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## **ANEXO 2**

### **Catastro infraestructuras PSAH en coordenadas UTM WGS-84 HUSO 19S.**

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Pozo/Reglilla	UTM Norte (m)	UTM Este (m)	Cota Punto Referencia (msnm)
1001	7.392.245,76	575.189,80	2.301,100
1024	7.391.600,13	589.474,55	2.300,950
1027	7.424.644,59	589.797,12	2.308,776
1028	7.383.997,75	584.432,98	2.301,448
1906	7.418.675,34	576.809,17	2.300,802
2018	7.391.893,05	578.015,44	2.301,024
2021	7.414.638,58	577.629,34	2.300,637
2028	7.410.286,46	570.639,50	2.300,938
2037	7.391.949,15	583.465,29	2.301,929
2040	7.390.079,71	565.600,10	2.301,684
ALLANA	7.414.838,02	598.957,61	2.403,968
Limnmetro Barros Negros CONAF	7.416.990,38	585.823,65	2.300,911
Reglilla Barros Negros SQM	7.416.975,78	585.802,73	2.300,380
Reglilla Barros Negros CONAF	7.416.990,13	585.823,71	2.300,862
Limnmetro Burro Muerto CONAF	7.424.262,62	584.154,12	2.302,014
REGLILLA BURRO MUERTO SQM	7.424.265,03	584.156,08	2.301,600
Reglilla Burro Muerto CONAF	7.424.262,51	584.153,88	2.301,997
C4-B	7.424.698,44	579.751,95	2.302,711
CA-2015	7.396.451,89	596.135,70	2.325,266
CAMAR-2	7.409.831,33	598.072,11	2.380,057
Limnmetro Chaxa CONAF	7.419.627,10	585.232,82	2.300,866
Reglilla Chaxa SQM	7.419.630,86	585.209,98	2.301,208
Reglilla Chaxa CONAF	7.419.626,78	585.233,10	2.300,973
Cuña 1	7.417.502,39	588.591,76	2.301,228
Cuña 2	7.417.900,83	589.402,32	2.301,855
Cuña 3	7.420.047,17	592.879,01	2.321,805
Cuña 4	7.405.987,03	594.841,82	2.306,203
Cuña 5	7.406.109,50	593.361,94	2.302,651
Cuña 6	7.379.240,90	591.524,35	2.307,281
Cuña 7	7.382.218,75	587.722,59	2.301,859
D-2	7.403.779,68	588.662,62	2.300,971
E-101	7.391.636,43	564.581,51	2.301,792
E-324	7.393.056,03	563.023,21	2.302,124
EIA-5	7.417.291,46	573.177,57	2.301,128
GD-01	7.414.650,92	584.086,18	2.300,235
GD-02	7.403.739,16	589.933,79	2.300,528
GD-03	7.382.384,73	586.688,01	2.301,051
GD-04	7.383.853,99	586.142,95	2.300,880
L10-1	7.380.660,66	591.440,07	2.305,996

Pozo/Reglilla	UTM Norte (m)	UTM Este (m)	Cota Punto Referencia (msnm)
L10-10	7.382.729,91	588.561,22	2.302,046
L10-11	7.386.713,22	585.193,01	2.301,782
L10-12	7.388.772,89	584.400,10	2.301,832
L10-13	7.382.758,82	584.610,14	2.301,961
L10-14	7.382.944,90	582.762,63	2.302,007
L10-15	7.383.839,76	589.152,94	2.301,859
L10-16	7.386.333,41	590.452,50	2.301,935
L10-17	7.388.611,17	591.616,70	2.301,901
L10-2	7.382.683,18	589.534,38	2.301,602
L10-3	7.381.276,01	585.556,47	2.301,877
L10-4	7.381.407,76	584.907,77	2.301,882
L10-5	7.382.630,96	585.257,67	2.301,747
L10-6	7.382.951,64	586.579,51	2.301,760
L10-7	7.382.733,40	587.591,24	2.301,976
L10-8	7.383.323,18	587.479,41	2.301,993
L10-9	7.383.281,37	588.859,80	2.302,035
L1-1	7.421.793,68	599.847,36	2.409,660
L1-10	7.417.519,37	587.382,18	2.301,598
L11-1	7.441.707,88	581.776,79	2.320,321
L1-11	7.417.156,52	584.692,92	2.301,609
L11-2	7.439.199,35	581.780,85	2.316,354
L1-12	7.417.177,42	584.274,72	2.301,334
L1-13	7.416.803,94	584.879,54	2.301,414
L1-14	7.416.826,93	584.228,12	2.301,392
L1-15	7.418.751,86	586.572,23	2.301,735
L1-16	7.418.741,73	586.100,99	2.301,552
L1-17	7.418.238,88	591.453,18	2.307,476
L11-G1	7.439.198,28	582.072,08	2.315,557
L1-2	7.420.524,99	596.153,54	2.359,445
L12-1	7.377.872,51	573.891,04	2.302,296 <sup>1</sup>
L12-2	7.375.144,82	578.896,15	2.303,844
L12-3	7.374.917,35	576.268,70	2.302,671
L12-4	7.372.652,70	578.423,07	2.304,722
L1-3	7.418.707,93	593.724,57	2.327,733
L13-1	7.411.009,38	594.639,53	2.319,445
L13-2	7.410.993,52	593.833,90	2.309,226

