

AGÊNCIA NACIONAL DE ENERGIA ELÉTRICA – ANEEL

RESOLUÇÃO AUTORIZATIVA Nº 11.440, DE 29 DE MARÇO DE 2022

Declara de utilidade pública, em favor da Tito Produtora de Energia Elétrica SPE Ltda., áreas de terra necessárias à implantação da Pequena Central Hidrelétrica São Luís, localizada nos municípios de Clevelândia e Honório Serpa, no estado do Paraná.

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O DIRETOR-GERAL DA AGÊNCIA NACIONAL DE ENERGIA ELÉTRICA – ANEEL, no uso de suas atribuições regimentais, de acordo com deliberação da Diretoria, tendo em vista o disposto no art. 29, inciso VIII, da Lei nº 8.987, de 13 de fevereiro de 1995, no art. 10 da Lei nº 9.074, de 7 de julho de 1995, com redação dada pela Lei nº 9.648, de 27 de maio de 1998, no Decreto-Lei nº 3.365, de 21 de junho de 1941, com base no art. 3º-A da Lei nº 9.427, de 26 de dezembro de 1996, no art. 1º do Decreto nº. 10.272, de 12 de março de 2020, na Resolução Normativa Aneel nº 919, de 23 de fevereiro de 2021, e o que consta do Processo nº 48500.004454/2021-88, resolve:

Art. 1º Declarar de utilidade pública, para fins de desapropriação ou uso, em favor da Tito Produtora de Energia Elétrica SPE Ltda., inscrita no CNPJ/MF sob o nº 29.369.506/0001-54, com sede na rua Pedro Metzen, s/n, bairro Linha São João, Zona Rural, no município de Clevelândia, no estado do Paraná, CEP 85.530-000; de áreas que perfazem uma superfície de 314,8531ha (trezentos e quatorze hectares, oitenta e cinco ares e trinta e um centiares), localizadas nos municípios de Clevelândia e Honório Serpa, no estado do Paraná, necessárias à implantação da PCH São Luís, cadastrada sob o Código Único de Empreendimentos de Geração nº CEG PCH.PH.PR.037258-7.01.

§ 1º As áreas de terras referidas no caput descrevem-se e caracterizam-se por meio de distâncias,

azimutes e coordenadas dos vértices de polígonos na projeção UTM, referenciadas ao Meridiano Central 51º W Gr, fuso 22 S, tendo como *Datum* horizontal o SIRGAS 2000, conforme memorial descritivo constante no Anexo “MEMORIAIS 8329” desta Resolução.

§ 2º A Tito Produtora de Energia Elétrica SPE Ltda., deverá fiscalizar as terras destinadas à implantação da PCH São Luís, promovendo sua gestão sócio-patrimonial.

Art. 2º Em relação às propriedades privadas referidas no art. 1º, a Tito Produtora de Energia Elétrica SPE Ltda., fica autorizada a promover, com recursos próprios, amigável ou judicialmente, as desapropriações de domínio, podendo, inclusive, invocar o caráter de urgência para fins de imissão

provisória na posse dos bens, nos termos do art. 15 do Decreto-Lei nº 3.365, de 21 de junho de 1941, alterado pela Lei nº 2.786, de 21 de maio de 1956.

Art. 3º Em relação às propriedades públicas eventualmente contidas nos polígonos referido no art. 1º, a DUP denota afetação específica de geração de energia elétrica, cabendo à Tito Produtora de Energia Elétrica SPE Ltda., a postulação de instrumentos que permitam o pretendido uso.

§1º A declaração de utilidade pública das áreas públicas não confere poderes expropriatórios à Tito Produtora de Energia Elétrica SPE Ltda., em face da União ou dos órgãos da Administração Pública Federal Indireta.

§2º A cessão das áreas públicas declaradas de utilidade pública será formalizada mediante ulterior contrato de cessão de uso a ser celebrado com a Tito Produtora de Energia Elétrica SPE Ltda., nos termos da Lei nº 9.636, de 15 de maio de 1998.

Art. 4º A Tito Produtora de Energia Elétrica SPE Ltda., deverá apresentar em até 60 (sessenta) dias a contar da data de entrada em operação do empreendimento, o Quadro-Resumo do Levantamento e Situação das Áreas Objeto da Declaração de Utilidade Pública - DUP, conforme modelo do Anexo III da Resolução Normativa Aneel nº [919](#), de 23 de fevereiro de 2021, assinado pelo representante legal, devidamente preenchido de forma que seja possível a identificação dos proprietários ou possuidores das áreas de terra afetadas.

Art. 5º A Tito Produtora de Energia Elétrica SPE Ltda., fica obrigada a atender às determinações emanadas das leis e dos regulamentos administrativos estabelecidos pelos órgãos ambientais, aplicáveis ao empreendimento, bem como aos procedimentos previstos nas normas e regulamentos que disciplinam a construção, operação e manutenção de Pequenas Centrais Hidrelétricas.

Art. 6º A descrição das áreas de terras referidas no § 2º do art. 1º, contida no Anexo desta Resolução, encontra-se no Processo supracitado e está disponível em www.aneel.gov.br.

Art. 7º Esta Resolução entra em vigor na data de sua publicação.

ANDRÉ PEPITONE DA NÓBREGA

ANEXO DA RESOLUÇÃO AUTORIZATIVA Nº 11.440, DE 29 DE MARÇO DE 2022

DECLARAÇÃO DE UTILIDADE PÚBLICA
Memorial Descritivo

(MEMORIAIS 8329)

Polígono 01				
UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4109658	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Acesso	Uso	0.27580924	Andreas Leonardo da Silva Kleina	ART nº 1720212837714
Vértice	Coordenada E (m)		Coordenada N (m)	
0	358310.5826		7094586.6149	
1	358309.1671		7094599.2929	
2	358309.0306		7094600.515	
3	358307.5368		7094610.4643	
4	358305.1658		7094620.2075	
5	358302.0752		7094630.6392	
6	358294.1807		7094657.5311	
7	358292.7771		7094666.7345	
8	358290.5157		7094681.563	
9	358287.6228		7094700.5321	
10	358283.88		7094695.39	
11	358278.8825		7094696.1567	
12	358284.3372		7094660.3896	
13	358281.6913		7094642.9164	
14	358283.8936		7094608.1566	
15	358283.1988		7094600.5464	

16	358281.7976	7094602.7537
17	358277.7391	7094581.5977
18	358275.6389	7094573.6106
19	358275.2854	7094569.8063
20	358276.3925	7094566.1519
21	358283.6174	7094561.2969
22	358281.3251	7094551.5627
23	358291.3459	7094552.2346
24	358292.9618	7094559.0964
25	358308.152	7094568.6171
26	358310.391	7094578.1249
27	358310.5826	7094586.6149

Polígono 02

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4109658	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Acesso	Servidão Administrativa	0.1143	Andreas Leonardo da Silva Kleina	ART nº 1720212837714
Vértice	Coordenada E (m)		Coordenada N (m)	
0	358010.5596		7096515.3106	
1	358088.4451		7096558.4774	
2	358084.3669		7096565.6094	
3	358007.6336		7096522.8333	
4	357955.6343		7096510.2869	
5	357958.2777		7096502.7977	
6	358010.5596		7096515.3106	

Polígono 03

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4109658	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Área de Preservação	Desapropriação	2.326	Andreas Leonardo da Silva Kleina	ART nº 1720212837714

Permanente			
Vértice	Coordenada E (m)		Coordenada N (m)
0	357801.361		7096250.279
1	357809.462		7096253.914
2	357822.502		7096258.304
3	357835.571		7096263.849
4	357846.796		7096269.265
5	357859.313		7096272.635
6	357873.859		7096277.474
7	357889.561		7096285.698
8	357904.271		7096293.969
9	357927.272		7096312.448
10	357939.517		7096322.561
11	357953.062		7096336.821
12	357963.117		7096353.724
13	357968.835		7096372.543
14	357970.257		7096388.217
15	357968.99		7096417.84
16	357964.299		7096440.658
17	357906.666		7096442.341
18	357888.661		7096442.866
19	357878.738		7096444.651
20	357873.8722		7096445.5262
21	357873.337		7096442.856
22	357873.356		7096442.831
23	357884.211		7096413.688
24	357885.469		7096388.008
25	357858.367		7096365.626
26	357858.183		7096365.347

27	357858.173	7096365.31
28	357858.181	7096365.269
29	357858.17	7096365.254
30	357858.169	7096365.236
31	357858.093	7096365.233
32	357858.067	7096365.213
33	357857.959	7096365.179
34	357839.9	7096355.265
35	357818.903	7096352.299
36	357815.225	7096350.194
37	357808.954	7096345.243
38	357802.414	7096341.985
39	357791.1953	7096337.2247
40	357752.935	7096286.298
41	357753.6158	7096192.8678
42	357760.105	7096202.604
43	357786.918	7096233.947
44	357801.361	7096250.279

Polígono 04

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4109658	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Área de Preservação Permanente	Uso	20.5342	Andreas Leonardo da Silva Kleina	ART nº 1720212837714
Vértice	Coordenada E (m)		Coordenada N (m)	
0	357791.1953		7096337.2247	
1	357789.346		7096336.44	
2	357783.085		7096334.657	
3	357777.133		7096333.427	
4	357773.51		7096332.342	

5	357756.483	7096323.308
6	357751.769	7096319.319
7	357742.064	7096309.867
8	357739.023	7096306.498
9	357723.857	7096290.842
10	357714.147	7096279.28
11	357710.589	7096275.21
12	357698.868	7096261.77
13	357687.002	7096247.397
14	357685.224	7096244.263
15	357682.948	7096240.737
16	357673.678	7096225.961
17	357662.105	7096208.01
18	357660.335	7096204.789
19	357645.066	7096177.443
20	357640.017	7096168.376
21	357638.107	7096163.08
22	357634.302	7096150.116
23	357633.699	7096145.585
24	357632.506	7096145.049
25	357630.899	7096145.27
26	357628.995	7096145.335
27	357627.442	7096145.429
28	357626.254	7096145.376
29	357625.256	7096145.164
30	357622.422	7096144.714
31	357622.088	7096143.94
32	357622.678	7096143.197
33	357624.126	7096142.216

34	357625.12	7096141.945
35	357628.031	7096141.435
36	357630.388	7096141.23
37	357631.815	7096140.511
38	357636.334	7096134.332
39	357636.6	7096133.783
40	357636.005	7096128.594
41	357633.741	7096129.289
42	357630.126	7096128.688
43	357628.435	7096127.76
44	357623.596	7096124.292
45	357622.037	7096122.277
46	357621.551	7096120.656
47	357621.435	7096119.372
48	357620.309	7096112.033
49	357619.657	7096099.418
50	357617.303	7096080.035
51	357617.761	7096063.786
52	357618.458	7096058.723
53	357618.074	7096047.509
54	357617.019	7096026.031
55	357617.755	7096014.088
56	357620.021	7095997.303
57	357621.073	7095991.069
58	357626.673	7095973.97
59	357629.847	7095960.004
60	357630.93	7095953.905
61	357635.545	7095933.875
62	357639.352	7095917.467
63	357644.494	7095897.173
64	357650.039	7095879.781

65	357653.876	7095861.89
66	357655.561	7095852.404
67	357656.312	7095842.773
68	357659.525	7095832.15
69	357660.703	7095829.679
70	357668.614	7095817.895
71	357670.132	7095815.639
72	357670.855	7095814.014
73	357671.101	7095812.608
74	357671.286	7095809.718
75	357671.849	7095807.494
76	357675.062	7095802.596
77	357683.328	7095793.351
78	357688.083	7095788.434
79	357697.117	7095778.818
80	357710.13	7095767.244
81	357721.786	7095756.911
82	357724.221	7095754.165
83	357725.561	7095751.886
84	357727.885	7095748.501
85	357730.454	7095741.691
86	357731.197	7095738.676
87	357731.482	7095735.704
88	357731.191	7095733.836
89	357731.029	7095732.027
90	357729.14	7095725.779
91	357728.478	7095721.542
92	357730.343	7095709.234
93	357736.054	7095691.274
94	357737.979	7095686.589
95	357743.628	7095674.087
96	357753.454	7095658.172

97	357756.673	7095653.301
98	357761.657	7095643.441
99	357768.064	7095628.461
100	357773.894	7095615.853
101	357779.532	7095608.1
102	357782.361	7095605.134
103	357783.634	7095603.325
104	357789.724	7095594.734
105	357795.744	7095589.55
106	357800.665	7095586.595
107	357808.503	7095582.678
108	357820.462	7095577.401
109	357826.187	7095575.244
110	357837.872	7095572.819
111	357851.454	7095572.559
112	357860.879	7095572.412
113	357870.155	7095574.379
114	357878.833	7095578.1
115	357882.237	7095579.945
116	357885.124	7095580.445
117	357887.064	7095579.463
118	357887.78	7095579.054
119	357888.936	7095578.295
120	357894.277	7095575.649
121	357905.181	7095572.336
122	357912.284	7095571.085
123	357922.514	7095569.028
124	357935.148	7095565.462
125	357939.04	7095564.607
126	357953.002	7095560.387
127	357960.091	7095558.511
128	357961.259	7095557.664

129	357961.869	7095556.621
130	357962.519	7095554.827
131	357962.338	7095546.186
132	357961.251	7095540.021
133	357960.808	7095535.662
134	357960.418	7095534.374
135	357956.337	7095525.076
136	357955.283	7095522.159
137	357955.531	7095520.365
138	357955.875	7095520.092
139	357964.603	7095517.95
140	357970.681	7095518.315
141	357979.112	7095519.207
142	357985.239	7095520.332
143	357979.832	7095516.798
144	357967.388	7095512.304
145	357957.865	7095508.846
146	357946.228	7095503.953
147	357937.454	7095499.024
148	357934.772	7095497.082
149	357927.745	7095491.324
150	357921.504	7095484.543
151	357919.696	7095481.587
152	357918.624	7095478.046
153	357916.637	7095470.759
154	357913.096	7095461.033
155	357909.299	7095445.678
156	357908.356	7095440.596
157	357905.654	7095432.918
158	357903.725	7095425.903
159	357903.335	7095424.615
160	357902.907	7095422.879

161	357902.439	7095421.093
162	357902.119	7095419.191
163	357902.004	7095417.444
164	357901.987	7095416.02
165	357902.097	7095414.254
166	357902.265	7095413.161
167	357902.925	7095411.278
168	357903.692	7095409.628
169	357903.928	7095409.121
170	357905.067	7095407.335
171	357907.004	7095403.236
172	357921.014	7095382.014
173	357927.824	7095371.557
174	357929.072	7095370.004
175	357940.674	7095356.29
176	357945.38	7095351.024
177	357946.47	7095350.077
178	357959.167	7095340.927
179	357969.538	7095334.591
180	357975.332	7095331.578
181	357980.771	7095329.727
182	357982.794	7095328.837
183	357992.794	7095323.436
184	357996.862	7095320.678
185	357999.28	7095319.073
186	358001.59	7095317.234
187	358004.382	7095314.691
188	358005.739	7095313.371
189	358007.245	7095311.533
190	358008.444	7095310.418
191	358010.342	7095309.067
192	358018.021	7095303.275

193	358022.388	7095299.078
194	358023.618	7095297.698
195	358024.514	7095296.906
196	358025.498	7095295.722
197	358027.101	7095294.206
198	358028.774	7095292.874
199	358042.934	7095288.724
200	358045.314	7095287.471
201	358047.232	7095286.344
202	358053.41	7095281.987
203	358056.756	7095279.324
204	358057.84	7095277.66
205	358058.256	7095271.246
206	358057.787	7095265.135
207	358057.505	7095263.679
208	358057.253	7095261.958
209	358057.089	7095260.648
210	358057.081	7095259.934
211	358057.202	7095258.477
212	358057.391	7095257.206
213	358059.333	7095254.299
214	358060.477	7095252.107
215	358060.992	7095250.336
216	358061.161	7095249.241
217	358060.214	7095241.83
218	358058.683	7095236.003
219	358058.963	7095233.538
220	358058.605	7095216.609
221	358056.423	7095207.457
222	358049.108	7095185.578
223	358048.473	7095183.681
224	358046.683	7095175.017

225	358046.509	7095168.668
226	358047.468	7095165.741
227	358048.09	7095164.203
228	358048.82	7095162.901
229	358050.111	7095161.391
230	358051.085	7095160.695
231	358061.904	7095157.277
232	358065.84	7095154.94
233	358070.014	7095152.094
234	358071.678	7095151.249
235	358073.046	7095150.639
236	358075.534	7095150.017
237	358080.747	7095149.067
238	358082.97	7095148.817
239	358092.007	7095148.505
240	358096.699	7095148.211
241	358097.939	7095147.944
242	358099.503	7095147.579
243	358100.881	7095147.282
244	358102.602	7095147.112
245	358104.284	7095147.294
246	358106.024	7095147.751
247	358107.43	7095147.993
248	358109.327	7095148.243
249	358110.41	7095148.182
250	358117.889	7095146.629
251	358122.065	7095144.584
252	358123.66	7095143.954
253	358124.035	7095143.816
254	358128	7095143.622
255	358139.003	7095142.629
256	358149.348	7095142.323

257	358152.212	7095142.365
258	358163.922	7095139.53
259	358176.446	7095135.487
260	358178.612	7095135.364
261	358180.985	7095135.398
262	358182.934	7095135.609
263	358184.835	7095135.458
264	358186.698	7095134.857
265	358188.108	7095133.894
266	358189.813	7095133.498
267	358190.836	7095133.966
268	358191.622	7095134.944
269	358192.19	7095135.854
270	358200.143	7095145.554
271	358206.078	7095151.33
272	358209.075	7095154.155
273	358206.725	7095148.41
274	358201.147	7095138.342
275	358196.79	7095128.183
276	358193.511	7095123.899
277	358189.224	7095120.98
278	358188.103	7095120.189
279	358186.511	7095119.213
280	358185.301	7095118.413
281	358181.762	7095116.021
282	358179.579	7095114.713
283	358178.577	7095113.667
284	358178.156	7095112.64
285	358176.57	7095104.924
286	358173.39	7095097.035
287	358169.945	7095092.243
288	358168.658	7095090.944

289	358162.41	7095085.179
290	358159.26	7095080.955
291	358152.54	7095075.006
292	358146.359	7095070.232
293	358140.835	7095066.779
294	358136.776	7095064.242
295	358135.243	7095063.14
296	358134.016	7095061.713
297	358133.322	7095059.941
298	358133.541	7095058.804
299	358133.434	7095058.168
300	358131.462	7095051.08
301	358128.345	7095045.789
302	358119.267	7095034.186
303	358115.072	7095026.948
304	358105.379	7095009.342
305	358102.811	7095000.404
306	358103.187	7094999.462
307	358104.45	7094997.812
308	358106.324	7094995.915
309	358106.07	7094994.994
310	358104.728	7094992.216
311	358103.607	7094992.229
312	358099.44	7094994.193
313	358096.961	7094993.926
314	358088.564	7094986.595
315	358085.08	7094982.56
316	358077.353	7094975.658
317	358071.676	7094971.209
318	358067.462	7094968.48
319	358062.777	7094965.566
320	358059.722	7094963.676

321	358049.567	7094956.872
322	358041.558	7094949.317
323	358034.879	7094940.699
324	358032.802	7094936.504
325	358032.382	7094935.075
326	358028.563	7094922.567
327	358023.664	7094908.916
328	358021.896	7094902.789
329	358021.53	7094898.91
330	358019.562	7094894.547
331	358015.331	7094886.459
332	358013.744	7094883.477
333	358012.834	7094881.236
334	358010.804	7094873.473
335	358010.212	7094869.212
336	358009.924	7094860.295
337	358008.048	7094850.855
338	358007.022	7094832.686
339	358006.494	7094824.843
340	358007.106	7094810.066
341	358009.235	7094788.928
342	358011.004	7094779.353
343	358016.163	7094764.485
344	358017.512	7094757.304
345	358017.724	7094739.174
346	358017.906	7094736.17
347	358020.445	7094730.196
348	358023.11	7094725.393
349	358027.737	7094718.33
350	358033.533	7094709.313
351	358037.743	7094703.133
352	358048.064	7094685.699

353	358052.911	7094678.301
354	358061.796	7094665.812
355	358072.568	7094650.96
356	358078.43	7094642.92
357	358091.162	7094629.943
358	358102.151	7094621.124
359	358107.133	7094617.834
360	358118.96	7094612.812
361	358134.938	7094609.216
362	358142.501	7094608.192
363	358160.593	7094608.901
364	358170.469	7094609.398
365	358186.536	7094610.671
366	358192.29	7094610.994
367	358207.503	7094610.872
368	358219.446	7094611.256
369	358229.496	7094611.462
370	358232.175	7094611.421
371	358233.599	7094611.812
372	358235.272	7094612.723
373	358236.59	7094613.994
374	358237.809	7094615.342
375	358239.229	7094616.134
376	358240.228	7094615.984
377	358240.49	7094614.187
378	358239.659	7094611.1
379	358239.07	7094609.336
380	358238.547	7094607.758
381	358238.331	7094605.859
382	358238.677	7094604.472
383	358238.959	7094603.613
384	358239.115	7094601.58

385	358239.68	7094599.862
386	358240.673	7094598.284
387	358241.458	7094596.949
388	358242.226	7094595.389
389	358242.738	7094594.111
390	358243.09	7094593.038
391	358244.85	7094584.01
392	358244.922	7094574.559
393	358243.66	7094569.502
394	358242.816	7094565.788
395	358242.715	7094565.151
396	358242.313	7094562.203
397	358242.02	7094559.98
398	358242.059	7094559.139
399	358242.95	7094558.039
400	358243.147	7094557.883
401	358246.632	7094555.616
402	358255.351	7094554.323
403	358256.638	7094554.743
404	358257.063	7094555.284
405	358258.072	7094558.156
406	358260.858	7094563.363
407	358266.122	7094573.311
408	358271.173	7094580.957
409	358273.42	7094585.238
410	358274.39	7094589.012
411	358274.572	7094590.461
412	358274.57	7094591.576
413	358274.909	7094600.941
414	358275.252	7094608.789
415	358283.829	7094609.18
416	358281.691	7094642.916

417	358284.337	7094660.39
418	358278.883	7094696.157
419	358260.09	7094699.04
420	358223.02	7094704.68
421	358207.68	7094697.01
422	358148.02	7094694.01
423	358117.04	7094736.1
424	358103.6	7094759.16
425	358098.71	7094788.64
426	358092.69	7094810.48
427	358096.25	7094855.67
428	358106.81	7094881.48
429	358110.1	7094894.36
430	358128.07	7094906.18
431	358158.05	7094905.51
432	358188.19	7094968.82
433	358199.48	7094997.54
434	358244.76	7095047.61
435	358272.89	7095086.68
436	358287.16	7095120.02
437	358294.23	7095164.79
438	358293.83	7095183.29
439	358284.99	7095211.35
440	358254.12	7095225.8
441	358145.27	7095228.61
442	358148.16	7095252.34
443	358143.38	7095280.86
444	358142.15	7095305.79
445	358119.99	7095339.74
446	358078.99	7095368.26
447	358025.23	7095404.6
448	358004.33	7095414.55

449	357993.95	7095429.39
450	358019.17	7095439.63
451	358050.02	7095462.62
452	358064.8	7095484.24
453	358069.03	7095525.54
454	358064.64	7095557.34
455	358053.87	7095582.37
456	358035.24	7095608.21
457	357999.858	7095636.091
458	357990.54	7095639.57
459	357921.01	7095657.65
460	357898.07	7095669.72
461	357886.59	7095667.97
462	357848.85	7095660.43
463	357824.79	7095706.88
464	357816.65	7095721.95
465	357817.75	7095743.04
466	357814.2	7095762.97
467	357804.68	7095788.15
468	357790.44	7095809.82
469	357761.381	7095836.639
470	357757.07	7095840.429
471	357748.949	7095849.755
472	357740.413	7095865.276
473	357735.927	7095888.852
474	357729.484	7095913.324
475	357721.015	7095945.472
476	357717.162	7095962.142
477	357712.003	7095986.026
478	357703.281	7096022.484
479	357703.44	7096034.935
480	357704.096	7096050.186

481	357704.219	7096063.248
482	357704.059	7096076.325
483	357707.823	7096081.513
484	357713.606	7096092.023
485	357720.687	7096114.859
486	357722.381	7096129.245
487	357722.208	7096139.442
488	357728.327	7096151.425
489	357734.445	7096163.409
490	357745.018	7096179.968
491	357753.6158	7096192.8678
492	357753.1091	7096286.5298
493	357791.1953	7096337.2247

Polígono 05

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4109658	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Área de Preservação Permanente	Uso	45.9171	Andreas Leonardo da Silva Kleina	ART nº 1720212837714
Vértice	Coordenada E (m)		Coordenada N (m)	
0	358686.72		7094633.1	
1	358664.38		7094664.79	
2	358639.69		7094683.58	
3	358617.92		7094691.62	
4	358584.83		7094694.36	
5	358550.66		7094690.58	
6	358494.86		7094676.82	
7	358464.13		7094678.72	
8	358451.15		7094706.49	
9	358428.76		7094730.83	
10	358394.24		7094743.78	

11	358351.87	7094744.36
12	358319.19	7094733.4
13	358294.9	7094710.53
14	358287.623	7094700.532
15	358290.516	7094681.563
16	358292.777	7094666.734
17	358294.181	7094657.531
18	358302.075	7094630.639
19	358305.166	7094620.208
20	358307.537	7094610.464
21	358309.213	7094599.299
22	358314.716	7094600.016
23	358320.927	7094603.248
24	358325.852	7094606.774
25	358326.618	7094607.445
26	358327.374	7094608.203
27	358334.054	7094615.283
28	358342.172	7094623.381
29	358347.743	7094630.775
30	358356.625	7094645.431
31	358358.581	7094650.257
32	358363.226	7094657.185
33	358364.604	7094658.329
34	358366.067	7094658.769
35	358366.81	7094658.901
36	358374.542	7094658.789
37	358377.08	7094658.464
38	358378.82	7094657.733
39	358380.068	7094656.275

40	358386.243	7094640.363
41	358388.506	7094633.492
42	358395.775	7094617.035
43	358399.308	7094605.981
44	358401.018	7094602.567
45	358406.575	7094600.187
46	358420.718	7094596.23
47	358425.984	7094595.512
48	358439.81	7094593.079
49	358450.484	7094592.329
50	358463.967	7094591.998
51	358475.883	7094591.706
52	358485.916	7094590.746
53	358493.776	7094589.662
54	358507.341	7094589.43
55	358511.289	7094590.387
56	358520.93	7094594.114
57	358524.868	7094595.159
58	358529.002	7094595.334
59	358536.534	7094594.033
60	358539.885	7094593.311
61	358541.915	7094593.149
62	358543.793	7094593.504
63	358551.005	7094598.107
64	358561.605	7094603.868
65	358573.906	7094611.795
66	358576.404	7094613.653
67	358578.836	7094615.325
68	358578.578	7094608.684
69	358574.198	7094599.947
70	358570.801	7094595.214
71	358569.652	7094593.648

72	358568.757	7094592.203
73	358568.175	7094590.749
74	358567.781	7094589.228
75	358567.651	7094587.739
76	358567.729	7094586.005
77	358568.463	7094584.394
78	358569.462	7094582.814
79	358570.72	7094581.666
80	358572.249	7094580.864
81	358573.96	7094580.395
82	358575.805	7094580.3
83	358577.264	7094580.427
84	358579.104	7094580.733
85	358586.589	7094581.302
86	358598.466	7094580.333
87	358609.468	7094579.574
88	358597.369	7094572.517
89	358593.928	7094568.135
90	358592.973	7094566.815
91	358591.961	7094565.221
92	358590.95	7094563.627
93	358590.303	7094562.702
94	358589.425	7094561.481
95	358587.919	7094560.276
96	358586.546	7094559.444
97	358585.007	7094558.503
98	358584.229	7094557.919
99	358579.29	7094553.36
100	358577.687	7094551.115
101	358576.829	7094549.003
102	358575.649	7094545.869
103	358575.004	7094543.111

104	358574.253	7094535.021
105	358568.618	7094518.263
106	358567.447	7094514.325
107	358563.583	7094501.351
108	358563.053	7094498.739
109	358563.054	7094496.906
110	358563.384	7094496.408
111	358564.582	7094495.386
112	358568.878	7094492.806
113	358566.972	7094480.998
114	358566.335	7094472.335
115	358568.174	7094459.891
116	358568.605	7094455.647
117	358568.443	7094450.035
118	358569.913	7094442.422
119	358571.958	7094437.785
120	358572.468	7094436.905
121	358573.276	7094435.791
122	358581.036	7094426.499
123	358586.194	7094421.643
124	358595.069	7094412.031
125	358601.882	7094406.831
126	358602.653	7094406.385
127	358605.294	7094404.728
128	358606.549	7094403.893
129	358609.737	7094401.368
130	358611.012	7094400.358
131	358612.306	7094399.573
132	358614.021	7094398.614
133	358618.532	7094395.44
134	358626.152	7094391.959
135	358632.669	7094390.309

136	358633.861	7094390.402
137	358635.959	7094394.564
138	358636.593	7094394.86
139	358645.229	7094393.366
140	358662.338	7094390.27
141	358677.254	7094388.033
142	358683.432	7094387.769
143	358685.133	7094387.698
144	358686.257	7094387.606
145	358687.234	7094387.63
146	358689.101	7094387.668
147	358690.792	7094387.685
148	358691.72	7094387.748
149	358702.103	7094388.861
150	358705.789	7094390.49
151	358707.416	7094391.436
152	358709.201	7094392.177
153	358710.532	7094391.841
154	358711.653	7094390.635
155	358712.815	7094389.077
156	358714.169	7094388.165
157	358715.813	7094387.82
158	358717.346	7094388.042
159	358719.033	7094388.861
160	358725.483	7094390.855
161	358731	7094393.587
162	358739.732	7094400.076
163	358750.026	7094406.924
164	358754.517	7094409.671
165	358761.786	7094413.809
166	358766.165	7094415.607
167	358767.208	7094416.218

168	358768.445	7094417.074
169	358769.953	7094418.273
170	358771.325	7094419.5
171	358771.752	7094420.04
172	358777.153	7094426.054
173	358781.124	7094429.052
174	358788.1	7094434.937
175	358793.024	7094440.451
176	358794.311	7094442.782
177	358797.648	7094450.828
178	358798.988	7094455.748
179	358802.329	7094462.992
180	358803.756	7094466.408
181	358804.401	7094468.13
182	358806.095	7094465.833
183	358806.868	7094465.7
184	358812.601	7094466.587
185	358817.197	7094468.054
186	358819.565	7094467.616
187	358821.962	7094467.315
188	358824.204	7094466.817
189	358819.617	7094463.748
190	358814.975	7094461.919
191	358810.272	7094460.216
192	358806.331	7094458.869
193	358805.495	7094458.015
194	358805.223	7094457.672
195	358805.52	7094453.61
196	358806.363	7094448.698
197	358807.492	7094447.804
198	358808.544	7094447.57
199	358818.522	7094448.169

200	358821.217	7094447.034
201	358823.743	7094446.391
202	358824.706	7094446.347
203	358826.026	7094446.299
204	358827.652	7094445.352
205	358827.426	7094443.856
206	358827.257	7094442.634
207	358826.848	7094440.805
208	358825.772	7094437.43
209	358825.072	7094435.033
210	358824.564	7094433.281
211	358824.253	7094431.375
212	358824.166	7094429.45
213	358823.767	7094427.533
214	358823.158	7094426.26
215	358822.715	7094425.095
216	358820.452	7094417.395
217	358818.273	7094410.506
218	358815.247	7094402.85
219	358814.659	7094401.401
220	358813.719	7094399.911
221	358812.8	7094398.246
222	358812.026	7094396.864
223	358811.621	7094395.749
224	358810.731	7094394.22
225	358809.682	7094392.896
226	358807.556	7094388.596
227	358806.612	7094384.477
228	358806.492	7094383.216
229	358806.791	7094378.751
230	358806.761	7094375.585
231	358806.038	7094373.764

232	358803.218	7094362.433
233	358802.518	7094360.035
234	358803.038	7094349.491
235	358806.597	7094334.307
236	358807.325	7094331.895
237	358807.647	7094330.284
238	358807.99	7094328.496
239	358808.089	7094326.503
240	358808.176	7094324.997
241	358808.318	7094324.167
242	358810.583	7094316.229
243	358815.395	7094304.44
244	358820.614	7094294.881
245	358825.442	7094288.664
246	358835.478	7094276.808
247	358845.004	7094267.031
248	358856.104	7094256.009
249	358864.019	7094249.344
250	358866.548	7094246.782
251	358871.958	7094240.184
252	358874.058	7094237.483
253	358874.513	7094236.644
254	358875.511	7094234.975
255	358876.145	7094233.755
256	358876.701	7094232.437
257	358877.334	7094231.217
258	358878.086	7094229.743
259	358878.603	7094228.376
260	358879.397	7094226.55
261	358879.725	7094225.651
262	358880.115	7094224.225
263	358881.131	7094221.265

