

Table 1. Organophosphate Pesticides Detected in Water at NMU Sites, 2017 and 2018 (µg/L).

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dichlorvos	Dimethoate	Malathion
305BRS	Beach Road Ditch	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd	0.056
			September	nd	nd	nd	nd	nd
305CAN	Carnadero Creek	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected
			December	nd	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd	nd
			September	dry	dry	dry	dry	dry
305CHI	Pajaro River	2017	September	nd	0.066	nd	nd	nd
			December	nd	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd
305COR	Salsipuedes Creek	2017	September	nd	nd	nd	nd	nd
			December	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	March	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	0.051
305FRA	Pajaro River Millers Canal	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd
305FUF	Furlong Creek	2017	September	nd	0.095	nd	nd	nd
			December	nd	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dichlorvos	Dimethoate	Malathion
305LCS	Llagas Creek	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd
305PJP	Pajaro River	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd	0.018
			September	nd	nd	nd	nd	nd
305SJA	San Juan Creek	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd
305TSR	Tequisquita Slough	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd
305WCS	Watsonville Creek	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd
305WSA	Watsonville Slough	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected
			December	nd	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd	nd
			September	disconnected	disconnected	disconnected	disconnected	disconnected
309ALG	Reclamation Canal above Salinas	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd	0.025
			September	nd	nd	nd	0.371	nd

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dichlorvos	Dimethoate	Malathion
309ASB	Alisal Slough	2017	September	nd	nd	nd	nd	0.110
			December	nd	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd	0.055
			September	nd	nd	nd	0.024	0.386
309BLA	Blanco Drain	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd
309CCD	Chualar Creek	2017	September	nd	nd	nd	nd	nd
			December	dry	dry	dry	dry	dry
		2018	March	nd	nd	nd	0.041	nd
			September	nd	nd	nd	nd	nd
309CRR	Chualar Creek North	2017	September	dry	dry	dry	dry	dry
			December	dry	dry	dry	dry	dry
309ESP	Espinosa Slough	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	0.027
309GAB	Gabilan Creek	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected
			December	dry	dry	dry	dry	dry
		2018	March	nd	nd	nd	nd	nd
			September	dry	dry	dry	dry	dry
309GRN	Salinas River (Mid)	2017	September	nd	nd	nd	nd	nd
			December	dry	dry	dry	dry	dry
		2018	March	dry	dry	dry	dry	dry
			September	nd	nd	nd	nd	nd
309JON	Reclamation Canal below Salinas	2017	September	nd	nd	nd	nd	nd
			December	0.002	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd	0.028
			September	0.004	nd	nd	0.112	nd

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dichlorvos	Dimethoate	Malathion
309MER	Merrit Ditch	2017	September	nd	nd	nd	nd	0.119
			December	nd	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd	1.050
			September	nd	nd	nd	nd	0.376
309MOR	Moro Cojo Slough	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd
309NAD	Natividad Creek	2017	September	0.002	2.170	nd	nd	0.294
			December	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	March	nd	23.600	nd	nd	0.043
			September	dry	dry	dry	dry	dry
309OLD	Old Salinas River	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd
309QUI	Quail Creek	2017	September	0.030	nd	nd	nd	nd
			December	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	March	nd	nd	nd	nd	nd
			September	disconnected	disconnected	disconnected	disconnected	disconnected
309RTA	Santa Rita Creek	2017	September	dry	dry	dry	dry	dry
			December	dry	dry	dry	dry	dry
		2018	March	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	0.310
309SAC	Salinas River (Lower) @ Chualar Bridge	2017	September	nd	nd	nd	nd	nd
		2018	September	dry	dry	dry	dry	dry
309SAG	Salinas River @ Gonzales River Road Bridge	2017	September	nd	nd	nd	nd	nd
		2018	September	nd	nd	nd	0.048	0.039

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dichlorvos	Dimethoate	Malathion
309SSP	Salinas River (Lower) @ Spreckles Gage	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	March	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
309TEH	Tembladero Slough	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			December	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
		2018	March	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.085
			September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.062

Notes:

- * Site IDs not included were sites that were not scheduled to be sampled.
 nd Analyte was not detected above the Method Detection Limit.

Table 2. Organophosphate Pesticides Detected in Water at SMU Sites, 2017 and 2018 (µg/L).

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dichlorvos	Dimethoate	Malathion
310CCC	Chorro Creek	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd
		2018	January	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd
310LBC	Los Berros Creek	2017	September	dry	dry	dry	dry	dry
			December	dry	dry	dry	dry	dry
		2018	January	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry
310PRE	Prefumo Creek	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd
		2018	January	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd
310USG	Arroyo Grande Creek	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd
		2018	January	nd	nd	nd	nd	0.497
			September	nd	nd	nd	nd	nd
310WRP	Warden Creek	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected
			December	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	January	nd	nd	nd	nd	nd
			September	disconnected	disconnected	disconnected	disconnected	disconnected
312BCC	Bradley Canyon Creek	2017	September	dry	dry	dry	dry	dry
			December	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	January	nd	nd	nd	nd	0.709
			September	dry	dry	dry	dry	dry
312BCJ	Bradley Channel	2017	September	nd	nd	nd	nd	nd
			December	0.001	nd	nd	nd	0.080
		2018	January	0.001	nd	nd	nd	0.507
			September	disconnected	disconnected	disconnected	disconnected	disconnected

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dichlorvos	Dimethoate	Malathion
312GVS	Green Valley	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	0.041	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.081
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
312MSD	Main Street Canal	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.191
			December	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.312
		2018	January	0.305	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.067
			September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.249
312OFC	Oso Flaco Creek	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.394
			December	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.048
		2018	January	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.043
			September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.075
312OFN	Little Oso Flaco Creek	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			December	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
		2018	January	<i>nd</i>	<i>nd</i>	0.010	<i>nd</i>	0.077
			September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.354
312ORC	Orcutt Solomon Creek @ Sand Plant	2017	September	0.016	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.117
			December	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	1.330
		2018	January	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.029
			September	0.004	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
312ORI	Orcutt Solomon Creek @ Highway 1	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.202
			December	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.159
		2018	January	0.018	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.329
			September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.344
312SMA	Santa Maria River @ Estuary	2017	September	0.006	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.084
			December	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	1.500
		2018	January	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.042
			September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dichlorvos	Dimethoate	Malathion
312SMI	Santa Maria River @ Hwy 1	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	0.005	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
313SAE	San Antonio Creek	2017	September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	January	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
314SYF	Santa Ynez River @ Floradale	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
		2018	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
314SYL	Santa Ynez River @ River Park	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
314SYN	Santa Ynez River @ 13th Street Bridge	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	January	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
315APF	Arroyo Paredon	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
315BEF	Bell Creek	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			December	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
		2018	January	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
315FMV	Franklin Creek	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			December	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
		2018	January	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dichlorvos	Dimethoate	Malathion
315GAN	Glenn Annie Creek	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			December	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
		2018	January	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
315LCC	Los Carneros Creek	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			December	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
		2018	January	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>

Notes:

- * Site IDs not included were sites that were not scheduled to be sampled.
 nd Analyte was not detected above the Method Detection Limit.

Table 3. Neonicotinoids Detected in Water at NMU Sites, 2017 and 2018 (µg/L).

Site ID*	Site Description	Year	Month	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam
305BRS	Beach Road Ditch	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	0.012	0.040
		2018	March	0.093	0.011	nd	0.139	0.265
			September	nd	nd	nd	0.013	0.089
305CAN	Carnadero Creek	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected
			December	nd	nd	nd	0.029	nd
		2018	March	nd	nd	nd	0.045	0.004
			September	dry	dry	dry	dry	dry
305CHI	Pajaro River	2017	September	nd	nd	nd	0.410	0.014
			December	nd	nd	nd	nd	nd
		2018	March	0.014	nd	0.006	nd	0.146
			September	nd	0.027	nd	nd	0.109
305COR	Salsipuedes Creek	2017	September	nd	nd	nd	nd	nd
			December	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	March	nd	nd	nd	nd	nd
			September	nd	nd	0.016	nd	0.007
305FRA	Pajaro River Millers Canal	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	0.032	nd	0.085
		2018	March	nd	nd	nd	nd	0.015
			September	0.014	nd	nd	nd	0.004
305FUF	Furlong Creek	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	0.022	nd
		2018	March	nd	nd	nd	0.101	0.080
			September	nd	nd	nd	0.014	0.006
305LCS	Llagas Creek	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd
		2018	March	nd	nd	0.006	nd	0.018
			September	nd	nd	nd	nd	0.016

Site ID*	Site Description	Year	Month	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam
305PJP	Pajaro River	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	0.037	nd
		2018	March	0.077	nd	nd	0.106	0.090
			September	nd	nd	nd	nd	nd
305SJA	San Juan Creek	2017	September	nd	nd	nd	nd	0.029
			December	nd	nd	nd	0.073	nd
		2018	March	nd	nd	nd	nd	0.089
			September	nd	nd	nd	nd	0.058
305TSR	Tequisquita Slough	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	0.014	nd
		2018	March	nd	nd	nd	0.054	0.013
			September	nd	nd	0.016	nd	0.016
305WCS	Watsonville Creek	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	0.296	0.015	0.019
		2018	March	nd	nd	0.055	0.028	0.036
			September	0.029	nd	0.957	nd	0.047
305WSA	Watsonville Slough	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected
			December	0.026	nd	nd	nd	0.047
		2018	March	0.020	0.158	nd	0.080	0.329
			September	disconnected	disconnected	disconnected	disconnected	disconnected
309ALG	Reclamation Canal above Salinas	2017	September	0.078	nd	nd	nd	0.175
			December	nd	0.068	nd	0.131	0.175
		2018	March	0.160	0.364	nd	1.000	1.480
			September	0.823	0.228	nd	0.476	1.650
309ASB	Alisal Slough	2017	September	nd	nd	nd	nd	0.121
			December	nd	nd	nd	0.234	0.060
		2018	March	nd	nd	nd	2.780	2.550
			September	0.012	nd	nd	nd	0.135

Site ID*	Site Description	Year	Month	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam
309BLA	Blanco Drain	2017	September	nd	nd	nd	nd	0.334
			December	nd	nd	0.184	0.056	0.168
		2018	March	nd	0.024	0.077	0.118	0.292
			September	0.020	0.012	0.093	nd	0.447
309CCD	Chualar Creek	2017	September	0.011	nd	nd	nd	2.060
			December	dry	dry	dry	dry	dry
		2018	March	0.018	0.346	nd	1.410	1.130
			September	nd	nd	nd	0.097	0.013
309CRR	Chualar Creek North	2017	September	dry	dry	dry	dry	dry
			December	dry	dry	dry	dry	dry
309ESP	Espinosa Slough	2017	September	nd	nd	nd	nd	0.279
			December	0.043	nd	nd	0.242	0.166
		2018	March	0.271	0.034	nd	0.052	0.204
			September	0.015	nd	nd	nd	0.183
309GAB	Gabilan Creek	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected
			December	dry	dry	dry	dry	dry
		2018	March	0.014	0.034	nd	0.217	0.160
			September	dry	dry	dry	dry	dry
309GRN	Salinas River (Mid)	2017	September	nd	nd	nd	nd	nd
			December	dry	dry	dry	dry	dry
		2018	March	dry	dry	dry	dry	dry
			September	nd	nd	nd	nd	nd
309JON	Reclamation Canal below Salinas	2017	September	0.020	nd	nd	0.840	0.580
			December	0.029	0.060	0.120	0.230	0.216
		2018	March	0.020	0.106	nd	0.245	0.501
			September	0.408	0.404	nd	0.497	1.960
309MER	Meritt Ditch	2017	September	nd	nd	nd	nd	0.263
			December	nd	nd	nd	0.384	0.138
		2018	March	0.052	0.169	nd	nd	0.849
			September	0.280	0.072	nd	nd	0.252

Site ID*	Site Description	Year	Month	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam
309MOR	Moro Cojo Slough	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	0.010
		2018	March	nd	nd	nd	0.023	0.077
			September	nd	nd	nd	nd	0.013
309NAD	Natividad Creek	2017	September	0.151	nd	nd	nd	0.132
			December	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	March	1.910	0.194	nd	0.063	2.190
			September	dry	dry	dry	dry	dry
309OLD	Old Salinas River	2017	September	nd	nd	nd	nd	0.353
			December	nd	nd	0.075	nd	0.054
		2018	March	nd	nd	0.012	0.017	0.347
			September	nd	nd	nd	0.026	0.060
309QUI	Quail Creek	2017	September	nd	nd	nd	nd	1.230
			December	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	March	0.013	0.266	nd	0.83	1.130
			September	disconnected	disconnected	disconnected	disconnected	disconnected
309RTA	Santa Rita Creek	2017	September	dry	dry	dry	dry	dry
			December	dry	dry	dry	dry	dry
		2018	March	0.175	0.077	nd	0.143	0.262
			September	0.037	0.067	nd	0.320	0.700
309SAC	Salinas River (Lower) @ Chualar Bridge	2017	September	nd	nd	nd	nd	nd
		2018	September	dry	dry	dry	dry	dry
309SAG	Salinas River @ Gonzales River Road Bridge	2017	September	nd	nd	nd	nd	0.007
		2018	September	nd	nd	nd	nd	0.017
309SSP	Salinas River (Lower) @ Spreckles Gage	2017	September	nd	nd	nd	nd	0.016
			December	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	March	disconnected	disconnected	disconnected	disconnected	disconnected
			September	0.036	nd	nd	nd	0.090

Site ID*	Site Description	Year	Month	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam
309TEH	Tembladero Slough	2017	September	nd	nd	nd	nd	0.398
			December	0.017	nd	0.199	0.272	0.221
		2018	March	0.061	0.042	nd	0.045	0.181
			September	0.158	0.105	0.008	nd	0.408

Notes:

- * Site IDs not included were sites that were not scheduled to be sampled.
 nd Analyte was not detected above the Method Detection Limit.

Table 4. Neonicotinoids Detected in Water at SMU Sites, 2017 and 2018 (µg/L).

Site ID*	Site Description	Year	Month	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam
310CCC	Chorro Creek	2017	September	nd	nd	nd	0.554	nd
			December	nd	nd	nd	nd	nd
		2018	January	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd
310LBC	Los Berros Creek	2017	September	dry	dry	dry	dry	dry
			December	dry	dry	dry	dry	dry
		2018	January	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry
310PRE	Prefumo Creek	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd
		2018	January	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd
310USG	Arroyo Grande Creek	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd
		2018	January	0.494	nd	0.294	2.170	0.350
			September	nd	nd	nd	nd	nd
310WRP	Warden Creek	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected
			December	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	January	nd	nd	0.015	0.027	nd
			September	disconnected	disconnected	disconnected	disconnected	disconnected
312BCC	Bradley Canyon Creek	2017	September	dry	dry	dry	dry	dry
			December	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	January	0.216	nd	0.018	3.300	0.431
			September	dry	dry	dry	dry	dry
312BCJ	Bradley Channel	2017	September	nd	nd	nd	nd	0.031
			December	nd	nd	nd	0.043	0.010
		2018	January	0.523	nd	nd	0.893	0.642
			September	disconnected	disconnected	disconnected	disconnected	disconnected

Site ID*	Site Description	Year	Month	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam
312GVS	Green Valley	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	0.312	<i>nd</i>	<i>nd</i>	1.190	0.428
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
312MSD	Main Street Canal	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			December	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.354	0.020
		2018	January	0.167	<i>nd</i>	<i>nd</i>	0.393	0.323
			September	0.110	<i>nd</i>	<i>nd</i>	<i>nd</i>	1.460
312OFC	Oso Flaco Creek	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.013
			December	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.069
		2018	January	0.318	<i>nd</i>	<i>nd</i>	0.642	0.572
			September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.027
312OFN	Little Oso Flaco Creek	2017	September	0.095	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.071
			December	<i>nd</i>	<i>nd</i>	0.026	0.147	0.032
		2018	January	0.986	<i>nd</i>	0.036	0.460	0.830
			September	0.060	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.183
312ORC	Orcutt Solomon Creek @ Sand Plant	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	1.850	0.427
			December	<i>nd</i>	0.051	<i>nd</i>	1.010	0.412
		2018	January	0.254	<i>nd</i>	<i>nd</i>	1.060	0.427
			September	0.111	0.156	<i>nd</i>	1.500	0.116
312ORI	Orcutt Solomon Creek @ Highway 1	2017	September	0.041	<i>nd</i>	<i>nd</i>	3.020	0.114
			December	0.199	<i>nd</i>	<i>nd</i>	0.558	0.042
		2018	January	0.257	<i>nd</i>	<i>nd</i>	3.640	0.497
			September	0.259	0.021	<i>nd</i>	0.290	0.032
312SMA	Santa Maria River @ Estuary	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.923	0.322
			December	<i>nd</i>	0.040	<i>nd</i>	0.879	0.409
		2018	January	0.259	<i>nd</i>	<i>nd</i>	0.907	0.432
			September	0.131	0.229	<i>nd</i>	2.480	0.162

Site ID*	Site Description	Year	Month	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam
312SMI	Santa Maria River @ Hwy 1	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	0.176	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
313SAE	San Antonio Creek	2017	September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	January	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
314SYF	Santa Ynez River @ Floradale	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
		2018	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
314SYL	Santa Ynez River @ River Park	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
314SYN	Santa Ynez River @ 13th Street Bridge	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	January	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.366	0.397
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
315APF	Arroyo Paredon	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
315BEF	Bell Creek	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			December	<i>nd</i>	<i>nd</i>	0.103	<i>nd</i>	<i>nd</i>
		2018	January	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
315FMV	Franklin Creek	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			December	<i>nd</i>	<i>nd</i>	0.079	0.172	<i>nd</i>
		2018	January	<i>nd</i>	<i>nd</i>	0.018	0.022	0.268
			September	<i>nd</i>	<i>nd</i>	0.015	<i>nd</i>	<i>nd</i>

Site ID*	Site Description	Year	Month	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam
315GAN	Glenn Annie Creek	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	0.076	nd	nd
		2018	January	nd	nd	nd	0.194	nd
			September	nd	nd	nd	nd	0.003
315LCC	Los Carneros Creek	2017	September	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd
		2018	January	nd	nd	nd	nd	nd
			September	dry	dry	dry	dry	dry

Notes:

- * Site IDs not included were sites that were not scheduled to be sampled.
 nd Analyte was not detected above the Method Detection Limit.

Table 5. Metals Detected in water at NMU Sites, 2017 and 2018 (µg/L).

