INFORME TOPOGRAFICO

LEVANTAMIENTO TOPOGRAFICO VIA EL TALEGO MUNICIPIO DE CAREPA

JAIRO ANDRES ARGUMEDO GOMEZ

TOPOGRAFO

APARTADO-ANTIOQUIA

MARZO 26 DE 2025

Jairo Andres Argumedo G.

OBJETIVOS

Realizar levantamientos topográficos de la via para así poder realizar los planos técnicos donde se muestre su planimetría y altimetría.

Objetivos específicos.

. Realizar un levantamiento altiplanimetrico de la via para construccion del proyecto.

. Generar la información mediante nube de puntos para materializar los planos topográficos.

LOCALIZACION DEL PROYECTO

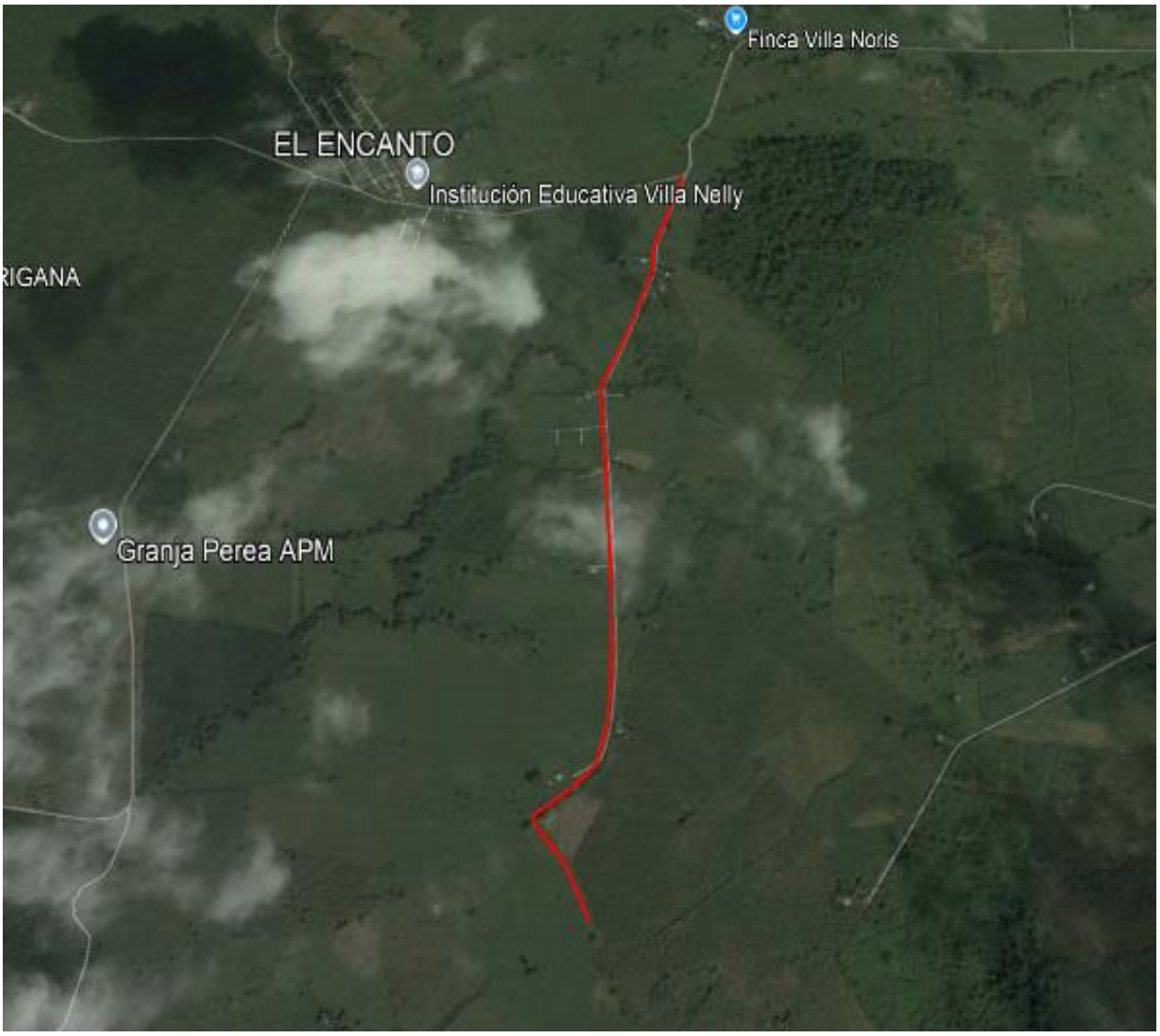


IMAGEN TOMADA DE GOOGLE EARTH

MUNICIPIO DE CAREPA

PERSONAL Y EQUIPO

Para el desarrollo de estas actividades de campo se conformó una comisión topográfica que constaba de 1 topógrafo y 3 cadeneros los cuales se encargaron de la toma de datos del terreno.

PERSONAL.

Topógrafo

Cadenero 1

Cadenero 2

EQUIPOS

. GNSS QUIANXUN SR2

. herramienta menor

. programas de cálculo y dibujo

LOCALIZACION

Los dos puntos tomados como referencia para iniciar el levantamiento topográfico fueron generados con un GPS de mano marca garmin.

Coordenadas obtenidas

PUNTO	COORDENADA NORTE	COORDENADA ESTE	COTA
MJ 1	1348285.269M	1041107.576M	20.185
MJ 2	1348238.307M	1041086.098M	19.945

PROCESAMIENTO DE LA INFORMACION

Para la elaboración de los planos se generaron nubes de puntos obtenidas mediante la toma de datos de campo que nos genera información de posición norte, este y cota con el cual empezamos a unir de forma consistente los puntos en el programa hasta obtener un dibujo real de lo que se realizó en campo.

