

AGÊNCIA NACIONAL DE ENERGIA ELÉTRICA – ANEEL

RESOLUÇÃO AUTORIZATIVA Nº 7.178, DE 24 DE JULHO DE 2018.

Declara de utilidade pública, em favor da Sudoeste Energia Ltda., as áreas de terra necessárias à implantação da Pequena Central Hidrelétrica Vila Galupo, localizada nos municípios de Bom Sucesso do Sul e Francisco Beltrão, no estado do Paraná.

[Texto Original](#)

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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 4.932, de 23 de dezembro de 2003, com redação dada pelo Decreto nº 4.970, de 30 de janeiro de 2004, na Resolução Normativa nº 740, de 11 de outubro de 2016, e o que consta do Processo nº. 48500.002049/2018-20, resolve:

Art. 1º Declarar de utilidade pública, para fins de desapropriação e servidão administrativa, em favor da Sudoeste Energia Ltda., inscrita no CNPJ/MF sob o nº 05.093.515/0001-05, com sede na Localidade Vila Santana, km 81, s/nº, no município de Bom Sucesso do Sul, estado do Paraná, as áreas que perfazem um polígono de 137,1648 ha (cento e trinta e sete hectares, dezesseis ares e quarenta e oito centiares) localizadas nos municípios de Sucesso do Sul e Francisco Beltrão, no estado do Paraná, necessárias à implantação da PCH Vila Galupo, empreendimento cadastrado sob o Código Único de Empreendimentos de Geração (CEG) PCH.PH.PR.037822-4.01.

§ 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 desta Resolução.

§ 2º A Sudoeste Energia Ltda. deverá fiscalizar as terras destinadas à implantação da PCH Vila Galupo, promovendo sua gestão sócio-patrimonial.

Art. 2º Em relação às propriedades privadas referidas no art. 1º, a Sudoeste Energia 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 no polígono referido no art. 1º, a DUP denota afetação específica de geração de energia elétrica, cabendo à Sudoeste Energia Ltda. a postulação de instrumentos que permitam o pretendido uso.

§1º A declaração de utilidade pública das áreas públicas não confere poderes expropriatórios à Sudoeste Energia 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 Sudoeste Energia Ltda., nos termos da Lei nº 9.636, de 15 de maio de 1998.

Art. 4º A Sudoeste Energia 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 nº [740](#), de 11 de outubro de 2016, 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 Sudoeste Energia 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](http://www.aneel.gov.br).

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

ROMEU DONIZETE RUFINO

ANEXO DA RESOLUÇÃO AUTORIZATIVA Nº 7.178, DE 24 DE JULHO DE 2018

DECLARAÇÃO DE UTILIDADE PÚBLICA  
Memorial Descritivo

Polígono 01					
UF	Código Município	Empreendimento	Sistema de Referência	Fuso	Destinação
PR	4103222	PCH Vila Galupo	SIRGAS2000	UTM 22 S (MER 51)	Reservatório
Tipo de DUP		Área (hectares)	Responsável Técnico	Nº ART/RRT correspondente	
Desapropriação		12,6826	Alberto de Andrade Pinto	20170777415	
Vértice		Coordenada N (m)		Coordenada E (m)	
0=PP		7.116.210,58		307.491,72	
1		7.116.222,11		307.491,72	
2		7.116.222,17		307.492,51	
3		7.116.222,39		307.494,80	
4		7.116.222,65		307.497,34	
5		7.116.222,95		307.500,07	
6		7.116.223,28		307.502,92	
7		7.116.223,64		307.505,81	
8		7.116.224,01		307.508,68	
9		7.116.224,40		307.511,45	
10		7.116.224,79		307.514,08	
11		7.116.225,17		307.516,55	
12		7.116.225,49		307.518,92	
13		7.116.225,73		307.521,18	
14		7.116.225,87		307.523,38	
15		7.116.225,87		307.525,52	
16		7.116.225,71		307.527,65	
17		7.116.225,36		307.529,77	
18		7.116.224,79		307.531,92	
19		7.116.224,03		307.534,08	
20		7.116.223,10		307.536,27	
21		7.116.222,02		307.538,49	
22		7.116.220,83		307.540,73	
23		7.116.219,55		307.543,00	
24		7.116.218,20		307.545,29	
25		7.116.216,81		307.547,61	
26		7.116.215,40		307.549,96	
27		7.116.213,99		307.552,33	
28		7.116.212,58		307.554,70	
29		7.116.211,18		307.557,09	
30		7.116.209,79		307.559,48	

31	7.116.208,43	307.561,86
32	7.116.207,09	307.564,22
33	7.116.205,79	307.566,57
34	7.116.204,54	307.568,89
35	7.116.203,33	307.571,19
36	7.116.202,15	307.573,46
37	7.116.201,01	307.575,72
38	7.116.199,91	307.577,95
39	7.116.198,84	307.580,17
40	7.116.197,79	307.582,38
41	7.116.196,77	307.584,57
42	7.116.195,78	307.586,76
43	7.116.194,80	307.588,93
44	7.116.193,86	307.591,07
45	7.116.192,94	307.593,17
46	7.116.192,06	307.595,24
47	7.116.191,21	307.597,25
48	7.116.190,40	307.599,21
49	7.116.189,62	307.601,09
50	7.116.188,89	307.602,91
51	7.116.188,18	307.604,65
52	7.116.187,51	307.606,32
53	7.116.186,86	307.607,93
54	7.116.186,24	307.609,48
55	7.116.185,62	307.610,97
56	7.116.185,02	307.612,40
57	7.116.184,42	307.613,78
58	7.116.183,82	307.615,11
59	7.116.183,22	307.616,40
60	7.116.182,63	307.617,64
61	7.116.182,05	307.618,83
62	7.116.181,48	307.619,98
63	7.116.180,92	307.621,07
64	7.116.180,38	307.622,13
65	7.116.179,86	307.623,13
66	7.116.179,37	307.624,10
67	7.116.178,88	307.625,04
68	7.116.178,37	307.625,99
69	7.116.177,83	307.626,96
70	7.116.177,24	307.627,99
71	7.116.176,58	307.629,09
72	7.116.175,83	307.630,29
73	7.116.174,96	307.631,62
74	7.116.173,97	307.633,08
75	7.116.172,89	307.634,68
76	7.116.171,72	307.636,39
77	7.116.170,52	307.638,19
78	7.116.169,29	307.640,08

79	7.116.168,08	307.642,02
80	7.116.166,90	307.644,01
81	7.116.165,79	307.646,02
82	7.116.164,77	307.648,03
83	7.116.163,83	307.650,04
84	7.116.162,98	307.652,01
85	7.116.162,21	307.653,94
86	7.116.161,51	307.655,79
87	7.116.160,87	307.657,55
88	7.116.160,30	307.659,21
89	7.116.159,78	307.660,73
90	7.116.159,31	307.662,12
91	7.116.158,87	307.663,40
92	7.116.158,46	307.664,59
93	7.116.158,07	307.665,74
94	7.116.157,68	307.666,89
95	7.116.157,28	307.668,06
96	7.116.156,86	307.669,28
97	7.116.156,42	307.670,61
98	7.116.155,94	307.672,05
99	7.116.155,42	307.673,60
100	7.116.154,87	307.675,24
101	7.116.154,30	307.676,95
102	7.116.153,70	307.678,70
103	7.116.153,08	307.680,48
104	7.116.152,44	307.682,27
105	7.116.151,80	307.684,05
106	7.116.151,15	307.685,79
107	7.116.150,49	307.687,51
108	7.116.149,82	307.689,22
109	7.116.149,13	307.690,92
110	7.116.148,43	307.692,63
111	7.116.147,70	307.694,35
112	7.116.146,95	307.696,09
113	7.116.146,17	307.697,87
114	7.116.145,36	307.699,69
115	7.116.144,53	307.701,55
116	7.116.143,68	307.703,45
117	7.116.142,81	307.705,38
118	7.116.141,93	307.707,34
119	7.116.141,05	307.709,33
120	7.116.140,17	307.711,34
121	7.116.139,29	307.713,36
122	7.116.138,43	307.715,40
123	7.116.137,58	307.717,46
124	7.116.136,74	307.719,56
125	7.116.135,91	307.721,70
126	7.116.135,08	307.723,89

127	7.116.134,27	307.726,13
128	7.116.133,46	307.728,45
129	7.116.132,65	307.730,85
130	7.116.131,85	307.733,33
131	7.116.131,03	307.735,91
132	7.116.130,45	307.737,59
133	7.116.130,14	307.738,04
134	7.116.129,59	307.738,63
135	7.116.128,51	307.740,96
136	7.116.127,59	307.742,31
137	7.116.125,62	307.744,28
138	7.116.124,90	307.745,45
139	7.116.123,06	307.751,62
140	7.116.122,93	307.751,72
141	7.116.122,99	307.751,71
142	7.116.122,71	307.753,87
143	7.116.123,71	307.758,59
144	7.116.125,17	307.767,12
145	7.116.125,21	307.767,38
146	7.116.121,28	307.773,19
147	7.116.120,67	307.774,23
148	7.116.119,98	307.775,18
149	7.116.119,11	307.776,09
150	7.116.112,28	307.781,73
151	7.116.110,58	307.784,85
152	7.116.108,89	307.787,80
153	7.116.107,23	307.790,59
154	7.116.105,59	307.793,23
155	7.116.103,98	307.795,74
156	7.116.102,40	307.798,12
157	7.116.100,86	307.800,38
158	7.116.099,35	307.802,53
159	7.116.097,88	307.804,59
160	7.116.096,46	307.806,55
161	7.116.095,12	307.808,38
162	7.116.093,85	307.810,08
163	7.116.092,67	307.811,65
164	7.116.091,60	307.813,05
165	7.116.090,65	307.814,30
166	7.116.089,83	307.815,36
167	7.116.089,16	307.816,25
168	7.116.088,60	307.816,98
169	7.116.088,13	307.817,59
170	7.116.087,73	307.818,12
171	7.116.087,36	307.818,60
172	7.116.086,99	307.819,07
173	7.116.086,61	307.819,56
174	7.116.086,17	307.820,12

