

Appendix B

PIEZOMETER CONSTRUCTION

Location = transect number or restoration site: Other = between Laguna Larga and CILA restoration sites. Type of data collected: c = continuous water level, d = discrete water level. Status: d = dry, x = destroyed, f = functioning. Owner: UABC = Universidad Autonoma de Baja California, SI = Sonoran Institute; information on piezometers owned by Restauremos el Colorado are not available for this report. MP Elev = measuring point elevation; m a.s.l = meters above sea level; m b.l.s = meters below land surface.

Site name	Location	Coordinates UTM Zone 11 WGS84		Type of Data Collected	Status	MP Elev (m a.s.l) NAVD88	Total Depth (m b.l.s)	Screen Depth (m b.l.s)	Owner
		X	Y						
N1	P1-1	711,916.57	3,619,048.46	c, d	f	37.03	8.21	7-8.2	CONAGUA
N2	P1-1	712,019.67	3,618,978.44	c, d	f	35.57	6.75	5.7-6.7	CONAGUA
N3	P1-2	708,826.44	3,613,971.88	c, d	f	34.90	unknown	>100	UABC
N4	P1-2	709,244.46	3,613,684.78	c, d	f	31.66	4.27	4.27-3.27	CONAGUA
N5	P1-3	706,119.20	3,607,700.45	c, d	d	28.64	5.86	5.86-4.86	CONAGUA
N6	P1-3	706,315.05	3,607,762.51	c, d	d	28.57	2.83	SEDIMENTED	UABC
N7	P1-4	705,333.72	3,603,893.10	c, d	d	26.77	8.15	8.1-7.1	UABC
N8	P1-4	705,451.49	3,604,064.36	c, d	d	27.32	8.63	8.63-7.63	UABC
MA1-A	P2-1	704,825.57	3,602,602.79	d	f	25.67	18.91	18.91-17.91	PRONATURA
MA2-A	P2-1	704,575.67	3,602,002.18	d	f	27.987	20.93	20.93-19.93	PRONATURA
MA3-A	P2-2	704,153.55	3,602,083.36	d	f	25.686	21.82	21.82-20.82	PRONATURA
MA4-A	P2-2	705,115.23	3,601,363.11	d	f	27.399	20.615	20.61-19.61	PRONATURA
MA1	P2-1	704,435.12	3,602,659.63	c, d	d	25.16	9.29	9.29-8.29	UABC-PRONATURA
MA2	P2-1	704,957.63	3,602,481.52	c, d	d	22.83	4.51	SEDIMENTED	UABC-PRONATURA
MA3	P2-1	705,644.50	3,602,341.68	c, d	d	26.98	8.11	SEDIMENTED	CONAGUA
MA4	P2-1	706,047.70	3,602,172.90	c, d	d	23.13	2.32	2.32-1.32	UABC-PRONATURA
MA5	P2-2	704,469.09	3,601,494.32	c, d	d	26.73	9.61	9.61-8.61	UABC-PRONATURA
MA6	P2-2	705,093.87	3,601,423.91	c, d	d	26.14	7.70	7.7-6.7	UABC-PRONATURA
MA7	P2-2	705,619.57	3,601,524.82	c, d	d	27.22	8.81	8.8-7.8	UABC
MA8	P2-3	705,074.99	3,600,266.92	c, d	d	26.23	8.89	8.8-7.8	UABC
MA9	P2-3	705,456.30	3,600,249.25	c, d	d	25.96	8.48	8.4-7.4	UABC
MA10	P2-4	704,756.38	3,599,321.82	c, d	d	25.44	12.19	12.19-11.19	CONAGUA
MA11	P2-4	705,368.73	3,599,350.23	c, d	d	25.90	10.53	10.53-9.53	UABC
MA12	P2-4	705,706.58	3,599,335.20	c, d	d	25.44	10.79	10.79-9.79	UABC

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		X	Y						
MA13	P3-1	704,873.47	3,598,252.61	c, d	d	25.15	10.52	10.52-9.52	UABC
MA14	P3-1	705,100.68	3,598,266.69	c, d	d	25.33	11.37	11.37-10.37	UABC
MA15	P3-1	705,243.66	3,598,225.14	c, d	d	24.99	11.04	11-10'	CONAGUA
P1	P3-4	699,537.00	3,597,004.95	c, d	d	22.02	12.75	12-11'	CONAGUA
P2	P3-4	699,350.55	3,595,972.39	c, d	d	22.55	13.67	13.6-12.6	UABC
P3	P3-4	699,319.37	3,595,638.77	c, d	d	23.32	13.78	13.7-12.7	UABC
P4	P3-4	699,257.88	3,595,200.98	c, d	d	22.70	12.41	12.4-11.4	UABC
P5	P3-5	693,616.99	3,591,553.95	c, d	d	20.56	9.33	9.3-8.3	CONAGUA
P6	P3-5	693,809.99	3,591,423.01	c, d	d	21.02	8.70	8.7-7.7	UABC
P7	P3-5	694,054.97	3,591,288.98	c, d	d	20.32	12.10	12.1-11.1	UABC
P8	P3-5	694,350.98	3,591,089.95	c, d	d	19.65	10.44	10.4-9.4	UABC
P9	P3-6	691,519.99	3,583,881.97	c, d	d	17.52	8.47	8.4-7.4	CONAGUA
P10	P3-6	691,628.04	3,583,838.00	c, d	x	15.47	7.07	7.07-6.07	UABC
P11	P3-6	691,683.00	3,583,808.98	c, d	x	17.56	9.45	9.45-8.45	UABC
P12	P3-6	691,954.97	3,583,742.96	c, d	x	16.20	7.44	7.4-6.4	UABC
P13	P3-2	705,461.33	3,596,385.65	c, d	x	28.52	18.28	18.2-17.2	CONAGUA
P14	P3-2	705,244.14	3,596,478.12	c, d	f	24.77	15.99	15.9-14.9	UABC
P15	P3-2	705,124.88	3,596,559.24	c, d	f	25.07	17.06	17.06-16.06	UABC
P16	P3-2	704,973.24	3,596,675.51	d	d	25.32	16.12	16.12-15.12	UABC
P17	P3-3	702,370.24	3,594,659.43	c, d	f	24.15	15.94	15.9-14.9	CONAGUA
P18	P3-3	702,318.12	3,595,136.73	c, d	f	24.07	15.27	15.2-14.2	UABC
P19	P3-3	702,165.98	3,595,718.95	d	d	25.63	13.85	13.8-12.8	UABC
P20	P3-3	702,005.86	3,596,199.75	c, d	d	24.64	12.13	12.1-11.1	UABC
CH-1	P4-2	684,838.96	3,572,126.01	c, d	x	18.11	7.68	7.6-6.6	CONAGUA