ANEXOS

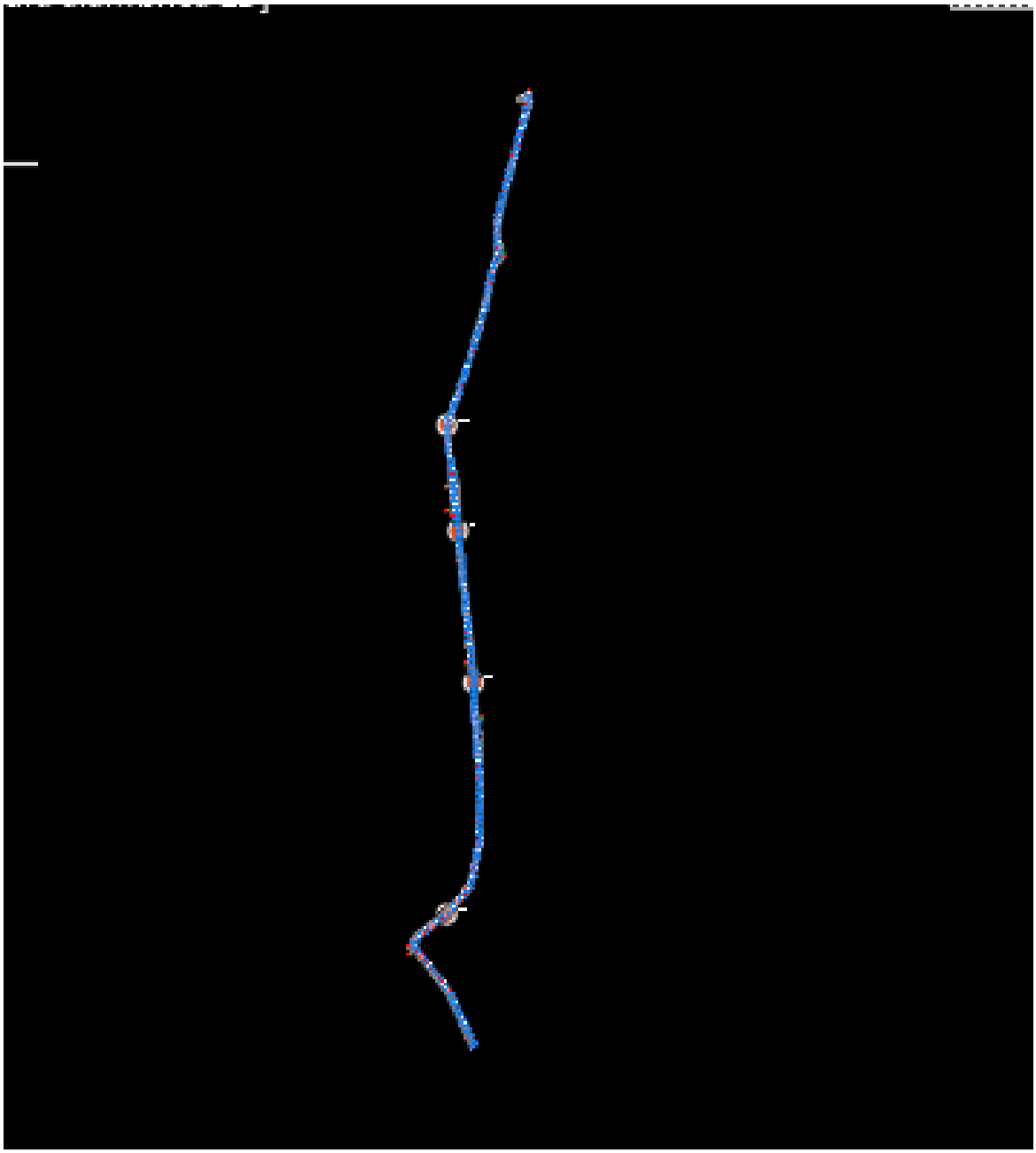
1.Planos en planta

2.Carteras topográficas

3.tarjeta profesional

4.Registro fotograficos

PLANO EN PLANTA



PARA MEJOR VISUALIZACION VER ARCHIVO EN PDF Y EN CAD

CARTERA TOPOGRAFICA

PUNTO	NORTE	ESTE	COTA	DESCRIPCION
1	1348400.082	1041113.683	19.767	cerco
2	1348399.254	1041116.069	20.005	via
3	1348399.021	1041118.726	19.767	canal
4	1348398.94	1041119.095	19.607	canal
5	1348398.804	1041119.842	19.56	canal
6	1348398.716	1041120.127	19.826	canal
7	1348398.409	1041121.14	19.692	cerco
8	1348391.949	1041114.063	20.016	via
9	1348377.01	1041107.477	19.926	cerco
10	1348376.314	1041109.639	19.95	via
11	1348375.678	1041112.326	19.874	canal
12	1348375.666	1041112.925	19.388	canal
13	1348375.473	1041113.895	19.182	canal
14	1348375.378	1041114.747	19.813	cerco
15	1348359.352	1041103.296	19.815	cerco
16	1348358.671	1041105.489	19.816	via
17	1348358.02	1041107.568	19.778	canal
18	1348357.935	1041108.155	19.4	canal
19	1348357.434	1041109.267	19.346	canal
20	1348357.413	1041109.573	19.55	canal
21	1348352.555	1041109.223	19.678	cerco
22	1348346.322	1041100.489	19.729	cerco
23	1348345.607	1041103.1	19.6	via
24	1348344.817	1041105.356	19.56	canal
25	1348344.552	1041105.861	19.412	canal
26	1348344.304	1041106.885	19.349	canal
27	1348344.209	1041107.165	19.511	canal
28	1348343.303	1041107.303	19.558	cerco
29	1348330.591	1041100.582	19.672	cerco
30	1348330.803	1041103.429	19.734	via
31	1348330.894	1041106.591	19.735	cerco
32	1348306.619	1041103.045	20.037	cerco
33	1348306.892	1041105.341	20.101	via
34	1348307.18	1041107.819	20.11	cerco
35	1348298.634	1041110.416	20.041	cerco
36	1348290.685	1041117.219	19.96	cerco
37	1348282.943	1041113.762	19.85	cerco

38	1348284.338	1041107.792	20.093	cerco
39	1348294.668	1041101.864	19.887	cerco
40	1348299.513	1041104.284	20.024	via
41	1348299.463	1041106.265	20.1	via
42	1348299.415	1041108.115	20.052	via
43	1348289.271	1041106.212	20.002	via
44	1348289.797	1041104.163	20.062	via
45	1348290.222	1041102.322	19.974	via
46	1348292.526	1041109.195	20.037	via
47	1348287.987	1041114.362	20.02	via
48	1348273.327	1041094.8	19.959	cerco
49	1348272.953	1041096.184	20.029	via
50	1348272.392	1041097.838	20.056	via
51	1348271.904	1041099.769	19.912	via
52	1348271.097	1041102.257	19.784	cerco
53	1348261.098	1041098.256	19.719	cerco
54	1348244.891	1041087.664	19.835	cerco
55	1348244.636	1041088.789	19.872	via
56	1348244.422	1041090.348	19.915	via
57	1348244.211	1041092.033	19.829	via
58	1348243.569	1041093.588	19.74	cerco
59	1348285.269	1041107.576	20.185	MJ1
60	1348238.307	1041086.098	19.945	MJ2
61	1348218.699	1041081.082	19.542	cerco
62	1348218.396	1041082.224	19.716	TOPO
63	1348218.173	1041083.383	19.862	via
64	1348217.615	1041085.023	19.993	via
65	1348217.366	1041086.669	19.908	via
66	1348217.049	1041088.342	19.666	cerco
67	1348196.628	1041083.728	19.859	cerco
68	1348196.92	1041081.699	19.926	via
69	1348197.159	1041080.169	20.011	via
70	1348197.697	1041078.53	19.981	via
71	1348198.151	1041075.924	19.705	cerco
72	1348169.113	1041076.182	19.486	cerco
73	1348169.726	1041074.18	19.761	via
74	1348170.223	1041072.834	19.834	via
75	1348170.651	1041071.241	19.745	via
76	1348171.686	1041068.633	19.474	cerco
77	1348148.656	1041069.719	19.411	cerco
78	1348149.315	1041068.046	19.509	via