175	7.116.085,67	307.820,76
176	7.116.085,11	307.821,48
177	7.116.084,51	307.822,29
178	7.116.083,90	307.823,16
179	7.116.083,29	307.824,10
180	7.116.082,71	307.825,08
181	7.116.082,17	307.826,12
182	7.116.081,70	307.827,19
183	7.116.081,31	307.828,28
184	7.116.080,99	307.829,38
185	7.116.080,75	307.830,47
186	7.116.080,56	307.831,51
187	7.116.080,42	307.832,50
188	7.116.080,32	307.833,41
189	7.116.080,24	307.834,22
190	7.116.080,19	307.834,90
191	7.116.080,15	307.835,44
192	7.116.080,11	307.835,86
193	7.116.080,09	307.836,17
194	7.116.080,07	307.836,39
195	7.116.080,05	307.836,54
196	7.116.080,03	307.836,64
197	7.116.080,02	307.836,71
198	7.116.080,00	307.836,77
199	7.116.079,98	307.836,84
200	7.116.079,94	307.836,93
201	7.116.079,88	307.837,08
202	7.116.079,76	307.837,30
203	7.116.079,59	307.837,62
204	7.116.079,35	307.838,06
205	7.116.079,01	307.838,64
206	7.116.078,57	307.839,38
207	7.116.078,02	307.840,30
208	7.116.077,35	307.841,38
209	7.116.076,57	307.842,61
210	7.116.075,66	307.843,96
211	7.116.074,77	307.845,22
212	7.116.034,50	307.876,37
213	7.116.026,37	307.885,84
214	7.116.002,67	307.914,15
215	7.115.993,44	307.935,63
216	7.115.978,26	307.957,44
217	7.115.949,86	307.958,77
218	7.115.927,63	307.965,11
219	7.115.909,62	307.979,69
220	7.115.886,24	308.007,98
221	7.115.886,07	308.023,15
222	7.115.865,48	308.039,29

223	7.115.843,86	308.063,53
224	7.115.824,62	308.078,40
225	7.115.807,50	308.089,75
226	7.115.788,96	308.103,09
227	7.115.776,76	308.121,06
228	7.115.764,02	308.148,02
229	7.115.746,58	308.171,52
230	7.115.731,56	308.187,67
231	7.115.725,61	308.205,36
232	7.115.710,15	308.220,38
233	7.115.696,76	308.231,27
234	7.115.678,20	308.243,75
235	7.115.649,30	308.256,86
236	7.115.630,77	308.265,21
237	7.115.608,17	308.274,64
238	7.115.585,27	308.283,24
239	7.115.566,86	308.288,89
240	7.115.545,72	308.296,36
241	7.115.525,20	308.301,70
242	7.115.498,60	308.302,92
243	7.115.473,19	308.303,10
244	7.115.441,60	308.296,80
245	7.115.427,51	308.296,14
246	7.115.410,05	308.297,15
247	7.115.381,00	308.303,66
248	7.115.343,97	308.310,02
249	7.115.320,15	308.314,43
250	7.115.284,86	308.317,98
251	7.115.258,83	308.333,29
252	7.115.231,28	308.348,12
253	7.115.213,97	308.365,86
254	7.115.202,64	308.375,85
255	7.115.190,87	308.374,07
256	7.115.158,88	308.373,40
257	7.115.144,78	308.346,13
258	7.115.114,73	308.341,45
259	7.115.082,86	308.342,77
260	7.115.063,71	308.341,07
261	7.115.030,30	308.335,42
262	7.115.002,51	308.334,86
263	7.114.973,96	308.331,44
264	7.114.938,54	308.311,97
265	7.114.914,82	308.292,43
266	7.114.900,25	308.270,27
267	7.114.882,07	308.238,14
268	7.114.865,27	308.220,06
269	7.114.844,75	308.196,06
270	7.114.821,70	308.188,24



271	7.114.792,74	308.188,34
272	7.114.770,56	308.189,36
273	7.114.747,43	308.195,60
274	7.114.727,24	308.207,47
275	7.114.701,34	308.212,49
276	7.114.679,36	308.211,52
277	7.114.663,53	308.200,52
278	7.114.681,76	308.177,12
279	7.114.708,10	308.148,02
280	7.114.738,73	308.129,60
281	7.114.769,15	308.116,17
282	7.114.794,75	308.099,25
283	7.114.815,93	308.085,27
284	7.114.838,61	308.071,37
285	7.114.839,75	308.047,91
286	7.114.828,81	308.027,95
287	7.114.817,92	307.997,19
288	7.114.806,50	307.976,09
289	7.114.794,55	307.952,25
290	7.114.779,10	307.930,56
291	7.114.764,19	307.906,13
292	7.114.754,73	307.884,16
293	7.114.739,96	307.856,31
294	7.114.729,88	307.827,44
295	7.114.718,97	307.798,62
296	7.114.701,92	307.769,40
297	7.114.690,66	307.755,16
298	7.114.692,26	307.737,02
299	7.114.707,69	307.718,26
300	7.114.723,00	307.683,34
301	7.114.732,30	307.653,46
302	7.114.738,82	307.627,00
303	7.114.749,25	307.603,43
304	7.114.758,09	307.577,56
305	7.114.776,69	307.557,63
306	7.114.797,30	307.541,10
307	7.114.814,52	307.520,33
308	7.114.831,58	307.500,14
309	7.114.844,04	307.478,33
310	7.114.856,41	307.457,13
311	7.114.867,66	307.431,00
312	7.114.876,98	307.409,02
313	7.114.879,36	307.384,28
314	7.114.878,58	307.356,31
315	7.114.899,86	307.337,62
316	7.114.915,44	307.313,36
317	7.114.922,23	307.285,63
318	7.114.947,44	307.272,15

319	7.114.962,55	307.243,56
320	7.114.976,80	307.218,56
321	7.114.982,16	307.191,52
322	7.114.988,27	307.156,61
323	7.114.973,11	307.120,34
324	7.114.957,81	307.114,54
325	7.114.928,92	307.088,07
326	7.114.937,19	307.065,83
327	7.114.949,41	307.045,76
328	7.114.956,71	307.020,07
329	7.114.948,09	306.999,27
330	7.114.922,61	307.000,30
331	7.114.898,22	307.004,67
332	7.114.866,21	307.003,62
333	7.114.846,14	307.025,44
334	7.114.833,79	307.048,47
335	7.114.808,16	307.070,54
336	7.114.793,86	307.078,89
337	7.114.770,45	307.089,24
338	7.114.751,23	307.109,90
339	7.114.742,10	307.105,88
340	7.114.743,17	307.083,11
341	7.114.752,63	307.068,37
342	7.114.774,45	307.041,38
343	7.114.798,18	307.016,65
344	7.114.819,22	306.993,23
345	7.114.843,74	306.968,01
346	7.114.865,77	306.956,23
347	7.114.892,45	306.945,68
348	7.114.922,14	306.943,90
349	7.114.957,36	306.949,66
350	7.114.994,70	306.958,52
351	7.115.027,92	306.961,13
352	7.115.033,06	306.927,66
353	7.115.022,01	306.899,29
354	7.115.013,10	306.870,66
355	7.115.005,01	306.840,35
356	7.114.993,51	306.813,76
357	7.114.988,08	306.783,39
358	7.114.984,87	306.751,49
359	7.114.988,49	306.720,10
360	7.114.993,28	306.691,53
361	7.114.998,99	306.660,87
362	7.115.000,37	306.632,12
363	7.115.001,68	306.596,54
364	7.115.015,50	306.567,74
365	7.115.007,74	306.540,37
366	7.114.996,88	306.522,47

367	7.114.978,46	306.498,39
368	7.114.960,06	306.470,86
369	7.114.943,60	306.451,42
370	7.114.921,32	306.438,07
371	7.114.893,52	306.427,99
372	7.114.867,87	306.420,80
373	7.114.837,44	306.408,54
374	7.114.815,13	306.395,11
375	7.114.793,31	306.392,31
376	7.114.764,17	306.371,62
377	7.114.731,43	306.352,08
378	7.114.708,63	306.339,68
379	7.114.680,57	306.319,44
380	7.114.656,82	306.315,39
381	7.114.651,36	306.321,64
382	7.114.631,65	306.294,02
383	7.114.603,09	306.279,22
384	7.114.580,47	306.262,57
385	7.114.565,39	306.250,26
386	7.114.536,37	306.233,15
387	7.114.504,98	306.227,68
388	7.114.472,31	306.227,02
389	7.114.436,50	306.225,06
390	7.114.404,77	306.217,58
391	7.114.374,75	306.212,59
392	7.114.343,98	306.202,43
393	7.114.314,98	306.190,69
394	7.114.289,82	306.174,60
395	7.114.255,85	306.162,08
396	7.114.227,59	306.158,10
397	7.114.193,98	306.154,91
398	7.114.173,84	306.156,92
399	7.114.139,51	306.155,91
400	7.114.110,14	306.161,81
401	7.114.083,80	306.162,97
402	7.114.051,41	306.165,61
403	7.114.021,47	306.169,82
404	7.114.016,81	306.189,29
405	7.114.012,67	306.197,68
406	7.114.010,15	306.179,96
407	7.113.994,96	306.183,77
408	7.114.015,46	306.162,74
409	7.113.985,58	306.161,67
410	7.113.955,94	306.168,67
411	7.113.934,28	306.171,30
412	7.113.904,89	306.176,58
413	7.113.875,03	306.177,07
414	7.113.841,91	306.180,14