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		X	Y						
CH-2	P4-2	684,449.23	3,572,028.11	c, d	x	16.82	8.14	8.1-7.1	UABC
CH-3	P4-2	684,277.25	3,572,082.35	c, d	f	15.43	5.00	SEDIMENTED	UABC
CH-3a	P4-2	684,146.28	3,572,093.46	c, d	f	16.03	7.30	7.3-6.3	UABC
CH-4	P4-2	684,057.38	3,572,046.63	c, d	f	15.27	6.90	6.9-5.9	UABC
CH-5	P4-1	689,263.88	3,577,344.91	c, d	f	16.71	6.97	6.9-5.9	CONAGUA
CH-6	P4-1	689,109.10	3,577,408.80	c, d	f	14.69	7.40	7.4-6.4	UABC
CH-7	P4-1	688,926.41	3,577,446.64	c, d	x	19.48	10.10	10.1-9.1	UABC
CH-8	P4-1	688,776.12	3,577,552.61	c, d	f	19.42	8.79	8.7-7.7	CONAGUA
RC1	P4-3	683,035.64	3,569,351.85	c, d	f	15.48	8.28	8.2-7.2	UABC
RC2	P4-3	683,310.17	3,569,377.08	c, d	f	15.40	5.96	5.9-4.9	CONAGUA
RC3	P4-3	683,579.99	3,569,341.01	c, d	f	16.01	6.33	6.3-5.3	UABC
RC4	P4-3	683,700.22	3,569,314.61	c, d	f	15.08	4.37	4.3-3.3	UABC
RC5	P4-5	681,578.11	3,566,897.76	c, d	f	13.85	7.49	7.4-6.4	UABC
RC6	P4-5	681,714.15	3,566,445.20	c, d	f	13.93	5.39	5.3-4.3	CONAGUA
RC7	P4-5	681,866.71	3,566,127.13	c, d	f	12.38	2.92	SEDIMENTED	UABC
RC8	P4-5	681,864.87	3,565,940.37	c, d	f	13.90	5.36	5.3-4.3	UABC
RC9	P4-4	682,625.86	3,567,489.88	c, d	f	14.44	4.20	4.2-3.2	CONAGUA
RC10	P4-4	682,817.58	3,567,235.41	c, d	f	13.80	5.02	5.02-4.02	UABC
RC11	P4-4	683,183.89	3,567,117.63	c, d	f	14.66	6.01	6.01-5.01	UABC
RC12	P4-4	683,506.00	3,566,750.34	c, d	f	14.89	5.81	5.8-4.8	UABC
RC13	P4-6	678,111.16	3,565,428.64	c, d	f	11.98	5.38	5.3-4.3	UABC
RC14	P4-6	678,244.31	3,565,351.75	c, d	f	12.33	6.04	6.04-5.04	CONAGUA
RC15	P4-6	678,768.33	3,565,005.57	c, d	f	12.46	7.28	7.2-6.2	UABC
RC16	P4-6	679,223.81	3,564,687.09	c, d	f	12.23	7.32	7.3-6.3	CONAGUA

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		X	Y						
RC17	P5-1	675,678.30	3,564,205.24	c, d	f	11.79	5.90	5.9-4.9	CONAGUA
RC18	P5-1	675,820.58	3,563,564.94	c, d	f	11.70	9.49	9.4-8.4	UABC
RC21	P5-2	673,577.32	3,564,097.58	c, d	f	11.20	4.97	4.9-3.9	CONAGUA
RC22	P5-2	673,540.33	3,563,720.93	c, d	f	11.46	5.15	5.1-4.1	UABC
RC23	P5-2	673,457.02	3,563,355.51	c, d	f	10.88	6.13	6.1-5.1	UABC
RC24	P5-2	673,629.83	3,563,050.44	c, d	f	11.22	6.92	6.9-5.9	CONAGUA
RC25	P5-1	676,262.74	3,563,197.91	c, d	f	10.85	4.44	4.4-3.4	UABC
RC26	P5-3	672,087.70	3,563,968.70	c, d	f	11.03	9.74	9.7-8.7	UABC
RC27	P5-3	672,300.50	3,563,396.19	c, d	f	10.93	6.83	6.8-5.8	CONAGUA
RC28	P4-6	678,201.55	3,564,551.17	c, d	f	12.05	4.65	4.6-3.6	UABC
RC29	P4-6	678,358.40	3,564,350.21	c, d	f	12.69	6.91	6.9-5.9	UABC
H1	Herradura	682,064.01	3,566,572.67	d	f	12.97	2.22	0.55 - 2.13	SI
H2	Herradura	681,934.20	3,566,914.90	d	f	13.06	2.23	0.61 - 2.22	SI
H3	Herradura	681,814.19	3,567,175.58	d	f	12.28	2.38	0.74 - 2.37	SI
H4	Herradura	681,979.35	3,567,269.02	d	f	12.73	2.52	0.85 - 2.40	SI
H5	Herradura	681,945.22	3,567,367.39	d	f	12.76	5.48	1.50 - 2.73	SI
H6	Herradura	682,189.85	3,567,351.10	d	f	12.97	5.33	3.02 - 3.61	SI
H7	Herradura	682,375.13	3,567,136.43	d	f	12.79	3.65	2.04 - 2.91	SI
H8	Herradura	682,528.89	3,566,813.32	d	f	14.11	4.72	1.95 - 2.93	SI
CORI 1	CORI	680,500.71	3,566,605.13	d	f	12.35	3.57	1.54 - 2.93	SI
CORI 2	CORI	680,766.86	3,566,242.09	d	f	13.64	5.36	3.26 - 4.30	SI
CORI 3	CORI	679,731.82	3,566,479.19	d	f	13.25	6.4	2.50 - 3.78	SI
CORI 4	CORI	679,818.04	3,565,973.39	d	f	13.25	6.49	2.65 - 3.89	SI
CORI 5	CORI	678,907.79	3,566,018.63	d	f	13.01	6.82	2.29 - 3.58	SI