79	1348149.738	1041066.482	19.644	via
80	1348150.102	1041064.999	19.563	via
81	1348150.852	1041062.654	19.273	cerco
82	1348128.408	1041057.213	19.357	cerco
83	1348128.116	1041058.193	19.392	via
84	1348127.596	1041059.691	19.458	via
85	1348127.343	1041061.274	19.341	via
86	1348127.06	1041062.349	19.289	cerco
87	1348104.945	1041049.257	19.184	cerco
88	1348104.529	1041050.244	19.272	via
89	1348104.128	1041051.824	19.351	via
90	1348103.568	1041053.446	19.247	via
91	1348103.231	1041054.682	19.14	cerco
92	1348071.4	1041044.017	18.989	cerco
93	1348071.842	1041042.313	19.164	via
94	1348072.21	1041040.859	19.25	via
95	1348072.849	1041039.397	19.161	via
96	1348073.51	1041038.04	18.939	cerco
97	1348049.521	1041029.508	18.857	cerco
98	1348048.94	1041031.195	19.118	via
99	1348048.267	1041032.586	19.238	via
100	1348047.763	1041034.143	19.129	via
101	1348047.264	1041035.375	19.076	cerco
102	1348028.033	1041027.945	19.054	cerco
103	1348028.562	1041026.603	19.139	via
104	1348029.078	1041025.047	19.24	via
105	1348029.681	1041023.679	19.156	via
106	1348030.236	1041022.618	18.8	cerco
107	1348015.35	1041015.188	19.566	TOPO
108	1348015.052	1041016.424	19.379	via
109	1348014.412	1041018.716	19.405	via
110	1348013.779	1041020.138	19.387	via
111	1348012.868	1041021.745	19.272	cerco
112	1348005.853	1041013.021	20.472	OBRA
113	1347997.476	1041012.127	20.524	OBRA
114	1347995.432	1041010.359	19.673	OBRA
115	1347991.437	1041019.053	18.959	OBRA
117	1347858.19	1041034.787	18.711	cerco
118	1347858.201	1041034.301	18.673	canal
119	1347858.137	1041033.867	18.507	canal
120	1347858.083	1041033.369	18.492	canal

121	1347858.105	1041032.828	18.853	canal
122	1347858.058	1041032.296	18.947	via
123	1347857.935	1041030.498	18.968	via
124	1347857.695	1041028.874	18.937	via
125	1347857.507	1041027.9	18.824	canal
126	1347857.462	1041027.547	18.494	canal
127	1347857.355	1041027.02	18.27	canal
128	1347857.31	1041026.557	18.801	canal
129	1347857.338	1041025.469	19.297	cerco
130	1347875.415	1041024.102	18.872	cerco
131	1347875.451	1041024.585	18.711	canal
132	1347875.576	1041024.86	18.239	canal
133	1347875.737	1041025.645	18.325	canal
134	1347875.782	1041026.059	18.804	canal
135	1347875.87	1041026.919	18.827	via
136	1347875.878	1041026.896	18.829	via
137	1347876.025	1041028.341	18.914	via
138	1347876.357	1041029.896	18.938	via
139	1347876.629	1041030.923	18.826	via
140	1347876.574	1041031.066	18.627	via
141	1347876.702	1041031.458	18.425	canal
142	1347876.841	1041032.261	18.454	canal
143	1347876.87	1041032.605	18.584	canal
144	1347876.986	1041033.086	18.51	cerco
145	1347894.835	1041022.676	18.628	cerco
146	1347894.887	1041023.066	18.504	canal
147	1347894.857	1041023.167	18.316	canal
148	1347894.96	1041023.545	18.2	canal
149	1347895.069	1041023.796	18.555	canal
150	1347895.205	1041024.329	18.608	via
151	1347895.637	1041026.414	18.657	via
152	1347895.686	1041027.854	18.712	via
153	1347895.916	1041029.503	18.632	canal
154	1347896.009	1041029.704	18.418	canal
155	1347896.114	1041030.174	18.449	canal
156	1347896.125	1041030.401	18.523	canal
157	1347896.193	1041030.792	18.55	cerco
158	1347897.114	1041029.301	18.709	arbol
159	1347896.399	1041022.406	18.56	cerco
160	1347896.919	1041021.012	18.59	poste
161	1347895.813	1041013.368	18.597	cerco

162	1347899.757	1041012.564	18.614	TOPO
163	1347903.868	1041011.929	18.656	TOPO
164	1347903.832	1041020.108	18.585	via
165	1347911.872	1041027.611	18.795	arbol
166	1347912.473	1041027.345	18.724	canal
167	1347912.539	1041027.621	18.464	canal
168	1347795.393	1041036.416	19.013	pavimento
169	1347795.649	1041038.009	18.978	pavimento
170	1347795.876	1041039.495	18.996	pavimento
171	1347796.566	1041040.976	18.97	malla
172	1347795.227	1041035.667	18.776	canal
173	1347795.229	1041035.014	18.06	canal
174	1347795.013	1041034.472	18.064	canal
175	1347794.785	1041034.121	18.552	canal
176	1347799.417	1041032.797	18.333	cerco
177	1347781.373	1041042.639	18.835	malla
178	1347781.394	1041041.769	18.773	via
179	1347781.42	1041039.79	18.89	via
180	1347781.325	1041037.691	18.812	via
181	1347772.315	1041037.761	18.536	canal
182	1347772.314	1041037.207	18.116	canal
183	1347772.169	1041036.36	17.928	canal
184	1347772.088	1041036.131	18.416	canal
185	1347771.912	1041034.6	18.562	cerco
186	1347767.028	1041044.282	18.554	malla
187	1347766.86	1041042.941	18.739	via
188	1347766.664	1041041.046	18.76	via
189	1347766.898	1041039.092	18.736	via
190	1347762.685	1041057.436	19.565	mj3
191	1347748.71	1041046.187	18.702	cerco
192	1347748.478	1041044.811	18.638	via
193	1347748.324	1041042.768	18.678	via
194	1347748.327	1041040.756	18.671	via
195	1347748.145	1041040.28	18.576	canal
196	1347748.148	1041039.898	18.167	canal
197	1347748.073	1041039.403	18.099	canal
198	1347748.098	1041039.169	18.457	canal
199	1347747.298	1041038.347	18.63	cerco
200	1347730.634	1041040.016	18.637	poste
201	1347728.874	1041040.159	18.54	cerco
202	1347728.995	1041040.87	18.508	canal