415	7.113.811,86	306.181,85
416	7.113.786,84	306.185,31
417	7.113.759,78	306.179,37
418	7.113.727,38	306.174,41
419	7.113.693,12	306.163,83
420	7.113.662,56	306.158,31
421	7.113.632,77	306.155,31
422	7.113.629,27	306.152,47
423	7.113.633,35	306.154,35
424	7.113.669,64	306.157,45
425	7.113.736,78	306.167,90
426	7.113.786,14	306.183,10
427	7.113.905,61	306.172,41
428	7.113.943,50	306.168,93
429	7.113.983,55	306.160,35
430	7.114.012,14	306.155,81
431	7.114.021,55	306.160,01
432	7.114.073,01	306.160,35
433	7.114.111,59	306.157,51
434	7.114.139,72	306.154,62
435	7.114.194,09	306.153,17
436	7.114.227,91	306.155,31
437	7.114.284,86	306.168,16
438	7.114.314,20	306.170,68
439	7.114.358,89	306.185,23
440	7.114.412,01	306.198,40
441	7.114.470,10	306.215,84
442	7.114.511,47	306.222,81
443	7.114.535,15	306.227,97
444	7.114.558,21	306.240,26
445	7.114.580,16	306.258,18
446	7.114.664,47	306.309,00
447	7.114.696,86	306.324,35
448	7.114.712,38	306.331,97
449	7.114.726,88	306.334,54
450	7.114.737,74	306.337,06
451	7.114.745,54	306.341,51
452	7.114.747,66	306.348,90
453	7.114.745,64	306.355,85
454	7.114.749,24	306.361,40
455	7.114.768,33	306.368,08
456	7.114.783,33	306.373,33
457	7.114.807,03	306.376,05
458	7.114.856,48	306.398,04
459	7.114.902,17	306.424,04
460	7.114.941,27	306.445,91
461	7.114.967,18	306.473,81
462	7.114.999,23	306.518,74

463	7.115.020,93	306.567,23
464	7.115.017,04	306.622,17
465	7.115.005,63	306.693,12
466	7.114.998,22	306.774,82
467	7.115.001,15	306.805,73
468	7.115.011,03	306.837,66
469	7.115.042,40	306.931,36
470	7.115.044,76	306.957,18
471	7.115.038,32	306.971,72
472	7.115.020,02	306.974,16
473	7.115.011,03	306.974,16
474	7.115.001,26	306.981,34
475	7.114.997,35	307.002,72
476	7.114.989,76	307.018,29
477	7.114.974,76	307.032,94
478	7.114.951,54	307.050,38
479	7.114.942,60	307.064,86
480	7.114.937,49	307.074,84
481	7.114.932,55	307.089,97
482	7.114.957,38	307.110,59
483	7.114.981,27	307.121,89
484	7.115.002,33	307.136,30
485	7.115.019,12	307.157,08
486	7.115.023,30	307.170,30
487	7.115.025,94	307.184,58
488	7.115.020,30	307.192,79
489	7.115.007,24	307.196,07
490	7.114.993,47	307.190,75
491	7.114.987,13	307.206,98
492	7.114.990,42	307.235,52
493	7.114.988,40	307.248,32
494	7.114.979,73	307.277,36
495	7.114.960,18	307.348,43
496	7.114.937,65	307.399,19
497	7.114.919,66	307.436,82
498	7.114.890,47	307.495,07
499	7.114.846,90	307.565,83
500	7.114.813,98	307.624,83
501	7.114.777,10	307.681,75
502	7.114.748,85	307.727,86
503	7.114.733,22	307.757,29
504	7.114.725,76	307.786,33
505	7.114.735,98	307.824,37
506	7.114.752,75	307.864,37
507	7.114.771,86	307.901,01
508	7.114.803,49	307.944,10
509	7.114.817,14	307.973,41
510	7.114.845,62	308.012,32

511	7.114.869,45	308.046,78
512	7.114.887,27	308.088,87
513	7.114.902,17	308.123,17
514	7.114.903,68	308.160,35
515	7.114.904,76	308.202,87
516	7.114.904,09	308.228,46
517	7.114.913,43	308.257,91
518	7.114.920,52	308.284,85
519	7.114.940,96	308.304,76
520	7.114.954,65	308.317,12
521	7.114.977,89	308.329,52
522	7.115.020,81	308.331,45
523	7.115.065,11	308.333,42
524	7.115.112,11	308.329,27
525	7.115.162,14	308.321,92
526	7.115.233,15	308.311,79
527	7.115.283,96	308.305,05
528	7.115.334,68	308.298,75
529	7.115.411,43	308.280,71
530	7.115.454,90	308.270,41
531	7.115.508,39	308.260,19
532	7.115.562,77	308.246,85
533	7.115.586,05	308.242,05
534	7.115.592,99	308.240,25
535	7.115.623,54	308.232,46
536	7.115.633,68	308.228,76
537	7.115.650,28	308.225,61
538	7.115.669,24	308.215,79
539	7.115.696,55	308.204,27
540	7.115.698,99	308.201,23
541	7.115.722,61	308.178,83
542	7.115.745,50	308.155,23
543	7.115.762,45	308.126,94
544	7.115.783,93	308.096,18
545	7.115.823,35	308.048,12
546	7.115.867,61	307.998,90
547	7.115.884,03	307.979,03
548	7.115.909,09	307.961,52
549	7.115.959,09	307.927,33
550	7.115.986,71	307.903,48
551	7.116.029,75	307.866,67
552	7.116.051,32	307.842,63
553	7.116.087,64	307.790,71
554	7.116.120,89	307.733,06
555	7.116.141,41	307.682,38
556	7.116.157,78	307.641,94
557	7.116.160,28	307.636,59
558	7.116.162,63	307.631,54

559	7.116.170,41	307.614,84
560	7.116.183,14	307.587,39
561	7.116.193,64	307.561,89
562	7.116.205,07	307.534,80
563	7.116.206,57	307.530,53
564	7.116.208,00	307.524,45
565	7.116.208,70	307.518,01
566	7.116.208,71	307.513,84
567	7.116.210,82	307.495,85
0=PP	7.116.210,58	307.491,72

Polígono 02					
UF	Código Município	Empreendimento	Sistema de Referência	Fuso	Destinação
PR	4108403	PCH Vila Galupo	SIRGAS2000	UTM 22 S (MER 51)	Reservatório
Tipo de DUP		Área (hectares)	Responsável Técnico	Nº ART/RRT correspondente	
Desapropriação		12,0950	Alberto de Andrade Pinto	20170777415	
Vértice		Coordenada N (m)		Coordenada E (m)	
0=PP		7.116.152,30		307.511,61	
1		7.116.121,13		307.507,47	
2		7.116.118,98		307.518,77	
3		7.116.116,36		307.530,06	
4		7.116.113,25		307.541,13	
5		7.116.109,74		307.551,86	
6		7.116.105,98		307.562,14	
7		7.116.102,09		307.571,84	
8		7.116.098,21		307.580,86	
9		7.116.094,47		307.589,07	
10		7.116.091,01		307.596,37	
11		7.116.087,95		307.602,63	
12		7.116.085,40		307.607,79	
13		7.116.083,33		307.611,95	
14		7.116.081,68		307.615,23	
15		7.116.080,37		307.617,77	
16		7.116.079,36		307.619,73	
17		7.116.078,57		307.621,22	
18		7.116.077,93		307.622,39	
19		7.116.077,40		307.623,38	
20		7.116.076,91		307.624,31	
21		7.116.076,39		307.625,32	
22		7.116.075,80		307.626,52	
23		7.116.075,08		307.628,02	
24		7.116.074,18		307.629,94	

25	7.116.073,04	307.632,40
26	7.116.071,61	307.635,53
27	7.116.069,84	307.639,42
28	7.116.067,69	307.644,15
29	7.116.065,24	307.649,55
30	7.116.062,59	307.655,39
31	7.116.059,85	307.661,43
32	7.116.057,11	307.667,47
33	7.116.054,48	307.673,26
34	7.116.052,06	307.678,59
35	7.116.049,95	307.683,23
36	7.116.048,21	307.687,02
37	7.116.046,75	307.690,12
38	7.116.045,45	307.692,75
39	7.116.044,17	307.695,12
40	7.116.042,79	307.697,48
41	7.116.041,18	307.700,03
42	7.116.039,20	307.703,00
43	7.116.036,74	307.706,63
44	7.116.033,71	307.711,04
45	7.116.030,21	307.716,12
46	7.116.026,38	307.721,65
47	7.116.022,39	307.727,41
48	7.116.018,38	307.733,19
49	7.116.014,49	307.738,78
50	7.116.010,89	307.743,98
51	7.116.007,71	307.748,57
52	7.116.005,05	307.752,39
53	7.116.002,85	307.755,53
54	7.116.000,96	307.758,15
55	7.115.999,25	307.760,38
56	7.115.997,60	307.762,38
57	7.115.995,87	307.764,28
58	7.115.993,93	307.766,24
59	7.115.991,66	307.768,40
60	7.115.988,96	307.770,87
61	7.115.985,08	307.773,38
62	7.115.981,18	307.775,77
63	7.115.961,52	307.791,21
64	7.115.940,74	307.805,19
65	7.115.908,61	307.800,16
66	7.115.885,86	307.801,01
67	7.115.873,42	307.809,55
68	7.115.870,35	307.829,63
69	7.115.854,49	307.847,41
70	7.115.842,53	307.867,62
71	7.115.838,26	307.903,41



72	7.115.829,76	307.920,55
73	7.115.809,87	307.928,97
74	7.115.789,84	307.932,67
75	7.115.788,20	307.953,13
76	7.115.780,92	307.970,97
77	7.115.765,14	307.985,92
78	7.115.753,64	308.003,77
79	7.115.739,05	308.020,65
80	7.115.726,99	308.038,80
81	7.115.708,87	308.039,39
82	7.115.695,30	308.036,41
83	7.115.691,63	308.058,92
84	7.115.693,58	308.086,50
85	7.115.689,69	308.107,95
86	7.115.673,94	308.123,48
87	7.115.654,36	308.135,82
88	7.115.633,13	308.144,32
89	7.115.612,38	308.150,47
90	7.115.592,83	308.162,60
91	7.115.575,96	308.170,97
92	7.115.558,29	308.175,93
93	7.115.537,46	308.180,39
94	7.115.518,45	308.183,24
95	7.115.501,04	308.186,96
96	7.115.486,99	308.188,28
97	7.115.465,96	308.191,65
98	7.115.446,85	308.196,15
99	7.115.432,24	308.196,02
100	7.115.416,56	308.201,01
101	7.115.402,18	308.204,28
102	7.115.383,75	308.205,56
103	7.115.365,75	308.209,81
104	7.115.342,22	308.223,30
105	7.115.316,30	308.230,27
106	7.115.290,10	308.235,45
107	7.115.264,48	308.240,36
108	7.115.237,96	308.242,63
109	7.115.211,50	308.247,76
110	7.115.184,69	308.249,86
111	7.115.159,06	308.250,23
112	7.115.134,88	308.260,72
113	7.115.109,12	308.265,85
114	7.115.083,86	308.268,33
115	7.115.057,68	308.272,04
116	7.115.033,66	308.269,22
117	7.115.009,37	308.258,98
118	7.114.993,44	308.238,13

