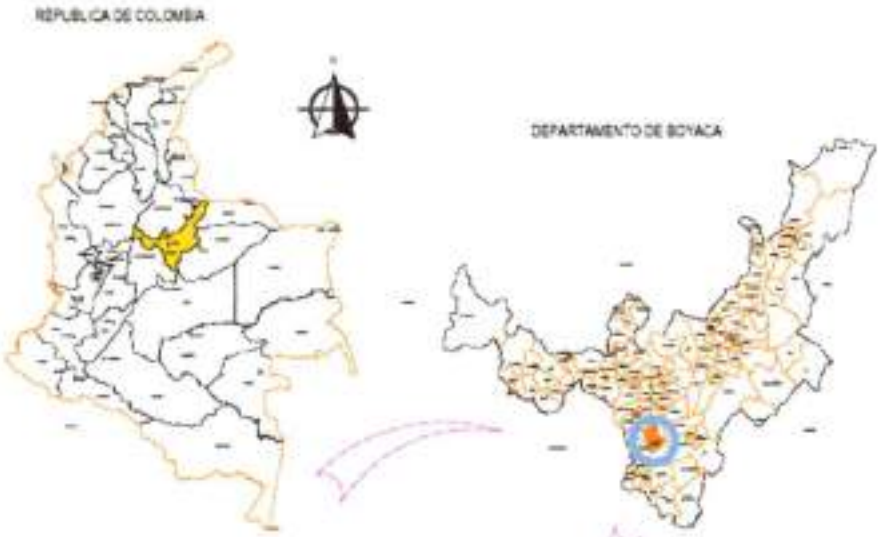
TOPOGRAFIA TRAMO VEREDA CUCHARERO SECTOR DIVINO NIÑO A DESEMBOCADURA QUEBRADA RIBATOQUE

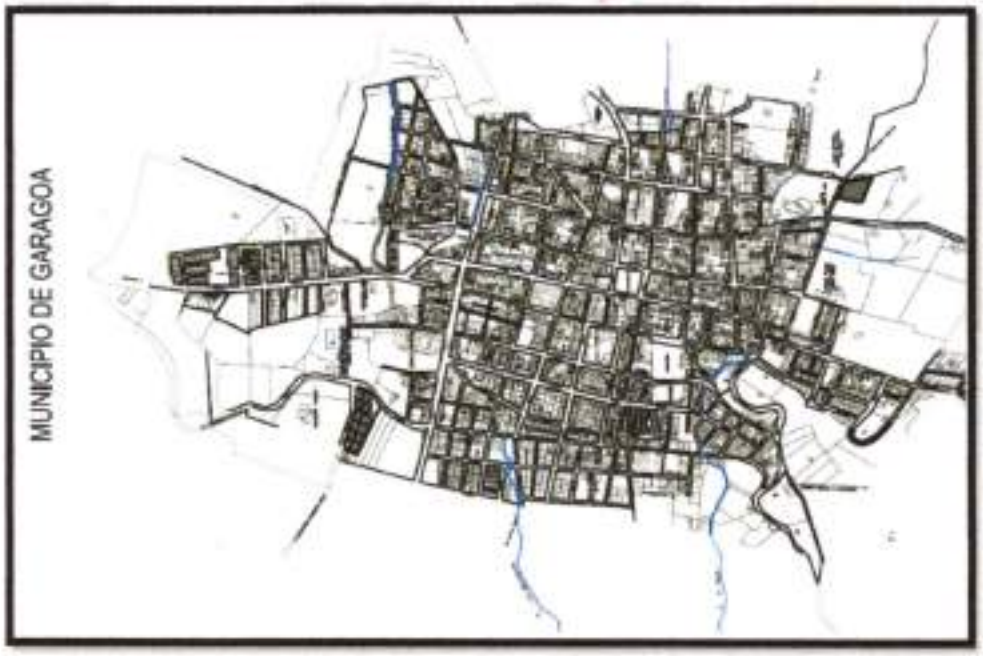
NOVIEMBRE DE 2025

WILMER E. ALFONSO HERRERA
INGENIERO TOPOGRAFICO
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1. LOCALIZACION





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GEORREFERENCIACION Y LEVANTAMIENTO TOPOGRAFICO
CONTRATO AMG-MC-049-2025: "REALIZAR LEVANTAMIENTO TOPOGRAFICO EN DIFERENTES TRAMOS VIALES EN EL MUNICIPIO DE GARAGOA BOYACA". **TRAMO VEREDA CUCHARERO, SECTOR DIVINO NIÑO A DESEMBOCADURA QUEBRADA RIBATOQUE**



Como se aprecia en la anterior imagen el tramo de vía levantado corresponde a la línea en color rojo
Fuente Google earth.

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2. GEORREFERENCIACIÓN

La georreferenciación es la asignación de coordenadas reales ajustadas a un punto o par de puntos para tomarlos de base para un levantamiento topográfico.

Esta se puede hacer por varios métodos:

El primero consiste en ubicar un par de equipos en los puntos que se van a georreferenciar y posicionarlos simultáneamente junto con alguna de las estaciones de rastreo permanentes pertenecientes a la red activa IGAC, para luego realizar el postproceso de los puntos.

El primero consiste en ubicar un par de equipos en los puntos que se van a georreferenciar y posicionarlos simultáneamente junto con alguna de las estaciones de rastreo permanentes pertenecientes a la red pasiva IGAC, para luego realizar el postproceso de los puntos.

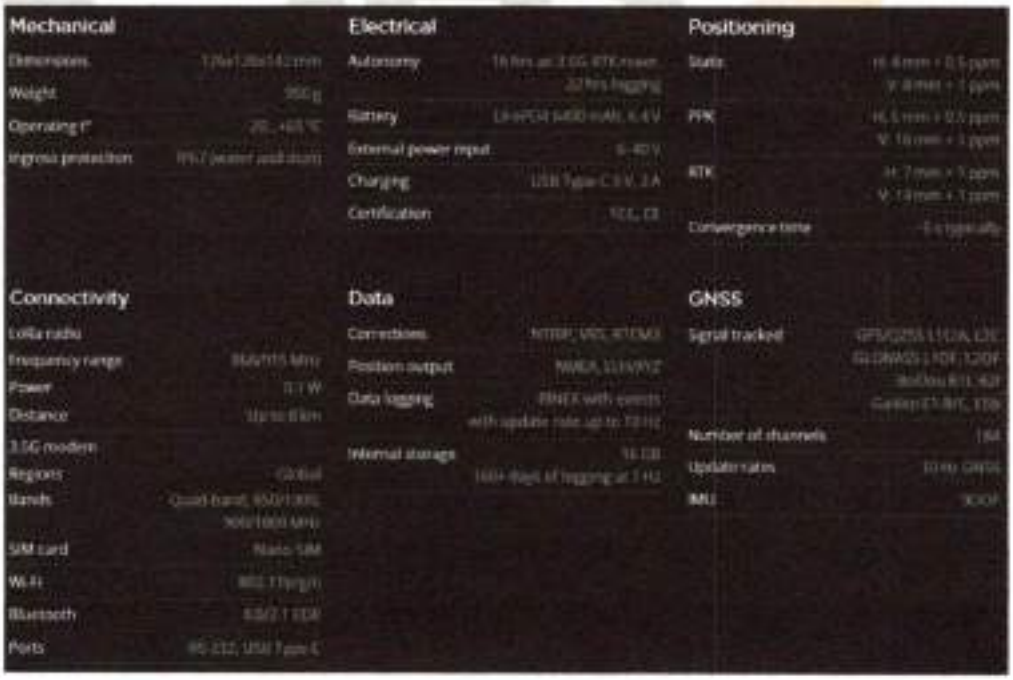
La georreferenciación se realizó montando un equipo GNSS en un punto de la red pasiva de la red MAGNA SIRGAS, Denominado 15299001, ubicado en el alto de santa Barbara. Desde este punto el equipo GNSS, denominado base transmitió correcciones al equipo GNSS Rover, trabajando asi con coordenadas reales.





3. EQUIPO UTILIZADO

Los equipos GNSS empleados para la Georreferenciación y levantamiento topográfico GNSS – RTK, fueron 2 receptores marca **EMLID REACH 2**



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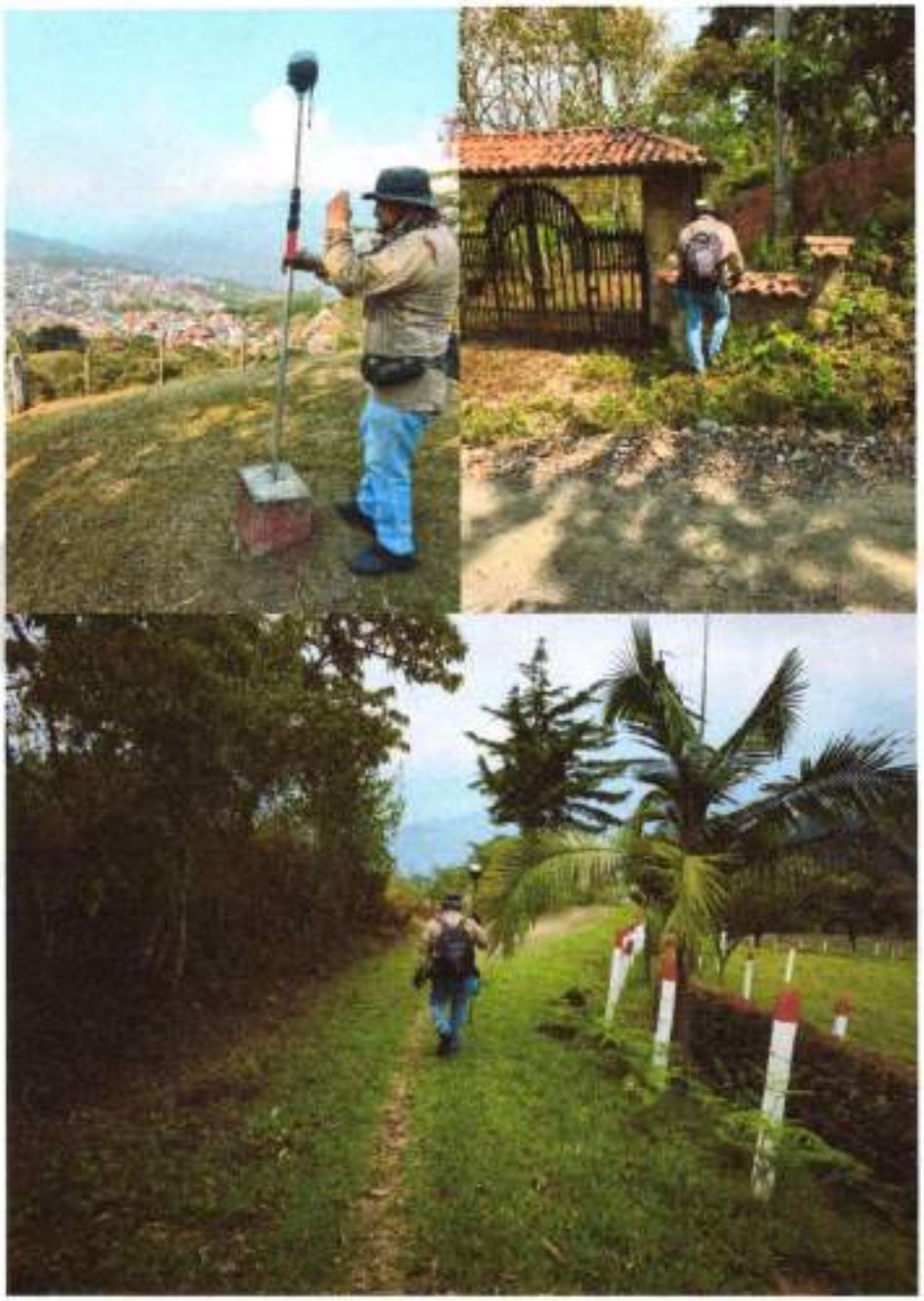
EQUIPOS GNSS EMLID REACH 2

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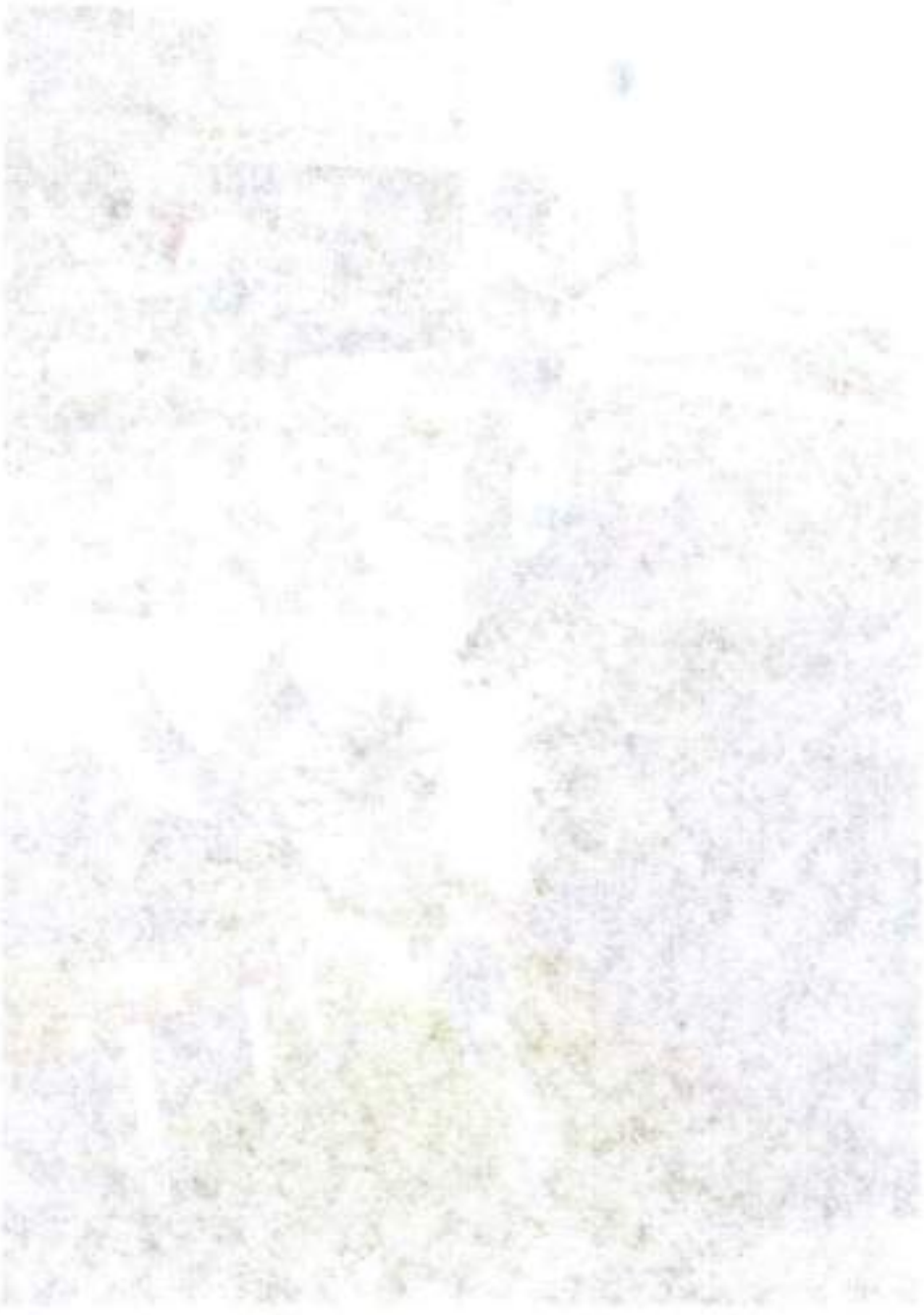


4. LEVANTAMIENTO TOPOGRAFICO RTK.



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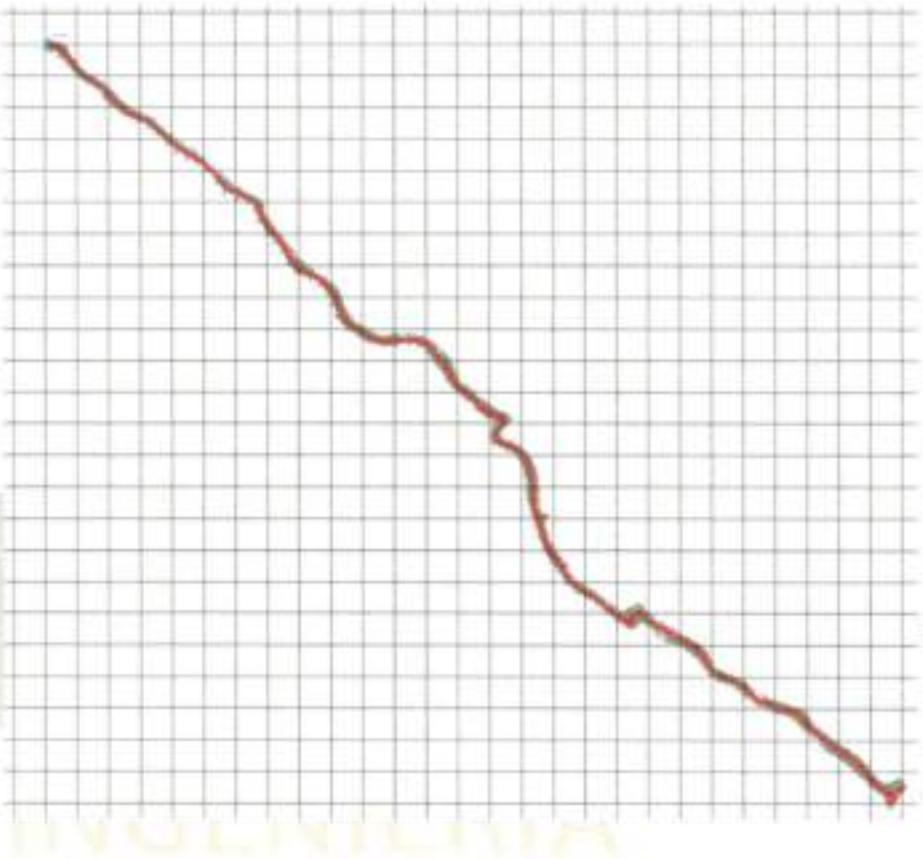
Toma de puntos Quebrada Ribatoque (BOX)

Se realizó levantamiento topográfico por método GNSS RTK, se montó un equipo GNSS BASE, en el punto denominado 15299001 (IGAC), el cual se encuentra transmitiendo datos al equipo Móvil ROVER en tiempo real, y con coordenadas reales.
Teniendo el equipo GNSS Rover, recibiendo correcciones del equipo GNSS denominado base, y teniendo en cuenta de tomar puntos únicamente con solución fija (FIX). Se realiza el levantamiento topográfico de la vía, tomando todos los puntos relevantes (vía, puntos de nivel, arboles, cercas construcciones aledañas a la vía, puentes, box, postes, y demás elementos encontrados.

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5. RESULTADOS OBTENIDOS



En la imagen se aprecia el resultado del levantamiento topográfico, el cual dio como resultado una longitud de 1905 m.

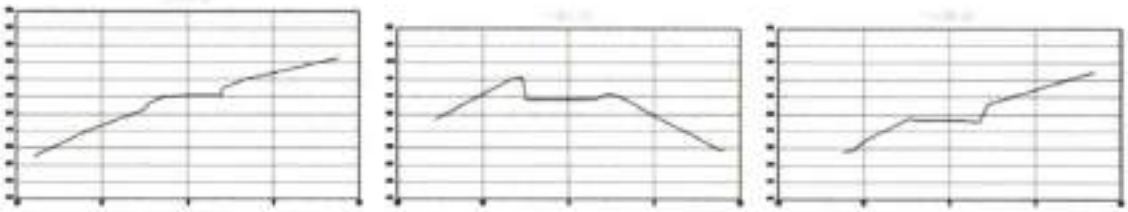


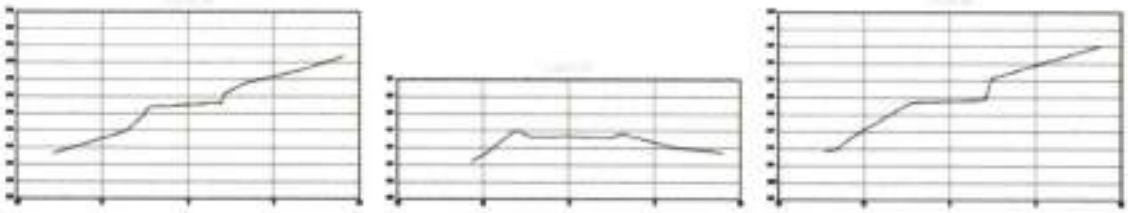
En la imagen se aprecia el perfil longitudinal obtenido del levantamiento topográfico, el cual presenta un desnivel total de 210 m.

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6. CONCLUSIONES

- La via levantada tiene una pendiente alta en la mayoría del tramo medido.
- Se trabajo con coordenadas reales, posicionando el equipo base en un mojón IGAC 152990001.
- En el final del tramo se encuentra un pontón en mal estado. En este momento no hay paso vehicular.
- En general la señal de radio y de los satélites GNSS, fue estable y estuvo dentro de los márgenes de precisión para este tipo de levantamientos topográficos.

Cordialmente;

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7. COORDENADAS PLANAS DE GAUSS

LEVANTAMIENTO TOPOGRAFICO TRAMO VEREDA CUCHARERO SECTOR DIVINO NIÑO A DESEMBOCADURA QUEBRADA RIBATOQUE.