264	358882.254	7094220.057
265	358883.413	7094219.298
266	358884.787	7094218.61
267	358885.817	7094218.194
268	358897.633	7094214.028
269	358907.211	7094211.076
270	358910.736	7094210.68
271	358911.715	7094210.704
272	358920.492	7094210.781
273	358929.165	7094212.139
274	358936.02	7094213.02
275	358941.771	7094211.9
276	358953.492	7094207.812
277	358956.49	7094207.355
278	358966.628	7094207.634
279	358975.851	7094210.394
280	358989.623	7094216.579
281	358994.649	7094218.989
282	358997.847	7094219.492
283	358999.589	7094219.47
284	359001.158	7094219.027
285	359002.08	7094218.776
286	359008.48	7094215.947
287	359016.563	7094210.188
288	359023.099	7094206.214
289	359027.223	7094204.147
290	359035.424	7094200.053
291	359038.646	7094196.944
292	359044.485	7094188.65
293	359045.371	7094186.432
294	359045.811	7094184.966
295	359046.342	7094181.591

296	359046.627	7094175.377
297	359049.732	7094161.499
298	359053.915	7094152.119
299	359058.293	7094144.501
300	359067.465	7094137.481
301	359073.097	7094134.381
302	359087.232	7094128.066
303	359092.265	7094126.638
304	359098.102	7094126.731
305	359100.361	7094127.259
306	359101.944	7094127.843
307	359102.589	7094128.052
308	359113.993	7094133.563
309	359120.109	7094135.832
310	359123.785	7094136.836
311	359137.208	7094139.233
312	359150.868	7094140.005
313	359155.733	7094140.388
314	359170.052	7094140.879
315	359182.28	7094140.549
316	359193.403	7094140.135
317	359198.073	7094139.156
318	359202.788	7094137.423
319	359205.719	7094135.662
320	359206.557	7094135
321	359211.289	7094129.339
322	359219.239	7094121.772
323	359220.851	7094120.976
324	359222.106	7094120.942
325	359223.337	7094121.486
326	359227.698	7094122.748
327	359229.468	7094123.265

328	359231.186	7094124.222
329	359233.116	7094125.65
330	359242.463	7094134.23
331	359246.22	7094136.45
332	359249.659	7094137.962
333	359241.783	7094126.382
334	359235.628	7094119.51
335	359229.569	7094112.961
336	359227.401	7094106.37
337	359227.232	7094102.509
338	359227.225	7094100.678
339	359226.778	7094098.795
340	359225.876	7094097.351
341	359224.866	7094096.073
342	359219.089	7094089.78
343	359211.936	7094082.658
344	359207.705	7094078.017
345	359210.888	7094074.14
346	359204.756	7094065.17
347	359196.925	7094053.949
348	359190.266	7094041.88
349	359187.516	7094034.148
350	359183.333	7094021.157
351	359180.178	7094008.149
352	359179.431	7094002.746
353	359178.428	7093993.069
354	359179.932	7093976.569
355	359181.477	7093971.053
356	359186.042	7093958.858
357	359193.091	7093943.748
358	359197.411	7093934.372
359	359204.417	7093926.381

360	359212.774	7093916.768
361	359218.153	7093910.856
362	359219.588	7093909.644
363	359220.879	7093908.149
364	359221.25	7093906.901
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366	359222.249	7093904.123
367	359227.374	7093896.978
368	359234.492	7093887.305
369	359238.216	7093883.334
370	359250.068	7093873.194
371	359262.005	7093863.465
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377	359298.705	7093866.151
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381	359313.83	7093865.22
382	359328.289	7093863.14
383	359330.337	7093862.402
384	359332.016	7093861.397
385	359333.618	7093860.294
386	359334.713	7093858.952
387	359335.506	7093857.531
388	359343.585	7093846.943
389	359348.663	7093836.49
390	359349.244	7093832.368
391	359349.359	7093831.401

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394	359346.694	7093820.121
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397	359345.622	7093816.027
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403	359352.132	7093806.276
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407	359388.238	7093786.02
408	359389.446	7093785.226
409	359390.841	7093784.366
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415	359457.91	7093767.986
416	359478.528	7093762.171
417	359482.817	7093761.34
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806	361139.553	7094143.37
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911	360852.34	7094396.592
912	360849.415	7094396.11
913	360843.957	7094395.505
914	360838.067	7094394.78
915	360833.699	7094393.771
916	360824.586	7094391.172
917	360821.924	7094390.709
918	360820.177	7094390.734
919	360818.424	7094391.133
920	360817.128	7094391.633
921	360815.599	7094392.292
922	360814.823	7094392.632
923	360810.846	7094393.838
924	360806.995	7094395.428
925	360805.168	7094395.933
926	360804.083	7094395.962
927	360800.371	7094395.951
928	360795.993	7094395.979
929	360794.088	7094396.345
930	360793.025	7094396.973
931	360788.661	7094400.734
932	360786.755	7094402.624
933	360786.415	7094403.04
934	360785.258	7094405.56
935	360784.105	7094408.036

936	360783.547	7094409.01
937	360781.43	7094412.276
938	360775.417	7094418.322
939	360768.494	7094424.124
940	360766.699	7094425.095
941	360765.201	7094425.933
942	360763.659	7094426.769
943	360763.109	7094427.037
944	360759.671	7094429.3
945	360752.114	7094434.702
946	360743.807	7094439.762
947	360739.995	7094441.4
948	360738.309	7094441.783
949	360734.802	7094441.964
950	360729.274	7094442.283
951	360725.965	7094442.788
952	360724.961	7094442.912
953	360723.484	7094443.156
954	360719.134	7094443.076
955	360717.118	7094442.838
956	360715.296	7094442.349
957	360713.64	7094441.718
958	360712.925	7094441.223
959	360710.762	7094439.958
960	360706.52	7094435.998
961	360704.866	7094435.036
962	360703.816	7094434.582
963	360702.472	7094434.217
964	360697.551	7094433.476
965	360691.255	7094431.904
966	360686.425	7094430.22
967	360678.043	7094426.328

968	360675.356	7094424.979
969	360672.072	7094422.416
970	360670.222	7094420.511
971	360665.679	7094415.534
972	360664.346	7094413.513
973	360663.406	7094411.853
974	360662.035	7094407.642
975	360661.208	7094405.35
976	360660.206	7094403.95
977	360659.353	7094402.915
978	360657.819	7094402.425
979	360656.404	7094402.121
980	360655.535	7094402.211
981	360651.97	7094404.376
982	360648.091	7094406.606
983	360646.064	7094407.405
984	360644.258	7094407.602
985	360642.367	7094407.462
986	360641.205	7094407.022
987	360639.785	7094406.188
988	360637.742	7094405.395
989	360636.162	7094405.233
990	360634.45	7094405.349
991	360632.482	7094405.645
992	360627.129	7094408.362
993	360622.289	7094410.72
994	360619.268	7094411.799
995	360617.447	7094412.503
996	360616.903	7094412.683
997	360610.696	7094414.078
998	360605.85	7094414.999
999	360604.323	7094415.615

1000	360600.771	7094417.892
1001	360593.351	7094422.842
1002	360591.628	7094423.708
1003	360590.121	7094424.348
1004	360588.877	7094424.719
1005	360584.05	7094425.377
1006	360578.109	7094425.555
1007	360575.907	7094425.104
1008	360574.511	7094424.536
1009	360573.528	7094424.065
1010	360572.277	7094423.332
1010	360563.619	7094419.551
1010	360561.037	7094418.563
1010	360559.066	7094418.285
1010	360558.487	7094418.33
1010	360556.553	7094418.761
1010	360553.639	7094419.583
1010	360551.849	7094420.087
1010	360542.07	7094398.93
1010	360534.87	7094370.1
1010	360536.61	7094334.21
1010	360567.74	7094331.9
1010	360580.43	7094333.14
1010	360611.4	7094321.38
1010	360666.36	7094315.53
1010	360710.02	7094328.49
1010	360722.77	7094344.04
1010	360753.07	7094319.87
1010	360772.31	7094312.02
1010	360818.82	7094304.05
1010	360835.84	7094305.24
1010	360864.33	7094296.76

1010	360900.66	7094294.41
1010	360926.15	7094297.19
1010	360959.52	7094286.35
1010	360994.72	7094252
1010	361028.64	7094210.88
1010	361046.62	7094199.31
1010	361054.55	7094187.84
1010	361041.06	7094169.53
1010	361023.64	7094129.48
1010	361019.69	7094085.94
1010	361036.61	7094021.59
1010	361043.1	7094002.9
1010	361042	7093975.89
1010	361030.7	7093948.62
1010	361015.35	7093938.51
1010	360975.89	7093922.82
1010	360939.49	7093894.11
1010	360901.92	7093860.01
1010	360877.47	7093845.01
1010	360847.78	7093824.16
1010	360793.64	7093795.67
1010	360777.5	7093782.99
1010	360699.07	7093738.12
1010	360669.41	7093709.9
1010	360657.12	7093692.75
1010	360615.67	7093670.96
1010	360585.34	7093639.98
1010	360573.98	7093621.49
1010	360548.41	7093598.23
1010	360528.22	7093563.12
1010	360497.73	7093541
1010	360472.98	7093520.75

1010	360437.27	7093516.98
1010	360396.39	7093474.85
1010	360362.65	7093454.33
1010	360343.15	7093434.87
1010	360288.37	7093454.71
1010	360216.91	7093457.87
1010	360155.57	7093442.34
1010	360124.51	7093426.66
1010	360085.21	7093427.91
1010	360050.21	7093420.46
1010	360009.93	7093401.8
1010	359936.76	7093410.32
1010	359932.41	7093445.39
1010	359915.31	7093475.66
1010	359936.69	7093516.31
1010	359947.53	7093566.05
1010	359938.15	7093607.2
1010	359911.45	7093640.27
1010	359881.77	7093659.68
1010	359872.38	7093689.69
1010	359846.91	7093719.67
1010	359830.25	7093733.82
1010	359804.75	7093752.84
1010	359782.86	7093771.52
1010	359752.85	7093783.09
1010	359718.4	7093783.11
1010	359692.75	7093775.6
1010	359613.96	7093813.34
1010	359567.37	7093840.04
1010	359551.83	7093844.28
1010	359483.14	7093849.38
1010	359431.11	7093861.76

1010	359412.16	7093899.86
1010	359388.79	7093927.51
1010	359356.56	7093945.21
1010	359295.67	7093953.46
1010	359290.48	7093957.72
1010	359286.5	7093962.3
1010	359265.54	7093989.91
1010	359269.6	7094008.66
1010	359313.38	7094072.54
1010	359327.73	7094105.27
1010	359333.37	7094146.62
1010	359328.54	7094171.62
1010	359315.85	7094193.53
1010	359300.34	7094208.59
1010	359274.1	7094218
1010	359213.27	7094226.38
1010	359122.74	7094225.29
1010	359099.35	7094258.77
1010	359082.62	7094273.42
1010	359032.7	7094299.64
1010	359003.96	7094306.02
1010	358966.92	7094301.72
1010	358957.17	7094297.02
1010	358933.72	7094300.51
1010	358892.05	7094341.56
1010	358891.94	7094363.23
1010	358911.23	7094418.51
1010	358914.98	7094452.3
1010	358906.51	7094488.66

1010	358882.35	7094526.62
1010	358867.75	7094541.32
1010	358833.24	7094553.38
1010	358806.46	7094555.88
1010	358782.87	7094549.79
1010	358745.06	7094527.79
1010	358732.57	7094513.88
1010	358715.44	7094485.32
1010	358700.84	7094477.44
1010	358672.39	7094475.68
1010	358657.02	7094489.45
1010	358661.98	7094507.25
1010	358682.2	7094538.21
1010	358696.42	7094571.8
1010	358697.29	7094602.14
1010	358686.72	7094633.1

Polígono 06

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4109658	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Barramento	Desapropriação	1.1014	Andreas Leonardo da Silva Kleina	ART nº 1720212837714
Vértice	Coordenada E (m)		Coordenada N (m)	
0	357919.132		7096641.554	
1	357854.831		7096747.795	
2	357839.272		7096725.197	
3	357818.201		7096699.411	
4	357772.623		7096654.049	
5	357772.701		7096652.844	
6	357775.104		7096650.736	

7	357930.8374	7096589.2293		
8	357919.132	7096641.554		
Polígono 07				
UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4109658	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Barramento	Desapropriação	4.0216	Andreas Leonardo da Silva Kleina	ART nº 1720212837714
Vértice	Coordenada E (m)		Coordenada N (m)	
0	357943.7135	7096544.0597		
1	357936.146	7096565.499		
2	357930.8374	7096589.2293		
3	357775.104	7096650.736		
4	357772.701	7096652.844		
5	357745.667	7096630.684		
6	357726.003	7096618.041		
7	357704.206	7096592.139		
8	357681.74	7096580.274		
9	357653.011	7096565.293		
10	357638.497	7096555.147		
11	357620.164	7096524.453		
12	357615.835	7096520.86		
13	357639.469	7096511.332		
14	357663.193	7096504.247		
15	357684.119	7096497.998		
16	357693.886	7096494.826		
17	357714.441	7096488.147		
18	357723.8	7096485.103		
19	357728.625	7096483.338		
20	357735.907	7096480.674		

21	357738.04	7096480.055
22	357748.076	7096473.379
23	357770.09	7096467.014
24	357785.94	7096463.149
25	357801.32	7096459.4
26	357816.804	7096455.998
27	357838.95	7096451.371
28	357851.575	7096449.244
29	357856.871	7096448.445
30	357861.078	7096447.811
31	357866.485	7096446.846
32	357869.839	7096446.248
33	357872.517	7096445.77
34	357873.8722	7096445.5262
35	357912.971	7096495.942
36	357943.7135	7096544.0597

Polígono 08

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4109658	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Barramento	Desapropriação	0.5369	Andreas Leonardo da Silva Kleina	ART nº 1720212837714
Vértice	Coordenada E (m)		Coordenada N (m)	
0	357958.2777		7096502.7977	
1	357955.6343		7096510.2869	
2	357943.7135		7096544.0597	
3	357912.971		7096495.942	
4	357873.8722		7096445.5262	
5	357878.738		7096444.651	
6	357888.661		7096442.866	

7	357906.666	7096442.341
8	357964.299	7096440.658
9	357980.377	7096440.189
10	357958.2777	7096502.7977

Polígono 09

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4109658	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Reservatório	Desapropriação	0.3492	Andreas Leonardo da Silva Kleina	ART nº 1720212837714
Vértice	Coordenada E (m)		Coordenada N (m)	
0	357885.469		7096388.008	
1	357884.211		7096413.688	
2	357873.356		7096442.831	
3	357873.337		7096442.856	
4	357873.8722		7096445.5262	
5	357831.909		7096391.417	
6	357791.1953		7096337.2247	
7	357802.414		7096341.985	
8	357808.954		7096345.243	
9	357815.225		7096350.194	
10	357818.867		7096352.279	
11	357818.879		7096352.296	
12	357839.9		7096355.265	
13	357858.1365		7096365.2764	
14	357858.367		7096365.626	
15	357885.469		7096388.008	

Polígono 10

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4109658	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)

Reservatório	Uso	25.3779	Andreas Leonardo da Silva Kleina	ART nº 1720212837714
Vértice	Coordenada E (m)		Coordenada N (m)	
0	357869.839		7096446.248	
1	357866.485		7096446.846	
2	357861.078		7096447.811	
3	357856.871		7096448.445	
4	357851.575		7096449.244	
5	357838.95		7096451.371	
6	357816.804		7096455.998	
7	357801.32		7096459.4	
8	357785.94		7096463.149	
9	357770.09		7096467.014	
10	357748.076		7096473.379	
11	357738.04		7096480.055	
12	357735.907		7096480.674	
13	357728.625		7096483.338	
14	357723.8		7096485.103	
15	357714.441		7096488.147	
16	357693.886		7096494.826	
17	357684.119		7096497.998	
18	357663.193		7096504.247	
19	357639.469		7096511.332	
20	357615.835		7096520.86	
21	357600.091		7096507.795	
22	357573.733		7096468.796	
23	357558.626		7096448.577	
24	357548.073		7096431.221	
25	357535.082		7096404.827	
26	357529.306		7096379.73	
27	357526.079		7096351.649	
28	357523.401		7096322.237	

29	357535.718	7096267.626
30	357537.182	7096249.893
31	357540.717	7096238.886
32	357543.567	7096217.454
33	357543.738	7096209.72
34	357545.453	7096198.111
35	357547.787	7096191.496
36	357501.779	7096045.171
37	357499.669	7096014.486
38	357499.727	7096012.8
39	357511.249	7095951.539
40	357516.734	7095935.428
41	357518.448	7095912.13
42	357524.362	7095884.658
43	357532.211	7095864.554
44	357542.744	7095835.557
45	357554.781	7095797.676
46	357560.23	7095784.944
47	357581.609	7095742.135
48	357593.895	7095717.771
49	357609.955	7095689.494
50	357626.597	7095651.252
51	357637.639	7095628.395
52	357657.216	7095605.709
53	357674.876	7095583.158
54	357702.011	7095554.684
55	357735.784	7095517.671
56	357751.626	7095498.711
57	357795.284	7095466.303
58	357877.885	7095398.559
59	357905.458	7095370.761
60	357924.166	7095348.532

61	357948.8	7095332.163
62	357974.195	7095316.334
63	358006.393	7095290.677
64	358021.303	7095276.657
65	358030.884	7095251.378
66	358032.614	7095228.509
67	358028.076	7095213.147
68	358018.988	7095187.431
69	358017.099	7095164.652
70	358025.317	7095139.397
71	358031.596	7095135.801
72	358049.821	7095134.671
73	358070.844	7095113.071
74	358075.59	7095100.81
75	358067.026	7095065.483
76	358052.811	7095038.754
77	358034.197	7094999.186
78	358006.651	7094995.184
79	357987.975	7094996.593
80	357967.037	7095002.972
81	357945.891	7094992.495
82	357906.905	7094967.465
83	357877.479	7094944.544
84	357845.371	7094908.616
85	357844.111	7094879.071
86	357845.965	7094834.071
87	357856.142	7094805.946
88	357866.99	7094786.652
89	357878.287	7094778.762
90	357903.092	7094758.392
91	357915.667	7094735.668
92	357932.453	7094716.324

93	357940.969	7094700.606
94	357962.495	7094672.142
95	357975.716	7094659.176
96	358002.162	7094640.604
97	358024.542	7094615.848
98	358034.638	7094605.626
99	358058.706	7094572.074
100	358077.412	7094553.965
101	358097.914	7094552.364
102	358121.227	7094547.016
103	358141.678	7094554.987
104	358157.45	7094562.178
105	358191.916	7094560.422
106	358224.786	7094551.45
107	358238.56	7094550.195
108	358244.858	7094549.074
109	358257.271	7094545.62
110	358263.395	7094550.346
111	358279.45	7094551.437
112	358281.325	7094551.563
113	358283.617	7094561.297
114	358276.393	7094566.152
115	358275.285	7094569.806
116	358275.639	7094573.611
117	358277.739	7094581.598
118	358281.798	7094602.754
119	358282.222	7094602.086
120	358280.796	7094609.042
121	358275.252	7094608.789
122	358274.909	7094600.941
123	358274.57	7094591.576
124	358274.572	7094590.461

125	358274.39	7094589.012
126	358273.42	7094585.238
127	358271.173	7094580.957
128	358266.122	7094573.311
129	358260.858	7094563.363
130	358258.072	7094558.156
131	358257.063	7094555.284
132	358256.638	7094554.743
133	358255.351	7094554.323
134	358246.632	7094555.616
135	358243.147	7094557.883
136	358242.95	7094558.039
137	358242.059	7094559.139
138	358242.02	7094559.98
139	358242.313	7094562.203
140	358242.715	7094565.151
141	358242.816	7094565.788
142	358243.66	7094569.502
143	358244.922	7094574.559
144	358244.85	7094584.01
145	358243.09	7094593.038
146	358242.738	7094594.111
147	358242.226	7094595.389
148	358241.458	7094596.949
149	358240.673	7094598.284
150	358239.68	7094599.862
151	358239.115	7094601.58
152	358238.959	7094603.613
153	358238.677	7094604.472
154	358238.331	7094605.859
155	358238.547	7094607.758
156	358239.07	7094609.336

157	358239.659	7094611.1
158	358240.49	7094614.187
159	358240.228	7094615.984
160	358239.229	7094616.134
161	358237.809	7094615.342
162	358236.59	7094613.994
163	358235.272	7094612.723
164	358233.599	7094611.812
165	358232.175	7094611.421
166	358229.496	7094611.462
167	358219.446	7094611.256
168	358207.503	7094610.872
169	358192.29	7094610.994
170	358186.536	7094610.671
171	358170.469	7094609.398
172	358160.593	7094608.901
173	358142.501	7094608.192
174	358134.938	7094609.216
175	358118.96	7094612.812
176	358107.133	7094617.834
177	358102.151	7094621.124
178	358091.162	7094629.943
179	358078.43	7094642.92
180	358072.568	7094650.96
181	358061.796	7094665.812
182	358052.911	7094678.301
183	358048.064	7094685.699
184	358037.743	7094703.133
185	358033.533	7094709.313
186	358027.737	7094718.33
187	358023.11	7094725.393
188	358020.445	7094730.196

189	358017.906	7094736.17
190	358017.724	7094739.174
191	358017.512	7094757.304
192	358016.163	7094764.485
193	358011.004	7094779.353
194	358009.235	7094788.928
195	358007.106	7094810.066
196	358006.494	7094824.843
197	358007.022	7094832.686
198	358008.048	7094850.855
199	358009.924	7094860.295
200	358010.212	7094869.212
201	358010.804	7094873.473
202	358012.834	7094881.236
203	358013.744	7094883.477
204	358015.331	7094886.459
205	358019.562	7094894.547
206	358021.53	7094898.91
207	358021.896	7094902.789
208	358023.664	7094908.916
209	358028.563	7094922.567
210	358032.382	7094935.075
211	358032.802	7094936.504
212	358034.879	7094940.699
213	358041.558	7094949.317
214	358049.567	7094956.872
215	358059.722	7094963.676
216	358062.777	7094965.566
217	358067.462	7094968.48
218	358071.676	7094971.209
219	358077.353	7094975.658
220	358085.08	7094982.56

221	358088.564	7094986.595
222	358096.961	7094993.926
223	358099.44	7094994.193
224	358103.607	7094992.229
225	358104.728	7094992.216
226	358106.07	7094994.994
227	358106.324	7094995.915
228	358104.45	7094997.812
229	358103.187	7094999.462
230	358102.811	7095000.404
231	358105.379	7095009.342
232	358115.072	7095026.948
233	358119.267	7095034.186
234	358128.345	7095045.789
235	358131.462	7095051.08
236	358133.434	7095058.168
237	358133.541	7095058.804
238	358133.322	7095059.941
239	358134.016	7095061.713
240	358135.243	7095063.14
241	358136.776	7095064.242
242	358140.835	7095066.779
243	358146.359	7095070.232
244	358152.54	7095075.006
245	358159.26	7095080.955
246	358162.41	7095085.179
247	358168.658	7095090.944
248	358169.945	7095092.243
249	358173.39	7095097.035
250	358176.57	7095104.924
251	358178.156	7095112.64
252	358178.577	7095113.667

253	358179.579	7095114.713
254	358181.762	7095116.021
255	358185.301	7095118.413
256	358186.511	7095119.213
257	358188.103	7095120.189
258	358189.224	7095120.98
259	358193.511	7095123.899
260	358196.79	7095128.183
261	358201.147	7095138.342
262	358206.725	7095148.41
263	358209.075	7095154.155
264	358206.078	7095151.33
265	358200.143	7095145.554
266	358192.19	7095135.854
267	358191.622	7095134.944
268	358190.836	7095133.966
269	358189.813	7095133.498
270	358188.108	7095133.894
271	358186.698	7095134.857
272	358184.835	7095135.458
273	358182.934	7095135.609
274	358180.985	7095135.398
275	358178.612	7095135.364
276	358176.446	7095135.487
277	358163.922	7095139.53
278	358152.212	7095142.365
279	358149.348	7095142.323
280	358139.003	7095142.629
281	358128	7095143.622
282	358124.035	7095143.816
283	358123.66	7095143.954
284	358122.065	7095144.584

285	358117.889	7095146.629
286	358110.41	7095148.182
287	358109.327	7095148.243
288	358107.43	7095147.993
289	358106.024	7095147.751
290	358104.284	7095147.294
291	358102.602	7095147.112
292	358100.881	7095147.282
293	358099.503	7095147.579
294	358097.939	7095147.944
295	358096.699	7095148.211
296	358092.007	7095148.505
297	358082.97	7095148.817
298	358080.747	7095149.067
299	358075.534	7095150.017
300	358073.046	7095150.639
301	358071.678	7095151.249
302	358070.014	7095152.094
303	358065.84	7095154.94
304	358061.904	7095157.277
305	358051.085	7095160.695
306	358050.111	7095161.391
307	358048.82	7095162.901
308	358048.09	7095164.203
309	358047.468	7095165.741
310	358046.509	7095168.668
311	358046.683	7095175.017
312	358048.473	7095183.681
313	358049.108	7095185.578
314	358056.423	7095207.457
315	358058.605	7095216.609
316	358058.963	7095233.538

317	358058.683	7095236.003
318	358060.214	7095241.83
319	358061.161	7095249.241
320	358060.992	7095250.336
321	358060.477	7095252.107
322	358059.333	7095254.299
323	358057.391	7095257.206
324	358057.202	7095258.477
325	358057.081	7095259.934
326	358057.089	7095260.648
327	358057.253	7095261.958
328	358057.505	7095263.679
329	358057.787	7095265.135
330	358058.256	7095271.246
331	358057.84	7095277.66
332	358056.756	7095279.324
333	358053.41	7095281.987
334	358047.232	7095286.344
335	358045.314	7095287.471
336	358042.934	7095288.724
337	358028.774	7095292.874
338	358027.101	7095294.206
339	358025.498	7095295.722
340	358024.514	7095296.906
341	358023.618	7095297.698
342	358022.388	7095299.078
343	358018.021	7095303.275
344	358010.342	7095309.067
345	358008.444	7095310.418
346	358007.245	7095311.533
347	358005.739	7095313.371
348	358004.382	7095314.691

349	358001.59	7095317.234
350	357999.28	7095319.073
351	357996.862	7095320.678
352	357992.794	7095323.436
353	357982.794	7095328.837
354	357980.771	7095329.727
355	357975.332	7095331.578
356	357969.538	7095334.591
357	357959.167	7095340.927
358	357946.47	7095350.077
359	357945.38	7095351.024
360	357940.674	7095356.29
361	357929.072	7095370.004
362	357927.824	7095371.557
363	357921.014	7095382.014
364	357907.004	7095403.236
365	357905.067	7095407.335
366	357903.928	7095409.121
367	357903.692	7095409.628
368	357902.925	7095411.278
369	357902.265	7095413.161
370	357902.097	7095414.254
371	357901.987	7095416.02
372	357902.004	7095417.444
373	357902.119	7095419.191
374	357902.439	7095421.093
375	357902.907	7095422.879
376	357903.335	7095424.615
377	357903.725	7095425.903
378	357905.654	7095432.918
379	357908.356	7095440.596
380	357909.299	7095445.678

381	357913.096	7095461.033
382	357916.637	7095470.759
383	357918.624	7095478.046
384	357919.696	7095481.587
385	357921.504	7095484.543
386	357927.745	7095491.324
387	357934.772	7095497.082
388	357937.454	7095499.024
389	357946.228	7095503.953
390	357957.865	7095508.846
391	357967.388	7095512.304
392	357979.832	7095516.798
393	357985.239	7095520.332
394	357979.112	7095519.207
395	357970.681	7095518.315
396	357964.603	7095517.95
397	357955.875	7095520.092
398	357955.531	7095520.365
399	357955.283	7095522.159
400	357956.337	7095525.076
401	357960.418	7095534.374
402	357960.808	7095535.662
403	357961.251	7095540.021
404	357962.338	7095546.186
405	357962.519	7095554.827
406	357961.869	7095556.621
407	357961.259	7095557.664
408	357960.091	7095558.511
409	357953.002	7095560.387
410	357939.04	7095564.607
411	357935.148	7095565.462
412	357922.514	7095569.028

413	357912.284	7095571.085
414	357905.181	7095572.336
415	357894.277	7095575.649
416	357888.936	7095578.295
417	357887.78	7095579.054
418	357887.064	7095579.463
419	357885.124	7095580.445
420	357882.237	7095579.945
421	357878.833	7095578.1
422	357870.155	7095574.379
423	357860.879	7095572.412
424	357851.454	7095572.559
425	357837.872	7095572.819
426	357826.187	7095575.244
427	357820.462	7095577.401
428	357808.503	7095582.678
429	357800.665	7095586.595
430	357795.744	7095589.55
431	357789.724	7095594.734
432	357783.634	7095603.325
433	357782.361	7095605.134
434	357779.532	7095608.1
435	357773.894	7095615.853
436	357768.064	7095628.461
437	357761.657	7095643.441
438	357756.673	7095653.301
439	357753.454	7095658.172
440	357743.628	7095674.087
441	357737.979	7095686.589
442	357736.054	7095691.274
443	357730.343	7095709.234
444	357728.478	7095721.542

445	357729.14	7095725.779
446	357731.029	7095732.027
447	357731.191	7095733.836
448	357731.482	7095735.704
449	357731.197	7095738.676
450	357730.454	7095741.691
451	357727.885	7095748.501
452	357725.561	7095751.886
453	357724.221	7095754.165
454	357721.786	7095756.911
455	357710.13	7095767.244
456	357697.117	7095778.818
457	357688.083	7095788.434
458	357683.328	7095793.351
459	357675.062	7095802.596
460	357671.849	7095807.494
461	357671.286	7095809.718
462	357671.101	7095812.608
463	357670.855	7095814.014
464	357670.132	7095815.639
465	357668.614	7095817.895
466	357660.703	7095829.679
467	357659.525	7095832.15
468	357656.312	7095842.773
469	357655.561	7095852.404
470	357653.876	7095861.89
471	357650.039	7095879.781
472	357644.494	7095897.173
473	357639.352	7095917.467
474	357635.545	7095933.875
475	357630.93	7095953.905
476	357629.847	7095960.004

477	357626.673	7095973.97
478	357621.073	7095991.069
479	357620.021	7095997.303
480	357617.755	7096014.088
481	357617.019	7096026.031
482	357618.074	7096047.509
483	357618.458	7096058.723
484	357617.761	7096063.786
485	357617.303	7096080.035
486	357619.657	7096099.418
487	357620.309	7096112.033
488	357621.435	7096119.372
489	357621.551	7096120.656
490	357622.037	7096122.277
491	357623.596	7096124.292
492	357628.435	7096127.76
493	357630.126	7096128.688
494	357633.741	7096129.289
495	357636.005	7096128.594
496	357636.6	7096133.783
497	357636.334	7096134.332
498	357631.815	7096140.511
499	357630.388	7096141.23
500	357628.031	7096141.435
501	357625.12	7096141.945
502	357624.126	7096142.216
503	357622.678	7096143.197
504	357622.088	7096143.94
505	357622.422	7096144.714
506	357625.256	7096145.164
507	357626.254	7096145.376
508	357627.442	7096145.429

509	357628.995	7096145.335
510	357630.899	7096145.27
511	357632.506	7096145.049
512	357633.699	7096145.585
513	357634.302	7096150.116
514	357638.107	7096163.08
515	357640.017	7096168.376
516	357645.066	7096177.443
517	357660.335	7096204.789
518	357662.105	7096208.01
519	357673.678	7096225.961
520	357682.948	7096240.737
521	357685.224	7096244.263
522	357687.002	7096247.397
523	357698.868	7096261.77
524	357710.589	7096275.21
525	357714.147	7096279.28
526	357723.857	7096290.842
527	357739.023	7096306.498
528	357742.064	7096309.867
529	357751.769	7096319.319
530	357756.483	7096323.308
531	357773.51	7096332.342
532	357777.133	7096333.427
533	357783.085	7096334.657
534	357789.346	7096336.44
535	357791.1953	7096337.2247
536	357831.909	7096391.417
537	357873.8722	7096445.5262

538	357869.839	7096446.248		
Polígono 11				
UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4109658	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Reservatório	Uso	17.4320778	Andreas Leonardo da Silva Kleina	ART nº 1720212837714
Vértice	Coordenada E (m)		Coordenada N (m)	
0	360553.664		7094419.7	
1	360553.639		7094419.583	
2	360556.553		7094418.761	
3	360558.487		7094418.33	
4	360559.066		7094418.285	
5	360561.037		7094418.563	
6	360563.619		7094419.551	
7	360572.277		7094423.332	
8	360573.528		7094424.065	
9	360574.511		7094424.536	
10	360575.907		7094425.104	
11	360578.109		7094425.555	
12	360584.05		7094425.377	
13	360588.877		7094424.719	
14	360590.121		7094424.348	
15	360591.628		7094423.708	
16	360593.351		7094422.842	
17	360600.771		7094417.892	
18	360604.323		7094415.615	
19	360605.85		7094414.999	
20	360610.696		7094414.078	
21	360616.903		7094412.683	
22	360617.447		7094412.503	
23	360619.268		7094411.799	