119	7.114.988,05	308.213,78
120	7.114.972,12	308.193,33
121	7.114.959,85	308.169,84
122	7.114.956,97	308.156,63
123	7.114.955,25	308.123,87
124	7.114.951,81	308.098,81
125	7.114.946,78	308.075,89
126	7.114.940,02	308.051,60
127	7.114.929,52	308.028,69
128	7.114.921,26	308.005,36
129	7.114.910,76	307.983,28
130	7.114.903,70	307.958,31
131	7.114.894,24	307.934,66
132	7.114.885,20	307.924,58
133	7.114.874,49	307.909,51
134	7.114.867,33	307.895,32
135	7.114.856,25	307.878,79
136	7.114.843,50	307.861,01
137	7.114.827,64	307.843,03
138	7.114.812,10	307.826,31
139	7.114.802,81	307.812,42
140	7.114.796,99	307.792,67
141	7.114.796,03	307.766,66
142	7.114.802,86	307.744,11
143	7.114.810,46	307.725,42
144	7.114.827,88	307.708,73
145	7.114.847,53	307.694,92
146	7.114.860,82	307.673,59
147	7.114.871,76	307.650,78
148	7.114.881,22	307.628,58
149	7.114.899,49	307.610,92
150	7.114.909,52	307.591,00
151	7.114.927,03	307.584,79
152	7.114.946,31	307.578,37
153	7.114.959,12	307.578,69
154	7.114.977,29	307.577,00
155	7.114.995,87	307.568,09
156	7.115.012,04	307.556,02
157	7.115.008,27	307.543,64
158	7.114.993,87	307.520,87
159	7.114.983,33	307.507,51
160	7.114.965,94	307.488,81
161	7.114.963,26	307.458,13
162	7.114.980,60	307.424,80
163	7.115.000,47	307.408,53
164	7.114.992,41	307.374,25
165	7.114.998,24	307.350,48

166	7.115.012,32	307.333,55
167	7.115.023,48	307.323,26
168	7.115.018,64	307.309,09
169	7.115.035,06	307.283,24
170	7.115.047,07	307.255,12
171	7.115.058,96	307.234,75
172	7.115.069,06	307.206,34
173	7.115.081,83	307.183,97
174	7115097,16	307.155,804
175	7115101,583	307.133,448
176	7115112,759	307.110,153
177	7115123,183	307.083,088
178	7115124,69	307.066,368
179	7115133,32	307.039,934
180	7115135,033	307.008,830
181	7115130,355	306.987,525
182	7115120,512	306.974,247
183	7115105,582	306.991,902
184	7115105,785	306.966,999
185	7115107,317	306.943,155
186	7115110,164	306.921,615
187	7115106,804	306.900,727
188	7115087,912	306.890,837
189	7115074,869	306.868,603
190	7115064,462	306.839,659
191	7115058,104	306.824,800
192	7115075,726	306.803,798
193	7115091,944	306.790,515
194	7115055,915	306.778,302
195	7115039,896	306.758,369
196	7115040,749	306.727,603
197	7115043,791	306.697,787
198	7115053,981	306.673,966
199	7115067,947	306.647,099
200	7115062,19	306.623,139
201	7115053,728	306.600,356
202	7115063,098	306.566,700
203	7115064,507	306.537,497
204	7115044,956	306.510,981
205	7115028,943	306.487,839
206	7115009,353	306.465,176
207	7114990,153	306.443,160
208	7114971,086	306.416,806
209	7114952,239	306.401,154
210	7114947,472	306.391,555
211	7114930,93	306.389,201
212	7114902,735	306.375,975

213	7114877,232	306.362,617
214	7114850,783	306.347,500
215	7114818,442	306.337,851
216	7114792,71	306.325,697
217	7114771,13	306.316,304
218	7114744,46	306.304,003
219	7114721,059	306.290,780
220	7114699,39	306.277,403
221	7114675,123	306.262,059
222	7114649,397	306.248,137
223	7114616,106	306.235,588
224	7114589,692	306.220,630
225	7114563,493	306.200,959
226	7114558,777	306.190,178
227	7114541,866	306.186,142
228	7114510,076	306.177,029
229	7114484,053	306.172,446
230	7114458,044	306.168,037
231	7114429,839	306.164,600
232	7114396,12	306.153,551
233	7114371,473	306.145,443
234	7114349,486	306.140,597
235	7114320,184	306.135,016
236	7114318,361	306.131,284
237	7114331,167	306.112,883
238	7114323,537	306.118,059
239	7114314,936	306.110,586
240	7114317,718	306.123,722
241	7114310,875	306.130,528
242	7114282,124	306.120,677
243	7114249,326	306.117,308
244	7114223,577	306.114,478
245	7114189,489	306.106,933
246	7114157,019	306.104,669
247	7114148,849	306.092,640
248	7114146,294	306.103,901
249	7114127,776	306.104,308
250	7114102,269	306.102,616
251	7114074,603	306.104,755
252	7114045,264	306.108,083
253	7114021,031	306.107,753
254	7113986,394	306.104,582
255	7113958,204	306.113,298
256	7113927,983	306.119,009
257	7113898,309	306.123,102
258	7113864,493	306.125,993
259	7113834,205	306.119,029

260	7113803,251	306.119,623
261	7113776,477	306.127,364
262	7113747,322	306.127,317
263	7113724,87	306.123,183
264	7113703,013	306.121,145
265	7113672,344	306.116,849
266	7113641,585	306.111,748
267	7113671,979	306.118,403
268	7113701,735	306.123,771
269	7113724,254	306.124,755
270	7113749,342	306.132,579
271	7113777,62	306.129,674
272	7113798,936	306.124,806
273	7113846,792	306.126,308
274	7113879,831	306.127,601
275	7113929,48	306.124,134
276	7113957,485	306.116,461
277	7114025,898	306.112,548
278	7114068,327	306.108,749
279	7114123,372	306.108,463
280	7114217,569	306.119,170
281	7114225,929	306.120,719
282	7114252,421	306.125,702
283	7114278,751	306.128,020
284	7114300,305	306.133,728
285	7114312,517	306.144,284
286	7114332,794	306.150,463
287	7114345,167	306.148,595
288	7114385,219	306.157,601
289	7114423,003	306.168,743
290	7114446,225	306.171,769
291	7114471,245	306.180,112
292	7114520,557	306.189,066
293	7114539,884	306.196,540
294	7114560,646	306.208,710
295	7114582,393	306.225,859
296	7114605,031	306.241,439
297	7114631,132	306.255,447
298	7114679,957	306.275,695
299	7114721,077	306.296,614
300	7.114.775,73	306.323,58
301	7.114.800,87	306.339,17
302	7.114.839,91	306.357,76
303	7.114.872,46	306.367,56
304	7.114.895,34	306.385,30
305	7.114.928,92	306.399,90
306	7.114.959,76	306.420,26

307	7.114.982,16	306.446,27
308	7.115.014,89	306.485,37
309	7.115.038,95	306.515,74
310	7.115.061,79	306.550,37
311	7.115.052,08	306.600,42
312	7.115.056,05	306.639,10
313	7.115.048,99	306.670,64
314	7.115.032,50	306.733,51
315	7.115.032,10	306.759,94
316	7.115.035,30	306.787,78
317	7.115.034,00	306.803,96
318	7.115.035,67	306.818,02
319	7.115.047,65	306.870,98
320	7.115.062,45	306.908,64
321	7.115.080,19	306.946,94
322	7.115.098,50	306.991,41
323	7.115.116,02	307.063,96
324	7.115.115,31	307.074,05
325	7.115.107,64	307.101,49
326	7.115.092,13	307.140,75
327	7.115.080,19	307.168,01
328	7.115.064,79	307.195,08
329	7.115.050,26	307.227,66
330	7.115.038,93	307.255,00
331	7.115.020,65	307.291,85
332	7.115.003,90	307.333,17
333	7.114.983,82	307.374,35
334	7.114.972,31	307.412,78
335	7.114.950,69	307.458,21
336	7.114.913,02	307.530,46
337	7.114.905,60	307.548,14
338	7.114.884,00	307.584,99
339	7.114.849,69	307.641,38
340	7.114.819,26	307.689,76
341	7.114.798,63	307.720,01
342	7.114.777,40	307.754,55
343	7.114.765,16	307.798,77
344	7.114.770,39	307.834,99
345	7.114.787,98	307.868,17
346	7.114.804,91	307.902,00
347	7.114.826,88	307.930,37
348	7.114.855,30	307.960,30
349	7.114.873,45	307.988,24
350	7.114.900,19	308.027,02
351	7.114.919,51	308.056,63
352	7.114.940,71	308.097,80
353	7.114.945,40	308.138,32