PUNTO	NORTE	ESTE	ELEVACION	CODIGO
1	1052825,746	1079050,120	1790,258	15299001
2	1052380,128	1078391,877	1589,140	PN
3	1051578,739	1079303,404	1718,196	via
4	1051577,829	1079304,859	1717,587	cun
5	1051576,991	1079305,858	1718,925	cer
6	1051580,319	1079301,818	1718,086	via
7	1051581,556	1079300,363	1718,073	via
8	1051582,309	1079299,494	1718,192	pn
9	1051582,656	1079299,018	1718,411	pn
10	1051583,004	1079298,573	1717,958	cer
11	1051585,643	1079295,505	1720,208	via
12	1051584,504	1079288,019	1720,490	via
13	1051583,458	1079289,793	1720,557	via
14	1051582,579	1079291,186	1720,433	via
15	1051581,875	1079292,092	1720,187	cun
16	1051581,198	1079293,170	1720,077	cer
17	1051555,816	1079282,069	1721,898	cer
18	1051555,420	1079283,050	1721,423	cun
19	1051554,542	1079285,120	1721,557	via
20	1051553,989	1079286,246	1721,621	via
21	1051553,238	1079287,669	1721,323	cun
22	1051552,530	1079288,546	1722,135	cer
23	1051542,974	1079282,362	1722,795	cer
24	1051543,654	1079281,780	1722,412	cun
25	1051544,348	1079280,564	1722,708	via
26	1051545,321	1079278,961	1722,601	via
27	1051546,304	1079277,335	1722,551	via
28	1051546,715	1079276,688	1722,543	pn
29	1051547,269	1079276,116	1722,853	cer
30	1051573,526	1079296,459	1719,288	via
31	1051572,134	1079297,999	1719,211	via
32	1051571,653	1079298,785	1718,562	pn
33	1051570,685	1079299,811	1719,271	cer
34	1051574,934	1079294,691	1719,299	via
35	1051575,929	1079294,008	1719,598	cer
36	1051572,129	1079286,332	1719,283	cer
37	1051570,951	1079286,140	1719,638	pn
38	1051570,471	1079286,027	1719,375	pn
39	1051569,542	1079285,861	1719,515	pn

40	1051586,178	1079284,280	1719,606	via
41	1051583,343	1079282,634	1719,701	via
42	1051582,093	1079281,852	1719,770	pn
43	1051581,705	1079281,800	1719,354	pn
44	1051580,930	1079281,171	1719,977	pn
45	1051559,901	1079282,286	1720,803	pn
46	1051560,028	1079283,334	1720,181	pn
47	1051560,303	1079283,676	1720,451	pn
48	1051561,214	1079284,460	1720,576	via
49	1051563,082	1079278,082	1719,161	cer
50	1051563,376	1079278,783	1718,281	pn
51	1051563,679	1079279,001	1718,228	pn
52	1051564,182	1079279,226	1718,769	pn
53	1051565,440	1079279,562	1718,676	via
54	1051567,874	1079280,302	1718,474	via
55	1051569,381	1079280,638	1718,393	via
56	1051570,317	1079280,824	1718,242	pn
57	1051571,162	1079281,077	1718,467	cer
58	1051570,322	1079278,088	1717,740	cer
59	1051571,346	1079276,660	1717,411	pn
60	1051569,146	1079275,156	1717,108	via
61	1051568,032	1079274,189	1717,004	via
62	1051567,508	1079273,750	1716,579	pn
63	1051567,096	1079273,316	1717,322	cer
64	1051569,587	1079269,710	1716,853	cer
65	1051569,946	1079270,153	1715,436	pn
66	1051570,595	1079270,576	1716,017	via
67	1051571,752	1079271,167	1716,119	via
68	1051573,247	1079272,293	1715,877	via
69	1051573,989	1079272,588	1716,799	cer
70	1051580,411	1079263,595	1713,600	cer
71	1051580,254	1079263,123	1713,096	pn
72	1051579,948	1079262,825	1713,206	via
73	1051578,688	1079261,845	1713,277	via
74	1051577,844	1079261,114	1713,163	via
75	1051577,476	1079260,524	1712,885	pn
76	1051576,925	1079260,103	1713,623	cer
77	1051582,992	1079252,557	1711,600	cer
78	1051583,440	1079252,867	1711,038	pn
79	1051583,969	1079253,440	1711,544	via
80	1051585,098	1079254,201	1711,517	via
81	1051586,244	1079255,252	1711,274	via
82	1051586,547	1079255,733	1711,876	cer
83	1051590,467	1079251,013	1711,004	arb
84	1051590,250	1079250,727	1710,405	via
85	1051589,439	1079249,520	1710,643	via
86	1051588,532	1079248,364	1710,561	via
87	1051588,053	1079247,994	1710,344	pn
88	1051587,645	1079247,340	1711,112	cer
89	1051594,858	1079243,152	1710,149	arb
90	1051595,903	1079244,857	1709,380	via
91	1051596,600	1079246,087	1709,275	via

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92	1051596,816	1079246,154	1709,826	cer
93	1051596,216	1079243,650	1709,394	via
94	1051595,055	1079243,389	1709,255	pn
95	1051594,955	1079243,211	1710,216	cer
96	1051602,263	1079237,696	1708,708	cer
97	1051602,399	1079237,944	1707,675	pn
98	1051602,749	1079238,352	1708,039	via
99	1051603,706	1079239,299	1708,059	via
100	1051604,631	1079240,318	1707,962	via
101	1051604,897	1079240,647	1707,844	pn
102	1051605,375	1079241,157	1708,255	cer
103	1051612,191	1079233,619	1707,241	cer
104	1051611,864	1079233,537	1706,743	pn
105	1051611,665	1079233,229	1706,914	via
106	1051610,800	1079232,343	1706,941	via
107	1051609,815	1079231,213	1707,375	via
108	1051609,667	1079231,390	1707,026	via
109	1051609,071	1079230,936	1706,674	pn
110	1051609,026	1079230,570	1707,957	cer
111	1051621,206	1079223,735	1705,105	cer
112	1051620,881	1079223,027	1704,677	pk
113	1051620,581	1079222,821	1704,806	via
114	1051619,507	1079221,917	1704,880	via
115	1051618,507	1079220,922	1704,859	via
116	1051617,715	1079220,564	1704,408	via
117	1051617,411	1079220,064	1705,471	cer
120	1051627,073	1079212,500	1703,296	via
122	1051628,386	1079213,408	1703,176	via
123	1051628,678	1079213,806	1702,870	pn
124	1051629,259	1079214,110	1703,394	cer
125	1051625,798	1079211,714	1702,947	via
126	1051625,071	1079211,520	1702,095	pn
127	1051624,772	1079211,096	1703,692	cer
128	1051628,747	1079204,580	1701,679	cer
129	1051629,027	1079204,978	1701,023	pn
130	1051629,569	1079205,160	1701,515	via
131	1051631,194	1079206,113	1701,554	via
132	1051632,144	1079207,127	1701,450	via
133	1051632,673	1079207,387	1701,287	pn
134	1051633,401	1079207,792	1701,503	cer
135	1051639,272	1079198,231	1700,664	cer
136	1051638,770	1079197,785	1700,292	pn
137	1051638,342	1079197,391	1700,490	via
138	1051636,936	1079196,442	1700,639	via
139	1051635,924	1079195,759	1700,586	via
140	1051635,157	1079195,276	1700,640	pn
141	1051634,810	1079195,205	1700,011	pn
142	1051634,402	1079194,929	1700,757	pn
143	1051634,055	1079194,595	1700,808	cer
144	1051638,443	1079187,411	1700,180	cer
145	1051638,978	1079187,911	1699,716	pn
146	1051639,363	1079188,073	1699,290	pn

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147	1051639,682	1079188,236	1699,532	via
148	1051640,561	1079188,664	1699,690	via
149	1051641,786	1079189,551	1699,722	via
150	1051642,968	1079190,356	1699,678	via
151	1051643,383	1079190,798	1699,386	pn
152	1051643,886	1079191,176	1699,772	cer
153	1051649,610	1079184,217	1698,552	cer
154	1051649,104	1079183,629	1699,096	pn
155	1051648,729	1079183,459	1698,759	pn
156	1051648,166	1079182,929	1698,932	via
157	1051647,054	1079181,883	1698,960	via
158	1051645,952	1079180,957	1698,986	via
159	1051645,497	1079180,552	1698,938	pn
160	1051645,165	1079180,288	1698,766	pn
161	1051644,610	1079179,755	1699,190	cer
162	1051651,006	1079171,449	1698,713	cer
163	1051651,564	1079172,132	1698,819	pn
164	1051651,767	1079172,410	1698,288	pn
165	1051652,200	1079172,757	1698,503	pn
166	1051653,726	1079173,850	1698,534	via
167	1051654,628	1079174,731	1698,449	via
168	1051655,377	1079175,438	1698,238	pn
169	1051655,662	1079175,849	1698,559	pn
170	1051660,812	1079169,831	1698,203	cer
171	1051660,428	1079169,094	1697,769	cer
172	1051660,117	1079168,753	1697,897	via
173	1051659,170	1079167,581	1697,908	via
174	1051657,797	1079166,761	1697,866	via
175	1051657,288	1079166,302	1697,551	pn
176	1051656,882	1079166,045	1698,339	pn
177	1051656,304	1079165,372	1698,380	cer
178	1051664,918	1079160,777	1696,467	via
179	1051663,822	1079160,043	1696,549	via
180	1051663,424	1079159,823	1696,217	pk
181	1051663,061	1079159,247	1697,253	pk
182	1051662,089	1079158,580	1697,218	cer
183	1051666,888	1079162,281	1697,111	cer
184	1051666,971	1079161,431	1696,788	pn
185	1051666,653	1079161,147	1696,720	via
186	1051665,534	1079160,123	1696,588	via
187	1051666,713	1079161,218	1696,720	via
188	1051665,656	1079160,148	1696,833	via
189	1051664,603	1079159,274	1696,645	via
190	1051664,353	1079158,979	1696,338	pn
191	1051663,810	1079158,352	1697,534	pn
192	1051663,057	1079157,523	1697,654	cer
193	1051667,297	1079152,292	1696,458	cer
194	1051667,436	1079152,597	1696,734	pn
195	1051667,967	1079153,355	1694,924	pn
196	1051668,682	1079154,097	1696,629	via
197	1051669,800	1079155,375	1696,810	via
198	1051670,822	1079156,476	1696,651	arb

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199	1051671,060	1079156,738	1695,405	pn
200	1051671,681	1079156,903	1696,380	cer
201	1051669,304	1079151,066	1695,277	ent
202	1051670,077	1079149,852	1694,515	ent
203	1051669,707	1079148,100	1694,252	ent
204	1051673,058	1079144,995	1693,681	ent
205	1051674,773	1079144,205	1693,241	ent
206	1051676,801	1079143,493	1692,812	ent
207	1051671,651	1079147,429	1694,113	pn
208	1051672,825	1079148,682	1693,956	placa
209	1051670,709	1079150,213	1694,546	placa
210	1051674,421	1079146,658	1693,508	placa
211	1051672,685	1079148,900	1694,088	pn
212	1051673,464	1079149,541	1694,161	via
213	1051674,357	1079150,618	1694,171	via
214	1051675,377	1079151,669	1694,114	via
215	1051675,689	1079152,324	1693,948	pn
216	1051676,136	1079152,673	1694,751	cer
217	1051668,769	1079149,386	1695,504	cer
218	1051668,772	1079149,394	1695,506	pie
219	1051676,165	1079143,502	1692,637	cer
220	1051676,406	1079143,797	1691,853	pn
221	1051676,409	1079143,724	1692,529	pn
222	1051676,356	1079144,022	1691,777	pn
223	1051677,025	1079144,596	1691,936	pn
224	1051677,672	1079145,444	1692,455	via
225	1051678,496	1079146,591	1692,472	via
226	1051679,524	1079147,831	1692,438	via
227	1051680,220	1079148,396	1693,129	cer
228	1051679,821	1079148,208	1691,981	pn
229	1051687,269	1079141,752	1690,040	cer
230	1051687,161	1079141,371	1689,958	pn
231	1051686,460	1079140,170	1690,171	via
232	1051685,636	1079138,872	1690,167	via
233	1051684,939	1079138,444	1690,241	pn
234	1051684,631	1079138,137	1689,533	pn
235	1051684,432	1079137,878	1690,086	pn
236	1051683,938	1079137,095	1690,221	cer
237	1051688,162	1079132,380	1689,466	cer
238	1051689,436	1079133,595	1689,177	pn
239	1051689,537	1079133,725	1688,517	pn
240	1051689,723	1079134,102	1688,532	pn
241	1051690,085	1079134,323	1688,964	via
242	1051691,362	1079135,329	1689,048	via
243	1051692,437	1079136,466	1688,931	via
244	1051692,780	1079137,045	1688,829	cn
245	1051693,135	1079137,485	1688,991	cer
246	1051696,699	1079133,589	1688,538	cer
247	1051696,446	1079133,436	1688,336	pn
248	1051695,809	1079132,823	1688,522	via
249	1051694,295	1079131,950	1688,531	via
250	1051692,874	1079131,018	1688,439	via

251	1051692,786	1079130,976	1688,196	pn
252	1051692,108	1079130,157	1688,623	arb
253	1051690,131	1079128,995	1688,698	cer
254	1051691,473	1079122,811	1688,042	cer
255	1051693,201	1079123,592	1687,561	pn
256	1051693,638	1079123,589	1686,979	pn
257	1051694,211	1079123,790	1687,728	pn
258	1051696,711	1079124,300	1687,650	via
259	1051696,544	1079124,651	1687,672	via
260	1051696,444	1079125,087	1687,388	cer
261	1051700,185	1079124,909	1687,471	cer
262	1051694,593	1079126,404	1688,052	pn
263	1051694,224	1079126,447	1687,401	pn
264	1051693,771	1079126,538	1688,110	pn
265	1051693,067	1079124,886	1687,524	pn
266	1051693,318	1079124,835	1687,143	pn
267	1051693,599	1079124,709	1687,775	pn
268	1051695,175	1079114,086	1687,117	cer
269	1051696,577	1079114,325	1686,225	pn
270	1051697,026	1079114,391	1685,797	pn
271	1051697,442	1079114,438	1686,215	pn
272	1051697,972	1079114,669	1686,461	via
273	1051696,322	1079115,290	1686,373	via
274	1051700,881	1079115,775	1686,303	via
275	1051701,901	1079116,175	1685,623	pn
276	1051704,106	1079109,315	1685,692	cer
277	1051703,564	1079109,011	1685,744	pn
278	1051702,866	1079108,577	1686,072	via
279	1051701,630	1079108,002	1686,193	via
280	1051700,466	1079107,362	1686,192	via
281	1051699,548	1079107,052	1686,326	pm
282	1051698,857	1079106,767	1685,831	pm
283	1051698,608	1079106,567	1686,212	pn
284	1051697,993	1079106,413	1686,856	cer
285	1051700,772	1079098,744	1686,709	cer
286	1051701,513	1079099,075	1686,614	pn
287	1051702,410	1079099,372	1685,821	pn
288	1051702,926	1079099,516	1686,086	via
289	1051704,566	1079100,245	1686,113	via
290	1051705,874	1079100,885	1686,026	via
291	1051706,741	1079101,232	1685,782	pn
292	1051707,251	1079101,375	1685,830	cer
293	1051711,163	1079091,176	1685,580	cer
294	1051710,386	1079090,577	1685,702	via
295	1051709,711	1079090,225	1686,034	via
296	1051708,638	1079089,726	1686,105	via
297	1051707,321	1079089,016	1686,116	via
298	1051706,696	1079088,384	1685,847	pn
299	1051705,621	1079087,311	1686,696	cer
300	1051708,913	1079078,880	1686,904	cer
301	1051709,967	1079079,718	1686,556	pn
302	1051710,271	1079079,794	1686,018	pn

303	1051710,739	1079079,696	1686,185	via
304	1051712,076	1079080,447	1686,162	via
305	1051713,354	1079081,192	1686,101	via
306	1051714,049	1079081,531	1685,819	pn
307	1051714,477	1079081,646	1686,202	cer
308	1051714,571	1079074,150	1686,250	via
309	1051715,883	1079074,979	1686,111	via
310	1051716,758	1079075,260	1685,828	pn
311	1051717,154	1079075,546	1686,019	cer
312	1051713,357	1079073,487	1686,112	via
313	1051712,918	1079073,177	1685,865	pn
314	1051711,400	1079072,515	1686,519	cer
315	1051714,435	1079065,663	1686,161	cer
316	1051715,577	1079066,847	1686,003	pn
317	1051715,870	1079066,975	1685,853	pn
318	1051716,278	1079067,255	1686,012	via
319	1051717,638	1079068,229	1686,041	via
320	1051718,847	1079069,010	1686,018	via
321	1051719,384	1079069,311	1685,702	pn
322	1051719,872	1079069,353	1686,034	cer
323	1051724,889	1079063,553	1686,230	cer
324	1051724,730	1079063,132	1685,399	pn
325	1051724,502	1079062,725	1685,572	via
326	1051723,593	1079061,554	1685,690	via
327	1051722,836	1079060,167	1685,527	via
328	1051722,458	1079059,717	1685,391	pn
329	1051722,122	1079059,336	1686,049	pn
330	1051721,538	1079058,494	1685,854	cer
331	1051727,230	1079053,481	1685,033	cer
332	1051727,982	1079054,025	1685,187	pn
333	1051728,165	1079054,307	1684,560	pn
334	1051728,604	1079054,794	1684,817	via
335	1051729,633	1079055,913	1684,954	via
336	1051730,773	1079056,925	1684,945	via
337	1051731,273	1079057,327	1684,762	pn
338	1051731,377	1079057,537	1685,324	pn
339	1051731,470	1079057,816	1685,413	cer
340	1051735,826	1079049,763	1683,842	via
341	1051736,679	1079050,928	1683,682	via
342	1051736,904	1079051,367	1683,528	pn
343	1051737,273	1079051,701	1683,682	cer
344	1051734,720	1079048,966	1683,475	via
345	1051734,174	1079048,573	1683,303	pn
346	1051733,911	1079048,609	1683,890	pn
347	1051733,577	1079047,332	1683,645	cer
348	1051737,001	1079042,939	1683,184	cer
349	1051737,650	1079043,587	1683,273	pn
350	1051737,785	1079043,748	1682,673	pn
351	1051738,468	1079043,932	1682,833	via
352	1051739,768	1079044,597	1682,671	via
353	1051740,713	1079045,267	1682,626	via
354	1051741,477	1079045,692	1682,583	pn

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355	1051742,052	1079046,068	1682,848	cer
356	1051746,039	1079037,664	1681,727	cer
357	1051745,635	1079037,475	1681,674	pn
358	1051745,038	1079037,107	1681,618	pn
359	1051743,914	1079036,445	1681,610	pn
360	1051742,618	1079035,747	1681,634	via
361	1051742,211	1079035,577	1681,518	pn
362	1051741,892	1079035,558	1682,225	pn
363	1051740,882	1079035,237	1682,531	cer
364	1051749,977	1079027,071	1680,807	cer
365	1051749,464	1079026,769	1680,551	pn
366	1051748,919	1079026,461	1680,711	via
367	1051747,472	1079025,661	1680,696	via
368	1051746,306	1079025,401	1680,692	via
369	1051745,452	1079025,302	1680,399	pn
370	1051744,706	1079025,080	1681,086	pn
371	1051744,010	1079024,958	1681,243	cer
373	1051750,585	1079019,272	1680,186	via
374	1051751,841	1079018,866	1680,035	via
375	1051752,545	1079020,156	1679,852	pn
376	1051753,023	1079020,389	1680,011	cer
377	1051749,265	1079018,317	1680,205	via
378	1051748,829	1079017,979	1680,103	pn
379	1051745,768	1079015,959	1681,146	cer
380	1051756,534	1079012,372	1678,454	cer
381	1051756,292	1079012,177	1678,219	pn
382	1051755,687	1079011,720	1678,491	via
384	1051752,993	1079010,104	1678,441	via
385	1051752,310	1079009,644	1678,194	pn
386	1051751,929	1079009,152	1678,472	pn
387	1051750,003	1079008,225	1679,177	cer
388	1051759,942	1079006,048	1676,749	cer
389	1051759,682	1079005,794	1676,681	pn
390	1051759,259	1079005,526	1676,763	via
392	1051757,056	1079003,473	1676,634	via
393	1051756,245	1079002,632	1676,425	pn
394	1051756,022	1079002,208	1676,770	pn
395	1051755,325	1079000,909	1676,831	cer
396	1051763,292	1078995,606	1675,752	cer
397	1051763,773	1078996,472	1675,297	pn
398	1051763,826	1078997,144	1674,601	pn
399	1051764,001	1078997,792	1674,885	via
401	1051765,552	1079000,154	1674,842	via
402	1051765,707	1079000,445	1674,797	pn
403	1051765,882	1079000,722	1675,119	cer
404	1051775,814	1078994,871	1673,423	cer
405	1051774,837	1078994,152	1672,300	pn
406	1051774,521	1078993,531	1672,269	via
407	1051774,201	1078992,715	1672,299	via
408	1051773,808	1078991,362	1672,199	via
409	1051773,240	1078990,998	1671,957	pn
410	1051773,043	1078990,728	1672,608	pn

411	1051772,711	1078989,617	1672,972	cer
412	1051779,719	1078984,043	1670,348	cer
413	1051780,404	1078985,362	1670,090	pn
414	1051780,501	1078985,652	1669,658	pn
415	1051780,914	1078986,433	1669,994	via
416	1051781,885	1078987,538	1670,064	via
417	1051782,717	1078988,773	1669,925	via
418	1051783,502	1078989,534	1671,018	cer
419	1051791,745	1078983,648	1669,020	cer
420	1051790,960	1078983,104	1667,621	pn
421	1051791,119	1078983,002	1667,750	pn
422	1051791,015	1078982,757	1667,874	via
423	1051790,229	1078981,478	1667,879	via
424	1051789,035	1078980,179	1667,876	via
425	1051788,703	1078979,960	1667,638	pn
426	1051787,991	1078978,046	1668,606	cer
427	1051788,982	1078979,288	1668,221	pn
428	1051793,437	1078972,808	1666,737	cer
429	1051796,814	1078974,806	1666,131	via
430	1051797,812	1078975,688	1666,072	via
431	1051798,001	1078975,855	1665,961	pn
432	1051795,179	1078974,071	1666,090	via
433	1051794,929	1078973,959	1665,872	pn
434	1051794,596	1078973,414	1666,912	pn
436	1051799,366	1078975,844	1666,232	cer
437	1051803,360	1078967,536	1664,527	cer
438	1051802,994	1078967,285	1664,215	pn
439	1051802,868	1078967,217	1664,283	via
440	1051801,494	1078966,620	1664,394	via
441	1051799,895	1078966,054	1664,419	via
442	1051799,615	1078965,969	1664,075	pn
443	1051799,135	1078965,434	1664,668	pn
444	1051798,592	1078965,038	1664,867	cer
445	1051805,686	1078950,563	1661,978	cer
446	1051806,413	1078950,984	1662,025	pn
447	1051807,011	1078951,137	1662,171	via
448	1051808,252	1078951,793	1662,273	via
449	1051809,506	1078952,489	1662,223	via
450	1051809,739	1078952,670	1662,051	pn
451	1051809,774	1078952,682	1661,998	pn
452	1051810,231	1078952,853	1662,506	cer
453	1051811,295	1078939,130	1661,008	cer
454	1051812,000	1078939,673	1661,010	pn
455	1051813,165	1078940,402	1661,248	via
456	1051814,205	1078941,196	1661,236	via
457	1051815,469	1078941,979	1661,282	via
458	1051816,156	1078942,415	1661,118	pn
459	1051816,441	1078942,454	1661,364	cer
460	1051814,634	1078934,970	1660,698	cer
461	1051815,103	1078935,172	1660,741	cer
462	1051815,814	1078935,742	1660,911	via
463	1051816,277	1078936,115	1660,909	via

464	1051817,306	1078936,875	1661,002	via
465	1051818,480	1078937,759	1661,007	via
466	1051818,969	1078937,865	1660,743	pn
467	1051819,202	1078937,886	1660,617	cer
468	1051822,494	1078924,955	1660,420	cer
469	1051822,796	1078925,098	1660,458	cer
470	1051823,207	1078925,459	1660,364	via
471	1051824,690	1078926,201	1660,407	via
472	1051825,771	1078926,992	1660,329	via
473	1051826,116	1078927,292	1660,292	pn
474	1051826,180	1078927,406	1660,473	cerpn
475	1051831,208	1078918,509	1660,191	cer
476	1051830,855	1078918,260	1659,976	pn
477	1051830,553	1078918,074	1660,031	via
478	1051829,271	1078917,836	1660,159	via
479	1051827,717	1078917,248	1660,117	via
480	1051827,094	1078916,971	1660,086	cer
481	1051832,825	1078906,794	1659,739	cer
482	1051833,287	1078906,062	1659,547	pn
483	1051834,860	1078906,931	1659,618	via
484	1051836,150	1078907,609	1659,504	via
485	1051836,678	1078908,044	1659,415	pn
486	1051836,994	1078908,074	1659,689	cer
487	1051842,578	1078900,344	1658,966	cer
488	1051842,331	1078900,151	1658,635	pn
489	1051842,106	1078899,866	1658,785	pn
490	1051841,074	1078898,944	1658,892	via
491	1051839,753	1078897,865	1658,857	via
492	1051839,350	1078897,521	1659,032	cer
493	1051846,039	1078891,202	1658,003	cer
494	1051846,393	1078891,419	1657,995	via
495	1051847,631	1078892,475	1657,933	via
496	1051848,867	1078893,496	1657,833	via
497	1051849,217	1078893,827	1657,761	pn
498	1051849,499	1078893,960	1657,872	cer
499	1051854,216	1078889,735	1657,533	cer
500	1051854,018	1078889,593	1657,219	pn
501	1051853,068	1078889,097	1657,369	via
502	1051850,708	1078888,547	1657,278	via
503	1051849,484	1078888,153	1657,230	via
504	1051848,824	1078887,654	1657,456	cer
505	1051849,101	1078885,033	1657,083	cer
506	1051849,781	1078885,185	1656,537	via
507	1051851,912	1078886,630	1656,841	via
508	1051853,483	1078886,837	1657,003	via
509	1051855,647	1078886,381	1657,021	pm
510	1051857,858	1078887,157	1657,106	cer
511	1051862,358	1078884,728	1656,663	cer
512	1051860,052	1078881,704	1656,734	cer
513	1051856,229	1078879,597	1656,491	cer
514	1051854,055	1078880,622	1656,436	pn
515	1051852,486	1078881,504	1656,445	via