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		X	Y						
CORI 6	CORI	678,962.84	3,565,764.46	d	f	12.45	5.14	1.84 - 3.17	SI
CORI 7	CORI	681,154.20	3,566,600.76	d	f	12.66	6.05	2.16 - 3.32	SI
CORI 8	CORI	680,306.98	3,566,248.26	d	f	12.47	5.09	1.98 - 2.93	SI
CORI 9	CORI	679,392.39	3,566,010.64	d	f	12.80	4.74	2.35 - 3.39	SI
CORI 10	CORI	678,705.29	3,565,560.87	d	f	12.71	5.09	2.32 - 3.41	SI
Cila Nuevo	CILA	677,701.60	3,564,964.48	d	f	12.41	6.85	2.01 - 3.81	SI
Isla CILA	CILA	677,849.25	3,564,875.42	d	f	11.34	4.51	1.01 - 2.6	SI
PZ1	CILA	678,202.38	3,564,549.99	d	f	12.02	4.62	1.51 - 3.40	SI
PZ2	CILA	678,358.48	3,564,350.19	d	f	12.72	6.36	2.35 - 4.22	SI
PZ3	CILA	678,673.86	3,564,305.14	d	f	12.95	5.3	2.00 - 4.15	SI
PZ4	CILA	678,563.91	3,564,561.98	d	f	12.34	5.05	1.58 - 3.46	SI
PZ5	CILA	678,473.17	3,564,725.86	d	f	12.22	5.73	1.25 - 3.55	SI
PZ6	CILA	678,802.99	3,564,697.00	d	f	12.56	5.02	1.98 - 3.57	SI
PZ7	CILA	678,660.03	3,564,865.48	d	f	11.96	5.91	1.32 - 4.06	SI
IZ1	Other	679,511.33	3,565,435.45	d	f	12.42	4.17	2.36 - 3.25	SI
IZ2	Other	679,811.21	3,565,025.09	d	f	13.35	6.6	3.42 - 4.48	SI
IZ3	Other	680,910.74	3,565,828.97	d	f	13.18	5.41	2.90 - 4.61	SI
IZ4	Other	681,028.51	3,565,511.26	d	f	13.91	5.82	3.87 - 4.82	SI
E1	Estuary	673,317.79	3,544,913.32	d	f	4.99	6.68	1.80 - 2.58	SI
E2	Estuary	671,289.42	3,547,143.99	d	f	5.54	6.21	2.04 - 2.99	SI
E3	Estuary	670,015.63	3,544,927.13	d	f	5.12	3.03	2.12 - 3.51	SI
E5	Estuary	669,169.53	3,546,078.97	d	f	5.34	6.65	2.22 - 3.20	SI
E8	Estuary	671,194.01	3,555,766.54	d	f	6.30	6.35	4.88 - 5.18	SI
E9	Estuary	673,384.86	3,553,795.34	d	f	5.70	5.94	3.88 - 4.15	SI

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		X	Y						
E10	Estuary	676,662.00	3,550,877.00	d	f	4.12	4.61	2.22 - 2.98	SI
E11	Estuary	679,417.00	3,546,407.00	d	f	3.75	4.99	1.48 - 1.97	SI

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GROUNDWATER LEVELS SUMMARY

N/a = not applicable (the piezometer did not go dry). M a.s.l = meters above sea level.

