

Appendix 3: Summary of CMP Data

Table 3-a. Summary of mean turbidity quartile by site group and season.

Site Group	Season	N	Mean Turb. (NTU) Quart.			
			25th	50th	75th	IQR
Gabilan	All	10	65	161	482	418
Gabilan	Dry	10	52	94	307	255
Gabilan	Wet	10	153	256	636	483
All CMP	All	47	26	63	210	184
All CMP	Dry	46	20	39	118	97
All CMP	Wet	47	49	111	289	240
Outside Gabilan	All	37	16	36	137	121
Outside Gabilan	Dry	36	12	23	65	53
Outside Gabilan	Wet	37	21	72	195	174

Note: All Cooperative Monitoring Program (CMP) data were downloaded from the California Environmental Data Exchange Network (CEDEN). Samples from tidally influenced sites were removed from the dataset. The remaining All CMP samples came from 47 sites, comprising of the Gabilan group (N = 10) and the Outside Gabilan group (N = 37). Quartiles (25th, 50th, and 75th percentiles) and the interquartile range (IQR) were computed for each site-season combination.

Table 3-b. Turbidity quartiles and the IQR by site and season.

Site Group	Site	Season	Turb. (NTU) Percentiles				
			n	25th	50th	75th	IQR
Outside Gabilan	305BRS	All	30	10	18	46	36
Outside Gabilan	305BRS	Dry	13	14	19	44	30
Outside Gabilan	305BRS	Wet	17	10	18	46	37
Outside Gabilan	305CAN	All	109	2	6	17	15
Outside Gabilan	305CAN	Dry	28	2	4	14	13
Outside Gabilan	305CAN	Wet	81	3	6	19	16
Outside Gabilan	305CHI	All	165	9	22	50	41
Outside Gabilan	305CHI	Dry	67	8	20	45	37
Outside Gabilan	305CHI	Wet	98	11	26	55	44
Outside Gabilan	305COR	All	136	10	19	38	28
Outside Gabilan	305COR	Dry	54	10	18	40	30
Outside Gabilan	305COR	Wet	82	10	20	37	28
Outside Gabilan	305FRA	All	140	40	112	193	152
Outside Gabilan	305FRA	Dry	52	89	152	218	129
Outside Gabilan	305FRA	Wet	88	36	77	164	128
Outside Gabilan	305FUF	All	27	38	62	99	61
Outside Gabilan	305FUF	Dry	12	55	63	116	61
Outside Gabilan	305FUF	Wet	15	22	54	92	70
Outside Gabilan	305LCS	All	149	2	4	7	5
Outside Gabilan	305LCS	Dry	59	1	4	6	5
Outside Gabilan	305LCS	Wet	90	2	4	9	8
Outside Gabilan	305PJP	All	162	5	16	31	26
Outside Gabilan	305PJP	Dry	66	4	7	17	14
Outside Gabilan	305PJP	Wet	96	9	19	57	47

Site Group	Site	Season	Turb. (NTU) Percentiles				
			n	25th	50th	75th	IQR
Outside Gabilan	305SJA	All	167	7	14	22	15
Outside Gabilan	305SJA	Dry	69	6	9	16	10
Outside Gabilan	305SJA	Wet	98	10	17	27	17
Outside Gabilan	305TSR	All	156	17	36	79	62
Outside Gabilan	305TSR	Dry	61	19	36	101	83
Outside Gabilan	305TSR	Wet	95	16	36	66	50
Outside Gabilan	305WCS	All	29	2	4	9	7
Outside Gabilan	305WCS	Dry	13	2	2	4	2
Outside Gabilan	305WCS	Wet	16	4	5	23	20
Outside Gabilan	305WSA	All	115	16	40	110	95
Outside Gabilan	305WSA	Dry	38	14	23	99	85
Outside Gabilan	305WSA	Wet	77	17	55	119	102
Gabilan	309ALG	All	158	47	119	321	274
Gabilan	309ALG	Dry	67	27	55	157	130
Gabilan	309ALG	Wet	91	72	196	612	540
Gabilan	309ASB	All	157	19	36	71	53
Gabilan	309ASB	Dry	67	12	23	42	30
Gabilan	309ASB	Wet	90	27	51	102	75
Outside Gabilan	309CCD	All	59	35	96	369	334
Outside Gabilan	309CCD	Dry	30	30	70	466	436
Outside Gabilan	309CCD	Wet	29	51	113	316	265
Gabilan	309ESP	All	161	45	108	361	317
Gabilan	309ESP	Dry	67	13	69	217	204
Gabilan	309ESP	Wet	94	65	153	536	471
Gabilan	309GAB	All	41	236	432	1526	1290
Gabilan	309GAB	Dry	13	236	349	1685	1449