516	1051850,844	1078882,279	1656,370	via
517	1051848,846	1078883,036	1656,302	via
518	1051848,394	1078883,174	1656,160	pn
519	1051847,959	1078883,336	1656,706	cer
520	1051844,987	1078880,304	1656,248	cer
521	1051845,383	1078880,052	1655,720	pn
522	1051845,860	1078879,370	1655,843	via
523	1051846,757	1078878,135	1655,837	via
524	1051847,617	1078877,073	1655,759	via
525	1051848,266	1078875,535	1655,543	cer
526	1051844,621	1078873,255	1655,036	cer
527	1051843,753	1078873,956	1655,032	via
528	1051843,518	1078874,266	1655,052	via
529	1051843,140	1078875,777	1655,091	via
531	1051841,838	1078876,647	1655,219	via
532	1051841,367	1078877,308	1655,312	pn
533	1051841,222	1078877,594	1655,113	pn
534	1051840,936	1078878,044	1655,842	cer
535	1051836,370	1078876,649	1655,594	cer
536	1051836,684	1078875,836	1654,860	pn
537	1051837,445	1078874,638	1654,901	via
538	1051839,115	1078872,495	1654,559	via
539	1051840,638	1078870,917	1654,254	via
540	1051840,992	1078870,290	1654,383	pn
541	1051841,254	1078870,292	1654,557	pn
542	1051841,827	1078869,704	1654,445	cer
543	1051841,238	1078866,952	1654,249	cer
544	1051840,360	1078867,000	1653,537	pn
545	1051839,458	1078866,927	1653,605	via
546	1051837,157	1078866,575	1653,621	via
547	1051835,483	1078866,169	1653,675	via
548	1051833,860	1078865,256	1653,508	cer
549	1051830,769	1078869,840	1654,359	cer
550	1051826,226	1078873,484	1654,614	cer
551	1051829,223	1078874,072	1654,780	pn
552	1051831,040	1078874,852	1654,854	cer
553	1051832,302	1078875,583	1654,837	cer
554	1051832,907	1078875,821	1654,728	pn
555	1051833,370	1078876,335	1655,733	cer
556	1051830,940	1078872,887	1654,661	pn
557	1051833,954	1078871,402	1654,495	pn
558	1051836,062	1078870,655	1654,399	via
559	1051837,545	1078870,003	1654,186	via
560	1051839,397	1078869,308	1653,945	via
561	1051840,496	1078868,938	1653,895	pn
562	1051841,043	1078868,616	1654,367	pn
563	1051841,433	1078868,494	1654,336	cer
564	1051842,557	1078862,779	1653,482	cer
565	1051841,788	1078862,247	1653,321	pn
566	1051841,504	1078862,250	1652,844	pn
567	1051840,684	1078861,859	1652,903	via
568	1051839,331	1078860,939	1652,895	via

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569	1051838,110	1078860,342	1652,612	via
570	1051837,128	1078859,635	1653,039	cer
571	1051843,664	1078850,311	1651,578	cer
572	1051844,156	1078850,617	1651,678	via
573	1051845,282	1078851,320	1651,804	via
574	1051846,434	1078852,175	1651,738	via
575	1051846,745	1078852,401	1651,881	pn
576	1051847,084	1078852,526	1651,663	pn
577	1051848,409	1078853,359	1652,754	cer
578	1051849,898	1078849,675	1652,114	arb
579	1051850,341	1078841,762	1651,452	cer
580	1051851,016	1078842,260	1651,523	via
581	1051852,249	1078843,041	1651,546	via
582	1051853,208	1078843,796	1651,603	via
583	1051853,476	1078843,850	1651,707	pn
584	1051853,809	1078844,194	1651,496	pn
585	1051854,147	1078844,485	1651,986	pn
586	1051854,553	1078844,785	1652,259	cer
587	1051862,777	1078834,175	1651,842	cer
588	1051862,140	1078833,967	1651,338	pn
589	1051862,034	1078833,804	1650,940	pn
590	1051861,703	1078833,342	1651,051	via
591	1051860,612	1078832,204	1651,101	via
592	1051859,644	1078831,301	1651,192	via
593	1051859,298	1078830,839	1651,288	cer
594	1051867,197	1078821,048	1650,592	cer
595	1051867,943	1078821,741	1650,440	via
596	1051868,605	1078822,506	1650,405	via
597	1051869,896	1078823,386	1650,312	via
598	1051870,158	1078824,022	1650,255	pn
599	1051870,884	1078824,571	1650,971	cer
600	1051871,761	1078822,574	1650,255	arb
601	1051878,465	1078815,058	1649,852	cer
602	1051878,489	1078814,804	1649,650	cer
603	1051877,891	1078814,448	1648,895	pn
604	1051877,544	1078814,330	1649,060	via
605	1051877,147	1078814,085	1649,067	via
606	1051876,258	1078813,383	1649,129	via
607	1051875,307	1078812,787	1649,060	via
608	1051874,306	1078812,106	1649,178	cer
609	1051880,961	1078802,005	1648,089	cer
610	1051881,583	1078802,453	1648,010	pn
611	1051882,073	1078802,761	1648,065	via
612	1051882,727	1078803,034	1648,099	via
613	1051883,925	1078803,652	1648,043	via
614	1051884,388	1078803,887	1647,955	pn
615	1051885,120	1078804,113	1648,813	pn
616	1051885,902	1078804,350	1648,904	cer
617	1051885,551	1078803,086	1648,206	arb
618	1051883,938	1078806,222	1648,829	arb
619	1051883,124	1078807,422	1648,647	arb
620	1051886,174	1078800,436	1648,459	cer

621	1051887,615	1078799,928	1646,282	pn
622	1051887,200	1078799,541	1647,579	pn
623	1051886,667	1078799,377	1647,634	via
624	1051885,469	1078798,818	1647,784	via
625	1051884,487	1078798,054	1647,749	via
626	1051883,798	1078797,432	1647,821	cer
627	1051890,332	1078787,993	1646,651	cer
628	1051890,634	1078788,437	1646,532	via
629	1051891,509	1078789,101	1646,620	via
630	1051892,525	1078790,006	1646,514	via
631	1051892,897	1078790,182	1646,701	pn
632	1051893,253	1078790,650	1646,369	pn
633	1051893,638	1078790,989	1647,001	pn
634	1051894,197	1078791,062	1647,122	cer
635	1051900,881	1078782,509	1645,934	cer
636	1051900,098	1078781,616	1645,390	pn
637	1051899,654	1078781,161	1645,557	via
638	1051898,936	1078780,386	1645,615	via
639	1051898,089	1078779,286	1645,513	via
641	1051897,842	1078778,522	1645,612	cer
642	1051899,348	1078783,039	1645,839	arb
643	1051902,293	1078779,398	1645,226	arb
644	1051903,884	1078776,699	1645,564	arb
645	1051903,953	1078772,626	1645,143	ent
646	1051904,320	1078773,136	1645,113	via
647	1051905,121	1078774,063	1645,133	via
648	1051906,141	1078775,250	1645,022	via
649	1051906,430	1078775,692	1644,881	pn
650	1051906,432	1078775,825	1644,863	pn
651	1051906,665	1078776,149	1645,344	pn
652	1051907,340	1078777,023	1645,536	cer
653	1051904,170	1078770,874	1644,894	ent
654	1051907,413	1078768,826	1644,625	ent
655	1051908,904	1078768,999	1644,910	ent
656	1051909,477	1078768,968	1644,824	pie
657	1051909,917	1078769,628	1644,737	via
658	1051910,674	1078770,581	1644,780	via
659	1051911,400	1078771,669	1644,701	via
660	1051911,633	1078772,208	1644,491	pn
661	1051911,887	1078772,849	1645,184	pn
662	1051912,348	1078773,449	1645,253	cer
663	1051916,280	1078770,519	1645,021	cer
664	1051916,275	1078770,108	1644,990	pn
665	1051916,119	1078769,637	1644,063	pn
666	1051915,909	1078769,160	1644,200	via
667	1051914,889	1078767,893	1644,261	via
668	1051914,213	1078766,708	1644,274	via
669	1051913,949	1078765,886	1644,407	cer
670	1051920,167	1078768,705	1644,945	cer
671	1051920,216	1078768,002	1643,734	via
672	1051924,161	1078768,428	1643,751	via
673	1051924,700	1078769,899	1645,240	pn

674	1051924,401	1078770,464	1645,316	cer
675	1051927,634	1078769,076	1644,061	pn
676	1051927,463	1078770,053	1644,603	pn
677	1051927,140	1078770,717	1645,334	cer
678	1051928,897	1078770,124	1644,586	ent
679	1051930,094	1078766,284	1644,752	ent
680	1051927,712	1078765,301	1644,744	cer
681	1051927,237	1078796,381	1643,958	via
682	1051926,635	1078767,526	1643,931	via
683	1051926,470	1078768,648	1643,922	via
684	1051929,255	1078788,295	1644,203	via
685	1051929,588	1078787,035	1644,198	via
686	1051926,992	1078769,387	1644,198	via
687	1051923,662	1078765,362	1643,468	via
688	1051923,170	1078796,636	1643,622	via
689	1051922,855	1078768,065	1643,754	via
690	1051925,308	1078784,039	1643,087	pn
691	1051924,922	1078783,413	1643,184	via
692	1051924,266	1078782,395	1643,073	via
693	1051923,412	1078781,097	1642,974	via
694	1051922,855	1078780,131	1642,923	cer
695	1051922,921	1078780,263	1642,944	cer
696	1051932,543	1078753,056	1642,135	cer
697	1051933,090	1078753,713	1642,116	via
698	1051934,069	1078754,909	1642,081	via
699	1051935,050	1078756,020	1642,058	via
700	1051935,461	1078756,498	1641,946	pn
701	1051935,584	1078756,813	1641,827	pn
702	1051936,356	1078757,336	1643,453	cer
703	1051942,315	1078752,897	1641,899	cer
704	1051941,805	1078752,213	1641,827	pn
705	1051941,290	1078751,512	1640,781	pn
706	1051940,772	1078751,150	1640,973	via
707	1051940,100	1078750,102	1641,002	via
708	1051939,270	1078748,808	1640,941	via
709	1051938,939	1078748,242	1641,186	cer
710	1051947,929	1078741,900	1638,736	cer
711	1051948,391	1078742,796	1638,511	via
712	1051948,872	1078743,840	1638,507	via
713	1051949,750	1078745,020	1638,408	via
714	1051950,319	1078745,678	1638,079	pn
715	1051950,843	1078746,207	1638,933	pn
716	1051951,282	1078746,519	1638,989	cer
717	1051956,923	1078743,317	1637,185	cer
718	1051956,578	1078742,924	1636,950	pn
719	1051956,385	1078742,550	1636,356	pn
720	1051958,119	1078741,858	1636,598	via
721	1051955,399	1078740,592	1636,666	via
722	1051954,939	1078739,332	1636,679	via
723	1051954,686	1078738,667	1636,813	cer
724	1051961,914	1078735,784	1635,331	cer
725	1051962,168	1078736,886	1635,660	via

726	1051962,423	1078737,846	1635,655	via
727	1051962,791	1078739,267	1635,650	via
728	1051963,073	1078740,022	1635,543	pn
729	1051963,374	1078740,814	1636,097	pn
730	1051973,502	1078737,186	1635,906	cer
731	1051973,227	1078736,812	1635,591	pm
732	1051973,194	1078736,554	1635,035	pm
733	1051972,863	1078736,835	1635,131	via
734	1051972,446	1078734,575	1635,108	via
735	1051972,240	1078733,400	1635,017	via
736	1051972,205	1078732,742	1634,886	cer
737	1051981,797	1078730,187	1634,151	cer
738	1051982,098	1078731,015	1634,229	via
739	1051982,214	1078731,581	1634,272	via
740	1051982,742	1078733,233	1634,275	via
741	1051982,850	1078733,620	1634,148	pn
742	1051983,095	1078734,185	1634,938	cer
743	1051988,709	1078732,337	1634,648	cer
744	1051988,609	1078732,073	1634,421	pn
745	1051988,641	1078731,892	1633,804	pn
746	1051988,539	1078731,506	1634,009	via
747	1051988,249	1078731,200	1634,032	via
748	1051987,850	1078729,992	1634,025	via
749	1051987,461	1078728,798	1633,992	via
750	1051987,255	1078728,290	1633,946	cer
751	1051994,012	1078725,848	1633,804	cer
752	1051994,280	1078726,472	1633,953	via
753	1051994,502	1078728,012	1634,013	via
754	1051995,126	1078729,428	1634,183	via
755	1051995,246	1078729,863	1634,156	pn
756	1051995,297	1078730,072	1634,762	pn
757	1051995,213	1078730,606	1634,987	cer
758	1052006,335	1078738,495	1636,940	ent
759	1052006,376	1078739,886	1637,051	ent
760	1052004,544	1078741,323	1636,967	ent
761	1052004,207	1078741,598	1637,716	cer
762	1052004,148	1078741,856	1637,723	cer
763	1052001,477	1078738,420	1637,131	cer
764	1052001,660	1078738,256	1637,124	pn
765	1052002,338	1078737,948	1636,271	pn
766	1052002,792	1078737,623	1636,356	via
767	1052003,081	1078737,261	1636,353	via
768	1052004,226	1078736,515	1636,364	via
769	1052005,650	1078735,582	1636,400	via
770	1052006,062	1078735,275	1636,307	pn
771	1052005,740	1078734,928	1636,416	cer
772	1052006,197	1078734,996	1636,593	cer
773	1052006,403	1078734,891	1636,640	cer
774	1052004,660	1078732,136	1636,228	cer
775	1052004,400	1078732,278	1635,854	pn
776	1052003,872	1078732,610	1635,766	via
777	1052002,049	1078733,612	1635,633	via

778	1052000,705	1078734,359	1635,603	via
779	1052000,032	1078734,657	1635,477	pn
780	1051999,081	1078734,719	1636,198	pn
781	1051998,786	1078735,108	1636,128	cer
782	1051996,379	1078732,031	1635,276	cer
783	1051996,794	1078731,513	1635,230	pn
784	1051997,322	1078731,248	1634,656	pn
785	1051997,786	1078731,095	1634,763	via
786	1051998,492	1078730,636	1634,720	via
787	1052000,296	1078729,893	1634,784	via
788	1052002,752	1078728,704	1634,675	via
789	1052003,855	1078728,460	1634,537	pn
790	1052004,361	1078728,320	1634,982	pn
791	1052004,795	1078728,444	1635,015	cer
792	1052005,920	1078728,717	1634,572	cer
793	1052005,447	1078726,435	1634,422	pn
794	1052005,362	1078726,345	1634,431	pn
795	1052005,146	1078725,996	1634,033	pn
796	1052004,849	1078725,715	1634,114	via
797	1052004,086	1078724,420	1634,005	via
798	1052003,283	1078723,171	1633,985	via
799	1052002,854	1078722,370	1633,923	cer
800	1051997,741	1078724,492	1633,766	cer
801	1051998,182	1078725,396	1634,024	via
802	1051998,998	1078727,045	1634,165	via
803	1051999,735	1078728,984	1634,528	via
804	1052000,975	1078730,904	1634,995	via
805	1052012,144	1078724,596	1634,979	cer
806	1052011,983	1078723,668	1634,792	pn
807	1052011,823	1078723,236	1633,865	pn
808	1052011,563	1078722,707	1634,053	via
809	1052011,200	1078721,477	1634,186	via
810	1052010,887	1078720,208	1634,177	via
811	1052010,597	1078719,303	1634,197	cer
812	1052019,500	1078717,214	1633,954	cer
813	1052019,484	1078717,736	1633,881	via
814	1052019,741	1078718,378	1633,799	via
815	1052019,927	1078719,460	1633,786	via
816	1052020,565	1078721,230	1633,412	pn
817	1052020,569	1078721,675	1634,236	pn
818	1052020,770	1078722,159	1634,351	cer
819	1052027,591	1078721,689	1633,789	cer
820	1052027,440	1078721,060	1633,386	pn
821	1052027,511	1078720,843	1632,901	pn
822	1052027,487	1078720,515	1633,040	via
823	1052027,290	1078718,885	1633,009	via
824	1052027,217	1078717,029	1633,036	via
825	1052027,285	1078716,652	1633,137	cer
826	1052037,769	1078715,982	1630,927	cer
827	1052037,859	1078716,702	1631,257	via
828	1052037,899	1078717,448	1631,312	via
829	1052038,012	1078719,870	1631,550	via

830	1052038.068	1078720.345	1631,466	pn
831	1052037.820	1078720.782	1632,115	pn
832	1052038.149	1078721.303	1632,262	cer
833	1052043.894	1078721.308	1631,705	cer
834	1052044.044	1078720.768	1631,302	pn
835	1052043.627	1078720.023	1630,666	pn
836	1052043.712	1078719.383	1630,658	via
837	1052043.752	1078718.448	1630,690	via
838	1052043.862	1078716.976	1630,481	via
839	1052043.862	1078715.907	1630,409	cer
840	1052049.888	1078715.251	1629,564	cer
841	1052049.932	1078716.145	1629,926	via
842	1052049.971	1078717.382	1630,023	via
843	1052050.245	1078718.729	1630,062	via
844	1052050.352	1078719.350	1629,969	pn
845	1052050.298	1078719.433	1630,467	pn
846	1052050.518	1078720.578	1630,929	cer
847	1052061.806	1078719.146	1630,048	cer
848	1052061.784	1078718.534	1629,868	pn
849	1052061.864	1078718.109	1629,193	pn
850	1052061.766	1078717.378	1629,279	via
851	1052061.794	1078717.068	1629,156	via
852	1052061.549	1078716.094	1629,008	via
853	1052061.312	1078714.727	1628,924	via
854	1052061.362	1078713.834	1629,050	cer
855	1052073.406	1078711.477	1627,900	cer
856	1052073.483	1078712.431	1628,105	via
857	1052073.970	1078713.773	1628,217	via
858	1052074.252	1078715.000	1628,256	via
859	1052074.362	1078715.581	1628,211	pn
860	1052074.302	1078715.921	1628,917	pn
861	1052074.626	1078717.138	1629,590	cer
862	1052085.742	1078714.594	1628,856	cer
863	1052085.575	1078713.934	1628,241	pn
864	1052085.063	1078713.130	1627,088	pn
865	1052084.930	1078712.624	1627,390	via
866	1052084.642	1078711.233	1627,297	via
867	1052083.814	1078709.255	1627,213	via
868	1052083.801	1078708.823	1627,102	cer
869	1052091.396	1078705.322	1626,326	cer
870	1052091.866	1078706.147	1626,510	via
871	1052092.651	1078707.662	1626,593	via
872	1052093.554	1078708.634	1626,456	via
873	1052093.897	1078709.045	1626,219	pn
874	1052094.404	1078709.350	1627,259	pn
875	1052095.266	1078709.863	1627,795	cer
876	1052101.432	1078704.968	1626,661	cer
877	1052101.115	1078704.375	1626,078	pn
878	1052100.806	1078704.215	1625,599	pn
879	1052100.477	1078703.763	1625,881	via
880	1052099.767	1078702.765	1625,961	via
881	1052098.884	1078701.770	1625,813	via

882	1052098,331	1078701,044	1625,790	cer
883	1052104,148	1078696,457	1625,515	cer
884	1052104,575	1078696,914	1625,480	via
885	1052105,488	1078697,795	1625,535	via
886	1052106,335	1078698,376	1625,550	via
887	1052106,979	1078698,960	1625,551	pn
888	1052107,855	1078699,387	1626,488	cer
889	1052105,918	1078694,761	1625,318	arb
890	1052107,319	1078692,732	1625,223	arb
891	1052108,429	1078690,623	1625,056	cer
892	1052109,227	1078691,117	1625,203	via
893	1052110,670	1078691,871	1625,268	via
894	1052111,588	1078692,279	1625,187	via
895	1052112,162	1078692,636	1624,965	pn
896	1052113,291	1078693,321	1626,324	cer
897	1052115,694	1078688,409	1626,185	cer
898	1052114,781	1078688,189	1624,922	pn
899	1052114,187	1078687,753	1625,280	via
900	1052113,004	1078687,069	1625,280	via
901	1052111,792	1078686,298	1625,157	via
902	1052110,795	1078685,889	1624,691	cer
903	1052115,017	1078674,819	1625,119	cer
904	1052115,976	1078675,194	1625,407	via
905	1052117,275	1078675,636	1625,394	via
906	1052118,268	1078676,147	1625,357	via
907	1052118,596	1078676,319	1625,091	pn
908	1052119,489	1078676,768	1626,308	pn
909	1052120,118	1078676,840	1626,580	cer
910	1052118,563	1078664,831	1625,645	cer
911	1052119,586	1078665,209	1625,655	via
912	1052120,761	1078665,777	1625,686	via
913	1052121,872	1078666,489	1625,579	via
914	1052122,404	1078666,873	1625,767	pn
915	1052122,612	1078667,284	1626,470	pn
916	1052123,188	1078667,717	1626,688	cer
917	1052125,399	1078664,649	1626,963	cer
918	1052124,510	1078664,088	1626,633	pn
919	1052123,826	1078664,275	1625,895	via
920	1052123,588	1078664,019	1625,767	via
921	1052122,596	1078663,210	1625,875	via
922	1052121,487	1078662,180	1625,860	via
923	1052119,952	1078661,110	1625,721	cer
924	1052123,425	1078656,699	1626,004	cer
925	1052125,221	1078658,561	1626,343	via
926	1052126,095	1078660,055	1626,341	via
927	1052126,783	1078661,475	1626,329	via
928	1052126,885	1078661,778	1626,542	pn
929	1052127,072	1078662,460	1626,883	cer
930	1052131,320	1078662,731	1627,914	cer
931	1052131,339	1078661,711	1627,884	pn
932	1052131,426	1078660,907	1627,177	via
933	1052131,533	1078659,359	1627,297	via