24	360622.289	7094410.72
25	360627.129	7094408.362
26	360632.482	7094405.645
27	360634.45	7094405.349
28	360636.162	7094405.233
29	360637.742	7094405.395
30	360639.785	7094406.188
31	360641.205	7094407.022
32	360642.367	7094407.462
33	360644.258	7094407.602
34	360646.064	7094407.405
35	360648.091	7094406.606
36	360651.97	7094404.376
37	360655.535	7094402.211
38	360656.404	7094402.121
39	360657.819	7094402.425
40	360659.353	7094402.915
41	360660.206	7094403.95
42	360661.208	7094405.35
43	360662.035	7094407.642
44	360663.406	7094411.853
45	360664.346	7094413.513
46	360665.679	7094415.534
47	360670.222	7094420.511
48	360672.072	7094422.416
49	360675.356	7094424.979
50	360678.043	7094426.328
51	360686.425	7094430.22
52	360691.255	7094431.904
53	360697.551	7094433.476
54	360702.472	7094434.217
55	360703.816	7094434.582

56	360704.866	7094435.036
57	360706.52	7094435.998
58	360710.762	7094439.958
59	360712.925	7094441.223
60	360713.64	7094441.718
61	360715.296	7094442.349
62	360717.118	7094442.838
63	360719.134	7094443.076
64	360723.484	7094443.156
65	360724.961	7094442.912
66	360725.965	7094442.788
67	360729.274	7094442.283
68	360734.802	7094441.964
69	360738.309	7094441.783
70	360739.995	7094441.4
71	360743.807	7094439.762
72	360752.114	7094434.702
73	360759.671	7094429.3
74	360763.109	7094427.037
75	360763.659	7094426.769
76	360765.201	7094425.933
77	360766.699	7094425.095
78	360768.494	7094424.124
79	360775.417	7094418.322
80	360781.43	7094412.276
81	360783.547	7094409.01
82	360784.105	7094408.036
83	360785.258	7094405.56
84	360786.415	7094403.04
85	360786.755	7094402.624
86	360788.661	7094400.734
87	360793.025	7094396.973

88	360794.088	7094396.345
89	360795.993	7094395.979
90	360800.371	7094395.951
91	360804.083	7094395.962
92	360805.168	7094395.933
93	360806.995	7094395.428
94	360810.846	7094393.838
95	360814.823	7094392.632
96	360815.599	7094392.292
97	360817.128	7094391.633
98	360818.424	7094391.133
99	360820.177	7094390.734
100	360821.924	7094390.709
101	360824.586	7094391.172
102	360833.699	7094393.771
103	360838.067	7094394.78
104	360843.957	7094395.505
105	360849.415	7094396.11
106	360852.34	7094396.592
107	360853.08	7094396.449
108	360854.569	7094396.03
109	360857.3	7094395.239
110	360859.053	7094394.221
111	360861.159	7094392.612
112	360863.174	7094391.04
113	360864.714	7094389.918
114	360866.963	7094387.855
115	360870.216	7094384.763
116	360871.322	7094384.139
117	360872.991	7094383.358
118	360874.8	7094382.787
119	360876.54	7094382.563

120	360880.747	7094382.434
121	360885.955	7094381.895
122	360887.55	7094381.837
123	360890.231	7094382.036
124	360893.714	7094382.737
125	360894.444	7094382.725
126	360896.153	7094382.609
127	360898.861	7094382.126
128	360902.753	7094381.158
129	360904.443	7094381.305
130	360907.958	7094382.185
131	360913.878	7094383.994
132	360919.225	7094386.092
133	360920.507	7094386.386
134	360921.789	7094386.68
135	360924.121	7094386.809
136	360931.075	7094386.245
137	360936.787	7094385.147
138	360946.85	7094381.613
139	360955.088	7094378.872
140	360960.913	7094377.429
141	360962.651	7094376.918
142	360964.454	7094376.103
143	360966.012	7094375.336
144	360969.015	7094373.816
145	360973.09	7094372.442
146	360977.424	7094371.75
147	360985.04	7094369.955
148	360989.825	7094368.833
149	360991.005	7094368.391
150	360992.809	7094367.576
151	360994.738	7094366.859

152	360998.927	7094363.905
153	361003.189	7094360.846
154	361003.425	7094360.642
155	361005.075	7094359.507
156	361011.469	7094355.68
157	361014.09	7094354.243
158	361015.101	7094353.082
159	361019.171	7094348.421
160	361023.924	7094343.457
161	361028.722	7094339.401
162	361032.704	7094337.161
163	361035.414	7094335.399
164	361037.541	7094333.77
165	361044.954	7094327.13
166	361048.4	7094322.842
167	361048.775	7094322.23
168	361049.63	7094320.794
169	361051.273	7094318.225
170	361054.824	7094314.298
171	361055.715	7094313.284
172	361056.724	7094311.837
173	361059.809	7094307.655
174	361060.164	7094307.019
175	361066.141	7094299.767
176	361071.26	7094293.09
177	361077.72	7094286.161
178	361080.906	7094283.002
179	361081.247	7094282.255
180	361082.111	7094280.688
181	361083.351	7094279.413
182	361085.113	7094278.552
183	361090.474	7094274.916

184	361095.606	7094270.778
185	361096.944	7094269.665
186	361099.335	7094268.343
187	361102.649	7094266.76
188	361105.201	7094265.341
189	361106.628	7094264.521
190	361111.495	7094260.077
191	361114.928	7094257.158
192	361115.78	7094256.053
193	361116.351	7094254.861
194	361120.643	7094247.089
195	361124.843	7094238.737
196	361125.693	7094237.059
197	361128.662	7094230.467
198	361132.786	7094222.265
199	361138.216	7094210.016
200	361143.026	7094197.193
201	361145.973	7094188.773
202	361147.076	7094185.108
203	361147.925	7094178.25
204	361148.838	7094170.877
205	361148.159	7094167.592
206	361146.795	7094164.564
207	361143.185	7094159.015
208	361141.754	7094157.442
209	361140.797	7094154.889
210	361140.484	7094151.455
211	361139.553	7094143.37
212	361138.656	7094138.298
213	361137.993	7094136.151
214	361135.387	7094135.254
215	361133.135	7094135.122

216	361129.371	7094135.05
217	361122.689	7094134.262
218	361121.04	7094133.779
219	361119.86	7094132.979
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221	361116.711	7094127.774
222	361114.519	7094123.972
223	361110.86	7094116.735
224	361108.164	7094110.26
225	361107.247	7094107.177
226	361106.694	7094101.401
227	361106.361	7094097.08
228	361107.137	7094090.745
229	361108.354	7094084.156
230	361111.398	7094073.706
231	361114.388	7094064.537
232	361116.273	7094057.052
233	361117.64	7094052.248
234	361124.927	7094034.196
235	361127.895	7094025.009
236	361128.761	7094016.629
237	361130.351	7094001.142
238	361130.287	7093988.135
239	361130.787	7093978.181
240	361128.805	7093967.057
241	361124.714	7093953.378
242	361120.007	7093937.35
243	361116.988	7093929.328
244	361112.532	7093918.67
245	361109.867	7093912.975
246	361102.407	7093899.29
247	361096.092	7093892.019

248	361084.345	7093880.993
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252	361049.484	7093858.329
253	361039.846	7093851.492
254	361034.171	7093847.938
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258	361017.209	7093845.593
259	361016.394	7093845.793
260	361016.47	7093840.226
261	361016.226	7093839.366
262	361014.399	7093836.565
263	361011.154	7093833.162
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266	360984.277	7093812.45
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268	360968.859	7093804.916
269	360962.641	7093799.677
270	360956.825	7093793.276
271	360952	7093787.84
272	360945.917	7093783.142
273	360934.549	7093777.172
274	360924.859	7093771.913
275	360920.554	7093770.058
276	360914.976	7093767.39
277	360912.147	7093765.434
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279	360898.783	7093753.014

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283	360874.232	7093741.035
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287	360846.758	7093726.841
288	360838.873	7093719.248
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293	360811.671	7093703.8
294	360807.113	7093700.927
295	360806.178	7093700.243
296	360805.359	7093699.706
297	360799.751	7093696.004
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322	360641.33	7093565.248
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324	360629.67	7093555.083
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336	360572.856	7093486.079
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346	360513.012	7093445.137
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350	360482.731	7093433.546
351	360477.084	7093432.711
352	360476.202	7093432.697
353	360472.211	7093428.643
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357	360446.47	7093404.551
358	360441.977	7093401.768
359	360432.743	7093397.19
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361	360419.177	7093388.429
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363	360410.561	7093380.422
364	360404.36	7093374.07
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367	360384.873	7093351.586
368	360379.173	7093343.961
369	360376.986	7093341.091
370	360371.981	7093335.852
371	360368.321	7093332.721
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373	360352.383	7093323.767
374	360350.638	7093323.563
375	360348.83	7093324.283

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377	360342.511	7093326.515
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379	360333.704	7093329.609
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381	360315.053	7093337.096
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384	360309.761	7093339.626
385	360301.684	7093345.555
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388	360287.639	7093356.773
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392	360269.972	7093369.831
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394	360259.02	7093370.415
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399	360229.943	7093371.991
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405	360179.028	7093357.671
406	360175.722	7093354.891
407	360170.182	7093346.572

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410	360169.085	7093335.444
411	360168.188	7093330.594
412	360165.811	7093324.772
413	360164.106	7093323.819
414	360162.195	7093323.507
415	360160.358	7093323.692
416	360158.655	7093324.248
417	360157.038	7093325.212
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421	360147.489	7093339.932
422	360147.312	7093340.311
423	360134.016	7093340.046
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427	360082.232	7093339.771
428	360065.917	7093332.278
429	360064.93	7093323.999
430	360061.498	7093324.175
431	360054.731	7093324.85
432	360047.156	7093323.7
433	360034.929	7093319.877
434	360023.032	7093315.87
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452	359924.126	7093324.434
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454	359916.957	7093326.216
455	359901.525	7093326.991
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459	359861.227	7093334.499
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462	359857.335	7093336.309
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468	359850.488	7093341.416
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482	359839.052	7093389.449
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484	359842.736	7093390.188
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620	359345.622	7093816.027
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673	359207.705	7094078.017
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675	359219.089	7094089.78
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677	359225.876	7094097.351
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679	359227.225	7094100.678
680	359227.232	7094102.509
681	359227.401	7094106.37
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683	359235.628	7094119.51
684	359241.783	7094126.382
685	359249.659	7094137.962
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687	359242.463	7094134.23
688	359233.116	7094125.65
689	359231.186	7094124.222
690	359229.468	7094123.265
691	359227.698	7094122.748
692	359223.337	7094121.486
693	359222.106	7094120.942
694	359220.851	7094120.976
695	359219.239	7094121.772

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702	359182.28	7094140.549
703	359170.052	7094140.879
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741	358953.492	7094207.812
742	358941.771	7094211.9
743	358936.02	7094213.02
744	358929.165	7094212.139
745	358920.492	7094210.781
746	358911.715	7094210.704
747	358910.736	7094210.68
748	358907.211	7094211.076
749	358897.633	7094214.028
750	358885.817	7094218.194
751	358884.787	7094218.61
752	358883.413	7094219.298
753	358882.254	7094220.057
754	358881.131	7094221.265
755	358880.115	7094224.225
756	358879.725	7094225.651
757	358879.397	7094226.55
758	358878.603	7094228.376
759	358878.086	7094229.743

760	358877.334	7094231.217
761	358876.701	7094232.437
762	358876.145	7094233.755
763	358875.511	7094234.975
764	358874.513	7094236.644
765	358874.058	7094237.483
766	358871.958	7094240.184
767	358866.548	7094246.782
768	358864.019	7094249.344
769	358856.104	7094256.009
770	358845.004	7094267.031
771	358835.478	7094276.808
772	358825.442	7094288.664
773	358820.614	7094294.881
774	358815.395	7094304.44
775	358810.583	7094316.229
776	358808.318	7094324.167
777	358808.176	7094324.997
778	358808.089	7094326.503
779	358807.99	7094328.496
780	358807.647	7094330.284
781	358807.325	7094331.895
782	358806.597	7094334.307
783	358803.038	7094349.491
784	358802.518	7094360.035
785	358803.218	7094362.433
786	358806.038	7094373.764
787	358806.761	7094375.585
788	358806.791	7094378.751
789	358806.492	7094383.216
790	358806.612	7094384.477
791	358807.556	7094388.596

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794	358811.621	7094395.749
795	358812.026	7094396.864
796	358812.8	7094398.246
797	358813.719	7094399.911
798	358814.659	7094401.401
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800	358818.273	7094410.506
801	358820.452	7094417.395
802	358822.715	7094425.095
803	358823.158	7094426.26
804	358823.767	7094427.533
805	358824.166	7094429.45
806	358824.253	7094431.375
807	358824.564	7094433.281
808	358825.072	7094435.033
809	358825.772	7094437.43
810	358826.848	7094440.805
811	358827.257	7094442.634
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813	358827.652	7094445.352
814	358826.026	7094446.299
815	358824.706	7094446.347
816	358823.743	7094446.391
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823	358805.223	7094457.672

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835	358806.095	7094465.833
836	358804.401	7094468.13
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838	358802.329	7094462.992
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843	358788.1	7094434.937
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845	358777.153	7094426.054
846	358771.752	7094420.04
847	358771.325	7094419.5
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849	358768.445	7094417.074
850	358767.208	7094416.218
851	358766.165	7094415.607
852	358761.786	7094413.809
853	358754.517	7094409.671
854	358750.026	7094406.924
855	358739.732	7094400.076

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857	358725.483	7094390.855
858	358719.033	7094388.861
859	358717.346	7094388.042
860	358715.813	7094387.82
861	358714.169	7094388.165
862	358712.815	7094389.077
863	358711.653	7094390.635
864	358710.532	7094391.841
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866	358707.416	7094391.436
867	358705.789	7094390.49
868	358702.103	7094388.861
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871	358689.101	7094387.668
872	358687.234	7094387.63
873	358686.257	7094387.606
874	358685.133	7094387.698
875	358683.432	7094387.769
876	358677.254	7094388.033
877	358662.338	7094390.27
878	358645.229	7094393.366
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880	358635.959	7094394.564
881	358633.861	7094390.402
882	358632.669	7094390.309
883	358626.152	7094391.959
884	358618.532	7094395.44
885	358614.021	7094398.614
886	358612.306	7094399.573
887	358611.012	7094400.358

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889	358606.549	7094403.893
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892	358601.882	7094406.831
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896	358573.276	7094435.791
897	358572.468	7094436.905
898	358571.958	7094437.785
899	358569.913	7094442.422
900	358568.443	7094450.035
901	358568.605	7094455.647
902	358568.174	7094459.891
903	358566.335	7094472.335
904	358566.972	7094480.998
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907	358563.384	7094496.408
908	358563.054	7094496.906
909	358563.053	7094498.739
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1269	361111.945	7094260.502
1270	361110.998	7094261.402
1271	361108.026	7094264.046

1272	361106.229	7094265.455
1273	361102.896	7094267.498
1274	361097.177	7094270.786
1275	361090.514	7094276.487
1276	361089.955	7094276.886
1277	361088.575	7094277.665
1278	361087.081	7094278.789
1279	361085.904	7094279.804
1280	361084.721	7094280.907
1281	361083.553	7094282.407
1282	361079.387	7094286.905
1283	361072.58	7094294.338
1284	361067.561	7094301.164
1285	361062.743	7094306.142
1286	361057.9	7094312.625
1287	361053.645	7094316.699
1288	361053.111	7094317.982
1289	361052.287	7094319.598
1290	361051.498	7094321.348
1291	361049.723	7094324.524
1292	361048.869	7094325.343
1293	361047.497	7094326.609
1294	361046.301	7094327.887
1295	361045.064	7094329.119
1296	361043.679	7094330.56
1297	361043.64	7094330.598
1298	361041.303	7094332.529
1299	361039.68	7094333.599
1300	361036.951	7094335.007
1301	361033.52	7094337.065
1302	361031.432	7094338.655
1303	361029.336	7094340.462

1304	361027.766	7094342.052
1305	361020.89	7094347.982
1306	361014.407	7094354.524
1307	361008.096	7094358.112
1308	361006.95	7094358.689
1309	361005.651	7094359.563
1310	360998.974	7094365.157
1311	360998.321	7094365.638
1312	360996.86	7094366.897
1313	360995.453	7094368.028
1314	360993.708	7094368.957
1315	360991.859	7094369.482
1316	360990.252	7094369.715
1317	360982.814	7094371.192
1318	360973.744	7094372.503
1319	360970.026	7094374.828
1320	360968.814	7094375.709
1321	360967.338	7094376.57
1322	360963.812	7094378.294
1323	360954.079	7094380.033
1324	360936.148	7094386.35
1325	360928.564	7094387.374
1326	360927.227	7094387.54
1327	360926.389	7094387.522
1328	360924.437	7094387.641
1329	360922.842	7094387.699
1330	360921.085	7094387.568
1331	360919.61	7094387.194
1332	360917.797	7094386.617
1333	360916.599	7094386.087
1334	360915.285	7094385.327
1335	360911.081	7094383.601

1336	360902.593	7094381.848
1337	360895.957	7094383.803
1338	360893.415	7094383.526
1339	360892.076	7094383.117
1340	360890.256	7094382.628
1341	360888.944	7094382.442
1342	360887.742	7094382.574
1343	360886.1	7094382.672
1344	360885.302	7094382.701
1345	360883.613	7094382.84
1346	360877.991	7094382.996
1347	360875.006	7094383.348
1348	360873.548	7094383.946
1349	360872.59	7094384.36
1350	360871.66	7094384.997
1351	360870.387	7094386.095
1352	360869.243	7094387.246
1353	360868.208	7094388.714
1354	360867.072	7094390.351
1355	360865.799	7094391.449
1356	360859.474	7094395.173
1357	360852.273	7094396.795
1358	360842.206	7094395.655
1359	360841.679	7094395.616
1360	360836.37	7094395.088
1361	360829.739	7094393.314
1362	360828.527	7094392.959
1363	360827.608	7094392.847
1364	360825.734	7094392.487
1365	360824.563	7094392.179
1366	360822.912	7094391.791
1367	360821.295	7094391.538

1368	360819.7	7094391.596
1369	360813.584	7094393.658
1370	360805.307	7094396.203
1371	360798.788	7094396.466
1372	360798.612	7094396.453
1373	360796.652	7094396.66
1374	360794.821	7094396.922
1375	360791.905	7094398.118
1376	360786.896	7094402.68
1377	360784.818	7094408.657
1378	360784.22	7094409.584
1379	360782.331	7094412.447
1380	360776.773	7094417.731
1381	360775.628	7094418.883
1382	360774.766	7094419.79
1383	360774.099	7094420.447
1384	360772.872	7094421.505
1385	360771.598	7094422.602
1386	360770.331	7094423.612
1387	360768.928	7094424.656
1388	360767.62	7094425.619
1389	360762.267	7094428.092
1390	360757.323	7094431.612
1391	360756.439	7094432.209
1392	360754.902	7094433.287
1393	360753.829	7094434.047
1394	360752.285	7094435.213
1395	360750.835	7094436.298
1396	360749.486	7094437.214
1397	360745.005	7094439.841
1398	360738.989	7094442.022
1399	360729.679	7094442.607

1400	360729.092	7094442.784
1401	360727.734	7094443.213
1402	360723.09	7094443.84
1403	360718.124	7094443.427
1404	360717.596	7094443.388
1405	360715.674	7094443.069
1406	360714.509	7094442.673
1407	360713.141	7094442.041
1408	360711.914	7094441.287
1409	360710.442	7094440.25
1410	360709.316	7094439.327
1411	360706.268	7094436.274
1412	360703.689	7094434.619
1413	360696.994	7094433.717
1414	360695.728	7094433.491
1415	360693.988	7094433.096
1416	360692.126	7094432.561
1417	360686.634	7094430.871
1418	360675.139	7094425.423
1419	360674.054	7094424.547
1420	360673.225	7094423.779
1421	360672.222	7094422.997
1422	360671.475	7094422.323
1423	360670.227	7094421.259
1424	360669.33	7094420.22
1425	360668.107	7094418.804
1426	360666.953	7094417.658
1427	360665.555	7094416.229
1428	360664.332	7094414.813
1429	360663.543	7094413.517
1430	360662.685	7094411.951
1431	360662.179	7094410.412

1432	360661.686	7094408.696
1433	360661.369	7094406.994
1434	360660.944	7094405.549
1435	360659.164	7094403.296
1436	360655.709	7094402.363
1437	360649.788	7094406.311
1438	360648.196	7094407.518
1439	360646.642	7094408.198
1440	360643.247	7094408.652
1441	360637.914	7094406.003
1442	360636.262	7094405.615
1443	360634.76	7094405.592
1444	360633.374	7094405.798
1445	360631.968	7094406.268
1446	360630.678	7094406.967
1447	360629.064	7094407.863
1448	360627.721	7094408.691
1449	360626.695	7094409.41
1450	360624.986	7094410.387
1451	360623.237	7094411.318
1452	360621.542	7094412.119
1453	360613.788	7094414.106
1454	360604.991	7094415.593
1455	360591.697	7094424.716
1456	360585.582	7094425.625
1457	360584.642	7094425.776
1458	360582.984	7094426.051
1459	360581.428	7094426.156
1460	360579.831	7094426.214
1461	360577.976	7094426.165
1462	360576.615	7094426.02
1463	360574.786	7094425.618

1464	360573.328	7094424.98
1465	360572.054	7094424.266
1466	360567.308	7094422.013
1467	360564.408	7094420.549
1468	360560.044	7094419.376
1469	360557.769	7094419.015
1470	360553.683	7094419.697
1471	360553.664	7094419.7

Polígono 12

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Acesso	Desapropriação	1.1323	Fabiano Ziebarth Leinig	ART Nº 1720212799480

Vértice	Coordenada E (m)	Coordenada N (m)
0	357190.8796	7096507.186
1	356841.1699	7096386.4005
2	356838.6243	7096385.4903
3	356837.0055	7096385.0549
4	356835.7419	7096384.8227
5	356834.7384	7096384.6463
6	356833.8229	7096384.5522
7	356832.6242	7096384.4686
8	356831.7229	7096384.4593
9	356830.6079	7096384.4686
10	356829.6973	7096384.515
11	356828.5173	7096384.6265
12	356827.4167	7096384.7753
13	356826.441	7096384.9704
14	356825.6419	7096385.1282
15	356824.7964	7096385.3511
16	356823.9323	7096385.6112
17	356822.8128	7096386.0119

18	356821.0195	7096386.7456
19	356819.7558	7096387.3586
20	356818.0368	7096388.3802
21	356817.3399	7096388.8353
22	356816.1017	7096389.758
23	356814.8659	7096390.7889
24	356813.9433	7096391.684
25	356812.8283	7096392.8542
26	356811.9177	7096393.9037
27	356810.9399	7096395.217
28	356809.6477	7096397.3095
29	356809.3504	7096398.0153
30	356795.5153	7096429.276
31	356767.9746	7096491.7657
32	356766.4093	7096494.8843
33	356764.0067	7096498.5472
34	356760.5522	7096502.4654
35	356756.3294	7096505.7402
36	356752.1551	7096508.1902
37	356749.0244	7096509.5244
38	356745.127	7096510.625
39	356741.0013	7096511.28
40	356736.463	7096511.4498
41	356706.2331	7096511.7893
42	356689.5293	7096511.9799
43	356685.0455	7096511.5442
44	356681.309	7096510.486
45	356676.0779	7096507.9339
46	356669.7259	7096504.1369
47	356655.1536	7096498.1612
48	356620.6934	7096466.3035
49	356617.5118	7096463.084

50	356615.2336	7096461.278
51	356600.2565	7096453.6531
52	356542.5306	7096440.3471
53	356533.4159	7096438.2874
54	356530.7211	7096437.3763
55	356526.996	7096435.7919
56	356523.3848	7096433.6424
57	356520.7296	7096431.5034
58	356517.9556	7096428.9287
59	356515.4139	7096425.8296
60	356513.7098	7096423.2153
61	356512.0824	7096419.9575
62	356510.9728	7096417.0263
63	356500.5078	7096390.7286
64	356499.0876	7096388.867
65	356496.9748	7096385.8787
66	356495.2208	7096383.9661
67	356492.9486	7096382.173
68	356460.9321	7096356.3154
69	356442.0021	7096337.5657
70	356455.1948	7096336.7641
71	356460.7286	7096341.8143
72	356462.8939	7096344.1391
73	356466.7836	7096348.2674
74	356471.7756	7096352.3592
75	356475.4957	7096354.9877
76	356504.5629	7096380.0799
77	356510.2714	7096385.4011
78	356513.6795	7096389.7806
79	356523.4374	7096414.101
80	356527.0293	7096420.1274
81	356531.0701	7096423.91

82	356535.9448	7096426.0897
83	356563.1845	7096433.6048
84	356596.6301	7096444.2697
85	356612.3269	7096450.3199
86	356614.49	7096450.5079
87	356618.6885	7096451.0894
88	356622.1284	7096451.8731
89	356626.2004	7096453.3141
90	356629.1597	7096454.8057
91	356631.3349	7096456.1962
92	356636.6321	7096461.1343
93	356643.2154	7096467.2881
94	356654.4863	7096477.7795
95	356659.0713	7096483.2953
96	356662.2768	7096487.4727
97	356664.9954	7096490.6767
98	356669.8406	7096494.3108
99	356673.249	7096496.947
100	356676.8197	7096499.4616
101	356679.6194	7096501.1244
102	356681.9322	7096502.0167
103	356686.6783	7096503.3203
104	356690.2088	7096503.7855
105	356704.4003	7096503.827
106	356729.5505	7096505.3135
107	356737.9508	7096505.4343
108	356740.4469	7096505.3366
109	356742.4976	7096505.0627
110	356744.1016	7096504.6872
111	356745.2792	7096504.3727
112	356746.4974	7096503.9972
113	356748.1347	7096503.3967

114	356749.7286	7096502.6559
115	356751.7082	7096501.5905
116	356753.5699	7096500.3689
117	356756.0381	7096498.34
118	356757.5483	7096496.8468
119	356759.6024	7096494.3233
120	356760.886	7096492.4114
121	356761.7104	7096490.8962
122	356762.6146	7096489.1153
123	356764.3698	7096485.128
124	356789.5651	7096428.1553
125	356803.9644	7096395.0672
126	356805.7806	7096389.8443
127	356806.3814	7096385.426
128	356806.0384	7096380.0019
129	356805.0943	7096375.9696
130	356803.6352	7096372.5379
131	356801.9577	7096369.4771
132	356799.769	7096366.6031
133	356797.2369	7096363.9435
134	356795.5203	7096362.6995
135	356726.497	7096309.8391
136	356730.7079	7096309.4883
137	356734.9142	7096308.6975
138	356797.6151	7096356.6813
139	356799.1143	7096357.8636
140	356807.6503	7096362.2903
141	356843.6467	7096380.9382
142	356851.1931	7096383.5227
143	356894.5222	7096398.4874
144	356937.8513	7096413.4521
145	357075.2879	7096460.9189

146	357212.7245	7096508.3858
147	357211.3557	7096502.5506
148	357209.1413	7096491.7143
149	357207.2719	7096480.8586
150	357204.5342	7096461.5511
151	357202.6711	7096446.618
152	357200.4722	7096429.3558
153	357197.0235	7096405.8396
154	357176.8216	7096318.1567
155	357159.0193	7096243.93
156	357153.0471	7096214.1136
157	357151.2473	7096204.319
158	357145.6659	7096171.6254
159	357151.8705	7096169.3265
160	357156.5718	7096194.8538
161	357163.0327	7096228.9254
162	357170.8781	7096265.9227
163	357178.9355	7096299.9745
164	357189.0039	7096339.8565
165	357195.8435	7096371.2238
166	357201.3498	7096394.9766
167	357204.2762	7096410.0763
168	357207.0492	7096429.5515
169	357210.4662	7096458.0333
170	357212.6169	7096472.8281
171	357215.154	7096487.5285
172	357217.1781	7096498.1505
173	357220.3506	7096511.0196
174	357316.2825	7096544.1519
175	357327.9616	7096548.1856
176	357324.2432	7096553.2466
177	357318.5544	7096551.2818

178	357223.0177	7096518.4103
179	357224.2553	7096521.0711
180	357227.314	7096526.6383
181	357231.1141	7096532.392
182	357233.3213	7096535.2861
183	357230.5419	7096534.2844
184	357227.7443	7096534.5867
185	357225.8889	7096537.9203
186	357224.2495	7096535.558
187	357222.8882	7096533.4589
188	357221.8408	7096531.7532
189	357219.9264	7096528.3776
190	357218.3672	7096525.2994
191	357216.7121	7096521.5536
192	357215.3208	7096517.8052
193	357214.556	7096515.3636
194	357190.8796	7096507.186

Polígono 13

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Acesso	Desapropriação	0.33406949	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	356999.049		7095481.487	
1	356997.83		7095494.887	
2	356995.947		7095517.443	
3	356996.113		7095536.367	
4	356996.777		7095554.991	
5	356996.61		7095564.178	
6	356995.693		7095577.455	
7	356996.193		7095591.144	
8	356997.028		7095605.836	

9	356998.613	7095616.109
10	356999.614	7095626.614
11	357001.119	7095639.733
12	357004.038	7095647.737
13	357005.626	7095656.516
14	357007.544	7095666.687
15	357008.379	7095678.225
16	357010.38	7095688.229
17	357011.966	7095699.925
18	357013.801	7095718.266
19	357018.807	7095731.706
20	357023.732	7095745.15
21	357031.329	7095758.761
22	357042.265	7095775.543
23	357061.84	7095800.153
24	357072.98	7095810.954
25	357085.51	7095821.949
26	357094.65	7095828.556
27	357099.486	7095832.152
28	357101.563	7095834.201
29	357111.276	7095849.26
30	357118.524	7095862.14
31	357127.519	7095878.736
32	357142.294	7095907.481
33	357146.923	7095916.273
34	357149.7	7095924.255
35	357151.089	7095930.386
36	357151.899	7095937.442
37	357152.157	7095943.649
38	357152.112	7095945.845
39	357150.553	7095946.022
40	357144.233	7095948.327

41	357144.682	7095940.916
42	357143.906	7095933.688
43	357142.255	7095926.798
44	357140.749	7095922.373
45	357138.371	7095917.525
46	357123.766	7095889.298
47	357108.892	7095861.169
48	357096.835	7095839.959
49	357094.562	7095837.753
50	357088.695	7095833.307
51	357068.969	7095815.423
52	357057.385	7095804.191
53	357037.393	7095779.057
54	357026.19	7095761.865
55	357018.262	7095747.66
56	357013.179	7095733.785
57	357007.908	7095719.634
58	357006.006	7095700.627
59	357004.46	7095689.222
60	357002.421	7095679.033
61	357001.585	7095667.462
62	356999.726	7095657.606
63	356998.226	7095649.31
64	356995.239	7095641.123
65	356993.647	7095627.24
66	356992.657	7095616.852
67	356991.054	7095606.466
68	356990.2	7095591.423
69	356989.685	7095577.357
70	356990.614	7095563.917
71	356990.775	7095555.043
72	356990.114	7095536.501

73	356989.944		7095517.219	
74	356991.853		7095494.365	
75	356993.678		7095476.354	
76	356999.049		7095481.487	
Polígono 14				
UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Acesso	Uso	0.3221	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	358211.659		7094372.153	
1	358216.618		7094378.103	
2	358220.647		7094383.731	
3	358224.784		7094390.276	
4	358228.714		7094398.022	
5	358231.412		7094406.216	
6	358232.0307		7094408.8007	
7	358231.0645		7094407.2238	
8	358224.5956		7094399.7459	
9	358220.6656		7094396.2967	
10	358216.7356		7094392.8476	
11	358210.6696		7094388.6095	
12	358205.2742		7094385.877	
13	358205.3052		7094385.9125	
14	358200.6006		7094384.023	
15	358196.1008		7094382.3675	
16	358188.5027		7094377.4145	
17	358169.2245		7094362.3542	
18	358161.8006		7094351.5792	
19	358081.2325		7094305.6421	
20	358062.1742		7094297.3667	
21	357959.017		7094245.7954	

22	357975.3398	7094246.2906
23	358066.418	7094289.8001
24	358090.7059	7094299.2678
25	358095.8812	7094302.6018
26	358098.4563	7094304.103
27	358106.3446	7094308.7017
28	358114.3277	7094313.1697
29	358120.7662	7094317.5014
30	358133.5556	7094325.0367
31	358137.0737	7094326.1648
32	358139.6504	7094326.2876
33	358140.9664	7094326.8442
34	358147.4336	7094330.1957
35	358155.998	7094335.394
36	358161.7295	7094338.9364
37	358169.467	7094343.5994
38	358175.0957	7094346.9826
39	358180.9135	7094347.5049
40	358186.9303	7094348.2632
41	358193.5421	7094350.0979
42	358190.365	7094354.177
43	358211.659	7094372.153