<sup>1</sup> Durante el segundo semestre de 2016, el Antepozo del punto L12-1 fue destruido por un camión por lo cual este se reconstruyó. Lo anterior implica un cambio en la cota del punto de referencia desde los 2302,348 a 2302,296 (m.s.n.m) DATUM WGS-84.

Pozo/Reglilla	UTM Norte (m)	UTM Este (m)	Cota Punto Referencia (msnm)
L13-3	7.410.998,36	593.054,20	2.304,814
L13-4	7.410.799,97	592.412,37	2.302,472
L13-5	7.411.029,60	591.375,83	2.301,781
L13-6	7.411.019,59	590.625,64	2.301,813
L13-7	7.411.028,93	589.876,44	2.301,561
L1-4	7.416.184,62	588.137,91	2.300,800
L14-1	7.407.109,56	595.569,21	2.316,875
L14-2	7.407.113,03	594.810,17	2.308,514
L14-3	7.407.115,77	593.698,94	2.302,865
L14-4	7.407.155,28	592.926,14	2.302,025
L14-5	7.407.286,22	592.186,92	2.302,011
L14-6	7.407.328,43	591.425,98	2.301,816
L14-7	7.407.519,58	590.655,99	2.302,283
L1-5	7.415.017,40	584.234,49	2.300,290
L1-6	7.416.216,46	589.607,28	2.301,384
L1-7	7.416.377,66	587.729,78	2.301,458
L1-8	7.416.079,59	584.706,27	2.301,307
L1-9	7.417.742,33	587.632,21	2.301,037
L1-G4 POZO	7414816,62	585210,67	2.300,141
L1-G4 REGLILLA	7.414.816,88	585.209,91	2.300,165
L2-10	7.415.103,77	587.393,93	2.300,721
L2-11	7.412.578,24	586.094,56	2.301,452
L2-12	7.411.424,44	584.748,21	2.301,040
L2-13	7.412.988,93	584.841,10	2.300,931
L2-14	7.410.995,84	581.183,37	2.301,342
L2-15	7.414.216,52	587.447,08	2.301,408
L2-16	7.415.088,34	586.220,87	2.301,232
L2-17	7.414.013,15	584.891,72	2.300,633
L2-18	7.416.049,21	583.665,36	2.301,101
L2-19	7.416.047,04	583.117,58	2.301,184
L2-2	7.416.112,70	599.286,65	2.418,497
L2-20	7.414.991,08	580.892,43	2.301,263
L2-21	7.414.623,11	587.351,84	2.301,218
L2-22	7.416.018,44	584.095,06	2.301,255
L2-23	7.415.762,07	586.243,78	2.301,159
L2-24	7.415.372,73	585.261,40	2.300,618
L2-25	7.414.726,68	592.439,51	2.310,292
L2-26	7.414.918,14	593.786,54	2.323,373
L2-27	7.412.130,85	593.470,53	2.312,887