934	1052131,744	1078658,028	1627,417	via
935	1052132,148	1078656,161	1627,578	cer
936	1052136,438	1078658,859	1628,402	cer
937	1052137,993	1078659,924	1628,216	via
938	1052137,316	1078661,297	1628,115	via
939	1052136,905	1078662,540	1628,007	via
940	1052136,387	1078663,325	1628,397	pn
941	1052135,713	1078664,080	1628,619	cer
942	1052142,802	1078669,263	1628,081	cer
943	1052144,111	1078667,730	1627,628	via
944	1052145,039	1078666,391	1627,512	via
945	1052146,190	1078665,095	1627,470	via
946	1052146,871	1078664,457	1627,705	cer
947	1052147,102	1078663,838	1628,212	cer
948	1052151,463	1078665,871	1627,599	cer
949	1052151,106	1078666,257	1627,042	pn
950	1052150,915	1078666,888	1626,686	via
951	1052150,201	1078668,154	1626,738	via
952	1052148,932	1078669,991	1626,872	via
953	1052147,811	1078671,494	1626,846	via
954	1052147,015	1078672,280	1627,252	pn
955	1052146,685	1078672,774	1627,497	cer
956	1052150,780	1078676,462	1626,698	cer
957	1052152,617	1078674,592	1626,052	pn
958	1052155,721	1078670,473	1625,815	via
959	1052159,038	1078672,347	1625,339	cer
960	1052157,517	1078675,157	1625,262	ent
961	1052156,088	1078677,372	1625,252	ent
962	1052154,351	1078679,787	1625,037	ent
963	1052153,789	1078674,510	1625,888	via
964	1052152,892	1078671,732	1626,186	via
965	1052152,359	1078668,058	1626,376	via
966	1052152,375	1078666,950	1626,473	pn
967	1052152,637	1078666,040	1627,298	cer
968	1052155,314	1078665,693	1626,856	cer
969	1052155,632	1078666,350	1626,695	pn
970	1052155,663	1078666,424	1625,702	pn
971	1052155,947	1078667,153	1625,367	via
972	1052156,734	1078667,520	1625,270	via
973	1052158,314	1078668,595	1625,187	via
974	1052160,385	1078669,773	1624,979	cer
975	1052163,228	1078664,006	1623,731	cer
976	1052162,458	1078663,627	1623,841	via
977	1052161,019	1078663,017	1623,881	via
978	1052159,334	1078662,373	1624,072	via
979	1052158,649	1078661,868	1624,622	cer
980	1052158,303	1078661,804	1625,618	pn
981	1052166,921	1078656,869	1621,869	cer
982	1052165,836	1078656,464	1622,143	pn
983	1052164,521	1078654,688	1622,118	pn
984	1052163,304	1078654,143	1622,197	pn
985	1052162,481	1078653,440	1622,011	pn

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986	1052165,126	1078646,271	1621,291	cer
987	1052165,630	1078646,392	1620,890	pn
988	1052166,314	1078646,799	1620,948	via
989	1052167,807	1078647,178	1620,980	via
990	1052169,626	1078647,748	1620,792	via
991	1052170,504	1078648,015	1620,449	cer
992	1052173,621	1078642,229	1619,916	cer
993	1052173,082	1078641,977	1620,410	pn
994	1052171,401	1078640,836	1620,322	via
995	1052169,909	1078639,866	1620,171	via
996	1052169,481	1078639,628	1621,021	cer
997	1052174,855	1078632,047	1619,990	cer
998	1052175,733	1078633,041	1619,683	via
999	1052177,069	1078634,374	1619,661	via
1000	1052178,955	1078635,968	1619,658	via
1001	1052179,464	1078636,511	1619,123	cer
1002	1052187,796	1078629,147	1618,500	cer
1003	1052187,598	1078628,884	1619,020	pn
1004	1052187,030	1078628,260	1619,225	via
1005	1052186,024	1078627,155	1619,340	via
1006	1052184,805	1078625,884	1619,274	via
1007	1052184,314	1078625,012	1619,123	cer
1008	1052191,827	1078617,135	1620,244	cer
1009	1052191,988	1078617,358	1618,904	pn
1010	1052192,694	1078618,136	1618,917	via
1011	1052193,748	1078619,067	1618,926	via
1012	1052194,946	1078620,008	1618,957	via
1013	1052195,529	1078620,637	1619,317	cer
1014	1052203,472	1078611,115	1617,238	cer
1015	1052202,887	1078610,411	1617,033	pn
1016	1052202,413	1078609,933	1617,096	via
1017	1052201,602	1078609,114	1617,106	via
1018	1052200,603	1078608,393	1617,105	via
1019	1052199,918	1078607,725	1618,960	pn
1020	1052199,167	1078607,295	1617,186	cer
1021	1052207,490	1078596,408	1615,094	cer
1022	1052207,804	1078596,799	1615,188	pn
1023	1052208,228	1078597,432	1614,747	via
1024	1052208,879	1078597,778	1614,732	via
1025	1052209,851	1078598,724	1614,735	via
1026	1052210,899	1078599,950	1614,723	via
1027	1052211,861	1078600,868	1614,693	pn
1028	1052212,254	1078601,165	1614,984	cer
1029	1052218,475	1078595,203	1613,288	cer
1030	1052217,990	1078594,711	1612,691	pn
1031	1052217,502	1078593,944	1612,791	via
1032	1052216,798	1078592,820	1612,799	via
1033	1052215,775	1078591,375	1612,720	via
1034	1052215,517	1078590,749	1612,582	pn
1035	1052220,518	1078586,678	1611,660	cer
1036	1052220,685	1078587,522	1611,419	pn
1037	1052220,980	1078588,058	1611,347	via

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1038	1052221,877	1078589,432	1611,194	via
1039	1052222,959	1078591,358	1611,165	via
1040	1052223,379	1078592,054	1611,709	cer
1041	1052232,467	1078589,051	1608,711	cer
1042	1052232,359	1078588,311	1608,400	pn
1043	1052232,157	1078587,745	1608,570	via
1044	1052232,016	1078586,078	1608,445	via
1045	1052231,506	1078584,733	1608,583	via
1046	1052231,355	1078584,109	1608,597	pn
1047	1052231,131	1078583,444	1608,957	cer
1048	1052241,012	1078579,846	1606,816	cer
1049	1052241,188	1078580,099	1606,092	pn
1050	1052241,551	1078580,691	1606,835	pn
1051	1052242,597	1078582,282	1605,826	via
1052	1052243,472	1078583,464	1605,841	via
1053	1052243,903	1078584,143	1605,867	pn
1054	1052244,277	1078584,575	1606,084	cer
1055	1052251,232	1078579,337	1604,721	cer
1056	1052250,733	1078578,715	1604,321	pn
1057	1052250,291	1078578,293	1604,316	via
1058	1052249,115	1078577,310	1604,369	via
1059	1052248,166	1078576,383	1604,314	via
1060	1052247,494	1078575,555	1604,087	cer
1061	1052257,789	1078565,726	1602,909	cer
1062	1052258,270	1078566,240	1602,748	pn
1063	1052259,471	1078567,220	1602,701	via
1064	1052260,707	1078568,321	1602,688	via
1065	1052261,088	1078568,831	1602,601	pn
1066	1052261,194	1078568,995	1603,037	pn
1067	1052269,445	1078561,531	1601,582	cer
1068	1052269,022	1078560,953	1601,552	via
1069	1052268,241	1078559,954	1601,623	via
1070	1052267,397	1078558,913	1601,600	via
1071	1052266,946	1078557,714	1601,515	pn
1072	1052266,370	1078557,049	1601,531	cer
1073	1052273,819	1078550,075	1600,623	cer
1074	1052274,277	1078550,500	1600,625	pn
1075	1052274,874	1078550,974	1600,814	via
1076	1052275,919	1078551,868	1600,848	via
1077	1052277,056	1078552,809	1600,798	via
1078	1052277,600	1078553,295	1600,839	cer
1079	1052283,069	1078545,110	1600,673	cer
1080	1052282,459	1078544,676	1600,700	via
1081	1052282,335	1078544,445	1600,539	via
1082	1052281,260	1078543,726	1600,473	via
1083	1052279,639	1078542,918	1600,417	via
1084	1052278,875	1078542,642	1600,515	cer
1085	1052281,859	1078534,818	1599,272	cer
1086	1052283,139	1078535,256	1600,032	pn
1087	1052283,744	1078535,297	1600,083	via
1088	1052284,928	1078535,539	1600,100	via
1089	1052286,315	1078536,004	1600,188	via

1090	1052286,858	1078536,189	1600,204	cer
1091	1052287,655	1078529,685	1600,084	cer
1092	1052287,177	1078529,691	1599,859	via
1093	1052285,845	1078529,847	1599,696	via
1094	1052284,537	1078529,759	1599,929	via
1095	1052283,134	1078529,780	1599,766	cer
1096	1052282,528	1078529,731	1599,084	cer
1097	1052281,119	1078516,272	1598,913	cer
1098	1052281,358	1078516,266	1599,606	pn
1099	1052281,929	1078516,126	1599,445	via
1100	1052282,460	1078516,034	1599,490	via
1101	1052283,532	1078515,965	1599,475	via
1102	1052284,767	1078515,716	1599,442	via
1103	1052285,507	1078515,745	1599,405	pn
1104	1052286,044	1078515,668	1599,579	cer
1105	1052283,676	1078501,636	1598,853	cer
1106	1052283,348	1078501,779	1598,748	pn
1107	1052282,943	1078501,822	1598,516	pn
1108	1052282,570	1078501,703	1598,630	via
1109	1052281,351	1078501,547	1598,664	via
1110	1052279,830	1078501,764	1598,659	via
1111	1052278,786	1078501,770	1598,623	cer
1112	1052277,713	1078489,631	1598,330	cer
1113	1052278,611	1078489,570	1598,276	pn
1114	1052280,059	1078489,451	1598,166	via
1115	1052281,519	1078489,505	1598,109	via
1116	1052282,341	1078489,333	1598,207	pn
1117	1052282,526	1078489,396	1599,079	cer
1118	1052283,279	1078475,958	1597,940	cer
1119	1052283,182	1078475,838	1597,353	via
1120	1052281,497	1078475,628	1597,386	via
1121	1052280,094	1078475,228	1597,391	via
1122	1052279,394	1078474,989	1597,500	cer
1123	1052284,852	1078470,121	1597,717	cer
1124	1052284,743	1078470,176	1597,131	via
1125	1052284,307	1078469,770	1597,029	via
1126	1052283,081	1078469,244	1597,101	via
1127	1052281,666	1078468,753	1597,109	via
1128	1052280,874	1078468,625	1597,262	cer
1129	1052286,555	1078457,379	1596,375	cer
1130	1052287,002	1078457,951	1596,334	via
1131	1052288,617	1078456,843	1596,345	via
1132	1052289,598	1078459,534	1596,306	via
1133	1052289,903	1078460,171	1596,276	pn
1134	1052290,509	1078460,463	1597,484	cer
1135	1052296,101	1078452,865	1597,029	cer
1136	1052295,805	1078452,613	1596,144	pn
1137	1052295,225	1078452,118	1595,839	pn
1138	1052295,001	1078452,012	1595,860	via
1139	1052296,179	1078452,030	1596,064	via
1140	1052292,936	1078450,754	1595,859	via
1141	1052292,362	1078450,002	1595,791	pn

1142	1052291,868	1078449,810	1595,647	cer
1143	1052299,878	1078437,860	1595,537	cer
1144	1052300,501	1078438,244	1595,552	via
1145	1052302,180	1078439,022	1595,606	via
1146	1052303,146	1078439,592	1595,653	via
1147	1052303,426	1078439,801	1595,471	pn
1148	1052303,935	1078440,292	1597,371	pn
1149	1052303,837	1078440,102	1597,353	cer
1150	1052310,072	1078430,733	1597,124	cer
1151	1052309,790	1078430,627	1595,922	pn
1152	1052308,884	1078430,065	1595,068	pn
1153	1052308,908	1078429,880	1595,293	via
1154	1052308,019	1078429,225	1595,307	via
1155	1052306,917	1078428,685	1595,290	via
1156	1052306,170	1078427,995	1595,405	cer
1157	1052312,659	1078421,393	1594,987	cer
1158	1052313,261	1078421,774	1594,940	via
1159	1052313,791	1078422,661	1594,999	via
1160	1052314,623	1078423,834	1594,931	via
1161	1052314,779	1078424,029	1594,861	pn
1162	1052315,199	1078424,382	1595,549	pn
1163	1052316,006	1078424,571	1596,004	cer
1164	1052326,306	1078419,148	1595,680	cer
1165	1052325,855	1078417,831	1594,279	pn
1166	1052325,547	1078417,276	1594,291	via
1168	1052324,910	1078416,260	1594,215	via
1169	1052324,598	1078414,370	1594,498	cer
1170	1052325,367	1078416,156	1594,265	via
1171	1052340,076	1078413,567	1594,799	cer
1172	1052339,981	1078412,754	1592,847	pn
1173	1052339,696	1078412,195	1593,104	via
1174	1052339,362	1078410,975	1593,071	via
1175	1052338,908	1078409,502	1592,998	via
1176	1052338,658	1078408,715	1593,037	cer
1177	1052352,666	1078403,366	1591,926	cer
1178	1052352,856	1078403,892	1591,775	via
1179	1052353,477	1078404,912	1591,877	via
1180	1052354,008	1078406,092	1591,848	via
1181	1052354,037	1078406,710	1592,001	pn
1182	1052354,175	1078407,124	1593,320	pn
1183	1052364,403	1078401,455	1591,471	cer
1184	1052363,733	1078400,869	1591,300	pn
1185	1052363,494	1078400,475	1591,076	via
1186	1052362,715	1078399,158	1591,148	via
1187	1052361,629	1078397,855	1591,116	via
1188	1052360,912	1078396,837	1591,236	cer
1194	1052373,744	1078391,406	1589,893	cer
1195	1052378,585	1078385,286	1589,712	cer
1196	1052378,165	1078384,978	1589,257	pn
1197	1052377,548	1078384,478	1589,342	via
1198	1052376,676	1078383,657	1589,408	via
1199	1052375,172	1078382,570	1589,454	via

1200	1052374,531	1078382,032	1589,611	via
1201	1052374,604	1078396,022	1589,808	PN
1202	1052368,802	1078403,969	1581,343	PN
1203	1052374,093	1078390,667	1589,993	cer
1204	1052373,839	1078390,248	1589,795	via
1205	1052372,442	1078389,144	1589,941	via
1206	1052371,092	1078387,793	1589,866	via
1207	1052370,611	1078387,325	1589,992	cer
1208	1052376,733	1078379,386	1589,574	cer
1209	1052377,111	1078379,707	1588,185	pn
1210	1052377,486	1078379,931	1589,185	via
1211	1052378,691	1078380,840	1589,175	via
1212	1052379,811	1078381,567	1589,043	via
1213	1052380,384	1078381,902	1586,919	pn
1214	1052380,785	1078382,184	1588,856	cer
1215	1052386,558	1078372,157	1588,118	cer
1216	1052386,933	1078371,860	1588,499	pn
1217	1052385,476	1078371,521	1588,235	via
1218	1052384,367	1078370,869	1588,277	via
1219	1052382,897	1078370,086	1588,248	via
1220	1052382,336	1078369,706	1588,188	pn
1221	1052381,774	1078369,148	1588,822	cer
1222	1052385,400	1078358,861	1587,144	cer
1223	1052385,880	1078359,081	1587,239	pn
1224	1052385,932	1078359,145	1587,047	pn
1225	1052386,591	1078359,372	1587,078	via
1226	1052387,898	1078359,745	1587,100	via
1227	1052389,573	1078360,239	1587,062	via
1228	1052390,441	1078360,714	1587,157	pn
1229	1052390,871	1078360,928	1587,391	cer
1230	1052391,182	1078361,122	1586,851	cer
1231	1052394,783	1078354,760	1585,702	cer
1232	1052393,706	1078353,956	1586,145	pn
1233	1052393,285	1078353,654	1585,824	pn
1234	1052392,448	1078353,072	1585,967	via
1235	1052391,146	1078352,003	1586,001	via
1236	1052389,746	1078351,159	1586,043	via
1237	1052389,336	1078350,936	1586,100	pn
1238	1052388,124	1078349,867	1586,220	cer
1239	1052389,170	1078347,915	1586,174	cer
1240	1052391,734	1078348,637	1585,995	cer
1241	1052392,259	1078347,448	1585,375	pn
1242	1052392,880	1078348,206	1585,398	via
1243	1052394,104	1078349,993	1585,428	via
1244	1052395,067	1078351,694	1585,463	via
1245	1052395,780	1078352,730	1585,342	pn
1246	1052396,210	1078353,512	1585,347	cer
1247	1052399,108	1078354,386	1584,685	cer
1248	1052399,589	1078353,602	1584,273	via
1249	1052401,157	1078352,167	1584,052	via
1250	1052402,856	1078350,635	1583,892	via
1251	1052403,303	1078350,459	1583,455	cer

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1252	1052407,279	1078353,751	1583,047	cer
1253	1052405,985	1078355,420	1583,227	via
1254	1052405,191	1078356,638	1583,259	via
1255	1052404,838	1078357,087	1583,258	pn
1256	1052404,713	1078357,448	1583,816	cer
1257	1052402,594	1078347,576	1584,082	cer
1258	1052401,531	1078346,470	1584,112	pn
1259	1052401,089	1078346,085	1583,913	via
1260	1052399,750	1078344,140	1583,899	via
1261	1052398,786	1078342,821	1583,811	via
1262	1052398,429	1078342,046	1583,882	pn
1263	1052398,374	1078341,408	1584,169	cer
1264	1052406,025	1078335,285	1582,399	cer
1265	1052406,332	1078335,861	1581,889	pn
1266	1052406,790	1078336,591	1581,825	via
1267	1052408,029	1078338,193	1581,840	via
1268	1052408,633	1078339,476	1581,819	via
1269	1052409,210	1078340,768	1581,720	pn
1270	1052409,656	1078341,286	1582,122	cer
1271	1052417,034	1078336,555	1580,867	cer
1272	1052416,673	1078335,716	1580,380	pn
1273	1052415,770	1078334,040	1580,390	cer
1274	1052415,224	1078332,636	1580,351	via
1275	1052414,351	1078330,640	1580,276	pn
1277	1052426,029	1078324,478	1579,079	cer
1278	1052426,496	1078325,226	1579,364	pn
1279	1052426,811	1078325,737	1579,201	via
1280	1052427,649	1078326,878	1579,188	via
1281	1052428,781	1078326,536	1579,285	via
1282	1052428,906	1078328,947	1579,479	pn
1283	1052429,297	1078329,496	1579,310	cer
1284	1052429,624	1078329,219	1579,571	cer
1285	1052441,173	1078319,864	1578,297	cer
1286	1052440,522	1078319,492	1578,418	pn
1287	1052440,340	1078319,307	1578,304	via
1288	1052439,356	1078318,003	1578,181	via
1289	1052438,306	1078316,551	1578,226	via
1290	1052438,037	1078316,286	1578,556	pn
1291	1052437,665	1078315,857	1578,619	cer
1292	1052448,346	1078305,788	1576,818	cer
1293	1052448,782	1078306,264	1576,333	pn
1294	1052449,137	1078306,704	1576,160	via
1295	1052449,867	1078307,504	1576,280	via
1296	1052450,611	1078308,377	1576,315	via
1297	1052451,297	1078309,013	1576,514	pn
1298	1052451,791	1078309,568	1577,016	cer
1299	1052458,032	1078304,562	1575,762	cer
1300	1052457,622	1078304,155	1575,475	pn
1301	1052457,333	1078303,737	1574,970	pn
1302	1052456,891	1078303,033	1574,820	via
1303	1052456,410	1078301,514	1574,660	via
1304	1052455,541	1078300,223	1574,630	via

1305	1052455,147	1078299,648	1575,237	cer
1306	1052463,040	1078294,897	1572,560	cer
1307	1052463,337	1078295,867	1572,404	via
1308	1052464,152	1078296,950	1572,335	via
1309	1052464,947	1078298,399	1572,329	via
1310	1052465,228	1078298,877	1572,440	pn
1311	1052465,473	1078299,710	1572,807	pn
1312	1052465,832	1078300,196	1572,846	cer
1313	1052473,021	1078297,242	1570,492	cer
1314	1052473,094	1078297,285	1570,498	cer
1315	1052472,622	1078296,216	1570,268	pn
1316	1052471,895	1078295,178	1570,072	via
1317	1052471,478	1078294,556	1570,092	via
1318	1052470,843	1078293,125	1570,080	via
1319	1052470,352	1078291,954	1570,078	via
1320	1052470,041	1078291,442	1570,245	pn
1321	1052469,947	1078291,033	1570,519	cer
1322	1052477,202	1078288,165	1568,027	cer
1323	1052477,279	1078288,477	1567,908	pn
1324	1052477,513	1078288,952	1567,858	via
1325	1052477,912	1078290,200	1567,800	via
1326	1052478,487	1078291,639	1567,842	via
1327	1052478,877	1078292,613	1568,026	pn
1328	1052479,419	1078293,101	1568,703	pn
1329	1052479,942	1078293,725	1569,100	cer
1330	1052490,031	1078290,253	1566,049	cer
1331	1052489,679	1078289,273	1564,890	pn
1332	1052489,407	1078287,910	1564,976	via
1333	1052489,087	1078286,845	1564,894	via
1334	1052488,786	1078285,350	1564,790	via
1335	1052488,559	1078284,787	1565,040	pn
1336	1052494,377	1078281,743	1563,194	cer
1337	1052494,710	1078282,432	1563,454	via
1338	1052495,866	1078283,800	1563,509	via
1339	1052495,998	1078284,841	1563,691	via
1340	1052495,231	1078283,839	1563,587	via
1341	1052493,625	1078281,496	1562,947	cer
1342	1052497,115	1078285,813	1563,469	pn
1343	1052497,383	1078286,274	1563,541	cer
1344	1052502,410	1078281,474	1562,978	cer
1345	1052502,021	1078280,667	1562,562	pn
1346	1052501,256	1078279,788	1562,657	via
1347	1052500,407	1078278,999	1562,701	via
1348	1052499,532	1078277,911	1562,693	via
1349	1052498,774	1078277,099	1562,554	cer
1350	1052505,057	1078267,955	1561,844	cer
1351	1052506,439	1078267,851	1562,137	via
1352	1052506,912	1078268,701	1562,234	via
1353	1052507,852	1078269,479	1562,225	via
1354	1052508,957	1078270,715	1561,944	pn
1355	1052509,470	1078270,704	1562,347	cer
1356	1052515,245	1078259,374	1562,390	cer

1357	1052514,680	1078259,145	1561,868	pn
1358	1052514,257	1078259,046	1562,083	via
1359	1052513,078	1078258,344	1562,026	via
1360	1052512,170	1078257,861	1562,068	via
1361	1052511,385	1078257,436	1562,015	pn
1362	1052510,869	1078257,167	1561,845	cer
1363	1052517,226	1078243,967	1560,612	cer
1364	1052517,178	1078244,036	1560,606	cer
1365	1052517,153	1078243,703	1560,836	pn
1366	1052518,113	1078243,966	1560,789	via
1367	1052518,973	1078244,570	1560,794	via
1368	1052520,141	1078244,789	1560,671	via
1369	1052520,847	1078245,103	1560,572	pn
1370	1052527,973	1078235,597	1559,594	cer
1371	1052527,605	1078235,352	1559,190	pn
1372	1052527,640	1078235,389	1559,199	pn
1373	1052527,025	1078235,001	1558,580	via
1374	1052526,258	1078233,704	1559,231	via
1375	1052525,213	1078232,796	1559,276	via
1376	1052524,345	1078231,848	1559,298	pn
1377	1052523,004	1078231,007	1558,610	pn
1378	1052536,841	1078220,630	1558,221	pn
1379	1052537,489	1078221,308	1558,463	via
1380	1052537,908	1078221,750	1558,458	via
1381	1052538,618	1078222,720	1558,448	via
1382	1052539,155	1078223,443	1558,398	via
1383	1052539,409	1078224,183	1558,281	pn
1384	1052539,678	1078224,528	1558,523	cer
1385	1052551,550	1078214,085	1558,056	cer
1386	1052551,141	1078213,767	1557,782	pn
1387	1052550,917	1078213,487	1557,771	via
1388	1052550,363	1078212,770	1557,812	via
1389	1052549,632	1078211,948	1557,841	via
1390	1052549,308	1078211,482	1557,846	pn
1391	1052549,094	1078211,143	1558,072	cer
1392	1052560,007	1078198,028	1557,238	cer
1393	1052560,216	1078198,188	1557,059	pn
1394	1052560,607	1078198,700	1557,069	via
1395	1052561,797	1078199,319	1557,067	via
1396	1052562,954	1078200,062	1557,020	via
1397	1052563,242	1078200,278	1557,161	pn
1398	1052563,523	1078200,416	1557,230	cer
1399	1052572,158	1078187,666	1556,235	cer
1400	1052571,781	1078187,412	1556,019	pn
1401	1052571,510	1078187,280	1556,021	via
1402	1052570,655	1078186,563	1556,047	via
1403	1052569,780	1078185,908	1556,054	via
1404	1052569,345	1078185,566	1556,181	pn
1405	1052568,982	1078185,351	1556,433	cer
1406	1052576,937	1078173,415	1554,575	cer
1407	1052577,342	1078173,616	1554,373	pn
1408	1052577,590	1078174,184	1554,282	via