Site Name	Period of Record			Groundwater elevation during Period of Record (m a.s.l)				
	Start Date	End Date	1st dry yr	Min	Min Date	Max	Max Date	Average
N1	2/10/2014	11/1/17	n/a	30.025	10/23/17	32.022	4/3/2014	31.02
N2	2/10/2014	11/1/17	n/a	29.493	3/18/2015	32.850	3/29/2014	31.17
N3	2/10/2014	11/1/17	n/a	26.630	3/23/2014	27.728	9/10/2014	27.18
N4	2/10/2014	11/1/17	n/a	27.538	22/09/2017	32.276	3/29/2014	29.91
N5	2/10/2014	11/1/17	2016	22.852	2/24/2017	26.750	4/4/2014	24.80
N6	2/10/2014	11/1/17	2014	19.183	4/25/2015	31.157	3/30/2014	25.17
N7	2/10/2014	11/1/17	2016	18.652	7/13/2016	26.845	4/2/2014	22.75
N8	2/10/2014	11/1/17	2016	19.541	4/25/2015	27.468	4/2/2014	23.50
MA1-A	7/24/2017	12/19/17	n/a	15.867	23/11/2017	16.047	24/07/2017	15.95
MA2-A	7/24/2017	12/19/17	n/a	15.084	21/08/2017	15.147	23/11/2017	15.11
MA3-A	7/24/2017	12/19/17	n/a	10.540	23/10/2017	14.492	23/11/2017	13.73
MA4-A	7/24/2017	12/19/17	n/a	15.728	23/10/2017	15.859	24/07/2017	15.76
MA1	2/10/2014	11/1/17	2017	16.158	7/26/2016	18.493	5/25/2014	17.33
MA2	2/10/2014	11/1/17	2014	18.543	8/2/2014	19.435	5/18/2014	18.99
MA3	2/12/2014	11/1/17	2016	18.994	2/18/2016	21.187	4/21/2014	20.09
MA4	2/12/2014	11/1/17	2014	21.067	3/24/2014	26.203	3/30/2014	23.64
MA5	2/12/2014	11/1/17	2014	17.403	6/28/2014	17.847	5/25/2014	17.62
MA6	2/12/2014	11/1/17	2014	18.611	8/6/2014	19.637	5/10/2014	19.12
MA7	2/12/2014	11/1/17	2016	18.353	4/28/2015	21.720	4/5/2014	20.04
MA8	2/12/2014	11/1/17	2014	17.905	3/23/2014	18.827	5/5/2014	18.37
MA9	2/12/2014	11/1/17	2014	18.063	3/23/2014	22.761	4/3/2014	20.41
MA10	2/12/2014	11/1/17	2014	13.604	3/31/2014	15.342	5/15/2014	14.47
MA11	2/12/2014	11/1/17	2014	15.599	3/23/2014	17.870	5/4/2014	16.73
MA12	2/12/2014	11/1/17	2016	14.907	3/15/2016	22.131	4/4/2014	18.52
MA13	2/17/2014	11/1/17	2014	15.391	5/15/2014	16.291	4/22/2014	15.84
MA14	2/17/2014	11/1/17	2014	14.637	6/7/2014	18.390	4/5/2014	16.51
MA15	2/17/2014	11/1/17	2014	14.219	3/23/2014	23.507	4/3/2014	18.86
P1	2/18/2014	11/1/17	2014	10.933	7/18/2014	17.414	5/2/2014	14.17
P2	2/18/2014	11/1/17	2015	9.262	3/29/2014	11.240	5/10/2014	10.25

Appendix B

GROUNDWATER LEVELS SUMMARY

N/a = not applicable (the piezometer did not go dry). M a.s.l = meters above sea level.

Site Name	Period of Record			Groundwater elevation during Period of Record (m a.s.l)				
	Start Date	End Date	1st dry yr	Min	Min Date	Max	Max Date	Average
P3	2/18/2014	11/1/17	2014	10.064	3/29/2014	15.922	4/7/2014	12.99
P4	2/18/2014	11/1/17	2014	10.697	4/18/2014	12.214	4/5/2014	11.46
P5	2/18/2014	11/1/17	2014	11.442	4/9/2014	13.907	6/18/2014	12.67
P6	2/18/2014	11/1/17	2014	12.357	10/28/2014	15.309	5/4/2014	13.83
P7	2/18/2014	11/1/17	2016	8.184	11/5/2016	16.938	5/7/2014	12.56
P8	2/18/2014	11/1/17	2015	9.857	3/31/2014	18.277	5/2/2014	14.07
P9	2/11/2014	11/1/17	2016	9.366	3/17/2016	14.399	5/3/2014	11.88
P10	2/11/2014	11/1/17	2014	8.350	4/2/2014	15.793	4/4/2014	12.07
P11	2/11/2014	11/1/17	2015	10.148	12/30/2014	14.866	5/2/2014	12.51
P12	2/11/2014	11/1/17	2015	9.815	12/31/2014	11.570	5/11/2014	10.69
P13	2/18/2014	11/1/17	2016	10.451	4/16/2015	16.854	4/20/2014	13.65
P14	2/18/2014	11/1/17	n/a	8.804	16/05/2017	17.663	4/11/2014	13.23
P15	2/17/2014	11/1/17	n/a	9.136	23/10/2017	20.037	4/3/2014	14.59
P16	2/17/2014	11/1/17	2017	9.302	04/21/16	11.939	03/19/15	10.62
P17	2/18/2014	11/1/17	n/a	9.092	2/23/2017	14.981	5/20/2014	12.04
P18	2/18/2014	11/1/17	n/a	9.942	2/23/2017	20.140	5/2/2014	15.04
P19	2/19/2014	11/1/17	2016	11.813	10/20/2016	17.367	5/22/2014	14.59
P20	2/19/2014	11/1/17	2016	12.487	11/5/2016	17.916	5/9/2014	15.20
CH1	2/25/2014	11/1/17	2015	11.426	9/15/2015	12.197	5/10/2014	11.81
CH2	2/25/2014	11/1/17	2017	11.580	10/27/2015	12.579	20/07/2017	12.08
CH3	2/19/2014	11/1/17	n/a	11.858	10/24/2015	12.759	11/28/2016	12.31
CH3A	2/19/2014	11/1/17	n/a	12.012	10/24/2015	13.927	11/26/2016	12.97
CH4	2/19/2014	11/1/17	n/a	12.114	10/13/2015	14.261	7/29/2016	13.19
CH5	2/25/2014	11/1/17	n/a	11.947	18/05/2017	13.817	5/5/2014	12.88
CH6	2/25/2014	11/1/17	n/a	11.726	18/05/2017	14.407	4/6/2014	13.07
CH7	2/19/2014	11/1/17	2017	11.871	11/15/2016	14.117	5/2/2014	12.99
CH8	2/19/2014	11/1/17	n/a	11.548	3/16/2017	13.147	5/3/2014	12.35
RC1	2/11/2014	11/1/17	n/a	11.855	10/26/2015	13.045	4/10/2016	12.45
RC2	2/11/2014	11/1/17	n/a	10.790	11/6/2014	12.042	5/10/2014	11.42

Appendix B

GROUNDWATER LEVELS SUMMARY

N/a = not applicable (the piezometer did not go dry). M a.s.l = meters above sea level.