Site ID*	Site Description	Year	Month	Arsenic	Boron	Cadmium		Copper		Lead		Molybdenum	Nickel		Selenium	Zinc	
				Total	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Dissolved	Total	Total	Dissolved	Total
305BRS	Beach Road Ditch	2017	September	3.070	813.000	0.028	0.048	5.850	9.170	nd	1.440	1.960	21.400	30.000	0.228	1.760	11.400
			December	3.020	630.000	0.039	0.049	3.650	4.340	0.016	0.268	4.350	33.500	34.900	0.727	1.400	3.420
		2018	March	5.250	1130.000	0.070	0.055	2.410	2.810	nd	1.070	4.170	15.400	17.900	4.920	1.430	8.710
			September	3.850	559.000	0.025	0.045	3.380	3.550	0.021	0.323	7.370	54.000	56.400	0.354	2.190	4.260
305CAN	Carnadero Creek	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			December	0.560	173.000	0.011	0.008	0.784	1.160	nd	0.051	0.636	5.420	5.880	2.920	1.180	2.060
		2018	March	0.472	109.000	0.036	0.037	0.121	0.693	nd	0.095	0.414	3.120	4.570	0.944	1.840	3.290
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
305CHI	Pajaro River	2017	September	3.750	965.000	0.013	0.020	1.970	2.060	nd	0.074	4.520	5.660	6.540	0.771	0.536	1.020
			December	1.540	378.000	0.008	nd	0.768	1.220	nd	0.172	1.560	7.640	8.750	1.340	1.920	3.980
		2018	March	1.460	232.000	nd	0.049	1.090	6.020	nd	1.660	0.448	5.540	21.900	0.883	0.640	14.000
			September	4.460	589.000	nd	0.058	2.770	3.010	0.013	0.112	3.360	14.500	15.600	0.789	1.660	2.950
305COR	Salsipuedes Creek	2017	September	1.700	249.000	nd	0.018	1.810	1.970	nd	0.527	1.260	13.600	14.400	0.371	3.120	8.060
			December	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	March	1.190	44.500	nd	0.046	0.092	2.000	0.040	1.690	0.283	1.410	4.810	0.970	1.600	7.100
			September	3.230	143.000	0.069	0.070	2.920	2.930	0.070	0.232	4.910	19.900	20.200	0.981	4.110	4.530
305FRA	Pajaro River Millers Canal	2017	September	23.500	1990.000	0.013	0.062	2.730	5.910	0.044	1.640	3.940	7.200	17.300	1.050	0.811	7.940
			December	18.000	4740.000	0.024	0.072	5.640	6.540	0.029	0.399	4.760	11.100	13.800	1.600	1.380	5.900
		2018	March	6.540	868.000	nd	0.015	0.342	2.600	0.013	1.240	2.430	3.570	11.400	1.120	0.280	5.590
			September	88.900	14100.000	0.246	0.292	18.000	16.200	0.088	0.078	21.600	15.200	17.200	12.700	6.210	5.620
305FUF	Furlong Creek	2017	September	1.380	229.000	nd	0.023	1.820	5.330	nd	2.100	0.232	1.330	8.020	1.170	0.367	9.290
			December	1.030	193.000	nd	0.014	0.751	1.850	nd	0.391	0.788	1.930	3.170	2.220	0.315	2.970
		2018	March	1.040	186.000	0.017	0.028	0.698	2.170	nd	0.809	0.320	2.500	5.970	2.440	2.440	3.650
			September	3.510	153.000	nd	0.008	3.460	4.410	0.018	0.801	0.828	2.710	5.270	2.00	2.120	5.210
305LCS	Llagas Creek	2017	September	0.730	243.000	0.023	0.016	0.839	0.912	nd	0.055	0.443	7.610	8.290	1.630	1.340	1.090
			December	0.430	183.000	0.011	0.014	0.254	0.358	nd	0.036	0.790	6.850	6.950	2.460	1.140	1.900
		2018	March	0.439	6.550	nd	0.087	1.820	6.880	nd	2.210	0.230	1.030	9.570	0.147	8.510	41.200
			September	0.905	211.000	0.030	0.020	2.390	2.490	0.015	0.051	0.960	15.800	16.400	0.540	2.380	2.720
305PJP	Pajaro River	2017	September	3.530	426.000	0.035	0.031	2.220	2.150	nd	0.050	4.910	12.600	13.100	0.922	1.150	1.300
			December	2.080	381.000	0.013	0.016	0.672	0.872	nd	0.081	2.730	7.650	8.210	1.770	0.365	1.230
		2018	March	2.030	222.000	0.023	0.082	0.931	4.130	nd	2.630	0.457	5.000	12.900	1.350	2.720	13.000
			September	3.120	321.000	0.017	0.043	1.220	1.060	nd	0.111	6.510	20.100	20.100	0.428	2.190	2.250
305SJA	San Juan Creek	2017	September	2.790	1370.000	0.029	0.036	3.340	4.050	0.123	0.453	13.700	6.650	7.410	0.900	3.310	4.530
			December	6.150	789.000	0.037	0.036	2.340	2.880	0.124	0.393	13.600	6.240	7.260	0.610	11.300	13.300
		2018	March	3.490	427.000	0.038	0.061	4.740	13.700	0.017	3.310	4.370	3.790	13.700	0.620	11.600	36.600
			September	3.370	1590.000	0.087	0.089	4.320	4.770	0.048	0.542	18.900	8.250	9.250	1.700	3.1400	4.170

Site ID*	Site Description	Year	Month	Arsenic	Boron	Cadmium		Copper		Lead		Molybdenum	Nickel		Selenium	Zinc	
				Total	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Dissolved	Total	Total	Dissolved	Total
305TSR	Tequisquita Slough	2017	September	10.900	3700.000	0.015	0.031	2.200	2.860	0.047	0.235	9.620	10.400	11.500	3.050	0.798	1.780
			December	8.300	1930.000	0.010	0.014	1.950	4.120	nd	0.808	7.300	4.820	11.400	9.700	0.533	6.290
		2018	March	6.500	2460v	0.010	0.013	0.999	1.510	nd	0.358	8.620	5.780	7.150	9.290	0.980	1.960
			September	9.950	3050.000	0.031	0.026	3.540	2.890	0.015	nd	12.200	11.100	10.200	1.260	1.900	1.400
305WCS	Watsonville Creek	2017	September	2.330	780.000	0.051	0.022	4.080	4.490	0.014	0.090	12.000	33.800	33.800	0.833	3.860	4.060
			December	1.980	523.000	0.034	0.027	2.270	2.510	0.011	0.103	11.900	24.000	24.600	1.820	2.190	3.260
		2018	March	2.810	268.000	0.041	0.057	3.470	4.700	nd	0.950	5.510	12.200	13.900	1.720	9.710	18.300
			September	2.570	694.000	0.074	0.078	3.640	3.770	0.046	0.143	15.100	30.100	30.500	1.470	5.170	5.830
305WSA	Watsonville Slough	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			December	8.720	1090.000	0.041	0.084	1.620	1.780	nd	0.073	4.300	11.100	11.300	1.410	1.540	4.020
		2018	March	4.310	333.000	0.061	0.050	1.460	3.760	0.058	1.360	2.540	18.900	25.200	0.835	1.500	9.810
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
309ALG	Reclamation Canal above Salinas	2017	September	3.720	171.000	0.018	0.108	1.380	3.110	nd	0.566	2.040	1.040	3.470	1.870	0.979	8.890
			December	3.660	82.800	0.045	0.118	1.190	2.800	nd	0.581	2.410	1.890	4.250	1.410	1.360	9.810
		2018	March	5.130	38.000	0.155	1.060	3.270	27.300	nd	10.300	0.424	1.990	27.500	0.589	5.010	118.000
			September	5.670	93.400	0.017	0.160	5.500	9.210	0.014	0.901	2.680	1.850	4.430	0.859	1.300	7.850
309ASB	Alisal Slough	2017	September	9.530	410.000	0.174	0.184	4.960	6.610	nd	0.549	32.900	25.500	28.400	3.560	0.616	7.270
			December	8.510	398.000	0.133	0.232	2.290	4.720	0.018	0.834	38.000	23.200	31.800	3.720	4.890	9.720
		2018	March	11.800	326.000	0.117	4.000	3.990	57.300	nd	14.300	6.120	23.200	225.000	4.330	0.760	193.000
			September	5.800	475.000	0.109	0.177	2.900	3.580	0.011	0.263	28.600	17.400	20.500	3.170	1.570	4.550
309BLA	Blanco Drain	2017	September	8.170	612.000	0.108	0.241	5.550	5.760	0.028	0.548	102.000	22.100	28.700	7.400	2.150	5.320
			December	7.220	708v	0.212	0.245	2.680	3.900	nd	0.495	139.000	13.300	17.700	7.940	0.517	5.720
		2018	March	5.820	593.000	0.240	0.270	3.120	3.900	nd	0.461	87.400	18.700	23.100	5.870	2.020	5.360
			September	6.880	764.000	0.354	0.393	4.180	4.510	nd	0.166	130.000	19.700	20.800	6.450	1.370	2.820
309CCD	Chualar Creek	2017	September	3.050	191.000	0.030	0.153	3.190	4.740	nd	1.120	2.830	1.260	3.780	3.560	0.641	10.400
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	March	2.470	95.300	0.199	0.665	3.780	15.000	nd	5.490	1.080	2.650	14.500	1.430	7.910	66.000
			September	2.890	149.000	0.022	0.133	3.350	4.710	nd	1.130	3.120	2.090	3.750	6.470	1.540	9.950
309CRR	Chualar Creek North	2017	September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
309ESP	Espinosa Slough	2017	September	7.930	227.000	0.022	0.314	4.390	7.750	0.017	2.780	8.480	24.100	34.000	1.990	0.630	18.800
			December	3.090	118.000	0.018	0.083	1.900	3.580	0.023	0.905	5.560	15.600	18.200	0.643	2.070	6.930
		2018	March	2.390	73.200	0.091	0.340	2.110	11.500	nd	6.790	1.050	7.260	22.700	0.672	6.170	52.500
			September	5.500	182.000	0.043	0.167	2.900	4.000	0.008	1.130	11.200	20.300	23.700	1.150	1.370	5.800
309GAB	Gabilan Creek	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	March	2.310	43.700	0.055	0.642	2.970	32.400	nd	13.100	0.337	1.280	16.900	0.554	3.410	117.000
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry

Site ID*	Site Description	Year	Month	Arsenic	Boron	Cadmium		Copper		Lead		Molybdenum	Nickel		Selenium	Zinc	
				Total	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Dissolved	Total	Total	Dissolved	Total
309GRN	Salinas River (Mid)	2017	September	1.750	62.200	0.014	0.174	1.210	2.210	nd	0.496	1.430	0.731	6.940	0.308	1.130	5.390
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	March	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	2.380	81.100	0.036	0.094	0.649	1.300	nd	0.272	3.860	1.180	4.540	0.912	1.230	2.570
309JON	Reclamation Canal below Salinas	2017	September	6.950	145.000	0.142	0.187	3.020	4.050	nd	1.140	81.700	5.250	9.900	1.320	1.420	11.600
			December	4.640	109.000	0.025	0.106	1.330	2.570	0.028	1.110	13.500	3.050	6.730	1.850	2.990	12.100
		2018	March	4.220	35.000	0.035	1.990	2.190	49.900	nd	20.900	0.164	1.400	49.800	0.652	3.960	250.000
			September	12.700	164.000	0.219	0.367	3.230	3.460	0.018	0.661	96.200	4.600	6.180	1.530	1.620	7.210
309MER	Merrit Ditch	2017	September	6.920	288.000	0.069	0.136	7.180	8.300	nd	1.170	16.000	11.500	15.100	2.360	1.450	6.810
			December	6.320	227.000	0.077	0.270	3.320	11.600	0.030	2.340	7.290	10.100	16.700	1.750	2.840	17.000
		2018	March	1.830	42.900	0.071	0.448	10.400	37.700	0.206	15.800	1.680	2.520	17.200	0.381	16.500	171.000
			September	6.100	285.000	0.176	0.236	5.570	6.500	0.013	0.864	47.900	11.600	13.500	2.830	2.420	8.790
309MOR	Moro Cojo Slough	2017	September	33.900	3280.000	0.211	0.178	12.000	13.300	1.110	1.060	10.900	5.390	5.810	48.800	15.600	22.900
			December	5.620	3060.000	0.107	0.115	1.940	4.200	0.052	0.736	11.000	2.850	7.630	18.800	4.640	9.620
		2018	March	8.140	3720.000	0.079	0.135	nd	nd	0.152	0.459	9.500	2.330	4.230	3.420	7.690	9.610
			September	9.870	3850.000	0.341	0.287	3.070	3.290	0.109	0.106	13.000	3.570	3.950	12.100	7.930	13.600
309NAD	Natividad Creek	2017	September	17.800	137.000	0.037	0.072	2.250	3.800	nd	1.160	1.320	2.710	4.660	0.480	1.690	10.900
			December	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	March	4.630	90.100	0.102	0.152	3.780	6.070	nd	1.590	1.230	12.200	14.30	0.291	7.240	21.400
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
309OLD	Old Salinas River	2017	September	19.800	1060.000	0.129	0.271	7.110	9.240	0.016	1.610	33.300	14.300	21.300	8.800	0.843	17.900
			December	9.680	743.000	0.116	0.180	1.770	3.550	0.020	0.610	29.800	7.770	12.300	4.510	1.530	5.580
		2018	March	7.150	847.000	0.162	0.258	1.680	4.650	0.059	0.968	32.500	11.200	20.000	3.310	0.150	9.110
			September	5.390	223.000	0.060	0.219	1.210	5.180	0.043	1.630	7.680	4.130	15.000	0.776	1.150	12.300
309QUI	Quail Creek	2017	September	3.080	174.000	0.035	0.704	3.340	20.000	0.038	3.520	0.482	0.797	11.300	2.300	0.758	41.500
			December	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	March	3.100	37.300	0.472	0.750	3.250	11.300	nd	3.580	0.816	1.920	8.720	0.322	16.100	53.700
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
309RTA	Santa Rita Creek	2017	September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	March	1.880	54.500	0.074	0.339	3.460	18.400	0.013	14.600	0.204	3.050	17.200	0.404	6.260	77.200
			September	7.250	327.000	0.070	0.132	2.440	3.680	0.007	0.972	15.300	1.120	2.570	0.392	1.590	9.460
309SAC	Salinas River (Lower) @ Chualar Bridge	2017	September	1.870	53.700	0.020	0.434	1.060	3.800	nd	0.885	0.918	0.655	11.700	0.448	7.720	8.700
		2018	September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
309SAG	Salinas River @ Gonzales River Road Bridge	2017	September	1.510	54.200	0.022	0.311	0.933	2.790	nd	0.651	1.100	0.608	8.530	0.282	0.763	5.980
		2018	September	2.510	73.700	0.039	0.164	0.786	1.640	0.011	0.443	3.420	1.400	5.970	0.756	1.090	3.510
309SSP	Salinas River (Lower) @ Spreckles Gage	2017	September	1.950	56.800	0.030	0.173	1.330	2.120	nd	0.548	1.640	0.854	5.790	0.421	2.350	20.100
			December	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	March	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			September	3.610	48.800	0.011	0.329	0.832	4.350	0.010	1.280	1.680	2.690	19.000	0.397	1.800	19.400

Site ID*	Site Description	Year	Month	Arsenic	Boron	Cadmium		Copper		Lead		Molybdenum	Nickel		Selenium	Zinc	
				Total	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Dissolved	Total	Total	Dissolved	Total
309TEH	Tembladero Slough	2017	September	10.900	313.000	0.066	0.247	6.200	7.780	0.022	2.100	30.800	18.900	27.500	2.150	0.503	14.300
			December	7.020	267.000	0.075	0.163	2.700	4.450	0.026	1.140	20.500	17.100	21.300	2.460	2.220	8.050
		2018	March	2.090	63.900	0.043	0.583	2.370	19.500	nd	11.500	0.580	4.580	27.900	0.585	5.440	94.000
			September	8.240	348.000	0.156	0.215	4.230	4.750	0.055	0.833	53.700	15.900	18.400	2.340	1.960	6.520

Notes:

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Site IDs not included were sites that were not scheduled to be sampled.
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Analyte was not detected above the Method Detection Limit.

Table 6. Metals Detected in Water at SMU Sites, 2017 and 2018 (µg/L).

Site ID*	Site Description	Year	Month	Arsenic		Boron		Cadmium		Copper		Lead		Molybdenum		Nickel		Selenium		Zinc	
				Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total
310CCC	Chorro Creek	2017	September	nd	2.210	nd	92.200	0.008	nd	1.110	1.450	nd	nd	nd	2.250	4.870	4.140	nd	1.380	0.502	1.410
			December	nd	1.750	nd	86.500	nd	0.019	0.718	0.820	nd	0.025	nd	2.680	4.350	4.680	nd	1.770	0.590	0.432
		2018	January	1.410	1.320	64.400	66.700	0.025	0.029	1.270	2.390	0.018	0.197	2.830	2.330	8.070	12.100	1.900	1.690	2.240	2.590
			September	na	1.980	na	80.900	0.031	0.026	0.742	1.100	nd	0.069	na	2.030	4.150	11.900	na	2.340	1.540	1.550
310LBC	Los Berros Creek	2017	September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	January	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
310PRE	Prefumo Creek	2017	September	nd	1.790	nd	115.000	0.027	0.051	0.722	1.690	nd	0.164	nd	3.110	2.660	7.270	nd	5.520	0.589	2.280
			December	nd	1.550	nd	103.000	0.019	0.035	0.402	1.160	nd	0.128	nd	3.870	3.260	6.190	nd	5.360	0.583	1.870
		2018	January	1.360	1.230	84.300	85.800	0.059	0.064	0.350	0.724	0.010	0.088	4.040	3.780	3.400	5.530	5.850	4.650	0.866	2.490
			September	na	1.960	na	87.500	0.043	0.0663	0.580	1.180	nd	0.130	na	3.920	3.180	6.700	na	5.900	1.440	2.520
310USG	Arroyo Grande Creek	2017	September	nd	3.100	nd	103.000	0.199	0.228	1.090	1.070	nd	nd	nd	24.100	3.230	3.390	nd	11.800	0.793	0.609
			December	nd	3.450	nd	90.600	0.152	0.325	0.764	0.847	nd	0.016	nd	25.100	3.500	3.710	nd	12.800	0.541	0.398
		2018	January	2.490	2.780	75.000	77.800	0.320	2.130	1.570	12.200	nd	3.530	17.500	6.500	5.870	78.100	12.000	9.720	7.500	46.300
			September	na	5.020	na	69.200	0.141	0.299	1.050	1.070	nd	0.025	na	26.800	3.900	4.490	na	6.640	1.480	1.350
310WRP	Warden Creek	2017	September	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled
			December	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled
		2018	January	2.040	4.070	132.000	135.000	0.016	0.068	2.470	4.700	nd	0.206	5.880	4.250	9.790	15.300	17.200	15.800	1.740	3.200
			September	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled
312BCC	Bradley Canyon Creek	2017	September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			December	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled
		2018	January	1.870	1.760	81.400	92.600	0.076	2.420	4.020	39.300	nd	16.600	5.570	0.336	3.100	51.200	0.824	0.798	5.960	163.000
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
312BCJ	Bradley Channel	2017	September	nd	5.720	nd	344.000	0.029	0.139	3.590	4.300	nd	0.560	nd	9.440	1.600	2.450	nd	1.91	1.690	19.400
			December	nd	4.630	nd	240.000	0.122	0.315	0.829	3.490	0.008	1.100	nd	78.400	1.460	3.080	nd	0.357	2.680	11.700
		2018	January	1.310	3.310	67.800	81.900	0.134	2.940	2.020	38.700	0.008	20.100	2.300	0.252	2.010	42.300	0.660	0.818	6.560	219.000
			September	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled
312GVS	Green Valley	2017	September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	January	1.420	2.060	48.400	68.300	0.068	3.820	2.920	42.400	0.009	18.800	2.180	0.179	2.230	50.500	0.319	0.278	5.030	217.000
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
312MSD	Main Street Canal	2017	September	nd	6.910	nd	337.000	0.324	0.476	9.650	15.300	0.027	1.090	nd	7.730	3.590	5.750	nd	2.320	44.900	71.600
			December	nd	1.530	nd	220.000	0.015	0.116	0.961	2.550	0.020	0.961	nd	5.070	1.200	2.830	nd	1.530	2.590	12.200
		2018	January	0.740	1.140	35.300	38.900	0.060	0.787	1.570	16.000	0.031	7.940	2.140	0.253	1.310	11.100	0.202	0.232	6.560	87.500
			September	na	28.800	na	879.000	4.530	8.100	45.400	73.900	0.607	5.620	na	2.490	18.600	60.000	na	2.940	146.000	560.000