1409	1052578,354	1078174,717	1554,301	via
1410	1052579,140	1078175,095	1554,305	via
1411	1052579,903	1078175,597	1554,638	cer
1412	1052588,487	1078161,779	1553,142	cer
1413	1052588,015	1078161,559	1552,988	pn
1414	1052587,026	1078160,520	1552,992	via
1415	1052586,244	1078159,808	1552,995	via
1416	1052585,853	1078159,457	1553,013	pn
1417	1052585,509	1078159,149	1553,154	cer
1418	1052595,028	1078147,260	1551,918	cer
1419	1052595,284	1078147,543	1551,700	pn
1420	1052595,822	1078148,009	1551,674	via
1421	1052596,643	1078148,759	1551,677	via
1422	1052597,369	1078149,514	1551,701	via
1423	1052598,101	1078149,934	1551,828	cer
1424	1052609,091	1078137,444	1550,519	cer
1425	1052608,674	1078137,116	1550,464	pn
1426	1052608,353	1078136,792	1550,519	via
1427	1052607,862	1078136,181	1550,519	via
1428	1052607,171	1078135,409	1550,547	via
1429	1052606,308	1078134,795	1550,681	pn
1430	1052605,749	1078134,201	1551,021	cer
1431	1052618,769	1078127,281	1549,328	cer
1432	1052618,187	1078126,834	1549,222	pn
1433	1052617,556	1078125,983	1549,191	via
1434	1052616,680	1078125,094	1549,168	via
1435	1052616,333	1078124,482	1549,220	pn
1436	1052616,013	1078124,109	1549,978	cer
1437	1052625,831	1078112,589	1547,771	cer
1438	1052625,956	1078112,681	1547,080	pn
1439	1052626,392	1078113,076	1546,953	via
1440	1052627,172	1078113,563	1546,943	via
1441	1052627,724	1078113,876	1546,928	via
1442	1052628,424	1078114,323	1546,939	pn
1443	1052628,950	1078114,840	1547,194	cer
1444	1052635,345	1078100,475	1544,932	cer
1445	1052634,809	1078100,331	1544,866	pn
1446	1052634,496	1078100,158	1544,872	via
1447	1052633,661	1078099,603	1544,826	via
1448	1052632,599	1078099,061	1544,801	via
1449	1052632,134	1078098,734	1544,742	pn
1450	1052631,847	1078098,618	1544,757	cer
1451	1052637,661	1078083,743	1542,384	gas,p
1452	1052642,692	1078086,335	1542,319	cer
1453	1052642,468	1078086,013	1542,199	pn
1454	1052642,183	1078085,772	1541,811	pn
1455	1052641,620	1078085,514	1541,821	via
1456	1052640,756	1078084,865	1541,702	via
1457	1052639,769	1078083,588	1541,028	via
1458	1052638,856	1078082,925	1540,938	pn
1459	1052638,149	1078082,507	1541,463	cer
1461	1052646,775	1078071,546	1539,842	pn

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1463	1052647,555	1078073,091	1538,947	via
1464	1052648,634	1078073,928	1538,868	via
1465	1052649,708	1078074,759	1538,974	via
1466	1052650,133	1078075,260	1539,088	pn
1467	1052650,593	1078075,416	1539,628	cer
1469	1052646,831	1078072,779	1539,118	pn
1470	1052646,074	1078072,004	1540,237	cer
1474	1052658,823	1078064,568	1536,716	cer
1475	1052658,201	1078064,355	1536,414	pn
1476	1052657,859	1078064,169	1536,368	via
1477	1052657,246	1078063,502	1536,408	via
1478	1052656,583	1078062,983	1536,471	via
1479	1052654,977	1078062,170	1536,766	pn
1480	1052654,331	1078061,246	1537,736	cer
1481	1052668,197	1078047,888	1533,953	cer
1482	1052668,746	1078048,863	1533,696	pn
1483	1052668,996	1078049,214	1533,463	via
1484	1052669,757	1078050,130	1533,486	via
1485	1052670,707	1078051,100	1533,459	via
1486	1052671,391	1078051,461	1533,524	pn
1487	1052671,482	1078051,673	1533,975	pn
1488	1052671,833	1078051,976	1534,065	cer
1489	1052677,993	1078042,065	1532,597	cer
1490	1052678,234	1078042,607	1532,468	pn
1491	1052678,770	1078043,230	1532,029	via
1492	1052679,314	1078044,178	1532,097	via
1493	1052680,069	1078045,132	1532,170	via
1494	1052680,581	1078045,444	1532,247	pn
1495	1052680,698	1078045,595	1532,715	cer
1496	1052683,558	1078036,199	1531,703	cer
1497	1052684,386	1078036,973	1531,301	via
1498	1052685,536	1078037,860	1531,344	via
1499	1052686,484	1078038,132	1531,331	via
1500	1052686,989	1078038,485	1531,447	pn
1501	1052687,524	1078038,814	1531,900	cer
1502	1052692,575	1078028,107	1531,012	cer
1503	1052692,300	1078027,985	1530,112	pn
1504	1052691,847	1078027,759	1530,090	via
1505	1052690,855	1078027,388	1530,053	via
1506	1052689,926	1078026,935	1530,106	via
1507	1052689,236	1078026,357	1530,247	pn
1508	1052688,815	1078025,912	1530,544	cer
1509	1052693,380	1078016,661	1528,295	cer
1510	1052694,648	1078016,256	1528,135	pn
1511	1052695,162	1078016,680	1528,062	via
1512	1052696,033	1078017,338	1528,148	via
1513	1052697,094	1078018,089	1528,169	via
1514	1052697,426	1078018,126	1528,188	pn
1515	1052697,815	1078018,300	1529,146	cer
1516	1052705,505	1078008,150	1526,604	cer
1517	1052705,159	1078007,901	1525,819	pn
1518	1052704,678	1078007,489	1525,832	via

1520	1052703,762	1078006,750	1525,703	via
1521	1052702,699	1078005,673	1525,956	via
1522	1052702,388	1078005,473	1525,947	pn
1523	1052701,646	1078004,519	1525,712	cer
1524	1052713,290	1077995,717	1523,953	pn
1525	1052713,591	1077996,561	1523,735	pn
1526	1052713,939	1077997,097	1523,696	via
1527	1052714,852	1077997,915	1523,812	via
1528	1052715,396	1077999,148	1523,901	via
1529	1052715,454	1077998,716	1523,930	pn
1530	1052715,758	1078000,008	1524,832	cer
1531	1052728,684	1077991,297	1521,721	cer
1532	1052728,217	1077990,949	1521,365	pn
1533	1052727,532	1077990,057	1521,025	via
1534	1052727,508	1077989,272	1521,320	via
1535	1052726,857	1077988,314	1521,223	via
1536	1052725,997	1077987,217	1521,172	via
1537	1052724,917	1077985,424	1521,130	pn
1538	1052739,543	1077978,709	1517,948	via
1539	1052740,780	1077977,122	1517,598	via
1540	1052742,771	1077975,784	1516,925	via
1541	1052744,701	1077976,892	1516,576	via
1542	1052744,137	1077980,193	1515,886	via
1543	1052743,264	1077983,374	1515,662	via
1544	1052745,653	1077983,893	1515,727	via
1545	1052746,466	1077980,400	1516,081	via
1546	1052744,423	1077973,668	1516,493	via
1547	1052747,455	1077974,787	1516,430	via
1548	1052747,932	1077971,581	1515,919	via
1549	1052749,784	1077971,878	1515,891	pn
1550	1052750,694	1077971,913	1515,591	cer
1551	1052746,694	1077970,560	1515,856	via
1552	1052744,541	1077969,704	1515,858	via
1553	1052743,143	1077968,878	1515,793	pn
1554	1052742,318	1077968,260	1515,474	pn
1555	1052741,854	1077967,384	1516,751	pn
1556	1052743,878	1077974,922	1516,705	via
1557	1052742,793	1077973,843	1516,698	via
1558	1052741,734	1077972,681	1516,680	via
1559	1052740,474	1077971,810	1516,660	pn
1560	1052739,591	1077970,813	1516,965	pn
1561	1052738,606	1077970,027	1516,938	pn
1562	1052751,557	1077952,076	1512,756	que
1563	1052750,031	1077951,318	1512,996	que
1572	1052753,640	1077951,979	1512,785	via
1574	1052753,220	1077955,405	1512,886	placa
1575	1052749,181	1077957,182	1512,833	via
1576	1052750,912	1077956,139	1512,763	via
1577	1052749,950	1077960,138	1513,175	via
1578	1052748,073	1077960,368	1513,585	via
1579	1052751,604	1077960,416	1513,407	via
1656	1052745,689	1077949,057	1514,263	cultivo

1658	1052745,926	1077963,740	1513,036	que
1659	1052746,183	1077956,467	1512,873	que
1660	1052746,444	1077956,512	1513,848	pn
1662	1052746,232	1077959,893	1512,502	pn
1663	1052746,477	1077959,647	1513,668	pn
1664	1052739,041	1077984,464	1520,819	pn
1665	1052733,972	1077988,328	1521,475	pn
1666	1052729,461	1077993,149	1522,196	pn
1667	1052722,600	1077999,320	1524,266	pn
1668	1052715,331	1078002,769	1525,990	pn
1669	1052710,395	1078008,865	1527,887	pn
1670	1052705,736	1078014,061	1529,034	pn
1671	1052702,843	1078019,161	1530,740	pn
1672	1052697,897	1078028,950	1532,127	pn
1673	1052692,688	1078036,801	1532,408	pn
1674	1052683,344	1078046,660	1533,069	pn
1675	1052675,613	1078054,271	1533,978	pn
1676	1052672,814	1078059,690	1534,795	pn
1677	1052666,490	1078062,172	1535,750	pn
1678	1052665,784	1078063,001	1536,088	pn
1679	1052660,101	1078070,743	1537,805	pn
1680	1052653,379	1078080,701	1540,757	pn
1681	1052645,798	1078089,010	1541,855	pn
1682	1052640,614	1078099,856	1545,005	pn
1683	1052637,401	1078109,971	1545,489	pn
1684	1052630,901	1078118,963	1546,825	pn
1685	1052623,179	1078127,456	1548,186	pn
1686	1052615,397	1078134,599	1549,139	pn
1687	1052609,868	1078141,978	1549,666	pn
1688	1052603,987	1078150,448	1550,331	pn
1689	1052597,268	1078158,163	1551,829	pn
1690	1052590,436	1078166,070	1553,160	pn
1691	1052584,239	1078180,158	1554,736	pn
1692	1052578,041	1078187,477	1555,532	pn
1693	1052570,379	1078195,486	1555,915	pn
1694	1052563,900	1078205,928	1557,140	pn
1695	1052556,632	1078215,612	1557,821	pn
1696	1052548,911	1078224,710	1558,166	pn
1697	1052538,643	1078234,653	1559,343	pn
1698	1052528,654	1078245,509	1560,665	pn
1699	1052522,327	1078255,450	1562,001	pn
1700	1052517,945	1078265,394	1562,917	pn
1701	1052510,058	1078275,881	1563,174	pn
1702	1052508,248	1078285,036	1563,662	pn
1703	1052501,557	1078292,994	1565,198	pn
1704	1052489,062	1078294,206	1567,377	pn
1705	1052481,356	1078296,022	1569,057	pn
1706	1052472,387	1078302,871	1571,875	pn
1707	1052464,441	1078308,366	1573,791	pn
1708	1052457,796	1078312,660	1575,447	pn
1709	1052449,252	1078318,514	1576,777	pn
1710	1052439,206	1078327,173	1578,490	pn

1711	1052429,155	1078336,954	1580,201	pn
1712	1052417,478	1078340,630	1581,094	pn
1713	1052408,551	1078347,179	1582,396	pn
1714	1052405,947	1078350,721	1582,819	pn
1715	1052398,237	1078356,353	1584,699	pn
1716	1052395,018	1078365,709	1586,297	pn
1717	1052390,604	1078375,014	1588,002	pn
1718	1052385,304	1078384,468	1588,684	pn
1719	1052380,673	1078388,424	1589,101	pn
1720	1052375,639	1078377,129	1589,535	pn
1721	1052370,305	1078383,046	1588,988	pn
1722	1052367,245	1078387,328	1589,056	pn
1723	1052382,026	1078391,590	1588,769	pn
1724	1052356,121	1078396,712	1588,949	pn
1725	1052353,291	1078400,253	1590,320	pn
1726	1052346,584	1078402,696	1590,169	pn
1727	1052340,611	1078404,843	1590,161	pn
1728	1052328,085	1078409,319	1590,748	pn
1729	1052321,154	1078413,151	1591,790	pn
1730	1052312,073	1078415,322	1591,801	pn
1731	1052305,411	1078423,616	1593,694	pn
1732	1052301,100	1078429,176	1593,009	rancho
1733	1052298,966	1078427,645	1592,651	rancho
1734	1052297,288	1078436,167	1593,090	rancho
1735	1052289,413	1078445,310	1592,916	pn
1736	1052283,378	1078452,495	1593,860	pn
1737	1052281,963	1078456,387	1594,691	pn
1738	1052281,928	1078458,911	1594,855	pn
1739	1052281,927	1078456,944	1594,843	pn
1740	1052278,357	1078468,106	1594,918	pn
1741	1052275,748	1078477,689	1595,886	pn
1742	1052274,158	1078488,947	1596,481	pn
1743	1052275,403	1078500,533	1596,194	pn
1744	1052277,431	1078509,981	1597,469	pn
1745	1052278,931	1078520,301	1598,325	pn
1746	1052282,344	1078529,911	1598,691	pn
1747	1052278,471	1078529,334	1598,287	pn
1748	1052274,781	1078539,458	1598,328	pn
1749	1052278,295	1078542,177	1599,236	pn
1750	1052270,148	1078551,625	1599,448	pn
1751	1052266,352	1078549,307	1599,035	pn
1752	1052259,723	1078560,326	1600,080	pn
1753	1052254,575	1078557,632	1599,585	pn
1754	1052248,132	1078567,530	1601,322	pn
1755	1052250,971	1078571,021	1602,336	pn
1756	1052245,117	1078576,786	1604,055	pn
1757	1052239,742	1078573,495	1603,539	pn
1758	1052230,410	1078577,914	1607,404	pn
1759	1052216,821	1078584,477	1611,675	pn
1760	1052208,372	1078590,739	1613,413	pn
1761	1052205,712	1078594,032	1613,515	pn
1762	1052200,603	1078601,533	1614,524	pn

1783	1052194,641	1078607,126	1616,147	pn
1784	1052189,173	1078611,456	1618,203	pn
1785	1052187,782	1078614,256	1617,600	pn
1786	1052186,943	1078617,352	1617,266	pn
1787	1052184,124	1078622,087	1617,152	pn
1788	1052178,252	1078626,974	1618,192	pn
1789	1052172,201	1078629,580	1621,702	pn
1770	1052173,715	1078628,832	1620,491	pn
1771	1052170,304	1078631,002	1622,306	pn
1772	1052164,423	1078639,527	1622,493	pn
1773	1052160,291	1078647,337	1623,520	pn
1774	1052159,064	1078652,697	1624,550	pn
1775	1052156,856	1078658,842	1626,081	pn
1776	1052154,192	1078662,774	1627,138	pn
1777	1052148,241	1078660,292	1627,875	pn
1778	1052142,538	1078655,428	1627,734	pn
1779	1052133,196	1078652,584	1626,737	pn
1780	1052132,921	1078652,328	1626,716	pn
1781	1052125,064	1078652,188	1624,951	pn
1782	1052117,404	1078657,464	1623,651	pn
1783	1052115,893	1078666,637	1623,781	pn
1784	1052113,310	1078666,714	1623,069	pn
1785	1052113,724	1078674,527	1623,867	pn
1786	1052109,802	1078674,400	1622,381	pn
1787	1052105,925	1078684,673	1622,287	pn
1788	1052109,026	1078686,403	1623,481	pn
1789	1052101,344	1078696,756	1623,838	pn
1790	1052096,868	1078694,137	1622,730	pn
1791	1052090,461	1078698,774	1623,716	pn
1792	1052082,897	1078704,096	1625,160	pn
1793	1052071,976	1078706,375	1625,539	pn
1794	1052072,535	1078710,373	1626,775	pn
1795	1052056,560	1078713,408	1627,505	pn
1796	1052053,600	1078708,578	1626,023	pn
1797	1052039,057	1078708,783	1627,321	pn
1798	1052029,912	1078710,873	1629,345	pn
1799	1052029,648	1078713,954	1630,515	pn
1800	1052016,211	1078713,019	1632,700	pn
1801	1052003,397	1078717,507	1632,892	pn
1802	1051992,391	1078722,618	1633,152	pn
1803	1051991,795	1078722,650	1633,066	pn
1804	1051981,786	1078725,577	1633,220	pn
1805	1051971,461	1078728,500	1632,758	pn
1806	1051962,095	1078732,168	1633,947	pn
1807	1051951,780	1078736,711	1636,318	pn
1808	1051942,897	1078740,548	1638,662	pn
1809	1051935,974	1078746,322	1639,682	pn
1810	1051925,480	1078753,761	1639,749	pn
1811	1051915,644	1078760,713	1642,066	pn
1812	1051909,440	1078764,350	1643,958	pn
1813	1051902,265	1078767,435	1644,340	pn
1814	1051897,186	1078772,460	1644,535	pn

1815	1051889,735	1078782,205	1644,907	pn
1816	1051882,252	1078792,089	1648,455	pn
1817	1051876,165	1078804,882	1646,425	pn
1818	1051870,081	1078812,818	1648,795	pn
1819	1051868,434	1078815,872	1648,513	pn
1820	1051868,304	1078816,589	1649,176	pn
1821	1051861,518	1078824,174	1648,948	pn
1822	1051854,615	1078833,214	1650,408	pn
1823	1051847,518	1078839,880	1649,329	pn
1824	1051839,421	1078852,028	1650,206	pn
1825	1051833,081	1078859,751	1651,911	pn
1826	1051824,653	1078872,604	1653,838	pn
1827	1052825,746	1079050,120	1790,258	##########
1828	1052792,483	1079037,522	1795,306	BASE
1829	1052364,286	1078408,927	1592,736	PN
1830	1052825,746	1079050,120	1790,258	##########
1950	1052364,211	1078408,906	1592,719	PN
1952	1051554,421	1079281,975	1721,737	via
1953	1051557,324	1079279,973	1720,135	pn
1954	1051557,411	1079279,990	1720,372	pn
1955	1051561,787	1079274,987	1719,083	pn
1956	1051565,739	1079268,560	1717,265	pn
1957	1051569,740	1079263,671	1715,705	pn
1958	1051573,240	1079256,540	1713,609	pn
1959	1051576,633	1079252,109	1712,303	pn
1960	1051581,106	1079246,158	1710,612	pn
1961	1051586,329	1079243,075	1710,700	pn
1962	1051589,873	1079238,080	1710,923	pn
1963	1051597,233	1079232,914	1710,239	pn
1964	1051603,989	1079225,248	1708,374	pn
1965	1051605,867	1079221,907	1707,993	pn
1966	1051613,706	1079211,125	1705,151	pn
1967	1051621,558	1079200,274	1703,513	pn
1968	1051626,868	1079191,543	1703,185	pn
1969	1051632,485	1079184,822	1702,139	pn
1970	1051633,768	1079178,115	1700,225	pn
1971	1051643,046	1079171,563	1698,447	pn
1972	1051650,437	1079163,452	1698,406	pn
1973	1051659,180	1079155,647	1697,951	pn
1974	1051663,942	1079150,006	1696,113	pn
1975	1051663,912	1079149,418	1696,111	pn
1976	1051666,410	1079147,413	1695,078	pn
1977	1051665,764	1079146,524	1694,623	pn
1978	1051666,217	1079145,518	1693,423	pn
1979	1051671,285	1079141,117	1692,849	pn
1980	1051676,227	1079137,070	1691,057	pn
1981	1051685,282	1079127,426	1689,695	pn
1982	1051688,346	1079117,286	1688,129	pn
1983	1051691,152	1079110,279	1688,139	pn
1984	1051693,420	1079101,271	1687,983	pn
1985	1051697,751	1079098,320	1687,204	pn
1986	1051700,525	1079086,333	1687,457	pn

1987	1051703,750	1079075,405	1687,391	pn
1988	1051709,711	1079064,460	1686,667	pn
1989	1051716,952	1079055,799	1685,976	pn
1990	1051723,610	1079047,385	1684,971	pn
1991	1051731,627	1079039,279	1683,583	pn
1992	1051737,211	1079029,512	1682,569	pn
1993	1051740,967	1079019,261	1681,364	pn
1994	1051743,588	1079009,902	1679,314	pn
1995	1051750,030	1079002,046	1678,256	pn
1996	1051756,346	1078993,315	1675,993	pn
1997	1051764,510	1078989,021	1673,992	pn
1998	1051772,606	1078983,286	1672,023	pn
1999	1051780,373	1078975,890	1669,889	pn
2000	1051786,607	1078967,468	1666,571	pn
2001	1051794,645	1078960,107	1663,391	pn
2002	1051798,810	1078950,801	1660,914	pn
2003	1051804,491	1078941,976	1659,874	pn
2004	1051809,523	1078932,904	1659,413	pn
2005	1051803,848	1078929,506	1658,455	casa
2007	1051821,783	1078924,277	1659,581	casa
2008	1051812,391	1078917,574	1658,769	casa
2009	1051822,734	1078917,513	1659,569	pn
2010	1051828,678	1078911,972	1659,668	pn
2011	1051825,561	1078910,392	1659,378	pn
2012	1051829,450	1078902,483	1658,763	pn
2013	1051832,436	1078904,037	1658,576	pn
2014	1051839,717	1078895,002	1658,772	pn
2015	1051835,657	1078891,835	1658,231	pn
2016	1051845,671	1078890,473	1657,929	corral
2017	1051847,543	1078885,840	1657,181	corral
2018	1051846,536	1078883,374	1656,834	corral
2019	1051841,616	1078879,985	1656,386	corral
2020	1051839,543	1078885,374	1657,196	corral
2021	1051831,238	1078881,926	1656,194	corral
2022	1051833,364	1078876,515	1655,749	corral
2023	1051826,139	1078877,725	1655,017	casa
2024	1051827,741	1078875,295	1654,886	casa
2025	1052384,704	1078385,007	1588,749	PN
2026	1052357,047	1078413,120	1594,653	PN
2027	1052348,783	1078415,357	1595,919	PN
2028	1052341,755	1078418,493	1597,439	PN
2029	1052332,861	1078423,118	1598,690	PN
2030	1052324,685	1078426,854	1598,668	PN
2031	1052319,268	1078431,453	1598,802	PN
2032	1052314,573	1078434,040	1598,526	PN
2033	1052311,028	1078440,039	1598,929	PN
2034	1052307,104	1078446,492	1599,062	PN
2035	1052302,439	1078454,421	1598,919	PN
2036	1052297,848	1078462,012	1599,191	PN
2037	1052293,193	1078468,032	1599,486	PN
2038	1052290,221	1078476,031	1599,801	PN
2039	1052290,213	1078476,034	1599,793	PN