Site Name	Period of Record			Groundwater elevation during Period of Record (m a.s.l)				
	Start Date	End Date	1st dry yr	Min	Min Date	Max	Max Date	Average
RC3	2/11/2014	11/1/17	n/a	10.744	11/9/2014	11.714	4/23/2016	11.23
RC4	2/25/2014	11/1/17	n/a	9.381	3/16/2017	11.821	4/25/2016	10.60
RC5	2/25/2014	11/1/17	n/a	8.797	11/18/2014	10.709	19/07/2017	9.75
RC6	2/25/2014	11/1/17	n/a	8.880	11/29/2014	10.469	16/08/2017	9.67
RC7	2/25/2014	11/1/17	n/a	9.075	11/10/2014	11.522	9/29/2016	10.30
RC8	2/25/2014	11/1/17	n/a	8.779	11/16/2014	10.890	20/07/2017	9.83
RC9	2/25/2014	11/1/17	n/a	9.848	3/24/2014	11.904	8/11/2015	10.88
RC10	2/25/2014	11/1/17	n/a	9.014	11/14/2016	11.194	19/07/2017	10.10
RC11	2/25/2014	11/1/17	n/a	11.220	8/3/2015	11.684	12/13/2016	11.45
RC12	2/25/2014	11/1/17	n/a	10.957	9/16/2014	12.214	19/07/2017	11.59
RC13	2/25/2014	11/1/17	n/a	8.101	11/25/2014	10.124	4/21/2016	9.11
RC14	2/25/2014	11/1/17	n/a	8.140	11/24/2014	10.072	16/08/2017	9.11
RC15	2/25/2014	11/1/17	n/a	8.337	12/4/2014	11.974	11/4/2015	10.16
RC16	2/25/2014	11/1/17	n/a	8.163	12/1/2014	9.919	18/08/2017	9.04
RC17	2/25/2014	11/1/17	n/a	6.896	9/17/2015	8.122	19/09/2017	7.51
RC18	2/25/2014	11/1/17	n/a	5.804	9/5/2014	9.072	10/2/2016	7.44
RC21	2/11/2014	11/1/17	n/a	5.804	9/5/2014	6.877	20/09/2017	6.34
RC22	2/11/2014	11/1/17	n/a	6.135	9/1/2016	7.575	12/31/2016	6.86
RC23	2/11/2014	11/1/17	n/a	5.592	12/4/2014	7.168	18/08/2017	6.38
RC24	2/25/2014	11/1/17	n/a	5.703	12/27/2014	7.127	22/11/2017	6.41
RC25	3/21/2014	11/1/17	n/a	7.209	10/23/2014	9.033	18/08/2017	8.12
RC26	2/25/2014	11/1/17	n/a	4.668	8/11/2015	5.685	20/09/2017	5.18
RC27	2/25/2014	11/1/17	n/a	4.624	11/7/2014	5.743	16/08/2017	5.18
RC28	2/25/2014	11/1/17	n/a	8.186	12/4/2014	10.237	5/26/2015	9.21
RC29	2/25/2014	11/1/17	n/a	7.961	12/27/2014	10.320	5/17/2015	9.14
H1	7/24/2015	11/1/17	n/a	10.84	11/17/2017	12.42	9/23/2016	11.61
H2	7/24/2015	11/1/17	n/a	10.83	6/24/2017	12.45	9/23/2016	11.63
H3	7/24/2015	11/1/17	n/a	9.91	11/17/2017	11.54	9/23/2016	10.74
H4	7/24/2015	11/1/17	n/a	10.34	11/17/2017	11.88	9/23/2016	11.14

Appendix B

GROUNDWATER LEVELS SUMMARY

N/a = not applicable (the piezometer did not go dry). M a.s.l = meters above sea level.

Site Name	Period of Record			Groundwater elevation during Period of Record (m a.s.l)				
	Start Date	End Date	1st dry yr	Min	Min Date	Max	Max Date	Average
H5	12/11/2015	11/1/17	n/a	10.03	6/16/2016	11.26	9/23/2016	10.78
H6	12/11/2015	11/1/17	n/a	9.36	6/29/2016	9.95	9/30/2016	9.68
H7	12/11/2015	11/1/17	n/a	9.88	6/29/2016	10.75	9/29/2017	10.31
H8	12/11/2015	11/1/17	n/a	11.18	6/29/2016	12.16	9/30/2016	11.57
CORI 1	7/15/2014	11/1/17	n/a	9.43	3/31/2017	10.81	12/2/2014	10.09
CORI 2	7/15/2014	11/1/17	n/a	8.05	9/30/2016	9.09	12/8/2014	8.69
CORI 3	7/15/2014	11/1/17	n/a	9.86	4/15/2016	11.14	11/13/2014	10.55
CORI 4	7/15/2014	11/1/17	n/a	9.36	3/31/2017	10.60	11/5/2014	10.05
CORI 5	7/15/2014	11/1/17	n/a	9.66	4/28/2015	10.96	12/18/2015	10.34
CORI 6	7/15/2014	11/1/17	n/a	9.84	4/22/2016	11.16	12/2/2014	10.61
CORI 7	12/11/2015	11/1/17	n/a	9.13	3/17/2017	10.29	8/18/2017	9.63
CORI 8	12/11/2015	11/1/17	n/a	9.73	4/21/2017	10.69	12/29/2015	10.30
CORI 9	12/11/2015	11/1/17	n/a	9.08	4/21/2017	10.12	1/8/2016	9.72
CORI 10	1/15/2016	11/1/17	n/a	9.81	8/13/2016	10.48	9/30/2016	10.17
Cila Nuevo	12/1/2015	11/1/17	n/a	7.52	8/9/2016	11.39	9/27/2016	10.69
Isla CILA	12/1/2015	11/1/17	n/a	7.52	8/9/2016	9.33	4/19/2016	8.47
PZ1	4/9/2010	11/1/17	n/a	8.62	1/27/2014	10.51	5/18/2011	9.57
PZ2	4/9/2010	11/1/17	n/a	8.50	11/29/2013	10.37	5/5/2015	9.39
PZ3	5/18/2011	11/1/17	n/a	8.80	8/23/2017	10.95	8/5/2011	9.77
PZ4	5/18/2011	11/1/17	n/a	8.88	1/7/2014	10.75	5/5/2015	9.78
PZ5	5/18/2011	11/1/17	n/a	8.67	12/6/2012	10.97	5/18/2011	9.56
PZ6	5/18/2011	11/1/17	n/a	8.99	1/27/2014	10.58	11/14/2017	9.81
PZ7	5/18/2011	11/1/17	n/a	7.90	9/7/2011	10.65	7/19/2015	9.42
IZ1	12/1/2015	11/1/17	n/a	9.16	1/12/2016	10.05	3/17/2017	9.69
IZ2	12/1/2015	11/1/17	n/a	8.87	8/9/2016	9.94	4/12/2016	9.33
IZ3	12/1/2015	11/1/17	n/a	8.58	12/21/2015	10.29	4/25/2017	9.95
IZ4	12/1/2015	11/1/17	n/a	9.09	8/3/2016	10.04	4/19/2016	9.67
E1	4/30/2016	11/1/17	n/a	2.41	30/11/2016	3.19	30/04/2016	2.69
E2	4/30/2016	11/1/17	n/a	2.55	30/11/2016	3.50	30/04/2016	2.66