Site Group	Site	Season	Turb. (NTU) Percentiles				
			n	25th	50th	75th	IQR
Gabilan	309GAB	Wet	28	239	530	1507	1267
Gabilan	309JON	All	160	23	52	147	124
Gabilan	309JON	Dry	68	18	26	44	26
Gabilan	309JON	Wet	92	43	102	275	232
Gabilan	309MER	All	162	54	107	214	159
Gabilan	309MER	Dry	69	42	76	122	80
Gabilan	309MER	Wet	93	67	156	367	300
Gabilan	309NAD	All	119	41	94	374	333
Gabilan	309NAD	Dry	55	42	108	266	225
Gabilan	309NAD	Wet	64	40	83	555	515
Gabilan	309OLD	All	114	36	89	177	141
Gabilan	309OLD	Dry	49	26	75	108	83
Gabilan	309OLD	Wet	65	56	102	222	166
Gabilan	309RTA	All	15	78	461	1412	1334
Gabilan	309RTA	Dry	7	48	71	273	224
Gabilan	309RTA	Wet	8	841	1042	1790	949
Gabilan	309TEH	All	162	69	114	220	151
Gabilan	309TEH	Dry	69	57	88	159	102
Gabilan	309TEH	Wet	93	84	140	399	315
Outside Gabilan	310CCC	All	134	1	2	4	3
Outside Gabilan	310CCC	Dry	50	1	2	3	2
Outside Gabilan	310CCC	Wet	84	1	2	4	3
Outside Gabilan	310LBC	All	46	1	2	4	3
Outside Gabilan	310LBC	Dry	11	1	2	2	2
Outside Gabilan	310LBC	Wet	35	1	3	5	4
Outside Gabilan	310PRE	All	156	8	10	16	8

Site Group	Site	Season	Turb. (NTU) Percentiles				
			n	25th	50th	75th	IQR
Outside Gabilan	310PRE	Dry	67	8	10	14	6
Outside Gabilan	310PRE	Wet	89	8	10	21	13
Outside Gabilan	310USG	All	154	2	3	5	3
Outside Gabilan	310USG	Dry	66	2	3	4	2
Outside Gabilan	310USG	Wet	88	1	3	6	4
Outside Gabilan	310WRP	All	102	1	2	6	5
Outside Gabilan	310WRP	Dry	40	1	1	3	2
Outside Gabilan	310WRP	Wet	62	2	4	11	10
Outside Gabilan	312BCC	All	55	24	142	574	549
Outside Gabilan	312BCC	Dry	23	9	26	154	145
Outside Gabilan	312BCC	Wet	32	96	373	900	804
Outside Gabilan	312BCJ	All	157	25	59	191	166
Outside Gabilan	312BCJ	Dry	71	19	33	84	65
Outside Gabilan	312BCJ	Wet	86	37	107	277	240
Outside Gabilan	312GVS	All	114	4	14	66	62
Outside Gabilan	312GVS	Dry	50	4	6	17	14
Outside Gabilan	312GVS	Wet	64	11	36	115	104
Outside Gabilan	312MSD	All	153	18	43	119	102
Outside Gabilan	312MSD	Dry	64	12	21	40	28
Outside Gabilan	312MSD	Wet	89	33	75	191	159
Outside Gabilan	312OFC	All	166	17	63	264	246
Outside Gabilan	312OFC	Dry	72	8	43	148	139
Outside Gabilan	312OFC	Wet	94	28	95	425	397
Outside Gabilan	312OFN	All	162	7	18	40	33
Outside Gabilan	312OFN	Dry	70	4	7	20	16
Outside Gabilan	312OFN	Wet	92	15	25	50	35