2040	1052289,372	1078485,060	1600,079	PN
2041	1052289,469	1078491,989	1600,604	PN
2042	1052291,868	1078499,859	1600,615	PN
2043	1052293,457	1078507,700	1600,320	PN
2044	1052294,331	1078516,238	1599,888	PN
2045	1052294,159	1078523,544	1599,772	PN
2046	1052292,867	1078530,720	1599,693	PN
2047	1052291,286	1078538,226	1599,692	PN
2048	1052288,427	1078546,241	1599,559	PN
2049	1052284,176	1078553,580	1599,924	PN
2050	1052279,722	1078559,985	1600,823	PN
2051	1052273,415	1078568,489	1602,411	PN
2052	1052268,363	1078574,637	1602,976	PN
2053	1052262,559	1078579,415	1603,726	PN
2054	1052256,685	1078583,868	1604,940	PN
2055	1052250,908	1078588,571	1606,600	PN
2056	1052243,670	1078591,955	1607,941	PN
2057	1052236,951	1078594,624	1608,690	PN
2058	1052229,634	1078596,228	1610,283	PN
2059	1052224,056	1078599,472	1612,228	PN
2060	1052217,767	1078603,302	1614,449	PN
2061	1052215,320	1078605,813	1614,569	PN
2062	1052210,560	1078613,035	1615,041	PN
2063	1052204,758	1078620,934	1615,486	PN
2064	1052196,507	1078627,817	1616,377	PN
2065	1052190,604	1078634,254	1617,449	PN
2066	1052186,542	1078637,212	1618,324	PN
2067	1052180,676	1078641,551	1618,682	PN
2068	1052176,030	1078648,062	1618,832	PN
2069	1052172,611	1078655,301	1619,655	PN
2070	1052170,211	1078664,696	1621,040	PN
2071	1052166,448	1078672,753	1622,271	PN
2072	1052164,866	1078677,472	1622,661	PN
2073	1052160,156	1078678,798	1624,505	VIA
2074	1052159,335	1078680,695	1624,526	VIA
2075	1052158,229	1078682,247	1624,392	VIA
2076	1052155,272	1078684,310	1624,651	PN
2077	1052149,973	1078679,820	1626,702	PN
2078	1052144,566	1078674,801	1627,908	PN
2079	1052139,318	1078670,053	1628,447	PN
2080	1052133,207	1078666,082	1628,408	PN
2081	1052133,250	1078666,068	1628,403	PN
2082	1052128,099	1078664,374	1627,386	PN
2083	1052125,158	1078670,844	1627,134	PN
2084	1052122,356	1078677,787	1626,986	PN
2085	1052119,817	1078683,774	1626,698	PN
2086	1052116,891	1078690,554	1626,720	PN
2087	1052113,247	1078697,684	1626,783	PN
2088	1052105,291	1078704,191	1627,178	PN
2089	1052101,802	1078710,157	1627,756	PN
2090	1052093,979	1078715,850	1629,468	PN
2091	1052092,137	1078715,866	1629,516	PN

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2092	1052083,817	1078719,863	1631,103	PN
2093	1052075,347	1078722,678	1631,423	PN
2094	1052067,311	1078724,345	1631,314	PN
2095	1052057,512	1078725,982	1631,814	PN
2096	1052047,750	1078726,189	1632,475	PN
2097	1052039,414	1078726,423	1633,387	PN
2098	1052030,017	1078726,586	1634,372	PN
2099	1052021,341	1078727,655	1634,988	PN
2100	1052011,293	1078730,415	1635,721	PN
2101	1051994,739	1078734,532	1635,869	PN
2102	1051986,417	1078736,640	1635,723	PN
2103	1051986,421	1078736,717	1635,742	PN
2104	1051977,918	1078739,672	1636,498	PN
2105	1051968,251	1078742,876	1637,132	PN
2106	1051959,635	1078746,109	1637,448	PN
2107	1051951,992	1078750,839	1639,543	PN
2108	1051945,151	1078756,025	1641,833	PN
2109	1051938,900	1078761,735	1643,718	PN
2110	1051932,786	1078765,340	1644,665	PN
2111	1051921,435	1078770,596	1645,298	PN
2112	1051919,088	1078772,760	1645,448	PN
2113	1051912,782	1078775,730	1645,462	PN
2114	1051905,840	1078782,415	1646,120	PN
2115	1051900,008	1078790,594	1648,997	PN
2116	1051895,195	1078796,369	1648,283	PN
2117	1051890,524	1078806,418	1649,433	PN
2118	1051885,446	1078814,158	1650,197	PN
2119	1051879,462	1078821,244	1650,789	PN
2120	1051871,421	1078831,930	1651,618	PN
2121	1051866,604	1078839,158	1652,313	PN
2122	1051859,779	1078847,903	1652,852	PN
2123	1051852,306	1078857,661	1653,536	PN
2124	1051848,690	1078864,704	1654,218	PN
2125	1051854,167	1078871,826	1655,300	PN
2126	1051860,929	1078875,718	1655,688	PN
2127	1051866,759	1078881,263	1656,256	PN
2128	1051866,405	1078886,111	1656,931	PN
2129	1051859,109	1078891,951	1657,651	PN
2130	1051851,304	1078899,651	1658,649	PN
2131	1051845,291	1078905,273	1659,292	PN
2132	1051839,620	1078912,852	1659,898	PN
2133	1051834,230	1078920,464	1659,584	PN
2134	1051830,129	1078929,377	1659,817	PN
2135	1051826,630	1078934,913	1660,469	PN
2136	1051821,995	1078942,951	1660,874	PN
2137	1051818,520	1078950,081	1661,561	PN
2138	1051814,381	1078958,040	1662,255	PN
2139	1051809,359	1078964,949	1663,351	PN
2140	1051806,586	1078972,228	1665,009	PN
2141	1051800,525	1078981,083	1664,976	PN
2142	1051796,459	1078985,674	1669,445	PN
2143	1051790,960	1078989,930	1670,504	PN

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2144	1051785,766	1078994,535	1671,959	PN
2145	1051780,040	1078997,799	1673,494	PN
2146	1051775,199	1078999,428	1674,442	CASA
2149	1051764,886	1078998,832	1674,930	VIA
2150	1051758,241	1079004,326	1676,861	VIA
2151	1051754,233	1079010,756	1678,537	VIA
2155	1051759,977	1079014,018	1677,493	PN
2156	1051756,158	1079021,553	1679,032	PN
2157	1051753,319	1079028,577	1680,107	PN
2158	1051750,328	1079035,419	1681,047	PN
2159	1051746,986	1079043,728	1681,492	PN
2160	1051745,392	1079045,677	1681,381	PN
2162	1051744,268	1079060,206	1682,752	PN
2163	1051739,985	1079067,009	1683,851	PN
2164	1051734,168	1079061,615	1685,227	PN
2165	1051729,107	1079065,483	1685,896	PN
2166	1051724,073	1079071,039	1686,073	PN
2167	1051722,303	1079078,164	1685,601	PN
2168	1051718,414	1079087,737	1685,042	PN
2169	1051715,348	1079091,190	1684,991	PN
2170	1051714,953	1079094,631	1684,757	PN
2171	1051712,145	1079095,521	1685,078	PN
2172	1051710,408	1079103,509	1684,875	PN
2173	1051709,702	1079109,450	1684,560	PN
2174	1051706,079	1079117,862	1684,867	PN
2175	1051703,750	1079126,227	1686,580	PN
2176	1051702,116	1079135,323	1687,746	PN
2177	1051698,649	1079143,050	1688,514	PN
2178	1051690,340	1079148,562	1689,691	PN
2179	1051686,743	1079150,806	1692,135	PN
2180	1051677,694	1079157,796	1694,976	PN
2181	1051671,505	1079162,970	1696,426	PN
2182	1051665,808	1079172,559	1696,735	PN
2183	1051660,358	1079180,144	1697,263	PN
2184	1051654,318	1079186,531	1697,641	PN
2185	1051651,226	1079187,368	1698,141	PN
2186	1051646,658	1079196,840	1699,172	PN
2187	1051642,235	1079202,830	1699,693	PN
2188	1051638,819	1079208,187	1699,911	GUAYABA
2189	1051632,349	1079215,805	1701,194	PN
2190	1051628,368	1079225,158	1702,360	PN
2191	1051623,009	1079230,274	1703,553	PN
2192	1051616,088	1079238,374	1704,870	PN
2193	1051616,077	1079238,369	1704,887	PN
2194	1051609,554	1079244,396	1706,842	PN
2195	1051600,348	1079249,216	1707,561	PN
2196	1051596,574	1079253,982	1709,724	PN
2197	1051592,578	1079257,561	1710,509	PN
2198	1051586,435	1079263,944	1712,597	PN
2199	1051581,598	1079274,009	1715,398	PN
2200	1051578,190	1079279,202	1716,717	PN
2201	1051575,622	1079284,881	1718,087	PN

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2202	1051578,641	1079289,204	1717,481	PN
2203	1051588,338	1079289,754	1716,581	PN
2204	1051592,800	1079293,150	1713,556	PN
2205	1052625,746	1079050,120	1790,258	##########
2206	1052379,675	1078367,895	1588,920	pn
2207	1052383,694	1078358,255	1587,253	pn
2208	1052386,315	1078348,745	1586,023	pn
2209	1052388,196	1078346,198	1585,023	pn
2210	1052390,709	1078344,705	1586,201	pn
2211	1052396,892	1078339,434	1584,210	pn
2212	1052405,174	1078333,537	1582,123	pn
2213	1052413,590	1078328,992	1580,982	pn
2214	1052425,170	1078322,681	1579,012	pn
2215	1052436,620	1078314,059	1578,520	pn
2216	1052447,268	1078304,580	1576,251	pn
2217	1052454,024	1078298,164	1575,010	pn
2218	1052462,132	1078293,669	1572,125	pn
2219	1052469,341	1078289,698	1570,102	pn
2220	1052476,460	1078285,924	1568,000	pn
2221	1052486,944	1078282,898	1565,000	pn
2222	1052492,842	1078279,890	1562,251	pn
2223	1052495,489	1078275,512	1562,120	pn
2224	1052502,937	1078266,895	1561,253	pn
2225	1052508,820	1078256,803	1561,325	pn
2226	1052514,186	1078243,241	1560,230	pn
2227	1052521,059	1078229,753	1558,325	pn
2228	1052535,091	1078218,136	1558,026	pn
2229	1052546,402	1078208,282	1557,842	pn
2230	1052557,550	1078195,879	1557,023	pn
2231	1052565,534	1078183,028	1556,258	pn
2232	1052574,005	1078171,356	1554,356	pn
2233	1052582,388	1078157,176	1553,080	pn
2234	1052592,000	1078144,374	1551,521	pn
2235	1052603,710	1078131,457	1550,952	pn
2236	1052613,653	1078121,186	1549,523	pn
2237	1052622,768	1078110,733	1547,230	pn
2238	1052628,224	1078096,415	1544,321	pn
2239	1052634,545	1078081,370	1541,325	pn
2240	1052641,970	1078069,899	1540,210	pn
2241	1052651,417	1078058,647	1537,236	pn
2242	1052668,330	1078048,604	1534,175	car
2243	1052664,886	1078043,161	1533,236	pn
2244	1052675,267	1078039,070	1532,321	pn
2245	1052681,179	1078034,653	1531,523	pn
2246	1052685,359	1078025,645	1530,235	pn
2247	1052691,438	1078014,770	1528,323	pn
2248	1052699,495	1078002,923	1525,236	pn
2249	1052711,695	1077993,423	1523,563	pn
2250	1052723,126	1077983,078	1521,023	pn
2251	1052737,093	1077999,194	1516,771	pn
2252	1052740,424	1077964,486	1516,562	pn
2253	1052743,546	1077956,402	1512,236	pn

2255	1052743,047	1077948,028	1514,312	pn
2256	1052743,125	1077953,070	1513,138	pn
2257	1052742,946	1077948,560	1513,236	pn
2258	1052745,520	1077949,525	1513,112	pn
2259	1052752,815	1077972,348	1513,251	pn
2260	1052754,169	1077961,226	1511,962	pn
2261	1052748,395	1077961,603	1515,591	cer
2262	1052755,193	1077956,182	1511,962	que
2263	1052755,729	1077951,958	1510,456	pn

GEORREFERENCIACION Y LEVANTAMIENTO TOPOGRAFICO

(Planimetría - Altimetría)

DEPARTAMENTO DE BOYACA
MUNICIPIO DE GARAGOA
VEREDA CUCHARERO

ELABORO:
WILMER E. ALFONSO H.

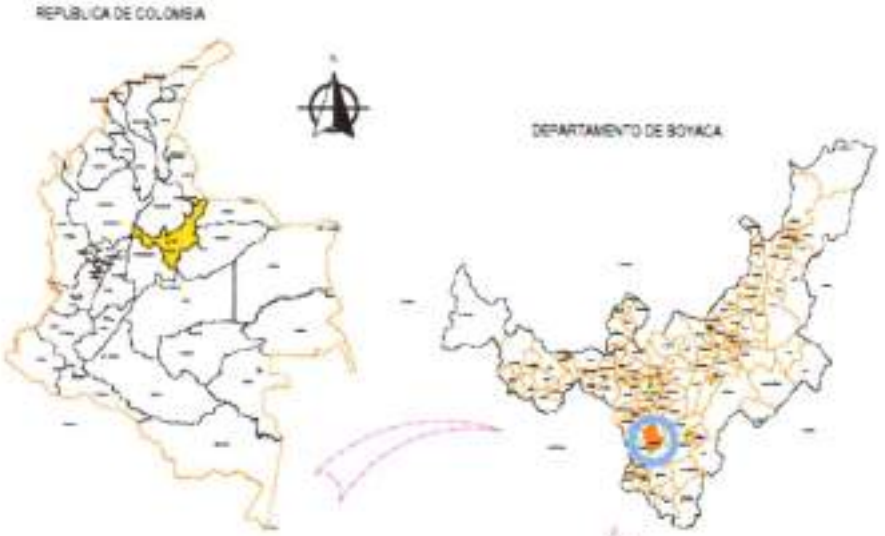
TOPOGRAFIA TRAMO VEREDA CUCHARERO
DESEMBOCADURA QUEBRADA RIBATOQUE A ALTO DEL PINO

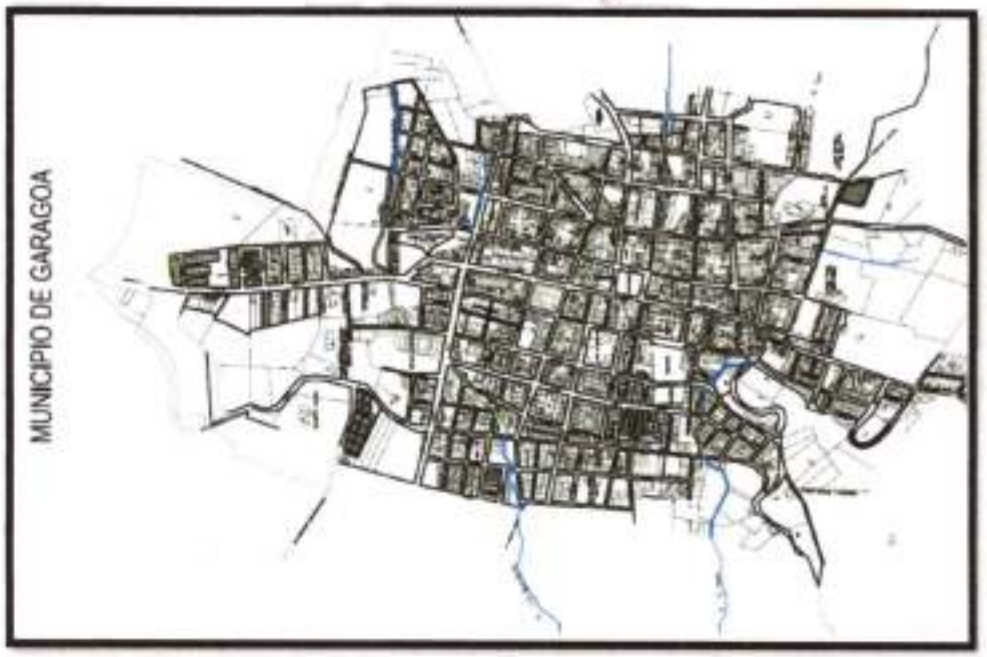
NOVIEMBRE DE 2025

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1. LOCALIZACION





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Como se aprecia en la anterior imagen el tramo de via levantado corresponde a la linea en color rojo Fuente Google earth.

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2. GEORREFERENCIACIÓN

La georreferenciación es la asignación de coordenadas reales ajustadas a un punto o par de puntos para tomarlos de base para un levantamiento topográfico.

Esta se puede hacer por varios métodos:

El primero consiste en ubicar un par de equipos en los puntos que se van a georreferenciar y posicionarlos simultáneamente junto con alguna de las estaciones de rastreo permanentes pertenecientes a la red activa IGAC, para luego realizar el postproceso de los puntos.

El primero consiste en ubicar un par de equipos en los puntos que se van a georreferenciar y posicionarlos simultáneamente junto con alguna de las estaciones de rastreo permanentes pertenecientes a la red pasiva IGAC, para luego realizar el postproceso de los puntos.

La georreferenciación se realizó montando un equipo GNSS en un punto de la red pasiva de la red MAGNA SIRGAS, Denominado 15299001, ubicado en el alto de santa Barbara. Desde este punto el equipo GNSS, denominado base transmitió correcciones al equipo GNSS Rover, trabajando así con coordenadas reales.





3. EQUIPO UTILIZADO

Los equipos GNSS empleados para la Georreferenciación y levantamiento topográfico GNSS – RTK, fueron 2 receptores marca **EMLID REACH 2**





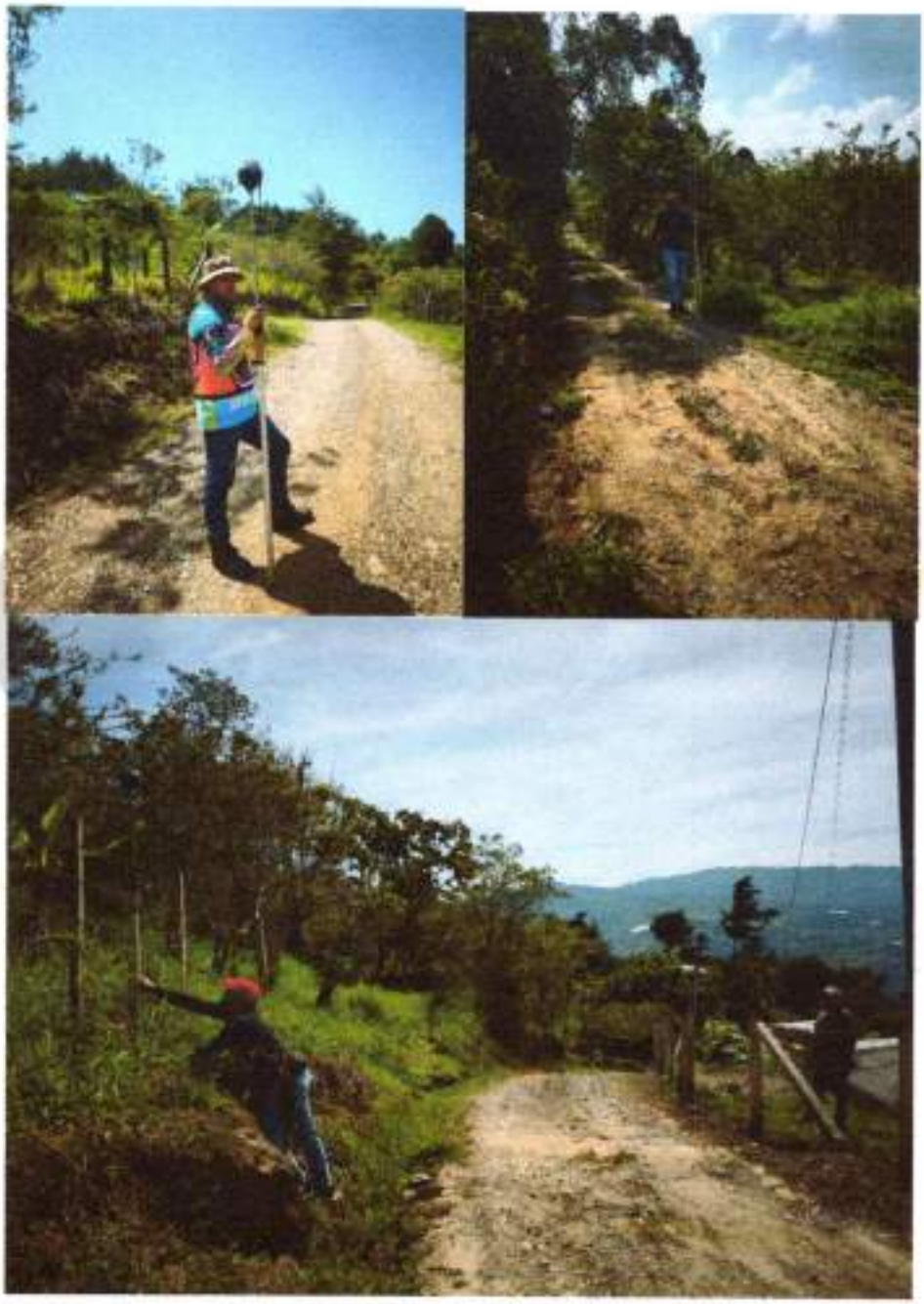
EQUIPOS GNSS EMLID REACH 2

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4. LEVANTAMIENTO TOPOGRAFICO RTK.



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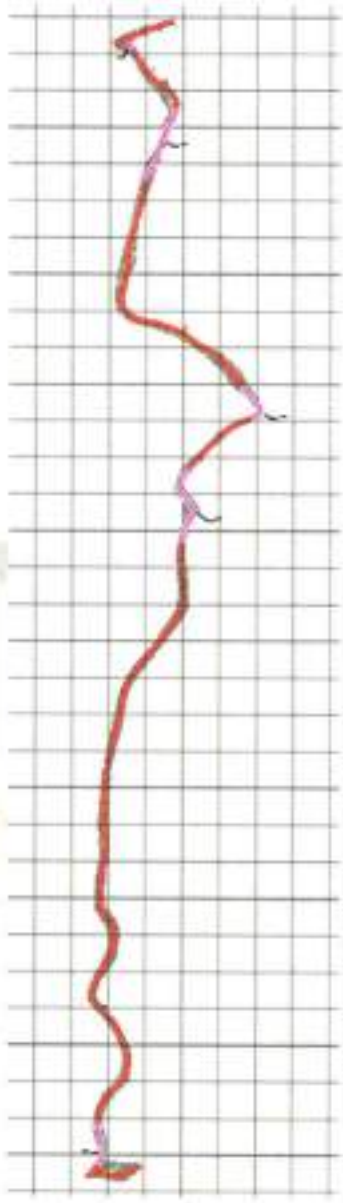
Tramo final de la vía.

Se realizó levantamiento topográfico por método GNSS RTK, se montó un equipo GNSS BASE, en el punto denominado 15299001 (IGAC), el cual se encuentra transmitiendo datos al equipo Móvil ROVER en tiempo real, y con coordenadas reales.
Teniendo el equipo GNSS Rover, recibiendo correcciones del equipo GNSS denominado base, y teniendo en cuenta de tomar puntos únicamente con solución fija (FIX). Se realiza el levantamiento topográfico de la vía, tomando todos los puntos relevantes (vía, puntos de nivel, arboles, cercas construcciones aledañas a la vía, puentes, box, postes, y demás elementos encontrados.