Site ID*	Site Description	Year	Month	Arsenic		Boron		Cadmium		Copper		Lead		Molybdenum		Nickel		Selenium		Zinc	
				Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total
312OFC	Oso Flaco Creek	2017	September	nd	2.930	nd	219.000	0.038	0.740	1.180	8.380	nd	2.990	nd	2.550	1.400	6.810	nd	3.830	1.710	33.400
			December	nd	1.110	nd	285.000	0.063	0.120	1.450	1.350	0.015	0.214	nd	7.620	4.800	5.180	nd	4.090	1.270	2.900
		2018	January	1.480	2.620	88.500	96.100	0.120	1.110	2.740	13.700	0.012	6.300	4.590	1.170	2.260	15.400	1.420	0.740	3.500	60.700
			September	na	0.697	na	197.000	0.055	0.128	1.410	1.500	nd	0.074	na	9.040	1.990	2.230	na	4.800	1.190	1.940
312OFN	Little Oso Flaco Creek	2017	September	nd	2.110	nd	268.000	0.071	0.071	1.740	1.720	nd	0.053	nd	4.360	5.020	5.370	nd	1.060	0.926	2.060
			December	nd	1.790	nd	202.000	0.142	0.127	1.640	2.110	0.040	0.179	nd	4.890	4.830	5.140	nd	1.180	0.753	1.010
		2018	January	2.160	2.010	134.000	139.000	0.358	0.628	3.520	6.640	0.041	1.660	6.480	2.930	4.660	8.520	2.080	2.460	9.590	31.200
			September	na	2.620	na	176.000	0.078	0.126	3.440	3.710	0.012	0.252	na	5.070	5.160	5.640	na	1.020	2.000	3.430
312ORC	Orcutt Solomon Creek @ Sand Plant	2017	September	nd	3.410	nd	389.000	0.040	0.688	3.310	6.950	nd	2.260	nd	0.740	2.470	10.400	nd	5.350	0.927	22.900
			December	nd	7.790	nd	366.000	0.036	0.465	3.360	7.110	0.036	2.190	nd	2.730	4.400	10.200	nd	15.600	2.940	17.000
		2018	January	3.610	3.970	221.000	218.000	0.083	0.337	2.870	5.900	0.022	1.780	9.860	5.390	4.570	9.570	6.130	6.730	2.370	14.400
			September	na	5.700	na	329.000	0.098	1.130	5.950	14.000	0.047	3.630	na	1.930	6.580	20.700	na	9.270	3.530	37.300
312ORI	Orcutt Solomon Creek @ Highway 1	2017	September	nd	7.480	nd	296.000	0.125	0.141	8.100	6.860	nd	0.084	nd	17.000	7.570	8.100	nd	14.600	1.450	2.140
			December	nd	2.260	nd	364.000	0.255	0.304	3.050	5.980	0.033	0.221	nd	15.900	4.150	4.690	nd	23.700	2.480	3.280
		2018	January	2.650	3.270	98.600	107.000	0.099	2.160	4.530	27.900	nd	11.000	7.760	0.955	5.070	36.700	5.250	4.480	4.020	131.000
			September	na	6.490	na	380.000	0.247	0.285	7.760	6.450	0.054	0.202	na	39.200	6.880	7.700	na	30.800	5.010	4.850
312SMA	Santa Maria River @ Estuary	2017	September	nd	3.090	nd	335.000	0.023	0.199	2.430	3.590	nd	0.909	nd	1.390	1.500	4.030	nd	4.520	1.090	7.090
			December	nd	11.400	nd	319.000	0.012	0.157	3.290	4.970	0.020	0.868	nd	5.170	4.700	7.240	nd	17.800	0.649	5.560
		2018	January	3.630	3.860	204.000	203.000	0.072	0.389	2.450	6.040	0.028	2.020	8.980	4.170	4.840	10.300	4.870	4.340	2.420	16.800
			September	na	5.210	na	317.000	0.029	0.060	5.500	5.220	0.025	0.301	na	8.950	5.660	6.140	na	8.900	3.330	3.800
312SMI	Santa Maria River @ Hwy 1	2017	September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	January	6.430	9.000	91.200	150.000	0.399	96.300	3.090	34.300	0.014	29.500	17.200	0.615	6.750	283.000	3.750	2.490	3.960	689.000
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
313SAE	San Antonio Creek	2017	September	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled
			December	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled
		2018	January	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
314SYF	Santa Ynez River @ Floradale	2017	September	nd	1.640	nd	394.000	0.052	0.040	2.710	2.860	0.075	0.156	nd	9.380	2.330	2.580	nd	0.320	63.700	66.700
		2018	September	na	1.440	na	350.000	0.041	0.056	2.830	3.220	0.089	0.184	na	9.140	3.960	4.200	na	0.112	64.400	65.500
314SYL	Santa Ynez River @ River Park	2017	September	nd	3.060	nd	335.000	0.036	0.019	1.380	1.420	nd	nd	nd	14.600	1.550	1.560	nd	1.320	0.401	0.373
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	January	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
314SYN	Santa Ynez River @ 13th Street Bridge	2017	September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			December	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled	pooled
		2018	January	1.660	2.000	109.000	112.000	0.217	0.412	2.240	4.100	0.039	0.613	7.370	6.690	3.430	5.870	0.661	0.502	5.980	10.700
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry

Site ID*	Site Description	Year	Month	Arsenic		Boron		Cadmium		Copper		Lead		Molybdenum		Nickel		Selenium		Zinc	
				Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total
315APF	Arroyo Paredon	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	3.250	3.230	1760.000	1760.000	0.009	0.060	0.815	2.530	0.037	2.550	1.340	0.265	2.760	7.840	0.442	0.442	2.560	13.700
			September	<i>na</i>	4.880	<i>na</i>	4030.000	0.008	0.020	0.605	0.789	0.008	0.107	<i>na</i>	1.510	1.090	1.210	<i>na</i>	0.199	1.200	1.810
315BEF	Bell Creek	2017	September	<i>nd</i>	2.710	<i>nd</i>	1320.000	0.022	<i>nd</i>	2.650	2.700	<i>nd</i>	<i>nd</i>	<i>nd</i>	9.730	4.810	5.120	<i>nd</i>	43.500	2.080	16.800
			December	<i>nd</i>	3.500	<i>nd</i>	1390.000	0.011	0.022	2.030	2.960	<i>nd</i>	0.261	<i>nd</i>	6.470	5.100	7.620	<i>nd</i>	39.300	2.250	5.160
		2018	January	2.580	2.530	935.000	919.000	0.048	0.062	2.290	2.850	0.033	0.258	10.300	9.780	6.450	8.780	17.000	19.300	4.810	5.110
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
315FMV	Franklin Creek	2017	September	<i>nd</i>	3.720	<i>nd</i>	307.000	0.271	0.269	12.800	13.500	0.227	0.230	<i>nd</i>	3.740	23.200	23.700	<i>nd</i>	0.640	62.900	66.500
			December	<i>nd</i>	1.700	<i>nd</i>	235.000	0.013	0.016	1.010	2.110	0.011	0.099	<i>nd</i>	4.220	4.490	4.420	<i>nd</i>	0.958	4.340	5.440
		2018	January	1.130	1.290	254.000	260.000	0.046	0.060	2.280	3.030	0.026	0.258	2.500	2.020	24.900	26.700	0.412	0.821	2.490	3.870
			September	<i>na</i>	1.550	<i>na</i>	302.000	0.049	0.043	1.630	1.550	0.009	0.028	<i>na</i>	3.040	32.900	33.700	<i>na</i>	0.457	1.800	1.950
315GAN	Glenn Annie Creek	2017	September	<i>nd</i>	1.280	<i>nd</i>	522.000	0.028	0.029	1.450	1.790	<i>nd</i>	0.082	<i>nd</i>	5.320	7.280	8.110	<i>nd</i>	8.040	1.810	12.700
			December	<i>nd</i>	0.610	<i>nd</i>	530.000	0.043	0.052	0.803	1.190	<i>nd</i>	0.041	<i>nd</i>	6.360	9.640	9.910	<i>nd</i>	12.100	1.160	3.030
		2018	January	0.980	1.180	395.000	396.000	0.014	0.030	3.460	4.900	0.440	0.231	6.590	6.550	8.620	9.400	6.500	6.430	3.850	3.590
			September	<i>na</i>	1.180	<i>na</i>	517.000	0.022	0.211	1.860	8.240	<i>nd</i>	1.640	<i>na</i>	2.820	7.910	15.500	<i>na</i>	8.930	1.890	16.700
315LCC	Los Carneros Creek	2017	September	<i>nd</i>	2.940	<i>nd</i>	602.000	0.030	<i>nd</i>	1.620	1.590	<i>nd</i>	0.026	<i>nd</i>	7.820	1.740	1.950	<i>nd</i>	6.200	1.890	1.950
			December	<i>nd</i>	2.420	<i>nd</i>	558.000	0.014	0.030	0.685	0.978	0.013	0.121	<i>nd</i>	9.320	3.680	4.300	<i>nd</i>	3.850	0.478	1.040
		2018	January	2.380	2.330	438.000	460.000	0.052	0.041	1.600	2.280	0.021	0.222	9.290	9.220	3.380	4.040	4.070	4.790	1.780	2.900
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>

Notes:

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pooled

Site IDs not included were sites that were not scheduled to be sampled.
Analyte was not analyzed.
Analyte was not detected above the Method Detection Limit.
disconnected

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Table 7. Herbicides Detected in Water at NMU Sites, 2017 and 2018 (µg/L).

Site ID*	Site Description	Year	Month	Glyphosate	Diuron	Linuron	Simazine
305BRS	Beach Road Ditch	2017	September	nd	nd	0.020	nd
			December	nd	nd	nd	nd
		2018	March	2.100	nd	nd	nd
			September	nd	nd	nd	nd
305CAN	Carnadero Creek	2017	September	disconnected	disconnected	disconnected	disconnected
			December	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd
			September	dry	dry	dry	dry
305CHI	Pajaro River	2017	September	nd	nd	nd	nd
			December	nd	nd	nd	nd
		2018	March	3.600	nd	nd	nd
			September	nd	nd	nd	nd
305COR	Salsipuedes Creek	2017	September	nd	nd	nd	nd
			December	disconnected	disconnected	disconnected	disconnected
		2018	March	nd	nd	nd	nd
			September	nd	nd	nd	nd
305FRA	Pajaro River Millers Canal	2017	September	nd	nd	nd	nd
			December	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd
			September	nd	nd	nd	nd
305FUF	Furlong Creek	2017	September	nd	nd	nd	nd
			December	nd	nd	nd	nd
		2018	March	5.5000	nd	nd	nd
			September	2.700	nd	nd	nd
305LCS	Llagas Creek	2017	September	nd	nd	nd	nd
			December	nd	nd	nd	nd
		2018	March	9.000	0.059	nd	nd
			September	nd	nd	nd	nd
305PJP	Pajaro River	2017	September	nd	nd	nd	nd
			December	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd
			September	nd	nd	nd	nd
305SJA	San Juan Creek	2017	September	nd	0.016	nd	nd
			December	nd	0.008	nd	nd
		2018	March	73.000	0.084	nd	nd
			September	nd	nd	nd	nd

Site ID*	Site Description	Year	Month	Glyphosate	Diuron	Linuron	Simazine
305TSR	Tequisquita Slough	2017	September	nd	nd	nd	nd
			December	nd	nd	nd	nd
		2018	March	nd	nd	nd	nd
			September	nd	nd	nd	nd
305WCS	Watsonville Creek	2017	September	nd	nd	nd	nd
			December	nd	nd	nd	nd
		2018	March	4.900	0.049	nd	nd
			September	nd	nd	nd	nd
305WSA	Watsonville Slough	2017	September	disconnected	disconnected	disconnected	disconnected
			December	nd	0.013	nd	nd
		2018	March	2.000	nd	nd	nd
			September	disconnected	disconnected	disconnected	disconnected
309ALG	Reclamation Canal above Salinas	2017	September	9.200	nd	nd	nd
			December	15.000	0.009	nd	nd
		2018	March	48.000	0.840	nd	nd
			September	8.900	nd	nd	nd
309ASB	Alisal Slough	2017	September	34.000	0.011	nd	nd
			December	nd	0.007	nd	nd
		2018	March	18.000	nd	nd	nd
			September	6.000	nd	nd	nd
309BLA	Blanco Drain	2017	September	6.600	nd	nd	nd
			December	7.500	nd	nd	nd
		2018	March	10.000	0.005	nd	nd
			September	20.000	nd	nd	nd
309CCD	Chualar Creek	2017	September	25.000	0.015	nd	nd
			December	dry	dry	dry	dry
		2018	March	55.000	0.590	nd	nd
			September	nd	nd	nd	nd
309CRR	Chualar Creek North	2017	September	dry	dry	dry	dry
			December	dry	dry	dry	dry
309ESP	Espinosa Slough	2017	September	nd	nd	nd	nd
			December	nd	nd	nd	nd
		2018	March	9.100	0.024	nd	nd
			September	6.300	0.120	nd	nd
309GAB	Gabilan Creek	2017	September	disconnected	disconnected	disconnected	disconnected
			December	dry	dry	dry	dry
		2018	March	16.000	nd	nd	nd
			September	dry	dry	dry	dry

Site ID*	Site Description	Year	Month	Glyphosate	Diuron	Linuron	Simazine
309GRN	Salinas River (Mid)	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	March	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
309JON	Reclamation Canal below Salinas	2017	September	12.490	0.005	<i>nd</i>	<i>nd</i>
			December	20.000	<i>nd</i>	0.057	<i>nd</i>
		2018	March	17.000	0.120	0.019	<i>nd</i>
			September	17.000	0.024	0.013	0.023
309MER	Meritt Ditch	2017	September	<i>nd</i>	0.023	<i>nd</i>	<i>nd</i>
			December	<i>nd</i>	0.089	<i>nd</i>	<i>nd</i>
		2018	March	14.000	0.390	<i>nd</i>	<i>nd</i>
			September	2.400	<i>nd</i>	<i>nd</i>	<i>nd</i>
309MOR	Moro Cojo Slough	2017	September	<i>nd</i>	0.021	<i>nd</i>	<i>nd</i>
			December	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
		2018	March	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			September	<i>nd</i>	0.008	<i>nd</i>	0.020
309NAD	Natividad Creek	2017	September	3.900	<i>nd</i>	<i>nd</i>	0.019
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	March	23.000	<i>nd</i>	<i>nd</i>	<i>nd</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
309OLD	Old Salinas River	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			December	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
		2018	March	2.300	<i>nd</i>	<i>nd</i>	<i>nd</i>
			September	<i>nd</i>	0.006	<i>nd</i>	<i>nd</i>
309QUI	Quail Creek	2017	September	37.000	0.011	<i>nd</i>	<i>nd</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	March	35.000	<i>nd</i>	<i>nd</i>	<i>nd</i>
			September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
309RTA	Santa Rita Creek	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	March	13.000	<i>nd</i>	<i>nd</i>	<i>nd</i>
			September	68.000	<i>nd</i>	<i>nd</i>	<i>nd</i>
309SAC	Salinas River (Lower) @ Chualar Bridge	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
		2018	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
309SAG	Salinas River @ Gonzales River Road Bridge	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
		2018	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
309SSP	Salinas River (Lower) @ Spreckles Gage	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	March	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>

Site ID*	Site Description	Year	Month	Glyphosate	Diuron	Linuron	Simazine
309TEH	Tembladero Slough	2017	September	13.000	<i>nd</i>	<i>nd</i>	<i>nd</i>
			December	5.000	0.015	<i>nd</i>	<i>nd</i>
		2018	March	16.000	0.077	<i>nd</i>	<i>nd</i>
			September	5.300	0.009	<i>nd</i>	0.022

Notes:

- * Site IDs not included were sites that were not scheduled to be sampled.
 nd Analyte was not detected above the Method Detection Limit.

Table 8. Herbicides Detected in Water at SMU Sites, 2017 and 2018 (µg/L).

Site ID*	Site Description	Year	Month	Glyphosate	Paraquat	Atrazine	Diuron	Linuron	Simazine	Trifluralin
310CCC	Chorro Creek	2017	September	nd	nd	nd	nd	nd	0.004	nd
			December	nd	nd	nd	nd	nd	nd	nd
		2018	January	nd	nd	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd	0.008	nd
310LBC	Los Berros Creek	2017	September	dry	dry	dry	dry	dry	dry	dry
			December	dry	dry	dry	dry	dry	dry	dry
		2018	January	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry
310PRE	Prefumo Creek	2017	September	nd	nd	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd	nd	nd
		2018	January	nd	nd	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd	nd	nd
310USG	Arroyo Grande Creek	2017	September	nd	nd	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd	nd	nd
		2018	January	14.000	nd	nd	nd	0.170	0.008	nd
			September	nd	nd	nd	nd	nd	nd	nd
310WRP	Warden Creek	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			December	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	January	nd	nd	nd	nd	nd	nd	nd
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
312BCC	Bradley Canyon Creek	2017	September	dry	dry	dry	dry	dry	dry	dry
			December	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	January	21.000	nd	nd	nd	0.051	nd	0.110
			September	dry	dry	dry	dry	dry	dry	dry
312BCJ	Bradley Channel	2017	September	46.000	nd	nd	nd	nd	nd	nd
			December	3.300	nd	nd	nd	nd	nd	nd
		2018	January	37.000	0.190	nd	nd	0.150	nd	0.046
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected

Site ID*	Site Description	Year	Month	Glyphosate	Paraquat	Atrazine	Diuron	Linuron	Simazine	Trifluralin
312GVS	Green Valley	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	27.000	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.035	<i>nd</i>	<i>nd</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
312MSD	Main Street Canal	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.014	<i>nd</i>	<i>nd</i>
			December	6.400	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.044	<i>nd</i>	<i>nd</i>
		2018	January	6.900	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.010	<i>nd</i>	<i>nd</i>
			September	29.000	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.540	<i>nd</i>	<i>nd</i>
312OFC	Oso Flaco Creek	2017	September	4.900	<i>nd</i>	<i>nd</i>	0.008	<i>nd</i>	<i>nd</i>	<i>nd</i>
			December	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
		2018	January	12.000	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			September	2.300	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
312OFN	Little Oso Flaco Creek	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			December	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
		2018	January	57.000	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			September	4.500	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
312ORC	Orcutt Solomon Creek @ Sand Plant	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.570	<i>nd</i>	<i>nd</i>
			December	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.660	<i>nd</i>	<i>nd</i>
		2018	January	7.900	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.044	<i>nd</i>	<i>nd</i>
			September	3.600	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.050	<i>nd</i>	<i>nd</i>
312ORI	Orcutt Solomon Creek @ Highway 1	2017	September	14.000	<i>nd</i>	<i>nd</i>	0.011	0.930	<i>nd</i>	<i>nd</i>
			December	5.500	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.028	<i>nd</i>	<i>nd</i>
		2018	January	33.000	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.170	<i>nd</i>	<i>nd</i>
			September	4.600	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.180	<i>nd</i>	0.059
312SMA	Santa Maria River @ Estuary	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.350	<i>nd</i>	<i>nd</i>
			December	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.660	<i>nd</i>	<i>nd</i>
		2018	January	7.400	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.046	<i>nd</i>	<i>nd</i>
			September	4.600	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.057	<i>nd</i>	<i>nd</i>

Site ID*	Site Description	Year	Month	Glyphosate	Paraquat	Atrazine	Diuron	Linuron	Simazine	Trifluralin
312SMI	Santa Maria River @ Hwy 1	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
313SAE	San Antonio Creek	2017	September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	January	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
314SYF	Santa Ynez River @ Floradale	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.029	<i>nd</i>	<i>nd</i>	<i>nd</i>
		2018	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.037	<i>nd</i>	<i>nd</i>	<i>nd</i>
314SYL	Santa Ynez River @ River Park	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
314SYN	Santa Ynez River @ 13th Street Bridge	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	January	9.500	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.0092	<i>nd</i>	<i>nd</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
315APF	Arroyo Paredon	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.014	<i>nd</i>
			September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
315BEF	Bell Creek	2017	September	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.031	<i>nd</i>
			December	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.020	<i>nd</i>
		2018	January	<i>nd</i>	<i>nd</i>	0.015	<i>nd</i>	<i>nd</i>	11.000	<i>nd</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
315FMV	Franklin Creek	2017	September	7.600	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			December	3.800	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
		2018	January	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>	<i>nd</i>
			September	<i>nd</i>	<i>nd</i>	<i>nd</i>	0.007	<i>nd</i>	<i>nd</i>	<i>nd</i>

Site ID*	Site Description	Year	Month	Glyphosate	Paraquat	Atrazine	Diuron	Linuron	Simazine	Trifluralin
315GAN	Glenn Annie Creek	2017	September	nd	nd	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd	nd	nd
		2018	January	6.400	nd	nd	nd	nd	1.400	nd
			September	nd	nd	nd	nd	nd	nd	nd
315LCC	Los Carneros Creek	2017	September	nd	nd	nd	nd	nd	nd	nd
			December	nd	nd	nd	nd	nd	nd	nd
		2018	January	3.700	nd	nd	nd	nd	nd	nd
			September	dry	dry	dry	dry	dry	dry	dry

Notes:

- * Site IDs not included were sites that were not scheduled to be sampled.
 nd Analyte was not detected above the Method Detection Limit.

Table 9. Pesticides Detected in Sediment at NMU Sites, 2017 and 2018 (ng/g or ppb).