Polígono 15

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Acesso	Uso	0.3778	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	358278.6725		7094430.5777	
1	358278.7506		7094430.8714	
2	358278.814		7094431.2026	
3	358280.748		7094445.7019	

4	358280.321	7094449.4208
5	358279.204	7094453.1214
6	358275.7335	7094460.7906
7	358274.7391	7094461.9784
8	358273.646	7094462.8582
9	358271.4265	7094464.0004
10	358270.6317	7094464.2715
11	358271.5528	7094468.183
12	358269.529	7094468.918
13	358262.1834	7094470.2774
14	358261.4975	7094467.3647
15	358251.5612	7094466.6628
16	358252.4353	7094465.386
17	358249.1653	7094461.9561
18	358247.5713	7094458.2927
19	358244.2099	7094439.8878
20	358241.9605	7094432.8915
21	358239.4799	7094426.3253
22	358236.9994	7094419.759
23	358234.6766	7094413.1191
24	358232.0307	7094408.8007
25	358231.412	7094406.216
26	358228.714	7094398.022
27	358224.784	7094390.276
28	358220.647	7094383.731
29	358216.618	7094378.103
30	358211.659	7094372.153
31	358190.365	7094354.177
32	358193.5421	7094350.0979
33	358200.0363	7094351.8999
34	358209.8805	7094354.8376
35	358221.6136	7094359.1597

36	358222.429	7094359.4602
37	358226.0989	7094361.5836
38	358229.6874	7094363.6599
39	358233.014	7094365.8475
40	358236.5889	7094368.2002
41	358248.1729	7094377.7265
42	358257.3738	7094387.714
43	358271.7947	7094411.469
44	358275.8767	7094421.5497
45	358278.6725	7094430.5777

Polígono 16

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Área de Preservação Permanente	Desapropriação	4.73190984	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	357397.844		7096419.262	
1	357397.856		7096419.433	
2	357397.875		7096419.444	
3	357398.156		7096419.671	
4	357398.612		7096440.218	
5	357399.007		7096462.669	
6	357404.468		7096480.814	
7	357409.571		7096505.802	
8	357432.672		7096534.386	
9	357435.468		7096538.118	
10	357438.184		7096539.646	
11	357438.897		7096540.09	
12	357437.867		7096543.016	
13	357424.212		7096536.603	

14	357348.504	7096502.716
15	357328.903	7096546.904
16	357327.962	7096548.186
17	357316.282	7096544.152
18	357308.397	7096505.538
19	357304.207	7096491.615
20	357300.256	7096477.944
21	357299.632	7096442.496
22	357299.374	7096430.845
23	357298.816	7096422.432
24	357299.193	7096378.254
25	357296.439	7096356.195
26	357291.629	7096348.003
27	357292.995	7096316.628
28	357293.149	7096314.732
29	357296.277	7096275.534
30	357296.799	7096263.189
31	357297.06	7096254.259
32	357297.431	7096242.098
33	357299.043	7096189.241
34	357311.883	7096172.323
35	357323.59	7096147.056
36	357324.769	7096143.606
37	357301.111	7096138.043
38	357262.016	7096135.651
39	357242.331	7096131.636
40	357416.313	7096061.78
41	357421.39	7096073.277
42	357431.338	7096100.141

43	357431.302	7096103.143
44	357426.517	7096151.122
45	357424.341	7096158.25
46	357415.528	7096184.018
47	357397.09	7096223.813
48	357397.091	7096223.81
49	357397.023	7096223.9
50	357396.015	7096256.949
51	357395.699	7096267.772
52	357395.681	7096267.919
53	357395.674	7096267.963
54	357395.109	7096281.326
55	357391.826	7096322.464
56	357391.817	7096322.58
57	357392.178	7096323.195
58	357393.572	7096332.665
59	357394.762	7096344.275
60	357398.246	7096372.178
61	357397.844	7096419.262

Polígono 17

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Área de Preservação Permanente	Desapropriação	23.69645281	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	357959.017		7094245.795	
1	357949.798		7094245.516	
2	357926.878		7094289.66	
3	357901.08		7094314.302	

4	357855.183	7094409.53
5	357778.408	7094456.355
6	357754.016	7094495.012
7	357744.14	7094518.35
8	357732.729	7094550.866
9	357710.238	7094583.923
10	357702.865	7094602.72
11	357685.494	7094646.048
12	357654.972	7094701.302
13	357646.182	7094723.636
14	357596.181	7094730.365
15	357549.305	7094744.981
16	357525.775	7094768.939
17	357525.992	7094768.975
18	357526.772	7094788.445
19	357515.172	7094814.245
20	357506.782	7094838.425
21	357509.132	7094872.585
22	357520.292	7094894.295
23	357546.972	7094923.025
24	357574.932	7094945.695
25	357606.692	7094980.245
26	357658.582	7095032.485
27	357687.372	7095052.895
28	357774.502	7095098.885
29	357777.012	7095103.215
30	357678.282	7095163.155
31	357638.092	7095190.235
32	357582.962	7095221.165
33	357528.272	7095254.955

34	357488.382	7095290.815
35	357442.162	7095322.005
36	357402.772	7095380.325
37	357419.422	7095450.245
38	357435.862	7095475.505
39	357460.732	7095502.335
40	357462.472	7095555.875
41	357409.002	7095569.305
42	357351.942	7095584.675
43	357317.542	7095611.725
44	357279.852	7095638.135
45	357258.022	7095661.835
46	357253.462	7095688.445
47	357248.972	7095714.405
48	357251.812	7095722.575
49	357240.277	7095711.524
50	357240.162	7095718.062
51	357253.104	7095746.329
52	357269.663	7095766.052
53	357294.104	7095787.643
54	357295.597	7095788.869
55	357305.731	7095798.269
56	357311.975	7095802.53
57	357310.682	7095804.979
58	357306.997	7095813.295
59	357303.627	7095822.844
60	357297.222	7095843.207
61	357294.958	7095862.031
62	357294.831	7095871.317
63	357277.257	7095881.926
64	357272.711	7095884.059
65	357264.179	7095910.974

66	357260.23	7095916.169
67	357259.023	7095917.693
68	357256.376	7095919.878
69	357251.258	7095926.544
70	357240.701	7095932.805
71	357231.501	7095936.422
72	357303.353	7095927.304
73	357306.918	7095926.621
74	357358.495	7095917.982
75	357389.94	7095915.756
76	357390.307	7095915.079
77	357392.282	7095910.684
78	357393.291	7095906.824
79	357394.317	7095897.079
80	357393.729	7095879.134
81	357393.876	7095868.402
82	357394.4	7095864.043
83	357395.557	7095860.51
84	357397.539	7095854.211
85	357399.04	7095849.956
86	357399.757	7095848.337
87	357401.006	7095845.972
88	357402.236	7095844.185
89	357403.309	7095842.605
90	357404.027	7095841.388
91	357408.209	7095834.829
92	357413.217	7095826.082
93	357415.065	7095821.951
94	357420.31	7095807.381
95	357423.348	7095800.206
96	357424.142	7095797.479
97	357424.446	7095795.949

98	357425.566	7095788.213
99	357424.73	7095774.557
100	357420.109	7095764.651
101	357417.9	7095761.026
102	357406.772	7095750.615
103	357396.991	7095741.463
104	357383.726	7095730.92
105	357367.346	7095719.74
106	357360.458	7095713.352
107	357358.028	7095711.357
108	357356.596	7095710.091
109	357356.238	7095708.448
110	357365.558	7095703.716
111	357371.597	7095699.843
112	357373.616	7095698.225
113	357375.004	7095697.032
114	357376.098	7095696.076
115	357377.87	7095694.254
116	357380.762	7095690.005
117	357388.677	7095675.213
118	357391.415	7095667.064
119	357392.055	7095666.551
120	357393.752	7095666.237
121	357395.658	7095666.48
122	357398.483	7095667.355
123	357409.619	7095671.553
124	357419.422	7095674.408
125	357428.616	7095677.913
126	357438.982	7095683.863
127	357443.324	7095685.702
128	357449.594	7095687.608
129	357457.85	7095688.65

130	357465.364	7095688.274
131	357467.923	7095687.514
132	357469.465	7095687.005
133	357470.789	7095686.429
134	357472.034	7095685.755
135	357473.23	7095685.12
136	357475.848	7095683.428
137	357477.672	7095681.7
138	357479.044	7095679.731
139	357481.613	7095674.579
140	357483.094	7095663.686
141	357483.211	7095663.035
142	357483.668	7095661.715
143	357485.284	7095659.552
144	357494.181	7095653.34
145	357508.764	7095646.659
146	357516.126	7095641.511
147	357520.869	7095637.175
148	357530.591	7095626.005
149	357537.889	7095614.693
150	357541.769	7095605.785
151	357546.314	7095590.131
152	357549.701	7095574.522
153	357550.688	7095565.287
154	357552.718	7095556.256
155	357552.618	7095539.278
156	357550.43	7095526.275
157	357550.09	7095523.755
158	357550.288	7095514.429
159	357549.424	7095503.477
160	357545.813	7095491.686
161	357544.723	7095486.336

162	357542.437	7095474.604
163	357540.812	7095467.687
164	357536.984	7095460.215
165	357533.682	7095454.795
166	357530.74	7095451.721
167	357517.258	7095436.884
168	357505.404	7095422.185
169	357492.324	7095404.958
170	357497.691	7095407.37
171	357509.362	7095412.961
172	357510.414	7095413.078
173	357512.139	7095412.737
174	357521.69	7095407.5
175	357531.232	7095403.147
176	357538.68	7095398.473
177	357541.303	7095396.059
178	357553.476	7095380.509
179	357557.116	7095372.972
180	357558.983	7095362.621
181	357559.013	7095358.367
182	357559.532	7095355.319
183	357562.86	7095348.189
184	357574.463	7095334.205
185	357581.969	7095326.69
186	357582.779	7095326.202
187	357583.843	7095325.432
188	357584.467	7095325.012
189	357585.56	7095324.378
190	357587.083	7095323.481
191	357587.844	7095323.032
192	357591.397	7095321.47
193	357607.998	7095318.504

194	357613.874	7095318.04
195	357625.374	7095318.196
196	357636.163	7095317.163
197	357642.003	7095315.452
198	357653.435	7095307.518
199	357663.697	7095299.32
200	357672.623	7095290.751
201	357676.818	7095286.681
202	357682.471	7095279.527
203	357686.981	7095273.847
204	357694.984	7095263.617
205	357695.464	7095262.914
206	357696.57	7095261.391
207	357697.284	7095260.581
208	357699.553	7095258.608
209	357705.94	7095254.864
210	357717.778	7095245.805
211	357725.519	7095239.94
212	357737.42	7095231.151
213	357747.788	7095222.548
214	357761.311	7095212.063
215	357773.475	7095202.984
216	357781.341	7095197.26
217	357793.381	7095189.72
218	357807.736	7095181.452
219	357819.615	7095173.802
220	357828.508	7095167.338
221	357829.921	7095165.889
222	357834.211	7095159.101
223	357836.825	7095153.332
224	357837.011	7095152.862
225	357837.895	7095151.356

226	357839.063	7095150.103
227	357840.72	7095148.858
228	357845.477	7095145.458
229	357850.117	7095142.312
230	357858.805	7095131.768
231	357862.059	7095125.086
232	357864.349	7095113.889
233	357864.765	7095103.87
234	357864.776	7095102.639
235	357864.94	7095084.514
236	357863.019	7095077
237	357852.431	7095056.077
238	357843.394	7095041.202
239	357841.82	7095038.137
240	357839.092	7095033.031
241	357838.7	7095032.543
242	357837.732	7095030.835
243	357837.4	7095030.22
244	357836.402	7095028.776
245	357835.688	7095027.986
246	357834.346	7095026.816
247	357830.028	7095023.945
248	357825.397	7095019.882
249	357815.143	7095007.104
250	357808.665	7094999.635
251	357807.677	7094998.905
252	357806.57	7094998.028
253	357805.317	7094997.27
254	357803.995	7094996.726
255	357802.359	7094996.194
256	357786.778	7094991.532
257	357770.535	7094985.24

258	357755.189	7094976.15
259	357753.506	7094975.657
260	357746.878	7094974.321
261	357734.652	7094972.827
262	357729.954	7094972.188
263	357728.339	7094971.48
264	357727.048	7094971.074
265	357718.606	7094965.669
266	357709.054	7094955.068
267	357699.56	7094946.344
268	357687.485	7094935.207
269	357676.918	7094924.944
270	357671.059	7094918.231
271	357668.977	7094915.944
272	357659.092	7094902.728
273	357646.029	7094884.542
274	357639.825	7094874.705
275	357633.122	7094866.551
276	357620.401	7094850.897
277	357618.301	7094847.378
278	357615.184	7094844.596
279	357612.868	7094843.814
280	357611.831	7094843.525
281	357610.922	7094843.295
282	357603.786	7094842.622
283	357592.36	7094842.114
284	357591.51	7094842.157
285	357589.907	7094842.164
286	357596.028	7094837.563
287	357606.608	7094831.701
288	357616.083	7094828.571
289	357617.433	7094828.447

290	357618.704	7094828.227
291	357620.024	7094827.967
292	357621.012	7094827.894
293	357622.048	7094827.782
294	357628.746	7094828.407
295	357636.734	7094831.442
296	357644.616	7094834.242
297	357647.559	7094835.002
298	357652.411	7094835.831
299	357657.585	7094836.963
300	357673.439	7094844.58
301	357680.169	7094846.947
302	357681.158	7094846.874
303	357682.616	7094846.584
304	357684.143	7094846.079
305	357685.69	7094845.397
306	357687.149	7094844.707
307	357691.398	7094842.576
308	357699.116	7094837.339
309	357706.025	7094832.584
310	357708.752	7094829.401
311	357712.496	7094823.985
312	357724.892	7094805.787
313	357725.363	7094804.85
314	357724.553	7094804.442
315	357726.279	7094801.016
316	357729.833	7094793.843
317	357731.224	7094786.946
318	357735.483	7094770.792
319	357741.574	7094751.918
320	357744.23	7094745.212
321	357758.403	7094721.067

322	357765.199	7094709.023
323	357768.122	7094703.455
324	357773.874	7094690.484
325	357780.67	7094678.835
326	357789.275	7094665.04
327	357789.779	7094664.165
328	357793.679	7094657.108
329	357795.339	7094651.342
330	357795.811	7094645.479
331	357796.653	7094636.856
332	357796.891	7094636.35
333	357797.663	7094634.706
334	357798.533	7094632.984
335	357800.461	7094630.586
336	357807.463	7094622.112
337	357817.254	7094606.975
338	357823.536	7094593.336
339	357826.607	7094581.675
340	357835.486	7094556.264
341	357841.243	7094542.954
342	357843.771	7094538.885
343	357850.376	7094529.682
344	357851.388	7094528.643
345	357852.706	7094527.283
346	357856.133	7094524.256
347	357862.526	7094521.355
348	357869.656	7094518.986
349	357872.405	7094517.929
350	357873.149	7094517.66
351	357874.422	7094517.052
352	357875.688	7094516.131
353	357876.711	7094515.004

354	357877.369	7094513.209
355	357877.406	7094511.029
356	357877.477	7094505.554
357	357880.533	7094515.41
358	357883.84	7094524.269
359	357885.002	7094525.342
360	357903.886	7094526.276
361	357910.217	7094526.532
362	357924.839	7094526.295
363	357925.347	7094526.132
364	357928.772	7094525.02
365	357938.081	7094519.34
366	357939.102	7094518.613
367	357940.183	7094517.76
368	357941.362	7094516.829
369	357942.54	7094515.897
370	357943.828	7094514.801
371	357945.481	7094513.256
372	357946.593	7094512.139
373	357947.873	7094510.729
374	357953.238	7094504.181
375	357966.852	7094487.052
376	357967.581	7094482.811
377	357967.942	7094461.483
378	357967.627	7094443.953
379	357968.611	7094418.137
380	357971.608	7094404.203
381	357974.684	7094393.714
382	357979.932	7094381.827
383	357983.727	7094375.395
384	357992.435	7094364.759

385	358005.816	7094351.944
386	358011.477	7094345.951
387	358011.504	7094345.927
388	358016.512	7094341.488
389	358028.524	7094329.355
390	358044.005	7094315.436
391	358048.485	7094311.893
392	358060.433	7094304.441
393	358062.357	7094303.638
394	358070.128	7094305.398
395	358071.609	7094306.063
396	358073.174	7094307.141
397	358074.384	7094308.579
398	358075.588	7094309.704
399	358077.36	7094310.538
400	358083.967	7094312.34
401	358085.754	7094312.684
402	358087.816	7094312.97
403	358092.973	7094314.96
404	358099.433	7094316.88
405	358104.461	7094318.886
406	358081.233	7094305.642
407	358062.174	7094297.367
408	357959.017	7094245.795
409	357959.017	7094245.795

Polígono 18

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)

Área de Preservação Permanente	Desapropriação	4.8856	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	358145.1347		7094073.5454	
1	358152.8371		7094102.2001	
2	358154.7438		7094114.2739	
3	358155.7111		7094121.7381	
4	358156.0069		7094131.174	
5	358154.0028		7094142.0367	
6	358151.0905		7094158.0952	
7	358145.0644		7094191.2444	
8	358142.3413		7094202.0312	
9	358134.6403		7094220.8301	
10	358129.908		7094232.0044	
11	358118.4857		7094251.3445	
12	358114.7282		7094257.751	
13	358109.7677		7094263.0318	
14	358097.3428		7094270.3016	
15	358084.3888		7094276.7923	
16	358080.3598		7094278.7807	
17	358073.3122		7094280.2814	
18	358073.942		7094280.9813	
19	358079.1562		7094283.2465	
20	358081.0315		7094283.6002	
21	358082.738		7094284.2473	
22	358083.614		7094284.7524	
23	358086.01		7094287.0902	
24	358086.6538		7094288.4179	
25	358090.7059		7094299.2678	
26	358066.418		7094289.8001	
27	357975.3398		7094246.2906	

28	357979.6113	7094246.4202
29	357983.3453	7094242.3382
30	358040.9753	7094186.7802
31	358047.7633	7094170.6542
32	358055.9513	7094125.5832
33	358046.8903	7094090.7832
34	358042.4473	7094033.7122
35	358037.5843	7094023.1782
36	358025.1943	7093993.1302
37	358024.3933	7093961.5962
38	358019.9303	7093910.3362
39	358027.9863	7093851.1732
40	358067.9233	7093812.2992
41	358116.0763	7093799.5942
42	358122.0234	7093799.7903
43	358121.943	7093803.57
44	358114.233	7093813.214
45	358113.099	7093814.747
46	358111.802	7093820.321
47	358116.751	7093821.328
48	358121.685	7093833.884
49	358122.644	7093838.771
50	358122.096	7093846.229
51	358122.403	7093858.274
52	358126.197	7093865.358
53	358127.827	7093870.152
54	358129.843	7093872.24
55	358132.735	7093874.912
56	358132.47	7093885.083
57	358131.103	7093889.343
58	358131.948	7093897.764
59	358135.768	7093910.168

60	358137.187	7093917.303
61	358136.7318	7093921.4186
62	358136.6522	7093920.1573
63	358135.5962	7093917.9605
64	358129.9815	7093911.9387
65	358128.795	7093907.9207
66	358128.7116	7093906.7066
67	358128.7248	7093905.8158
68	358128.4332	7093900.2055
69	358127.9239	7093895.3284
70	358127.3061	7093893.3388
71	358126.4374	7093893.1493
72	358125.7882	7093907.3511
73	358125.9324	7093915.7993
74	358127.5558	7093917.9492
75	358128.5958	7093919.3627
76	358129.0882	7093920.8915
77	358129.5807	7093922.4204
78	358129.8959	7093924.3303
79	358130.1737	7093925.7897
80	358129.9025	7093927.7658
81	358129.7641	7093928.196
82	358127.6209	7093934.4615
83	358127.4376	7093936.4476
84	358127.3538	7093937.9545
85	358127.1417	7093939.8034
86	358127.3145	7093940.6262
87	358127.0702	7093945.8612
88	358127.3067	7093953.1139
89	358126.8255	7093953.8167
90	358125.621	7093954.6144
91	358125.0145	7093954.8567

92	358122.6102	7093955.2485
93	358112.8668	7093954.0361
94	358113.3132	7093954.8012
95	358114.755	7093955.8148
96	358122.8543	7093960.4948
97	358126.6106	7093964.2281
98	358127.2717	7093965.0624
99	358130.022	7093971.3555
100	358133.847	7093985.3533
101	358136.5147	7094000.5097
102	358137.2777	7094002.7825
103	358141.0238	7094019.3996
104	358142.1066	7094035.1729
105	358143.3384	7094047.708
106	358144.4048	7094065.1708
107	358145.1347	7094073.5454

Polígono 19

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Área de Preservação Permanente	Uso	15.6463	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	359071.7654		7093699.7336	
1	359071.8506		7093700.2115	
2	359074.0623		7093706.7618	
3	359079.5054		7093718.0198	
4	359088.2814		7093731.9897	
5	359092.417		7093737.339	
6	359101.5249		7093748.4927	
7	359107.2837		7093753.6765	
8	359115.742		7093761.2747	

9	359118.6787	7093764.6981
10	359120.0542	7093767.7586
11	359120.5982	7093769.5617
12	359120.8577	7093771.5094
13	359121.0039	7093772.9088
14	359120.9252	7093774.3262
15	359116.4487	7093789.1776
16	359113.2945	7093799.637
17	359110.3481	7093805.7076
18	359100.8038	7093817.4611
19	359088.352	7093830.0733
20	359084.5762	7093833.3706
21	359069.6224	7093844.928
22	359051.68	7093860.6757
23	359041.6507	7093869.7826
24	359028.5506	7093882.2679
25	359011.7657	7093898.0582
26	359003.2844	7093906.8995
27	358999.3214	7093912.1767
28	358989.9665	7093924.6545
29	358978.9296	7093941.7367
30	358978.6429	7093942.1803
31	358977.4462	7093944.0084
32	358974.6356	7093947.0357
33	358966.3651	7093957.029
34	358958.4914	7093966.3076
35	358953.2207	7093971.2844
36	358938.7337	7093985.9638
37	358930.9709	7093995.0739

38	358924.053	7094003.8341
39	358910.857	7094017.8091
40	358905.8084	7094022.0497
41	358902.7507	7094024.1532
42	358885.738	7094033.3992
43	358873.7259	7094039.9615
44	358861.9368	7094045.3882
45	358859.125	7094045.7784
46	358839.5837	7094044.6415
47	358825.5657	7094043.204
48	358807.9255	7094036.8849
49	358795.613	7094033.4568
50	358776.0267	7094027.0028
51	358762.4115	7094022.1301
52	358753.7145	7094019.833
53	358746.6364	7094018.5708
54	358741.0349	7094015.7378
55	358739.6678	7094015.2231
56	358738.5155	7094014.7778
57	358731.9817	7094014.2033
58	358728.1171	7094014.0703
59	358726.2219	7094013.4947
60	358726.1053	7094013.3474
61	358724.0298	7094002.8411
62	358719.12	7093989.8647
63	358714.3985	7093981.7757
64	358714.3897	7093983.382
65	358716.5778	7093994.8396
66	358719.5322	7094009.2865
67	358719.8196	7094012.1765
68	358719.8849	7094012.7643

69	358720.8449	7094017.919
70	358721.4603	7094019.9093
71	358722.5179	7094021.5488
72	358723.6554	7094022.8851
73	358724.1424	7094023.2983
74	358731.8953	7094029.8607
75	358732.7973	7094031.3037
76	358733.0605	7094033.2533
77	358730.1141	7094040.5458
78	358720.984	7094049.624
79	358720.0358	7094051.2552
80	358719.7674	7094052.0275
81	358720.406	7094062.2313
82	358720.6451	7094063.2406
83	358721.3975	7094065.2016
84	358722.2767	7094067.2219
85	358722.4996	7094067.6046
86	358726.2732	7094073.4838
87	358729.7938	7094077.3258
88	358733.0775	7094079.7572
89	358738.7395	7094082.0613
90	358752.3523	7094093.8052
91	358758.6547	7094100.5558
92	358761.2892	7094103.5815
93	358762.2196	7094105.1612
94	358762.4894	7094105.9062
95	358762.2552	7094107.53
96	358761.5239	7094108.8288
97	358760.4304	7094110.1749
98	358747.8812	7094118.3635
99	358737.3715	7094125.8945
100	358723.5266	7094135.2701

101	358712.6002	7094140.655
102	358703.887	7094143.8865
103	358688.32	7094148.5565
104	358666.1625	7094155.0962
105	358645.6055	7094159.0104
106	358632.7721	7094159.7582
107	358617.7324	7094159.9389
108	358599.6297	7094160.7914
109	358585.3157	7094160.8773
110	358574.7447	7094159.4337
111	358566.1597	7094157.7735
112	358555.4013	7094158.7158
113	358546.6679	7094160.9539
114	358541.3085	7094162.0156
115	358532.2501	7094161.3707
116	358525.3511	7094160.9306
117	358523.4843	7094160.8933
118	358522.4069	7094161.3485
119	358517.0024	7094169.15
120	358506.5414	7094181.7604
121	358501.7484	7094186.6002
122	358493.0927	7094194.0242
123	358484.6414	7094199.6886
124	358480.5271	7094201.7535
125	358466.5678	7094206.9145
126	358453.0972	7094210.1707
127	358448.9097	7094211.3356
128	358440.5139	7094211.9249
129	358431.3348	7094210.8195
130	358419.3288	7094208.3626
131	358417.4952	7094207.6605
132	358416.7838	7094207.2664

133	358414.4609	7094204.6362
134	358411.9945	7094201.3211
135	358411.4154	7094199.7836
136	358406.9352	7094198.8648
137	358405.6706	7094199.7882
138	358404.778	7094200.5762
139	358402.8761	7094202.0052
140	358400.2546	7094202.7271
141	358388.8154	7094200.3803
142	358372.2637	7094194.5018
143	358365.9827	7094192.2164
144	358357.8636	7094188.1145
145	358341.7795	7094178.1906
146	358327.1163	7094169.4557
147	358317.7081	7094163.0213
148	358308.0566	7094156.3805
149	358301.2876	7094151.7661
150	358292.4319	7094141.6965
151	358282.2528	7094128.042
152	358272.0207	7094112.9099
153	358263.4462	7094103.0945
154	358255.3209	7094093.2416
155	358254.4286	7094091.7121
156	358253.4721	7094091.5126
157	358251.7013	7094092.1997
158	358249.8443	7094092.4756
159	358248.6716	7094092.6077
160	358246.894	7094092.5808
161	358245.1957	7094092.251
162	358243.4096	7094091.9111
163	358241.6454	7094090.9942
164	358240.5943	7094090.0705

165	358239.6327	7094088.756
166	358238.9735	7094087.5209
167	358231.1391	7094070.8808
168	358226.7553	7094058.2936
169	358226.4508	7094056.2968
170	358226.8493	7094054.3811
171	358227.7936	7094052.7514
172	358228.5371	7094052.4805
173	358229.2571	7094053.1877
174	358229.6799	7094054.9307
175	358229.6531	7094056.7109
176	358229.8697	7094058.6975
177	358230.382	7094060.0495
178	358237.2834	7094073.1948
179	358244.7421	7094086.1363
180	358246.9238	7094087.6809
181	358248.3196	7094087.9312
182	358250.2054	7094087.7923
183	358251.907	7094087.32
184	358253.7556	7094086.731
185	358255.4386	7094086.0338
186	358256.711	7094085.4228
187	358258.2487	7094084.4413
188	358259.5616	7094083.4784
189	358260.9236	7094082.4765
190	358262.2957	7094081.3867
191	358263.0442	7094079.9128
192	358263.0391	7094078.7977
193	358262.5861	7094077.3189
194	358262.0046	7094076.1818
195	358261.2187	7094074.8875
196	358260.4818	7094073.5541

197	358260.0373	7094072.3883
198	358255.7678	7094063.0683
199	358252.1321	7094056.3623
200	358244.1272	7094045.4514
201	358239.4696	7094044.9141
202	358237.126	7094047.0959
203	358236.2407	7094048.5988
204	358235.21	7094049.8175
205	358233.8768	7094050.9566
206	358232.2327	7094051.7032
207	358230.2995	7094051.4801
208	358229.0672	7094049.4208
209	358229.7751	7094048.2986
210	358233.717	7094044.607
211	358234.6125	7094043.016
212	358234.8235	7094041.569
213	358234.4279	7094040.3641
214	358234.0189	7094039.9371
215	358232.7647	7094038.4548
216	358231.6948	7094037.3058
217	358231.0845	7094036.0315
218	358228.6402	7094031.7366
219	358228.7127	7094030.7194
220	358229.3716	7094029.6361
221	358229.5437	7094028.1399
222	358228.3672	7094026.7556
223	358226.6214	7094026.0637
224	358225.4551	7094024.5915
225	358221.161	7094016.248
226	358220.6705	7094014.3186
227	358219.8557	7094012.8868
228	358219.4381	7094012.2589

229	358215.3079	7094004.4245
230	358213.9657	7094002.932
231	358212.884	7094002.2721
232	358210.9421	7094001.7358
233	358207.3224	7094003.013
234	358203.862	7093998.645
235	358203.1653	7093996.9592
236	358203.2681	7093995.6777
237	358202.8926	7093994.2965
238	358198.59	7093987.9582
239	358193.5128	7093979.8355
240	358192.1402	7093978.6069
241	358191.4675	7093978.2617
242	358185.8336	7093980.0205
243	358178.4787	7093984.7472
244	358177.3806	7093985.7801
245	358173.766	7093985.8538
246	358172.664	7093985.37
247	358171.7106	7093984.3681
248	358170.7401	7093982.7399
249	358169.5635	7093981.3555
250	358168.201	7093980.0389
251	358163.8973	7093976.4209
252	358161.5495	7093974.7676
253	358160.1178	7093973.666
254	358158.823	7093972.5355
255	358157.7054	7093971.0241
256	358157.962	7093970.3401
257	358159.358	7093970.5903
258	358160.3215	7093971.5041
259	358169.3092	7093978.918
260	358170.8964	7093980.2159

261	358172.3569	7093981.4546
262	358174.0234	7093982.4496
263	358175.634	7093982.7691
264	358176.4856	7093982.3321
265	358177.5533	7093981.5633
266	358178.4352	7093980.8622
267	358182.3161	7093977.6972
268	358184.7271	7093975.7006
269	358186.1581	7093974.483
270	358187.1311	7093972.9895
271	358187.2828	7093971.669
272	358186.5371	7093970.022
273	358184.4638	7093965.5904
274	358178.4514	7093956.6903
275	358171.5023	7093947.4143
276	358167.0131	7093941.1426
277	358165.6403	7093939.9138
278	358164.3812	7093939.6349
279	358162.7588	7093939.8048
280	358155.7803	7093943.1935
281	358148.7718	7093946.8462
282	358145.5687	7093949.1532
283	358144.6651	7093950.4317
284	358142.9363	7093950.3662
285	358139.1582	7093947.21
286	358138.3142	7093945.6408
287	358138.035	7093944.5827
288	358136.7885	7093938.3728
289	358135.9446	7093936.8036
290	358135.6193	7093934.9819
291	358136.0244	7093933.7796
292	358136.5764	7093932.4604

293	358137.1082	7093931.3173
294	358136.6744	7093924.6207
295	358136.7628	7093921.9097
296	358136.7318	7093921.4186
297	358137.187	7093917.303
298	358135.768	7093910.168
299	358131.948	7093897.764
300	358131.103	7093889.343
301	358132.47	7093885.083
302	358132.735	7093874.912
303	358129.843	7093872.24
304	358127.827	7093870.152
305	358126.197	7093865.358
306	358122.403	7093858.274
307	358122.096	7093846.229
308	358122.644	7093838.771
309	358121.685	7093833.884
310	358116.751	7093821.328
311	358111.802	7093820.321
312	358113.099	7093814.747
313	358114.233	7093813.214
314	358121.943	7093803.57
315	358122.0234	7093799.7903
316	358122.8993	7093799.8192
317	358135.4903	7093801.8492
318	358192.8463	7093816.9452
319	358225.2523	7093843.0982
320	358244.3963	7093876.0302
321	358268.2433	7093910.7242
322	358280.6713	7093924.8552
323	358299.6743	7093947.7042
324	358327.1103	7093987.4622

325	358328.12	7093989.039
326	358335.0173	7093999.8102
327	358346.6693	7094019.0112
328	358359.6193	7094040.7422
329	358369.8913	7094075.5542
330	358397.4503	7094094.7312
331	358441.2573	7094103.7282
332	358457.3693	7094080.4232
333	358491.0393	7094065.9922
334	358504.6183	7094060.6132
335	358542.0703	7094059.9932
336	358572.1123	7094057.3902
337	358592.6683	7094061.2322
338	358613.6973	7094047.4462
339	358617.8873	7094035.0882
340	358615.2073	7093992.4172
341	358618.2353	7093955.7962
342	358635.1343	7093927.4792
343	358653.4693	7093903.7592
344	358653.5342	7093903.678
345	358656.3433	7093900.1662
346	358689.5403	7093885.3512
347	358723.9613	7093882.8542
348	358754.5493	7093893.2122
349	358797.5423	7093928.6972
350	358843.4353	7093943.4142
351	358854.5703	7093932.0592
352	358865.9663	7093918.6722
353	358884.2193	7093900.1562
354	358900.7143	7093883.7362
355	358911.4823	7093864.8902