203	1347728.837	1041041.179	18.346	canal
204	1347729.314	1041042.177	18.383	canal
205	1347729.339	1041042.417	18.502	canal
206	1347729.418	1041042.691	18.541	via
207	1347729.559	1041044.232	18.604	via
208	1347729.801	1041045.85	18.653	via
209	1347729.913	1041048.181	18.345	cerco
210	1347708.574	1041043.123	18.572	cerco
211	1347708.597	1041043.712	18.535	cerramiento
212	1347692.078	1041045.89	18.493	cerramiento
213	1347692.502	1041046.646	18.505	via
214	1347692.664	1041048.351	18.587	via
215	1347692.779	1041049.933	18.669	via
216	1347692.993	1041052.461	18.474	cerco
217	1347665.052	1041049.153	18.218	cerramiento
218	1347664.867	1041049.984	18.309	via
219	1347665.307	1041051.749	18.341	via
220	1347665.669	1041053.289	18.32	via
221	1347665.582	1041055.458	18.242	cerco
222	1347649.575	1041050.46	18.253	cerramiento
223	1347649.17	1041049.718	18.381	cerco
224	1347647.94	1041051.94	18.448	cerco
225	1347648.398	1041053.512	18.469	cerco
226	1347648.875	1041054.871	18.506	cerco
227	1347649.294	1041056.085	18.412	canal
228	1347649.363	1041056.421	17.981	canal
229	1347649.499	1041056.997	17.952	canal
230	1347649.467	1041057.193	18.404	canal
231	1347649.481	1041057.495	18.41	cerco
232	1347640.676	1041057.933	18.404	arbol
233	1347616.508	1041061.342	18.462	cerco
234	1347616.349	1041060.893	18.347	canal
235	1347616.245	1041060.528	17.673	canal
236	1347616.055	1041060.073	17.858	canal
237	1347616.054	1041059.66	18.374	canal
238	1347615.238	1041058.536	18.528	via
239	1347614.852	1041056.722	18.565	via
240	1347614.627	1041055.338	18.552	via
241	1347614.414	1041054.627	18.527	TOPO
242	1347614.409	1041054.241	18.389	cerco
243	1347606.231	1041055.002	18.537	cerco

244	1347597.076	1041049.665	18.353	cerco
245	1347586.042	1041052.542	18.362	cerco
246	1347583.263	1041056.522	18.405	cerco
247	1347587.379	1041058.344	18.639	pavimento
248	1347587.746	1041061.458	18.625	pavimento
249	1347590.133	1041062.19	18.439	canal
250	1347590.37	1041062.854	17.63	canal
251	1347590.463	1041063.311	17.627	canal
252	1347590.53	1041063.62	18.249	canal
253	1347590.455	1041064.051	18.442	cerco
254	1347590.067	1041061.069	18.509	via
255	1347589.992	1041059.277	18.513	via
256	1347589.701	1041057.772	18.549	via
257	1347562.834	1041061	18.617	pavimento
258	1347562.661	1041062.463	18.615	pavimento
259	1347562.324	1041064.114	18.598	pavimento
260	1347560.084	1041066.953	18.46	OBRA
261	1347561.031	1041065.339	18.51	OBRA
262	1347562.963	1041065.391	18.54	OBRA
263	1347563.643	1041067.318	18.485	OBRA
264	1347564.95	1041057.866	18.112	OBRA
265	1347563.847	1041059.595	18.554	OBRA
266	1347562.085	1041059.641	18.545	OBRA
267	1347561.499	1041057.977	18.204	OBRA
268	1347562.145	1041058.815	16.642	fondo
269	1347533.999	1041062.031	18.591	pavimento
270	1347533.993	1041065.177	18.607	pavimento
271	1347523.527	1041060.022	18.568	cerco
272	1347523.515	1041060.478	18.441	canal
273	1347523.54	1041060.591	18.213	canal
274	1347523.586	1041061.057	18.237	canal
275	1347523.589	1041061.563	18.556	canal
276	1347523.787	1041062.238	18.621	via
277	1347523.698	1041063.665	18.673	via
278	1347523.462	1041065.348	18.606	via
279	1347523.416	1041066.272	18.382	canal
280	1347523.343	1041066.558	18.034	canal
281	1347523.327	1041066.891	18.004	canal
282	1347523.104	1041067.284	18.458	canal
283	1347523.086	1041067.943	18.567	cerco
284	1347509.502	1041068.226	18.481	arbol

285	1347506.186	1041068.891	18.459	cerco
286	1347506.216	1041068.51	18.372	canal
287	1347506.293	1041068.211	18.276	canal
288	1347506.304	1041067.58	18.279	canal
289	1347506.317	1041067.168	18.451	canal
290	1347506.107	1041066.412	18.525	via
291	1347505.929	1041065.087	18.6	via
292	1347505.573	1041063.315	18.525	via
293	1347505.634	1041063.295	18.516	via
294	1347505.295	1041062.612	18.478	canal
295	1347505.102	1041062.107	18.212	canal
296	1347505.132	1041062.073	18.209	canal
297	1347504.963	1041061.427	18.214	canal
298	1347504.982	1041061.043	18.322	canal
299	1347502.959	1041061.114	18.357	cerco
300	1347497.606	1041061.408	18.336	canal
301	1347497.579	1041061.667	18.233	canal
302	1347497.74	1041062.361	18.244	canal
303	1347497.725	1041062.708	18.347	canal
304	1347496.467	1041061.437	18.341	cerco
305	1347496.408	1041062.864	18.347	cerco
306	1347496.351	1041063.763	18.447	via
307	1347496.48	1041065.147	18.514	via
308	1347496.738	1041066.963	18.472	via
309	1347494.847	1041067.857	18.475	cerco
310	1347496.368	1041073.494	18.34	cerco
311	1347504.863	1041077.379	18.487	cerco
312	1347500.515	1041074.994	18.511	TOPO
313	1347472.416	1041069.783	18.43	cerco
314	1347472.475	1041068.919	18.54	via
315	1347472.396	1041067.615	18.605	via
316	1347472.213	1041065.884	18.462	via
317	1347471.841	1041065.304	18.528	cerco
318	1347470.19	1041063.694	18.36	TOPO
319	1347447.922	1041065.224	18.436	TOPO
320	1347447.705	1041067.07	18.382	cerco
321	1347447.76	1041067.682	18.452	via
322	1347447.972	1041069.436	18.564	via
323	1347448.081	1041071.091	18.54	via
324	1347447.958	1041071.586	18.518	cerco
325	1347421.024	1041073.549	18.507	cerco