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5. RESULTADOS OBTENIDOS

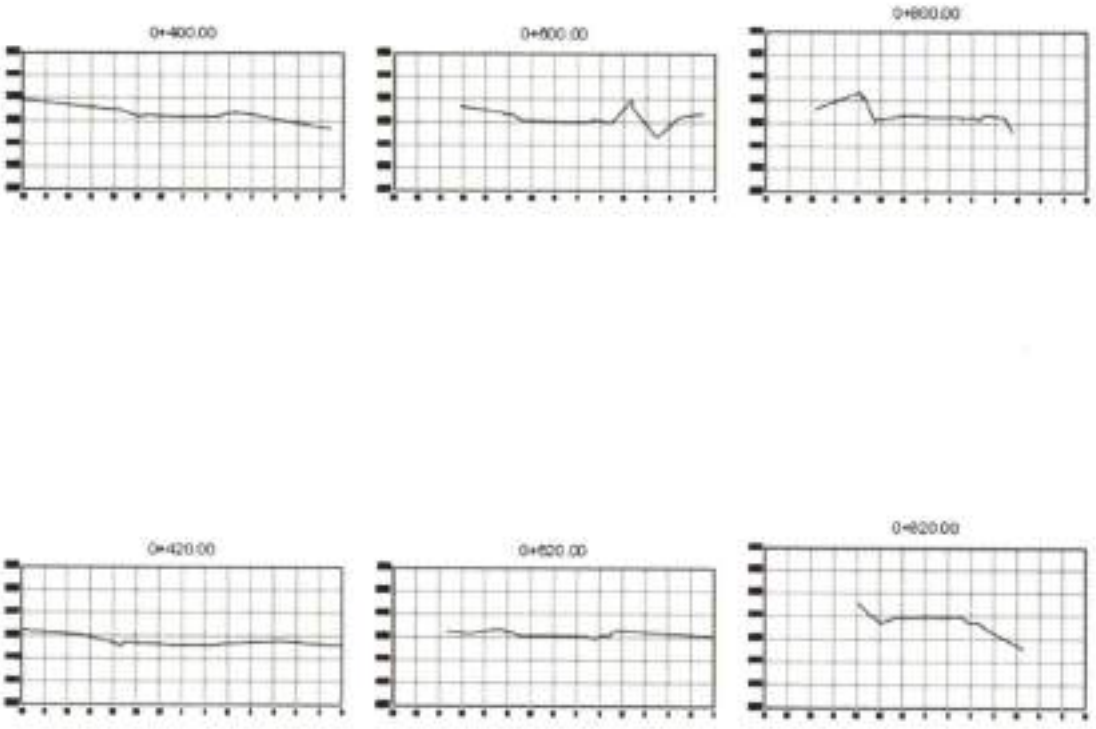


En la imagen se aprecia el resultado del levantamiento topográfico, el cual dio como resultado una longitud de 1973.45 m.

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En la imagen se aprecia el perfil longitudinal obtenido del levantamiento topográfico, el cual presenta un desnivel total de 230 m.



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6. CONCLUSIONES

- La vía levantada tiene una pendiente alta en la mayoría del tramo medido.
- Se trabajo con coordenadas reales, posicionando el equipo base en un mojón IGAC 152990001.
- En general la señal de radio y de los satélites GNSS, fue estable y estuvo dentro de los márgenes de precisión para este tipo de levantamientos topográficos.
- Se encontraron 4 tramos de placahuella, el tramo uno en mal estado, el tramo 2 en regular estado, el tercer tramo en buen estado y el cuarto tramo en buen estado.

Cordialmente;

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7. COORDENADAS PLANAS DE GAUSS

LEVANTAMIENTO TOPOGRAFICO TRAMO VEREDA CUCHARERO DESEMBOCADURA QUEBRADA RIBATOQUE A ALTO DEL PINO

PUNTO	NORTE	ESTE	ELEVACION	DESCRIPCION
1	1052062,298	1077743,018	1644,694	cer
2	1052061,919	1077743,859	1644,335	pn
3	1052061,836	1077744,331	1644,459	ph
4	1052061,438	1077745,571	1644,455	ph
5	1052060,98	1077746,823	1644,427	ph
6	1052060,545	1077748,015	1644,297	pn
7	1052060,481	1077749,344	1645,823	pn
8	1052074,728	1077749,59	1641,083	cer
9	1052074,517	1077749,654	1640,675	pn
10	1052074,227	1077750,05	1640,704	ph
11	1052073,505	1077751,177	1640,693	ph
12	1052072,801	1077752,277	1640,702	ph
13	1052072,123	1077752,681	1640,675	pn
14	1052071,893	1077753,132	1642,061	pn
15	1052080,58	1077759,346	1638,944	pn
16	1052080,877	1077758,882	1637,978	pn
17	1052081,194	1077758,517	1637,872	pn
18	1052081,53	1077758,315	1637,945	ph
19	1052082,412	1077756,942	1637,952	ph
20	1052083,149	1077755,989	1637,968	ph
21	1052083,334	1077755,433	1637,841	pn
22	1052083,845	1077754,804	1637,555	cer
23	1052089,148	1077765,924	1637,01	pn
24	1052089,349	1077765,474	1635,401	pn
25	1052089,676	1077765,045	1635,577	via
26	1052090,728	1077764,076	1635,51	via
27	1052091,622	1077762,943	1635,51	via
28	1052092,115	1077762,247	1635,612	cer
29	1052101,898	1077771,127	1633,01	cer
30	1052101,33	1077771,654	1633,144	via
31	1052100,355	1077772,76	1633,098	via
32	1052099,303	1077773,786	1633,102	via
33	1052098,853	1077774,158	1632,942	pn
34	1052098,506	1077774,379	1634,132	pn
35	1052108,291	1077783,884	1631,936	pn
36	1052108,859	1077783,32	1631,036	pn
37	1052109,241	1077782,897	1631,278	via
38	1052110,047	1077782,006	1631,272	via
39	1052110,836	1077780,895	1631,268	via
40	1052111,306	1077780,339	1631,219	pn
41	1052111,638	1077779,952	1630,727	cer
42	1052118,642	1077785,921	1630,293	cer
43	1052118,235	1077786,253	1630,66	pn
44	1052117,654	1077786,792	1630,605	via
45	1052116,983	1077787,818	1630,559	via
46	1052115,98	1077788,811	1630,517	via

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47	1052115,459	1077789,267	1630,306	pn
48	1052114,861	1077790,32	1631,183	pn
49	1052116,844	1077790,18	1630,225	pn
50	1052116,754	1077790,442	1629,398	pn
51	1052116,369	1077790,958	1629,501	pn
52	1052116,319	1077790,93	1630,509	pn
53	1052117,641	1077790,962	1629,484	pn
54	1052117,716	1077790,63	1630,384	pn
55	1052117,589	1077792,044	1629,406	pn
56	1052117,511	1077792,196	1630,491	pn
57	1052117,866	1077791,492	1629,726	tub
58	1052118,572	1077791,271	1630,267	via
59	1052120,378	1077791,297	1630,118	via
60	1052122,382	1077791,359	1630,101	via
61	1052123,175	1077791,418	1629,988	pn
62	1052123,666	1077791,45	1629,497	tuberia
63	1052132,613	1077798,007	1629,181	pn
64	1052131,826	1077798,676	1629,348	pn
65	1052131,747	1077798,94	1629,053	pn
66	1052131,213	1077799,26	1629,034	via
67	1052130,12	1077800,24	1629,01	via
68	1052129,251	1077801,104	1629,129	via
69	1052129,127	1077801,147	1629,109	via
70	1052128,415	1077801,823	1628,946	pn
71	1052127,836	1077801,989	1630,241	pn
72	1052133,072	1077808,459	1629,163	pn
73	1052133,661	1077808,106	1627,737	pn
74	1052134,384	1077807,676	1627,964	via
75	1052135,762	1077806,648	1628,007	via
76	1052136,86	1077805,79	1627,898	via
77	1052137,62	1077805,11	1628,154	pn
78	1052144,059	1077814,243	1625,534	pn
79	1052143,195	1077814,69	1626,532	pn
80	1052142,642	1077815,072	1626,397	via
81	1052141,372	1077815,912	1626,416	via
82	1052140,172	1077816,572	1626,369	via
83	1052139,4	1077817,022	1626,234	via
84	1052139,431	1077816,858	1626,315	pn
85	1052138,471	1077817,824	1627,424	pn
86	1052143,235	1077827,166	1625,936	pn
87	1052144,088	1077826,424	1624,867	pn
88	1052144,787	1077826,158	1624,751	via
89	1052146	1077825,568	1624,708	via
90	1052147,55	1077824,701	1624,658	via
91	1052148,242	1077824,486	1624,488	pn
92	1052148,717	1077824,296	1624,067	pn
93	1052153,125	1077834,897	1622,447	pn
94	1052152,675	1077835,213	1622,85	pn
95	1052152,258	1077835,427	1622,892	via
96	1052150,793	1077836,16	1622,916	via
97	1052149,358	1077836,882	1623,075	via
98	1052148,209	1077837,507	1623,463	pn
99	1052147,756	1077837,645	1624,389	pn
100	1052151,778	1077846,516	1622,539	pn
101	1052153,225	1077845,544	1621,835	PH
102	1052154,46	1077844,71	1621,688	PH
103	1052155,913	1077843,674	1621,649	PH
104	1052156,781	1077843,293	1621,674	pn
105	1052160,284	1077848,242	1620,119	pn
106	1052159,427	1077848,882	1620,271	PH

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107	1052157,949	1077850,209	1620,313	PH
108	1052156,24	1077851,3	1620,396	PH
109	1052155,804	1077851,699	1621,272	pn
110	1052158,858	1077856,027	1619,931	pn
111	1052159,424	1077855,023	1619,242	PH
112	1052160,818	1077853,114	1619,161	PH
113	1052161,887	1077851,457	1619,037	PH
114	1052162,472	1077850,646	1619,106	pn
115	1052166,061	1077851,335	1617,294	pn
116	1052166,261	1077852,111	1617,186	PH
117	1052166,802	1077853,931	1617,16	PH
118	1052167,468	1077856,495	1617,32	PH
119	1052167,78	1077857,932	1617,42	pn
120	1052172,495	1077854,909	1616,016	pn
121	1052171,598	1077853,605	1615,977	PH
122	1052170,216	1077852,13	1616,04	PH
123	1052168,958	1077850,649	1616,131	PH
124	1052168,196	1077849,758	1616,473	pn
125	1052168,171	1077849,409	1617,13	pn
126	1052174,233	1077843,612	1613,713	pn
127	1052175,186	1077844,607	1613,73	PH
128	1052176,448	1077845,594	1613,632	PH
129	1052177,995	1077846,784	1613,489	PH
130	1052178,505	1077847,645	1613,371	pn
131	1052182,822	1077843,295	1611,876	pn
132	1052182,011	1077842,476	1611,873	PH
133	1052181,114	1077841,53	1611,909	PH
134	1052180,105	1077840,609	1612,028	PH
135	1052179,697	1077840,093	1612,132	PH
136	1052178,957	1077839,524	1612,319	pn
137	1052188,106	1077832,847	1609,585	pn
138	1052188,494	1077833,554	1609,212	pn
139	1052188,702	1077833,93	1609,201	PH
140	1052189,589	1077834,931	1609,282	PH
141	1052190,366	1077836,024	1609,188	PH
142	1052191,567	1077837,581	1609,182	pn
143	1052197,169	1077833,92	1607,587	pn
144	1052196,096	1077831,947	1607,498	PH
145	1052195,293	1077830,772	1607,486	PH
146	1052194,399	1077829,699	1607,508	PH
147	1052194,19	1077829,445	1607,251	pn
148	1052193,503	1077828,644	1608,195	pn
149	1052202,819	1077821,423	1606,35	pn
150	1052203,282	1077822,136	1604,948	pn
151	1052203,836	1077822,937	1605,116	via
152	1052204,997	1077824,318	1605,029	via
153	1052205,881	1077825,743	1605,016	via
154	1052206,31	1077826,345	1605,087	pn
155	1052206,911	1077827,081	1604,715	pn
156	1052209,328	1077816,904	1604,439	pn
157	1052209,814	1077818,023	1603,623	pn
158	1052210,307	1077818,689	1603,734	via
159	1052211,17	1077819,938	1603,649	via
160	1052212,108	1077821,363	1603,775	via
161	1052212,918	1077823,09	1603,828	pn
162	1052212,616	1077821,872	1603,731	via
163	1052214,616	1077820,47	1603,463	via
164	1052217,123	1077818,894	1603,185	via
165	1052218,361	1077818,782	1603,331	cer
166	1052221,217	1077824,824	1603,315	cer

167	1052220,622	1077825,172	1602,98	via
168	1052220,73	1077825,148	1603,048	via
169	1052218,878	1077826,335	1603,41	via
170	1052217,074	1077827,817	1603,49	via
171	1052217,692	1077818,321	1603,04	via
172	1052216,271	1077816,664	1602,871	via
173	1052215,374	1077815,402	1602,776	via
174	1052214,852	1077814,614	1602,722	pn
175	1052214,284	1077814,364	1603,295	pn
176	1052228,305	1077805,317	1601,386	pn
177	1052226,476	1077805,938	1600,931	pn
178	1052226,744	1077806,32	1601,021	via
179	1052227,474	1077807,405	1601,057	via
180	1052228,49	1077808,906	1601	via
181	1052228,649	1077809,108	1601,207	pn
182	1052228,732	1077809,143	1602,126	pn
183	1052237,442	1077803,045	1600,142	cer
184	1052237,742	1077802,75	1600,017	via
185	1052236,453	1077801,664	1599,969	via
186	1052235,352	1077800,559	1599,822	via
187	1052234,958	1077800,066	1599,69	pn
188	1052234,628	1077799,42	1600,62	pn
189	1052239,455	1077795,329	1599,499	cer
190	1052239,907	1077795,474	1599,193	pn
191	1052240,458	1077795,684	1598,99	via
192	1052241,804	1077796,409	1599,245	via
193	1052242,843	1077797,058	1599,378	via
194	1052243,559	1077797,497	1599,543	cer
195	1052247,372	1077786,977	1598,736	cer
196	1052247,097	1077786,984	1598,518	via
197	1052246,749	1077786,987	1598,405	via
198	1052245,236	1077786,498	1598,438	via
199	1052244,068	1077785,94	1598,399	via
200	1052243,445	1077785,829	1598,217	pn
201	1052242,841	1077785,446	1598,485	cer
202	1052246,793	1077775,76	1598,055	cer
203	1052247,425	1077776,258	1597,804	cer
204	1052247,381	1077776,302	1597,772	pn
205	1052247,509	1077776,375	1597,487	pn
206	1052247,955	1077776,791	1597,602	via
207	1052249,378	1077777,469	1597,599	via
208	1052250,625	1077778,132	1597,624	via
209	1052251,033	1077778,251	1597,872	pn
210	1052251,423	1077778,276	1597,702	cer
211	1052258,483	1077768,234	1596,506	cer
212	1052258,19	1077767,94	1596,516	pn
213	1052257,807	1077767,753	1596,235	via
214	1052256,902	1077766,649	1596,144	via
215	1052255,593	1077765,78	1596,162	via
216	1052255,092	1077765,371	1595,995	pn
217	1052254,484	1077764,588	1597,019	cer
218	1052263,694	1077754,957	1595,837	cer
219	1052263,845	1077755,288	1594,544	pn
220	1052264,368	1077755,623	1594,662	via
221	1052265,433	1077756,514	1594,645	via
222	1052266,912	1077757,699	1594,777	via
223	1052267,152	1077757,683	1595,622	cer
224	1052272,51	1077750,584	1594,124	cer
225	1052272,097	1077750,422	1593,728	via
226	1052270,91	1077749,655	1593,565	via

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227	1052269,591	1077749,034	1593,52	via
228	1052269,264	1077748,764	1593,567	pn
229	1052269,134	1077748,469	1594,723	cer
230	1052271,21	1077743,061	1593,641	cer
231	1052272,002	1077743,148	1592,721	pn
232	1052272,313	1077743,306	1592,727	via
233	1052273,589	1077743,744	1592,834	via
234	1052274,789	1077744,225	1592,868	via
235	1052275,231	1077744,347	1593,083	pn
236	1052275,229	1077744,325	1593,108	cer
237	1052275,785	1077728,07	1592,035	cer
238	1052276,377	1077728,295	1591,421	pn
239	1052276,729	1077728,542	1591,479	v
240	1052278,353	1077729,197	1591,548	via
241	1052279,788	1077729,763	1591,487	via
242	1052280,294	1077730,044	1591,572	cer
243	1052281,178	1077714,239	1590,26	cer
244	1052281,55	1077714,232	1590,426	pn
245	1052281,758	1077714,387	1590,275	pn
246	1052282,031	1077714,342	1590,293	via
247	1052283,477	1077714,89	1590,389	via
248	1052284,608	1077715,305	1590,374	via
249	1052285,252	1077715,458	1590,43	pn
250	1052285,693	1077715,548	1590,592	cer
251	1052288,407	1077702,137	1589,66	cer
252	1052287,854	1077702,102	1589,718	pn
253	1052287,708	1077702,017	1589,47	pn
254	1052287,404	1077702,164	1589,422	via
255	1052285,705	1077701,857	1589,444	via
256	1052284,196	1077701,892	1589,379	via
257	1052283,72	1077701,949	1589,283	pn
258	1052282,86	1077701,92	1590,762	cer
259	1052283,358	1077694,237	1589,373	cer
260	1052284,38	1077694,423	1588,569	pn
261	1052284,769	1077694,344	1588,531	via
262	1052286,241	1077694,563	1588,538	via
263	1052287,933	1077694,753	1588,495	via
264	1052288,234	1077694,766	1588,466	pn
265	1052288,481	1077694,73	1588,924	pn
266	1052289,081	1077694,868	1588,983	cer
267	1052292,408	1077686,533	1587,724	cer
268	1052292,104	1077686,322	1587,072	pn
269	1052291,519	1077686,001	1587,005	pn
270	1052291,235	1077686,031	1586,66	pn
271	1052291,008	1077685,871	1586,697	via
272	1052289,069	1077684,82	1586,724	via
273	1052287,787	1077684,112	1586,749	via
274	1052287,359	1077683,964	1586,818	pn
275	1052286,918	1077683,221	1587,368	cer
276	1052293,187	1077674,509	1585,244	cer
277	1052293,478	1077674,709	1584,878	pn
278	1052293,62	1077674,944	1584,672	pn
279	1052293,777	1077675,042	1584,569	via
280	1052295,106	1077676,048	1584,488	via
281	1052296,378	1077676,882	1584,551	via
282	1052296,801	1077677,535	1584,509	pn
283	1052297,91	1077678,376	1585,977	cer
284	1052305,251	1077671,321	1583,601	cer
285	1052304,858	1077670,568	1583,491	pn
286	1052304,8	1077670,423	1582,718	pn

287	1052304,24	1077670,046	1582,165	pn
288	1052304,129	1077669,494	1582,316	via
289	1052303,225	1077668,008	1582,379	via
290	1052302,14	1077666,464	1582,33	via
291	1052302,021	1077666,019	1582,267	pn
292	1052301,651	1077665,329	1582,576	pn
293	1052301,589	1077664,962	1582,629	cer
294	1052315,482	1077663,053	1580,81	cer
295	1052315,294	1077663,536	1580,396	pn
296	1052315,091	1077663,777	1580,269	via
297	1052314,933	1077665,607	1580,262	via
298	1052314,895	1077667,194	1580,156	via
299	1052314,884	1077667,723	1580,262	pn
300	1052314,749	1077667,996	1580,716	pn
301	1052314,932	1077669,03	1581,117	cer
302	1052328,122	1077671,558	1578,136	cer
303	1052328,313	1077670,6	1577,514	pn
304	1052328,231	1077670,122	1577,547	via
305	1052328,694	1077668,469	1577,546	via
306	1052329,008	1077667,205	1577,637	via
307	1052329,228	1077666,607	1577,972	pn
308	1052329,596	1077665,917	1577,95	cer
309	1052343,466	1077669,675	1575,526	cer
310	1052343,255	1077670,267	1575,987	pn
311	1052343,171	1077670,426	1575,143	via
312	1052342,753	1077672,09	1575,067	via
313	1052342,506	1077673,581	1575,137	via
314	1052342,401	1077673,959	1574,991	pn
315	1052342,072	1077674,615	1576,649	pn
316	1052358,843	1077677,732	1573,753	cer
317	1052358,884	1077676,732	1572,551	pn
318	1052358,845	1077676,17	1572,722	pn
319	1052358,718	1077675,717	1572,74	via
320	1052358,842	1077674,199	1572,601	via
321	1052358,776	1077672,68	1572,641	via
322	1052358,937	1077672,378	1572,612	pn
323	1052359,126	1077671,351	1572,709	cer
324	1052369,773	1077669,474	1571,879	cer
325	1052369,459	1077672,938	1571,727	via
326	1052369,371	1077674,493	1571,727	via
327	1052369,191	1077676,106	1571,825	via
328	1052369,168	1077677,1	1571,922	pn
329	1052369,122	1077677,27	1571,703	pn
330	1052369,087	1077677,498	1571,847	pn
331	1052369,228	1077678,657	1572,625	cer
332	1052369,683	1077678,773	1572,049	pn
333	1052369,992	1077678,823	1572,084	via
334	1052371,379	1077678,876	1572,024	via
335	1052372,694	1077679,037	1572,006	via
336	1052373,536	1077679,413	1572,209	pn
337	1052375,424	1077679,293	1571,94	cer
338	1052370,243	1077686,032	1572,656	cer
339	1052370,561	1077686,005	1572,676	via
340	1052371,359	1077685,975	1572,533	via
341	1052372,946	1077685,967	1572,451	via
342	1052373,348	1077686,063	1572,471	cer
343	1052376,312	1077678,318	1571,996	cer
344	1052376,198	1077677,289	1571,233	pn
345	1052376,216	1077676,838	1571,293	pn
346	1052376,21	1077676,178	1571,343	via

347	1052376,274	1077674,889	1571,333	via
348	1052376,429	1077673,239	1571,384	via
349	1052376,716	1077672,363	1571,511	cer
350	1052392,971	1077675,258	1570,282	cer
351	1052392,925	1077675,712	1570,237	pn
352	1052392,706	1077675,981	1570,126	via
353	1052392,173	1077677,505	1570,144	via
354	1052392,042	1077678,963	1570,177	via
355	1052391,913	1077679,313	1570,076	pn
356	1052391,774	1077680,221	1570,404	cer
357	1052408,751	1077684,848	1569,462	cer
358	1052408,958	1077684,35	1569,168	pn
359	1052409,182	1077683,872	1569,282	via
360	1052409,501	1077682,513	1569,332	via
361	1052409,865	1077681,064	1569,267	via
362	1052410,129	1077680,542	1569,232	pn
363	1052410,296	1077680,225	1569,339	cer
364	1052427,466	1077685,409	1568,79	cer
365	1052427,229	1077685,792	1568,843	pn
366	1052427,025	1077686,078	1568,665	via
367	1052426,383	1077687,804	1568,49	via
368	1052425,84	1077689,18	1568,529	via
369	1052425,824	1077689,685	1568,401	pn
370	1052425,603	1077690,068	1568,868	cer
371	1052442,131	1077695,244	1568,087	cer
372	1052442,327	1077694,792	1567,414	pn
373	1052442,459	1077694,356	1567,51	via
374	1052443,12	1077691,474	1567,489	via
375	1052443,142	1077691,251	1567,667	pn
376	1052443,64	1077690,314	1568,327	cer
377	1052460,195	1077693,335	1566,882	cer
378	1052460,078	1077694,548	1565,814	pn
379	1052460,059	1077694,729	1565,641	via
380	1052459,918	1077696,11	1565,603	via
381	1052459,591	1077697,361	1565,486	via
382	1052459,588	1077698,471	1567,301	cer
383	1052470,381	1077700,13	1564,932	cer
384	1052470,473	1077699,743	1564,136	pn
385	1052470,411	1077699,205	1564,253	via
386	1052470,708	1077697,95	1564,272	via
387	1052471,221	1077696,461	1564,257	via
388	1052471,16	1077696,092	1564,281	pn
389	1052471,505	1077694,794	1565,69	cer
390	1052478,652	1077702,849	1565,123	cer
391	1052479,077	1077701,804	1562,919	ph
392	1052479,653	1077699,659	1563,093	ph
393	1052480,275	1077697,818	1562,885	ph
394	1052480,691	1077696,456	1564,527	cer
395	1052486,268	1077705,55	1562,887	pn
396	1052486,545	1077704,712	1561,221	ph
397	1052487,497	1077702,836	1561,313	ph
398	1052488,677	1077701,305	1561,234	ph
399	1052489,084	1077700,588	1561,654	pn
400	1052489,885	1077699,255	1562,669	cer
401	1052497,177	1077705,303	1560,209	pn
402	1052496,782	1077705,524	1560,15	pn
403	1052495,62	1077706,5	1559,351	ph
404	1052494,228	1077708,095	1559,427	ph
405	1052492,845	1077709,389	1559,493	ph
406	1052492,351	1077710,819	1561,299	pn