356	358927.8963	7093842.5242
357	358960.6493	7093810.0292
358	358986.0633	7093786.4772
359	358998.3503	7093775.7492
360	358992.9133	7093766.6902
361	358982.3213	7093744.8952
362	358975.6873	7093725.4052
363	358969.9973	7093673.8982
364	358969.9073	7093643.7722
365	358967.2283	7093627.9522
366	358956.2281	7093574.4907
367	359071.7654	7093699.7336

Polígono 20

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Área de Preservação Permanente	Uso	5.6628	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	359074.625		7093462.78	
1	359070.217		7093477.449	
2	359067.91		7093490.935	
3	359067.089		7093504.685	
4	359064.679		7093519.049	
5	359060.892		7093534.5	
6	359057.648		7093542.333	
7	359056.477		7093544.696	
8	359056.213		7093546.182	
9	359056.124		7093547.69	
10	359055.817		7093549.529	

11	359054.558	7093561.704
12	359053.91	7093572.476
13	359054.394	7093577.444
14	359056.213	7093580.158
15	359058.223	7093580.887
16	359059.41	7093581.786
17	359059.908	7093583.229
18	359060.129	7093585.13
19	359060.11	7093586.422
20	359060.4272	7093588.776
21	359060.856	7093590.304
22	359063.187	7093598.124
23	359063.906	7093601.467
24	359067.443	7093613.043
25	359070.204	7093626.267
26	359069.559	7093640.025
27	359070.244	7093645.549
28	359070.74	7093654.175
29	359070.135	7093669.095
30	359069.527	7093675.001
31	359071.315	7093697.204
32	359071.7648	7093699.733
33	358956.2277	7093574.4903
34	358956.055	7093573.651
35	358957.547	7093534.774
36	358969.328	7093479.762
37	358973.601	7093455.016
38	358980.431	7093427.951
39	358989.798	7093401.468
40	359011.102	7093380.981
41	359018.0439	7093374.4821

42	359138.045	7093461.35
43	359202.4121	7093506.7853
44	359202.4111	7093506.7801
45	359275.275	7093557.8677
46	359403.2782	7093647.5849
47	359402.496	7093647.897
48	359374.146	7093651.956
49	359325.113	7093651.876
50	359287.103	7093656.221
51	359210.611	7093665.925
52	359193.875	7093665.331
53	359184.918	7093664.184
54	359180.523	7093662.148
55	359176.871	7093660.244
56	359174.726	7093658.027
57	359171.379	7093653.169
58	359157.798	7093631.974
59	359140.958	7093608.16
60	359132.886	7093598.011
61	359128.833	7093590.435
62	359124.256	7093572.974
63	359122.8681	7093568.0049
64	359121.869	7093566.397
65	359119.352	7093562.796
66	359116.362	7093560.7607
67	359113.963	7093560.105
68	359112.253	7093559.858
69	359110.444	7093559.689
70	359108.1103	7093559.3452
71	359104.633	7093557.172
72	359102.823	7093555.887
73	359101.709	7093554.371

74	359101.133	7093552.829
75	359101.08	7093552.153
76	359101.722	7093540.307
77	359102.381	7093538.509
78	359102.986	7093536.035
79	359103.2007	7093532.7483
80	359102.3	7093525.236
81	359097.822	7093507.289
82	359095.606	7093501.131
83	359095.048	7093499.814
84	359094.268	7093498.114
85	359091.195	7093482.608
86	359090.1254	7093472.2464
87	359090.043	7093471.214
88	359090.04	7093468.98
89	359090.072	7093467.196
90	359088.042	7093460.97
91	359084.972	7093455.245
92	359081.771	7093451.382
93	359080.157	7093449.94
94	359074.625	7093462.78

Polígono 21

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Área de Preservação Permanente	Uso	1.2062	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	359164.4253		7093393.7022	
1	359170.8773		7093400.1382	

2	359186.9323	7093422.2532
3	359191.9943	7093452.0652
4	359202.4114	7093506.7804
5	359201.471	7093506.121
6	359018.0466	7093374.484
7	359031.2923	7093361.8292
8	359060.3943	7093351.9282
9	359085.5563	7093349.6862
10	359132.1053	7093360.5032
11	359164.4253	7093393.7022

Polígono 22

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Área de Preservação Permanente	Uso	0.8194	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	359418.2857		7093641.845	
1	359403.2783		7093647.585	
2	359275.6663		7093557.8232	
3	359320.7313		7093552.6682	
4	359378.2983		7093551.3322	
5	359398.2903		7093540.6502	
6	359418.2622		7093527.3474	
7	359418.2857		7093641.845	

Polígono 23

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Área de Preservação Permanente	Desapropriação	11.2628	Fabiano Ziebarth Leinig	ART Nº 1720212799480

Vértice	Coordenada E (m)	Coordenada N (m)
0	359418.2857	7093641.845
1	359418.2622	7093527.3474
2	359419.2533	7093526.6872
3	359419.1453	7093459.7622
4	359434.2983	7093459.9322
5	359455.8803	7093433.0712
6	359480.5483	7093416.2022
7	359523.0333	7093400.8982
8	359539.9143	7093378.6872
9	359549.9823	7093362.4212
10	359572.7433	7093296.9192
11	359586.3173	7093243.3992
12	359595.5713	7093212.6662
13	359619.9303	7093179.1212
14	359625.5363	7093151.2472
15	359624.5283	7093140.3672
16	359617.6583	7093114.9802
17	359620.4223	7093079.5282
18	359633.6083	7093047.2392
19	359632.5033	7093035.3482
20	359655.3073	7093014.3822
21	359677.7363	7093000.4552
22	359713.7913	7092981.1792
23	359743.1253	7092959.8662
24	359772.8183	7092949.6462
25	359794.3403	7092944.5892
26	359792.5653	7092921.1452
27	359781.8223	7092901.7892

28	359781.7113	7092897.0862
29	359772.8743	7092873.6482
30	359766.9583	7092858.2992
31	359761.8983	7092849.2462
32	359759.0103	7092833.3912
33	359755.9603	7092820.9812
34	359754.4263	7092805.3432
35	359757.2713	7092777.0182
36	359762.5443	7092762.3672
37	359769.391	7092752.3273
38	359909.3104	7092706.843
39	359907.2322	7092711.2554
40	359895.2772	7092736.2753
41	359892.9049	7092741.8049
42	359884.5372	7092753.1084
43	359876.5077	7092763.147
44	359873.3049	7092768.943
45	359872.7734	7092770.0796
46	359872.1341	7092771.3811
47	359863.9322	7092789.647
48	359858.1785	7092802.9547
49	359857.7935	7092807.5585
50	359858.0912	7092810.7469
51	359860.2155	7092817.8173
52	359862.2905	7092822.67
53	359863.2002	7092824.2118
54	359863.528	7092824.828
55	359871.2237	7092836.8875
56	359874.7618	7092845.3902
57	359877.4407	7092854.4131
58	359880.0807	7092865.2967

59	359881.8191	7092869.8105
60	359886.7146	7092881.1375
61	359891.9658	7092897.0363
62	359893.3396	7092902.395
63	359894.1124	7092916.7432
64	359896.1796	7092932.9313
65	359898.6337	7092945.7892
66	359900.5975	7092953.7037
67	359901.7573	7092960.9016
68	359900.4969	7092969.4576
69	359894.5955	7092983.5958
70	359885.2843	7092998.4433
71	359884.9626	7093000.4483
72	359884.7631	7093001.4019
73	359884.6002	7093002.8038
74	359884.0292	7093006.2712
75	359885.2563	7093010.5195
76	359889.9055	7093020.1383
77	359890.6499	7093021.3678
78	359891.2279	7093022.5016
79	359891.8059	7093023.6353
80	359892.4043	7093024.5938
81	359893.426	7093026.4902
82	359894.5331	7093029.1783
83	359894.5982	7093029.3813
84	359895.2494	7093031.4118
85	359895.5709	7093033.2258
86	359895.9535	7093034.5142
87	359896.1407	7093035.9572
88	359896.0755	7093037.2817
89	359895.9044	7093040.2813
90	359895.7049	7093041.2348

91	359895.1756	7093043.2449
92	359894.6707	7093045.5539
93	359884.55	7093057.0651
94	359879.3511	7093061.3392
95	359877.8081	7093062.4014
96	359876.5786	7093063.0563
97	359875.4468	7093063.6339
98	359874.5104	7093064.0568
99	359871.0797	7093065.0749
100	359868.9735	7093065.8934
101	359867.5892	7093066.3526
102	359865.5413	7093067.1779
103	359863.5137	7093067.828
104	359861.0382	7093068.5143
105	359853.4568	7093070.3775
106	359848.1921	7093068.3382
107	359846.9502	7093067.5706
108	359845.3988	7093066.4114
109	359844.3727	7093065.3138
110	359841.7423	7093061.9849
111	359840.6225	7093060.1658
112	359839.7348	7093058.6403
113	359833.8004	7093051.1916
114	359830.5293	7093048.8844
115	359827.503	7093047.4325
116	359822.8054	7093046.6141
117	359809.6344	7093046.5326
118	359800.204	7093046.528
119	359793.4746	7093050.009
120	359779.3218	7093058.7412
121	359763.9295	7093067.8172
122	359759.9676	7093069.44

123	359757.2646	7093070.5442
124	359738.9635	7093082.4787
125	359733.4019	7093086.4019
126	359725.757	7093089.4596
127	359724.6758	7093089.892
128	359722.711	7093092.2069
129	359717.3804	7093104.6211
130	359718.6365	7093109.5483
131	359722.6733	7093120.2837
132	359725.2045	7093132.1305
133	359725.7657	7093146.4115
134	359725.7889	7093157.2976
135	359723.1026	7093172.3973
136	359716.4647	7093198.584
137	359714.3591	7093212.5077
138	359710.3118	7093225.1828
139	359708.9612	7093228.4008
140	359708.7351	7093228.8186
141	359707.8713	7093230.1391
142	359707.1848	7093231.0805
143	359699.2272	7093240.7226
144	359685.8965	7093255.3346
145	359683.8121	7093257.2234
146	359684.4887	7093258.2797
147	359684.8454	7093259.032
148	359686.6023	7093264.1678
149	359687.3607	7093268.343
150	359687.2936	7093270.0676
151	359687.2184	7093271.4802
152	359687.0289	7093272.3465
153	359683.6721	7093285.1918
154	359677.3405	7093300.7106

155	359673.49	7093309.0122
156	359671.4896	7093315.5306
157	359670.3333	7093326.6338
158	359665.8153	7093343.7415
159	359657.9267	7093360.8121
160	359656.0971	7093364.3302
161	359649.4349	7093379.634
162	359642.6117	7093395.9411
163	359638.488	7093406.2107
164	359630.0582	7093420.2883
165	359620.758	7093434.976
166	359606.7025	7093453.5094
167	359603.1808	7093458.2087
168	359598.9624	7093465.8477
169	359588.05	7093477.1964
170	359577.1496	7093489.9685
171	359567.0474	7093500.835
172	359562.4406	7093506.0756
173	359557.3911	7093510.1544
174	359554.859	7093511.6822
175	359554.0476	7093512.1656
176	359552.5226	7093513.055
177	359551.0282	7093513.6814
178	359549.495	7093514.2588
179	359537.4219	7093515.3027
180	359531.8444	7093513.59
181	359528.9198	7093511.6072
182	359527.3656	7093510.4497
183	359526.1133	7093509.3715
184	359524.8429	7093509.9795
185	359524.9819	7093511.4617
186	359525.0453	7093512.4464

187	359527.6228	7093521.6303
188	359529.097	7093531.1304
189	359530.7226	7093543.5354
190	359530.4216	7093547.2766
191	359525.5892	7093557.5186
192	359517.8889	7093571.1683
193	359513.9986	7093577.586
194	359505.6973	7093587.3225
195	359497.5858	7093593.2406
196	359487.1568	7093600.2687
197	359479.5067	7093604.9459
198	359468.1747	7093612.4469
199	359449.9051	7093625.0204
200	359442.8296	7093629.0055
201	359442.594	7093629.1116
202	359427.037	7093638.0311
203	359420.3909	7093641.0398
204	359418.2857	7093641.845

Polígono 24

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Área de Preservação Permanente	Uso	3.2763	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	359933.139		7092646.774	
1	359918.704		7092687.699	
2	359909.4143		7092706.6315	
3	359770.2709		7092750.8353	
4	359785.462		7092718.984	

5	359797.562	7092701.474
6	359806.392	7092687.574
7	359827.802	7092647.544
8	359841.332	7092609.184
9	359852.322	7092585.654
10	359854.812	7092539.024
11	359860.322	7092503.514
12	359866.582	7092447.354
13	359879.102	7092423.744
14	359879.4089	7092423.1908
15	359962.062	7092404.773
16	359968.932	7092408.453
17	359964.612	7092426.853
18	359972.512	7092437.033
19	359975.452	7092446.143
20	359968.392	7092458.073
21	359962.986	7092477.078
22	359958.599	7092516.435
23	359953.531	7092549.092
24	359950.274	7092610.087
25	359933.139	7092646.774

Polígono 25

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Área de Preservação Permanente	Uso	0.3171	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	359963.992		7092395.643	
1	359962.062		7092404.773	

2	359879.4089	7092423.1908
3	359896.902	7092391.654
4	359913.642	7092358.394
5	359950.0694	7092359.45
6	359951.712	7092375.443
7	359963.992	7092395.643

Polígono 26

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Área de Preservação Permanente	Desapropriação	0.8516	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	360086.7475		7092458.1462	
1	360086.036		7092458.246	
2	359986.526		7092470.773	
3	359986.526		7092459.717	
4	359980.402		7092405.083	
5	359960.668		7092358.767	
6	359961.392		7092358.714	
7	359979.852		7092359.604	
8	360016.622		7092367.074	
9	360050.032		7092390.344	
10	360079.472		7092430.464	
11	360086.7475		7092458.1462	

Polígono 27

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Área de Preservação Permanente	Uso	5.6071	Fabiano Ziebarth Leinig	ART Nº 1720212799480

Vértice	Coordenada E (m)		Coordenada N (m)	
0	360048.66		7092735.131	
1	360043.75		7092783.481	
2	360058.7		7092791.441	
3	360092.13		7092827.601	
4	360105.68		7092860.521	
5	360123.08		7092895.851	
6	360132.68		7092947.181	
7	360131.0339		7092965.7558	
8	360130.12		7092965.96	
9	360119.56		7092966.75	
10	360103.83		7092968.03	
11	360087		7092968.68	
12	360073.08		7092971.4	
13	360055.33		7092975.49	
14	360037.87		7092980.71	
15	360029.893		7092983.1207	
16	360030.987		7092951.758	
17	360026.437		7092927.432	
18	360013.616		7092901.399	
19	360005.629		7092881.995	
20	359995.892		7092871.463	
21	359936.607		7092839.897	
22	359950.061		7092707.409	
23	359981.592		7092641.477	
24	359987.762		7092623.311	
25	359991.878		7092578.46	
26	359996.832		7092555.655	
27	359982.911		7092514.763	

28	359985.099	7092473.403
29	359986.526	7092470.773
30	360086.7501	7092458.1561
31	360086.902	7092458.734
31	360084.66	7092501.081
31	360101.32	7092550.021
31	360091.77	7092593.991
31	360087.13	7092644.541
31	360075.24	7092679.551
31	360048.66	7092735.131

Polígono 28

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Área de Preservação Permanente	Desapropriação	22.0274	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	360741.365		7093135.509	
1	360747.536		7093146.782	
2	360757.791		7093168.651	
3	360828.626		7093241.025	
4	360820.301		7093249.117	
5	360827.955		7093270.662	
6	360818.02		7093326.396	
7	360807.779		7093355.362	
8	360797.908		7093373.524	
9	360805.978		7093389.249	
10	360817.659		7093394.165	
11	360835.152		7093406.192	
12	360858.815		7093422.356	

13	360889.609	7093476.813
14	360903.224	7093495.635
15	360940.404	7093519.369
16	360979.36	7093564.17
17	361011.475	7093597.2
18	361014.492	7093599.246
19	361031.73	7093621.586
20	361049.678	7093639.576
21	361088.262	7093652.742
22	361122.949	7093663.818
23	361163.733	7093688.251
24	361199.38	7093715.422
25	361214.168	7093725.463
26	361228.789	7093718.267
27	361267.272	7093704.492
28	361281.546	7093707.197
29	361299.596	7093708.711
30	361322.784	7093713.302
31	361336.301	7093717.703
32	361361.633	7093730.964
33	361385.79	7093757.324
34	361399.91	7093786.581
35	361404.704	7093820.783
36	361405.882	7093842.281
37	361446.763	7093901.39
38	361433.921	7093904.17
39	361404.305	7093922.898
40	361390.619	7093922.179
41	361388.692	7093904.139
42	361378.365	7093895.361
43	361373.107	7093887.27

44	361363.063	7093887.503
45	361342.604	7093891.57
46	361330.144	7093900.288
47	361317.99	7093908.619
48	361310.269	7093907.279
49	361308.401	7093905.413
50	361308.401	7093902.735
51	361308.473	7093895.834
52	361309.566	7093886.991
53	361310.005	7093881.801
54	361310.258	7093878.469
55	361309.7805	7093876.0469
56	361308.4699	7093872.3187
57	361308.814	7093871.015
58	361308.195	7093869.162
59	361307.371	7093866.278
60	361306.958	7093862.777
61	361306.34	7093860.305
62	361306.752	7093857.833
63	361306.34	7093854.332
64	361305.928	7093849.594
65	361304.691	7093828.379
66	361300.699	7093819.315
67	361300.448	7093817.685
68	361300.17	7093815.833
69	361299.348	7093814.157
70	361299.3262	7093811.5273
71	361295.827	7093807.782
72	361289.024	7093807.164
73	361284.901	7093806.752
74	361281.416	7093807.803
75	361280.636	7093807.893

76	361268.947	7093811.704
77	361265.29	7093813.589
78	361259.958	7093814.167
79	361252.95	7093820.14
80	361246.684	7093832.388
81	361237.695	7093840.12
82	361232.335	7093843.209
83	361231.099	7093845.063
84	361225.945	7093850.624
85	361221.616	7093853.508
86	361216.662	7093858.041
87	361215.279	7093858.48
88	361213.815	7093858.825
89	361212.582	7093858.941
90	361210.278	7093857.215
91	361207.805	7093855.361
92	361202.033	7093850.83
93	361198.322	7093848.77
94	361195.23	7093840.12
95	361182.862	7093832.087
96	361175.235	7093823.848
97	361163.537	7093816.938
98	361157.845	7093812.06
99	361152.048	7093807.681
100	361148.776	7093805.295
101	361145.715	7093803.92
102	361141.536	7093801.351
103	361139.517	7093799.839
104	361137.444	7093798.566
105	361129.663	7093793.737
106	361124.354	7093788.456
107	361119.459	7093781.469

108	361112.038	7093775.702
109	361102.555	7093767.463
110	361091.012	7093759.636
111	361087.919	7093755.722
112	361071.84	7093751.603
113	361060.202	7093752.686
114	361051.431	7093750.775
115	361048.904	7093750.458
116	361041.413	7093749.469
117	361033.823	7093747.743
118	361025.604	7093744.662
119	361020.711	7093742.493
120	361015.636	7093740.928
121	361013.434	7093740.129
122	361011.808	7093739.333
123	361010.528	7093738.653
124	360999.733	7093731.802
125	360992.753	7093726.146
126	360986.16	7093719.505
127	360983.152	7093716.761
128	360974.268	7093709.842
129	360961.359	7093698.658
130	360953.4599	7093691.0963
131	360951.043	7093690.116
132	360948.799	7093689.599
133	360946.283	7093686.718
134	360930.812	7093668.376
135	360926.253	7093662.385
136	360918.791	7093654.539
137	360909.755	7093645.48
138	360907.07	7093642.825
139	360899.013	7093636.3

140	360892.517	7093630.013
141	360889.4	7093626.615
142	360883.9868	7093619.886
143	360876.218	7093613.294
144	360871.07	7093607.958
145	360868.323	7093604.657
146	360867.168	7093602.637
147	360859.57	7093591.326
148	360845.61	7093581.053
149	360841.0903	7093578.8769
150	360838.858	7093577.969
151	360837.306	7093577.309
152	360835.9373	7093576.6294
153	360819.765	7093571.997
154	360813.995	7093569.243
155	360810.078	7093566.771
156	360808.223	7093565.741
157	360807.078	7093565.0547
158	360804.512	7093564.093
159	360803.894	7093562.652
160	360803.069	7093561.622
161	360802.657	7093558.944
162	360802.034	7093554.283
163	360802.3537	7093550.2068
164	360802.129	7093547.39
165	360802.001	7093545.61
166	360801.962	7093543.838
167	360802.012	7093542.073
168	360802.2039	7093539.6307
169	360802.3161	7093535.9861
170	360801.707	7093534.042
171	360801.402	7093532.248

172	360799.512	7093527.932
173	360789.183	7093513.001
174	360779.234	7093498.321
175	360773.974	7093490.36
176	360770.6356	7093486.0758
177	360768.1311	7093483.5431
178	360765.414	7093482.386
179	360763.744	7093482.068
180	360762.135	7093481.534
181	360755.612	7093479.392
182	360751.071	7093479.274
183	360745.389	7093480.033
184	360740.865	7093481.377
185	360739.227	7093481.77
186	360736.822	7093482.04
187	360730.973	7093481.738
188	360726.219	7093480.894
189	360723.557	7093481.245
190	360721.482	7093481.513
191	360719.865	7093481.642
192	360718.064	7093481.269
193	360716.623	7093480.47
194	360702.707	7093471.035
195	360697.995	7093467.363
196	360695.95	7093464.977
197	360689.129	7093455.772
198	360681.788	7093446.92
199	360674.452	7093434.04
200	360673.072	7093430.029
201	360666.175	7093420.062
202	360659.456	7093414.049
203	360654.96	7093410.436

204	360647.588	7093401.932
205	360641.465	7093390.082
206	360637.44	7093377.702
207	360635.402	7093370.138
208	360635.2756	7093363.1905
209	360632.766	7093361.107
210	360632.214	7093359.6
211	360628.727	7093352.842
212	360621.413	7093345.269
213	360612.323	7093336.968
214	360609.512	7093334.072
215	360598.578	7093323.621
216	360586.555	7093313.34
217	360579.532	7093305.435
218	360578.087	7093302.788
219	360578.285	7093299.176
220	360581.01	7093298.378
221	360585.323	7093298.518
222	360586.93	7093299.145
223	360588.45	7093299.762
224	360599.197	7093305.818
225	360609.938	7093310.767
226	360611.846	7093311.074
227	360613.619	7093311.41
228	360615.8965	7093312.3657
229	360625.729	7093317.888
230	360637.226	7093325.091
231	360646.195	7093331.607
232	360648.412	7093332.841
233	360650.603	7093334.369
234	360649.5543	7093337.0846
235	360650.8917	7093338.9768

236	360653.5078	7093340.8007
237	360657.0126	7093341.3649
238	360667.4851	7093339.7333
239	360669.938	7093338.663
240	360672.3711	7093336.9847
241	360682.959	7093327.894
242	360690.125	7093320.838
243	360693.425	7093319.003
244	360694.802	7093318.541
245	360696.141	7093318.031
246	360697.469	7093317.608
247	360702.155	7093318.321
248	360705.031	7093318.651
249	360708.4153	7093317.5734
250	360711.533	7093315.5414
251	360712.809	7093313.17
252	360716.058	7093303.675
253	360717.2184	7093300.4705
254	360716.581	7093298.337
255	360715.775	7093296.12
256	360714.31	7093291.572
257	360714.277	7093287.232
258	360715.798	7093281.655
259	360716.024	7093280.84
260	360717.465	7093278.66
261	360720.4429	7093275.0837
262	360719.5982	7093272.7556
263	360715.156	7093268.75
264	360711.129	7093268.465
265	360709.162	7093268.682
266	360707.466	7093268.841
267	360705.693	7093268.903

268	360703.777	7093268.683
269	360702.288	7093267.805
270	360700.985	7093266.461
271	360699.875	7093265.36
272	360693.2937	7093258.1413
273	360691.324	7093256.768
274	360690.35	7093255.118
275	360691.513	7093252.808
276	360690.977	7093250.932
277	360689.1925	7093250.2738
278	360686.926	7093251.618
279	360682.263	7093252.631
280	360670.168	7093254.163
281	360666.02	7093254.433
282	360662.359	7093254.108
283	360660.413	7093253.752
284	360658.701	7093252.891
285	360657.118	7093251.294
286	360657.005	7093249.924
287	360657.964	7093247.762
288	360661.957	7093242.203
289	360666.3766	7093239.4212
290	360669.6559	7093229.1535
291	360669.4262	7093225.5243
292	360668.286	7093220.098
293	360664.8738	7093215.9089
294	360661.66	7093214.735
295	360659.658	7093213.709
296	360655.929	7093213.501
297	360652.666	7093213.082
298	360648.954	7093213.496
299	360647.014	7093213.217

300	360640.5731	7093208.1569
301	360636.0902	7093207.8231
302	360631.692	7093209.61
303	360629.384	7093210.097
304	360625.597	7093209.283
305	360623.386	7093207.328
306	360621.94	7093205.303
307	360621.286	7093204.078
308	360620.909	7093201.202
309	360624.412	7093186.826
310	360625.733	7093183.393
311	360627.332	7093180.613
312	360633.463	7093173.353
313	360639.498	7093165.774
314	360629.375	7093170.494
315	360624.207	7093173.97
316	360612.632	7093183.258
317	360599.536	7093194.232
318	360592.153	7093198.915
319	360583.298	7093202.943
320	360580.61	7093203.652
321	360579	7093203.821
322	360574.807	7093205.331
323	360573.057	7093206.723
324	360571.159	7093208.63
325	360569.416	7093210.731
326	360568.248	7093212.057
327	360566.028	7093214.458
328	360561.955	7093219.921
329	360553.866	7093228.421
330	360550.168	7093232.157
331	360546.342	7093236.233

332	360533.715	7093251.917
333	360531.434	7093254.843
334	360529.858	7093256.256
335	360529.031	7093256.913
336	360522.891	7093257.272
337	360516.582	7093256.017
338	360512.013	7093253.854
339	360498.112	7093246.725
340	360486.248	7093241.866
341	360475.742	7093239.421
342	360473.941	7093238.55
343	360470.589	7093235.021
344	360469.499	7093233.347
345	360464.784	7093223.595
346	360455.81	7093213.576
347	360448.255	7093207.749
348	360441.085	7093202.807
349	360427.916	7093195.804
350	360421.402	7093193.993
351	360416.226	7093194.771
352	360411.613	7093195.658
353	360406.168	7093195.697
354	360397.128	7093194.304
355	360376.618	7093194.163
356	360369.83	7093192.409
357	360359.37	7093191.03
358	360357.685	7093189.907
359	360355.994	7093188.073
360	360355.176	7093186.341
361	360354.367	7093184.52
362	360354.014	7093182.974
363	360353.823	7093182.332

364	360351.027	7093170.494
365	360347.674	7093156.954
366	360344.392	7093145.106
367	360340.241	7093136.966
368	360331.297	7093125.484
369	360323.339	7093115.046
370	360322.558	7093113.761
371	360322.061	7093111.932
372	360322.233	7093110.047
373	360323.301	7093107.69
374	360324.182	7093106.197
375	360323.342	7093105.037
376	360321.9862	7093106.4198
377	360319.0126	7093109.7566
378	360317.1911	7093112.4091
379	360316.5329	7093113.8858
380	360314.425	7093118.003
381	360312.681	7093118.824
382	360308.966	7093117.644
383	360305.472	7093117.242
384	360301.477	7093118.111
385	360298.689	7093119.2007
386	360296.729	7093120.133
387	360295.036	7093121.002
388	360293.401	7093121.744
389	360291.941	7093122.506
390	360290.452	7093123.132
391	360288.75	7093123.689
392	360286.81	7093124.133
393	360279.744	7093121.944
394	360274.783	7093118.892
395	360268.754	7093115.895

396	360265.2888	7093114.1114
397	360263.43	7093113.688
398	360254.041	7093112.563
399	360243.036	7093114.309
400	360239.1219	7093115.9858
401	360235.7212	7093118.6843
402	360233.72	7093120.591
403	360231.924	7093122.733
404	360230.801	7093124.021
405	360229.171	7093125.409
406	360226.067	7093126.667
407	360209.755	7093125.632
408	360198.363	7093123.79
409	360193.259	7093121.962
410	360191.865	7093120.606
411	360190.744	7093119.192
412	360189.962	7093117.905
413	360188.9815	7093116.2592
414	360178.39	7093103.413
415	360175.25	7093099.152
416	360173.23	7093096.3513
417	360171.9647	7093094.4487
418	360169.4442	7093093.0064
419	360168.001	7093094.019
420	360158.588	7093099.184
421	360155.968	7093100.389
422	360152.8977	7093101.625
423	360152.257	7093101.823
424	360140.989	7093101.944
425	360123.326	7093100.644
426	360106.844	7093099.153
427	360097.561	7093095.933

428	360079.347	7093088.735
429	360067.69	7093085.723
430	360058.065	7093084.282
431	360048.458	7093081.157
432	360036.805	7093075.039
433	360026.9078	7093069.8303
434	360022.353	7093068.592
435	360020.463	7093067.304
436	360019.646	7093065.566
437	360019.4	7093062.341
438	360019.321	7093060.734
439	360019.317	7093059.624
440	360019.423	7093057.949
441	360019.442	7093056.265
442	360021.231	7093030.196
443	360021.859	7093019.838
444	360022.922	7093013.749
445	360026.328	7093000.077
446	360027.258	7092996.454
447	360029.8931	7092983.1207
448	360037.87	7092980.71
449	360055.33	7092975.49
450	360073.08	7092971.4
451	360087	7092968.68
452	360103.83	7092968.03
453	360119.56	7092966.75
454	360130.9698	7092965.8964
455	360131.612	7092977.142
456	360140.757	7092993.411
457	360192.719	7092989.427
458	360252.46	7093009.679
459	360356.689	7092999.128

460	360365.583	7093006.657
461	360397.596	7093033.755
462	360445.129	7093089.021
463	360510.242	7093123.666
464	360579.458	7093081.891
465	360598.801	7093072.323
466	360639.736	7093049.036
467	360646.981	7093044.675
468	360681.336	7093022.156
469	360715.46	7093088.194
470	360741.365	7093135.509

Polígono 29

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Área de Preservação Permanente	Desapropriação	13.5896	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	361336.082		7094199.059	
1	361332.384		7094238.623	
2	361322.588		7094270.804	
3	361308.013		7094301.935	
4	361298.343		7094326.237	
5	361289.637		7094341.342	
6	361279.775		7094360.174	
7	361267.367		7094382.978	
8	361250.812		7094404.146	
9	361231.016		7094421.815	
10	361222.292		7094428.202	
11	361212.957		7094453.714	
12	361199.196		7094483.785	

13	361174.054	7094504.843
14	361146.687	7094515.509
15	361117.191	7094527.604
16	361097.516	7094541.545
17	361065.272	7094557.635
18	361030.174	7094564.18
19	361002.818	7094567.023
20	360975.886	7094567.684
21	360957.487	7094563.007
22	360936.424	7094563.204
23	360915.17	7094558.34
24	360896.458	7094556.183
25	360877.158	7094566.825
26	360849.406	7094589.292
27	360829.883	7094602.066
28	360793.592	7094621.643
29	360758.097	7094617.403
30	360729.473	7094616.747
31	360717.597	7094614.321
32	360707.088	7094612.092
33	360686.469	7094611.065
34	360662.838	7094604.914
35	360638.992	7094602.44
36	360607.834	7094593.585
37	360575.193	7094593.366
38	360571.273	7094571.969
39	360566.731	7094518.68
40	360569.67	7094489.531
41	360578.599	7094491.195

42	360621.655	7094490.39
43	360657.662	7094500.623
44	360680.853	7094504.197
45	360701.298	7094508.428
46	360719.55	7094509.337
47	360740.081	7094513.692
48	360764.532	7094514.252
49	360772.539	7094515.209
50	360776.271	7094513.196
51	360800.256	7094497.07
52	360818.656	7094482.013
53	360834.806	7094472.727
54	360871.069	7094456.666
55	360883.935	7094452.648
56	360894.312	7094452.684
57	360975.072	7094468.183
58	360998.929	7094472.736
59	361012.867	7094471.665
60	361038.868	7094466.576
61	361045.569	7094461.755
62	361063.261	7094442.471
63	361083.9	7094417.83
64	361093.122	7094409.578
65	361094.934	7094410.154
66	361096.592	7094411.028
67	361098.163	7094411.895
68	361100.391	7094412.826
69	361104.634	7094415.201
70	361107.481	7094416.119
71	361108.982	7094416.716
72	361110.499	7094417.712
73	361111.781	7094418.911

