Goliad Water Quality

detection levels in red

PRIVATE WELLS

Location	time	sample date	report date	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	HCO3 mg/L
Abrameit 1	1140	02-Jan-07	13-Feb-07	113	20	95	3.7	314
Abrameit windmill	1318	25-Oct-06	05-Dec-06	88	16	97	2.5	340
Anklam 1	1210	18-Dec-06	16-Jan-07	88	16	99	3.5	328
Bade 1	1005	19-Dec-06	26-Jan-07	110	19	105	3.6	312
Bade 2	1120	19-Dec-06	26-Jan-07	110	18	110	3.6	310
Becker 1	1005	03-Jan-07	14-Feb-07	81	19	120	2.5	362
Bitterly 1	945	02-Jan-07	13-Feb-07	127	20	87	2.4	326
Braquet 1	1320	19-Dec-06	26-Jan-07	290	36	133	2.4	336
Braquet 2	1330	19-Dec-06	26-Jan-07	102	21	115	3.1	337
Breeden 1	1050	22-Dec-06	13-Feb-07	123	12	49	2.0	293
Breeden 2	1110	22-Dec-06	13-Feb-07	195	31	198	4.4	320
Breeden 3	955	22-Dec-06	13-Feb-07	33	14	185	4.2	361
Brown 1	850	03-Jan-07	14-Feb-07	105	19	103	3.6	303
Cheek 1	1300	15-Dec-06	16-Jan-07	108	18	96	3.1	305
Cheek 2	1340	15-Dec-06	16-Jan-07	108	18	95	3.0	306
Dornberg		27-Feb-07	20-Mar-07	108	18	101	3.9	299
Duderstadt 1	1010	15-Dec-06	16-Jan-07	195	12	104	3.9	433
Duderstadt 2	1015	15-Dec-06	16-Jan-07	135	8.3	68	2.1	429
Edwards 1	1100	21-Dec-06	29-Jan-07	100	20	92	3.6	322
Halepaska 1	1030	18-Dec-06	16-Jan-07	125	14	219	2.5	432
Halepaska 2	855	19-Dec-06	26-Jan-07	75	16	128	3.7	331
Hausman 1	1100	15-Dec-06	16-Jan-07	100	15	95	3.9	316
Hausman 2	1150	15-Dec-06	16-Jan-07	125	5.9	21	1.9	340
Jacobs 1	900	14-Dec-06	16-Jan-07	145	16	195	3.2	411
Jacobs 2	1330	14-Dec-06	16-Jan-07	125	13	183	2.7	447
JBluntzer 1	1145	14-Dec-06	16-Jan-07	80	17	79	3.1	334
Jolly 1	1000	21-Dec-06	29-Jan-07	105	20	96	4.3	328
Liesman 1	1300	02-Jan-07	13-Feb-07	140	11	72	2.3	443
Long 1	1305	18-Dec-06	16-Jan-07	105	19	96	3	318
Martin 1	1230	20-Dec-06	29-Jan-07	95	7.6	20	1.6	344
Obluntzer 1	935	18-Dec-06	16-Jan-07	103	11	48	2.1	389
Obluntzer 2	1410	20-Dec-06	29-Jan-07	113	12	44	2.6	375
Rutherford 1	1000	14-Dec-06	16-Jan-07	123	13	83	1.8	458
Rutherford 2	1040	14-Dec-06	16-Jan-07	103	15	69	2.2	388
Schley 1	1250	22-Dec-06	13-Feb-07	115	20	101	3.9	310
Schrade 1	900	02-Jan-07	13-Feb-07	78	17	135	3.7	333
St Peters 1	905	20-Dec-06	29-Jan-07	125	16	124	1.6	504
St Peters 2	935	20-Dec-06	29-Jan-07	340	27	120	3.6	359
Stanford 1	905	21-Dec-06	29-Jan-07	100	18	87	3	309
Tolbert 1	1110	20-Dec-06	29-Jan-07	96	11	80	2.2	399
Tolbert 3	1235	21-Dec-06	29-Jan-07	215	37	210	4.9	317
Wacker 1	1040	02-Jan-07	13-Feb-07	115	21	86	4.2	320
Walker 1	915	15-Dec-06	16-Jan-07	250	35	130	35	271
Wesselman 1	1230	14-Dec-06	16-Jan-07	100	9.3	38	2.2	331
Wimberly 1	1120	03-Jan-07	14-Feb-07	83	16	113	3.7	325