354	7.114.937,32	308.189,67
355	7.114.944,13	308.254,98
356	7.114.963,35	308.290,29
357	7.114.986,99	308.306,98
358	7.115.017,48	308.305,67
359	7.115.045,65	308.302,46
360	7.115.071,56	308.298,03
361	7.115.102,35	308.296,66
362	7.115.134,59	308.291,82
363	7.115.172,06	308.286,99
364	7.115.209,41	308.280,85
365	7.115.240,37	308.276,88
366	7.115.269,67	308.271,48
367	7.115.304,48	308.266,79
368	7.115.342,82	308.262,04
369	7.115.389,10	308.250,84
370	7.115.420,23	308.240,70
371	7.115.443,65	308.233,61
372	7.115.476,26	308.225,71
373	7.115.516,02	308.218,68
374	7.115.547,52	308.211,87
375	7.115.592,25	308.200,36
376	7.115.618,35	308.192,64
377	7.115.671,56	308.176,97
378	7.115.701,74	308.151,27
379	7.115.722,77	308.121,72
380	7.115.739,82	308.092,51
381	7.115.755,18	308.063,34
382	7.115.782,80	308.026,94
383	7.115.797,82	308.005,40
384	7.115.817,73	307.979,60
385	7.115.856,90	307.932,67
386	7.115.881,49	307.913,12
387	7.115.916,71	307.882,61
388	7.115.936,91	307.867,64
389	7.115.964,33	307.851,10
390	7.115.996,45	307.832,69
391	7.116.013,68	307.815,36
392	7.116.029,81	307.795,08
393	7.116.032,85	307.791,25
394	7.116.067,36	307.747,72
395	7.116.087,54	307.702,71
396	7.116.108,14	307.642,58
397	7.116.118,69	307.617,02
398	7.116.134,38	307.579,43
399	7.116.151,67	307.526,13
0=PP	7.116.152,30	307.511,61

Polígono 03					
UF	Código Município	Empreendimento	Sistema de Referência	Fuso	Destinação
PR	4108403	PCH Vila Galupo	SIRGAS2000	UTM 22 S (MER 51)	Área de Preservação Permanente
Tipo de DUP		Área (hectares)	Responsável Técnico	Nº ART/RRT correspondente	
Servidão Administrativa		50,7678	Alberto de Andrade Pinto	20170777415	
Vértice		Coordenada N (m)		Coordenada E (m)	
0=PP		7.116.022,29		307.492,33	
1		7.116.021,12		307.498,11	
2		7.116.019,47		307.505,20	
3		7.116.017,55		307.512,06	
4		7.116.015,24		307.519,13	
5		7.116.012,60		307.526,33	
6		7.116.009,74		307.533,47	
7		7.116.006,77		307.540,37	
8		7.116.003,79		307.546,91	
9		7.116.000,90		307.553,00	
10		7.115.998,18		307.558,58	
11		7.115.995,82		307.563,35	
12		7.115.993,95		307.567,11	
13		7.115.992,53		307.569,91	
14		7.115.991,53		307.571,88	
15		7.115.990,85		307.573,18	
16		7.115.990,38		307.574,07	
17		7.115.989,93		307.574,90	
18		7.115.989,21		307.576,23	
19		7.115.988,21		307.578,12	
20		7.115.987,04		307.580,42	
21		7.115.985,85		307.582,82	
22		7.115.984,70		307.585,23	
23		7.115.983,51		307.587,77	
24		7.115.982,19		307.590,62	
25		7.115.980,66		307.593,97	
26		7.115.978,82		307.598,00	
27		7.115.976,63		307.602,83	
28		7.115.974,17		307.608,25	
29		7.115.971,52		307.614,09	
30		7.115.968,78		307.620,13	
31		7.115.966,05		307.626,14	
32		7.115.963,44		307.631,89	
33		7.115.961,06		307.637,14	



34	7.115.959,00	307.641,66
35	7.115.957,51	307.644,89
36	7.115.956,94	307.646,11
37	7.115.956,19	307.647,25
38	7.115.954,17	307.650,21
39	7.115.951,33	307.654,35
40	7.115.947,93	307.659,28
41	7.115.944,19	307.664,68
42	7.115.940,23	307.670,40
43	7.115.936,23	307.676,16
44	7.115.932,35	307.681,76
45	7.115.928,72	307.686,98
46	7.115.925,54	307.691,56
47	7.115.924,07	307.693,68
48	7.115.843,07	307.709,63
49	7.115.805,86	307.733,48
50	7.115.777,75	307.780,73
51	7.115.744,66	307.836,21
52	7.115.692,54	307.894,16
53	7.115.688,40	307.926,45
54	7.115.619,91	307.962,92
55	7.115.594,50	308.010,61
56	7.115.595,23	308.049,07
57	7.115.536,50	308.079,70
58	7.115.369,38	308.105,37
59	7.115.269,13	308.137,45
60	7.115.078,32	308.166,70
61	7.115.055,59	308.142,32
62	7.115.044,78	308.052,56
63	7.114.989,57	307.894,92
64	7.114.909,18	307.785,22
65	7.114.972,96	307.679,12
66	7.115.019,24	307.667,75
67	7.115.103,97	307.619,48
68	7.115.117,77	307.539,85
69	7.115.080,95	307.473,54
70	7.115.096,38	307.438,60
71	7.115.098,81	307.389,03
72	7.115.121,55	307.352,46
73	7.115.126,42	307.319,96
74	7.115.190,75	307.193,65
75	7.115.230,54	307.067,70
76	7.115.236,22	307.010,01
77	7.115.195,46	306.834,96
78	7.115.190,39	306.750,35
79	7.115.169,15	306.722,30
80	7.115.149,18	306.703,32

81	7.115.162,17	306.682,19
82	7.115.167,86	306.636,69
83	7.115.162,17	306.599,31
84	7.115.161,88	306.502,45
85	7.115.010,86	306.304,18
86	7.114.964,58	306.294,43
87	7.114.901,55	306.260,19
88	7.114.819,54	306.230,94
89	7.114.739,16	306.181,37
90	7.114.650,25	306.142,29
91	7.114.620,20	306.102,47
92	7.114.484,61	306.069,97
93	7.114.397,22	306.041,44
94	7.114.372,01	306.019,58
95	7.114.329,44	306.005,00
96	7.114.278,47	306.019,02
97	7.114.202,78	306.007,28
98	7.114.178,98	305.996,97
99	7.114.143,66	305.987,78
100	7.114.117,17	305.995,90
101	7.114.066,53	306.005,65
102	7.114.024,31	306.008,09
103	7.113.977,66	306.002,38
104	7.113.876,98	306.026,76
105	7.113.848,56	306.018,63
106	7.113.805,53	306.019,44
107	7.113.756,53	306.027,33
108	7.113.652,79	306.012,35
109	7.113.641,59	306.111,75
110	7.113.672,34	306.116,85
111	7.113.703,01	306.121,15
112	7.113.724,87	306.123,18
113	7.113.747,32	306.127,32
114	7.113.776,48	306.127,36
115	7.113.803,25	306.119,62
116	7.113.834,21	306.119,03
117	7.113.864,49	306.125,99
118	7.113.898,31	306.123,10
119	7.113.927,98	306.119,01
120	7.113.958,20	306.113,30
121	7.113.986,39	306.104,58
122	7.114.021,03	306.107,75
123	7.114.045,26	306.108,08
124	7.114.074,60	306.104,76
125	7.114.102,27	306.102,62
126	7.114.127,78	306.104,31
127	7.114.146,29	306.103,90

128	7.114.148,85	306.092,64
129	7.114.157,02	306.104,67
130	7.114.189,49	306.106,93
131	7.114.223,58	306.114,48
132	7.114.249,33	306.117,31
133	7.114.282,12	306.120,68
134	7.114.310,88	306.130,53
135	7.114.317,72	306.123,72
136	7.114.314,94	306.110,59
137	7.114.323,54	306.118,06
138	7.114.331,17	306.112,88
139	7.114.318,36	306.131,28
140	7.114.320,18	306.135,02
141	7.114.349,49	306.140,60
142	7.114.371,47	306.145,44
143	7.114.396,12	306.153,55
144	7.114.429,84	306.164,60
145	7.114.458,04	306.168,04
146	7.114.484,05	306.172,45
147	7.114.510,08	306.177,03
148	7.114.541,87	306.186,14
149	7.114.558,78	306.190,18
150	7.114.563,49	306.200,96
151	7.114.589,69	306.220,63
152	7.114.616,11	306.235,59
153	7.114.649,40	306.248,14
154	7.114.675,12	306.262,06
155	7.114.699,39	306.277,40
156	7.114.721,06	306.290,78
157	7.114.744,46	306.304,00
158	7.114.771,13	306.316,30
159	7.114.792,71	306.325,70
160	7.114.818,44	306.337,85
161	7.114.850,78	306.347,50
162	7.114.877,23	306.362,62
163	7.114.902,74	306.375,98
164	7.114.930,93	306.389,20
165	7.114.947,47	306.391,56
166	7.114.952,24	306.401,15
167	7.114.971,09	306.416,81
168	7.114.990,15	306.443,16
169	7.115.009,35	306.465,18
170	7.115.028,94	306.487,84
171	7.115.044,96	306.510,98
172	7.115.064,51	306.537,50
173	7.115.063,10	306.566,70
174	7115053,728	306.600,356

175	7115062,19	306.623,139
176	7115067,947	306.647,099
177	7115053,981	306.673,966
178	7115043,791	306.697,787
179	7115040,749	306.727,603
180	7115039,896	306.758,369
181	7115055,915	306.778,302
182	7115091,944	306.790,515
183	7115075,726	306.803,798
184	7115058,104	306.824,800
185	7115064,462	306.839,659
186	7115074,869	306.868,603
187	7115087,912	306.890,837
188	7115106,804	306.900,727
189	7115110,164	306.921,615
190	7115107,317	306.943,155
191	7115105,785	306.966,999
192	7115105,582	306.991,902
193	7115120,512	306.974,247
194	7115130,355	306.987,525
195	7115135,033	307.008,830
196	7115133,32	307.039,934
197	7115124,69	307.066,368
198	7115123,183	307.083,088
199	7115112,759	307.110,153
200	7115101,583	307.133,448
201	7115097,16	307.155,804
202	7115081,826	307.183,972
203	7115069,055	307.206,342
204	7115058,958	307.234,752
205	7115047,074	307.255,116
206	7115035,064	307.283,240
207	7115018,639	307.309,085
208	7115023,476	307.323,259
209	7115012,321	307.333,553
210	7114998,239	307.350,476
211	7114992,41	307.374,247
212	7115000,468	307.408,532
213	7114980,603	307.424,802
214	7114963,261	307.458,126
215	7114965,94	307.488,813
216	7114983,326	307.507,506
217	7114993,867	307.520,868
218	7115008,272	307.543,643
219	7115012,038	307.556,015
220	7114995,868	307.568,087
221	7114977,294	307.577,003