326	1347421.007	1041072.928	18.453	via
327	1347420.758	1041071.417	18.522	via
328	1347420.704	1041069.519	18.436	via
329	1347420.329	1041069.136	18.514	cerco
330	1347420.225	1041067.294	18.33	TOPO
331	1347405.559	1041067.79	18.236	TOPO
332	1347402.605	1041070.233	18.432	cerco
333	1347402.431	1041074.742	18.421	cerco
334	1347402.281	1041074.007	18.463	via
335	1347402.253	1041072.595	18.527	via
336	1347402.172	1041070.991	18.409	via
337	1347376.307	1041071.86	18.35	via
338	1347376.024	1041073.593	18.471	via
339	1347375.979	1041075.012	18.467	via
340	1347374.774	1041075.522	18.327	cerco
341	1347376.175	1041071.462	18.47	cerco
342	1347376.331	1041069.242	18.307	TOPO
343	1347353.903	1041068.866	18.314	TOPO
344	1347353.878	1041071.094	18.455	cerco
345	1347353.776	1041075.408	18.399	cerco
346	1347353.696	1041074.803	18.456	via
347	1347353.773	1041073.342	18.526	via
348	1347353.575	1041071.451	18.378	via
349	1347332.015	1041070.547	18.526	via
350	1347331.801	1041072.264	18.59	via
351	1347331.626	1041073.939	18.569	via
352	1347331.733	1041074.586	18.556	cerco
353	1347331.834	1041070.092	18.534	cerco
354	1347331.393	1041067.886	18.454	TOPO
355	1347303.99	1041067.463	18.485	TOPO
356	1347303.105	1041069.76	18.548	cerco
357	1347304.183	1041074.106	18.529	cerco
358	1347297.503	1041075.01	18.564	cerco
359	1347296.663	1041076.995	18.487	cerco
360	1347297.485	1041074.164	18.549	via
361	1347297.475	1041072.644	18.615	via
362	1347297.537	1041070.72	18.499	via
363	1347290.009	1041070.498	18.597	via
364	1347289.707	1041072.143	18.635	via
365	1347289.166	1041074.036	18.606	via
366	1347288.77	1041076.445	18.474	TOPO

367	1347284.478	1041076.034	18.512	cerco
368	1347279.388	1041072.388	18.45	cerco
369	1347279.481	1041071.822	18.498	via
370	1347280.076	1041069.767	18.51	via
371	1347280.424	1041068.496	18.443	via
372	1347286.534	1041071.413	18.581	via
373	1347286.356	1041073.193	18.603	via
374	1347287.187	1041070.297	18.603	via
375	1347287.353	1041069.279	18.337	cerco
376	1347287.763	1041066.775	18.37	TOPO
377	1347267.241	1041062.676	18.439	TOPO
378	1347266.842	1041064.677	18.504	cerco
379	1347266.724	1041065.323	18.608	via
380	1347266.578	1041066.665	18.571	via
381	1347266.921	1041068.092	18.571	via
382	1347266.998	1041069.461	18.528	cerco
383	1347250.249	1041061.926	18.616	cerco
384	1347249.804	1041066.256	18.518	cerco
385	1347249.911	1041065.507	18.616	via
386	1347250.106	1041063.883	18.609	via
387	1347250.44	1041062.675	18.64	via
388	1347249.314	1041059.736	18.482	TOPO
389	1347242.396	1041060.561	18.654	cerco
390	1347239.095	1041055.845	18.463	cerco
391	1347239.924	1041061.233	18.556	via
392	1347239.53	1041062.766	18.593	via
393	1347239.431	1041063.981	18.542	via
394	1347239.598	1041064.819	18.472	cerco
395	1347230.974	1041063.759	18.216	cerco
396	1347230.704	1041061.338	18.565	via
397	1347230.786	1041060.021	18.574	via
398	1347231.019	1041058.419	18.611	via
399	1347231.155	1041055.698	18.61	TOPO
400	1347223.121	1041050.967	18.576	cerco
401	1347218.905	1041053.926	18.507	cerco
402	1347213.751	1041059.692	18.39	cerco
403	1347216.903	1041058.168	18.537	via
404	1347217.546	1041056.674	18.565	via
405	1347218.163	1041055.067	18.485	via
406	1347212.943	1041049.382	18.506	cerco
407	1347212.149	1041049.95	18.169	canal

408	1347211.548	1041050.48	18.125	canal
409	1347211.399	1041050.814	18.406	canal
410	1347211.513	1041049.735	18.058	canal
411	1347210.66	1041051.522	18.476	via
412	1347209.523	1041052.74	18.564	via
413	1347208.611	1041053.602	18.599	via
414	1347206.919	1041053.906	18.505	cerco
415	1347201.008	1041048.664	18.542	cerco
416	1347201.795	1041047.731	18.542	via
417	1347202.621	1041046.732	18.547	via
418	1347203.364	1041045.667	18.462	via
419	1347204.308	1041044.435	18.416	canal
420	1347204.61	1041044.191	17.759	canal
421	1347204.993	1041043.711	17.741	canal
422	1347205.375	1041043.402	18.52	canal
423	1347207.442	1041045.101	18.491	cerco
424	1347197.994	1041035.689	18.669	arbol
425	1347196.823	1041034.173	18.753	cerco
426	1347196.547	1041034.499	18.542	canal
427	1347195.944	1041034.855	17.686	canal
428	1347195.636	1041035.182	17.719	canal
429	1347195.442	1041035.802	18.453	canal
430	1347194.588	1041036.782	18.559	via
431	1347193.309	1041037.829	18.615	via
432	1347192.385	1041038.69	18.545	via
433	1347194.218	1041041.896	18.654	cerco
434	1347184.157	1041031.506	18.592	cerco
435	1347184.966	1041030.725	18.539	via
436	1347185.799	1041029.821	18.529	via
437	1347186.625	1041029.047	18.501	via
438	1347187.292	1041027.891	18.205	canal
439	1347187.979	1041027.556	17.619	canal
440	1347188.389	1041027.153	17.554	canal
441	1347188.854	1041026.793	18.505	canal
442	1347189.295	1041026.239	18.648	cerco
443	1347179.884	1041017.224	18.123	cerco
444	1347179.449	1041017.948	17.998	canal
445	1347179.316	1041018.268	17.535	canal
446	1347178.806	1041018.939	17.595	canal
447	1347178.322	1041019.522	18.233	canal
448	1347177.586	1041020.486	18.433	via