Site Group	Site	Season	Turb. (NTU) Percentiles				
			n	25th	50th	75th	IQR
Outside Gabilan	312ORC	All	163	54	183	456	401
Outside Gabilan	312ORC	Dry	71	53	137	412	358
Outside Gabilan	312ORC	Wet	92	68	192	502	434
Outside Gabilan	312ORI	All	166	8	19	88	80
Outside Gabilan	312ORI	Dry	72	6	10	23	16
Outside Gabilan	312ORI	Wet	94	13	54	171	158
Outside Gabilan	312SMA	All	156	52	118	219	167
Outside Gabilan	312SMA	Dry	69	27	85	179	152
Outside Gabilan	312SMA	Wet	87	69	154	247	178
Outside Gabilan	312SMI	All	28	7	34	1723	1716
Outside Gabilan	312SMI	Dry	8	3	5	8	5
Outside Gabilan	312SMI	Wet	20	28	900	3000	2972
Outside Gabilan	313SAE	All	1	142	142	142	0
Outside Gabilan	313SAE	Wet	1	142	142	142	0
Outside Gabilan	314SYF	All	112	4	7	14	11
Outside Gabilan	314SYF	Dry	47	2	5	9	7
Outside Gabilan	314SYF	Wet	65	6	11	18	12
Outside Gabilan	314SYL	All	55	1	3	8	7
Outside Gabilan	314SYL	Dry	17	1	3	4	3
Outside Gabilan	314SYL	Wet	38	1	5	20	19
Outside Gabilan	314SYN	All	88	2	5	14	12
Outside Gabilan	314SYN	Dry	29	1	4	8	7
Outside Gabilan	314SYN	Wet	59	2	6	15	13
Outside Gabilan	315APF	All	77	1	2	4	3
Outside Gabilan	315APF	Dry	31	1	1	3	2
Outside Gabilan	315APF	Wet	46	1	2	5	4

Site Group	Site	Season	n	Turb. (NTU) Percentiles			
				25th	50th	75th	IQR
Outside Gabilan	315BEF	All	124	1	3	5	4
Outside Gabilan	315BEF	Dry	49	1	2	3	2
Outside Gabilan	315BEF	Wet	75	1	3	14	12
Outside Gabilan	315FMV	All	154	2	4	7	4
Outside Gabilan	315FMV	Dry	66	3	4	7	5
Outside Gabilan	315FMV	Wet	88	2	3	6	4
Outside Gabilan	315GAN	All	155	2	3	8	6
Outside Gabilan	315GAN	Dry	66	2	3	5	3
Outside Gabilan	315GAN	Wet	89	2	4	15	13
Outside Gabilan	315LCC	All	11	2	4	7	5
Outside Gabilan	315LCC	Dry	4	2	3	7	5
Outside Gabilan	315LCC	Wet	7	3	4	7	4

Table 3-c. Site descriptions and locations.