222	7114959,123	307.578,693
223	7114946,305	307.578,371
224	7114927,025	307.584,785
225	7114909,517	307.591,004
226	7114899,489	307.610,916
227	7114881,222	307.628,577
228	7114871,76	307.650,778
229	7114860,823	307.673,591
230	7114847,53	307.694,924
231	7114827,882	307.708,730
232	7114810,464	307.725,423
233	7114802,863	307.744,105
234	7114796,034	307.766,661
235	7114796,985	307.792,668
236	7114802,808	307.812,424
237	7114812,096	307.826,314
238	7114827,637	307.843,026
239	7114843,499	307.861,010
240	7114856,253	307.878,793
241	7114867,331	307.895,320
242	7114874,488	307.909,507
243	7114885,199	307.924,583
244	7114894,243	307.934,661
245	7114903,701	307.958,312
246	7114910,763	307.983,283
247	7114921,262	308.005,357
248	7114929,523	308.028,685
249	7114940,015	308.051,595
250	7114946,783	308.075,885
251	7114951,812	308.098,805
252	7114955,252	308.123,870
253	7114956,966	308.156,625
254	7114959,853	308.169,844
255	7114972,123	308.193,325
256	7114988,05	308.213,775
257	7114993,444	308.238,130
258	7115009,372	308.258,978
259	7115033,656	308.269,217
260	7115057,682	308.272,042
261	7115083,858	308.268,332
262	7115109,12	308.265,848
263	7115134,875	308.260,720
264	7115159,064	308.250,227
265	7115184,686	308.249,855
266	7115211,497	308.247,764
267	7115237,958	308.242,633
268	7115264,483	308.240,356

269	7115290,095	308.235,450
270	7115316,3	308.230,265
271	7115342,219	308.223,295
272	7115365,749	308.209,814
273	7115383,746	308.205,555
274	7115402,18	308.204,282
275	7115416,555	308.201,011
276	7115432,242	308.196,016
277	7115446,852	308.196,146
278	7115465,964	308.191,648
279	7115486,986	308.188,277
280	7115501,037	308.186,956
281	7115518,452	308.183,238
282	7115537,46	308.180,386
283	7115558,286	308.175,929
284	7115575,955	308.170,968
285	7115592,827	308.162,603
286	7115612,376	308.150,471
287	7115633,134	308.144,323
288	7115654,363	308.135,820
289	7115673,944	308.123,477
290	7115689,692	308.107,945
291	7115693,582	308.086,496
292	7115691,631	308.058,918
293	7115695,299	308.036,410
294	7115708,872	308.039,393
295	7115726,991	308.038,804
296	7115739,047	308.020,650
297	7115753,642	308.003,769
298	7115765,138	307.985,920
299	7115780,919	307.970,973
300	7115788,199	307.953,125
301	7115789,839	307.932,670
302	7115809,874	307.928,966
303	7115829,763	307.920,545
304	7115838,264	307.903,409
305	7115842,531	307.867,619
306	7115854,491	307.847,408
307	7115870,345	307.829,627
308	7115873,421	307.809,547
309	7115885,856	307.801,010
310	7115908,605	307.800,156
311	7115940,739	307.805,185
312	7115961,518	307.791,214
313	7115981,178	307.775,773
314	7115985,083	307.773,384
315	7115988,962	307.770,87

316	7115991,66	307768,402
317	7115993,932	307766,242
318	7115995,867	307764,283
319	7115997,595	307762,379
320	7115999,248	307760,383
321	7116000,955	307758,151
322	7116002,846	307755,534
323	7116005,053	307752,388
324	7116007,705	307748,566
325	7116010,886	307743,98
326	7116014,493	307738,784
327	7116018,378	307733,188
328	7116022,391	307727,405
329	7116026,383	307721,645
330	7116030,205	307716,121
331	7116033,707	307711,044
332	7116036,741	307706,625
333	7116039,203	307703,003
334	7116041,177	307700,028
335	7116042,789	307697,476
336	7116044,17	307695,123
337	7116045,448	307692,745
338	7116046,751	307690,12
339	7116048,208	307687,022
340	7116049,948	307683,23
341	7116052,06	307678,593
342	7116054,482	307673,264
343	7116057,112	307667,468
344	7116059,849	307661,433
345	7116062,592	307655,385
346	7116065,238	307649,549
347	7116067,687	307644,152
348	7116069,837	307639,422
349	7116071,613	307635,525
350	7116073,043	307632,404
351	7116074,181	307629,94
352	7116075,082	307628,016
353	7116075,8	307626,515
354	7116076,39	307625,319
355	7116076,905	307624,312
356	7116077,402	307623,375
357	7116077,934	307622,388
358	7116078,565	307621,217
359	7116079,357	307619,725
360	7116080,373	307617,774
361	7116081,678	307615,227
362	7116083,333	307611,946

363	7116085,404	307607,793
364	7116087,952	307602,632
365	7116091,008	307596,366
366	7116094,472	307589,069
367	7116098,211	307580,856
368	7116102,091	307571,841
369	7116105,979	307562,138
370	7116109,743	307551,864
371	7116113,248	307541,132
372	7116116,362	307530,058
373	7116118,983	307518,772
374	7116121,132	307507,472
375	7116086,219	307492,333
0=PP	7.116.022,29	307.492,33



Polígono 04					
UF	Código Município	Empreendimento	Sistema de Referência	Fuso	Destinação
PR	4103222	PCH Vila Galupo	SIRGAS2000	UTM 22 S (MER 51)	Área de Preservação Permanente
Tipo de DUP		Área (hectares)	Responsável Técnico	Nº ART/RRT correspondente	
Servidão Administrativa		2,2749	Alberto de Andrade Pinto	20170777415	
Vértice		Coordenada N (m)		Coordenada E (m)	
0=PP		7.116.337,43		307.491,72	
1		7.116.316,19		307.571,60	
2		7.116.244,09		307.724,45	
3		7.116.157,07		307.668,68	
4		7.116.157,28		307.668,06	
5		7.116.157,68		307.666,89	
6		7.116.158,07		307.665,74	
7		7.116.158,46		307.664,59	
8		7.116.158,87		307.663,40	
9		7.116.159,31		307.662,12	
10		7.116.159,78		307.660,73	
11		7.116.160,30		307.659,21	
12		7.116.160,87		307.657,55	
13		7.116.161,51		307.655,79	
14		7.116.162,21		307.653,94	
15		7.116.162,98		307.652,01	
16		7.116.163,83		307.650,04	
17		7.116.164,77		307.648,03	
18		7.116.165,79		307.646,02	
19		7.116.166,90		307.644,01	
20		7.116.168,08		307.642,02	
21		7.116.169,29		307.640,08	
22		7.116.170,52		307.638,19	
23		7.116.171,72		307.636,39	
24		7.116.172,89		307.634,68	
25		7.116.173,97		307.633,08	
26		7.116.174,96		307.631,62	
27		7.116.175,83		307.630,29	
28		7.116.176,58		307.629,09	
29		7.116.177,24		307.627,99	
30		7.116.177,83		307.626,96	
31		7.116.178,37		307.625,99	
32		7.116.178,88		307.625,04	
33		7.116.179,37		307.624,10	
34		7.116.179,86		307.623,13	
35		7.116.180,38		307.622,13	

36	7.116.180,92	307.621,07
37	7.116.181,48	307.619,98
38	7.116.182,05	307.618,83
39	7.116.182,63	307.617,64
40	7.116.183,22	307.616,40
41	7.116.183,82	307.615,11
42	7.116.184,42	307.613,78
43	7.116.185,02	307.612,40
44	7.116.185,62	307.610,97
45	7.116.186,24	307.609,48
46	7.116.186,86	307.607,93
47	7.116.187,51	307.606,32
48	7.116.188,18	307.604,65
49	7.116.188,89	307.602,91
50	7.116.189,62	307.601,09
51	7.116.190,40	307.599,21
52	7.116.191,21	307.597,25
53	7.116.192,06	307.595,24
54	7.116.192,94	307.593,17
55	7.116.193,86	307.591,07
56	7.116.194,80	307.588,93
57	7.116.195,78	307.586,76
58	7.116.196,77	307.584,57
59	7.116.197,79	307.582,38
60	7.116.198,84	307.580,17
61	7.116.199,91	307.577,95
62	7.116.201,01	307.575,72
63	7.116.202,15	307.573,46
64	7.116.203,33	307.571,19
65	7.116.204,54	307.568,89
66	7.116.205,79	307.566,57
67	7.116.207,09	307.564,22
68	7.116.208,43	307.561,86
69	7.116.209,79	307.559,48
70	7.116.211,18	307.557,09
71	7.116.212,58	307.554,70
72	7.116.213,99	307.552,33
73	7.116.215,40	307.549,96
74	7.116.216,81	307.547,61
75	7.116.218,20	307.545,29
76	7.116.219,55	307.543,00
77	7.116.220,83	307.540,73
78	7.116.222,02	307.538,49
79	7.116.223,10	307.536,27
80	7.116.224,03	307.534,08
81	7.116.224,79	307.531,92
82	7.116.225,36	307.529,77

83	7.116.225,71	307.527,65
84	7.116.225,87	307.525,52
85	7.116.225,87	307.523,38
86	7.116.225,73	307.521,18
87	7.116.225,49	307.518,92
88	7.116.225,17	307.516,55
89	7.116.224,79	307.514,08
90	7.116.224,40	307.511,45
91	7.116.224,01	307.508,68
92	7.116.223,64	307.505,81
93	7.116.223,28	307.502,92
94	7.116.222,95	307.500,07
95	7.116.222,65	307.497,34
96	7.116.222,39	307.494,80
97	7.116.222,17	307.492,51
98	7.116.222,11	307.491,72
0=PP	7.116.337,43	307.491,72