449	1347176.657	1041021.692	18.438	via
450	1347175.635	1041022.716	18.445	via
451	1347174.986	1041024.008	18.378	cerco
452	1347169.094	1041019.486	17.918	OBRA
453	1347168.45	1041017.594	18.51	OBRA
454	1347167.365	1041016.89	18.545	OBRA
455	1347172.441	1041013.804	18.326	OBRA
456	1347170.784	1041013.831	18.516	OBRA
457	1347169.523	1041013.363	18.539	OBRA
458	1347170.471	1041013.423	17.587	fondo
459	1347169.209	1041013.387	18.539	via
460	1347168.38	1041014.572	18.523	via
461	1347167.331	1041015.859	18.545	via
462	1347165.836	1041015.547	18.618	cerramiento
463	1347168.364	1041008.806	18.386	canal
464	1347169.022	1041008.079	17.552	canal
465	1347169.534	1041007.389	17.496	canal
466	1347169.917	1041006.943	18.428	canal
467	1347170.412	1041006.41	18.579	cerco
468	1347165.118	1041000.434	18.603	arbol
469	1347159.248	1040991.665	18.924	cerco
470	1347158.987	1040992.38	18.527	canal
471	1347158.593	1040992.935	17.523	canal
472	1347157.876	1040993.63	17.565	canal
473	1347156.969	1040994.521	18.684	canal
474	1347155.971	1040995.338	18.733	via
475	1347154.705	1040996.328	18.762	via
476	1347153.056	1040996.682	18.71	via
477	1347151.999	1040997.342	18.627	cerramiento
478	1347149.025	1040993.456	18.625	cerramiento
479	1347142.14	1040984.67	18.775	cerramiento
480	1347139.289	1040980.888	18.674	cerramiento
481	1347138.877	1040981.87	18.815	cerramiento
482	1347141.014	1040984.856	18.809	cerramiento
483	1347140.809	1040981.651	18.709	via
484	1347142.213	1040980.751	18.665	via
485	1347143.389	1040980.061	18.672	via
486	1347144.938	1040979.168	18.41	canal
487	1347145.736	1040978.407	17.448	canal
488	1347146.38	1040977.82	17.389	canal
489	1347146.775	1040977.292	18.267	canal

490	1347147.275	1040977.072	18.499	cerco
491	1347136.281	1040961.645	18.43	cerco
492	1347136.055	1040961.915	18.322	canal
493	1347135.6	1040962.542	17.512	canal
494	1347135.012	1040963.433	17.488	canal
495	1347134.212	1040963.728	18.466	canal
496	1347132.478	1040964.336	18.655	via
497	1347130.898	1040965.47	18.591	via
498	1347129.797	1040966.176	18.58	via
499	1347125.774	1040962.679	18.546	cerramiento
500	1347126.099	1040961.955	18.469	via
501	1347127.081	1040960.567	18.511	via
502	1347127.706	1040959.665	18.51	via
503	1347129.475	1040957.697	18.364	canal
504	1347129.643	1040956.867	17.46	canal
505	1347131.056	1040956.49	17.454	canal
506	1347131.453	1040955.903	18.122	canal
507	1347131.875	1040956.154	18.266	cerco
508	1347123.717	1040953.085	18.321	TOPO
509	1347119.541	1040949.423	18.249	TOPO
510	1347116.037	1040946.719	18.219	TOPO
511	1347116.042	1040951.93	18.295	TOPO
512	1347122.699	1040955.681	18.421	via
513	1347121.971	1040957.137	18.377	via
514	1347121.206	1040958.429	18.401	via
515	1347117.461	1040957.583	18.324	via
516	1347117.226	1040955.665	18.303	via
517	1347117.425	1040953.778	18.355	via
518	1347113.219	1040954.444	18.367	via
519	1347113.587	1040956.258	18.339	via
520	1347114.049	1040957.876	18.234	via
521	1347112.784	1040961.224	18.529	cerramiento
522	1347105.854	1040956.596	18.046	cerco
523	1347099.88	1040947.582	18.068	cerco
524	1347110.363	1040950.26	18.213	TOPO
525	1347106.131	1040960.672	18.346	via
526	1347107.643	1040961.9	18.366	via
527	1347108.832	1040963.094	18.391	via
528	1347088.673	1040981.416	18.523	cerramiento
529	1347088.402	1040981.011	18.49	via
530	1347087.341	1040979.831	18.466	via

531	1347086.188	1040978.918	18.471	via
532	1347084.377	1040977.343	18.178	via
533	1347084.362	1040977.357	18.17	canal
534	1347084.047	1040977.08	17.828	canal
535	1347083.479	1040976.679	17.843	canal
536	1347083.141	1040976.447	18.177	canal
537	1347082.776	1040976.255	18.183	cerco
538	1347083.197	1040985.935	18.383	cerramiento
540	1347066.641	1040999.79	18.552	cerco
541	1347066.108	1040999.144	18.663	via
542	1347065.231	1040998.359	18.593	via
543	1347063.994	1040997.124	18.654	via
544	1347061.97	1040994.852	18.273	canal
545	1347061.641	1040994.528	17.767	canal
546	1347061.027	1040994.241	17.8	canal
547	1347060.756	1040993.848	18.35	canal
548	1347061.029	1040993.399	18.404	cerco
549	1347045.945	1041016.782	18.881	cerco
550	1347045.199	1041016.026	18.787	via
551	1347044.087	1041014.825	18.742	via
552	1347042.857	1041013.633	18.718	via
553	1347042.022	1041011.101	18.23	canal
554	1347041.965	1041010.45	17.935	canal
555	1347041.612	1041010.115	17.92	canal
556	1347041.426	1041009.527	18.389	canal
557	1347043.087	1041007.479	18.37	cerco
558	1347033.85	1041013.267	18.493	cerco
559	1347034.487	1041013.485	18.508	canal
560	1347034.872	1041013.849	17.823	canal
561	1347035.427	1041014.572	17.78	canal
562	1347035.776	1041014.913	18.475	canal
563	1347037.547	1041016.742	18.769	via
564	1347038.211	1041018.124	18.789	via
565	1347038.87	1041019.615	18.803	via
566	1347039.145	1041020.248	18.865	cerco
567	1347016.676	1041031.635	18.832	cerco
568	1347016.28	1041031.159	18.767	via
569	1347015.674	1041029.939	18.795	via
570	1347015.081	1041028.646	18.818	via
571	1347013.699	1041026.554	18.418	canal
572	1347013.37	1041026.151	17.704	canal