Site	Description	Latitude	Longitude
305BRS	Beach Road Ditch at Shell Rd.	36.869781	-121.8151627
305CAN	Carnadero Creek upstream of Pajaro River	36.959942	-121.5345612
305CHI	Pajaro River at Chittenden Gap	36.900330	-121.5961533
305COR	Salsipuedes Creek downstream of Corralitos Creek	36.912754	-121.7437210
305FRA	Pajaro River at Frazier Lake Road	36.963421	-121.4908295
305FUF	Furlong Creek at Frazier Lake Road	36.976681	-121.5104675
305LCS	Llagas Creek @ Southside	36.989311	-121.5328598
305PJP	Pajaro River at Porter/Main	36.904400	-121.7503967
305SJA	San Juan Creek @ Anzar Rd	36.875359	-121.5614090
305TSR	Tequisquita Slough upstream Pajaro River @ Shore Rd	36.942501	-121.4448318
305WCS	Watsonville Creek (aka Corncob Canyon) at Elkhorn Rd/Hudson Lndg	36.873852	-121.7452087
305WSA	Watsonville Slough upstream Harkins Slough	36.890514	-121.8007126

Site	Description	Latitude	Longitude
309ALG	Salinas Reclamation Canal @ La Guardia	36.656830	-121.6135025
309ASB	Alisal Slough @ White Barn	36.725449	-121.7301712
309CCD	Chualar Creek west of Highway 101	36.559738	-121.5096436
309ESP	Espinosa Slough upstream of Alisal Slough	36.736839	-121.7338562
309GAB	Gabilan Creek @ Independence Rd and East Boranda Rd	36.692234	-121.6291809
309JON	Salinas Reclamation Canal @ San Jon Rd	36.702469	-121.7086792
309MER	Merrit Ditch upstream from Hwy 183	36.751839	-121.7420807
309NAD	Natividad Creek upstream from Salinas Reclamation Canal	36.708080	-121.5995789
309OLD	Old Salinas River at Monterey Dunes Way	36.772289	-121.7878571
309RTA	Santa Rita Creek @ Santa Rita Creek Park	36.725403	-121.6500473
309TEH	Tembladero Slough @ Haro	36.759319	-121.7548676
310CCC	Chorro Creek upstream from Chorro Flats	35.357460	-120.8121033
310LBC	Los Berros Creek @ Century	35.103062	-120.5788879
310PRE	Prefumo Creek @ Calle Joaquin	35.246872	-120.6817093
310USG	Arroyo Grande Creek @ old USGS gage	35.124451	-120.5691299
310WRP	Warden Creek @ Wetlands Restoration Preserve	35.320671	-120.8060989
312BCC	Bradley Canyon Creek @ culvert	34.935352	-120.3559189
312BCJ	Bradley Channel @ Jones St	34.945438	-120.4167862
312GVS	Green Valley @ Simas Rd	34.942001	-120.5565033
312MSD	Main Street Canal at Main Street Crossing	34.955227	-120.4865799
312OFC	Oso Flaco Creek at Oso Flaco Lake Road	35.016388	-120.5862579
312OFN	Little Oso Flaco Creek @ railroad trestles	35.022797	-120.5861588
312ORC	Orcutt Creek at sand plant above Santa Maria River	34.957554	-120.6314545
312ORI	Orcutt Creek @ Hwy 1	34.941376	-120.5728836
312SMA	Santa Maria River above Estuary	34.963776	-120.6417923
312SMI	Santa Maria River at Highway 1	34.977207	-120.5698318
313SAE	San Antonio Creek at San Antonio Road East	34.782356	-120.5292282
314SYF	Santa Ynez River at Floradale Rd	34.672131	-120.4921036

Site	Description	Latitude	Longitude
314SYL	Santa Ynez River at Highway 246	34.643871	-120.4304504
314SYN	Santa Ynez River at 13th Street	34.676617	-120.5533905
315APF	Arroyo Paredon Creek at Foothill Bridge	34.416759	-119.5444183
315BEF	Bell Creek @ Winchester Canyon Park	34.438438	-119.9061203
315FMV	Franklin Creek @ Mountain View Ln	34.406929	-119.5173264
315GAN	Glenn Annie Creek upstream Cathedral Oaks	34.446049	-119.8755722
315LCC	Los Carneros Creek at Calle Real	34.439491	-119.8535767