Polígono 05					
UF	Código Município	Empreendimento	Sistema de Referência	Fuso	Destinação
PR	4103222	PCH Vila Galupo	SIRGAS2000	UTM 22 S (MER 51)	Área de Preservação Permanente
Tipo de DUP		Área (hectares)	Responsável Técnico	Nº ART/RRT correspondente	
Servidão Administrativa		17,7817	Alberto de Andrade Pinto	20170777415	
Vértice		Coordenada N (m)		Coordenada E (m)	
0=PP		7.116.186,10		307.857,53	
1		7.116.156,54		307.902,79	
2		7.116.089,94		307.965,38	
3		7.116.061,79		308.010,48	
4		7.116.009,67		308.056,60	
5		7.115.984,99		308.058,79	
6		7.115.963,36		308.091,30	
7		7.115.862,43		308.174,75	
8		7.115.810,86		308.262,04	
9		7.115.729,89		308.332,85	
10		7.115.550,04		308.401,34	
11		7.115.465,82		308.402,22	
12		7.115.426,34		308.396,07	
13		7.115.313,31		308.414,56	
14		7.115.263,30		308.447,93	
15		7.115.181,71		308.476,90	
16		7.115.135,22		308.474,27	

17	7.115.079,94	308.441,78
18	7.114.938,11	308.426,84
19	7.114.839,85	308.363,62
20	7.114.791,59	308.286,36
21	7.114.761,57	308.305,91
22	7.114.679,21	308.311,23
23	7.114.653,53	308.311,23
24	7.114.663,53	308.200,52
25	7.114.679,36	308.211,52
26	7.114.701,34	308.212,49
27	7.114.727,24	308.207,47
28	7.114.747,43	308.195,60
29	7.114.770,56	308.189,36
30	7.114.792,74	308.188,34
31	7.114.821,70	308.188,24
32	7.114.844,75	308.196,06
33	7.114.865,27	308.220,06
34	7.114.882,07	308.238,14
35	7.114.900,25	308.270,27
36	7.114.914,82	308.292,43
37	7.114.938,54	308.311,97
38	7.114.973,96	308.331,44
39	7.115.002,51	308.334,86
40	7.115.030,30	308.335,42
41	7.115.063,71	308.341,07
42	7.115.082,86	308.342,77
43	7.115.114,73	308.341,45
44	7.115.144,78	308.346,13
45	7.115.158,88	308.373,40
46	7.115.190,87	308.374,07
47	7.115.202,64	308.375,85
48	7.115.213,97	308.365,86
49	7.115.231,28	308.348,12
50	7.115.258,83	308.333,29
51	7.115.284,86	308.317,98
52	7.115.320,15	308.314,43
53	7.115.343,97	308.310,02
54	7.115.381,00	308.303,66
55	7.115.410,05	308.297,15
56	7.115.427,51	308.296,14
57	7.115.441,60	308.296,80
58	7.115.473,19	308.303,10
59	7.115.498,60	308.302,92
60	7.115.525,20	308.301,70
61	7.115.545,72	308.296,36
62	7.115.566,86	308.288,89
63	7.115.585,27	308.283,24

64	7.115.608,17	308.274,64
65	7.115.630,77	308.265,21
66	7.115.649,30	308.256,86
67	7.115.678,20	308.243,75
68	7.115.696,76	308.231,27
69	7.115.710,15	308.220,38
70	7.115.725,61	308.205,36
71	7.115.731,56	308.187,67
72	7.115.746,58	308.171,52
73	7.115.764,02	308.148,02
74	7.115.776,76	308.121,06
75	7.115.788,96	308.103,09
76	7.115.807,50	308.089,75
77	7.115.824,62	308.078,40
78	7.115.843,86	308.063,53
79	7.115.865,48	308.039,29
80	7.115.886,07	308.023,15
81	7.115.886,24	308.007,98
82	7.115.909,62	307.979,69
83	7.115.927,63	307.965,11
84	7.115.949,86	307.958,77
85	7.115.978,26	307.957,44
86	7.115.993,44	307.935,63
87	7.116.002,67	307.914,15
88	7.116.026,37	307.885,84
89	7.116.034,50	307.876,37
90	7.116.074,77	307.845,22
0=PP	7.116.186,10	307.857,53

Polígono 06					
UF	Código Município	Empreendimento	Sistema de Referência	Fuso	Destinação
PR	4103222	PCH Vila Galupo	SIRGAS2000	UTM 22 S (MER 51)	Área de Preservação Permanente
Tipo de DUP		Área (hectares)	Responsável Técnico	Nº ART/RRT correspondente	
Servidão Administrativa		14,6885	Alberto de Andrade Pinto	20170777415	
Vértice		Coordenada N (m)		Coordenada E (m)	
0=PP		7.114.663,53		308.200,52	
1		7.114.589,65		308.132,64	
2		7.114.643,89		308.069,95	
3		7.114.718,28		308.025,22	
4		7.114.643,14		307.889,78	

5	7.114.626,16	307.836,10
6	7.114.592,19	307.791,37
7	7.114.596,66	307.707,28
8	7.114.626,19	307.657,82
9	7.114.671,78	307.522,73
10	7.114.746,86	307.441,32
11	7.114.776,36	307.386,75
12	7.114.777,26	307.341,13
13	7.114.799,60	307.291,03
14	7.114.824,63	307.274,03
15	7.114.836,55	307.218,93
16	7.114.870,51	307.200,14
17	7.114.884,82	307.177,78
18	7.114.854,42	307.158,09
19	7.114.817,77	307.185,83
20	7.114.751,23	307.109,90
21	7.114.770,45	307.089,24
22	7.114.793,86	307.078,89
23	7.114.808,16	307.070,54
24	7.114.833,79	307.048,47
25	7.114.846,14	307.025,44
26	7.114.866,21	307.003,62
27	7.114.898,22	307.004,67
28	7.114.922,61	307.000,30
29	7.114.948,09	306.999,27
30	7.114.956,71	307.020,07
31	7.114.949,41	307.045,76
32	7.114.937,19	307.065,83
33	7.114.928,92	307.088,07
34	7.114.957,81	307.114,54
35	7.114.973,11	307.120,34
36	7.114.988,27	307.156,61
37	7.114.982,16	307.191,52
38	7.114.976,80	307.218,56
39	7.114.962,55	307.243,56
40	7.114.947,44	307.272,15
41	7.114.922,23	307.285,63
42	7.114.915,44	307.313,36
43	7.114.899,86	307.337,62
44	7.114.878,58	307.356,31
45	7.114.879,36	307.384,28
46	7.114.876,98	307.409,02
47	7.114.867,66	307.431,00
48	7.114.856,41	307.457,13
49	7.114.844,04	307.478,33
50	7.114.831,58	307.500,14
51	7.114.814,52	307.520,33

52	7.114.797,30	307.541,10
53	7.114.776,69	307.557,63
54	7.114.758,09	307.577,56
55	7.114.749,25	307.603,43
56	7.114.738,82	307.627,00
57	7.114.732,30	307.653,46
58	7.114.723,00	307.683,34
59	7.114.707,69	307.718,26
60	7.114.692,26	307.737,02
61	7.114.690,66	307.755,16
62	7.114.701,92	307.769,40
63	7.114.718,97	307.798,62
64	7.114.729,88	307.827,44
65	7.114.739,96	307.856,31
66	7.114.754,73	307.884,16
67	7.114.764,19	307.906,13
68	7.114.779,10	307.930,56
69	7.114.794,55	307.952,25
70	7.114.806,50	307.976,09
71	7.114.817,92	307.997,19
72	7.114.828,81	308.027,95
73	7.114.839,75	308.047,91
74	7.114.838,61	308.071,37
75	7.114.815,93	308.085,27
76	7.114.794,75	308.099,25
77	7.114.769,15	308.116,17
78	7.114.738,73	308.129,60
79	7.114.708,10	308.148,02
80	7.114.681,76	308.177,12
0=PP	7.114.663,53	308.200,52

Polígono 07					
UF	Código Município	Empreendimento	Sistema de Referência	Fuso	Destinação
PR	4103222	PCH Vila Galupo	SIRGAS2000	UTM 22 S (MER 51)	Área de Preservação Permanente
Tipo de DUP		Área (hectares)	Responsável Técnico	Nº ART/RRT correspondente	
Servidão Administrativa		22,1828	Alberto de Andrade Pinto	20170777415	
Vértice		Coordenada N (m)		Coordenada E (m)	
0=PP		7.114.742,10		307.105,88	
1		7.114.642,30		307.099,16	
2		7.114.645,25		307.050,74	
3		7.114.715,87		306.957,70	

4	7.114.782,02	306.887,03
5	7.114.858,89	306.850,35
6	7.114.895,54	306.844,09
7	7.114.882,64	306.749,36
8	7.114.899,85	306.648,98
9	7.114.902,71	306.561,37
10	7.114.876,39	306.525,86
11	7.114.751,65	306.486,35
12	7.114.682,67	306.438,05
13	7.114.646,62	306.426,60
14	7.114.552,78	306.365,32
15	7.114.500,21	306.327,95
16	7.114.418,96	306.325,66
17	7.114.301,09	306.295,31
18	7.114.232,65	306.256,89
19	7.114.090,17	306.262,04
20	7.114.036,11	306.299,92
21	7.113.981,11	306.294,15
22	7.113.935,08	306.274,97
23	7.113.872,99	306.281,94
24	7.113.755,40	306.281,05
25	7.113.608,80	306.248,13
26	7.113.629,27	306.152,47
27	7.113.632,77	306.155,31
28	7.113.662,56	306.158,31
29	7.113.693,12	306.163,83
30	7.113.727,38	306.174,41
31	7.113.759,78	306.179,37
32	7.113.786,84	306.185,31
33	7.113.811,86	306.181,85
34	7.113.841,91	306.180,14
35	7.113.875,03	306.177,07
36	7.113.904,89	306.176,58
37	7.113.934,28	306.171,30
38	7.113.955,94	306.168,67
39	7.113.985,58	306.161,67
40	7.114.015,46	306.162,74
41	7.113.994,96	306.183,77
42	7.114.010,15	306.179,96
43	7.114.012,67	306.197,68
44	7.114.016,81	306.189,29
45	7.114.021,47	306.169,82
46	7.114.051,41	306.165,61
47	7.114.083,80	306.162,97
48	7.114.110,14	306.161,81
49	7.114.139,51	306.155,91
50	7.114.173,84	306.156,92