74	361114.179	7094421.687
75	361115.238	7094418.726
76	361115.838	7094417.138
77	361116.794	7094414.627
78	361114.953	7094414.115
79	361110.124	7094413.756
80	361108.772	7094413.523
81	361107.076	7094413.176
82	361105.216	7094412.64
83	361103.721	7094411.955
84	361102.326	7094411.101
85	361100.931	7094410.247
86	361097.856	7094408.317
87	361096.819	7094407.293
88	361096.415	7094406.16
89	361096.511	7094404.843
90	361097.242	7094403.882
91	361099.973	7094401.526
92	361107.426	7094393.695
93	361112.719	7094387.646
94	361114.092	7094385.144
95	361131.993	7094367.287
96	361163.623	7094345.057
97	361178.366	7094332.737
98	361182.387	7094328.184
99	361192.573	7094307.829
100	361204.757	7094281.219
101	361214.567	7094264.016
102	361220.732	7094250.624
103	361228.506	7094236.161
104	361228.304	7094224.991
105	361228.31	7094224.903

106	361229.223	7094222.23
107	361230.429	7094217.167
108	361231.21	7094211.735
109	361231.128	7094208.881
110	361229.732	7094201.649
111	361228.238	7094190.898
112	361226.629	7094173.221
113	361229.107	7094152.452
114	361231.85	7094143.776
115	361236.032	7094131.323
116	361240.139	7094119.263
117	361242.298	7094114.034
118	361242.931	7094110.636
119	361243.007	7094101.406
120	361242.784	7094091.001
121	361242.765	7094086.91
122	361243.316	7094083.05
123	361242.06	7094080.49
124	361240.353	7094077.35
125	361238.341	7094068.352
126	361236.65	7094063.268
127	361237.111	7094058.974
128	361241.531	7094046.286
129	361244.314	7094035.614
130	361245.988	7094029.627
131	361247.634	7094027.77
132	361248.861	7094027.05
133	361254.91	7094026.601
134	361259.454	7094026.166
135	361257.841	7094025.575
136	361256.17	7094025.155
137	361254.398	7094024.33

138	361253.004	7094023.468
139	361252.036	7094022.243
140	361251.318	7094020.64
141	361251.037	7094019.403
142	361250.955	7094018.159
143	361250.406	7093996.958
144	361250.724	7093991.065
145	361250.418	7093984.349
146	361250.004	7093979.061
147	361250.095	7093972.766
148	361249.289	7093968.681
149	361248.313	7093966.817
150	361246.593	7093964.083
151	361245.57	7093962.412
152	361245.11	7093960.917
153	361244.906	7093959.532
154	361244.709	7093958.633
155	361242.273	7093945.368
156	361241.425	7093940.841
157	361240.868	7093937.131
158	361239.621	7093932.456
159	361217.264	7093883.494
160	361211.55	7093873.957
161	361211.782	7093872.077
162	361213.04	7093870.965
163	361219.879	7093869.391
164	361224.324	7093867.6
165	361227.416	7093865.197
166	361231.194	7093862.06
167	361241.509	7093852.657
168	361245.105	7093850.433
169	361249.649	7093846.563

170	361259.623	7093839.812
171	361271.417	7093836.33
172	361279.459	7093835.794
173	361285.088	7093838.205
174	361287.768	7093845.436
175	361289.645	7093858.828
176	361290.985	7093870.344
177	361292.593	7093888.557
178	361293.129	7093903.02
179	361296.078	7093911.858
180	361300.635	7093919.625
181	361307.068	7093923.911
182	361314.037	7093925.25
183	361321.811	7093922.304
184	361325.563	7093919.358
185	361329.002	7093915.234
186	361351.62	7093905.239
187	361396.964	7093934.724
188	361448.73	7093912.9
189	361448.835	7093913.513
190	361424.029	7093960.312
191	361407.239	7093983.432
192	361386.298	7094000.806
193	361371.036	7094012.012
194	361367.718	7094048.974
195	361356.882	7094070.119
196	361349.61	7094099.1
197	361345.723	7094131.742
198	361333.824	7094164.615
199	361329.421	7094176.516
200	361336.082	7094199.059

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Barramento	Desapropriação	4.45306599	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	357556.391		7096637.414	
1	357552.131		7096657.844	
2	357551.031		7096690.044	
3	357560.371		7096717.244	
4	357559.851		7096739.944	
5	357572.221		7096760.674	
6	357577.801		7096774.504	
7	357583.091		7096794.364	
8	357587.551		7096817.674	
9	357588.611		7096828.624	
10	357593.851		7096836.254	
11	357594.046		7096836.868	
12	357522.466		7096804.222	
13	357492.944		7096775.683	
14	357468.841		7096746.674	
15	357449.617		7096708.244	
16	357437.663		7096677.68	
17	357421.944		7096670.978	
18	357402.053		7096658.363	
19	357384.663		7096647.334	
20	357377.593		7096642.401	
21	357370.632		7096637.543	
22	357351.899		7096623.359	
23	357300.484		7096585.584	
24	357328.903		7096546.904	
25	357348.504		7096502.716	
26	357424.212		7096536.603	

27	357437.867	7096543.016
28	357442.055	7096531.115
29	357451.712	7096519.577
30	357453.402	7096517.399
31	357459.484	7096509.862
32	357464.893	7096503.492
33	357466.181	7096501.999
34	357467.287	7096500.626
35	357475.977	7096489.832
36	357476.085	7096489.779
37	357479.676	7096484.707
38	357493.571	7096492.654
39	357505.661	7096510.074
40	357523.381	7096534.744
41	357530.281	7096547.394
42	357532.951	7096559.264
43	357536.761	7096573.474
44	357540.131	7096587.124
45	357537.661	7096593.104
46	357543.451	7096596.944
47	357549.181	7096606.644
48	357556.391	7096637.414

Polígono 31

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Reservatório	Desapropriação	1.70928537	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	357440.231		7096364.924	
1	357438.251		7096391.564	
2	357442.511		7096449.234	
3	357450.921		7096457.734	

4	357460.911	7096473.974
5	357479.676	7096484.707
6	357476.085	7096489.779
7	357475.977	7096489.832
8	357467.287	7096500.626
9	357466.181	7096501.999
10	357464.893	7096503.492
11	357459.484	7096509.862
12	357453.402	7096517.399
13	357451.712	7096519.577
14	357442.055	7096531.115
15	357438.897	7096540.09
16	357438.34	7096539.743
17	357438.32	7096539.722
18	357435.468	7096538.118
19	357432.672	7096534.386
20	357409.571	7096505.802
21	357404.468	7096480.814
22	357399.127	7096463.067
23	357399.007	7096462.651
24	357398.612	7096440.218
25	357398.156	7096419.671
26	357397.855	7096419.428
27	357397.844	7096419.262
28	357398.246	7096372.178
29	357398.25	7096371.626
30	357398.12	7096371.176
31	357394.762	7096344.275
32	357393.572	7096332.665
33	357393.498	7096331.948
34	357393.471	7096331.98
35	357392.178	7096323.195

36	357391.817	7096322.581
37	357391.818	7096322.567
38	357395.109	7096281.326
39	357395.674	7096267.963
40	357395.697	7096267.824
41	357396.015	7096256.949
42	357397.021	7096223.962
43	357415.528	7096184.018
44	357424.341	7096158.25
45	357424.705	7096157.185
46	357424.627	7096157.311
47	357426.485	7096151.227
48	357426.515	7096151.146
49	357431.302	7096103.143
50	357431.338	7096100.165
51	357431.341	7096100.148
52	357421.39	7096073.277
53	357416.313	7096061.78
54	357430.653	7096056.022
55	357435.421	7096066.364
56	357437.151	7096075.234
57	357444.711	7096092.034
58	357443.891	7096109.814
59	357444.711	7096133.734
60	357443.401	7096147.464
61	357439.351	7096167.624
62	357439.251	7096185.904
63	357435.521	7096221.784
64	357435.221	7096236.124
65	357438.711	7096262.954
66	357436.941	7096294.444
67	357437.571	7096328.764

68	357440.231		7096364.924	
Polígono 32				
UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Reservatório	Desapropriação	15.49147555	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	357907.551		7095284.524	
1	357890.381		7095294.234	
2	357862.001		7095305.614	
3	357836.611		7095318.884	
4	357830.961		7095322.424	
5	357817.211		7095325.884	
6	357812.101		7095330.434	
7	357795.061		7095337.914	
8	357776.741		7095349.834	
9	357765.601		7095351.724	
10	357750.311		7095361.984	
11	357745.871		7095369.354	
12	357738.951		7095376.504	
13	357726.841		7095382.994	
14	357719.341		7095386.374	
15	357701.181		7095405.464	
16	357694.081		7095420.824	
17	357672.261		7095437.084	
18	357654.091		7095448.294	
19	357639.821		7095451.954	
20	357632.691		7095464.294	
21	357617.991		7095476.414	
22	357602.671		7095509.384	
23	357585.461		7095514.384	
24	357588.391		7095525.264	

25	357578.811	7095534.774
26	357573.061	7095569.314
27	357564.231	7095576.924
28	357564.411	7095586.224
29	357561.681	7095599.954
30	357551.841	7095616.984
31	357546.521	7095628.034
32	357536.021	7095644.734
33	357516.711	7095675.664
34	357509.861	7095685.094
35	357496.521	7095709.654
36	357477.291	7095742.744
37	357473.171	7095748.394
38	357458.911	7095777.524
39	357453.701	7095791.664
40	357452.821	7095804.524
41	357447.431	7095813.684
42	357445.101	7095830.364
43	357439.091	7095839.884
44	357440.631	7095850.774
45	357438.631	7095862.484
46	357435.301	7095872.494
47	357428.171	7095891.684
48	357421.471	7095912.214
49	357420.812	7095913.571
50	357408.994	7095913.899
51	357399.938	7095915.048
52	357390.005	7095915.751
53	357392.282	7095910.684
54	357393.291	7095906.824
55	357394.317	7095897.079
56	357393.729	7095879.134

57	357393.876	7095868.402
58	357394.4	7095864.043
59	357395.557	7095860.51
60	357397.539	7095854.211
61	357399.04	7095849.956
62	357399.757	7095848.337
63	357401.006	7095845.972
64	357403.216	7095842.762
65	357404.027	7095841.388
66	357408.209	7095834.829
67	357413.217	7095826.082
68	357415.065	7095821.951
69	357420.31	7095807.381
70	357423.348	7095800.206
71	357424.305	7095796.922
72	357425.566	7095788.213
73	357424.73	7095774.557
74	357420.109	7095764.651
75	357417.9	7095761.026
76	357406.772	7095750.615
77	357396.991	7095741.463
78	357383.726	7095730.92
79	357367.346	7095719.74
80	357360.458	7095713.352
81	357358.028	7095711.357
82	357356.596	7095710.091
83	357356.238	7095708.448
84	357365.558	7095703.716
85	357371.597	7095699.843
86	357375.389	7095696.805
87	357377.87	7095694.254
88	357380.762	7095690.005

89	357388.677	7095675.213
90	357391.415	7095667.064
91	357392.055	7095666.551
92	357393.752	7095666.237
93	357395.658	7095666.48
94	357398.483	7095667.355
95	357409.619	7095671.553
96	357419.422	7095674.408
97	357428.616	7095677.913
98	357438.982	7095683.863
99	357443.324	7095685.702
100	357449.594	7095687.608
101	357457.85	7095688.65
102	357465.364	7095688.274
103	357469.83	7095686.948
104	357472.034	7095685.755
105	357475.121	7095684.116
106	357477.672	7095681.7
107	357479.044	7095679.731
108	357481.613	7095674.579
109	357483.094	7095663.686
110	357483.211	7095663.035
111	357483.668	7095661.715
112	357485.284	7095659.552
113	357494.181	7095653.34
114	357508.764	7095646.659
115	357516.126	7095641.511
116	357520.869	7095637.175
117	357530.591	7095626.005
118	357537.889	7095614.693
119	357541.769	7095605.785
120	357546.314	7095590.131

121	357549.701	7095574.522
122	357550.688	7095565.287
123	357552.718	7095556.256
124	357552.618	7095539.278
125	357550.43	7095526.275
126	357550.09	7095523.755
127	357550.288	7095514.429
128	357549.424	7095503.477
129	357545.813	7095491.686
130	357544.723	7095486.336
131	357542.437	7095474.604
132	357540.812	7095467.687
133	357536.984	7095460.215
134	357533.682	7095454.795
135	357530.74	7095451.721
136	357517.258	7095436.884
137	357505.404	7095422.185
138	357492.324	7095404.958
139	357497.691	7095407.37
140	357509.841	7095413.191
141	357512.139	7095412.737
142	357521.69	7095407.5
143	357531.232	7095403.147
144	357538.68	7095398.473
145	357541.303	7095396.059
146	357553.476	7095380.509
147	357557.116	7095372.972
148	357558.983	7095362.621
149	357559.013	7095358.367
150	357559.532	7095355.319
151	357562.86	7095348.189
152	357574.463	7095334.205

153	357581.969	7095326.69
154	357582.779	7095326.202
155	357583.843	7095325.432
156	357584.467	7095325.012
157	357585.56	7095324.378
158	357587.844	7095323.032
159	357591.397	7095321.47
160	357607.998	7095318.504
161	357613.874	7095318.04
162	357625.374	7095318.196
163	357636.163	7095317.163
164	357642.003	7095315.452
165	357653.435	7095307.518
166	357663.697	7095299.32
167	357672.623	7095290.751
168	357676.818	7095286.681
169	357682.471	7095279.527
170	357686.981	7095273.847
171	357694.984	7095263.617
172	357695.464	7095262.914
173	357696.57	7095261.391
174	357697.284	7095260.581
175	357699.553	7095258.608
176	357705.94	7095254.864
177	357717.778	7095245.805
178	357725.519	7095239.94
179	357737.42	7095231.151
180	357747.788	7095222.548
181	357761.311	7095212.063
182	357773.475	7095202.984
183	357781.341	7095197.26
184	357793.381	7095189.72

185	357807.736	7095181.452
186	357819.615	7095173.802
187	357829.428	7095166.669
188	357834.211	7095159.101
189	357837.125	7095152.669
190	357837.895	7095151.356
191	357839.063	7095150.103
192	357840.72	7095148.858
193	357845.477	7095145.458
194	357850.117	7095142.312
195	357858.805	7095131.768
196	357862.059	7095125.086
197	357864.349	7095113.889
198	357864.765	7095103.87
199	357864.776	7095102.639
200	357864.94	7095084.514
201	357863.019	7095077
202	357852.431	7095056.077
203	357843.394	7095041.202
204	357841.82	7095038.137
205	357839.092	7095033.031
206	357838.7	7095032.543
207	357837.732	7095030.835
208	357836.642	7095028.818
209	357834.346	7095026.816
210	357830.028	7095023.945
211	357825.397	7095019.882
212	357815.143	7095007.104
213	357808.665	7094999.635
214	357807.677	7094998.905
215	357805.932	7094997.522
216	357803.609	7094996.568

217	357786.778	7094991.532
218	357770.535	7094985.24
219	357755.189	7094976.15
220	357753.506	7094975.657
221	357746.878	7094974.321
222	357734.652	7094972.827
223	357729.954	7094972.188
224	357726.253	7094970.565
225	357718.606	7094965.669
226	357709.054	7094955.068
227	357699.56	7094946.344
228	357687.485	7094935.207
229	357676.918	7094924.944
230	357671.059	7094918.231
231	357668.977	7094915.944
232	357659.092	7094902.728
233	357646.029	7094884.542
234	357639.825	7094874.705
235	357633.122	7094866.551
236	357620.401	7094850.897
237	357618.301	7094847.378
238	357615.184	7094844.596
239	357611.486	7094843.348
240	357603.786	7094842.622
241	357590.107	7094842.014
242	357596.028	7094837.563
243	357606.608	7094831.701
244	357616.083	7094828.571
245	357617.714	7094828.422
246	357620.024	7094827.967
247	357622.262	7094827.802
248	357628.746	7094828.407

249	357636.734	7094831.442
250	357644.616	7094834.242
251	357647.559	7094835.002
252	357652.411	7094835.831
253	357657.585	7094836.963
254	357673.439	7094844.58
255	357680.394	7094847.026
256	357683.308	7094846.447
257	357686.357	7094845.104
258	357691.398	7094842.576
259	357699.116	7094837.339
260	357706.025	7094832.584
261	357708.752	7094829.401
262	357712.496	7094823.985
263	357724.892	7094805.787
264	357725.363	7094804.85
265	357726.279	7094801.016
266	357729.833	7094793.843
267	357731.224	7094786.946
268	357735.483	7094770.792
269	357741.574	7094751.918
270	357744.23	7094745.212
271	357758.403	7094721.067
272	357765.199	7094709.023
273	357768.122	7094703.455
274	357773.874	7094690.484
275	357780.67	7094678.835
276	357789.45	7094664.761
277	357793.679	7094657.108
278	357795.339	7094651.342
279	357795.811	7094645.479
280	357796.653	7094636.856

281	357796.891	7094636.35
282	357797.663	7094634.706
283	357798.533	7094632.984
284	357800.461	7094630.586
285	357807.463	7094622.112
286	357817.254	7094606.975
287	357823.536	7094593.336
288	357826.607	7094581.675
289	357835.486	7094556.264
290	357841.243	7094542.954
291	357843.771	7094538.885
292	357850.376	7094529.682
293	357852.76	7094527.236
294	357856.133	7094524.256
295	357862.526	7094521.355
296	357872.004	7094518.206
297	357876.287	7094516.162
298	357877.369	7094513.209
299	357877.406	7094511.029
300	357877.477	7094505.554
301	357880.533	7094515.41
302	357884.226	7094525.304
303	357903.886	7094526.276
304	357910.217	7094526.532
305	357924.846	7094526.295
306	357928.772	7094525.02
307	357938.524	7094519.07
308	357940.183	7094517.76
309	357943.277	7094515.315
310	357946.123	7094512.656
311	357947.873	7094510.729
312	357953.238	7094504.181

313	357966.852	7094487.052
314	357967.581	7094482.811
315	357967.942	7094461.483
316	357967.627	7094443.953
317	357968.611	7094418.137
318	357971.608	7094404.203
319	357974.684	7094393.714
320	357979.932	7094381.827
321	357983.727	7094375.395
322	357992.435	7094364.759
323	358005.816	7094351.944
324	358011.477	7094345.951
325	358016.512	7094341.488
326	358028.524	7094329.355
327	358044.005	7094315.436
328	358048.485	7094311.893
329	358060.433	7094304.441
330	358062.357	7094303.638
331	358070.128	7094305.398
332	358071.609	7094306.063
333	358073.174	7094307.141
334	358075.162	7094309.504
335	358077.36	7094310.538
336	358084.679	7094312.534
337	358087.816	7094312.97
338	358092.973	7094314.96
339	358099.433	7094316.88
340	358104.461	7094318.886
341	358161.801	7094351.579
342	358169.225	7094362.354
343	358188.503	7094377.414
344	358196.101	7094382.367

345	358200.601	7094384.023
346	358205.305	7094385.913
347	358207.249	7094388.134
348	358209.092	7094390.987
349	358214.713	7094399.872
350	358216.01	7094402.437
351	358216.593	7094403.891
352	358217.095	7094405.649
353	358217.675	7094407.504
354	358218.625	7094411.46
355	358221.202	7094420.432
356	358222.572	7094428.822
357	358224.004	7094431.605
358	358224.033	7094432.472
359	358222.011	7094436.327
360	358222.723	7094445.544
361	358226.23	7094456.41
362	358227.492	7094458.524
363	358229.832	7094462.745
364	358242.879	7094461.377
365	358243.366	7094456.37
366	358242.449	7094451.035
367	358240.18	7094441.742
368	358238.783	7094437.423
369	358237.396	7094430.065
370	358234.47	7094412.783
371	358234.677	7094413.119
372	358236.999	7094419.759
373	358239.48	7094426.325
374	358241.96	7094432.892
375	358244.21	7094439.888
376	358247.571	7094458.293

377	358249.165	7094461.956
378	358252.435	7094465.386
379	358251.561	7094466.663
380	358261.498	7094467.365
381	358262.183	7094470.277
382	358259.646	7094470.747
383	358252.918	7094470.131
384	358243.224	7094466
385	358238.308	7094467.827
386	358232.75	7094469.081
387	358218.213	7094473.248
388	358206.143	7094476.213
389	358188.306	7094481.81
390	358173.112	7094483.81
391	358170.227	7094484.244
392	358168.339	7094484.335
393	358166.751	7094484.909
394	358166.201	7094485.023
395	358164.593	7094485.013
396	358163.592	7094485.163
397	358162.866	7094485.256
398	358155.166	7094483.467
399	358148.933	7094483.27
400	358147.889	7094483.773
401	358146.691	7094484.079
402	358145.217	7094484.443
403	358143.172	7094485.097
404	358124.236	7094489.488
405	358115.407	7094489.88
406	358114.375	7094489.758
407	358113.747	7094489.774
408	358111.337	7094489.758

409	358107.869	7094489.618
410	358091.836	7094487.728
411	358081.145	7094484.5
412	358078.467	7094483.737
413	358076.593	7094482.98
414	358075.184	7094482.813
415	358073.299	7094482.246
416	358071.118	7094481.708
417	358070.082	7094481.407
418	358066.419	7094480.662
419	358064.607	7094480.136
420	358061.26	7094479.741
421	358059.949	7094479.497
422	358058.343	7094479.487
423	358056.384	7094479.435
424	358054.735	7094479.778
425	358053.735	7094479.928
426	358052.988	7094480.198
427	358051.79	7094480.504
428	358049.451	7094481.392
429	358043.223	7094483.431
430	358034.6	7094481.61
431	358033.761	7094481.153
432	358033.275	7094480.738
433	358032.965	7094480.344
434	358032.225	7094479.809
435	358031.584	7094479.197
436	358029.685	7094476.781
437	358026.044	7094474.681
438	358024.609	7094474.797
439	358023.034	7094474.378
440	358020.946	7094474.812

441	358019.789	7094474.961
442	358011.876	7094478.079
443	358011.018	7094478.417
444	358007.242	7094485.631
445	358001.357	7094496.029
446	358000.661	7094497.377
447	358000.224	7094498.041
448	358000.059	7094498.476
449	357995.895	7094505.996
450	357974.578	7094527.728
451	357959.164	7094573.977
452	357944.407	7094594.096
453	357927.048	7094592.836
454	357876.54	7094632.08
455	357813.939	7094683.239
456	357760.348	7094763.315
457	357752.621	7094809.794
458	357746.521	7094872.984
459	357743.731	7094882.534
460	357743.011	7094909.144
461	357760.721	7094948.494
462	357780.341	7094965.154
463	357812.561	7094979.714
464	357837.871	7094999.774
465	357861.031	7095020.814
466	357889.691	7095038.974
467	357898.671	7095057.114
468	357904.141	7095068.504
469	357911.901	7095070.304
470	357912.951	7095078.614
471	357917.321	7095083.924
472	357929.551	7095085.964

473	357933.501	7095092.384
474	357931.831	7095096.854
475	357922.131	7095103.124
476	357919.041	7095119.504
477	357921.521	7095126.344
478	357929.001	7095153.004
479	357928.081	7095161.394
480	357928.451	7095172.164
481	357925.581	7095194.534
482	357914.551	7095217.434
483	357911.181	7095253.504
484	357914.991	7095264.434
485	357912.761	7095277.084
486	357907.551	7095284.524

Polígono 33

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Reservatório	Uso	2.4243	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	358228.504		7094240.282	
1	358230.829		7094245.794	
2	358242.658		7094267.139	
3	358242.138		7094274.491	
4	358237.062		7094280.812	
5	358236.809		7094284.71	
6	358232.417		7094287.905	
7	358233.386		7094297.204	
8	358235.027		7094301.37	
9	358234.004		7094309.073	
10	358231.83		7094316.203	
11	358226.84		7094319.609	

12	358212.242	7094341.615
13	358197.423	7094345.115
14	358193.5421	7094350.0978
15	358186.9303	7094348.2632
16	358180.9135	7094347.5049
17	358175.4988	7094347.0188
18	358174.5362	7094346.6463
19	358169.467	7094343.5994
20	358161.7295	7094338.9364
21	358154.5869	7094334.5219
22	358147.4336	7094330.1957
23	358141.1638	7094326.9277
24	358139.6504	7094326.2876
25	358137.0779	7094326.165
26	358133.5556	7094325.0367
27	358120.7662	7094317.5014
28	358114.3277	7094313.1697
29	358106.3446	7094308.7017
30	358095.8812	7094302.6018
31	358090.7059	7094299.2678
32	358086.2427	7094287.3173
33	358083.3242	7094284.4696
34	358081.0315	7094283.6002
35	358079.1562	7094283.2465
36	358073.942	7094280.9813
37	358073.3122	7094280.2814
38	358080.3598	7094278.7807
39	358084.3888	7094276.7923
40	358097.3428	7094270.3016
41	358109.7677	7094263.0318
42	358114.7282	7094257.751
43	358118.4857	7094251.3445

44	358129.908	7094232.0044
45	358134.6403	7094220.8301
46	358142.3413	7094202.0312
47	358145.0644	7094191.2444
48	358151.0905	7094158.0952
49	358154.0028	7094142.0367
50	358156.0069	7094131.174
51	358155.7111	7094121.7381
52	358154.7438	7094114.2739
53	358152.8371	7094102.2001
54	358145.1347	7094073.5454
55	358144.4048	7094065.1708
56	358143.3384	7094047.708
57	358142.1066	7094035.1729
58	358141.0238	7094019.3996
59	358137.2777	7094002.7825
60	358136.5147	7094000.5097
61	358133.847	7093985.3533
62	358130.022	7093971.3555
63	358127.1346	7093964.7489
64	358122.8543	7093960.4948
65	358114.755	7093955.8148
66	358113.3132	7093954.8012
67	358112.8668	7093954.0361
68	358122.6102	7093955.2485
69	358125.3338	7093954.8047
70	358126.8255	7093953.8167
71	358127.3067	7093953.1139
72	358127.0702	7093945.8612
73	358127.3145	7093940.6262
74	358127.1417	7093939.8034
75	358127.3538	7093937.9545

76	358127.4376	7093936.4476
77	358127.6209	7093934.4615
78	358129.8967	7093927.8086
79	358130.1737	7093925.7897
80	358129.8959	7093924.3303
81	358129.5807	7093922.4204
82	358128.5958	7093919.3627
83	358127.5558	7093917.9492
84	358125.9324	7093915.7993
85	358125.7882	7093907.3511
86	358126.4374	7093893.1493
87	358127.3061	7093893.3388
88	358127.9239	7093895.3284
89	358128.4332	7093900.2055
90	358128.7248	7093905.8158
91	358128.6986	7093907.5942
92	358129.9815	7093911.9387
93	358135.294	7093917.6365
94	358135.7895	7093918.3627
95	358136.6522	7093920.1573
96	358136.7318	7093921.4186
97	358136.0735	7093924.2688
98	358134.566	7093930.796
99	358131.072	7093938.214
100	358132.082	7093950.025
101	358136.43	7093958.305
102	358138.117	7093966.156
103	358140.657	7093972.892
104	358145.147	7093977.962
105	358156.775	7093987.032
106	358156.402	7093992.793
107	358177.248	7094071.078

108	358178.909	7094077.315
109	358196.613	7094107.544
110	358199.732	7094143.907
111	358199.375	7094191.006
112	358201.06	7094200.949
113	358214.057	7094216.523
114	358216.515	7094221.369
115	358218.547	7094227.539
116	358228.504	7094240.282

Polígono 34

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Reservatório	Uso	14.1952	Fabiano Ziebarth Leinig	ART Nº 1720212799480

Vértice	Coordenada E (m)	Coordenada N (m)
0	359163.497	7093799.171
1	359146.515	7093823.722
2	359142.3238	7093827.2574
3	359126.327	7093840.751
4	359090.848	7093872.782
5	359073.66	7093884.197
6	359039.751	7093908.885
7	359035.489	7093918.288
8	359011.466	7093945.688
9	358997.735	7093954.578
10	358992.283	7093956.814
11	358987.008	7093962.667
12	358984.051	7093974.149
13	358977.7297	7093985.5396
14	358973.776	7093992.664
15	358957.184	7093997.848
16	358958.555	7094006.703

17	358945.755	7094018.634
18	358931.852	7094034.715
19	358926.555	7094042.729
20	358913.074	7094052.032
21	358904.96	7094062.971
22	358894.261	7094074.28
23	358891.99	7094080.335
24	358877.53	7094085.553
25	358870.509	7094094.025
26	358856.036	7094107.435
27	358852.395	7094112.685
28	358843.178	7094116.979
29	358832.473	7094127.28
30	358828.862	7094134.281
31	358827.383	7094139.811
32	358821.726	7094150.152
33	358809.258	7094160.133
34	358799.9995	7094168.0469
35	358792.891	7094174.123
36	358782.316	7094184.34
37	358771.539	7094197.482
38	358758.911	7094211.901
39	358743.393	7094225.686
40	358735.971	7094236.679
41	358725.416	7094245.385
42	358698.183	7094269.181
43	358679.555	7094279.379
44	358672.321	7094282.258
45	358655.104	7094285.256
46	358649.024	7094291.943
47	358633.559	7094292.443
48	358625.343	7094293.594

49	358621.167	7094297.209
50	358608.8273	7094300.6686
51	358597.28	7094303.906
52	358586.923	7094316.636
53	358568.604	7094320.489
54	358557.598	7094326.817
55	358549.272	7094331.393
56	358536.136	7094336.669
57	358523.273	7094344.63
58	358497.47	7094355.868
59	358483.982	7094364.655
60	358468.364	7094366.759
61	358464.993	7094378.28
62	358452.893	7094381.662
63	358438.126	7094390.452
64	358429.993	7094391.806
65	358419.175	7094397.428
66	358405.128	7094403.871
67	358390.315	7094412.489
68	358382.433	7094422.303
69	358375.217	7094427.647
70	358360.033	7094427.768
71	358352.481	7094430.515
72	358344.53	7094435.018
73	358334.261	7094438.16
74	358313.332	7094450.776
75	358306.493	7094456.399
76	358303.334	7094457.147
77	358293.418	7094459.877
78	358289.508	7094462.125
79	358281.166	7094464.692
80	358271.5528	7094468.183

81	358270.6607	7094464.3945
82	358274.2725	7094462.5358
83	358275.7335	7094460.7906
84	358279.204	7094453.1214
85	358280.321	7094449.4208
86	358280.748	7094445.7019
87	358278.7746	7094430.9075
88	358275.8767	7094421.5497
89	358271.7947	7094411.469
90	358257.3738	7094387.714
91	358248.1729	7094377.7265
92	358236.5889	7094368.2002
93	358236.5145	7094368.1512
94	358233.014	7094365.8475
95	358229.6874	7094363.6599
96	358226.0989	7094361.5836
97	358222.4282	7094359.4598
98	358209.8805	7094354.8376
99	358200.0363	7094351.8999
100	358193.5421	7094350.0978
101	358197.423	7094345.115
102	358212.242	7094341.615
103	358226.84	7094319.609
104	358231.83	7094316.203
105	358234.004	7094309.073
106	358235.027	7094301.37
107	358233.386	7094297.204
108	358232.417	7094287.905
109	358236.809	7094284.71
110	358237.062	7094280.812
111	358242.138	7094274.491
112	358242.658	7094267.139

113	358230.829	7094245.794
114	358228.504	7094240.282
115	358218.547	7094227.539
116	358216.515	7094221.369
117	358214.057	7094216.523
118	358201.06	7094200.949
119	358199.375	7094191.006
120	358199.732	7094143.907
121	358196.613	7094107.544
122	358178.909	7094077.315
123	358177.248	7094071.078
124	358156.402	7093992.793
125	358156.775	7093987.032
126	358145.147	7093977.962
127	358140.657	7093972.892
128	358138.117	7093966.156
129	358136.43	7093958.305
130	358132.082	7093950.025
131	358131.072	7093938.214
132	358134.566	7093930.796
133	358136.7318	7093921.4186
134	358136.7628	7093921.9097
135	358136.6744	7093924.6207
136	358137.1082	7093931.3173
137	358136.0244	7093933.7796
138	358135.6193	7093934.9819
139	358135.9446	7093936.8036
140	358136.7885	7093938.3728
141	358138.035	7093944.5827
142	358138.3142	7093945.6408
143	358139.1582	7093947.21
144	358142.9363	7093950.3662