Site ID*	Site Description	Year	Month	Bifenthrin	Cyfluthrin, Total	Cyhalothrin, gamma-	Cyhalothrin, Total lambda-	Cypermethrin, Total	Esfenvalerate	Fenpropathrin	Fenvalerate	Permethrin (cis + trans)	T-Fluvalinate	Chlorpyrifos
305BRS	Beach Road Ditch	2017	July	0.230	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			September	0.770	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.600
		2018	April	3.070	nd	nd	nd	nd	nd	1.010	0.337	nd	nd	7.940
			September	1.640	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
305CAN	Carnadero Creek	2017	July	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	6.110
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
305CHI	Pajaro River	2017	July	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5.800
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.370
305COR	Salsipuedes Creek	2017	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.100
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.640
305FRA	Pajaro River Millers Canal	2017	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	8.010
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
305FUF	Furlong Creek	2017	July	1.100	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			September	0.850	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	11.300	nd	nd	nd	nd	0.300	nd	0.316	nd	nd	4.790
			September	24.300	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
305LCS	Llagas Creek	2017	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.200
			September	1.000	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	1.010	0.456	nd	nd	nd	nd	nd	nd	nd	nd	11.100
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
305PJP	Pajaro River	2017	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			September	0.380	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	0.687	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
305SJA	San Juan Creek	2017	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	9.420
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.180

Site ID*	Site Description	Year	Month	Bifenthrin	Cyfluthrin, Total	Cyhalothrin, gamma-	Cyhalothrin, Total lambda-	Cypermethrin, Total	Esfenvalerate	Fenpropathrin	Fenvalerate	Permethrin (cis + trans)	T-Fluvalinate	Chlorpyrifos
305TSR	Tequisquita Slough	2017	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.100
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	6.370
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.910
305WCS	Watsonville Creek	2017	July	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.000
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.770	6.060
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.720
305WSA	Watsonville Slough	2017	April	2.030	nd	nd	nd	nd	nd	0.220	nd	nd	nd	nd
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	April	7.985	nd	nd	nd	nd	nd	0.267	nd	nd	nd	8.000
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
309ALG	Reclamation Canal above Salinas	2017	April	2.870	nd	2.000	1.920	nd	nd	nd	nd	nd	nd	nd
			September	1.050	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	20.300	2.340	7.860	6.910	2.750	nd	0.897	0.252	31.600	nd	9.750
			September	33.300	0.503	3.830	4.270	nd	nd	0.682	nd	nd	nd	2.550
309ASB	Alisal Slough	2017	April	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			September	2.600	nd	1.100	0.880	nd	nd	nd	nd	nd	nd	nd
		2018	April	2.530	nd	nd	nd	nd	nd	nd	nd	nd	nd	8.710
			September	26.000	nd	5.990	6.030	1.190	nd	1.090	nd	nd	nd	4.440
309BLA	Blanco Drain	2017	April	6.190	nd	4.700	2.760	nd	nd	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	4.300	nd	1.910	2.170	nd	nd	nd	nd	nd	nd	7.230
			September	6.350	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.760
309CCD	Chualar Creek	2017	April	5.180	nd	3.200	3.310	nd	nd	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	0.790	nd	nd	0.360	nd	nd	nd	nd	nd	nd	7.140
			September	1.815	nd	2.250	2.465	nd	nd	0.330	nd	nd	nd	2.445
309ESP	Espinosa Slough	2017	April	7.780	nd	nd	nd	nd	nd	0.420	nd	nd	nd	nd
			September	1.410	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.400
		2018	April	3.300	nd	nd	nd	nd	nd	nd	nd	nd	nd	12.200
			September	6.450	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.060
309GAB	Gabilan Creek	2017	April	0.480	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.000
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	April	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
309GRN	Salinas River (Mid)	2017	July	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.600
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	7.090
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.450

Site ID*	Site Description	Year	Month	Bifenthrin	Cyfluthrin, Total	Cyhalothrin, gamma-	Cyhalothrin, Total lambda-	Cypermethrin, Total	Esfenvalerate	Fenpropathrin	Fenvalerate	Permethrin (cis + trans)	T-Fluvalinate	Chlorpyrifos
309JON	Reclamation Canal below Salinas	2017	April	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment
			September	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment
		2018	April	36.100	3.050	9.0200	9.600	5.340	nd	1.230	nd	23.590	8.490	13.000
			September	47.600	1.0345	5.690	6.245	1.595	nd	1.380	nd	24.720	2.670	22.350
309MER	Merrit Ditch	2017	April	12.180	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.650
		2018	April	10.500	nd	nd	nd	nd	nd	nd	nd	nd	nd	7.040
			September	22.200	nd	nd	nd	nd	nd	0.270	nd	nd	nd	3.530
309MOR	Moro Cojo Slough	2017	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	0.272	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.990
			September	1.050	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.880
309NAD	Natividad Creek	2017	April	1.250	nd	nd	0.340	nd	nd	2.530	nd	nd	nd	3.400
			September	1.390	nd	nd	nd	nd	nd	0.700	nd	nd	nd	nd
		2018	April	8.060	nd	1.810	1.190	12.900	nd	2.060	nd	nd	nd	10.300
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
309OLD	Old Salinas River	2017	April	441.980	1.160	18.900	15.660	4.000	14.540	12.580	17.380	215.140	nd	nd
			September	6.540	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	28.400	nd	nd	nd	0.368	1.400	nd	1.190	153.200	nd	4.000
			September	43.300	nd	0.975	0.946	nd	0.353	0.330	0.299	nd	nd	2.960
309QUI	Quail Creek	2017	April	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
309RTA	Santa Rita Creek	2017	July	nd	nd	nd	0.400	nd	nd	nd	nd	3.860	nd	nd
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	April	31.000	nd	27.200	26.600	2.590	nd	4.950	nd	319.000	nd	5.080
			September	42.100	nd	20.600	18.200	nd	nd	4.770	nd	84.000	nd	2.130
309SAC	Salinas River (Lower) @ Chualar Bridge	2017	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
309SAG	Salinas River @ Gonzales River Road Bridge	2017	September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.460
309SSP	Salinas River (Lower) @ Spreckles Gage	2017	July	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.500
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	8.440
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.200

Site ID*	Site Description	Year	Month	Bifenthrin	Cyfluthrin, Total	Cyhalothrin, gamma-	Cyhalothrin, Total lambda-	Cypermethrin, Total	Esfenvalerate	Fenpropathrin	Fenvalerate	Permethrin (cis + trans)	T-Fluvalinate	Chlorpyrifos
309TEH	Tembladero Slough	2017	April	19.565	nd	6.500	6.505	0.580	nd	2.480	nd	nd	0.475	1.200
			September	0.830	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	23.850	0.667	4.070	4.785	0.843	nd	0.741	nd	nd	0.830	5.995
			September	5.060	nd	0.977	1.080	nd	nd	nd	nd	nd	nd	3.030

Notes:

- *

Site IDs not included were sites that were not scheduled to be sampled.
- nd

Analyte was not detected above the Method Detection Limit.

Table 10. Pesticides Detected in Sediment at SMU Sites, 2017 and 2018 (ng/g or ppb).

Site ID*	Site Description	Year	Month	Bifenthrin	Cyfluthrin, Total	Cyhalothrin, gamma-	Cyhalothrin, Total lambda-	Cypermethrin, Total	Esfenvalerate	Fenpropathrin	Fenvalerate	Permethrin (cis + trans)	T-Fluvalinate	Chlorpyrifos
310CCC	Chorro Creek	2017	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	6.820
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
310LBC	Los Berros Creek	2017	April	1.090	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.100
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.160
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
310PRE	Prefumo Creek	2017	April	0.290	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.960
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.290
310USG	Arroyo Grande Creek	2017	April	nd	nd	nd	nd	1.070	nd	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	0.500	nd	nd	nd	nd	nd	nd	nd	nd	nd	5.830
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.210
310WRP	Warden Creek	2017	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	April	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
312BCC	Bradley Canyon Creek	2017	April	0.220	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	April	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
312BCJ	Bradley Channel	2017	April	1.850	0.320	1.900	1.200	nd	nd	0.620	nd	nd	nd	1.500
			September	5.630	nd	nd	nd	0.520	nd	0.900	nd	6.350	nd	nd
		2018	April	1.370	nd	nd	nd	nd	nd	0.735	nd	nd	nd	3.380
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
312GVS	Green Valley	2017	April	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	April	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
312MSD	Main Street Canal	2017	April	2.340	0.670	3.900	3.740	0.620	nd	0.690	nd	6.240	nd	1.700
			September	1.250	0.580	nd	nd	nd	nd	nd	nd	4.000	nd	2.700
		2018	April	1.145	nd	1.190	0.663	nd	nd	0.248	nd	nd	nd	8.655
			September	13.800	6.810	10.100	9.140	nd	nd	1.740	nd	261.000	nd	1.330

Site ID*	Site Description	Year	Month	Bifenthrin	Cyfluthrin, Total	Cyhalothrin, gamma-	Cyhalothrin, Total lambda-	Cypermethrin, Total	Esfenvalerate	Fenpropathrin	Fenvalerate	Permethrin (cis + trans)	T-Fluvalinate	Chlorpyrifos
312OFC	Oso Flaco Creek	2017	April	6.745	nd	4.950	3.260	nd	nd	6.670	nd	nd	nd	nd
			September	3.480	nd	2.300	2.850	nd	nd	3.140	nd	nd	nd	1.100
		2018	April	2.905	nd	0.8125	0.740	nd	nd	2.340	nd	nd	nd	7.000
			September	4.770	nd	nd	nd	nd	nd	3.660	nd	nd	nd	2.980
312OFN	Little Oso Flaco Creek	2017	April	21.440	nd	3.500	2.650	nd	nd	1.950	nd	nd	nd	nd
			September	2.060	nd	nd	nd	nd	nd	0.250	nd	nd	nd	nd
		2018	April	2.030	nd	nd	nd	nd	nd	0.239	nd	nd	nd	9.240
			September	6.280	nd	nd	nd	nd	nd	1.560	nd	nd	nd	2.870
312ORC	Orcutt Solomon Creek @ Sand Plant	2017	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			September	nd	0.280	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	0.546	nd	nd	nd	nd	nd	0.356	nd	nd	nd	9.350
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.790
312ORI	Orcutt Solomon Creek @ Highway 1	2017	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.500
			September	0.990	nd	nd	nd	nd	nd	0.210	nd	nd	nd	2.800
		2018	April	0.733	nd	nd	nd	nd	nd	nd	nd	nd	nd	5.220
			September	3.465	nd	nd	nd	nd	nd	1.255	nd	nd	nd	3.500
312SMA	Santa Maria River @ Estuary	2017	April	nd	nd	nd	0.450	nd	nd	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5.290
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.320
312SMI	Santa Maria River @ Hwy 1	2017	April	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	April	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
313SAE	San Antonio Creek	2017	July	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	April	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
314SYF	Santa Ynez River @ Floradale	2017	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	September	2.710	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.580
314SYL	Santa Ynez River @ River Park	2017	July	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
314SYN	Santa Ynez River @ 13th Street Bridge	2017	July	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5.670
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry

Site ID*	Site Description	Year	Month	Bifenthrin	Cyfluthrin, Total	Cyhalothrin, gamma-	Cyhalothrin, Total lambda-	Cypermethrin, Total	Esfenvalerate	Fenpropathrin	Fenvalerate	Permethrin (cis + trans)	T-Fluvalinate	Chlorpyrifos
315APF	Arroyo Paredon	2017	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.720
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
315BEF	Bell Creek	2017	July	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.280
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
315FMV	Franklin Creek	2017	April	1.410	nd	6.400	6.280	nd	nd	nd	nd	nd	0.650	1.300
			September	nd	0.960	nd	nd	nd	nd	nd	nd	nd	nd	nd
		2018	April	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	4.850
			September	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
315GAN	Glenn Annie Creek	2017	July	nd	nd	nd	nd	nd	nd	0.890	nd	nd	nd	1.900
			September	nd	nd	nd	nd	nd	nd	0.560	nd	nd	nd	2.100
		2018	April	nd	1.540	nd	nd	0.308	nd	1.120	nd	nd	nd	7.980
			September	nd	2.0200	nd	nd	nd	nd	2.660	nd	nd	nd	3.030
315LCC	Los Carneros Creek	2017	July	nd	nd	nd	nd	nd	nd	0.240	nd	nd	nd	nd
			September	nd	nd	nd	nd	nd	nd	0.420	nd	nd	nd	1.100
		2018	April	nd	nd	nd	nd	nd	nd	0.661	nd	nd	nd	2.630
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry

Notes:

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Site IDs not included were sites that were not scheduled to be sampled.

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Analyte was not detected above the Method Detection Limit.

Table 11. Toxicity to Invertebrates and Toxicants Detected in Water at NMU Sites, 2017 and 2018.

Site ID*	Site Description	Year	Month	Chironomus			Ceriodaphnia					Pesticides, Neonicotinoids, & Metals Detected in Water ¹
				Chironomus %Survival	Organophosphate toxic units	Neonicotinoid toxic units	Ceriodaphnia %Survival	Invertebrate %Growth	Invertebrate %Repro	Organophosphate toxic units	Neonicotinoid toxic units	
305BRS	Beach Road Ditch	2017	September ⁵		0.00	0.00	94 ³			0.00	0.00	22,24,25,26,27,28,30,32,33,34,36,37,38
			December ⁵		0.00	0.01	102 ³			0.00	0.00	18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
		2018	March		0.00	0.09	93 ³			0.03	0.00	9,15,16,18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			September	105	0.00	0.01	100		123	0.00	0.00	18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
305CAN	Carnadero Creek	2017	September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			December	98	0.00	0.01	100		156	0.00	0.00	18,22,24,25,26,27,28,30,32,33,34,36,37,38
		2018	March	100	0.00	0.02	100		137	0.00	0.00	18,19,22,24,25,26,27,28,30,32,33,34,36,37,38
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
305CHI	Pajaro River	2017	September	92	0.01	0.15	100		101	0.40	0.00	5,18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			December	103	0.00	0.00	100		124	0.00	0.00	22,24,25,27,28,30,32,33,34,36,37,38
		2018	March	103	0.00	0.01	100		132	0.00	0.00	15,17,20,22,24,26,27,28,30,32,33,34,36,37,38
			September	60	0.00	0.00	100		170	0.00	0.00	16,20,22,24,26,27,28,29,30,32,33,34,36,37,38
305COR	Salsipuedes Creek	2017	September	85	0.00	0.00	100		103	0.00	0.00	22,24,26,27,28,30,32,33,34,36,37,38
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	March	97	0.00	0.00	100		130	0.00	0.00	22,24,26,27,28,29,30,32,33,34,36,37,38
			September	97	0.00	0.00	100		143	0.03	0.00	9,17,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
305FRA	Pajaro River Millers Canal	2017	September ⁵		0.00	0.00	98 ³			0.00	0.00	22,24,25,26,27,28,29,30,32,33,34,36,37,38
			December ⁵		0.00	0.00	0 ⁴	0 ⁴		0.00	0.00	17,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
		2018	March	90	0.00	0.00	100		127	0.00	0.00	20,22,24,26,27,28,29,30,32,33,34,36,37,38
			September		0.00	0.00	0 ⁴	0 ⁴		0.00	0.00	15,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
305FUF	Furlong Creek	2017	September	82	0.01	0.00	100		94	0.58	0.00	5,22,24,26,27,28,30,32,33,34,36,37,38
			December	92	0.00	0.01	100		120	0.00	0.00	18,22,24,26,27,28,30,32,33,34,36,37,38
		2018	March	100	0.00	0.04	90		121	0.00	0.00	18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			September	74	0.00	0.01	100		164	0.00	0.00	18,20,
305LCS	Llagas Creek	2017	September	72	0.00	0.00	100		106	0.00	0.00	22,24,25,26,27,28,30,32,33,34,36,37,38
			December	80	0.00	0.00	100		134	0.00	0.00	22,24,25,26,27,28,30,32,33,34,36,37,38
		2018	March	100	0.00	0.00	100		133	0.00	0.00	17,20,
			September	47	0.00	0.00	100		139	0.00	0.00	20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
305PJP	Pajaro River	2017	September	98	0.00	0.00	100		84	0.00	0.00	22,24,25,26,27,28,30,32,33,34,36,37,38
			December	97	0.00	0.01	100		113	0.00	0.00	18,22,24,25,26,27,28,30,32,33,34,36,37,38
		2018	March	95	0.00	0.07	100		138	0.01	0.00	9,15,18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			September	103	0.00	0.00	100		119	0.00	0.00	22,24,25,26,27,28,30,32,33,34,36,37,38

Site ID*	Site Description	Year	Month	Chironomus			Ceriodaphnia					Pesticides, Neonicotinoids, & Metals Detected in Water ¹
				Chironomus %Survival	Organophosphate toxic units	Neonicotinoid toxic units	Ceriodaphnia %Survival	Invertebrate %Growth	Invertebrate %Repro	Organophosphate toxic units	Neonicotinoid toxic units	
305SJA	San Juan Creek	2017	September ⁵		0.00	0.00	98 ³			0.00	0.00	20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
			September ^{2,5}		0.00	0.00	100 ³			0.00	0.00	20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
			December	95	0.00	0.03	100		98	0.00	0.00	18,22,24,25,26,27,28,29,30,32,33,34,36,37,38
		2018	March	105	0.00	0.00	100		125	0.00	0.00	20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
			March ²	103	0.00	0.00	100		125	0.00	0.00	20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
			September		0.00	0.00	100 ³			0.00	0.00	20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
			September ²		0.00	0.00	98 ³			0.00	0.00	20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
305TSR	Tequisquita Slough	2017	September ⁵		0.00	0.00	100 ³			0.00	0.00	22,24,25,26,27,28,29,30,32,33,34,36,37,38
			December ⁵		0.00	0.00	96 ³			0.00	0.00	18,22,24,25,26,27,28,30,32,33,34,36,37,38
			December ^{2,5}		0.00	0.00	100 ³			0.00	0.00	18,22,24,25,26,27,28,30,32,33,34,36,37,38
		2018	March		0.00	0.02	100 ³			0.00	0.00	18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			September		0.00	0.00	98 ³			0.00	0.00	17,20,22,24,25,26,27,28,29,32,33,34,36,37,38
305WCS	Watsonville Creek	2017	September	100	0.00	0.00	100		66	0.00	0.00	20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
			December	103	0.00	0.02	100		110	0.00	0.00	17,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
		2018	March	95	0.00	0.01	100		117	0.00	0.00	17,18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			September	105	0.00	0.05	100		91	0.00	0.00	15,17,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
305WSA	Watsonville Slough	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			December ⁵		0.00	0.01	102 ³			0.00	0.00	15,20,22,24,25,26,27,28,30,32,33,34,36,37,38
		2018	March		0.00	0.06	104 ³			0.00	0.00	15,16,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
309ALG	Reclamation Canal above Salinas	2017	September	100	0.00	0.03	90		50	0.00	0.00	15,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			December	95	0.00	0.06	100		143	0.00	0.00	16,18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
		2018	March	0	0.00	0.49	100		64	0.01	0.00	9,15,16,18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			September	56	0.29	0.52	100		130	0.00	0.00	7,15,16,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
309ASB	Alisal Slough	2017	September ⁵		0.00	0.00	104 ³			0.06	0.00	9,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			December ⁵		0.00	0.09	98 ³			0.00	0.00	18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
		2018	March	5	0.00	1.09	100		91	0.03	0.00	9,18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			September		0.02	0.01	100 ³			0.19	0.00	7,9,15,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
309BLA	Blanco Drain	2017	September	100	0.00	0.01	100		31	0.00	0.00	20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
			December	90	0.00	0.03	100		111	0.00	0.00	17,18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
		2018	March	93	0.00	0.05	100		86	0.00	0.00	16,17,18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			September	97	0.00	0.02	100		78	0.00	0.00	15,16,17,20,22,24,25,26,27,28,30,32,33,34,36,37,38
309CCD	Chualar Creek	2017	September	30	0.00	0.04	100		61	0.00	0.00	15,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	March	0	0.00	0.05	90		59	0.00	0.00	16,17,18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			September	100 ⁶	0.00	0.02	0		0	0.00	0.00	15,16,17,20,22,24,25,26,27,28,30,32,33,34,36,37,38
309CRR	Chualar Creek North	2017	September	dry	dry	dry	dry	dry	dry	dry	dry	dry
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry

Site ID*	Site Description	Year	Month	Chironomus			Ceriodaphnia					Pesticides, Neonicotinoids, & Metals Detected in Water ¹
				Chironomus %Survival	Organophosphate toxic units	Neonicotinoid toxic units	Ceriodaphnia %Survival	Invertebrate %Growth	Invertebrate %Repro	Organophosphate toxic units	Neonicotinoid toxic units	
309ESP	Espinosa Slough	2017	September	95	0.00	0.00	100		67	0.00	0.00	20,15,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
			December	92	0.00	0.11	100		89	0.00	0.00	9,15,16,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
		2018	March	55	0.00	0.12	90		120	0.01	0.00	15,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			September	105	0.00	0.01	100		91	0.00	0.00	22,24,25,26,27,28,29,30,32,33,34,36,37,38
309GAB	Gabilan Creek	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	March	0	0.00	0.09	80		0	0.00	0.00	15,16,18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry
309GRN	Salinas River (Mid)	2017	September	98	0.00	0.00	100		85	0.00	0.00	22,24,25,26,27,28,30,32,33,34,36,37,38
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	March	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	98 ⁶	0.00	0.00	100		121	0.00	0.00	22,24,25,26,27,28,30,32,33,34,36,37,38
309JON	Reclamation Canal below Salinas	2017	September	8	0.00	0.30	0		0	0.00	0.00	15,18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			September ²	23	0.00	0.30	0		0	0.00	0.00	15,18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			December	73	0.01	0.11	100		157	0.07	0.00	2,15,16,17,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
		2018	March	8	0.00	0.12	90		0	0.01	0.00	9,15,16,18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			September	73	0.08	0.28	100		128	0.14	0.00	2,7,15,16,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
			September ²	59	0.08	0.28	100		125	0.14	0.00	2,7,15,16,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
309MER	Merrit Ditch	2017	September	98	0.00	0.00	90		75	0.06	0.00	9,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			December	97	0.00	0.15	100		71	0.00	0.00	18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
			December ²	95	0.00	0.15	100		75	0.00	0.00	18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
		2018	March	42	0.00	0.05	20		0	0.53	0.00	9,15,16,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
			September	89	0.00	0.11	100		124	0.19	0.00	9,15,16,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
309MOR	Moro Cojo Slough	2017	September ⁵		0.00	0.00	105 ⁴	112 ⁴		0.00	0.00	22,24,25,26,27,28,29,30,32,33,34,36,37,38
			December ⁵		0.00	0.00	100 ⁴	100 ⁴		0.00	0.00	20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
		2018	March		0.00	0.01	100 ⁴	103 ⁴		0.00	0.00	18,20,22,24,25,26,29,30,32,33,34,36,37,38
			September		0.00	0.00	85 ⁴	85 ⁴		0.00	0.00	20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
309NAD	Natividad Creek	2017	September	68	0.21	0.06	0		0	13.46	0.00	2,5,9,15,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			December	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	March	0	2.21	0.76	0		0	143.92	0.00	5,9,15,16,18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry
309OLD	Old Salinas River	2017	September ⁵		0.00	0.01	3 ³			0.00	0.00	20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
			December ⁵		0.00	0.00	62 ³			0.00	0.00	17,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
		2018	March		0.00	0.01	10 ³			0.00	0.00	17,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
			September	97	0.00	0.01	100		94	0.00	0.00	18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
309QUI	Quail Creek	2017	September	0	0.10	0.02	0		0	1.32	0.00	2,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
			December	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	March	0	0.00	0.36	0		0	0.00	0.00	15,16,18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected

Site ID*	Site Description	Year	Month	Chironomus			Ceriodaphnia					Pesticides, Neonicotinoids, & Metals Detected in Water ¹
				Chironomus %Survival	Organophosphate toxic units	Neonicotinoid toxic units	Ceriodaphnia %Survival	Invertebrate %Growth	Invertebrate %Repro	Organophosphate toxic units	Neonicotinoid toxic units	
309RTA	Santa Rita Creek	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	March	87	0.00	0.13	100		39	0.00	0.00	15,16,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
			September	88 ⁶	0.00	0.15	100		117	0.16	0.00	9,15,16,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
309SAC	Salinas River (Lower) @ Chualar Bridge	2017	September	98	0.00	0.00	100		73	0.00	0.00	22,24,25,26,27,28,30,32,33,34,36,37,38
		2018	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
309SAG	Salinas River @ Gonzales River Road Bridge	2017	September	98	0.00	0.00	90		66	0.00	0.00	20,22,24,25,26,27,28,30,32,33,34,36,37,38
			September	88	0.04	0.00	100		114	0.02	0.00	7,9,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
309SSP	Salinas River (Lower) @ Spreckles Gage	2017	September	98	0.00	0.00	100		88	0.00	0.00	20,22,24,25,26,27,28,30,32,33,34,36,37,38
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	March	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			September	100 ⁶	0.00	0.01	100		100	0.00	0.00	15,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
309TEH	Tembladero Slough	2017	September	85	0.00	0.01	100		76	0.00	0.00	20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
			December	92	0.00	0.12	100		79	0.00	0.00	15,17,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
		2018	March	85	0.00	0.04	100		112	0.04	0.00	9,15,16,18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			March ²	90	0.00	0.04	100		111	0.04	0.00	9,15,16,18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			September	89	0.00	0.07	100		120	0.03	0.00	9,15,16,17,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38

Notes:

*

Red

1

2

3

4

5

Site IDs not included were sites that were not scheduled to be sampled.

Indicates result is significantly different from the control.

Numbers in this column correspond to toxicants named in Table 2-1.

Duplicate sample result.

Due to elevated salinity, the alternative species *Hyaella azteca* was used.

Due to elevated salinity, the alternative species *Americamysis bahia* was used.

No *Chironomus* testing was performed on this sample due to the sample conductivity exceeding 3,000 µS/cm.

Table 12. Toxicity to Invertebrates and Toxicants Detected in Water at SMU Sites, 2017 and 2018.

Site ID*	Site Description	Year	Month	Chironomus			Ceriodaphnia					Pesticides, Neonicotinoids, & Metals Detected in Water ¹
				Chironomus %Survival	Organophosphate toxic units	Neonicotinoid toxic units	Ceriodaphnia %Survival	Invertebrate %Growth	Invertebrate %Repro	Organophosphate toxic units	Neonicotinoid toxic units	
310CCC	Chorro Creek	2017	September	85	0.00	0.20	100		79	0.00	0.00	18,22,24,25,27,28,32,33,34,36,37,38
			December	86	0.00	0.00	100		60	0.00	0.00	22,24,26,27,28,30,32,33,34,36,37,38
		2018	January	97	0.00	0.00	100		104	0.00	0.00	21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
			September	83	0.00	0.00	90		163	0.00	0.00	22,24,25,26,27,28,30,32,33,34,36,37,38
310LBC	Los Berros Creek	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
310PRE	Prefumo Creek	2017	September	92	0.00	0.00	100		83	0.00	0.00	22,24,25,26,27,28,30,32,33,34,36,37,38
			December	89	0.00	0.00	100		104	0.00	0.00	22,24,25,26,27,28,30,32,33,34,36,37,38
		2018	January	100	0.00	0.00	100		96	0.00	0.00	21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
			September	94	0.00	0.00	100		143	0.00	0.00	22,24,25,26,27,28,30,32,33,34,36,37,38
310USG	Arroyo Grande Creek	2017	September	74	0.00	0.00	90		62	0.00	0.00	22,24,25,26,27,28,32,33,34,36,37,38
			December	89	0.00	0.00	100		77	0.00	0.00	22,24,25,26,27,28,30,32,33,34,36,37,38
		2018	January	0	0.00	1.01	60		10	0.25	0.00	9,15,17,18,20,21,22,23,24,25,26,27,28,30,31,32,33,34,35,36,37,38
			September	92	0.00	0.00	100		128	0.00	0.00	22,24,25,26,27,28,30,32,33,34,36,37,38
310WRP	Warden Creek	2017	September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	January	98	0.00	0.01	100		64	0.00	0.00	21,22,23,24,25,26,27,28,30,31,32,33,34,35,36,37,38
			September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
312BCC	Bradley Canyon Creek	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	January	0	0.00	1.33	70		74	0.35	0.00	9,15,17,18,20,21,22,23,24,25,26,27,28,30,31,32,33,34,35,36,37,38
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
312BCJ	Bradley Channel	2017	September	100	0.00	0.00	111		66	0.00	0.00	20,22,24,25,26,27,28,30,32,33,34,36,37,38
			December	98	0.00	0.02	100		115	0.10	0.00	2,9,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
		2018	January	0	0.00	0.53	0		0	0.31	0.00	2,9,15,18,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
			September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
312GVS	Green Valley	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	0	0.14	0.57	100		71	1.84	0.00	2,9,15,18,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>

Site ID*	Site Description	Year	Month	Chironomus			Ceriodaphnia					Pesticides, Neonicotinoids, & Metals Detected in Water ¹
				Chironomus %Survival	Organophosphate toxic units	Neonicotinoid toxic units	Ceriodaphnia %Survival	Invertebrate %Growth	Invertebrate %Repro	Organophosphate toxic units	Neonicotinoid toxic units	
312MSD	Main Street Canal	2017	September	10	0.00	0.00	100		26	0.10	0.00	9,22,24,25,26,27,28,29,30,32,33,34,36,37,38
			December	83	0.00	0.13	100		137	0.16	0.00	9,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
		2018	January	8	1.05	0.21	0		0	13.29	0.00	2,9,15,18,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
			September		0.00	0.06	0 ³			0.12	0.00	9,15,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
312OFC	Oso Flaco Creek	2017	September	93	0.00	0.00	90		54	0.20	0.00	9,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			December	72	0.00	0.00	100		133	0.02	0.00	9,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
		2018	January	0	0.00	0.37	0		0	0.02	0.00	9,15,18,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
			September	100	0.00	0.00	100		132	0.04	0.00	9,20,22,24,25,26,27,28,30,32,33,34,36,37,38
312OFN	Little Oso Flaco Creek	2017	September	88	0.00	0.04	100		67	0.00	0.00	15,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			December	64	0.00	0.06	90		115	0.00	0.00	17,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
		2018	January	0	0.00	0.51	0		0	0.10	0.00	6,9,15,17,18,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
			January ²	0	0.00	0.51	0		0	0.10	0.00	6,9,15,17,18,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
			September	94	0.00	0.02	90		83	0.18	0.00	9,15,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
312ORC	Orcutt Solomon Creek @ Sand Plant	2017	September ⁴		0.05	0.71	0 ³			0.74	0.00	2,9,18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			December ⁴		0.00	0.38	24 ³			0.64	0.00	9,16,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
			December ^{2,4}		0.00	0.38	34 ³			0.64	0.00	9,16,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
		2018	January	30	0.00	0.50	100		50	0.01	0.00	9,15,18,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
			September		0.01	0.62	84 ³			0.17	0.00	2,15,16,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
312ORI	Orcutt Solomon Creek @ Highway 1	2017	September ⁴		0.00	1.13	102 ³			0.10	0.00	9,15,18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			September ^{2,4}		0.00	1.13	102 ³			0.10	0.00	9,15,18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			December ⁴		0.00	0.28	94 ³			0.08	0.00	9,15,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
		2018	January	0	0.06	1.47	100		72	0.95	0.00	2,9,15,18,20,21,22,23,24,25,26,27,28,30,31,32,33,34,35,36,37,38
			September		0.00	0.18	86 ³			0.16	0.00	9,15,16,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
			September ²		0.00	0.18	90 ³			0.16	0.00	9,15,16,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
312SMA	Santa Maria River @ Estuary	2017	September	8	0.02	0.35	90		39	0.30	0.00	2,9,18,20,22,24,25,26,27,28,30,32,33,34,36,37,38
			December ⁴		0.00	0.34	66 ³			0.75	0.00	9,16,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
		2018	January	23	0.00	0.44	100		70	0.02	0.00	9,15,18,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
			September		0.00	1.00	103 ³			0.00	0.00	15,16,18,20,22,24,25,26,27,28,29,30,32,33,34,36,37,38
312SMI	Santa Maria River @ Hwy 1	2017	September	dry	dry	dry	dry	dry	dry	dry	dry	dry
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	January	35	0.02	0.06	100		96	0.23	0.00	2,15,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry

Site ID*	Site Description	Year	Month	Chironomus			Ceriodaphnia					Pesticides, Neonicotinoids, & Metals Detected in Water ¹
				Chironomus %Survival	Organophosphate toxic units	Neonicotinoid toxic units	Ceriodaphnia %Survival	Invertebrate %Growth	Invertebrate %Repro	Organophosphate toxic units	Neonicotinoid toxic units	
313SAE	San Antonio Creek	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			December	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	January	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry
314SYF	Santa Ynez River @ Floradale	2017	September	93	0.00	0.00	100		76	0.00	0.00	22,24,25,26,27,28,29,30,32,33,34,36,37,38
		2018	September	88	0.00	0.00	100		194	0.00	0.00	22,24,25,26,27,28,29,30,32,33,34,36,37,38
314SYL	Santa Ynez River @ River Park	2017	September	93	0.00	0.00	100		84	0.00	0.00	22,24,25,26,27,28,32,33,34,36,37,38
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	January	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry
314SYN	Santa Ynez River @ 13th Street Bridge	2017	September	dry	dry	dry	dry	dry	dry	dry	dry	dry
			December	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	January	100	0.00	0.14	100		96	0.00	0.00	18,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry
315APF	Arroyo Paredon	2017	September	dry	dry	dry	dry	dry	dry	dry	dry	dry
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	January	93	0.00	0.00	100		109	0.00	0.00	21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
			September	93	0.00	0.00	100		144	0.00	0.00	22,24,25,26,27,28,29,30,32,33,34,36,37,38
315BEF	Bell Creek	2017	September ⁴		0.00	0.00	94 ³			0.00	0.00	22,24,25,27,28,32,33,34,36,37,38
			December ⁴		0.00	0.00	92 ³			0.00	0.00	17,22,24,25,26,27,28,30,32,33,34,36,37,38
		2018	January		0.00	0.00	91 ³			0.00	0.00	21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry
315FMV	Franklin Creek	2017	September	73	0.00	0.00	30		0	0.00	0.00	22,24,25,26,27,28,29,30,32,33,34,36,37,38
			December	100	0.00	0.07	100		121	0.00	0.00	17,18,22,24,25,26,27,28,29,30,32,33,34,36,37,38
		2018	January	78	0.00	0.01	100		46	0.00	0.00	17,18,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
			September	85	0.00	0.00	100		106	0.00	0.00	17,22,24,25,26,27,28,29,30,32,33,34,36,37,38
315GAN	Glenn Annie Creek	2017	September	90	0.00	0.00	70		53	0.00	0.00	22,24,25,26,27,28,30,32,33,34,36,37,38
			December	55	0.00	0.00	90		94	0.00	0.00	17,22,24,25,26,27,28,30,32,33,34,36,37,38
		2018	January	90	0.00	0.07	100		78	0.00	0.00	18,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
			September	75	0.00	0.00	90		131	0.00	0.00	20,22,24,25,26,27,28,30,32,33,34,36,37,38
315LCC	Los Carneros Creek	2017	September ⁴		0.00	0.00	104 ³			0.00	0.00	22,24,25,27,28,30,32,33,34,36,37,38
			December	63	0.00	0.00	60		49	0.00	0.00	22,24,25,26,27,28,29,30,32,33,34,36,37,38
		2018	January	95	0.00	0.00	100		83	0.00	0.00	21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry

Notes:		
*		Site IDs not included were sites that were not scheduled to be sampled.
Red		Indicates result is significantly different from the control.
1		Numbers in this column correspond to toxicants named in Table 2-1.
2		Duplicate sample result.
3		Due to elevated salinity, the alternative species <i>Hyaella azteca</i> was used.
4		No <i>Chironomus</i> testing was performed on this sample due to the sample conductivity exceeding 3,000 µs/cm.

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Table 13. Toxicity to Algae and Herbicides Detected in Water at NMU Sites, 2017 and 2018.

Site ID*	Site Description	Year	Month	Algae Toxicity %Growth	Herbicides Detected in Water ¹	Herbicides toxic units
305BRS	Beach Road Ditch	2017	September	190 ³	5	0.00
			December	158 ³		0.00
		2018	March	146 ³	4	0.00
			September	192		0.00
305CAN	Carnadero Creek	2017	September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			December	199		0.00
		2018	March	163		0.00
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>
305CHI	Pajaro River	2017	September	238		0.00
			December	201		0.00
		2018	March	266	4	0.00
			September	263		0.00
305COR	Salsipuedes Creek	2017	September	271		0.00
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	March	247		0.00
			September	425		0.00
305FRA	Pajaro River Millers Canal	2017	September	159 ³		0.00
			December	46 ³		0.00
		2018	March	215		0.00
			September	42 ³		0.00
305FUF	Furlong Creek	2017	September	250		0.00
			December	210		0.00
		2018	March	233	4	0.00
			September	330	4	0.00
305LCS	Llagas Creek	2017	September	204		0.00
			December	154		0.00
		2018	March	176	3,4	0.03
			September	293		0.00
305PJP	Pajaro River	2017	September	272		0.00
			December	228		0.00
		2018	March	213		0.00
			September	323		0.00

Site ID*	Site Description	Year	Month	Algae Toxicity %Growth	Herbicides Detected in Water ¹	Herbicides toxic units
305SJA	San Juan Creek	2017	September	174 ³	3	0.01
			September ²	172 ³	3	0.01
			December	439	3	0.00
		2018	March	233	3,4	0.08
			March ²	236	3,4	0.08
			September	158 ³		0.00
			September ²	161 ³		0.00
305TSR	Tequisquita Slough	2017	September	183 ³		0.00
			December	197 ³		0.00
			December ²	202 ³		0.00
		2018	March	172 ³		0.00
			September	132 ³		0.00
305WCS	Watsonville Creek	2017	September	286		0.00
			December	400		0.00
		2018	March	251	3,4	0.02
			September	494		0.00
305WSA	Watsonville Slough	2017	September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			December	141 ³	3	0.01
		2018	March	161 ³	4	0.00
			September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
309ALG	Reclamation Canal above Salinas	2017	September	223	4	0.01
			December	175	3,4	0.01
		2018	March	180	3,4	0.38
			September	182	4	0.01
309ASB	Alisal Slough	2017	September	198 ³	3,4	0.03
			December	202 ³	3	0.00
		2018	March	186	4	0.01
			September	184 ³	4	0.00
309BLA	Blanco Drain	2017	September	186	4	0.00
			December	214	4	0.01
		2018	March	232	3,4	0.01
			September	225	4	0.01
309CCD	Chualar Creek	2017	September	228	3,4	0.02
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	March	200	3,4	0.29
			September	156		0.00
309CRR	Chualar Creek North	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>

Site ID*	Site Description	Year	Month	Algae Toxicity %Growth	Herbicides Detected in Water ¹	Herbicides toxic units
309ESP	Espinosa Slough	2017	September	206		0.00
			December	342		0.00
		2018	March	203	3,4	0.02
			September	194	3,4	0.05
309GAB	Gabilan Creek	2017	September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	March	229	4	0.01
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>
309GRN	Salinas River (Mid)	2017	September	296		0.00
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	March	<i>dry</i>	<i>dry</i>	<i>dry</i>
			September	232		0.00
309JON	Reclamation Canal below Salinas	2017	September	239	3,4	0.01
			September ²	239	3,4	0.01
			December	236	4,5	0.02
		2018	March	183	3,4,5	0.06
			September	210	3,4,5,7	0.02
			September ²	193	3,4,5,7	0.02
309MER	Merrit Ditch	2017	September	256	3	0.01
			December	320	3	0.04
			December ²	342	3	0.04
		2018	March	145	3,4	0.17
			September	260	4	0.00
309MOR	Moro Cojo Slough	2017	September	96 ³	3	0.01
			December	111 ³		0.00
		2018	March	101 ³		0.00
			September	100 ³	3,7	0.00
309NAD	Natividad Creek	2017	September	165	4,7	0.00
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	March	178	4	0.02
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>
309OLD	Old Salinas River	2017	September	104 ³		0.00
			December	186		0.00
		2018	March	203 ³	4	0.00
			September	218	3	0.00
309QUI	Quail Creek	2017	September	262	3,4	0.03
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	March	188	4	0.03
			September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>

Site ID*	Site Description	Year	Month	Algae Toxicity %Growth	Herbicides Detected in Water ¹	Herbicides toxic units
309RTA	Santa Rita Creek	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	March	227	4	0.01
			September	256	4	0.05
309SAC	Salinas River (Lower) @ Chualar Bridge	2017	September	232		0.00
		2018	September	<i>dry</i>	<i>dry</i>	<i>dry</i>
309SAG	Salinas River @ Gonzales River Road Bridge	2017	September	226		0.00
		2018	September	228		0.00
309SSP	Salinas River (Lower) @ Spreckles Gage	2017	September	191		0.00
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	March	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			September	226		0.00
309TEH	Tembladero Slough	2017	September	228	4	0.01
			December	367	3,4	0.01
		2018	March	182	3,4	0.04
			March ²	98	3,4	0.04
			September	259	3,4,7	0.01

Notes:

- * Site IDs not included were sites that were not scheduled to be sampled.
- Red Indicates result is significantly different from the control.
- 1 Numbers in this column correspond to toxicants named in Table 2-3.
- 2 Duplicate sample result.
- 3 Due to elevated salinity, the alternative species *Thalassiosira pseudonana* was used.