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407	1052499,323	1077716,3	1559,185	pn
408	1052499,545	1077713,908	1557,357	ph
409	1052500,482	1077711,976	1557,437	ph
410	1052501,276	1077710,184	1557,315	ph
411	1052501,272	1077710,173	1557,421	ph
412	1052501,822	1077709,328	1558,927	pn
413	1052511,547	1077712,026	1554,34	pn
415	1052511,203	1077713,422	1554,234	ph
416	1052510,561	1077715,284	1554,379	ph
417	1052510,325	1077717,264	1554,2	ph
418	1052510,317	1077718,871	1557,381	ph
419	1052518,103	1077721,134	1554,91	ph
420	1052517,651	1077721,574	1554,978	pn
421	1052517,69	1077720,271	1552,575	pn
422	1052517,783	1077720,035	1552,687	ph
423	1052518,447	1077717,212	1551,944	ph
424	1052518,812	1077715,227	1551,875	ph
425	1052518,902	1077714,751	1551,748	cer
426	1052531,365	1077718,41	1548,697	cer
427	1052530,988	1077719,027	1548,574	ph
428	1052530,367	1077720,868	1548,633	ph
429	1052529,865	1077722,741	1548,532	ph
430	1052528,781	1077724,876	1551,97	pn
431	1052541,785	1077727,916	1548,107	pn
432	1052542,374	1077724,997	1546,217	pn
433	1052541,658	1077726,842	1546,133	pn
434	1052543,88	1077723,26	1546,112	pn
435	1052542,997	1077722,438	1546,033	pn
436	1051527,675	1077640,908	1683,27	
437	1051528,82	1077639,942	1681,538	
438	1052488,037	1077694,91	1563,502	pn
439	1052476,912	1077692,19	1565,309	pn
440	1052465,472	1077689,983	1566,72	pn
441	1052455,893	1077688,903	1567,733	pn
442	1052445,254	1077686,801	1568,343	pn
443	1052435,807	1077685,117	1568,633	pn
444	1052426,655	1077682,361	1568,788	pn
445	1052419,941	1077679,972	1568,893	pn
446	1052410,944	1077676,91	1568,954	pn
447	1052400,399	1077672,98	1569,265	pn
448	1052391,823	1077670,877	1569,706	pn
449	1052382,761	1077668,795	1570,476	pn
450	1052375,054	1077666,653	1571,223	pn
451	1052365,481	1077667,041	1572,452	pn
452	1052358,159	1077666,654	1573,206	pn
453	1052350,017	1077664,584	1573,977	pn
454	1052342,512	1077662,631	1574,339	pn
455	1052341,282	1077667,317	1574,594	pn
456	1052333,103	1077663,439	1574,641	pn
457	1052334,218	1077659,65	1574,494	pn
458	1052327,817	1077657,112	1574,634	pn
459	1052325,916	1077658,978	1575,209	pn
461	1052318,748	1077659,707	1580,387	pn
462	1052312,586	1077658,9	1581,015	pn
463	1052303,909	1077659,246	1581,739	pn
464	1052303,917	1077659,131	1581,708	pn
465	1052298,164	1077663,068	1581,88	pn
466	1052291,733	1077670,259	1583,129	pn
467	1052288,397	1077675,192	1584,789	pn
468	1052286,946	1077678,402	1586,973	pn

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469	1052286,216	1077677,946	1586,129	pn
470	1052283,816	1077682,31	1586,709	pn
471	1052284,314	1077682,463	1587,566	pn
472	1052282,164	1077689,939	1587,644	pn
473	1052280,333	1077698,408	1587,213	pn
474	1052279,981	1077707,856	1587,639	pn
475	1052275,813	1077717,61	1587,843	pn
476	1052271,242	1077725,881	1587,763	pn
477	1052268,584	1077735,595	1593,026	pn
478	1052264,106	1077745,636	1595,055	pn
479	1052264,113	1077745,494	1594,896	pn
480	1052260,485	1077753,403	1595,282	pn
481	1052261,049	1077753,747	1596,142	pn
482	1052257,483	1077759,112	1594,745	pn
483	1052240,185	1077779,137	1597,99	pn
484	1052235,32	1077790,894	1597,448	pn
485	1052214,918	1077806	1600,975	pn
486	1052204,429	1077812,085	1603,551	pn
487	1052191,229	1077824,439	1608,392	pn
488	1052177,091	1077839,073	1613,351	pn
489	1052154,317	1077837,125	1621,637	pn
490	1052149,119	1077823,951	1623,499	pn
491	1052143,206	1077812,767	1625,78	pn
492	1052134,608	1077799,401	1628,358	pn
493	1052116,651	1077783,897	1630,27	pn
494	1052115,921	1077781,26	1629,556	pn
495	1052107,521	1077771,054	1630,537	pn
496	1052099,424	1077763,299	1631,976	pn
497	1052092,398	1077756,345	1634,063	pn
498	1052084,667	1077750,244	1637,559	pn
499	1052081,372	1077749,237	1637,907	pn
500	1052073,115	1077744,171	1641,333	pn
501	1052065,325	1077741,662	1643,525	pn
502	1052055,035	1077738,773	1645,251	pn
503	1052055,56	1077743,96	1645,707	pn
504	1052055,688	1077745,381	1645,709	pn
505	1052055,897	1077746,736	1645,629	pn
506	1052056,161	1077748,33	1645,336	pn
507	1052056,563	1077749,648	1645,983	pn
508	1052047,225	1077759,152	1648,996	pn
509	1052045,298	1077756,874	1649,096	pn
510	1052043,954	1077755,677	1649,385	ph
511	1052042,96	1077754,851	1649,467	ph
512	1052042,083	1077753,913	1649,461	ph
513	1052040,785	1077752,461	1649,514	pn
514	1052039,596	1077751,201	1649,198	pn
515	1052031,04	1077758,69	1653,214	pn
516	1052032,284	1077760,895	1652,924	pn
517	1052032,677	1077761,472	1652,59	pn
518	1052033,178	1077762,545	1652,661	ph
519	1052034,187	1077763,43	1652,713	ph
520	1052034,807	1077764,49	1652,661	ph
521	1052035,755	1077765,203	1652,395	pn
522	1052036,414	1077765,61	1652,384	pn
523	1052037,947	1077767,44	1651,325	pn
524	1052027,866	1077772,3	1654,411	pn
525	1052027,354	1077770,024	1654,631	pn
526	1052026,875	1077768,271	1654,781	ph
527	1052026,764	1077766,799	1654,727	ph
528	1052026,504	1077765,174	1654,681	ph

529	1052026,472	1077763,427	1654,578	pn
530	1052026,586	1077761,285	1654,811	pn
531	1052021,666	1077758,837	1656,732	pn
532	1052020,15	1077760,387	1657,023	pn
533	1052019,303	1077761,313	1656,981	ph
534	1052018,492	1077762,518	1656,994	ph
535	1052017,462	1077763,594	1657,03	ph
536	1052017,269	1077764,193	1657,124	pn
537	1052016,588	1077764,42	1657,872	pn
538	1052009,888	1077758,752	1660,103	pn
539	1052010,192	1077758,133	1658,867	pn
540	1052010,465	1077757,682	1658,928	ph
541	1052011,166	1077756,614	1658,962	ph
542	1052011,78	1077755,358	1658,997	ph
543	1052012,408	1077754,695	1659,25	pn
544	1052012,025	1077753,692	1658,036	pn
545	1052003,381	1077747,967	1661,131	pn
546	1052002,428	1077749,57	1661,509	pn
547	1052002,12	1077750,698	1661,007	pn
548	1052002,033	1077751,064	1661,235	ph
549	1052001,523	1077752,33	1661,229	ph
550	1052001,108	1077753,664	1661,199	ph
551	1052000,962	1077754,36	1660,892	pn
552	1052000,113	1077755,642	1661,763	pn
553	1052000,172	1077755,779	1662,598	pn
554	1051999,754	1077754,541	1661,315	pn
555	1051986,578	1077753,165	1666,232	cer
556	1051986,072	1077752,152	1665,205	pn
557	1051986,278	1077750,929	1664,687	pn
558	1051986,499	1077749,775	1665,048	ph
559	1051986,04	1077749,668	1665,142	ph
560	1051986,078	1077748,189	1665,191	ph
561	1051986,4	1077746,838	1665,163	ph
562	1051986,63	1077745,966	1664,976	pn
563	1051986,619	1077745,701	1665,333	pn
564	1051986,694	1077745,017	1665,414	cer
565	1051972,567	1077743,603	1668,149	cer
566	1051972,571	1077744,293	1667,885	pn
567	1051972,569	1077744,836	1667,889	via
568	1051972,545	1077746,665	1667,896	via
569	1051972,564	1077748,172	1667,922	via
570	1051972,279	1077749,705	1667,689	pn
571	1051971,451	1077751,787	1669,573	cer
572	1051960,123	1077750,81	1671,589	cer
573	1051959,793	1077748,58	1669,825	pn
574	1051959,662	1077747,851	1670,129	via
575	1051959,574	1077746,937	1670,12	via
576	1051959,599	1077745,979	1670,12	via
577	1051958,72	1077743,904	1669,927	pn
578	1051958,665	1077743,15	1670,493	cer
579	1051945,207	1077744,668	1671,068	pn
580	1051945,171	1077745,302	1671,593	cer
581	1051945,389	1077746,562	1671,809	via
582	1051945,68	1077747,956	1671,895	via
583	1051946,025	1077749,194	1671,971	via
584	1051946,788	1077751,429	1672,324	pn
585	1051942,339	1077751,475	1673,195	pn
586	1051944,828	1077750,236	1672,149	pn
587	1051942,276	1077754,062	1673,81	pn
588	1051943,107	1077753,395	1672,638	pn

589	1051946,492	1077752,416	1672,404	pn
590	1051948,875	1077752,01	1672,292	pn
591	1051950,721	1077750,793	1672,71	cer
592	1051951,3	1077755,132	1673,299	cer
593	1051950,373	1077755,716	1673,358	pn
594	1051949,861	1077755,771	1673,038	pn
595	1051947,791	1077756,537	1673,246	pn
596	1051946,071	1077756,989	1673,338	pn
597	1051945,426	1077757,192	1673,947	cer
598	1052610,75	1077726,218	1531,952	via
599	1051950,377	1077751,157	1672,923	fin
600	1052041,808	1077716,048	1647,012	BASE
601	1052609,138	1077726,733	1532,08	via
602	1052608,373	1077726,969	1532,236	pn
603	1052607,785	1077727,213	1533,143	cer
604	1052612,017	1077721,315	1531,529	cer
605	1052610,67	1077721,868	1531,929	via
606	1052608,965	1077723,42	1532,236	via
607	1052607,898	1077724,848	1532,501	via
608	1052607,291	1077725,081	1531,883	pn
609	1052606,986	1077724,885	1531,898	pn
610	1052606,821	1077724,596	1532,566	via
611	1052609,57	1077723,652	1532,597	via
612	1052604,035	1077722,585	1532,578	via
613	1052603,791	1077722,388	1533,013	pn
614	1052603,223	1077722,07	1533,716	pn
615	1052607,413	1077716,485	1531,92	cer
616	1052607,958	1077717,052	1531,35	pn
617	1052609,368	1077717,981	1531,28	pn
618	1052610,689	1077718,897	1531,258	pn
619	1052610,827	1077718,946	1530,821	pn
620	1052611,103	1077719,196	1530,812	pn
621	1052612,113	1077719,936	1531,646	pn
622	1052616,921	1077712,859	1530,257	cer
623	1052616,459	1077712,385	1529,714	pn
624	1052616,069	1077712,064	1529,791	via
625	1052615,113	1077710,78	1529,963	via
626	1052614,116	1077709,93	1530,019	via
627	1052613,816	1077709,668	1529,938	pn
628	1052613,551	1077709,39	1530,789	cer
629	1052621,316	1077701,421	1528,834	cer
630	1052621,801	1077701,8	1528,379	pn
631	1052622,173	1077702,309	1528,24	via
632	1052623,037	1077703,231	1528,276	via
633	1052623,818	1077704,303	1528,306	via
634	1052624,031	1077704,403	1527,862	pn
635	1052624,347	1077704,772	1527,998	pn
636	1052624,591	1077705,074	1528,88	cer
637	1052632,503	1077698,618	1527,562	cer
638	1052632,246	1077698,06	1526,619	pn
639	1052631,466	1077696,522	1526,742	via
640	1052630,64	1077695,181	1526,84	via
641	1052630,515	1077694,943	1526,802	pn
642	1052630,602	1077694,706	1527,464	cer
643	1052636,432	1077690,402	1525,853	pn
644	1052636,831	1077690,749	1525,761	pn
645	1052636,899	1077690,931	1525,574	via
646	1052637,52	1077692,448	1525,64	via
647	1052638,255	1077693,639	1525,497	via
648	1052638,485	1077694,069	1525,273	pn

649	1052638,682	1077694,453	1526,184	cer
650	1052651,618	1077687,137	1523,83	cer
651	1052651,22	1077686,531	1522,923	pn
652	1052651,032	1077686,344	1522,932	via
653	1052650,97	1077686,26	1523,113	via
654	1052650,219	1077685,135	1523,207	via
655	1052649,685	1077683,979	1523,245	via
656	1052649,502	1077683,728	1523,179	pn
657	1052649,203	1077682,95	1523,994	pn
658	1052653,863	1077684,775	1522,287	tub24
659	1052654,062	1077685,018	1522,26	pn
660	1052654,298	1077685,334	1523,137	cer
661	1052652,944	1077683,412	1522,877	via
662	1052652,249	1077682,311	1522,749	via
663	1052652,03	1077681,966	1522,679	pn
664	1052651,974	1077681,869	1523,439	pn
665	1052655,299	1077679,495	1520,939	tub24
666	1052655,283	1077679,616	1521,87	pn
667	1052655,071	1077680,564	1522,15	via
668	1052654,465	1077682,491	1522,363	via
669	1052654,157	1077684,45	1522,593	via
670	1052655,051	1077679,26	1522,94	cer
671	1052655,407	1077680,077	1522,072	ph
672	1052656,5	1077681,415	1522,014	ph
673	1052657,236	1077682,32	1522,042	ph
674	1052657,429	1077682,677	1522,185	pn
675	1052657,893	1077683,049	1522,791	cer
676	1052662,387	1077680,583	1522,148	cer
677	1052661,565	1077679,79	1521,195	pn
678	1052661,274	1077679,308	1520,888	ph
679	1052660,565	1077678,053	1520,856	ph
680	1052659,741	1077677,071	1520,829	ph
681	1052659,206	1077676,404	1520,711	pn
682	1052658,871	1077676,141	1520,413	pn
683	1052658,402	1077675,619	1521,888	pn
684	1052660,491	1077672,225	1520,631	pn
685	1052661,013	1077672,506	1519,297	pn
686	1052661,223	1077672,569	1519,199	pn
687	1052661,346	1077672,643	1519,454	pn
688	1052662,137	1077673,051	1519,601	via
689	1052663,178	1077673,711	1519,457	ph
690	1052664,22	1077674,233	1519,443	ph
691	1052665,246	1077674,828	1519,534	ph
692	1052665,794	1077675,991	1519,745	pn
693	1052666,135	1077674,112	1519,223	amarre
694	1052661,505	1077670,037	1519,675	pn
695	1052662,036	1077670,003	1518,42	pn
696	1052662,271	1077670,056	1518,448	pn
697	1052662,663	1077670,202	1518,778	via
698	1052663,16	1077670,198	1518,729	via
699	1052664,803	1077670,621	1518,642	via
700	1052666,719	1077671,091	1518,487	via
701	1052667,535	1077671,401	1518,174	via
702	1052661,814	1077666,277	1518,532	pn
703	1052662,555	1077666,468	1517,495	pn
704	1052662,949	1077666,42	1517,507	pn
705	1052663,064	1077666,435	1517,649	pn
706	1052663,654	1077666,436	1517,601	via
707	1052665,322	1077666,77	1517,62	via
708	1052667,108	1077666,985	1517,73	via

709	1052669,789	1077666,907	1517,694	via
710	1052667,624	1077661,19	1517,017	cer
711	1052666,39	1077661,392	1517,093	via
712	1052664,557	1077662,076	1517,032	via
713	1052662,912	1077662,321	1516,922	via
714	1052662,037	1077662,552	1516,72	pn
715	1052661,829	1077662,707	1516,588	pn
716	1052661,23	1077662,624	1517,581	pn
717	1052664,786	1077662,038	1516,837	via
718	1052667,395	1077654,276	1515,86	pn
719	1052548,673	1077733,437	1545,815	pn
720	1052549,31	1077731,865	1544,52	ph
721	1052549,809	1077729,922	1544,759	ph
722	1052550,613	1077728,159	1544,66	ph
723	1052550,909	1077727,626	1544,991	cer
724	1052558,589	1077731,221	1543,252	cer
725	1052558,353	1077731,772	1542,975	cer
726	1052557,78	1077733,648	1543,027	ph
727	1052556,964	1077735,381	1542,986	ph
728	1052556,764	1077735,688	1543,078	pn
729	1052556,396	1077736,377	1543,823	pn
730	1052564,878	1077739,955	1541,801	pn
731	1052565,298	1077739,436	1540,928	ph
732	1052566,14	1077737,648	1541,039	ph
733	1052566,896	1077735,895	1540,993	ph
734	1052567,253	1077735,226	1541,221	cer
735	1052575,472	1077737,924	1539,685	cer
736	1052575,263	1077738,652	1539,358	pn
737	1052574,847	1077740,757	1539,299	pn
738	1052574,678	1077742,537	1539,242	pn
739	1052574,661	1077742,948	1539,139	pn
740	1052574,314	1077744,184	1540,595	cer
741	1052581,575	1077744,287	1538,815	cer
742	1052581,319	1077743,446	1538,54	pn
743	1052581,443	1077743,14	1538,235	pn
744	1052581,324	1077742,776	1538,43	via
745	1052581,334	1077740,963	1538,365	via
746	1052581,162	1077739,414	1538,411	via
747	1052581,201	1077738,948	1538,772	cer
748	1052586,752	1077737,3	1538,487	cer
749	1052587,01	1077738,033	1537,78	pn
750	1052587,029	1077738,177	1537,43	via
751	1052587,656	1077739,61	1537,468	via
752	1052588,171	1077741,1	1537,527	via
753	1052588,217	1077741,396	1537,439	pn
754	1052588,293	1077742,025	1538,62	cer
755	1052595,891	1077737,808	1537,281	cer
756	1052595,642	1077737,345	1535,876	pn
757	1052595,356	1077736,98	1536,023	via
758	1052594,452	1077735,715	1536,11	via
759	1052593,835	1077734,611	1536,11	via
760	1052593,731	1077734,363	1535,951	pn
761	1052593,819	1077733,625	1537,764	pn
762	1052598,731	1077728,661	1535,838	pn
763	1052599,147	1077729,175	1534,275	via
764	1052600,376	1077730,492	1534,296	via
765	1052601,574	1077731,327	1534,305	via
766	1052601,836	1077731,624	1534,141	pn
767	1052602,163	1077732,082	1535,051	pn
768	1052607,265	1077726,498	1533,216	cer

769	1052609,877	1077729,042	1532,747	cer
770	1052610,387	1077729,169	1531,909	ent
771	1052611,922	1077728,19	1531,896	ent
772	1052613,529	1077727,36	1531,447	ent
773	1052665,645	1077655,524	1516,197	pn
774	1052664,556	1077656,956	1516,252	via
775	1052662,593	1077656,711	1516,285	via
776	1052661,142	1077657,043	1516,253	via
777	1052660,206	1077657,177	1516,075	pn
778	1052659,694	1077657,317	1516,031	pn
779	1052659,073	1077657,514	1516,2	pn
780	1052658,506	1077657,834	1517,229	pn
781	1052671,229	1077670,427	1517,792	pn
782	1052670,884	1077670,545	1517,93	via
783	1052669,482	1077671,161	1517,9	via
784	1052668,42	1077671,66	1517,981	via
785	1052667,031	1077672,136	1518,406	pn
786	1052674,931	1077678,873	1517,628	pn
787	1052673,994	1077679,177	1517,651	via
788	1052673,016	1077679,757	1517,658	via
789	1052672,013	1077680,108	1517,586	via
790	1052671,024	1077680,274	1517,584	pn
791	1052670,88	1077680,466	1518,264	pn
792	1052676,52	1077696,519	1518,701	pn
793	1052677,158	1077696,336	1517,162	pn
794	1052677,97	1077695,832	1517,246	via
795	1052678,957	1077695,47	1517,269	via
796	1052680,128	1077694,992	1517,255	via
797	1052682,265	1077694,561	1517,288	pn
798	1052684,106	1077693,846	1517,008	pn
799	1052686,594	1077712,028	1517,271	pn
800	1052686,193	1077712,277	1517,406	via
801	1052685,459	1077712,707	1517,381	via
802	1052684,301	1077713,179	1517,34	via
803	1052683,561	1077713,269	1517,469	pn
804	1052683,34	1077713,268	1517,426	pn
805	1052682,879	1077713,223	1518,009	pn
806	1052688,163	1077727,406	1518,742	pn
807	1052688,306	1077727,465	1517,533	pn
808	1052689,031	1077727,08	1517,412	via
809	1052690,239	1077726,737	1517,582	via
810	1052691,415	1077726,371	1517,526	via
811	1052692,169	1077726,098	1517,179	pn
812	1052695,276	1077735,672	1518,135	cer
813	1052694,073	1077735,805	1518,348	pn
814	1052692,845	1077736,478	1518,507	via
815	1052691,633	1077736,837	1518,62	via
816	1052691,434	1077736,764	1519,735	pn
817	1052690,753	1077736,839	1519,782	pn
818	1052696,26	1077734,905	1516,626	pn
819	1052695,586	1077731,398	1516,204	pn
820	1052694,209	1077728,239	1516,45	pn
821	1052693,961	1077723,338	1515,749	pn
822	1052692,604	1077719,791	1515,857	pn
823	1052691,092	1077715,856	1515,92	pn
824	1052688,268	1077707,136	1516,107	pn
825	1052687,132	1077701,778	1516,709	pn
826	1052686,219	1077696,709	1516,221	pn
827	1052683,666	1077689,43	1517,19	pn
828	1052681,682	1077684,569	1516,257	pn