573	1347012.752	1041025.521	17.685	canal
574	1347012.508	1041024.94	18.437	canal
575	1347010.706	1041024.77	18.519	cerco
576	1346996.919	1041041.589	18.886	cerco
577	1346996.636	1041041.243	18.858	via
578	1346995.878	1041039.494	18.835	via
579	1346995.371	1041037.673	18.844	via
580	1346994.004	1041035.753	18.3	canal
581	1346994.214	1041035.332	17.822	canal
582	1346993.441	1041034.552	17.885	canal
583	1346993.368	1041034.174	18.398	canal
584	1346992.688	1041033.609	18.46	cerco
585	1346976.029	1041051.135	19.063	cerco
586	1346975.867	1041050.665	19.005	via
587	1346975.329	1041049.175	19.017	via
588	1346974.692	1041047.721	18.977	via
589	1346980.409	1041042.205	18.663	canal
590	1346980.229	1041041.581	17.779	canal
591	1346979.564	1041040.891	17.781	canal
592	1346979.205	1041040.391	18.498	canal
593	1346979.106	1041039.67	18.569	cerco
594	1346962.752	1041057.654	19.009	cerco
595	1346962.526	1041057.298	18.981	via
596	1346961.88	1041055.858	19.012	via
597	1346961.141	1041054.107	18.995	via
598	1346960.791	1041051.066	18.586	canal
599	1346960.726	1041050.588	17.755	canal
600	1346960.275	1041049.65	17.788	canal
601	1346960.1	1041049.377	18.588	canal
602	1346960.541	1041048.38	18.632	cerco
603	1346946.306	1041065.663	18.98	cerco
604	1346946.148	1041065.263	18.924	via
605	1346945.644	1041063.781	18.875	via
606	1346944.883	1041062.039	18.9	via
607	1346941.856	1041060.463	18.674	canal
608	1346941.541	1041059.628	17.75	canal
609	1346940.969	1041058.725	17.893	canal
610	1346940.802	1041058.211	18.606	canal
611	1346940.764	1041057.224	18.726	cerco
612	1347353.073	1041078.78	18.389	TOPO
613	1347370.684	1041078.159	18.2	TOPO

614	1347390.458	1041077.352	18.351	TOPO
615	1347412.241	1041076.398	18.451	TOPO
616	1347434.373	1041075.065	18.353	TOPO
617	1347457.168	1041073.126	18.305	TOPO
618	1347478.498	1041071.354	18.347	TOPO
619	1347491.962	1041069.677	18.348	TOPO
620	1347817.833	1041030.633	18.777	OBRA
621	1347818.982	1041032.129	18.912	OBRA
622	1347822.176	1041031.603	18.889	OBRA
623	1347821.81	1041029.992	18.801	OBRA
624	1347820.581	1041038.958	18.85	OBRA
625	1347821.002	1041037.106	18.936	OBRA
626	1347824.004	1041036.562	18.922	OBRA
627	1347824.703	1041038.386	18.915	OBRA
628	1347820.475	1041031.309	17.304	fondo
629	1347855.469	1041009.587	18.931	cerco
630	1347903.242	1041028.467	18.914	arbol
631	1347912.622	1041027.488	18.83	canal
632	1347912.631	1041027.689	18.582	canal
633	1347912.763	1041028.444	18.613	canal
634	1347912.694	1041028.765	18.776	canal
635	1347913.252	1041029.082	18.749	cerco
636	1347914.125	1041033.907	18.902	cerco
637	1347916.981	1041028.753	18.984	TOPO
638	1347916.922	1041026.175	18.873	via
639	1347916.691	1041024.079	18.907	via
640	1347916.496	1041022.493	18.841	via
641	1347916.498	1041020.168	18.866	TOPO
642	1347929.629	1041019.042	18.931	TOPO
643	1347929.905	1041021.056	18.987	via
644	1347930.456	1041022.786	19.016	via
645	1347930.872	1041024.316	19.011	via
646	1347931.214	1041026.071	19.234	TOPO
647	1347947.296	1041016.785	18.777	cerco
648	1347947.541	1041018.577	18.994	via
649	1347947.978	1041019.988	19.153	via
650	1347948.948	1041021.581	19.095	via
651	1347955.252	1041023.658	18.895	TOPO
652	1347974.513	1041021.013	19.064	TOPO
653	1347974.312	1041018.687	19.015	via
654	1347973.947	1041016.991	19.145	via

655	1347973.635	1041015.12	19.043	via
656	1347973.249	1041013.897	18.98	cerco
657	1347987.47	1041011.417	19.086	cerco
658	1347987.664	1041013.008	19.326	via
659	1347988.207	1041015.116	19.306	via
660	1347988.597	1041017.075	19.354	via
661	1347989.098	1041019.144	19.069	TOPO
662	1347997.225	1041012.542	20.443	via
663	1347996.907	1041014.871	20.457	via
664	1348005.345	1041018.087	20.525	OBRA
665	1348002.493	1041012.424	16.994	fondo
666	1347847.121	1041033.084	19.116	pavimento
667	1347846.815	1041030.153	19.105	pavimento
668	1347847.356	1041026.646	18.935	cerramiento
669	1347847.865	1041021.238	18.902	cerramiento
670	1347857.586	1041028.794	18.942	via
671	1348416.891	1041118.129	19.689	cerco
672	1348416.369	1041119.232	19.977	via
673	1348422.845	1041122.528	20.056	via
674	1348422.57	1041124.296	19.953	via
675	1348422.353	1041124.971	19.996	canal
676	1348422.345	1041125.513	19.576	canal
677	1348422.256	1041126.286	19.569	canal
678	1348422.123	1041126.553	19.724	canal
679	1348442.369	1041125.208	19.894	cerco
680	1348442.173	1041126.33	19.99	via
681	1348441.697	1041127.819	20.011	via
682	1348441.201	1041129.301	19.94	via
683	1348440.985	1041130.325	19.95	canal
684	1348440.826	1041130.625	19.641	canal
685	1348440.569	1041131.317	19.601	canal
686	1348440.291	1041131.786	19.868	canal
687	1348440.037	1041132.775	20.031	cerco
688	1348461.528	1041130.616	20.048	cerco
689	1348461.268	1041131.624	20.05	via
690	1348460.889	1041133.118	20.085	via
691	1348460.554	1041134.417	20.029	via
692	1348460.343	1041135.293	19.96	canal
693	1348460.332	1041135.759	19.709	canal
694	1348460.388	1041136.591	19.723	canal
695	1348460.341	1041136.638	19.986	canal