Table 14. Toxicity to Algae and Herbicides Detected in Water at SMU sites, 2017 and 2018.

Site ID*	Site Description	Year	Month	Algae Toxicity %Growth	Herbicides Detected in Water ¹	Herbicides toxic units
310CCC	Chorro Creek	2017	September	213	7	0.00
			December	236		0.00
		2018	January	228		0.00
			September	233	7	0.00
310LBC	Los Berros Creek	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	<i>dry</i>	<i>dry</i>	<i>dry</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>
310PRE	Prefumo Creek	2017	September	177		0.00
			December	180		0.00
		2018	January	212		0.00
			September	177		0.00
310USG	Arroyo Grande Creek	2017	September	200		0.00
			December	196		0.00
		2018	January	226	4,5,7	0.01
			September	249		0.00
310WRP	Warden Creek	2017	September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	January	206		0.00
			September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
312BCC	Bradley Canyon Creek	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	January	147	4,5,8	0.02
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>
312BCJ	Bradley Channel	2017	September	176	4	0.03
			December	233	4	0.00
		2018	January	156	4,5,6,8	0.03
			September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
312GVS	Green Valley	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	181	4,5	0.02
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>
312MSD	Main Street Canal	2017	September	133	5	0.00
			December	278	4,5	0.01
		2018	January	158	4,5	0.01
			September	16 ³	4,5	0.03

Site ID*	Site Description	Year	Month	Algae Toxicity %Growth	Herbicides Detected in Water ¹	Herbicides toxic units
312OFC	Oso Flaco Creek	2017	September	222	3,4	0.01
			December	245		0.00
		2018	January	141	4	0.01
			September	144	4	0.00
312OFN	Little Oso Flaco Creek	2017	September	195		0.00
			December	285		0.00
		2018	January	165	4	0.04
			January ²	154	4	0.04
			September	236	4	0.00
312ORC	Orcutt Solomon Creek @ Sand Plant	2017	September	188 ³	5	0.01
			December	198 ³	5	0.01
			December ²	195 ³	5	0.01
		2018	January	211	4,5	0.01
			September	164 ³	4,5	0.00
312ORI	Orcutt Solomon Creek @ Highway 1	2017	September	164 ³	3,4,5	0.03
			September ²	170 ³	3,4,5	0.03
			December	180 ³	4,5	0.00
		2018	January	160	4,5	0.03
			September	188 ³	4,5,8	0.01
			September ²	183 ³	4,5,8	0.01
312SMA	Santa Maria River @ Estuary	2017	September	212	5	0.01
			December	190 ³	5	0.01
		2018	January	227	4,5	0.01
			September	154 ³	4,5	0.00
312SMI	Santa Maria River @ Hwy 1	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	198		0.00
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>
313SAE	San Antonio Creek	2017	September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	January	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>
314SYF	Santa Ynez River @ Floradale	2017	September	87	3	0.01
		2018	September	39	3	0.02
314SYL	Santa Ynez River @ River Park	2017	September	165		0.00
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	<i>dry</i>	<i>dry</i>	<i>dry</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>

Site ID*	Site Description	Year	Month	Algae Toxicity %Growth	Herbicides Detected in Water ¹	Herbicides toxic units
314SYN	Santa Ynez River @ 13th Street Bridge	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	January	173	4,5	0.01
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>
315APF	Arroyo Paredon	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	159	7	0.00
			September	156		0.00
315BEF	Bell Creek	2017	September	125 ³	7	0.00
			December	116 ³	7	0.00
		2018	January	178 ³		0.01
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>
315FMV	Franklin Creek	2017	September	306	4	0.01
			December	37	4	0.00
		2018	January	346		0.00
			September	37	3	0.00
315GAN	Glenn Annie Creek	2017	September	92		0.00
			December	74		0.00
		2018	January	162	4,7	0.01
			September	27		0.00
315LCC	Los Carneros Creek	2017	September	166 ³		0.00
			December	157		0.00
		2018	January	180	4	0.00
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>

Notes:

- * Site IDs not included were sites that were not scheduled to be sampled.
- Red** Indicates result is significantly different from the control.
- 1 Numbers in this column correspond to toxicants named in Table 2-3.
- 2 Duplicate sample result.
- 3 Due to elevated salinity, the alternative species *Thalassiosira pseudonana* was used.

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Table 15. Toxicity and Pesticides Detected in Sediment at NMU Sites, 2017 and 2018.

Site ID*	Site Description	Year	Month	H. azteca %Survival	H. azteca %Growth	TOC %Dry Wgt.	Pesticides Detected in Sediment ¹	Pyrethroid toxic units	Chlorpyrifos toxic units	Total Toxic Units
305BRS	Beach Road Ditch	2017	July	103	110	2.38	1	0.02	0.00	0.02
			September	97	71	2.10	1,11	0.07	0.04	0.11
		2018	April	97	120	1.27	1,7,8,11	0.55	0.35	0.91
			September	91	108	1.56	1	0.20	0.00	0.20
305CAN	Carnadero Creek	2017	July	104	131	0.84		0.00	0.00	0.00
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	April	118	99	0.57	11	0.00	0.61	0.61
			September	dry	dry	dry	dry	dry	dry	dry
305CHI	Pajaro River	2017	July	91	142	0.26		0.00	0.00	0.00
			September	91	127	0.68		0.00	0.00	0.00
		2018	April	104	114	0.54	11	0.00	0.61	0.61
			September	99	121	0.14	11	0.00	0.55	0.55
305COR	Salsipuedes Creek	2017	April	94	114	0.56		0.00	0.00	0.00
			September	103	106	0.50		0.00	0.00	0.00
		2018	April	103	113	0.44	11	0.00	0.27	0.27
			September	103	143	1.24	11	0.00	0.07	0.07
305FRA	Pajaro River Millers Canal	2017	April	99	99	1.60		0.00	0.00	0.00
			September	80	86	1.18		0.00	0.00	0.00
		2018	April	115	126	1.27	11	0.00	0.36	0.36
			September	67 ³		1.01		0.00	0.00	0.00
305FUF	Furlong Creek	2017	July	93	40	2.81	1	0.08	0.00	0.08
			September	83	43	3.64	1	0.04	0.00	0.04
		2018	April	88	48	3.87	1,6,8,11	0.57	0.07	0.64
			September	88	39	3.27	1	1.43	0.00	1.43

Site ID*	Site Description	Year	Month	H. azteca %Survival	H. azteca %Growth	TOC %Dry Wgt.	Pesticides Detected in Sediment ¹	Pyrethroid toxic units	Chlorpyrifos toxic units	Total Toxic Units
305LCS	Llagas Creek	2017	April	94	81	2.23	11	0.00	0.03	0.03
			September	104	101	1.89	1	0.10	0.00	0.10
		2018	April	117	104	3.06	1,2,11	0.08	0.20	0.28
			September	104	122	0.66		0.00	0.00	0.00
305PJP	Pajaro River	2017	April	80	51	0.81		0.00	0.00	0.00
			September	103	108	0.33	1	0.22	0.00	0.22
		2018	April	111	89	0.41	1	0.32	0.00	0.32
			September	100	123	0.24		0.00	0.00	0.00
305SJA	San Juan Creek	2017	April	95	62	1.98		0.00	0.00	0.00
			September	100	121	0.96		0.00	0.00	0.00
			September ²	79	113	0.96		0.00	0.00	0.00
		2018	April	88	110	1.03	11	0.00	0.52	0.52
			September	82	161	0.95	11	0.00	0.13	0.13
			September ²	82	137	0.95	11	0.00	0.13	0.13
305TSR	Tequisquita Slough	2017	April	96	114	3.16	11	0.00	0.02	0.02
			September	96	94	1.40		0.00	0.00	0.00
		2018	April	115	101	1.26	11	0.00	0.29	0.29
			September	96	122	1.58	11	0.00	0.07	0.07
305WCS	Watsonville Creek	2017	July	101	136	0.47	11	0.00	0.24	0.24
			September	103	114	0.23		0.00	0.00	0.00
		2018	April	117	126	0.68	10,11	0.00	0.50	0.50
			September			1.28	11	0.00	0.08	0.08

Site ID*	Site Description	Year	Month	H. azteca %Survival	H. azteca %Growth	TOC %Dry Wgt.	Pesticides Detected in Sediment ¹	Pyrethroid toxic units	Chlorpyrifos toxic units	Total Toxic Units
305WSA	Watsonville Slough	2017	April	95	45	0.69	1,7	0.59	0.00	0.59
			April ²	89	46	0.69	1,7	0.59	0.00	0.59
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	April	104	47	1.06	1,7,11	1.48	0.43	1.91
			April ²	97	43	1.06	1,7,11	1.48	0.43	1.91
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
309ALG	Reclamation Canal above Salinas	2017	April	0	0	2.34	1,3,4	0.61	0.00	0.61
			September	81	29	2.20	1	0.09	0.00	0.09
		2018	April	0	0	1.33	1,2,3,4,5,7,8,9,11	6.40	0.41	6.82
			September	0	0	1.57	1,2,3,4,7,11	5.29	0.09	5.39
309ASB	Alisal Slough	2017	April	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			September	23	31	2.32	1,3,4	0.41	0.00	0.41
		2018	April	89	34	2.78	1,11	0.18	0.18	0.35
			September	33	120	2.41	1,3,4,5,7,11	3.35	0.10	3.46
309BLA	Blanco Drain	2017	April	69	21	2.57	1,3,4	1.11	0.00	1.11
			September	100	61	1.32		0.00	0.00	0.00
		2018	April	97	95	1.94	1,3,4,11	0.89	0.21	1.10
			September	93	68	1.72	1,11	0.71	0.12	0.84
309CCD	Chualar Creek	2017	April	16	19	2.11	1,3,4	1.16	0.00	1.16
			September	10	3	0.26		0.00	0.00	0.00
		2018	April	100	62	0.63	1,4,11	0.37	0.64	1.01
			September	0	0	1.66	1,3,4,7,11	0.86	0.08	0.94
309ESP	Espinosa Slough	2017	April	44	88	2.22	1,7	0.69	0.00	0.69
			September	0	0	1.16	1,11	0.23	0.07	0.30
		2018	April	71	63	2.03	1,11	0.31	0.34	0.65
			September	95	56	2.34	1,11	0.53	0.07	0.60

Site ID*	Site Description	Year	Month	H. azteca %Survival	H. azteca %Growth	TOC %Dry Wgt.	Pesticides Detected in Sediment ¹	Pyrethroid toxic units	Chlorpyrifos toxic units	Total Toxic Units
309GAB	Gabilan Creek	2017	April	0	0	1.22	1,11	0.08	0.05	0.12
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	April	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry
309GRN	Salinas River (Mid)	2017	July	95	97	0.24	11	0.00	0.38	0.38
			September	76	76	0.55		0.00	0.00	0.00
		2018	April	99	90	0.58	11	0.00	0.69	0.69
			September	92	128	0.05	11	0.00	1.64	1.64
309JON	Reclamation Canal below Salinas	2017	April	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment
			September	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment
		2018	April	0	0	1.80	1,2,3,4,5,7,9,10,11	7.28	0.41	7.68
			September	6	12	1.62	1,2,3,4,5,7,9,10,11	7.82	0.78	8.60
			September ²	5	40	1.62	1,2,3,4,5,7,9,10,11	7.82	0.78	8.60
309MER	Merrit Ditch	2017	April	26	77	3.45	1	0.68	0.00	0.68
			September	68	36	2.54	11	0.00	0.04	0.04
			September ²	85	24	2.54	11	0.00	0.04	0.04
		2018	April	33	91	1.66	1,11	1.22	0.24	1.46
			September	0	0	1.71	1,7,11	2.51	0.12	2.63
309MOR	Moro Cojo Slough	2017	April	100	87	2.60		0.00	0.00	0.00
			September	102 ³		0.45		0.00	0.00	0.00
		2018	April	83 ³		0.80	1,11	0.07	0.21	0.28
			September	64 ³		1.43	1,11	0.14	0.07	0.22

Site ID*	Site Description	Year	Month	H. azteca %Survival	H. azteca %Growth	TOC %Dry Wgt.	Pesticides Detected in Sediment ¹	Pyrethroid toxic units	Chlorpyrifos toxic units	Total Toxic Units
309NAD	Natividad Creek	2017	April	10	35	0.60	1,4,7,11	0.91	0.32	1.23
			September	0	0	0.64	1,7	0.52	0.00	0.52
		2018	April	0	0	0.74	1,3,4,5,7,11	7.84	0.79	8.62
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
309OLD	Old Salinas River	2017	April	0	0	2.60	1,2,3,4,5,6,7,8,9	38.09	0.00	38.09
			September	0	0	2.11	1	0.60	0.00	0.60
		2018	April	0	0	1.48	1,5,6,8,9,11	4.83	0.15	4.98
			September	14	4	1.26	1,3,4,6,7,8,11	7.00	0.13	7.14
309QUI	Quail Creek	2017	April	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			September	68	36	1.37		0.00	0.00	0.00
		2018	April	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
309RTA	Santa Rita Creek	2017	July	4	4	<i>nd</i>	4,9	12.46	0.00	12.46
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	April	0	0	1.02	1,3,4,5,7,9,11	21.57	0.28	21.85
			September	0	0	1.69	1,3,4,7,9,11	10.61	0.07	10.68
309SAC	Salinas River (Lower) @ Chualar Bridge	2017	April	114	114	0.53		0.00	0.00	0.00
		2018	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
309SAG	Salinas River @ Gonzales River Road Bridge	2017	September	83	96	0.76		0.00	0.00	0.00
		2018	September	97	191	0.06	11	0.00	1.37	1.37
309SSP	Salinas River (Lower) @ Spreckles Gage	2017	July	71	104	1.09	11	0.00	0.08	0.08
			September	93	97	0.06		0.00	0.00	0.00
		2018	April	97	83	0.17	11	0.00	2.80	2.80
			September	100	124	0.05	11	0.00	3.62	3.62

Site ID*	Site Description	Year	Month	H. azteca %Survival	H. azteca %Growth	TOC %Dry Wgt.	Pesticides Detected in Sediment ¹	Pyrethroid toxic units	Chlorpyrifos toxic units	Total Toxic Units
309TEH	Tembladero Slough	2017	April	0	0	2.17	1,3,4,5,7,10,11	3.24	0.03	3.27
			April ²	0	0	2.17	1,3,4,5,7,10,11	3.24	0.03	3.27
			September	32	51	1.69	1	0.09	0.00	0.09
		2018	April	3	47	1.99	1,2,3,4,5,7,10,11	3.47	0.17	3.64
			April ²	6	187	1.99	1,2,3,4,5,7,10,11	3.47	0.17	3.64
			September	94	36	2.39	1,3,4,11	0.60	0.07	0.67

Notes:

- * Site IDs not included were sites that were not scheduled to be sampled.
- Red Indicates result is significantly different from the control.
- 1 Numbers in this column correspond to toxicants named in Table 2-2.
- 2 Duplicate sample result.
- 3 Due to elevated salinity, the alternative species *Eohaustorius estuarius* was used.

Table 16. Toxicity and Pesticides Detected in Sediment at SMU Sites, 2017 and 2018.

Site ID*	Site Description	Year	Month	H. azteca %Survival	H. azteca %Growth	TOC %Dry Wgt.	Pesticides Detected in Sediment ¹	Pyrethroid toxic units	Chlorpyrifos toxic units	Total Toxic Units
310CCC	Chorro Creek	2017	April	103	132	0.91		0.00	0.00	0.00
			September	100	118	1.25		0.00	0.00	0.00
		2018	April	104	155	0.33	11	0.00	1.17	1.17
			September	100	139	0.36		0.00	0.00	0.00
310LBC	Los Berros Creek	2017	April	94	109	1.04	1,11	0.20	0.06	0.26
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	April	101	148	0.81	11	0.00	0.22	0.22
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
310PRE	Prefumo Creek	2017	April	99	110	1.33	1	0.04	0.00	0.04
			September	99	93	2.08		0.00	0.00	0.00
		2018	April	100	101	0.48	11	0.00	0.35	0.35
			September	104	98	1.17	11	0.00	0.06	0.06
310USG	Arroyo Grande Creek	2017	April	100	140	0.69	5	0.41	0.00	0.41
			September	100	119	0.23		0.00	0.00	0.00
		2018	April	103	120	0.26	1,11	0.37	1.27	1.64
			September	101	108	0.51	11	0.00	0.13	0.13
310WRP	Warden Creek	2017	April	97	131	7.67		0.00	0.00	0.00
			September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	April	<i>no sediment</i>	<i>no sediment</i>	<i>no sediment</i>	<i>no sediment</i>	<i>no sediment</i>	<i>no sediment</i>	<i>no sediment</i>
			September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
312BCC	Bradley Canyon Creek	2017	April	92	66	0.39	1	0.11	0.00	0.11
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	April	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>

Site ID*	Site Description	Year	Month	H. azteca %Survival	H. azteca %Growth	TOC %Dry Wgt.	Pesticides Detected in Sediment ¹	Pyrethroid toxic units	Chlorpyrifos toxic units	Total Toxic Units
312BCJ	Bradley Channel	2017	April	0	0	0.51	1,2,3,4,7,11	2.22	0.17	2.38
			September	0	0	1.48	1,5,7,9	0.92	0.00	0.92
		2018	April	57	95	0.12	1,7,11	2.75	1.59	4.34
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
312GVS	Green Valley	2017	April	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry
		2018	April	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry
312MSD	Main Street Canal	2017	April	0	0	1.17	1,2,3,4,5,7,9,11	2.13	0.08	2.21
			September	0	0	0.55	1,2,9,11	0.60	0.28	0.88
		2018	April	102	34	0.11	1,3,4,7,11	5.95	4.45	10.40
			September	0	0	0.73	1,2,3,4,7,9,11	14.08	0.10	14.18
312OFC	Oso Flaco Creek	2017	April	8	11	0.93	1,3,4,7	3.99	0.00	3.99
			April ²	9	19	0.93	1,3,4,7	3.99	0.00	3.99
			September	91	31	0.20	1,3,4,7,11	10.50	0.31	10.81
		2018	April	88	43	0.38	1,3,4,7,11	2.94	1.04	3.98
			April ²	95	48	0.38	1,3,4,7,11	2.94	1.04	3.98
			September	83	89	0.58	1,7,11	2.16	0.29	2.45
312OFN	Little Oso Flaco Creek	2017	April	0	0	3.99	1,3,4,7	1.42	0.00	1.42
			September	54	91	1.69	1,7	0.25	0.00	0.25
		2018	April	65	55	1.54	1,7,11	0.27	0.34	0.61
			September	97	73	1.10	1,7,11	1.23	0.15	1.37
312ORC	Orcutt Solomon Creek @ Sand Plant	2017	April	97	61	0.37		0.00	0.00	0.00
			September	5	32	0.50	2	0.05	0.00	0.05
		2018	April	85	92	0.34	1,7,11	0.40	1.55	1.96
			September	101	98	0.43	11	0.00	0.37	0.37

Site ID*	Site Description	Year	Month	H. azteca %Survival	H. azteca %Growth	TOC %Dry Wgt.	Pesticides Detected in Sediment ¹	Pyrethroid toxic units	Chlorpyrifos toxic units	Total Toxic Units
312ORI	Orcutt Solomon Creek @ Highway 1	2017	April	97	48	0.50	11	0.00	0.17	0.17
			September	100	78	0.40	1,7,11	0.52	0.40	0.92
			September ²	90	69	0.40	1,7,11	0.52	0.40	0.92
		2018	April	67	76	0.56	1,11	0.25	0.53	0.78
			September	103	55	1.47	1,7,11	0.53	0.13	0.67
			September ²	92	78	1.47	1,7,11	0.53	0.13	0.67
312SMA	Santa Maria River @ Estuary	2017	April	12	67	0.55	4	0.18	0.00	0.18
			September	65	45	0.07		0.00	0.00	0.00
		2018	April	104	73	0.07	11	0.00	4.27	4.27
			September	104	106	0.23	11	0.00	0.57	0.57
312SMI	Santa Maria River @ Hwy 1	2017	April	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry
		2018	April	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry
313SAE	San Antonio Creek	2017	July	dry	dry	dry	dry	dry	dry	dry
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	April	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			September	dry	dry	dry	dry	dry	dry	dry
314SYF	Santa Ynez River @ Floradale	2017	April	114	104	2.04		0.00	0.00	0.00
		2018	September	99	135	0.61	1,11	0.85	0.15	1.00
314SYL	Santa Ynez River @ River Park	2017	July	dry	dry	dry	dry	dry	dry	dry
			September	72	95	0.22		0.00	0.00	0.00
		2018	April	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry

Site ID*	Site Description	Year	Month	H. azteca %Survival	H. azteca %Growth	TOC %Dry Wgt.	Pesticides Detected in Sediment ¹	Pyrethroid toxic units	Chlorpyrifos toxic units	Total Toxic Units
314SYN	Santa Ynez River @ 13th Street Bridge	2017	July	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	April	106	111	0.25	11	0.00	1.28	1.28
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
315APF	Arroyo Paredon	2017	April	114	141	0.34		0.00	0.00	0.00
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	April	123	117	0.26	11	0.00	0.59	0.59
			September	100	148	0.21		0.00	0.00	0.00
315BEF	Bell Creek	2017	July	85	118	0.26		0.00	0.00	0.00
			September	96	99	0.32		0.00	0.00	0.00
		2018	April	123	150	0.50	11	0.00	0.37	0.37
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
315FMV	Franklin Creek	2017	April	101	108	1.77	1,3,4,10,11	1.75	0.04	1.79
			September	81	117	2.34	2	0.04	0.00	0.04
		2018	April	112	102	0.10	11	0.00	2.74	2.74
			September	93	160	0.29		0.00	0.00	0.00
315GAN	Glenn Annie Creek	2017	July	90	102	0.56	7,11	0.14	0.19	0.34
			September	96	97	1.70	7,11	0.03	0.07	0.10
		2018	April	122	118	1.35	2,5,7,11	0.24	0.33	0.58
			September	93	115	2.86	2,7,11	0.15	0.06	0.21
315LCC	Los Carneros Creek	2017	July	80	133	0.01	7	2.18	0.00	2.18
			September	98	100	0.10	7,11	0.38	0.62	1.00
		2018	April	120	92	0.09	7,11	0.67	1.65	2.32
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>

Notes:

- * Site IDs not included were sites that were not scheduled to be sampled.
- Red Indicates result is significantly different from the control.
- 1 Numbers in this column correspond to toxicants named in Table 2-2.
- 2 Duplicate sample result.
- 3 Due to elevated salinity, the alternative species *Eohaustorius estuarius* was used.