Appendix B

GROUNDWATER LEVELS SUMMARY

N/a = not applicable (the piezometer did not go dry). M a.s.l = meters above sea level.

Site Name	Period of Record			Groundwater elevation during Period of Record (m a.s.l)				
	Start Date	End Date	1st dry yr	Min	Min Date	Max	Max Date	Average
E3	4/30/2016	11/1/17	n/a	1.61	30/11/2016	3.00	30/04/2016	2.44
E5	4/30/2016	11/1/17	n/a	2.14	30/11/2016	3.12	30/04/2016	2.46
E8	4/30/2016	11/1/17	n/a	1.12	6/9/2017	1.42	30/04/2016	1.33
E9	4/30/2016	11/1/17	n/a	1.55	12/11/2017	1.82	30/04/2016	1.66
E10	4/30/2016	11/1/17	n/a	1.59	30/11/2016	1.90	30/04/2016	1.68
E11	4/30/2016	11/1/17	n/a	1.78	26/01/2017	2.27	6/9/2017	2.09

Appendix B

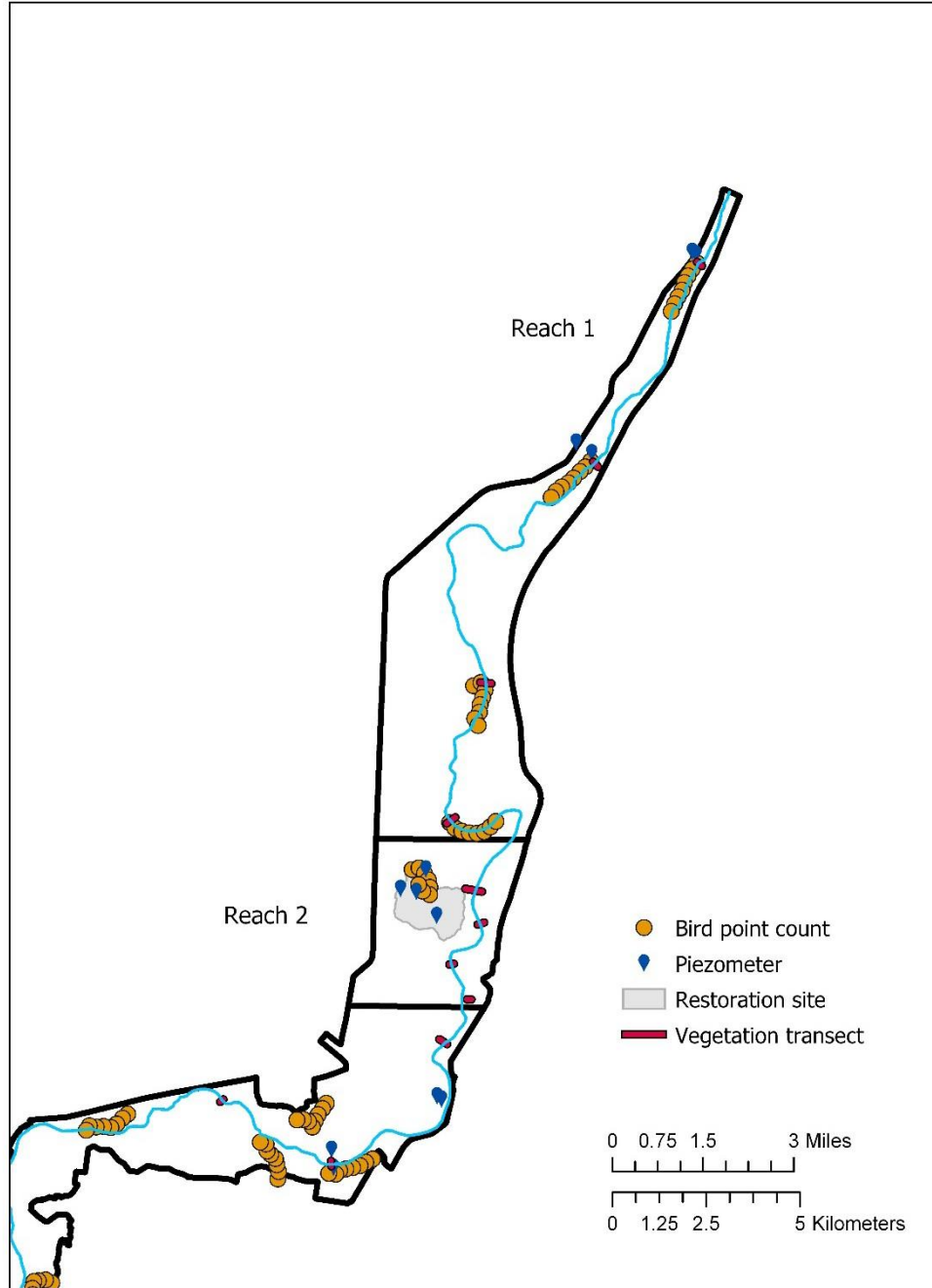
DISCHARGE MONITORING STATIONS AND DATA SUMMARY

Location: R = reach number.