145	358144.6651	7093950.4317
146	358145.5687	7093949.1532
147	358148.7718	7093946.8462
148	358155.7803	7093943.1935
149	358162.7588	7093939.8048
150	358164.3812	7093939.6349
151	358165.6403	7093939.9138
152	358167.0131	7093941.1426
153	358171.5023	7093947.4143
154	358178.4514	7093956.6903
155	358184.4638	7093965.5904
156	358186.5371	7093970.022
157	358187.2828	7093971.669
158	358187.1311	7093972.9895
159	358186.1581	7093974.483
160	358184.7271	7093975.7006
161	358182.3161	7093977.6972
162	358178.4352	7093980.8622
163	358177.5533	7093981.5633
164	358176.4856	7093982.3321
165	358175.634	7093982.7691
166	358174.0234	7093982.4496
167	358172.3569	7093981.4546
168	358170.8964	7093980.2159
169	358169.3092	7093978.918
170	358160.3215	7093971.5041
171	358159.358	7093970.5903
172	358157.962	7093970.3401
173	358157.7054	7093971.0241
174	358158.823	7093972.5355
175	358160.6713	7093974.1492
176	358163.8973	7093976.4209

177	358168.201	7093980.0389
178	358169.5635	7093981.3555
179	358170.7401	7093982.7399
180	358171.7106	7093984.3681
181	358172.664	7093985.37
182	358173.766	7093985.8538
183	358177.3806	7093985.7801
184	358178.4787	7093984.7472
185	358185.8336	7093980.0205
186	358191.4675	7093978.2617
187	358192.1402	7093978.6069
188	358193.5128	7093979.8355
189	358198.59	7093987.9582
190	358202.8926	7093994.2965
191	358203.2681	7093995.6777
192	358203.1653	7093996.9592
193	358203.862	7093998.645
194	358207.3224	7094003.013
195	358210.9421	7094001.7358
196	358212.884	7094002.2721
197	358213.9657	7094002.932
198	358215.3079	7094004.4245
199	358219.4381	7094012.2589
200	358219.8557	7094012.8868
201	358220.6705	7094014.3186
202	358221.161	7094016.248
203	358225.4551	7094024.5915
204	358226.6214	7094026.0637
205	358228.3672	7094026.7556
206	358229.5437	7094028.1399
207	358229.3716	7094029.6361
208	358228.7127	7094030.7194

209	358228.6402	7094031.7366
210	358231.0845	7094036.0315
211	358231.6948	7094037.3058
212	358232.7647	7094038.4548
213	358234.4581	7094040.4563
214	358234.8235	7094041.569
215	358234.6125	7094043.016
216	358233.717	7094044.607
217	358229.7751	7094048.2986
218	358229.0672	7094049.4208
219	358230.2995	7094051.4801
220	358232.2327	7094051.7032
221	358233.8768	7094050.9566
222	358235.21	7094049.8175
223	358236.2407	7094048.5988
224	358237.126	7094047.0959
225	358239.4696	7094044.9141
226	358244.1272	7094045.4514
227	358252.1321	7094056.3623
228	358255.7678	7094063.0683
229	358260.0373	7094072.3883
230	358260.4818	7094073.5541
231	358261.2187	7094074.8875
232	358262.0046	7094076.1818
233	358262.5861	7094077.3189
234	358263.0391	7094078.7977
235	358263.0442	7094079.9128
236	358262.2957	7094081.3867
237	358260.9236	7094082.4765
238	358259.5616	7094083.4784
239	358258.2487	7094084.4413
240	358256.711	7094085.4228

241	358255.4386	7094086.0338
242	358253.7556	7094086.731
243	358251.907	7094087.32
244	358250.2054	7094087.7923
245	358248.3196	7094087.9312
246	358246.9238	7094087.6809
247	358244.7421	7094086.1363
248	358237.2834	7094073.1948
249	358230.382	7094060.0495
250	358229.8697	7094058.6975
251	358229.6531	7094056.7109
252	358229.6795	7094054.9527
253	358229.2571	7094053.1877
254	358228.5371	7094052.4805
255	358227.7936	7094052.7514
256	358226.8493	7094054.3811
257	358226.4573	7094056.2656
258	358226.7553	7094058.2936
259	358231.1391	7094070.8808
260	358239.6327	7094088.756
261	358240.5943	7094090.0705
262	358241.6454	7094090.9942
263	358243.4206	7094091.9168
264	358245.1957	7094092.251
265	358246.894	7094092.5808
266	358248.6716	7094092.6077
267	358249.8443	7094092.4756
268	358251.7013	7094092.1997
269	358253.4721	7094091.5126
270	358254.4286	7094091.7121
271	358255.3209	7094093.2416
272	358263.4462	7094103.0945

273	358272.0207	7094112.9099
274	358282.2528	7094128.042
275	358292.4319	7094141.6965
276	358301.2876	7094151.7661
277	358308.0566	7094156.3805
278	358317.7081	7094163.0213
279	358327.1163	7094169.4557
280	358341.7795	7094178.1906
281	358357.8636	7094188.1145
282	358365.9827	7094192.2164
283	358372.2637	7094194.5018
284	358388.8154	7094200.3803
285	358400.2546	7094202.7271
286	358402.8761	7094202.0052
287	358404.778	7094200.5762
288	358405.6706	7094199.7882
289	358406.9352	7094198.8648
290	358411.4154	7094199.7836
291	358411.9945	7094201.3211
292	358414.4609	7094204.6362
293	358416.9463	7094207.4503
294	358419.3288	7094208.3626
295	358431.3348	7094210.8195
296	358440.5139	7094211.9249
297	358448.9097	7094211.3356
298	358453.0972	7094210.1707
299	358466.5678	7094206.9145
300	358480.5271	7094201.7535
301	358484.6414	7094199.6886
302	358493.0927	7094194.0242
303	358501.7484	7094186.6002
304	358506.5414	7094181.7604

305	358517.0024	7094169.15
306	358522.4069	7094161.3485
307	358523.4843	7094160.8933
308	358525.3511	7094160.9306
309	358532.2501	7094161.3707
310	358541.3085	7094162.0156
311	358546.6679	7094160.9539
312	358555.4013	7094158.7158
313	358566.1597	7094157.7735
314	358574.7447	7094159.4337
315	358585.3157	7094160.8773
316	358599.6297	7094160.7914
317	358617.7324	7094159.9389
318	358632.7721	7094159.7582
319	358645.6055	7094159.0104
320	358666.1625	7094155.0962
321	358688.32	7094148.5565
322	358703.887	7094143.8865
323	358712.6002	7094140.655
324	358723.5266	7094135.2701
325	358737.3715	7094125.8945
326	358747.8812	7094118.3635
327	358760.9608	7094109.8288
328	358762.7556	7094106.6414
329	358761.9027	7094104.2861
330	358758.6547	7094100.5558
331	358752.3523	7094093.8052
332	358738.7395	7094082.0613
333	358733.0775	7094079.7572
334	358729.7938	7094077.3258
335	358726.2732	7094073.4838
336	358722.4996	7094067.6046

337	358722.2767	7094067.2219
338	358721.3975	7094065.2016
339	358720.6451	7094063.2406
340	358720.406	7094062.2313
341	358719.7674	7094052.0275
342	358720.0358	7094051.2552
343	358720.984	7094049.624
344	358730.1141	7094040.5458
345	358733.4357	7094032.3249
346	358731.8953	7094029.8607
347	358724.1424	7094023.2983
348	358723.6554	7094022.8851
349	358722.5179	7094021.5488
350	358721.4603	7094019.9093
351	358720.8449	7094017.919
352	358719.8849	7094012.7643
353	358719.8196	7094012.1765
354	358719.5322	7094009.2865
355	358716.5778	7093994.8396
356	358714.3897	7093983.382
357	358714.3985	7093981.7757
358	358719.12	7093989.8647
359	358724.0298	7094002.8411
360	358726.1288	7094013.4665
361	358728.1171	7094014.0703
362	358731.9817	7094014.2033
363	358738.4756	7094014.7743
364	358741.0349	7094015.7378
365	358746.6364	7094018.5708
366	358753.7145	7094019.833
367	358762.4115	7094022.1301
368	358776.0267	7094027.0028

369	358795.613	7094033.4568
370	358807.9255	7094036.8849
371	358825.5657	7094043.204
372	358839.5837	7094044.6415
373	358860.8689	7094045.8798
374	358873.7259	7094039.9615
375	358885.738	7094033.3992
376	358902.7507	7094024.1532
377	358905.8084	7094022.0497
378	358910.857	7094017.8091
379	358924.053	7094003.8341
380	358930.9709	7093995.0739
381	358938.7337	7093985.9638
382	358953.2207	7093971.2844
383	358958.4914	7093966.3076
384	358966.3651	7093957.029
385	358974.6356	7093947.0357
386	358977.4462	7093944.0084
387	358978.6429	7093942.1803
388	358978.9296	7093941.7367
389	358989.9665	7093924.6545
390	358999.3214	7093912.1767
391	359003.2844	7093906.8995
392	359011.7657	7093898.0582
393	359028.5506	7093882.2679
394	359041.6507	7093869.7826
395	359051.68	7093860.6757
396	359069.6224	7093844.928
397	359084.5762	7093833.3706
398	359088.352	7093830.0733
399	359100.8038	7093817.4611
400	359110.3481	7093805.7076

401	359113.2945	7093799.637
402	359116.4487	7093789.1776
403	359121.0936	7093773.7674
404	359120.5905	7093768.9519
405	359118.6787	7093764.6981
406	359115.742	7093761.2747
407	359107.2837	7093753.6765
408	359101.5249	7093748.4927
409	359092.417	7093737.339
410	359088.2814	7093731.9897
411	359079.5054	7093718.0198
412	359074.0623	7093706.7618
413	359071.8506	7093700.2115
414	359071.7654	7093699.7336
415	359163.497	7093799.171

Polígono 35

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Reservatório	Uso	3.6815	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	359299.818		7093711.869	
1	359230.131		7093742.151	
2	359193.038		7093763.199	
3	359181.178		7093786.175	
4	359163.497		7093799.171	
5	359071.7648		7093699.733	
6	359071.315		7093697.204	
7	359069.527		7093675.001	
8	359070.135		7093669.095	
9	359070.74		7093654.175	
10	359070.244		7093645.549	

11	359069.559	7093640.025
12	359070.204	7093626.267
13	359067.443	7093613.043
14	359063.906	7093601.467
15	359063.187	7093598.124
16	359060.856	7093590.304
17	359060.636	7093589.52
18	359060.324	7093588.01
19	359060.11	7093586.422
20	359060.129	7093585.13
21	359059.908	7093583.229
22	359059.41	7093581.786
23	359058.223	7093580.887
24	359056.213	7093580.158
25	359054.394	7093577.444
26	359053.91	7093572.476
27	359054.558	7093561.704
28	359055.817	7093549.529
29	359056.124	7093547.69
30	359056.213	7093546.182
31	359056.477	7093544.696
32	359057.648	7093542.333
33	359060.892	7093534.5
34	359064.679	7093519.049
35	359067.089	7093504.685
36	359067.91	7093490.935
37	359070.217	7093477.449
38	359074.625	7093462.78
39	359080.157	7093449.94
40	359081.771	7093451.382
41	359084.972	7093455.245
42	359088.042	7093460.97

43	359090.072	7093467.196
44	359090.04	7093468.98
45	359090.043	7093471.214
46	359090.1254	7093472.2464
47	359090.151	7093472.567
48	359090.28	7093473.744
49	359091.195	7093482.608
50	359094.268	7093498.114
51	359095.048	7093499.814
52	359095.606	7093501.131
53	359097.822	7093507.289
54	359102.3	7093525.236
55	359103.131	7093532.167
56	359103.133	7093533.284
57	359103.096	7093534.351
58	359102.986	7093536.035
59	359102.381	7093538.509
60	359101.722	7093540.307
61	359101.0547	7093552.6194
62	359101.709	7093554.371
63	359102.823	7093555.887
64	359104.633	7093557.172
65	359108.1103	7093559.3452
66	359108.246	7093559.43
67	359108.91	7093559.463
68	359110.444	7093559.689
69	359112.253	7093559.858
70	359113.963	7093560.105
71	359115.69	7093560.577
72	359117.288	7093561.391
73	359119.352	7093562.796
74	359121.869	7093566.397

75	359122.468	7093567.361
76	359123.16	7093569.05
77	359124.256	7093572.974
78	359128.833	7093590.435
79	359132.886	7093598.011
80	359140.958	7093608.16
81	359157.798	7093631.974
82	359171.379	7093653.169
83	359174.726	7093658.027
84	359176.871	7093660.244
85	359180.523	7093662.148
86	359184.918	7093664.184
87	359193.875	7093665.331
88	359210.611	7093665.925
89	359287.103	7093656.221
90	359325.113	7093651.876
91	359374.146	7093651.956
92	359402.496	7093647.897
93	359403.2782	7093647.5849
94	359418.289	7093658.106
95	359418.789	7093680.415
96	359397.425	7093689.995
97	359380.657	7093697.515
98	359299.818	7093711.869

Polígono 36

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Reservatório	Desapropriação	0.0122	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	359418.289		7093658.106	
1	359403.2783		7093647.585	

2	359418.2857	7093641.845		
3	359418.289	7093658.106		
Polígono 37				
UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Reservatório	Desapropriação	6.7555	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	359958.483	7093115.054		
1	359945.5	7093125.191		
2	359935.188	7093132.119		
3	359918.2519	7093136.0553		
4	359914.871	7093152.897		
5	359917.504	7093163.968		
6	359931.572	7093164.893		
7	359954.818	7093163.527		
8	359950.917	7093171.775		
9	359940.967	7093181.266		
10	359920.833	7093191.344		
11	359907.515	7093198.543		
12	359894.494	7093207.307		
13	359880.649	7093218.187		
14	359859.746	7093234.42		
15	359845.83	7093238.887		
16	359833.017	7093246.78		
17	359823.035	7093251.463		
18	359809.313	7093256.507		
19	359797.816	7093261.317		
20	359782.731	7093267.165		
21	359778.219	7093271.773		
22	359766.11	7093275.677		
23	359750.81	7093285.613		

24	359737.139	7093291.012
25	359723.769	7093288.146
26	359721.646	7093302.359
27	359710.274	7093307.906
28	359700.3589	7093313.9105
29	359693.578	7093318.017
30	359684.003	7093331.522
31	359678.939	7093339.608
32	359676.344	7093348.512
33	359677.912	7093362.119
34	359666.436	7093368.314
35	359661.06	7093383.209
36	359659.345	7093398.368
37	359654.209	7093412.628
38	359646.015	7093423.943
39	359636.17	7093431.309
40	359627.038	7093444.304
41	359618.225	7093455.706
42	359604.423	7093471.185
43	359592.893	7093482.912
44	359589.861	7093488.305
45	359576.486	7093498.927
46	359574.519	7093508.501
47	359567	7093518.208
48	359560.591	7093532.127
49	359545.959	7093539.982
50	359544.069	7093560.656
51	359535.821	7093579.339
52	359531.962	7093585.598
53	359523.618	7093592.71
54	359516.651	7093604.394
55	359510.623	7093609.349

56	359504.2	7093617.943
57	359498.628	7093622.59
58	359490.55	7093633.984
59	359484.193	7093641.734
60	359473.073	7093650.45
61	359466.813	7093658.669
62	359458.337	7093666.189
63	359448.018	7093666.525
64	359440.993	7093672.12
65	359434.653	7093679.315
66	359429.99	7093681.014
67	359418.789	7093680.415
68	359418.289	7093658.106
69	359418.2857	7093641.845
70	359420.3909	7093641.0398
71	359427.037	7093638.0311
72	359442.594	7093629.1116
73	359442.8296	7093629.0055
74	359449.9051	7093625.0204
75	359468.1747	7093612.4469
76	359479.5067	7093604.9459
77	359487.1568	7093600.2687
78	359497.5858	7093593.2406
79	359505.6973	7093587.3225
80	359513.9986	7093577.586
81	359517.8889	7093571.1683
82	359525.5892	7093557.5186
83	359530.4216	7093547.2766
84	359530.7226	7093543.5354
85	359529.097	7093531.1304
86	359527.6228	7093521.6303
87	359525.0887	7093512.6011

88	359524.8429	7093509.9795
89	359526.1133	7093509.3715
90	359527.9335	7093510.9386
91	359531.8444	7093513.59
92	359537.4219	7093515.3027
93	359549.495	7093514.2588
94	359552.2152	7093513.2343
95	359554.3526	7093511.9878
96	359557.3911	7093510.1544
97	359562.4406	7093506.0756
98	359567.0474	7093500.835
99	359577.1496	7093489.9685
100	359588.05	7093477.1964
101	359598.9624	7093465.8477
102	359603.1808	7093458.2087
103	359606.7025	7093453.5094
104	359620.758	7093434.976
105	359630.0582	7093420.2883
106	359638.488	7093406.2107
107	359642.6117	7093395.9411
108	359649.4349	7093379.634
109	359656.0971	7093364.3302
110	359657.9267	7093360.8121
111	359665.8153	7093343.7415
112	359670.3333	7093326.6338
113	359671.4896	7093315.5306
114	359673.49	7093309.0122
115	359677.3405	7093300.7106
116	359683.6721	7093285.1918
117	359687.2089	7093271.6579
118	359687.3799	7093268.4486
119	359686.6023	7093264.1678

120	359684.1286	7093256.9366
121	359685.8965	7093255.3346
122	359699.2272	7093240.7226
123	359708.511	7093229.4735
124	359710.3118	7093225.1828
125	359714.3591	7093212.5077
126	359716.4647	7093198.584
127	359723.1026	7093172.3973
128	359725.7889	7093157.2976
129	359725.7657	7093146.4115
130	359725.2045	7093132.1305
131	359722.6733	7093120.2837
132	359718.6365	7093109.5483
133	359717.6908	7093105.839
134	359717.8781	7093103.4619
135	359722.3822	7093092.9725
136	359723.0504	7093091.807
137	359724.0792	7093090.5949
138	359725.6724	7093089.4934
139	359733.4019	7093086.4019
140	359738.9635	7093082.4787
141	359757.2646	7093070.5442
142	359759.9676	7093069.44
143	359763.9295	7093067.8172
144	359779.3218	7093058.7412
145	359793.4746	7093050.009
146	359799.2829	7093047.0045
147	359802.8	7093046.5293
148	359809.6344	7093046.5326
149	359822.8054	7093046.6141
150	359827.503	7093047.4325
151	359830.4452	7093048.8441

152	359831.3086	7093049.4341
153	359832.744	7093050.4466
154	359834.8942	7093052.5645
155	359839.7348	7093058.6403
156	359841.5102	7093061.6912
157	359842.5933	7093063.0619
158	359845.011	7093066.1216
159	359847.7464	7093068.1655
160	359853.4568	7093070.3775
161	359862.4725	7093068.1618
162	359865.5413	7093067.1779
163	359867.5892	7093066.3526
164	359868.9735	7093065.8934
165	359870.5532	7093065.2796
166	359873.2239	7093064.4386
167	359874.7677	7093063.9804
168	359878.3818	7093062.1361
169	359884.55	7093057.0651
170	359894.6707	7093045.5539
171	359895.0493	7093043.8221
172	359895.3873	7093042.4408
173	359895.8901	7093040.5312
174	359895.9899	7093038.7815
175	359896.1883	7093035.3048
176	359895.5709	7093033.2258
177	359895.2494	7093031.4118
178	359894.5982	7093029.3813
179	359894.5331	7093029.1783
180	359894.0314	7093027.614
181	359892.4043	7093024.5938
182	359891.8059	7093023.6353
183	359890.6499	7093021.3678

184	359890.1289	7093020.5072
185	359889.6282	7093019.4713
186	359885.2563	7093010.5195
187	359884.1807	7093006.7958
188	359884.1441	7093006.3474
189	359884.2989	7093004.6336
190	359884.6002	7093002.8038
191	359884.7631	7093001.4019
192	359885.4312	7092998.2092
193	359894.5955	7092983.5958
194	359900.4969	7092969.4576
195	359901.7573	7092960.9016
196	359900.5975	7092953.7037
197	359898.6337	7092945.7892
198	359896.1796	7092932.9313
199	359894.1124	7092916.7432
200	359893.3396	7092902.395
201	359891.9658	7092897.0363
202	359886.7146	7092881.1375
203	359881.8191	7092869.8105
204	359880.0807	7092865.2967
205	359877.4407	7092854.4131
206	359874.7618	7092845.3902
207	359871.2237	7092836.8875
208	359863.528	7092824.828
209	359862.0443	7092822.0387
210	359861.716	7092821.3265
211	359860.2155	7092817.8173
212	359858.1673	7092811.0003
213	359857.98	7092809.5566
214	359857.8416	7092808.0742
215	359857.8579	7092806.7877

216	359858.086	7092804.0603
217	359859.0166	7092801.0162
218	359863.9322	7092789.647
219	359872.1341	7092771.3811
220	359873.5471	7092768.5047
221	359876.5077	7092763.147
222	359884.5372	7092753.1084
223	359892.9049	7092741.8049
224	359895.2772	7092736.2753
225	359907.2322	7092711.2554
226	359909.3097	7092706.8444
227	359909.3104	7092706.843
228	359933.9648	7092698.8284
229	359926.825	7092713.103
230	359922.105	7092715.692
231	359921.394	7092729.595
232	359922.757	7092739.03
233	359918.816	7092744.988
234	359912.634	7092751.678
235	359906.195	7092760.718
236	359901.767	7092768.879
237	359897.573	7092776.911
238	359899.646	7092783.867
239	359894.784	7092793.141
240	359884.237	7092802.495
241	359877.95	7092812.293
242	359878.84	7092816.757
243	359878.957	7092821.15
244	359882.745	7092823.451
245	359886.926	7092822.359
246	359893.935	7092826.535
247	359896.483	7092840.859

248	359899.342	7092846.559
249	359906.575	7092855.031
250	359910.25	7092860.649
251	359908.053	7092873.824
252	359913.989	7092885.535
253	359916.002	7092894.955
254	359919.625	7092905.473
255	359919.634	7092910.545
256	359921.655	7092913.811
257	359927.486	7092923.208
258	359936.886	7092937.449
259	359942.118	7092951.61
260	359948.842	7092961.692
261	359953.761	7092968.262
262	359958.252	7092975.078
263	359969.954	7092980.63
264	359973.703	7092987.546
265	359976.089	7092992.957
266	359984.308	7093003.872
267	359985.768	7093015.898
268	359987.455	7093029.92
269	359983.313	7093046.021
270	359974.353	7093061.174
271	359968.485	7093069.249
272	359967.751	7093074.446
273	359961.918	7093082.451
274	359962.102	7093092.497
275	359961.209	7093101.076
276	359958.483	7093115.054

Polígono 38

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)

Reservatório	Uso	0.2787	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	359950.942		7092649.543	
1	359939.942		7092672.353	
2	359938.512		7092685.933	
3	359937.012		7092694.013	
4	359933.9639		7092698.83	
5	359933.6438		7092698.9341	
6	359909.4143		7092706.6315	
7	359918.704		7092687.699	
8	359933.139		7092646.774	
9	359950.274		7092610.087	
10	359953.531		7092549.092	
11	359958.599		7092516.435	
12	359962.986		7092477.078	
13	359968.392		7092458.073	
14	359968.172		7092470.033	
15	359965.532		7092494.763	
16	359960.192		7092507.273	
17	359959.392		7092521.863	
18	359960.582		7092541.633	
19	359966.152		7092570.553	
20	359967.092		7092582.833	
21	359966.142		7092607.283	
22	359950.942		7092649.543	
Polígono 39				
UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Reservatório	Uso	1.8434	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	360013.616		7092901.399	

1	360026.437	7092927.432
2	360030.987	7092951.758
3	360029.893	7092983.1207
4	360014.74	7092987.7
5	359990.51	7092990.67
6	359983.88	7092990.48
7	359974.17	7092981.4
8	359964.51	7092973.67
9	359952.75	7092957.93
10	359943.46	7092940.39
11	359935.72	7092927.61
12	359925.08	7092900.11
13	359915.73	7092871.29
14	359916.26	7092861.36
15	359915.95	7092855.49
16	359901.05	7092838.37
17	359899.54	7092823.47
18	359886.95	7092816.74
19	359899.66	7092798.76
20	359907.38	7092777.64
21	359920.1	7092757.91
22	359925.92	7092736.65
23	359933.81	7092715.72
24	359945.04	7092682.17
25	359964.19	7092659.35
26	359973.15	7092638.26
27	359975.84	7092611.43
28	359974.18	7092594.09
29	359975.2	7092562.23
30	359971.84	7092544.1
31	359970.41	7092522.73
32	359972.7	7092507.98

33	359979.53	7092493.36
34	359981.47	7092480.09
35	359985.099	7092473.403
36	359982.911	7092514.763
37	359996.832	7092555.655
38	359991.878	7092578.46
39	359987.762	7092623.311
40	359981.592	7092641.477
41	359950.061	7092707.409
42	359936.607	7092839.897
43	359995.892	7092871.463
44	360005.629	7092881.995
45	360013.616	7092901.399

Polígono 40

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Reservatório	Desapropriação	6.3714	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	360717.465		7093278.66	
1	360716.024		7093280.84	
2	360715.798		7093281.655	
3	360714.277		7093287.232	
4	360714.31		7093291.572	
5	360715.775		7093296.12	
6	360716.581		7093298.337	
7	360716.964		7093299.619	
8	360716.704		7093301.891	
9	360716.058		7093303.675	
10	360712.809		7093313.17	
11	360711.912		7093314.837	
12	360710.949		7093315.922	

13	360708.755	7093317.352
14	360707.688	7093317.805
15	360705.031	7093318.651
16	360702.155	7093318.321
17	360697.469	7093317.608
18	360696.141	7093318.031
19	360694.802	7093318.541
20	360693.425	7093319.003
21	360690.125	7093320.838
22	360682.959	7093327.894
23	360672.726	7093336.68
24	360671.424	7093337.638
25	360669.938	7093338.663
26	360668.171	7093339.434
27	360666.261	7093339.924
28	360657.089	7093341.353
29	360656.566	7093341.293
30	360654.659	7093340.986
31	360653.448	7093340.759
32	360651.853	7093339.647
33	360650.607	7093338.574
34	360649.961	7093337.66
35	360649.85	7093336.319
36	360650.603	7093334.369
37	360648.412	7093332.841
38	360646.195	7093331.607
39	360637.226	7093325.091
40	360625.729	7093317.888
41	360615.728	7093312.271
42	360614.925	7093311.958
43	360613.619	7093311.41
44	360611.846	7093311.074

45	360609.938	7093310.767
46	360599.197	7093305.818
47	360588.45	7093299.762
48	360586.93	7093299.145
49	360585.323	7093298.518
50	360581.01	7093298.378
51	360578.285	7093299.176
52	360578.087	7093302.788
53	360579.532	7093305.435
54	360586.555	7093313.34
55	360598.578	7093323.621
56	360609.512	7093334.072
57	360612.323	7093336.968
58	360621.413	7093345.269
59	360628.727	7093352.842
60	360632.214	7093359.6
61	360632.766	7093361.107
62	360634.916	7093362.892
63	360635.302	7093364.643
64	360635.402	7093370.138
65	360637.44	7093377.702
66	360641.465	7093390.082
67	360647.588	7093401.932
68	360654.96	7093410.436
69	360659.456	7093414.049
70	360666.175	7093420.062
71	360673.072	7093430.029
72	360674.452	7093434.04
73	360681.788	7093446.92
74	360689.129	7093455.772
75	360695.95	7093464.977
76	360697.995	7093467.363

77	360702.707	7093471.035
78	360716.623	7093480.47
79	360718.064	7093481.269
80	360719.865	7093481.642
81	360721.482	7093481.513
82	360723.557	7093481.245
83	360726.219	7093480.894
84	360730.973	7093481.738
85	360736.822	7093482.04
86	360739.227	7093481.77
87	360740.865	7093481.377
88	360745.389	7093480.033
89	360751.071	7093479.274
90	360755.612	7093479.392
91	360762.135	7093481.534
92	360763.744	7093482.068
93	360765.414	7093482.386
94	360767.356	7093483.213
95	360768.752	7093484.171
96	360769.992	7093485.425
97	360771.503	7093487.189
98	360773.974	7093490.36
99	360779.234	7093498.321
100	360789.183	7093513.001
101	360799.512	7093527.932
102	360801.402	7093532.248
103	360801.707	7093534.042
104	360802.134	7093535.405
105	360802.29	7093536.833
106	360802.233	7093538.686
107	360802.157	7093540.228
108	360802.012	7093542.073

109	360801.962	7093543.838
110	360802.001	7093545.61
111	360802.129	7093547.39
112	360802.264	7093549.082
113	360802.296	7093550.943
114	360802.034	7093554.283
115	360802.657	7093558.944
116	360803.069	7093561.622
117	360803.894	7093562.652
118	360804.512	7093564.093
119	360806.161	7093564.711
120	360807.192	7093565.123
121	360808.223	7093565.741
122	360810.078	7093566.771
123	360813.995	7093569.243
124	360819.765	7093571.997
125	360835.454	7093576.491
126	360836.448	7093576.883
127	360837.306	7093577.309
128	360838.858	7093577.969
129	360840.498	7093578.636
130	360841.832	7093579.234
131	360845.61	7093581.053
132	360859.57	7093591.326
133	360867.168	7093602.637
134	360868.323	7093604.657
135	360871.07	7093607.958
136	360876.218	7093613.294
137	360883.295	7093619.299
138	360884.998	7093621.143
139	360889.4	7093626.615
140	360892.517	7093630.013

141	360899.013	7093636.3
142	360907.07	7093642.825
143	360909.755	7093645.48
144	360918.791	7093654.539
145	360926.253	7093662.385
146	360930.812	7093668.376
147	360946.283	7093686.718
148	360948.799	7093689.599
149	360951.043	7093690.116
150	360952.616	7093690.754
151	360954.967	7093692.539
152	360961.359	7093698.658
153	360974.268	7093709.842
154	360983.152	7093716.761
155	360986.16	7093719.505
156	360992.753	7093726.146
157	360999.733	7093731.802
158	361010.528	7093738.653
159	361011.808	7093739.333
160	361013.434	7093740.129
161	361015.636	7093740.928
162	361020.711	7093742.493
163	361025.604	7093744.662
164	361033.823	7093747.743
165	361041.413	7093749.469
166	361048.904	7093750.458
167	361051.431	7093750.775
168	361060.202	7093752.686
169	361071.84	7093751.603
170	361087.919	7093755.722
171	361091.012	7093759.636
172	361102.555	7093767.463

173	361112.038	7093775.702
174	361119.459	7093781.469
175	361124.354	7093788.456
176	361129.663	7093793.737
177	361137.444	7093798.566
178	361139.517	7093799.839
179	361141.536	7093801.351
180	361145.715	7093803.92
181	361148.776	7093805.295
182	361152.048	7093807.681
183	361157.845	7093812.06
184	361163.537	7093816.938
185	361175.235	7093823.848
186	361182.862	7093832.087
187	361195.23	7093840.12
188	361198.322	7093848.77
189	361202.033	7093850.83
190	361207.805	7093855.361
191	361210.278	7093857.215
192	361212.582	7093858.941
193	361213.815	7093858.825
194	361215.279	7093858.48
195	361216.662	7093858.041
196	361221.616	7093853.508
197	361225.945	7093850.624
198	361231.099	7093845.063
199	361232.335	7093843.209
200	361237.695	7093840.12
201	361246.684	7093832.388
202	361252.95	7093820.14
203	361259.958	7093814.167
204	361265.29	7093813.589

205	361268.947	7093811.704
206	361280.636	7093807.893
207	361281.416	7093807.803
208	361284.901	7093806.752
209	361289.024	7093807.164
210	361295.827	7093807.782
211	361298.713	7093810.871
212	361299.331	7093812.107
213	361299.348	7093814.157
214	361300.17	7093815.833
215	361300.448	7093817.685
216	361300.699	7093819.315
217	361304.691	7093828.379
218	361305.928	7093849.594
219	361306.34	7093854.332
220	361306.752	7093857.833
221	361306.34	7093860.305
222	361306.958	7093862.777
223	361307.371	7093866.278
224	361308.195	7093869.162
225	361308.814	7093871.015
226	361308.445	7093872.413
227	361309.127	7093874.188
228	361309.526	7093875.323
229	361309.94	7093876.856
230	361310.258	7093878.469
231	361310.005	7093881.801
232	361309.566	7093886.991
233	361308.473	7093895.834
234	361308.401	7093902.735
235	361308.401	7093905.413
236	361310.269	7093907.279

237	361307.433	7093906.787
238	361307.073	7093895.146
239	361308.653	7093881.053
240	361306.648	7093867.123
241	361305.097	7093858.308
242	361304.43	7093846.332
243	361303.034	7093829.464
244	361297.709	7093811.079
245	361286.491	7093807.577
246	361278.243	7093808.973
247	361259.776	7093816.121
248	361253.081	7093823.482
249	361245.957	7093837.416
250	361236.279	7093842.053
251	361226.09	7093852.016
252	361213.17	7093861.012
253	361206.993	7093856.175
254	361196.186	7093848.653
255	361193.758	7093841.95
256	361183.658	7093834.607
257	361176.021	7093826.578
258	361166.473	7093820.354
259	361151.285	7093810.268
260	361138.869	7093799.903
261	361126.338	7093793.489
262	361117.588	7093781.832
263	361107.245	7093773.879
264	361095.011	7093763.549
265	361086.633	7093757.433
266	361065.348	7093753.067
267	361042.002	7093756.987
268	361021.87	7093745.21