Table 17a. Toxic Units for Organophosphate Pesticides and Neonicotinoids in Water using LC50s for Chironomus at NMU Sites, 2017 and 2018.

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dimethoate	Malathion	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam	Organophosphate toxic units	Neonicotinoid toxic units
305BRS	Beach Road Ditch	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
		2018	March	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.05	0.00	0.00	0.09
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
305CAN	Carnadero Creek	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
		2018	March	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
305CHI	Pajaro River	2017	September	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.01	0.15
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
305COR	Salsipuedes Creek	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	March	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
305FRA	Pajaro River Millers Canal	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
305FUF	Furlong Creek	2017	September	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
		2018	March	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.04
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
305LCS	Llagas Creek	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
305PJP	Pajaro River	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
		2018	March	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.04	0.00	0.00	0.07
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
305SJA	San Juan Creek	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03
		2018	March	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dimethoate	Malathion	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam	Organophosphate toxic units	Neonicotinoid toxic units
305TSR	Tequisquita Slough	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
305WCS	Watsonville Creek	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.02
		2018	March	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
			September	0.00	0.00	0.00	0.00	0.01	0.00	0.04	0.00	0.00	0.00	0.05
305WSA	Watsonville Slough	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			December	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01
		2018	March	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.03	0.01	0.00	0.06
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
309ALG	Reclamation Canal above Salinas	2017	September	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.03
			December	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.05	0.00	0.00	0.06
		2018	March	0.00	0.00	0.00	0.00	0.06	0.03	0.00	0.38	0.02	0.00	0.49
			September	0.00	0.00	0.29	0.00	0.29	0.02	0.00	0.18	0.03	0.29	0.52
309ASB	Alisal Slough	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.09
		2018	March	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.04	0.00	1.09
			September	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01
309BLA	Blanco Drain	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.03
		2018	March	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.05
			September	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.02
309CCD	Chualar Creek	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.04
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	March	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.05
			September	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.02
309CRR	Chualar Creek North	2017	September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
309ESP	Espinosa Slough	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.09	0.00	0.00	0.11
		2018	March	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.02	0.00	0.00	0.12
			September	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01
309GAB	Gabilan Creek	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	March	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.09
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dimethoate	Malathion	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam	Organophosphate toxic units	Neonicotinoid toxic units
309GRN	Salinas River (Mid)	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	March	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
309JON	Reclamation Canal below Salinas	2017	September	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.28	0.01	0.00	0.30
			December	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.09	0.00	0.01	0.11
		2018	March	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.09	0.01	0.00	0.12
			September	0.01	0.00	0.07	0.00	0.10	0.02	0.00	0.14	0.02	0.08	0.28
309MER	Merrit Ditch	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.15
		2018	March	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.01	0.00	0.05
			September	0.00	0.00	0.00	0.00	0.10	0.01	0.00	0.00	0.00	0.00	0.11
309MOR	Moro Cojo Slough	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
309NAD	Natividad Creek	2017	September	0.01	0.20	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.21	0.06
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	March	0.00	2.21	0.00	0.00	0.68	0.02	0.00	0.02	0.04	2.21	0.76
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
309OLD	Old Salinas River	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
309QUI	Quail Creek	2017	September	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.10	0.02
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	March	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.31	0.02	0.00	0.36
			September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
309RTA	Santa Rita Creek	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	March	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.05	0.00	0.00	0.13
			September	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.12	0.01	0.00	0.15
309SAC	Salinas River (Lower) @ Chualar Bridge	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
309SAG	Salinas River @ Gonzales River Road Bridge	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	September	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
309SSP	Salinas River (Lower) @ Spreckles Gage	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	March	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dimethoate	Malathion	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam	Organophosphate toxic units	Neonicotinoid toxic units
			September	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01
309TEH	Tembladero Slough	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
			December	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.10	0.00	0.00	0.12
		2018	March	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.04
			September	0.00	0.00	0.00	0.00	0.06	0.01	0.00	0.00	0.01	0.00	0.07

Note: * Site IDs not included were sites that were not scheduled to be sampled.

Table 17b. Toxic Units for Organophosphate Pesticides and Neonicotinoids in Water using LC50s for Ceriodaphnia at NMU Sites, 2017 and 2018.

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dimethoate	Malathion	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam	Organophosphate toxic units	Neonicotinoid toxic units
305BRS	Beach Road Ditch	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	no LC50 avail	0.03	0.00	0.00	0.00	0.00	0.00	0.03	0.00
			September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
305CAN	Carnadero Creek	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
305CHI	Pajaro River	2017	September	0.00	0.40	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
305COR	Salsipuedes Creek	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	March	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	no LC50 avail	0.03	0.00	0.00	0.00	0.00	0.00	0.03	0.00
305FRA	Pajaro River Millers Canal	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
305FUF	Furlong Creek	2017	September	0.00	0.58	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.00
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
305LCS	Llagas Creek	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
305PJP	Pajaro River	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	no LC50 avail	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
			September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
305SJA	San Juan Creek	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dimethoate	Malathion	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam	Organophosphate toxic units	Neonicotinoid toxic units
305TSR	Tequisquita Slough	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
305WCS	Watsonville Creek	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
305WSA	Watsonville Slough	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
309ALG	Reclamation Canal above Salinas	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	no LC50 avail	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
			September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
309ASB	Alisal Slough	2017	September	0.00	0.00	no LC50 avail	0.06	0.00	0.00	0.00	0.00	0.00	0.06	0.00
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	no LC50 avail	0.03	0.00	0.00	0.00	0.00	0.00	0.03	0.00
			September	0.00	0.00	no LC50 avail	0.19	0.00	0.00	0.00	0.00	0.00	0.19	0.00
309BLA	Blanco Drain	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
309CCD	Chualar Creek	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	March	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
309CRR	Chualar Creek North	2017	September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
309ESP	Espinosa Slough	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	no LC50 avail	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
			September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
309GAB	Gabilan Creek	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	March	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dimethoate	Malathion	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam	Organophosphate toxic units	Neonicotinoid toxic units
309GRN	Salinas River (Mid)	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	March	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
309JON	Reclamation Canal below Salinas	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.07	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00
		2018	March	0.00	0.00	no LC50 avail	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
			September	0.14	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00
309MER	Merrit Ditch	2017	September	0.00	0.00	no LC50 avail	0.06	0.00	0.00	0.00	0.00	0.00	0.06	0.00
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	no LC50 avail	0.53	0.00	0.00	0.00	0.00	0.00	0.53	0.00
			September	0.00	0.00	no LC50 avail	0.19	0.00	0.00	0.00	0.00	0.00	0.19	0.00
309MOR	Moro Cojo Slough	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
309NAD	Natividad Creek	2017	September	0.08	13.23	no LC50 avail	0.15	0.00	0.00	0.00	0.00	0.00	13.46	0.00
			December	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	March	0.00	143.90	no LC50 avail	0.02	0.00	0.00	0.00	0.00	0.00	143.92	0.00
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
309OLD	Old Salinas River	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
309QUI	Quail Creek	2017	September	1.32	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	1.32	0.00
			December	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	March	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
309RTA	Santa Rita Creek	2017	September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	March	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	no LC50 avail	0.16	0.00	0.00	0.00	0.00	0.00	0.16	0.00
309SAC	Salinas River (Lower) @ Chualar Bridge	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
309SAG	Salinas River @ Gonzales River Road Bridge	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	September	0.00	0.00	no LC50 avail	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.00

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dimethoate	Malathion	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam	Organophosphate toxic units	Neonicotinoid toxic units
309SSP	Salinas River (Lower) @ Spreckles Gage	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	March	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
309TEH	Tembladero Slough	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	no LC50 avail	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.00
			September	0.00	0.00	no LC50 avail	0.03	0.00	0.00	0.00	0.00	0.00	0.03	0.00

Note:

* Site IDs not included were sites that were not scheduled to be sampled.

Table 18a. Toxic Units for Organophosphate Pesticides and Neonicotinoids in Water using LC50s for Chironomus at SMU Sites, 2017 and 2018.

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dichlorvos	Malathion	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam	Organophosphate toxic units	Neonicotinoid toxic units
310CCC	Chorro Creek	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.20
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
310LBC	Los Berros Creek	2017	September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	January	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
310PRE	Prefumo Creek	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
310USG	Arroyo Grande Creek	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.00	0.00	no LC50 avail	0.00	0.18	0.00	0.01	0.82	0.01	0.00	1.01
			September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
310WRP	Warden Creek	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			December	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	January	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
312BCC	Bradley Canyon Creek	2017	September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			December	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	January	0.00	0.00	no LC50 avail	0.00	0.08	0.00	0.00	1.25	0.01	0.00	1.33
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
312BCJ	Bradley Channel	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.02
		2018	January	0.00	0.00	no LC50 avail	0.00	0.19	0.00	0.00	0.34	0.01	0.00	0.53
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
312GVS	Green Valley	2017	September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	January	0.14	0.00	no LC50 avail	0.00	0.11	0.00	0.00	0.45	0.01	0.14	0.57
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
312MSD	Main Street Canal	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.13
		2018	January	1.05	0.00	no LC50 avail	0.00	0.06	0.00	0.00	0.15	0.01	1.05	0.21
			September	0.00	0.00	no LC50 avail	0.00	0.04	0.00	0.00	0.00	0.02	0.00	0.06

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dichlorvos	Malathion	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam	Organophosphate toxic units	Neonicotinoid toxic units
312OFC	Oso Flaco Creek	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.00	0.00	no LC50 avail	0.00	0.11	0.00	0.00	0.24	0.01	0.00	0.37
			September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
312OFN	Little Oso Flaco Creek	2017	September	0.00	0.00	no LC50 avail	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.04
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.06
		2018	January	0.00	0.00	no LC50 avail	0.00	0.34	0.00	0.00	0.15	0.01	0.00	0.51
			September	0.00	0.00	no LC50 avail	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.02
312ORC	Orcutt Solomon Creek @ Sand Plant	2017	September	0.05	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.70	0.01	0.05	0.71
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.37	0.01	0.00	0.38
		2018	January	0.00	0.00	no LC50 avail	0.00	0.09	0.00	0.00	0.40	0.01	0.00	0.50
			September	0.01	0.00	no LC50 avail	0.00	0.04	0.01	0.00	0.57	0.00	0.01	0.62
312ORI	Orcutt Solomon Creek @ Highway 1	2017	September	0.00	0.00	no LC50 avail	0.00	0.01	0.00	0.00	1.12	0.00	0.00	1.13
			December	0.00	0.00	no LC50 avail	0.00	0.07	0.00	0.00	0.21	0.00	0.00	0.28
		2018	January	0.06	0.00	no LC50 avail	0.00	0.09	0.00	0.00	1.37	0.01	0.06	1.47
			September	0.00	0.00	no LC50 avail	0.00	0.08	0.00	0.00	0.10	0.00	0.00	0.18
312SMA	Santa Maria River @ Estuary	2017	September	0.02	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.35	0.01	0.02	0.35
			December	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.33	0.01	0.00	0.34
		2018	January	0.00	0.00	no LC50 avail	0.00	0.09	0.00	0.00	0.34	0.01	0.00	0.44
			September	0.00	0.00	no LC50 avail	0.00	0.05	0.02	0.00	0.94	0.00	0.00	1.00
312SMI	Santa Maria River @ Hwy 1	2017	September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	January	0.02	0.00	no LC50 avail	0.00	0.06	0.00	0.00	0.00	0.00	0.02	0.06
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
313SAE	San Antonio Creek	2017	September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			December	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	January	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
314SYF	Santa Ynez River @ Floradale	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
314SYL	Santa Ynez River @ River Park	2017	September	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	January	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
314SYN	Santa Ynez River @ 13th Street Bridge	2017	September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			December	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	January	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00	0.14	0.01	0.00	0.14
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dichlorvos	Malathion	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam	Organophosphate toxic units	Neonicotinoid toxic units
315APF	Arroyo Paredon	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	0.00	0.00	<i>no LC50 avail</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	<i>no LC50 avail</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315BEF	Bell Creek	2017	September	0.00	0.00	<i>no LC50 avail</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	<i>no LC50 avail</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.00	0.00	<i>no LC50 avail</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
315FMV	Franklin Creek	2017	September	0.00	0.00	<i>no LC50 avail</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	<i>no LC50 avail</i>	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.07
		2018	January	0.00	0.00	<i>no LC50 avail</i>	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
			September	0.00	0.00	<i>no LC50 avail</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315GAN	Glenn Annie Creek	2017	September	0.00	0.00	<i>no LC50 avail</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	<i>no LC50 avail</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.00	0.00	<i>no LC50 avail</i>	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.07
			September	0.00	0.00	<i>no LC50 avail</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315LCC	Los Carneros Creek	2017	September	0.00	0.00	<i>no LC50 avail</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	<i>no LC50 avail</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.00	0.00	<i>no LC50 avail</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>

Note:
* Site IDs not included were sites that were not scheduled to be sampled.

Table 18b. Toxic Units for Organophosphate Pesticides and Neonicotinoids in Water using LC50s for Ceriodaphnia at SMU Sites, 2017 and 2018.

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dichlorvos	Malathion	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam	Organophosphate toxic units	Neonicotinoid toxic units
310CCC	Chorro Creek	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
310LBC	Los Berros Creek	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
310PRE	Prefumo Creek	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
310USG	Arroyo Grande Creek	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.25	0.00
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
310WRP	Warden Creek	2017	September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
312BCC	Bradley Canyon Creek	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	January	0.00	0.00	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.35	0.00
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
312BCJ	Bradley Channel	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.06	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.10	0.00
		2018	January	0.05	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.31	0.00
			September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
312GVS	Green Valley	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	1.80	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	1.84	0.00
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
312MSD	Main Street Canal	2017	September	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.10	0.00
			December	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.16	0.00
		2018	January	13.26	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	13.29	0.00
			September	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.12	0.00

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dichlorvos	Malathion	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam	Organophosphate toxic units	Neonicotinoid toxic units
312OFC	Oso Flaco Creek	2017	September	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.20	0.00
			December	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.00
		2018	January	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.00
			September	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.00
312OFN	Little Oso Flaco Creek	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.00	0.00	0.07	0.03	0.00	0.00	0.00	0.00	0.00	0.10	0.00
			September	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.18	0.00
312ORC	Orcutt Solomon Creek @ Sand Plant	2017	September	0.68	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.74	0.00
			December	0.00	0.00	0.00	0.64	0.00	0.00	0.00	0.00	0.00	0.64	0.00
		2018	January	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
			September	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00
312ORI	Orcutt Solomon Creek @ Highway 1	2017	September	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.10	0.00
			December	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.08	0.00
		2018	January	0.78	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.95	0.00
			September	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.16	0.00
312SMA	Santa Maria River @ Estuary	2017	September	0.26	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.30	0.00
			December	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.75	0.00
		2018	January	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.00
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
312SMI	Santa Maria River @ Hwy 1	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
313SAE	San Antonio Creek	2017	September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	January	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
314SYF	Santa Ynez River @ Floradale	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
314SYL	Santa Ynez River @ River Park	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
314SYN	Santa Ynez River @ 13th Street Bridge	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>

Site ID*	Site Description	Year	Month	Chlorpyrifos	Diazinon	Dichlorvos	Malathion	Acetamiprid	Clothianidin	Dinotefuran	Imidacloprid	Thiamethoxam	Organophosphate toxic units	Neonicotinoid toxic units
315APF	Arroyo Paredon	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315BEF	Bell Creek	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
315FMV	Franklin Creek	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315GAN	Glenn Annie Creek	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315LCC	Los Carneros Creek	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>

Note:
* Site IDs not included were sites that were not scheduled to be sampled.

Table 19. Toxic Units for Herbicides in Water at NMU Sites, 2017 and 2018.