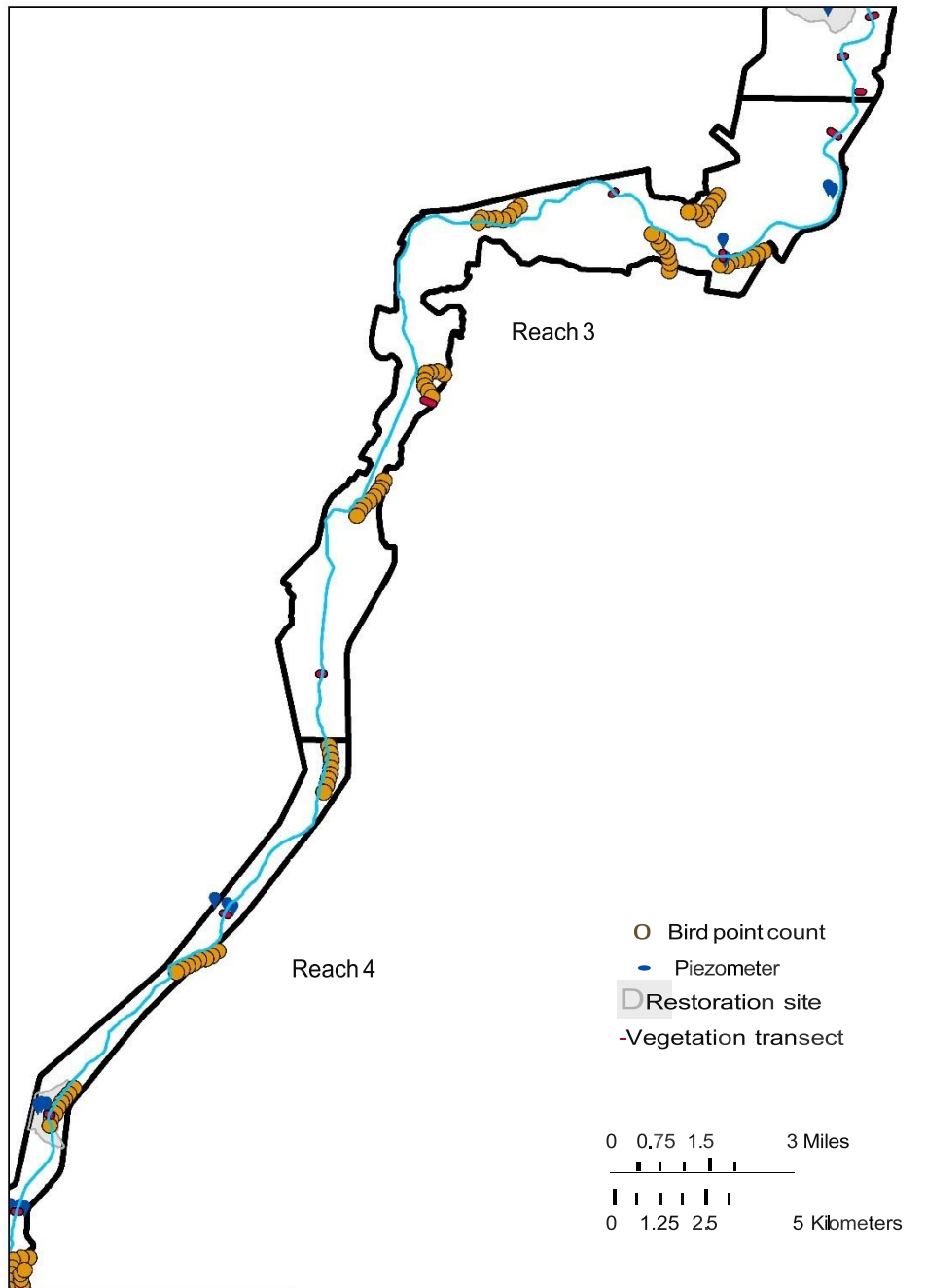
Site	Location	Owner	Period of Record		Discharge During Period of Record (m ³ /s)				
			Start Date	End Date	Min	Min Date	Max	Max Date	Median
NIB	Northern International Boundary	CILA	4/23/2014	None					
DMS-0	Below Morelos Dam, R1	USGS	3/27/2014	4/23/2014	0.398	4/23/2014	112.450	3/29/2014	50.831
DMS-1	Below Morelos Dam, R1	USGS	3/24/2014	3/27/2014	34.869	3/24/2014	61.999	3/25/2014	50.246
DMS-2	5.5 km downstream Morelos Dam, R1	USGS	3/24/2014	4/23/2014	1.555	4/23/2014	102.740	3/29/2014	48.149
DMS-3	26.5 km downstream Morelos Dam, R2	USGS	3/24/2014	3/27/2014	32.543	3/24/2014	57.043	3/26/2014	43.852
DMS-3A	27 km downstream Morelos Dam, R2	USGS	3/29/2014	4/23/2014	1.317	4/23/2014	78.779	3/30/2014	38.593
DMS-4	SIB, 33.5 km downstream Morelos Dam, R3	IBWC	3/26/2014	4/21/2014	0.290	4/21/2014	70.059	3/31/2014	24.620
DMS-5	Km 27 Spillway, R3	UABC	4/13/2014	5/2/2014	6.197	4/13/2014	21.977	4/27/2014	13.456
SIFON	37 km downstream Morelos Dam, R3	UABC	3/29/2014	4/7/2014	14.014	4/7/2014	59.936	3/31/2014	46.164
DMS-6	46.5 km downstream Morelos Dam, R3	UABC	3/29/2014	5/3/2014	0.785	4/19/2014	35.945	4/3/2014	12.370
DMS-7	61 km downstream Morelos Dam, R3	UABC	4/3/2014	5/3/2014	0.130	4/11/2014	15.133	4/4/2014	4.503
DMS-8	68 km downstream Morelos Dam, R4	UABC	3/23/2014	5/7/2014	0.075	4/13/2014	7.227	4/5/2014	2.155
DMS-9	Km 18 Spillway, R4	UABC	5/5/2014	5/20/2014	0.336	5/20/2014	8.219	5/9/2014	4.388
DMS-10	79 km downstream Morelos Dam, R4	UABC	3/23/2014	5/20/2014	0.053	4/4/2014	9.180	5/5/2014	2.782
DMS-11	86.7 km downstream Morelos Dam, R4	UABC	3/23/2014	5/25/2014	0.003	4/24/2014	7.243	5/6/2014	2.253
DMS-12	91.6 km downstream Morelos Dam, R5	UABC	4/9/2014	5/25/2014	0.053	4/15/2014	7.148	5/11/2014	3.046
DMS-13	Hardy River Campo Muñoz, R6	UABC	3/24/2014	5/20/2014	0.131	5/17/2014	1.006	5/11/2014	0.538
DMS-14	Ayala Drain, R7	UABC	3/24/2014	5/20/2014	0.186	5/18/2014	0.649	4/30/2014	0.446
DMS-15	121.6 km downstream Morelos Dam, R7	UABC	3/24/2014	5/25/2014	0.086	4/16/2014	0.922	4/2/2014	0.411