ORE ZONES

Location	time	sample date	report date	Ca mg/L	Mg mg/L	Na mg/L	K mg/L	HCO3 mg/L
RBLA-1	738	07-Aug-07	27-Aug-07	97	10	36	3.3	328
RBLA-2	1242	10-Jul-07	01-Aug-07	91	6	69	11	288
RBLA-3		21-Feb-07	20-Mar-07	110	9.3	50	3.7	249
RBLA-4	835	07-Aug-07	27-Aug-07	140	10	115	5.1	323
RBLA-5	1423	10-Jul-07	01-Aug-07	83	4.8	44	11	281
RBLB-1	1145	12-Jul-07	01-Aug-07	100	19	98	6.6	332
RBLB-2		21-Feb-07	20-Mar-07	78	10	94	18	255
RBLB-3	1030	12-Jul-07	01-Aug-07	91	16	95	8.9	302
RBLB-4	1503	11-Jul-07	01-Aug-07	101	20	100	7.1	325
RBLB-5	1250	12-Jul-07	01-Aug-07	88	17	94	4.4	340
RBLC-1	933	11-Jul-07	01-Aug-07	75	15	92	15	295
RBLC-2	1203	11-Jul-07	01-Aug-07	71	9.8	97	12	249
RBLC-3	1033	07-Aug-07	27-Aug-07	80	17	97	4.2	340
RBLC-4	1322	11-Jul-07	01-Aug-07	81	17	100	7.1	344
RBLC-7		22-Feb-07	20-Mar-07	95	17	96	4.8	328
RBLD-1		21-Feb-07	20-Mar-07	88	19	106	4.5	334
RBLD-2	930	07-Aug-07	27-Aug-07	74	17	110	4.1	341
RBLD-3A	1130	16-Aug-07	05-Sep-07	68	14	105	6	330
RBLD-5		21-Feb-07	20-Mar-07	73	18	114	7.1	295
RBLD-6		21-Feb-07	20-Mar-07	90	17	106	4.7	318

SO4	Cl	NO3-N	F	SiO2	TDS	pH	As	Cd
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
45	178	1.4	0.65	33	668	7.37	0.005	0.001
20	148	0.01	0.57	28	546	7.56	0.028	0.0001
38	131	2.0	0.51	31	600	7.23	0.001	0.0001
60	178	1.3	0.51	40	685	7.39	0.002	0.0001
60	178	1.5	0.57	42	665	7.33	0.003	0.0001
46	126	0.13	0.79	39	638	7.43	0.001	0.0001
42	182	2.1	0.62	29	665	7.26	0.002	0.0001
21	583	14	0.34	54	1370	7.27	0.007	0.0001
58	164	0.01	0.60	40	685	7.38	0.001	0.0001
35	124	1.2	0.43	42	543	7.38	0.009	0.0001
84	468	0.01	0.47	38	1280	7.26	0.001	0.0001
26	176	0.01	0.60	26	643	7.57	0.001	0.0001
37	180	1.6	0.57	38	693	7.35	0.002	0.0001
41	183	1.7	0.65	42	648	7.15	0.002	0.0002
43	179	1.6	0.65	41	653	7.18	0.003	0.0001
35	201	1.3	0.49	34	613	7.56	0.005	0.0001
72	206	21	0.27	37	857	6.99	0.002	0.0001
27	95	11	0.26	37	630	7.02	0.003	0.0001
43	166	1.5	0.65	35	675	7.48	0.003	0.0001
99	254	10	0.6	57	1030	7.14	0.035	0.0001
38	146	1.4	0.62	32	608	7.4	0.001	0.0001
35	146	2.1	0.47	36	600	7.27	0.001	0.0001
14	44	5.4	0.18	31	440	7.18	0.003	0.0001
118	258	7.4	0.62	58	1020	7.19	0.016	0.0001
78	193	11	0.97	72	910	7.52	0.016	0.0001
21	99	0.54	0.62	28	485	7.35	0.001	0.0001
43	160	1.8	0.62	35	663	7.42	0.004	0.0001
38	84	5.4	0.3	36	621	7.18	0.004	0.0001
55	173	0.6	0.62	42	646	7.28	0.002	0.0001
8	19	2.9	0.4	36	390	7.44	0.005	0.0001
19	40	2.7	0.38	64	455	7.29	0.007	0.0001
15	56	4.9	0.65	59	520	7.37	0.008	0.0001
26	101	0.39	0.43	58	620	7.03	0.005	0.0001
8	106	0.06	0.42	45	538	7.23	0.003	0.0001
82	166	1.4	0.62	41	693	7.42	0.002	0.0001
40	162	1.4	0.65	31	618	7.53	0.001	0.0001
27	124	3	0.55	63	751	7.27	0.008	0.0001
184	474	10	0.21	37	1510	7.12	0.002	0.0001
43	162	2.7	0.6	37	670	7.64	0.003	0.0001
30	64	1.3	0.97	61	550	7.44	0.011	0.0001
119	533	0.01	0.45	37	1440	7.22	0.001	0.0001
37	175	3.1	0.7	31	645	7.38	0.001	0.0001
535	226	0.01	0.49	40	1420	7.13	0.001	0.0001
18	59	0.7	0.23	39	397	7.2	0.001	0.0001
2	165	0.01	0.43	32	600	7.5	0.001	0.0001

