

Appendix E – GPS Location Coordinates for Baseline Soil Borings

Soil Salinity Monitoring Report



**GPS location coordinates of baseline soil salinity sampling sites
September 18, 2012**

GPS locations of the San Joaquin River Restoration Program Baseline Soil Salinity monitoring sites are presented below. All sites are in 10S except for 22-10. Site 22-10 is in 11s. The first number in the site code is the site number, the second number is the year sampled. For example 17-10 and 17-11 were sampled at the same site in different years.

Site	UTM NAD83		Waypoint
	Easting	Northing	
1-10	743958	4073204	104
2-10	736518	4074698	105
3-10	736511	4074537	106
4-10	735406	4074621	107
5-10	735693	4074638	109
6-10	734938	4074468	110
7-10	731237	4079776	111
8-10	731536	4079437	112
9-10	730099	4080196	113
10-10	729656	4080526	114
11-10	737207	4074296	116
12-10	737721	4074671	117
13-10	738647	4074095	118
14-10	739503	4073486	119
15-10	735002	4074018	120
16-10	728982	4081271	121
17-10	739808	4073906	124
18-10	726118	4085697	125
19-10	725981	4085529	126
20-10	726116	4085357	127
21-10	726869	4083892	128
22-10	233102	4080241, 11s	130
23-10	740770	4072941	131
24-10	741754	4072461	132
25-10	721838	4097966	133
26-10	722797	4095765	134
27-10	723109	4095236	135
28-10	721708	4098727	136
29-10	725576	4091086	137
30-10	723784	4093984	138
31-10	723402	4095264	139

Site	UTM NAD83		Waypoint
	Easting	Northing	
32-10	724460	4093302	140
33-10	725061	4092447	141
34-10	724126	4089859	142
35-10	725652	4090182	143
36-10	725237	4090139	144

Site	Easting	Northing	Waypoint	Notes
37-10	714092	4109387	145	
38-10	714031	4109080	146	
39-10	713755	4108999	147	
40-10	712012	4110379	148	
41-10	711064	4110893	149	
42-10	712295	4110390	150	
43-10	711758	4110101	151	
44-10	711289	4109758	152	
45-10	703868	4111691	154	
46-10	704703	4112769	155	
47-10	704328	4113606	156	
48-10	705403	4113163	157	
49-10	707252	4113542	158	
50-10	705937	4113452	159	
51-10	705676	4114894	160	
52-10	705717	4116285	161	
53-10	705634	4113574	162	
54-10	698816	4115433	163	
55-10	699005	4115943	164	
56-10	718476	4100781	165	
57-10	719203	4100082	166	
58-10	719887	4099522	167	
59-10	718297	4103525	168	
60-10	716834	4110324	169	
61-10	714651	4111886	170	
62-10	714672	4114100	171	
63-10	715114	4108450	172	
64-10	714130	4107879	173	
65-10	719604	4099044	175	
66-10	718624	4101241	176	
67-10	718966	4100103	178	
68-10	712042	4110742	179	No samples
69-10	712715	4111540	180	

Site	Easting	Northing	Waypoint	Notes
70-10	713208	4112305	181	
71-10	730072	4079781	182	
72-10	729721	4079490	183	
73-10	729694	4079575	184	
74-10	707115	4113044	250	WGS84
75-10	712174	4110871	185	
76-10	739814	4073740	186	
77-10	744554	4073219	187	
78-10	715386	4111497	246	WGS84 ns
79-10	714907	4111237	190	

San Juan Ranch Baseline Sites Datum (WGS84)

Site	Latitude (degrees, minutes, seconds)	Longitude (degrees, minutes, seconds)	Waypoint	Notes
DF-1	37 6 44.16	120 35 31.21	279	
DF-2	37 6 48.32	120 35 55.59	280	
L-66/L-68	37 6 29.28	120 35 33.59	278	Maybe same site
L50	37 6 17.57	120 35 23.56		
L48	37 6 7.71	120 35 12.20	277	
L28	37 5 51.59	120 34 46.37	276	
L26	37 5 40.60	120 34 44.34	275	
L21	37 5 27.02	120 34 29.16	274	

The San Juan Ranch (Nickel Farms) sites were first sampled in September along with sites 37-10, 38-10, 39-10, and 64-10. These sites were all resampled in April of 2011 and were added to the baseline salinity site inventory.

New sites 2011; datum WGS84				
Site	Easting	Northing	Waypoint	Notes
80-11	733822	4076266	210	UTM
81-11	733498	4076819	211	UTM
82-11	734475	4076599	212	UTM
83-11	732587	4077523	213	UTM
84-11	715190	4112578	214	UTM
85-11	716410	4111659	215	UTM
86-11	716357	4105337	216	UTM
87-11	716724	4105380	217	UTM
88-11	717105	4104884	218	UTM

Site	Latitude	Longitude	Waypoint	Notes
89-11	710940	4111180	219	UTM
90-11	710005	4112976	220	UTM
91-11	709974	4114980	221	UTM
92-11	708928	4114999	222	UTM
93-11	706811	4114311	223	UTM
94-11	706396	4116632	224	UTM
95-11	36.8006	120.161	239	Latitude/Longitude
96-11	36.7665	120.265	240	Latitude/Longitude
97-11	36.7688	120.238	241	Latitude/Longitude
98-11	36.7666	120.241	242	Latitude/Longitude
99-11	36.9405	120.474	244	Latitude/Longitude
100-11	36.7834	120.349	245	Latitude/Longitude
101-11	37.1639	120.77	247	Latitude/Longitude
78-11	37.1251	120.576	246	Latitude/Longitude

New sites 2012; UTM WGS84				
Site	Easting	Northing	Waypoint	Notes
102-12	740981	4072645	255	
103-12	741408	4072344	256	
104-12	741273	4072906	257	
105-12	740979	4072332	258	
106-12	734349	4076799	262	
107-12	715970	4106967	263	
108-12	715891	4107295	264	
109-12	715608	4107125	265	
110-12	715446	4110580	266	
111-12	714487	4110028	268	
112-12	714584	4109516	269	
113-12	715406	4110089	270	
114-12	716246	4110114	271	EM only
115-12	716451	4109626	272	EM only
116-12	719312	4102130	282	
117-12	732383	4078668	285	EM only