Pozo/Reglilla	UTM Norte (m)	UTM Este (m)	Cota Punto Referencia (msnm)
L2-28	7.412.131,55	594.586,00	2.320,697
L2-3	7.415.774,08	596.808,82	2.366,941
L2-4	7.414.608,96	591.850,74	2.304,882
L2-5	7.414.004,44	588.272,06	2.300,529
L2-6 (SOPM-7)	7.412.045,65	583.567,77	2.300,668
L2-7	7.415.628,87	593.776,83	2.323,717
L2-8	7.416.184,71	590.828,17	2.303,138
L2-9	7.414.388,91	586.444,89	2.301,344
L3-10	7.409.577,91	591.215,47	2.301,612
L3-11	7.409.581,80	591.057,16	2.301,707
L3-12	7.409.581,41	590.857,32	2.301,858
L3-13	7.409.571,53	590.538,58	2.301,580
L3-14	7.409.571,03	589.772,73	2.301,495
L3-15	7.409.664,06	594.922,47	2.320,062
L3-16	7.409.802,83	597.731,31	2.371,999
L3-2	7.409.615,43	598.844,96	2.395,219
L3-3	7.409.496,34	594.614,77	2.314,614
L3-4 (SOPM-8)	7.408.833,14	587.551,70	2.300,724
L3-5	7.409.547,43	593.776,02	2.304,836
L3-6	7.409.554,85	593.121,38	2.303,532
L3-7	7.409.604,10	592.414,49	2.302,251
L3-8	7.409.579,48	591.523,73	2.302,089
L3-9	7.409.573,46	591.314,03	2.301,643
L4-10 <sup>2</sup>	7.406.210,74	592.251,60	2.301,171
L4-11	7.406.056,46	590.533,41	2.301,333
L4-12	7.406.056,63	590.333,97	2.300,949
L4-13	7.406.057,99	590.201,70	2.300,918
L4-14	7.406.059,64	590.068,60	2.301,228
L4-15	7.406.063,31	589.870,94	2.301,015
L4-16	7.406.099,71	588.869,96	2.301,355
L4-17	7.405.962,95	595.169,37	2.309,002
L4-3	7.406.265,01	596.113,20	2.320,533
L4-4	7.405.733,37	594.797,86	2.306,370
L4-5	7.406.037,02	589.607,69	2.301,229
L4-6	7.405.467,67	585.967,23	2.300,684
L4-7	7.406.037,97	593.769,46	2.302,967
L4-8	7.406.127,78	593.360,43	2.302,821

<sup>2</sup> Con fecha 26 de septiembre de 2019 se efectuó una campaña topográfica de verificación de algunos puntos del PSAH, verificándose para el caso del punto L4-10 una diferencia en su ubicación de 95.74 mts.

Pozo/Reglilla	UTM Norte (m)	UTM Este (m)	Cota Punto Referencia (msnm)
L4-9	7.406.144,43	592.623,50	2.302,175
L5-1	7.403.308,44	600.351,66	2.426,055
L5-10	7.403.629,28	591.910,90	2.301,595
L5-11	7.403.629,66	591.830,74	2.301,643
L5-12	7.403.639,73	591.686,42	2.301,628
L5-13	7.403.659,85	591.481,59	2.301,661
L5-14	7.403.675,64	591.163,34	2.301,442
L5-15	7.403.723,31	590.791,18	2.301,064
L5-2	7.403.455,33	597.045,65	2.334,165
L5-3	7.403.543,67	593.971,42	2.302,716
L5-4	7.403.702,59	589.565,67	2.300,658
L5-6	7.404.843,41	595.818,48	2.312,472
L5-7	7.403.481,35	595.448,97	2.309,688
L5-8	7.403.503,25	594.827,12	2.305,104
L5-9	7.403.630,73	592.139,00	2.302,081
L5-G3 POZO	7.403.837,53	593.160,17	2.301,313
L5-G3 REGLILLA	7.403.843,51	593.160,26	2.301,135
L7-1	7.426.657,16	599.732,77	2.409,614
L7-10	7.420.010,68	586.780,32	2.301,644
L7-11	7.419.861,28	586.521,82	2.301,501
L7-12	7.419.493,44	583.933,51	2.301,489
L7-13	7.422.455,20	594.116,42	2.334,491
L7-14	7.422.403,41	592.286,51	2.318,327
L7-15	7.422.678,15	599.594,22	2.399,546
L7-2	7.425.182,29	597.177,20	2.369,328
L7-3	7.422.583,15	591.858,28	2.314,822
L7-4	7.422.857,86	588.645,26	2.303,122
L7-5	7.420.404,72	583.851,59	2.300,811
L7-6	7.422.551,97	595.207,43	2.347,511
L7-7	7.422.842,99	589.093,50	2.305,543
L7-G1	7.418.821,78	585.706,58	2.300,500
L7-G2 POZO	7.422.646,49	588.066,95	2.301,747
L7-G2 REGLILLA	7.422.647,34	588.065,18	2.301,963
L9-1	7.396.682,17	594.862,35	2.316,571
L9-2	7.396.786,42	594.486,72	2.314,203
LIMNIMETRO LAGUNA INTERNA CONAF	7.382.021,16	586.614,90	2.301,529
REGLILLA LAGUNA INTERNA	7.382.021,41	586.614,80	2.301,456