SO4	Cl	NO3-N	F	SiO2	TDS	pH	As	Cd
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	SU	mg/L	mg/L
43	44	0.1	0.5	35	400	7.39	0.003	0.01
38	116	0.1	0.7	54	550	7.43	0.034	0.01
16	139	0.01	0.53	46	540	7.42	0.031	0.0001
56	218	0.1	0.8	41	782	7.11	0.045	0.01
29	62	0.1	0.5	36	422	7.48	0.015	0.01
82	161	0.1	0.7	32	644	7.43	0.006	0.01
29	151	0.01	0.55	32	560	7.6	0.007	0.0003
41	163	0.1	0.7	32	614	7.79	0.003	0.01
69	150	0.1	0.7	32	666	7.54	0.004	0.01
9	163	0.1	0.8	32	584	7.63	0.009	0.01
57	130	0.1	0.6	24	558	7.59	0.009	0.01
32	125	0.1	0.6	22	534	7.94	0.024	0.01
11	150	0.1	0.5	26	510	7.45	0.006	0.01
11	130	0.1	0.5	25	566	7.71	0.004	0.01
38	146	0.01	0.55	30	540	7.48	0.001	0.0001
10	164	0.01	0.49	29	598	7.48	0.003	0.0001
12	164	0.1	0.5	28	534	7.59	0.001	0.01
6	158	0.1	0.5	29	568	7.54	0.001	0.11
19	164	0.01	0.39	30	575	7.49	0.01	0.0001
13	168	0.01	0.51	34	623	7.57	0.002	0.0001