Appendix B

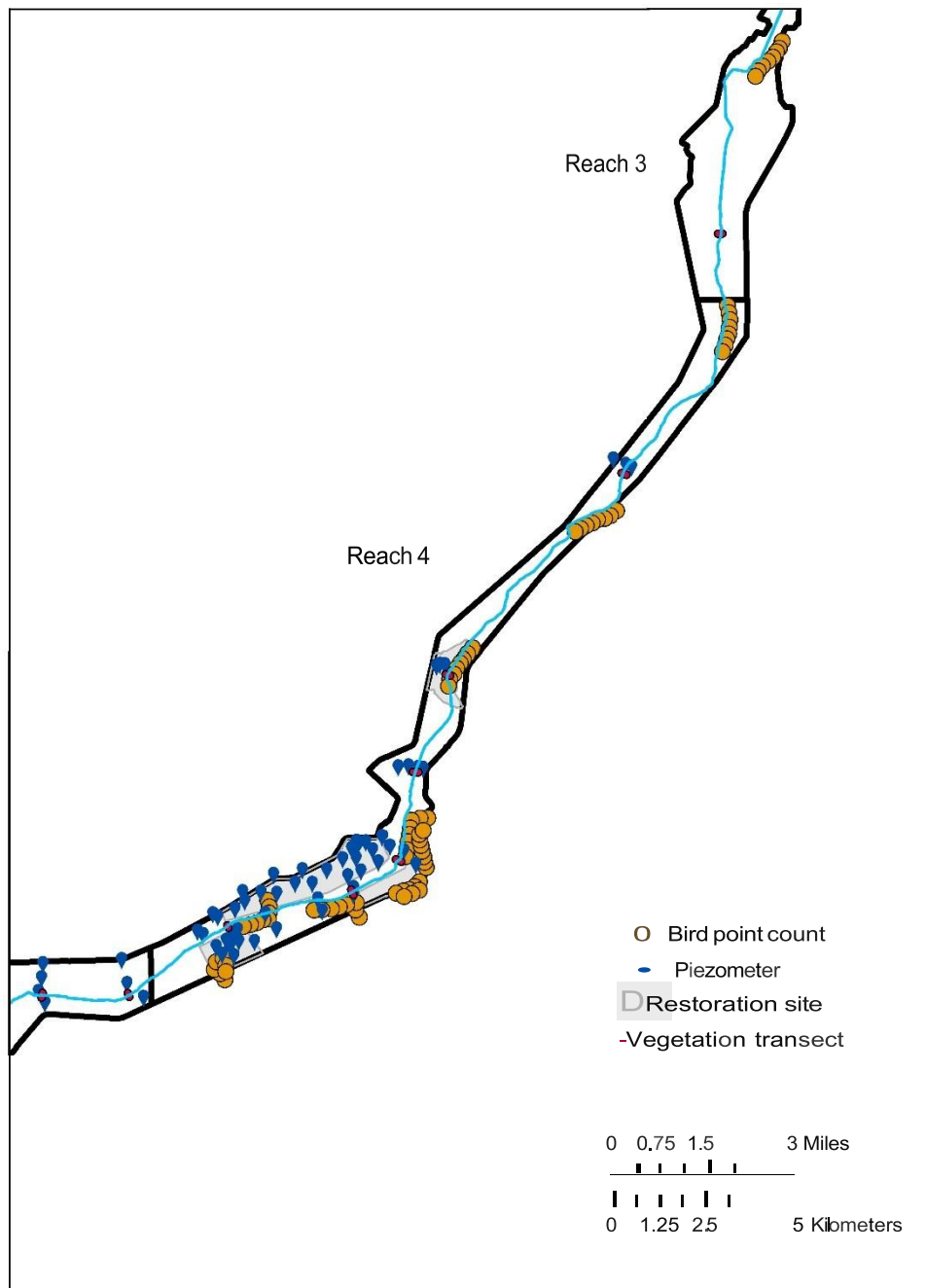
Maps of piezometer locations in the riparian corridor



Appendix B



Appendix B



Appendix B