Pozo/Reglilla	UTM Norte (m)	UTM Este (m)	Cota Punto Referencia (msnm)
LIMNIMETRO LAGUNA SALADA CONAF	7.380.706,85	587.624,63	2.301,919
REGLILLA LAGUNA SALADA CONAF	7.380.706,65	587.624,46	2.301,963
LAGUNA SALADITA LIMNIMETRO CONAF	7.381.471,18	587.023,23	2.301,705
REGLILLA LAGUNA SALADITA CONAF	7.381.471,23	587.023,02	2.301,762
M1-C	7.389.114,68	566.253,54	2.301,875
M2-C	7.389.269,26	558.734,48	2.302,084
M7	7.393.786,88	562.662,52	2.301,738
MULLAY-1	7.422.645,06	599.918,95	2.404,737
P1-1	7.414.806,51	584.113,59	2.300,981
P1-2	7.414.914,37	584.160,13	2.300,561
P1-3	7.415.116,90	584.260,37	2.300,848
P1-4	7.415.196,07	584.319,07	2.300,638
P1-5	7.415.371,58	584.435,04	2.300,868
P1-6	7.415.521,19	584.560,00	2.300,951
P1-7	7.415.711,36	584.675,85	2.301,011
P2	7.396.429,30	596.087,06	2.325,481
P2-1	7.414.518,19	586.394,92	2.301,185
P2-2	7.414.712,53	586.329,18	2.301,133
P2-3	7.414.892,18	586.271,53	2.301,025
P2-4	7.415.282,24	586.212,91	2.301,235
P2-5	7.415.498,33	586.219,67	2.301,118
PUENTE SAN LUIS POZO	7.424.282,45	584.142,70	2.301,742
PUENTE SAN LUIS REGLILLA	7.424.281,17	584.141,11	2.301,915
LIMNIMETRO PUILAR CONAF	7.422.501,95	587.940,45	2.302,111
REGLILLA PUILAR SQM	7.422.497,03	587.947,44	2.301,766
REGLILLA PUILAR CONAF	7.422.502,19	587.940,75	2.302,158
RC-1 <sup>3</sup>	7.418.722,68	585.667,12	2.301,291
RC-2	7.418.806,69	585.190,75	2.301,518
RC-3	7.418.891,06	584.692,25	2.301,690
RC-4	7.418.973,52	584.205,22	2.301,793
RC-5	7.419.052,71	583.702,71	2.301,640

<sup>3</sup> Las coordenadas de los pozos RC-1, RC-2, RC-3, RC-4, RC-5, RC-6 y RC-7 corresponden a las presentadas en el informe N° 8 del PSAH transformadas a WGS-84. Además, debido a la inestabilidad natural que posee el terreno en el punto de ubicación del pozo RC-1 (movimientos en costra salina por saturación de esta), durante septiembre de 2019 se realizó una medición topográfica del punto (ver anexo 3) verificando una variación de 0,167 m respecto a la cota informada durante la construcción del pozo (informe PSAH N°8).

Pozo/Reglilla	UTM Norte (m)	UTM Este (m)	Cota Punto Referencia (msnm)
RC-6	7.419.629,19	583.815,20	2.301,601
RC-7	7.417.527,96	583.752,41	2.301,386
SAMPLE-4	7.379.370,30	553.220,51	2.303,270
SOCAIRE-5B	7.406.165,63	598.163,88	2.361,807
SOPE-6	7.402.011,78	571.691,00	2.301,282
SOPM-10	7.398.886,22	586.801,85	2.300,850
SOPM-11	7.393.742,61	586.119,55	2.301,289
SOPM-12C	7.394.294,05	574.439,39	2.301,288
SOPM-13	7.413.064,81	583.766,44	2.300,940
SOPM-14	7.414.053,45	583.989,19	2.300,622
SOPM-2	7.404.051,55	571.302,23	2.300,871
SOPM-4	7.409.930,50	578.577,31	2.300,912
SOPM-5	7.405.276,74	579.550,51	2.300,916
SOPM-9	7.403.823,46	587.169,69	2.300,793
REGLILLA TILOPOZO	7.369.363,76	577.756,46	2.309,549
ZAR-C-S	7.387.589,96	547.921,52	2.303,141
Est. Meteo. KCI	7.396.240,54	561.376,16	
Est. Meteo. Chaxa	7.424.240,32	583.530,01	
Aforo BN	7.419.414,10	585.318,18	
Aforo Saladita	7.380.535,23	587.408,43	
Aforo Salada	7.379.852,46	589.165,20	
Puente San Luis Aforo	7.424.269,00	584.148,17	