696	1348459.973	1041137.513	20.144	cerco
697	1348477.778	1041135.092	20.006	cerco
698	1348477.676	1041136.047	20.015	via
699	1348477.442	1041137.802	20.052	via
700	1348477.04	1041139.176	19.996	via
701	1348475.999	1041140.484	19.805	canal
702	1348475.907	1041140.711	19.562	canal
703	1348475.795	1041141.289	19.656	canal
704	1348475.495	1041141.521	19.89	canal
705	1348475.381	1041142.035	19.955	cerco
706	1348498.022	1041140.792	19.903	cerco
707	1348497.673	1041141.696	20.035	via
708	1348497.322	1041143.111	20.087	via
709	1348496.655	1041144.498	20.046	via
710	1348496.504	1041145.364	19.979	canal
711	1348496.238	1041145.775	19.75	canal
712	1348496.008	1041146.625	19.568	canal
713	1348495.75	1041147.056	19.728	canal
714	1348495.776	1041147.567	19.707	cerco
715	1348515.66	1041145.705	19.796	cerco
716	1348515.279	1041146.815	20.062	via
717	1348514.953	1041148.546	20.085	via
718	1348514.557	1041149.733	20.044	via
719	1348514.344	1041150.821	19.892	canal
720	1348514.259	1041151.171	19.721	canal
721	1348533.647	1041150.34	20.123	cerco
722	1348533.236	1041151.602	19.966	via
723	1348532.661	1041153.541	20.105	via
724	1348533.846	1041155.46	20.03	via
725	1348533.738	1041156.412	19.958	canal
726	1348533.611	1041156.988	19.773	canal
727	1348533.274	1041158.075	19.759	canal
728	1348533.173	1041158.258	20.072	canal
729	1348533.145	1041159.317	20.355	cerco
730	1348547.495	1041153.909	20.165	cerco
731	1348552.97	1041153.058	20.249	cerco
732	1348551.374	1041141.015	20.347	cerco
733	1348553.023	1041141.071	20.224	via
734	1348557.987	1041140.012	20.102	via
735	1348560.223	1041147.504	20.123	via
736	1348555.389	1041149.511	20.412	via

737	1348557.229	1041154.368	20.486	via
738	1348562.35	1041152.022	20.224	via
739	1348564.866	1041155.858	20.247	via
740	1348568.126	1041158.875	20.259	via
741	1348571.134	1041160.801	20.235	via
742	1348568.985	1041164.901	20.45	via
743	1348564.96	1041162.873	20.501	via
744	1348561.991	1041160.238	20.539	via
745	1348559.823	1041157.895	20.552	via
746	1348547.266	1041155.304	20.169	via
747	1348546.971	1041157.384	20.182	via
748	1348546.561	1041159.099	20.128	via
749	1348546.066	1041160.328	20.081	canal
750	1348545.809	1041160.955	19.775	canal
751	1348545.419	1041161.895	19.732	canal
752	1348545.261	1041162.23	20.142	canal
753	1348544.863	1041162.895	20.295	cerco
754	1348552.887	1041165.588	20.206	cerco
755	1348552.949	1041165.012	20.099	canal
756	1348552.992	1041164.58	19.876	canal
757	1348552.846	1041163.324	19.855	canal
758	1348552.939	1041162.735	20.094	canal
759	1348552.967	1041159.739	20.233	via
760	1348553.22	1041157.777	20.223	via
761	1348553.077	1041154.982	20.175	via
762	1348557.903	1041160.798	20.327	via
763	1348561.361	1041161.844	20.439	via

TARJETA PROFESIONAL

República de Colombia

CONSEJO PROFESIONAL NACIONAL DE TOPOGRAFIA

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De Fecha: 7 de mayo de 2021



TECNÓLOGO EN TOPOGRAFÍA
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Presidente

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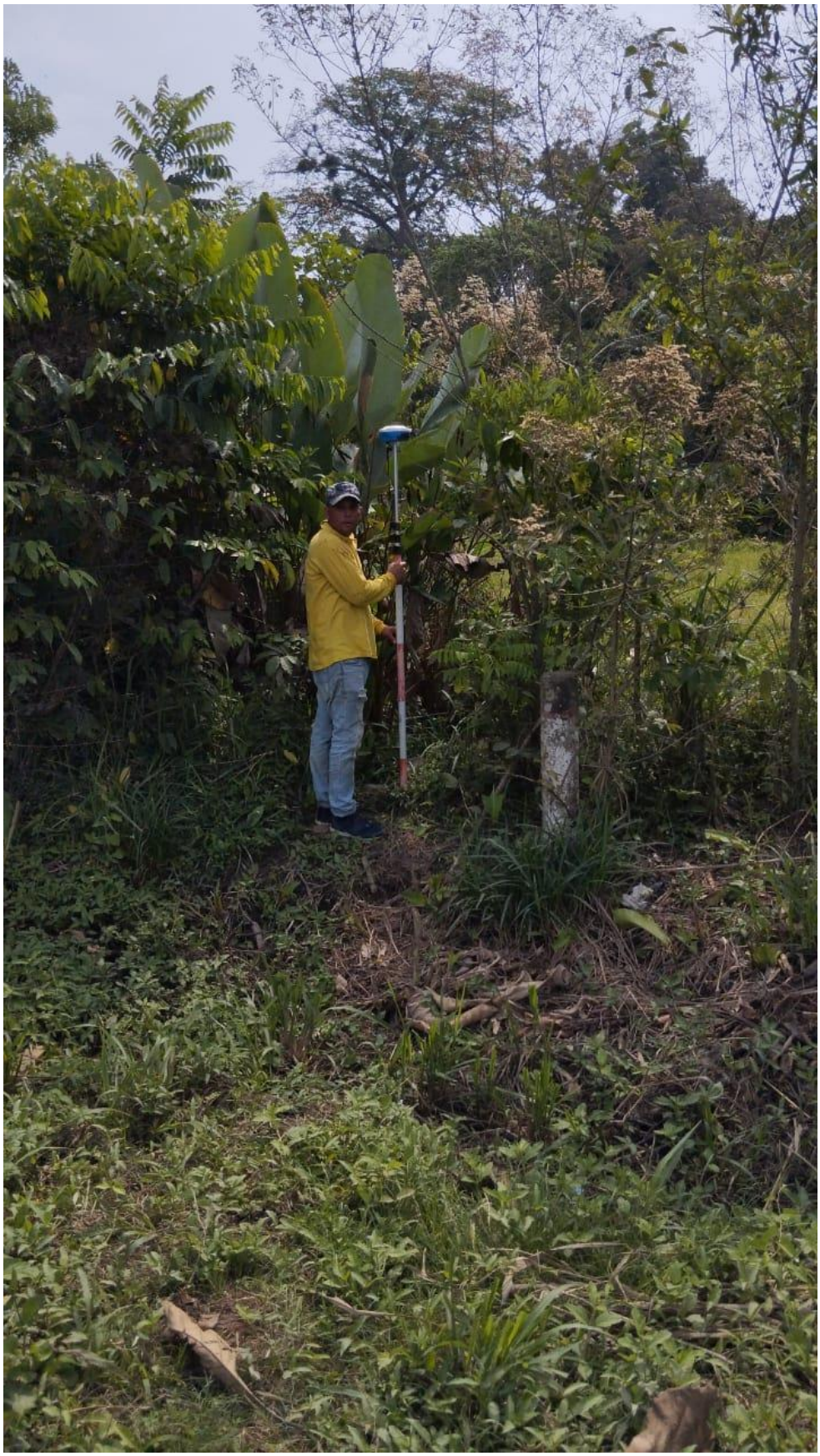





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