Fe	Pb	Mn	Hg	Mo	Se	U	Ra	Notes
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	
0.01	0.001	0.03	0.0002	0.1	0.003	0.003	1.0	
0.05	0.001	0.24	0.0002	0.1	0.001	0.004	1.9	
0.01	0.001	0.01	0.0002	0.1	0.002	0.003	0.7	
0.01	0.001	0.01	0.0002	0.1	0.001	0.002	0.6	
0.01	0.001	0.01	0.0002	0.1	0.002	0.002	1.0	
0.03	0.001	0.01	0.0002	0.1	0.001	0.004	0.2	
0.02	0.001	0.01	0.0002	0.1	0.006	0.002	0.5	
0.01	0.001	0.01	0.0002	0.1	0.003	0.003	0.6	CaCl2 cont
0.04	0.001	0.01	0.0002	0.1	0.001	0.002	29	Ra
0.02	0.001	0.01	0.0002	0.1	0.012	0.004	12	Ra
1.1	0.001	0.03	0.0002	0.1	0.001	0.001	15	CaCl2 cont
0.8	0.001	0.01	0.0002	0.1	0.001	0.001	1.1	
0.03	0.001	0.01	0.0002	0.1	0.002	0.002	0.4	
0.01	0.001	0.01	0.0002	0.1	0.002	0.001	0.4	
0.01	0.001	0.01	0.0002	0.1	0.002	0.001	2.0	
0.01	0.001	0.01	0.0002	0.1	0.001	0.003	0.5	
0.01	0.001	0.01	0.0002	0.1	0.004	0.002	0.3	
0.01	0.001	0.01	0.0002	0.1	0.002	0.005	0.3	
0.01	0.001	0.01	0.0002	0.1	0.002	0.003	0.3	
0.01	0.001	0.01	0.0002	0.1	0.001	0.004	0.3	Na, HCO3,
0.01	0.001	0.01	0.0002	0.1	0.003	0.004	1.0	
0.01	0.001	0.01	0.0002	0.1	0.002	0.002	0.3	
0.01	0.001	0.01	0.0002	0.1	0.002	0.001	1.1	
0.01	0.001	0.01	0.0002	0.1	0.004	0.002	0.6	Na, HCO3,
0.02	0.001	0.01	0.0002	0.1	0.003	0.002	0.2	Na, HCO3,
0.02	0.001	0.01	0.0002	0.1	0.001	0.009	0.6	
0.03	0.001	0.01	0.0002	0.1	0.001	0.003	0.8	
0.01	0.001	0.01	0.0002	0.1	0.003	0.004	0.6	
0.01	0.001	0.01	0.0002	0.1	0.001	0.003	1.1	
0.01	0.001	0.01	0.0002	0.1	0.001	0.003	0.8	
0.01	0.001	0.01	0.0002	0.1	0.001	0.002	0.3	
0.06	0.001	0.01	0.0002	0.1	0.002	0.001	0.7	
0.01	0.001	0.01	0.0002	0.1	0.001	0.001	0.2	
0.01	0.001	0.24	0.0002	0.1	0.001	0.001	0.3	
0.04	0.001	0.01	0.0002	0.1	0.002	0.003	1.1	
0.02	0.001	0.01	0.0002	0.1	0.002	0.004	0.4	
0.03	0.001	0.01	0.0002	0.1	0.004	0.003	0.2	
0.01	0.001	0.01	0.0002	0.1	0.005	0.003	0.2	CaCl2 cont
0.02	0.001	0.01	0.0002	0.1	0.002	0.002	0.2	
0.01	0.001	0.01	0.0002	0.1	0.002	0.001	0.1	
0.06	0.001	0.03	0.0002	0.1	0.001	0.001	16	CaCl2 cont
0.01	0.001	0.01	0.0002	0.1	0.004	0.002	0.4	
0.02	0.001	0.1	0.0002	0.1	0.001	0.003	1.1	CaCl2 cont
0.02	0.001	0.01	0.0002	0.1	0.001	0.001	0.3	
0.05	0.001	0.03	0.0002	0.1	0.001	0.001	0.5	

Fe	Pb	Mn	Hg	Mo	Se	U	Ra	
mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	pCi/L	
0.03	0.05	0.01	0.001	0.1	0.001	0.0176	735	
0.03	0.05	0.01	0.001	0.4	0.004	0.286	989	
0.01	0.001	0.01	0.0002	0.3	0.001	0.127	3160	
0.03	0.05	0.01	0.001	0.4	0.002	0.147	904	
0.03	0.05	0.01	0.001	0.2	0.002	0.266	937	
0.03	0.05	0.02	0.001	0.1	0.001	0.0615	393	
0.02	0.001	0.01	0.0002	0.1	0.001	0.059	12	
0.03	0.05	0.02	0.001	0.1	0.002	0.0797	111	
0.03	0.05	0.01	0.001	0.1	0.001	0.006	37	
0.03	0.05	0.02	0.001	0.1	0.001	0.06	1090	
0.03	0.05	0.01	0.001	0.1	0.005	0.0081	10	
0.03	0.05	0.01	0.001	1.9	0.024	6.68	692	Mo and U c
0.03	0.05	0.01	0.001	0.1	0.001	0.0309	71	
0.05	0.05	0.01	0.001	0.1	0.001	0.0546	136	
0.01	0.001	0.02	0.0002	0.1	0.006	0.02	18	
0.02	0.001	0.01	0.0002	0.1	0.001	0.037	50	
0.03	0.05	0.01	0.001	0.1	0.003	0.0168	207	
0.03	0.05	0.01	0.001	0.1	0.001	0.0058	539	
0.01	0.001	0.01	0.0002	0.1	0.001	0.035	442	
0.01	0.001	0.01	0.0002	0.1	0.001	0.019	1040	

amination?

amination? Ra

SO4, Cl, NO3

SO4, Cl, NO3
NO3

amination? SO4 & NO3

amination? Na, SO4 & Ra

amination? Na, SO4

:orrect?