269	361000.447	7093737.823
270	360985.531	7093727.888
271	360976.486	7093726.464
272	360967.769	7093712.353
273	360950.75	7093697.046
274	360940.283	7093684.439
275	360923.951	7093663.332
276	360909.577	7093648.719
277	360889.514	7093631.845
278	360865.265	7093613.725
279	360849.138	7093586.001
280	360833.383	7093576.913
281	360815.912	7093572.076
282	360790.384	7093556.929
283	360782.744	7093534.717
284	360773.192	7093514.084
285	360764.496	7093491.58
286	360742.869	7093497.146
287	360718.153	7093499.061
288	360698.542	7093485.372
289	360684.062	7093473.724
290	360670.306	7093463.223
291	360668.316	7093462.309
292	360659.817	7093452.749
293	360640.554	7093433.469
294	360629.456	7093422.825
295	360609.351	7093407.823
296	360593.867	7093396.177
297	360579.729	7093377.078
298	360555.056	7093351.23
299	360546.492	7093343.262
300	360536.351	7093327.644

301	360532.639	7093325.872
302	360512.767	7093304.164
303	360500.33	7093288.122
304	360484.015	7093276.782
305	360468.283	7093269.034
306	360458.164	7093264.722
307	360440.998	7093255.2
308	360425.19	7093251.704
309	360411.918	7093245.783
310	360390.674	7093237.239
311	360388.845	7093233.194
312	360385.31	7093225.377
313	360374.251	7093222.807
314	360359.902	7093215.347
315	360347.539	7093212.541
316	360327.072	7093209.931
317	360309.378	7093202.82
318	360301.907	7093196.959
319	360287.776	7093191.703
320	360274.665	7093188.311
321	360262.631	7093177.579
322	360243.772	7093179.216
323	360224.709	7093176.598
324	360206.569	7093165.999
325	360183.88	7093154.912
326	360171.704	7093144.949
327	360158.235	7093144.873
328	360135.326	7093144.883
329	360112.592	7093142.749
330	360093.599	7093140.674
331	360083.46	7093138.906
332	360047.767	7093140.532

333	360029.639	7093135.949
334	360014.356	7093129.818
335	359993.879	7093136.607
336	359971.318	7093148.522
337	359961.953	7093152.374
338	359955.312	7093154.75
339	359942.488	7093157.305
340	359923.416	7093158.638
341	359927.459	7093141.57
342	359937.256	7093139.046
343	359949.204	7093129.984
344	359964.409	7093120.8
345	359966.502	7093111.963
346	359970.554	7093091.697
347	359975.24	7093069.234
348	359988.075	7093057.487
349	359991.151	7093042.053
350	359993.777	7093026.699
351	359992.917	7093017.012
352	359994.201	7093007.653
353	359995.33	7093001.35
354	359990.51	7092990.67
355	360002.625	7092989.185
356	360014.74	7092987.7
357	360029.893	7092983.121
358	360027.258	7092996.454
359	360026.328	7093000.077
360	360022.922	7093013.749
361	360021.859	7093019.838
362	360021.231	7093030.196
363	360019.442	7093056.265
364	360019.423	7093057.949

365	360019.317	7093059.624
366	360019.321	7093060.734
367	360019.4	7093062.341
368	360019.646	7093065.566
369	360020.463	7093067.304
370	360022.353	7093068.592
371	360026.09	7093069.608
372	360028.661	7093070.753
373	360036.805	7093075.039
374	360048.458	7093081.157
375	360058.065	7093084.282
376	360067.69	7093085.723
377	360079.347	7093088.735
378	360097.561	7093095.933
379	360106.844	7093099.153
380	360123.326	7093100.644
381	360140.989	7093101.944
382	360152.257	7093101.823
383	360153.406	7093101.468
384	360154.341	7093101.044
385	360155.968	7093100.389
386	360158.588	7093099.184
387	360168.001	7093094.019
388	360168.869	7093093.41
389	360169.987	7093093.317
390	360171.441	7093094.149
391	360172.622	7093095.437
392	360173.452	7093096.685
393	360174.448	7093098.04
394	360175.25	7093099.152
395	360178.39	7093103.413
396	360188.804	7093116.044

397	360189.48	7093117.096
398	360189.962	7093117.905
399	360190.744	7093119.192
400	360191.865	7093120.606
401	360193.259	7093121.962
402	360198.363	7093123.79
403	360209.755	7093125.632
404	360226.067	7093126.667
405	360229.171	7093125.409
406	360230.801	7093124.021
407	360231.924	7093122.733
408	360233.72	7093120.591
409	360235.711	7093118.694
410	360236.978	7093117.687
411	360238.489	7093116.488
412	360239.775	7093115.706
413	360243.036	7093114.309
414	360254.041	7093112.563
415	360263.43	7093113.688
416	360264.207	7093113.865
417	360265.41	7093114.181
418	360266.205	7093114.583
419	360268.754	7093115.895
420	360274.783	7093118.892
421	360279.744	7093121.944
422	360286.81	7093124.133
423	360288.75	7093123.689
424	360290.452	7093123.132
425	360291.941	7093122.506
426	360293.401	7093121.744
427	360295.036	7093121.002
428	360296.729	7093120.133

429	360298.228	7093119.42
430	360299.901	7093118.727
431	360301.477	7093118.111
432	360305.472	7093117.242
433	360308.966	7093117.644
434	360312.681	7093118.824
435	360314.425	7093118.003
436	360316.008	7093114.911
437	360316.223	7093114.581
438	360316.88	7093113.107
439	360317.711	7093111.652
440	360318.669	7093110.257
441	360320.259	7093108.358
442	360321.225	7093107.274
443	360322.288	7093106.112
444	360323.342	7093105.037
445	360324.182	7093106.197
446	360323.301	7093107.69
447	360322.233	7093110.047
448	360322.061	7093111.932
449	360322.558	7093113.761
450	360323.339	7093115.046
451	360331.297	7093125.484
452	360340.241	7093136.966
453	360344.392	7093145.106
454	360347.674	7093156.954
455	360351.027	7093170.494
456	360353.823	7093182.332
457	360354.014	7093182.974
458	360354.367	7093184.52
459	360355.176	7093186.341
460	360355.994	7093188.073

461	360357.685	7093189.907
462	360359.37	7093191.03
463	360369.83	7093192.409
464	360376.618	7093194.163
465	360397.128	7093194.304
466	360406.168	7093195.697
467	360411.613	7093195.658
468	360416.226	7093194.771
469	360421.402	7093193.993
470	360427.916	7093195.804
471	360441.085	7093202.807
472	360448.255	7093207.749
473	360455.81	7093213.576
474	360464.784	7093223.595
475	360469.499	7093233.347
476	360470.589	7093235.021
477	360473.941	7093238.55
478	360475.742	7093239.421
479	360486.248	7093241.866
480	360498.112	7093246.725
481	360512.013	7093253.854
482	360516.582	7093256.017
483	360522.891	7093257.272
484	360529.031	7093256.913
485	360529.858	7093256.256
486	360531.434	7093254.843
487	360533.715	7093251.917
488	360546.342	7093236.233
489	360550.168	7093232.157
490	360553.866	7093228.421
491	360561.955	7093219.921
492	360566.028	7093214.458

493	360568.248	7093212.057
494	360569.416	7093210.731
495	360571.159	7093208.63
496	360573.057	7093206.723
497	360574.807	7093205.331
498	360579	7093203.821
499	360580.61	7093203.652
500	360583.298	7093202.943
501	360592.153	7093198.915
502	360599.536	7093194.232
503	360612.632	7093183.258
504	360624.207	7093173.97
505	360629.375	7093170.494
506	360639.498	7093165.774
507	360633.463	7093173.353
508	360627.332	7093180.613
509	360625.733	7093183.393
510	360624.412	7093186.826
511	360620.909	7093201.202
512	360621.286	7093204.078
513	360621.94	7093205.303
514	360623.386	7093207.328
515	360625.597	7093209.283
516	360629.384	7093210.097
517	360631.692	7093209.61
518	360635.768	7093207.954
519	360637.405	7093207.921
520	360639.594	7093208.084
521	360641.491	7093208.878
522	360647.014	7093213.217
523	360648.954	7093213.496
524	360652.666	7093213.082

525	360655.929	7093213.501
526	360659.658	7093213.709
527	360661.66	7093214.735
528	360663.779	7093215.509
529	360665.383	7093216.534
530	360668.286	7093220.098
531	360669.229	7093224.586
532	360669.475	7093226.296
533	360669.585	7093228.034
534	360669.344	7093230.13
535	360666.522	7093238.966
536	360664.812	7093240.406
537	360661.957	7093242.203
538	360657.964	7093247.762
539	360657.005	7093249.924
540	360657.118	7093251.294
541	360658.701	7093252.891
542	360660.413	7093253.752
543	360662.359	7093254.108
544	360666.02	7093254.433
545	360670.168	7093254.163
546	360682.263	7093252.631
547	360686.926	7093251.618
548	360688.489	7093250.691
549	360689.41	7093250.354
550	360690.977	7093250.932
551	360691.513	7093252.808
552	360690.35	7093255.118
553	360691.324	7093256.768
554	360692.919	7093257.88
555	360694.424	7093259.381
556	360699.875	7093265.36

557	360700.985	7093266.461
558	360702.288	7093267.805
559	360703.777	7093268.683
560	360705.693	7093268.903
561	360707.466	7093268.841
562	360709.162	7093268.682
563	360711.129	7093268.465
564	360715.156	7093268.75
565	360719.317	7093272.502
566	360719.799	7093273.309
567	360720.201	7093274.417
568	360719.819	7093275.833
569	360717.465	7093278.66

Polígono 41

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Reservatório	Desapropriação	0.57296704	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	361242.305		7094113.796	
1	361241.687		7094115.516	
2	361240.139		7094119.263	
3	361236.032		7094131.323	
4	361231.85		7094143.776	
5	361229.107		7094152.452	
6	361226.629		7094173.221	
7	361228.238		7094190.898	
8	361229.732		7094201.649	
9	361231.128		7094208.881	
10	361231.176		7094210.566	
11	361231.082		7094212.085	
12	361230.901		7094213.885	

13	361230.429	7094217.167
14	361229.223	7094222.23
15	361228.303	7094224.926
16	361228.506	7094236.161
17	361220.732	7094250.624
18	361214.567	7094264.016
19	361204.757	7094281.219
20	361192.573	7094307.829
21	361182.387	7094328.184
22	361178.366	7094332.737
23	361163.623	7094345.057
24	361131.993	7094367.287
25	361114.092	7094385.144
26	361112.719	7094387.646
27	361107.426	7094393.695
28	361099.973	7094401.526
29	361098.749	7094402.582
30	361097.242	7094403.882
31	361096.511	7094404.843
32	361096.415	7094406.16
33	361096.819	7094407.293
34	361097.931	7094408.391
35	361099.495	7094409.346
36	361100.931	7094410.247
37	361102.326	7094411.101
38	361103.721	7094411.955
39	361105.216	7094412.64
40	361107.076	7094413.176
41	361108.772	7094413.523
42	361110.124	7094413.756
43	361111.616	7094413.867
44	361113.548	7094414.01

45	361114.953	7094414.115
46	361116.035	7094414.416
47	361116.492	7094415.421
48	361115.838	7094417.138
49	361115.238	7094418.726
50	361114.684	7094420.274
51	361113.085	7094420.42
52	361111.781	7094418.911
53	361110.499	7094417.712
54	361108.982	7094416.716
55	361107.481	7094416.119
56	361104.634	7094415.201
57	361100.179	7094412.707
58	361099.963	7094412.647
59	361098.163	7094411.895
60	361096.592	7094411.028
61	361094.934	7094410.154
62	361093.122	7094409.578
63	361083.9	7094417.83
64	361063.261	7094442.471
65	361045.569	7094461.755
66	361038.868	7094466.576
67	361012.867	7094471.665
68	360998.929	7094472.736
69	360975.072	7094468.183
70	360894.312	7094452.684
71	360883.935	7094452.648
72	360871.069	7094456.666
73	360834.806	7094472.727
74	360818.656	7094482.013
75	360800.256	7094497.07
76	360776.271	7094513.196

77	360772.539	7094515.209
78	360764.532	7094514.252
79	360740.182	7094513.694
80	360737.72	7094513.191
81	360719.55	7094509.337
82	360701.298	7094508.428
83	360680.853	7094504.197
84	360657.662	7094500.623
85	360621.655	7094490.39
86	360578.599	7094491.195
87	360568.944	7094489.396
88	360570.756	7094488.951
89	360577.232	7094490.381
90	360591.744	7094489.363
91	360598.512	7094488.861
92	360610.801	7094488.263
93	360622.242	7094486.623
94	360626.309	7094488.757
95	360638.97	7094493.328
96	360647.513	7094497.448
97	360659.02	7094499.772
98	360677.615	7094502.372
99	360686.651	7094504.969
100	360693.899	7094504.403
101	360703.906	7094501.987
102	360717.454	7094503.071
103	360724.622	7094505.351
104	360736.579	7094508.161
105	360744.896	7094513.635
106	360767.414	7094511.24
107	360772.559	7094499.92
108	360779.683	7094497.488

109	360788.401	7094496.913
110	360800.673	7094495.694
111	360811.586	7094486.581
112	360819.924	7094478.878
113	360822.669	7094470.12
114	360834.564	7094472.548
115	360881.354	7094448.928
116	361000.023	7094472.331
117	361038.507	7094465.399
118	361122.45	7094372.245
119	361177.692	7094331.473
120	361226.214	7094236.636
121	361222.927	7094143.751
122	361236.32	7094042.539
123	361237.303	7093937.019
124	361205.972	7093869.847
125	361287.412	7093820.121
126	361296.598	7093903.275
127	361311.861	7093922.809
128	361329.002	7093915.234
129	361325.563	7093919.358
130	361321.811	7093922.304
131	361314.037	7093925.25
132	361307.068	7093923.911
133	361300.635	7093919.625
134	361296.078	7093911.858
135	361293.129	7093903.02
136	361292.593	7093888.557
137	361290.985	7093870.344
138	361289.645	7093858.828
139	361287.768	7093845.436
140	361285.088	7093838.205

141	361279.459	7093835.794
142	361271.417	7093836.33
143	361259.623	7093839.812
144	361248.712	7093847.196
145	361247.375	7093848.5
146	361245.105	7093850.433
147	361241.509	7093852.657
148	361231.194	7093862.06
149	361227.416	7093865.197
150	361224.665	7093867.336
151	361224.039	7093867.705
152	361222.464	7093868.35
153	361220.729	7093869.048
154	361218.647	7093869.674
155	361213.04	7093870.965
156	361211.782	7093872.077
157	361211.55	7093873.957
158	361217.264	7093883.494
159	361239.404	7093931.98
160	361239.939	7093933.657
161	361240.387	7093935.327
162	361240.868	7093937.131
163	361241.425	7093940.841
164	361242.273	7093945.368
165	361244.709	7093958.633
166	361244.906	7093959.532
167	361245.11	7093960.917
168	361245.57	7093962.412
169	361246.593	7093964.083
170	361247.5	7093965.524
171	361248.366	7093966.918
172	361249.138	7093968.393

173	361249.579	7093970.15
174	361249.898	7093971.766
175	361250.027	7093973.542
176	361250.056	7093975.488
177	361250.004	7093979.061
178	361250.418	7093984.349
179	361250.724	7093991.065
180	361250.406	7093996.958
181	361250.955	7094018.159
182	361251.037	7094019.403
183	361251.318	7094020.64
184	361252.036	7094022.243
185	361253.004	7094023.468
186	361254.398	7094024.33
187	361256.17	7094025.155
188	361257.841	7094025.575
189	361259.454	7094026.166
190	361254.91	7094026.601
191	361248.861	7094027.05
192	361247.634	7094027.77
193	361245.988	7094029.627
194	361244.314	7094035.614
195	361241.531	7094046.286
196	361237.111	7094058.974
197	361236.65	7094063.268
198	361238.341	7094068.352
199	361240.353	7094077.35
200	361241.234	7094079.143
201	361242.06	7094080.49
202	361242.883	7094082.168
203	361243.192	7094083.916
204	361242.765	7094086.91

205	361242.784	7094091.001
206	361243.007	7094101.406
207	361242.932	7094110.507
208	361242.841	7094111.119
209	361242.541	7094112.731
210	361242.305	7094113.796

Polígono 42

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Bota-fora/empréstimo	Servidão Administrativa	2.2643	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	357190.8796		7096507.186	
1	357201.2296		7096510.7608	
2	357204.089		7096511.8366	
3	357214.556		7096515.3636	
4	357215.3208		7096517.8052	
5	357216.7121		7096521.5536	
6	357217.5396		7096523.4265	
7	357218.3672		7096525.2994	
8	357219.9264		7096528.3776	
9	357221.8408		7096531.7532	
10	357222.8882		7096533.4589	
11	357224.2495		7096535.558	
12	357225.8889		7096537.9203	
13	357218.6866		7096537.2242	
14	357205.2581		7096532.9637	
15	357202.5433		7096532.0698	
16	357198.8021		7096531.0625	
17	357194.648		7096529.68	
18	357188.7706		7096527.4618	
19	357179.6378		7096523.7538	

20	357170.9029	7096520.2211
21	357162.128	7096516.9234
22	357156.8344	7096515.1497
23	357151.1362	7096513.5247
24	357145.5723	7096512.3662
25	357142.0482	7096511.9624
26	357138.7268	7096511.9111
27	357134.2476	7096512.3305
28	357131.8888	7096512.7074
29	357128.628	7096513.2682
30	357125.2948	7096513.7201
31	357121.6238	7096513.8993
32	357119.45	7096513.8077
33	357116.0875	7096513.3743
34	357111.6238	7096512.385
35	357107.5112	7096511.1887
36	357105.7716	7096510.6698
37	357104.0335	7096510.1436
38	357102.2985	7096509.6026
39	357100.568	7096509.0395
40	357098.8436	7096508.4469
41	357096.9035	7096507.7321
42	357095.4184	7096507.1487
43	357093.7132	7096506.4679
44	357092.0041	7096505.8131
45	357090.2842	7096505.2226
46	357087.7039	7096504.5477
47	357086.7839	7096504.385
48	357084.9959	7096504.1758
49	357083.1875	7096504.0747
50	357081.3636	7096504.0486
51	357079.5293	7096504.0642

52	357077.6899	7096504.0882
53	357075.5059	7096504.0817
54	357074.0156	7096504.0336
55	357072.1865	7096503.9353
56	357070.3629	7096503.8166
57	357068.5447	7096503.702
58	357066.7314	7096503.6156
59	357064.9229	7096503.5817
60	357063.3079	7096503.6158
61	357061.3191	7096503.7595
62	357059.5224	7096503.9749
63	357057.7281	7096504.2544
64	357055.9351	7096504.5816
65	357054.1426	7096504.9402
66	357052.3496	7096505.3137
67	357050.5551	7096505.6859
68	357048.8437	7096506.0241
69	357046.9588	7096506.3653
70	357045.1575	7096506.6658
71	357043.3561	7096506.9503
72	357041.5558	7096507.2273
73	357039.7584	7096507.5051
74	357037.9651	7096507.7924
75	357036.1776	7096508.0975
76	357034.3795	7096508.4324
77	357032.625	7096508.7936
78	357030.8609	7096509.192
79	357029.1039	7096509.6232
80	357027.3535	7096510.0861
81	357025.6089	7096510.5796
82	357023.8693	7096511.1026
83	357022.1342	7096511.654

84	357020.4026	7096512.2328
85	357018.674	7096512.8379
86	357016.9477	7096513.4683
87	357015.2228	7096514.1229
88	357014.0992	7096514.5619
89	357011.7747	7096515.4954
90	357010.0498	7096516.1959
91	357008.3231	7096516.8891
92	357006.5938	7096517.5624
93	357004.861	7096518.2033
94	357003.1238	7096518.7991
95	357001.3813	7096519.3373
96	356999.6326	7096519.8051
97	356997.8769	7096520.19
98	356996.1133	7096520.4794
99	356993.819	7096520.6914
100	356992.5587	7096520.7239
101	356990.7659	7096520.6877
102	356988.9613	7096520.5869
103	356987.144	7096520.4568
104	356985.3128	7096520.3323
105	356983.4669	7096520.2485
106	356982.3227	7096520.2325
107	356979.7332	7096520.303
108	356977.865	7096520.3841
109	356976.0152	7096520.4258
110	356974.1983	7096520.3707
111	356972.4292	7096520.1613
112	356970.8263	7096519.7736
113	356969.0856	7096519.0741
114	356967.5051	7096518.2101
115	356965.9622	7096517.2119

116	356964.4382	7096516.1433
117	356962.6019	7096514.8533
118	356961.3754	7096514.0414
119	356959.8277	7096513.0592
120	356958.2884	7096512.0894
121	356956.7746	7096511.0999
122	356954.9763	7096509.8112
123	356953.8889	7096508.9375
124	356952.5262	7096507.742
125	356951.2001	7096506.4934
126	356949.8954	7096505.2131
127	356948.0559	7096503.3888
128	356947.2898	7096502.6436
129	356945.9591	7096501.3958
130	356944.5907	7096500.1984
131	356943.5432	7096499.3544
132	356941.6936	7096498.018
133	356940.1739	7096497.0216
134	356938.6269	7096496.0595
135	356937.0685	7096495.11
136	356935.0546	7096493.8607
137	356933.9781	7096493.1632
138	356932.4599	7096492.1492
139	356930.9508	7096491.1252
140	356929.4414	7096490.1073
141	356927.9227	7096489.112
142	356926.3381	7096488.1269
143	356924.8241	7096487.2467
144	356923.2466	7096486.363
145	356921.6652	7096485.473
146	356920.0919	7096484.5452
147	356918.5543	7096483.5588

148	356917.0115	7096482.4717
149	356915.4893	7096481.3856
150	356913.9452	7096480.3799
151	356912.3523	7096479.5445
152	356910.7706	7096478.9906
153	356908.924	7096478.705
154	356907.098	7096478.6708
155	356904.5075	7096478.7993
156	356903.3789	7096478.8549
157	356901.5381	7096478.8888
158	356899.7271	7096478.8055
159	356898.2443	7096478.6079
160	356896.2311	7096478.101
161	356894.5449	7096477.4797
162	356892.8892	7096476.7263
163	356891.2555	7096475.8784
164	356889.6355	7096474.9736
165	356888.0206	7096474.0495
166	356886.6305	7096473.2687
167	356884.7747	7096472.2833
168	356883.1371	7096471.467
169	356881.4901	7096470.6892
170	356879.8344	7096469.9444
171	356878.1704	7096469.2267
172	356876.4989	7096468.5307
173	356875.0167	7096467.9294
174	356873.1356	7096467.1806
175	356871.447	7096466.5143
176	356869.7567	7096465.8455
177	356868.0672	7096465.1676
178	356866.3807	7096464.4743
179	356864.0494	7096463.4745

180	356863.0257	7096463.0168
181	356861.357	7096462.2575
182	356859.6878	7096461.5027
183	356858.0126	7096460.7746
184	356856.3259	7096460.095
185	356854.6219	7096459.4859
186	356853.0822	7096459.0197
187	356851.1423	7096458.5585
188	356849.3658	7096458.2433
189	356847.5696	7096458.0086
190	356845.7575	7096457.8395
191	356843.9333	7096457.721
192	356842.1008	7096457.6382
193	356840.2638	7096457.5761
194	356838.4261	7096457.5198
195	356836.5915	7096457.4545
196	356834.1269	7096457.3252
197	356832.9463	7096457.2371
198	356830.8476	7096457.0321
199	356829.3235	7096456.8457
200	356827.5093	7096456.5968
201	356825.6937	7096456.3369
202	356823.8777	7096456.0859
203	356822.0622	7096455.8636
204	356820.2481	7096455.6898
205	356818.4365	7096455.5843
206	356816.6281	7096455.567
207	356815.1716	7096455.6308
208	356813.0245	7096455.8609
209	356811.2283	7096456.1476
210	356809.4342	7096456.484
211	356807.6407	7096456.8359

212	356806.3783	7096457.0746
213	356804.0509	7096457.4699
214	356802.2545	7096457.7517
215	356802.0834	7096457.6565
216	356799.1847	7096455.6176
217	356795.8566	7096452.4175
218	356794.4047	7096450.4293
219	356792.8306	7096447.081
220	356792.2803	7096444.721
221	356792.171	7096441.3186
222	356792.8032	7096437.3068
223	356793.0348	7096436.377
224	356793.5841	7096434.4839
225	356794.1213	7096432.8773
226	356795.5153	7096429.276
227	356809.3504	7096398.0153
228	356809.6477	7096397.3095
229	356810.9399	7096395.217
230	356811.9177	7096393.9037
231	356812.8283	7096392.8542
232	356813.9433	7096391.684
233	356814.8659	7096390.7889
234	356816.1017	7096389.758
235	356817.3399	7096388.8353
236	356818.0368	7096388.3802
237	356819.7558	7096387.3586
238	356821.0195	7096386.7456
239	356822.8128	7096386.0119
240	356823.9323	7096385.6112
241	356824.7964	7096385.3511
242	356825.6419	7096385.1282
243	356826.441	7096384.9704

244	356827.4167	7096384.7753
245	356828.5173	7096384.6265
246	356829.6973	7096384.515
247	356830.6079	7096384.4686
248	356831.7229	7096384.4593
249	356832.6242	7096384.4686
250	356833.8229	7096384.5522
251	356834.7384	7096384.6463
252	356835.7419	7096384.8227
253	356837.0055	7096385.0549
254	356838.6243	7096385.4903
255	356841.1699	7096386.4005
256	357190.8796	7096507.186

Polígono 43

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Canteiro de obras	Servidão Administrativa	0.38671227	Fabiano Ziebarth Leinig	ART Nº 1720212799480

Vértice	Coordenada E (m)	Coordenada N (m)
0	356896.721	7096367.29
1	356897.58	7096364.997
2	356860.172	7096327.509
3	356857.429	7096325.213
4	356854.321	7096323.442
5	356835.141	7096314.684
6	356815.961	7096305.927
7	356814.863	7096305.505
8	356813.451	7096305.412
9	356812.339	7096305.69
10	356811.135	7096306.269
11	356810.139	7096307.125
12	356809.336	7096308.398

13	356807.259	7096312.946
14	356806.433	7096314.412
15	356805.264	7096315.799
16	356804.271	7096316.66
17	356803.128	7096317.396
18	356801.989	7096317.921
19	356800.923	7096318.272
20	356799.769	7096318.491
21	356798.816	7096318.563
22	356798.047	7096318.553
23	356797.34	7096318.494
24	356796.938	7096318.432
25	356796.521	7096318.356
26	356796.067	7096318.244
27	356795.753	7096318.161
28	356795.274	7096318.003
29	356794.475	7096317.675
30	356792.833	7096320.59
31	356802.978	7096351.583
32	356803.508	7096352.959
33	356799.114	7096357.864
34	356807.658	7096362.275
35	356809.735	7096358.27
36	356846.805	7096369.127
37	356847.591	7096369.318
38	356848.154	7096369.427
39	356848.917	7096369.494
40	356849.529	7096369.524
41	356850.09	7096369.518
42	356896.721	7096367.29

Polígono 44

UF	Código Município	Empreendimento	Sistema de Referência	Fuso
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PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Casa de Força	Desapropriação	2.09000126	Fabiano Ziebarth Leinig	ART Nº 1720212799480
Vértice	Coordenada E (m)		Coordenada N (m)	
0	356451.387		7096136.565	
1	356410.74		7096139.173	
2	356379.415		7096141.183	
3	356361.212		7096143.284	
4	356282.061		7096227.064	
5	356292.861		7096225.764	
6	356309.291		7096223.854	
7	356320.531		7096224.094	
8	356332.621		7096229.524	
9	356332.421		7096240.274	
10	356337.991		7096250.774	
11	356357.201		7096252.124	
12	356357.601		7096271.464	
13	356372.691		7096294.664	
14	356392.251		7096296.654	
15	356398.661		7096284.914	
16	356408.081		7096284.904	
17	356419.721		7096298.434	
18	356427.141		7096323.164	
19	356434.421		7096338.065	
20	356448.691		7096337.149	
21	356471.845		7096335.664	
22	356451.387		7096136.565	
Polígono 45				
UF	Código Município	Empreendimento	Sistema de Referência	Fuso
PR	4105706	PCH SAO LUIS	SIRGAS2000	UTM 22 S (MER - 51)
Estruturas de adução	Desapropriação	18.589809	Fabiano Ziebarth Leinig	ART Nº 1720212799480

Vértice	Coordenada E (m)	Coordenada N (m)
0	356471.845	7096335.664
1	356451.387	7096136.565
2	356478.583	7096134.82
3	356513.848	7096149.318
4	356550.921	7096146.393
5	356561.821	7096145.091
6	356571.812	7096143.897
7	356574.142	7096143.463
8	356578.234	7096142.701
9	356581.699	7096141.998
10	356584.532	7096141.422
11	356591.655	7096139.724
12	356597.415	7096139.206
13	356598.67	7096138.879
14	356602.038	7096138.054
15	356626.909	7096121.486
16	356684.881	7096124.745
17	356690.688	7096123.942
18	356694.342	7096122.539
19	356701.47	7096119.803
20	356708.036	7096116.932
21	356725.031	7096109.558
22	356732.812	7096106.205
23	356753.237	7096096.58
24	356758.757	7096093.204
25	356772.522	7096088.728
26	356777.537	7096087.097
27	356781.379	7096085.777
28	356789.549	7096082.905
29	356800.062	7096079.114
30	356808.15	7096077.713

31	356825.495	7096074.809
32	356838.59	7096073.195
33	356845.064	7096071.204
34	356859.993	7096066.509
35	356875.342	7096062.754
36	356893.533	7096055.251
37	356915.312	7096046.232
38	356927.706	7096039.363
39	356951.424	7096027.678
40	356976.088	7096015.527
41	356989.672	7096010.09
42	356999.888	7096006.001
43	357017.418	7095998.529
44	357023.361	7095995.817
45	357048.384	7095984.911
46	357064.099	7095978.05
47	357076.655	7095972.374
48	357105.269	7095962.61
49	357112.124	7095960.061
50	357118.265	7095957.796
51	357116.729	7095958.359
52	357150.553	7095946.022
53	357166.877	7095944.169
54	357184.229	7095942.352
55	357195.264	7095941.02
56	357303.353	7095927.304
57	357306.918	7095926.621
58	357358.495	7095917.982
59	357399.938	7095915.048
60	357408.994	7095913.899
61	357420.812	7095913.571
62	357416.351	7095922.744

63	357412.351	7095937.724
64	357409.321	7095947.214
65	357406.691	7095960.404
66	357396.344	7095979.805
67	357396.711	7095993.544
68	357397.931	7096004.624
69	357397.231	7096016.524
70	357404.761	7096024.854
71	357405.561	7096030.634
72	357421.971	7096040.794
73	357429.081	7096052.614
74	357430.653	7096056.022
75	357210.433	7096144.443
76	357209.783	7096144.814
77	357201.333	7096148.466
78	357199.108	7096149.427
79	357193.022	7096152.617
80	357177.355	7096159.884
81	357167.827	7096163.414
82	357161.676	7096165.693
83	357145.264	7096171.774
84	357114.389	7096183.214
85	357106.006	7096185.907
86	357091.985	7096190.384
87	357079.232	7096194.589
88	357065.896	7096198.987
89	357054.742	7096202.574
90	357041.86	7096206.717
91	357036.467	7096208.117
92	357029.483	7096209.93
93	357021.213	7096211.196
94	356966.436	7096217.851

95	356962.024	7096219.844
96	356955.878	7096222.449
97	356948.49	7096225.581
98	356928.026	7096232.832
99	356912.853	7096238.209
100	356912.125	7096238.546
101	356907.895	7096240.506
102	356903.199	7096242.612
103	356898.113	7096244.893
104	356891.72	7096247.577
105	356886.523	7096249.759
106	356881.467	7096252.799
107	356872.773	7096257.796
108	356863.147	7096262.982
109	356857.616	7096265.956
110	356836.09	7096277.531
111	356819.159	7096285.696
112	356810.449	7096288.029
113	356798.86	7096291.335
114	356792.031	7096293.359
115	356785.266	7096295.363
116	356776.963	7096297.932
117	356767.46	7096300.872
118	356749.853	7096305.889
119	356730.708	7096309.488
120	356712.959	7096310.967
121	356707.896	7096311.042
122	356706.51	7096311.57
123	356694.247	7096315.189
124	356674.543	7096318.857
125	356671.216	7096318.341
126	356605.129	7096308.019

127	356604.074	7096308.007
128	356596.674	7096307.773
129	356592.408	7096307.539
130	356587.58	7096307.266
131	356530.65	7096330.946
132	356530.563	7096330.954
133	356515.003	7096332.353
134	356493.943	7096334.246
135	356471.845	7096335.664