51	7.114.193,98	306.154,91
52	7.114.227,59	306.158,10
53	7.114.255,85	306.162,08
54	7.114.289,82	306.174,60
55	7.114.314,98	306.190,69
56	7.114.343,98	306.202,43
57	7.114.374,75	306.212,59
58	7.114.404,77	306.217,58
59	7.114.436,50	306.225,06
60	7.114.472,31	306.227,02
61	7.114.504,98	306.227,68
62	7.114.536,37	306.233,15
63	7.114.565,39	306.250,26
64	7.114.580,47	306.262,57
65	7.114.603,09	306.279,22
66	7.114.631,65	306.294,02
67	7.114.651,36	306.321,64
68	7.114.656,82	306.315,39
69	7.114.680,57	306.319,44
70	7.114.708,63	306.339,68
71	7.114.731,43	306.352,08
72	7.114.764,17	306.371,62
73	7.114.793,31	306.392,31
74	7.114.815,13	306.395,11
75	7.114.837,44	306.408,54
76	7.114.867,87	306.420,80
77	7.114.893,52	306.427,99
78	7.114.921,32	306.438,07
79	7.114.943,60	306.451,42
80	7.114.960,06	306.470,86
81	7.114.978,46	306.498,39
82	7.114.996,88	306.522,47
83	7.115.007,74	306.540,37
84	7.115.015,50	306.567,74
85	7.115.001,68	306.596,54
86	7.115.000,37	306.632,12
87	7.114.998,99	306.660,87
88	7.114.993,28	306.691,53
89	7.114.988,49	306.720,10
90	7.114.984,87	306.751,49
91	7.114.988,08	306.783,39
92	7.114.993,51	306.813,76
93	7.115.005,01	306.840,35
94	7.115.013,10	306.870,66
95	7.115.022,01	306.899,29
96	7.115.033,06	306.927,66
97	7.115.027,92	306.961,13

98	7.114.994,70	306.958,52
99	7.114.957,36	306.949,66
100	7.114.922,14	306.943,90
101	7.114.892,45	306.945,68
102	7.114.865,77	306.956,23
103	7.114.843,74	306.968,01
104	7.114.819,22	306.993,23
105	7.114.798,18	307.016,65
106	7.114.774,45	307.041,38
107	7.114.752,63	307.068,37
108	7.114.743,17	307.083,11
0=PP	7.114.742,10	307.105,88

Polígono 08					
UF	Código Município	Empreendimento	Sistema de Referência	Fuso	Destinação
PR	4108403	PCH Vila Galupo	SIRGAS2000	UTM 22 S (MER 51)	Barramento
Tipo de DUP		Área (hectares)	Responsável Técnico	Nº ART/RRT correspondente	
Desapropriação		1,0316	Alberto de Andrade Pinto	20170777415	
Vértice		Coordenada N (m)		Coordenada E (m)	
0=PP		7.116.139,49		307.369,16	
1		7.116.022,29		307.467,33	
2		7.116.022,29		307.492,33	
3		7.116.086,22		307.492,33	
4		7.116.121,13		307.507,47	
5		7.116.152,30		307.511,61	
6		7.116.152,92		307.497,10	
7		7.116.149,58		307.468,16	
8		7.116.147,03		307.427,32	
9		7.116.142,31		307.399,04	
0=PP		7.116.139,49		307.369,16	

Polígono 09					
UF	Código Município	Empreendimento	Sistema de Referência	Fuso	Destinação
PR	4103222	PCH Vila Galupo	SIRGAS2000	UTM 22 S (MER 51)	Barramento
Tipo de DUP		Área (hectares)	Responsável Técnico	Nº ART/RRT correspondente	

Desapropriação		0,9428	Alberto de Andrade Pinto	20170777415	
Vértice		Coordenada N (m)		Coordenada E (m)	
0=PP		7.116.195,54		307.369,62	
1		7.116.337,43		307.466,72	
2		7.116.337,43		307.491,72	
3		7.116.210,58		307.491,72	
4		7.116.209,27		307.469,28	
0=PP		7.116.195,54		307.369,62	
<b>Polígono 10</b>					
UF	Código Município	Empreendimento	Sistema de Referência	Fuso	Destinação
PR	4103222	PCH Vila Galupo	SIRGAS2000	UTM 22 S (MER 51)	Estruturas de Adução
Tipo de DUP		Área (hectares)	Responsável Técnico	Nº ART/RRT correspondente	
Desapropriação		2,7170	Alberto de Andrade Pinto	20170777415	
Vértice		Coordenada N (m)		Coordenada E (m)	
0=PP		7.116.316,57		307.770,91	
1		7.116.265,30		307.866,29	
2		7.116.074,77		307.845,22	
3		7.116.075,66		307.843,96	
4		7.116.076,57		307.842,61	
5		7.116.077,35		307.841,38	
6		7.116.078,02		307.840,30	
7		7.116.078,57		307.839,38	
8		7.116.079,01		307.838,64	
9		7.116.079,35		307.838,06	
10		7.116.079,59		307.837,62	
11		7.116.079,76		307.837,30	
12		7.116.079,88		307.837,08	
13		7.116.079,94		307.836,93	
14		7.116.079,98		307.836,84	
15		7.116.080,00		307.836,77	
16		7.116.080,02		307.836,71	
17		7.116.080,03		307.836,64	
18		7.116.080,05		307.836,54	
19		7.116.080,07		307.836,39	
20		7.116.080,09		307.836,17	
21		7.116.080,11		307.835,86	
22		7.116.080,15		307.835,44	
23		7.116.080,19		307.834,90	
24		7.116.080,24		307.834,22	
25		7.116.080,32		307.833,41	
26		7.116.080,42		307.832,50	

27	7.116.080,56	307.831,51
28	7.116.080,75	307.830,47
29	7.116.080,99	307.829,38
30	7.116.081,31	307.828,28
31	7.116.081,70	307.827,19
32	7.116.082,17	307.826,12
33	7.116.082,71	307.825,08
34	7.116.083,29	307.824,10
35	7.116.083,90	307.823,16
36	7.116.084,51	307.822,29
37	7.116.085,11	307.821,48
38	7.116.085,67	307.820,76
39	7.116.086,17	307.820,12
40	7.116.086,61	307.819,56
41	7.116.086,99	307.819,07
42	7.116.087,36	307.818,60
43	7.116.087,73	307.818,12
44	7.116.088,13	307.817,59
45	7.116.088,60	307.816,98
46	7.116.089,16	307.816,25
47	7.116.089,83	307.815,36
48	7.116.090,65	307.814,30
49	7.116.091,60	307.813,05
50	7.116.092,67	307.811,65
51	7.116.093,85	307.810,08
52	7.116.095,12	307.808,38
53	7.116.096,46	307.806,55
54	7.116.097,88	307.804,59
55	7.116.099,35	307.802,53
56	7.116.100,86	307.800,38
57	7.116.102,40	307.798,12
58	7.116.103,98	307.795,74
59	7.116.105,59	307.793,23
60	7.116.107,23	307.790,59
61	7.116.108,89	307.787,80
62	7.116.110,58	307.784,85
63	7.116.112,28	307.781,73
64	7.116.119,11	307.776,09
65	7.116.119,98	307.775,18
66	7.116.120,67	307.774,23
67	7.116.121,28	307.773,19
68	7.116.125,21	307.767,38
69	7.116.125,17	307.767,12
70	7.116.123,71	307.758,59
71	7.116.122,71	307.753,87
72	7.116.122,99	307.751,71
73	7.116.122,93	307.751,72

74	7.116.123,06	307.751,62
75	7.116.124,90	307.745,45
76	7.116.125,62	307.744,28
77	7.116.127,59	307.742,31
78	7.116.128,51	307.740,96
79	7.116.129,59	307.738,63
80	7.116.130,14	307.738,04
81	7.116.130,45	307.737,59
82	7.116.131,03	307.735,91
83	7.116.131,85	307.733,33
84	7.116.132,65	307.730,85
85	7.116.133,46	307.728,45
86	7.116.134,27	307.726,13
87	7.116.135,08	307.723,89
88	7.116.135,91	307.721,70
89	7.116.136,74	307.719,56
90	7.116.137,58	307.717,46
91	7.116.138,43	307.715,40
92	7.116.139,29	307.713,36
93	7.116.140,17	307.711,34
94	7.116.141,05	307.709,33
95	7.116.141,93	307.707,34
96	7.116.142,81	307.705,38
97	7.116.143,68	307.703,45
98	7.116.144,53	307.701,55
99	7.116.145,36	307.699,69
100	7.116.146,17	307.697,87
101	7.116.146,95	307.696,09
102	7.116.147,70	307.694,35
103	7.116.148,43	307.692,63
104	7.116.149,13	307.690,92
105	7.116.149,82	307.689,22
106	7.116.150,49	307.687,51
107	7.116.151,15	307.685,79
108	7.116.151,80	307.684,05
109	7.116.152,44	307.682,27
110	7.116.153,08	307.680,48
111	7.116.153,70	307.678,70
112	7.116.154,30	307.676,95
113	7.116.154,87	307.675,24
114	7.116.155,42	307.673,60
115	7.116.155,94	307.672,05
116	7.116.156,42	307.670,61
117	7.116.156,86	307.669,28
118	7.116.157,07	307.668,68
0=PP	7.116.316,57	307.770,91