Site ID*	Site Description	Year	Month	Glyphosate	Diuron	Linuron	Simazine	Herbicides toxic units
305BRS	Beach Road Ditch	2017	September	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00
305CAN	Carnadero Creek	2017	September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			December	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	0.00	0.00	0.00
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
305CHI	Pajaro River	2017	September	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00
305COR	Salsipuedes Creek	2017	September	0.00	0.00	0.00	0.00	0.00
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	March	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00
305FRA	Pajaro River Millers Canal	2017	September	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00
305FUF	Furlong Creek	2017	September	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00

Site ID*	Site Description	Year	Month	Glyphosate	Diuron	Linuron	Simazine	Herbicides toxic units
305LCS	Llagas Creek	2017	September	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00
		2018	March	0.01	0.02	0.00	0.00	0.03
			September	0.00	0.00	0.00	0.00	0.00
305PJP	Pajaro River	2017	September	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00
305SJA	San Juan Creek	2017	September	0.00	0.01	0.00	0.00	0.01
			December	0.00	0.00	0.00	0.00	0.00
		2018	March	0.05	0.03	0.00	0.00	0.08
			September	0.00	0.00	0.00	0.00	0.00
305TSR	Tequisquita Slough	2017	September	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00
305WCS	Watsonville Creek	2017	September	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.02	0.00	0.00	0.02
			September	0.00	0.00	0.00	0.00	0.00
305WSA	Watsonville Slough	2017	September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			December	0.00	0.01	0.00	0.00	0.01
		2018	March	0.00	0.00	0.00	0.00	0.00
			September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
309ALG	Reclamation Canal above Salinas	2017	September	0.01	0.00	0.00	0.00	0.01
			December	0.01	0.00	0.00	0.00	0.01
		2018	March	0.03	0.35	0.00	0.00	0.38
			September	0.01	0.00	0.00	0.00	0.01

Site ID*	Site Description	Year	Month	Glyphosate	Diuron	Linuron	Simazine	Herbicides toxic units
309ASB	Alisal Slough	2017	September	0.02	0.00	0.00	0.00	0.03
			December	0.00	0.00	0.00	0.00	0.00
		2018	March	0.01	0.00	0.00	0.00	0.01
			September	0.00	0.00	0.00	0.00	0.00
309BLA	Blanco Drain	2017	September	0.00	0.00	0.00	0.00	0.00
			December	0.01	0.00	0.00	0.00	0.01
		2018	March	0.01	0.00	0.00	0.00	0.01
			September	0.01	0.00	0.00	0.00	0.01
309CCD	Chualar Creek	2017	September	0.02	0.01	0.00	0.00	0.02
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	March	0.04	0.25	0.00	0.00	0.29
			September	0.00	0.00	0.00	0.00	0.00
309CRR	Chualar Creek North	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
309ESP	Espinosa Slough	2017	September	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00
		2018	March	0.01	0.01	0.00	0.00	0.02
			September	0.00	0.05	0.00	0.00	0.05
309GAB	Gabilan Creek	2017	September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	March	0.01	0.00	0.00	0.00	0.01
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
309GRN	Salinas River (Mid)	2017	September	0.00	0.00	0.00	0.00	0.00
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	March	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			September	0.00	0.00	0.00	0.00	0.00

Site ID*	Site Description	Year	Month	Glyphosate	Diuron	Linuron	Simazine	Herbicides toxic units
309JON	Reclamation Canal below Salinas	2017	September	0.01	0.00	0.00	0.00	0.01
			December	0.01	0.00	0.00	0.00	0.02
		2018	March	0.01	0.05	0.00	0.00	0.06
			September	0.01	0.01	0.00	0.00	0.02
309MER	Merrit Ditch	2017	September	0.00	0.01	0.00	0.00	0.01
			December	0.00	0.04	0.00	0.00	0.04
		2018	March	0.01	0.16	0.00	0.00	0.17
			September	0.00	0.00	0.00	0.00	0.00
309MOR	Moro Cojo Slough	2017	September	0.00	0.01	0.00	0.00	0.01
			December	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00
309NAD	Natividad Creek	2017	September	0.00	0.00	0.00	0.00	0.00
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	March	0.02	0.00	0.00	0.00	0.02
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
309OLD	Old Salinas River	2017	September	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00
		2018	March	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00
309QUI	Quail Creek	2017	September	0.03	0.00	0.00	0.00	0.03
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	March	0.03	0.00	0.00	0.00	0.03
			September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
309RTA	Santa Rita Creek	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	March	0.01	0.00	0.00	0.00	0.01
			September	0.05	0.00	0.00	0.00	0.05

Site ID*	Site Description	Year	Month	Glyphosate	Diuron	Linuron	Simazine	Herbicides toxic units
309SAC	Salinas River (Lower) @ Chualar Bridge	2017	September	0.00	0.00	0.00	0.00	0.00
		2018	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
309SAG	Salinas River @ Gonzales River Road Bridge	2017	September	0.00	0.00	0.00	0.00	0.00
		2018	September	0.00	0.00	0.00	0.00	0.00
309SSP	Salinas River (Lower) @ Spreckles Gage	2017	September	0.00	0.00	0.00	0.00	0.00
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	March	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			September	0.00	0.00	0.00	0.00	0.00
309TEH	Tembladero Slough	2017	September	0.01	0.00	0.00	0.00	0.01
			December	0.00	0.01	0.00	0.00	0.01
		2018	March	0.01	0.03	0.00	0.00	0.04
			September	0.00	0.00	0.00	0.00	0.01

Note:

* Site IDs not included were sites that were not scheduled to be sampled.

Table 20. Toxic Units for Herbicides in Water at SMU Sites, 2017 and 2018.

Site ID*	Site Description	Year	Month	Glyphosate	Paraquat	Atrazine	Diuron	Linuron	Simazine	Trifluralin	Herbicides toxic units
310CCC	Chorro Creek	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
310LBC	Los Berros Creek	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
310PRE	Prefumo Creek	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
310USG	Arroyo Grande Creek	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
310WRP	Warden Creek	2017	September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
312BCC	Bradley Canyon Creek	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	January	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>

Site ID*	Site Description	Year	Month	Glyphosate	Paraquat	Atrazine	Diuron	Linuron	Simazine	Trifluralin	Herbicides toxic units
312BCJ	Bradley Channel	2017	September	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.03
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.03
			September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
312GVS	Green Valley	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
312MSD	Main Street Canal	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
		2018	January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
			September	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.03
312OFC	Oso Flaco Creek	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
312OFN	Little Oso Flaco Creek	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.04
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
312ORC	Orcutt Solomon Creek @ Sand Plant	2017	September	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
			December	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
		2018	January	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
312ORI	Orcutt Solomon Creek @ Highway 1	2017	September	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.03
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.03
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01

Site ID*	Site Description	Year	Month	Glyphosate	Paraquat	Atrazine	Diuron	Linuron	Simazine	Trifluralin	Herbicides toxic units
312SMA	Santa Maria River @ Estuary	2017	September	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
			December	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01
		2018	January	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
312SMI	Santa Maria River @ Hwy 1	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
313SAE	San Antonio Creek	2017	September	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	January	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
314SYF	Santa Ynez River @ Floradale	2017	September	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01
		2018	September	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.02
314SYL	Santa Ynez River @ River Park	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
314SYN	Santa Ynez River @ 13th Street Bridge	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>	<i>disconnected</i>
		2018	January	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
315APF	Arroyo Paredon	2017	September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
			December	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
		2018	January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Site ID*	Site Description	Year	Month	Glyphosate	Paraquat	Atrazine	Diuron	Linuron	Simazine	Trifluralin	Herbicides toxic units
315BEF	Bell Creek	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>
315FMV	Franklin Creek	2017	September	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315GAN	Glenn Annie Creek	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
315LCC	Los Carneros Creek	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		2018	January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			September	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>	<i>dry</i>

Note:

* Site IDs not included were sites that were not scheduled to be sampled.

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Table 21. Toxic Units for Organophosphate and Pyrethroid Pesticides in Sediment at NMU Sites, 2017 and 2018.

Site ID*	Site Description	Year	Month	Bifenthrin	Cyfluthrin, Total	Cyhalothrin, gamma-	Cyhalothrin, lambda-	Cypermethrin, Total	Esfenvalerate	Fenpropathrin	Fenvalerate	Permethrin (cis + trans)	T-Fluvalinate	Chlorpyrifos	Pyrethroid toxic units	Chlorpyrifos toxic units	Total Toxic Units
305BRS	Beach Road Ditch	2017	July	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.02	0.00	0.02
			September	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.04	0.07	0.04	0.11
		2018	April	0.46	0.00	0.00	0.00	0.00	0.00	0.07	0.02	0.00	no LC50 avail	0.35	0.55	0.35	0.91
			September	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.20	0.00	0.20
305CAN	Carnadero Creek	2017	July	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.61	0.00	0.61	0.61
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
305CHI	Pajaro River	2017	July	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
		2018	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.61	0.00	0.61	0.61
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.55	0.00	0.55	0.55
305COR	Salsipuedes Creek	2017	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
		2018	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.27	0.00	0.27	0.27
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.07	0.00	0.07	0.07
305FRA	Pajaro River Millers Canal	2017	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
		2018	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.36	0.00	0.36	0.36
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
305FUF	Furlong Creek	2017	July	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.08	0.00	0.08
			September	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.04	0.00	0.04
		2018	April	0.56	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	no LC50 avail	0.07	0.57	0.07	0.64
			September	1.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	1.43	0.00	1.43
305LCS	Llagas Creek	2017	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.03	0.00	0.03	0.03
			September	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.10	0.00	0.10
		2018	April	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.20	0.08	0.20	0.28
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
305PJP	Pajaro River	2017	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
			September	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.22	0.00	0.22
		2018	April	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.32	0.00	0.32
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
305SJA	San Juan Creek	2017	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
		2018	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.52	0.00	0.52	0.52
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.13	0.00	0.13	0.13

Site ID*	Site Description	Year	Month	Bifenthrin	Cyfluthrin, Total	Cyhalothrin, gamma-	Cyhalothrin, lambda-	Cypermethrin, Total	Esfenvalerate	Fenpropathrin	Fenvalerate	Permethrin (cis + trans)	T-Fluvalinate	Chlorpyrifos	Pyrethroid toxic units	Chlorpyrifos toxic units	Total Toxic Units
305TSR	Tequisquita Slough	2017	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.02	0.00	0.02	0.02
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
		2018	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.29	0.00	0.29	0.29
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.07	0.00	0.07	0.07
305WCS	Watsonville Creek	2017	July	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.24	0.00	0.24	0.24
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
		2018	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.50	0.00	0.50	0.50
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.08	0.00	0.08	0.08
305WSA	Watsonville Slough	2017	April	0.57	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	no LC50 avail	0.00	0.59	0.00	0.59
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	April	1.46	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	no LC50 avail	0.43	1.48	0.43	1.91
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
309ALG	Reclamation Canal above Salinas	2017	April	0.24	0.00	0.19	0.18	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.61	0.00	0.61
			September	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.09	0.00	0.09
		2018	April	2.94	0.16	1.31	1.15	0.54	0.00	0.06	0.01	0.22	no LC50 avail	0.41	6.40	0.41	6.82
			September	4.08	0.03	0.54	0.60	0.00	0.00	0.04	0.00	0.00	no LC50 avail	0.09	5.29	0.09	5.39
309ASB	Alisal Slough	2017	April	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			September	0.22	0.00	0.11	0.08	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.41	0.00	0.41
		2018	April	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.18	0.18	0.18	0.35
			September	2.07	0.00	0.55	0.56	0.13	0.00	0.04	0.00	0.00	no LC50 avail	0.10	3.35	0.10	3.46
309BLA	Blanco Drain	2017	April	0.46	0.00	0.41	0.24	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	1.11	0.00	1.11
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
		2018	April	0.43	0.00	0.22	0.25	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.21	0.89	0.21	1.10
			September	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.12	0.71	0.12	0.84
309CCD	Chualar Creek	2017	April	0.47	0.00	0.34	0.35	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	1.16	0.00	1.16
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
		2018	April	0.24	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.64	0.37	0.64	1.01
			September	0.21	0.00	0.30	0.33	0.00	0.00	0.02	0.00	0.00	no LC50 avail	0.08	0.86	0.08	0.94
309ESP	Espinosa Slough	2017	April	0.67	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	no LC50 avail	0.00	0.69	0.00	0.69
			September	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.07	0.23	0.07	0.30
		2018	April	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.34	0.31	0.34	0.65
			September	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.07	0.53	0.07	0.60
309GAB	Gabilan Creek	2017	April	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.05	0.08	0.05	0.12
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	April	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
309GRN	Salinas River (Mid)	2017	July	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.38	0.00	0.38	0.38
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
		2018	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.69	0.00	0.69	0.69
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	1.64	0.00	1.64	1.64

Site ID*	Site Description	Year	Month	Bifenthrin	Cyfluthrin, Total	Cyhalothrin, gamma-	Cyhalothrin, lambda-	Cypermethrin, Total	Esfenvalerate	Fenpropathrin	Fenvalerate	Permethrin (cis + trans)	T-Fluvalinate	Chlorpyrifos	Pyrethroid toxic units	Chlorpyrifos toxic units	Total Toxic Units
309JON	Reclamation Canal below Salinas	2017	April	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment
			September	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment
		2018	April	3.86	0.16	1.11	1.19	0.78	0.00	0.06	0.00	0.12	no LC50 avail	0.41	7.28	0.41	7.68
			September	5.65	0.06	0.78	0.86	0.26	0.00	0.08	0.00	0.14	no LC50 avail	0.78	7.82	0.78	8.60
309MER	Merrit Ditch	2017	April	0.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.68	0.00	0.68
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.04	0.00	0.04	0.04
		2018	April	1.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.24	1.22	0.24	1.46
			September	2.50	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	no LC50 avail	0.12	2.51	0.12	2.63
309MOR	Moro Cojo Slough	2017	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
		2018	April	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.21	0.07	0.21	0.28
			September	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.07	0.14	0.07	0.22
309NAD	Natividad Creek	2017	April	0.40	0.00	0.00	0.13	0.00	0.00	0.38	0.00	0.00	no LC50 avail	0.32	0.91	0.32	1.23
			September	0.42	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	no LC50 avail	0.00	0.52	0.00	0.52
		2018	April	2.09	0.00	0.54	0.36	4.59	0.00	0.25	0.00	0.00	no LC50 avail	0.79	7.84	0.79	8.62
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
309OLD	Old Salinas River	2017	April	32.69	0.04	1.62	1.34	0.40	0.36	0.44	0.43	0.77	no LC50 avail	0.00	38.09	0.00	38.09
			September	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.60	0.00	0.60
		2018	April	3.69	0.00	0.00	0.00	0.07	0.06	0.00	0.05	0.96	no LC50 avail	0.15	4.83	0.15	4.98
			September	6.61	0.00	0.17	0.17	0.00	0.02	0.02	0.02	0.00	no LC50 avail	0.13	7.00	0.13	7.14
309QUI	Quail Creek	2017	April	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
		2018	April	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
309RTA	Santa Rita Creek	2017	July	0.00	0.00	0.00	8.89	0.00	0.00	0.00	0.00	3.57	no LC50 avail	0.00	12.46	0.00	12.46
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	April	5.84	0.00	5.93	5.80	0.67	0.00	0.44	0.00	2.90	no LC50 avail	0.28	21.57	0.28	21.85
			September	4.79	0.00	2.71	2.39	0.00	0.00	0.26	0.00	0.46	no LC50 avail	0.07	10.61	0.07	10.68
309SAC	Salinas River (Lower) @ Chualar Bridge	2017	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
		2018	September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
309SAG	Salinas River @ Gonzales River Road Bridge	2017	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
		2018	September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	1.37	0.00	1.37	1.37
309SSP	Salinas River (Lower) @ Spreckles Gage	2017	July	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.08	0.00	0.08	0.08
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
		2018	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	2.80	0.00	2.80	2.80
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	3.62	0.00	3.62	3.62

Site ID*	Site Description	Year	Month	Bifenthrin	Cyfluthrin, Total	Cyhalothrin, gamma-	Cyhalothrin, lambda-	Cypermethrin, Total	Esfenvalerate	Fenpropathrin	Fenvalerate	Permethrin (cis + trans)	T-Fluvalinate	Chlorpyrifos	Pyrethroid toxic units	Chlorpyrifos toxic units	Total Toxic Units
309TEH	Tembladero Slough	2017	April	1.73	0.00	0.67	0.67	0.07	0.00	0.10	0.00	0.00	no LC50 avail	0.03	3.24	0.03	3.27
			September	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.09	0.00	0.09
		2018	April	2.30	0.03	0.45	0.53	0.11	0.00	0.03	0.00	0.00	no LC50 avail	0.17	3.47	0.17	3.64
			September	0.41	0.00	0.09	0.10	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.07	0.60	0.07	0.67

Note: * Site IDs not included were sites that were not scheduled to be sampled.

Table 22. Toxic Units for Organophosphate and Pyrethroid Pesticides in Sediment at SMU Sites, 2017 and 2018.

Site ID*	Site Description	Year	Month	Bifenthrin	Cyfluthrin, Total	Cyhalothrin, gamma-	Cyhalothrin, lambda-	Cypermethrin, Total	Esfenvalerate	Fenpropathrin	Fenvalerate	Permethrin (cis + trans)	T-Fluvalinate	Chlorpyrifos	Pyrethroid toxic units	Chlorpyrifos toxic units	Total Toxic Units
310CCC	Chorro Creek	2017	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
		2018	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	1.17	0.00	1.17	1.17
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
310LBC	Los Berros Creek	2017	April	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.06	0.20	0.06	0.26
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.22	0.00	0.22	0.22
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
310PRE	Prefumo Creek	2017	April	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.04	0.00	0.04
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
		2018	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.35	0.00	0.35	0.35
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.06	0.00	0.06	0.06
310USG	Arroyo Grande Creek	2017	April	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.41	0.00	0.41
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
		2018	April	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	1.27	0.37	1.27	1.64
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.13	0.00	0.13	0.13
310WRP	Warden Creek	2017	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	April	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment	no sediment
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
312BCC	Bradley Canyon Creek	2017	April	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.11	0.00	0.11
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	April	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
312BCJ	Bradley Channel	2017	April	0.70	0.06	0.83	0.52	0.00	0.00	0.11	0.00	0.00	no LC50 avail	0.17	2.22	0.17	2.38
			September	0.73	0.00	0.00	0.00	0.09	0.00	0.06	0.00	0.04	no LC50 avail	0.00	0.92	0.00	0.92
		2018	April	2.20	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.00	no LC50 avail	1.59	2.75	1.59	4.34
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
312GVS	Green Valley	2017	April	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	April	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
312MSD	Main Street Canal	2017	April	0.38	0.05	0.74	0.71	0.14	0.00	0.05	0.00	0.05	no LC50 avail	0.08	2.13	0.08	2.21
			September	0.44	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.07	no LC50 avail	0.28	0.60	0.28	0.88
		2018	April	2.00	0.00	2.40	1.34	0.00	0.00	0.20	0.00	0.00	no LC50 avail	4.45	5.95	4.45	10.40
			September	3.69	0.88	3.12	2.82	0.00	0.00	0.22	0.00	3.36	no LC50 avail	0.10	14.08	0.10	14.18

Site ID*	Site Description	Year	Month	Bifenthrin	Cyfluthrin, Total	Cyhalothrin, gamma-	Cyhalothrin, lambda-	Cypermethrin, Total	Esfenvalerate	Fenpropathrin	Fenvalerate	Permethrin (cis + trans)	T-Fluvalinate	Chlorpyrifos	Pyrethroid toxic units	Chlorpyrifos toxic units	Total Toxic Units
312OFC	Oso Flaco Creek	2017	April	1.39	0.00	1.18	0.78	0.00	0.00	0.65	0.00	0.00	no LC50 avail	0.00	3.99	0.00	3.99
			September	3.35	0.00	2.56	3.17	0.00	0.00	1.43	0.00	0.00	no LC50 avail	0.31	10.50	0.31	10.81
		2018	April	1.47	0.00	0.48	0.43	0.00	0.00	0.56	0.00	0.00	no LC50 avail	1.04	2.94	1.04	3.98
			September	1.58	0.00	0.00	0.00	0.00	0.00	0.57	0.00	0.00	no LC50 avail	0.29	2.16	0.29	2.45
312OFN	Little Oso Flaco Creek	2017	April	1.03	0.00	0.19	0.15	0.00	0.00	0.04	0.00	0.00	no LC50 avail	0.00	1.42	0.00	1.42
			September	0.23	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	no LC50 avail	0.00	0.25	0.00	0.25
		2018	April	0.25	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	no LC50 avail	0.34	0.27	0.34	0.61
			September	1.10	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	no LC50 avail	0.15	1.23	0.15	1.37
312ORC	Orcutt Solomon Creek @ Sand Plant	2017	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
			September	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.05	0.00	0.05
		2018	April	0.31	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	no LC50 avail	1.55	0.40	1.55	1.96
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.37	0.00	0.37	0.37
312ORI	Orcutt Solomon Creek @ Highway 1	2017	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.17	0.00	0.17	0.17
			September	0.48	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	no LC50 avail	0.40	0.52	0.40	0.92
		2018	April	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.53	0.25	0.53	0.78
			September	0.45	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	no LC50 avail	0.13	0.53	0.13	0.67
312SMA	Santa Maria River @ Estuary	2017	April	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.18	0.00	0.18
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
		2018	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	4.27	0.00	4.27	4.27
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.57	0.00	0.57	0.57
312SMI	Santa Maria River @ Hwy 1	2017	April	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	April	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
313SAE	San Antonio Creek	2017	July	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
		2018	April	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected	disconnected
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
314SYF	Santa Ynez River @ Floradale	2017	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
		2018	September	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.15	0.85	0.15	1.00
314SYL	Santa Ynez River @ River Park	2017	July	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
		2018	April	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
314SYN	Santa Ynez River @ 13th Street Bridge	2017	July	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	1.28	0.00	1.28	1.28
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry

Site ID*	Site Description	Year	Month	Bifenthrin	Cyfluthrin, Total	Cyhalothrin, gamma-	Cyhalothrin, lambda-	Cypermethrin, Total	Esfenvalerate	Fenpropathrin	Fenvalerate	Permethrin (cis + trans)	T-Fluvalinate	Chlorpyrifos	Pyrethroid toxic units	Chlorpyrifos toxic units	Total Toxic Units
315APF	Arroyo Paredon	2017	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
		2018	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.59	0.00	0.59	0.59
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
315BEF	Bell Creek	2017	July	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
		2018	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.37	0.00	0.37	0.37
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
315FMV	Franklin Creek	2017	April	0.15	0.00	0.80	0.79	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.04	1.75	0.04	1.79
			September	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.04	0.00	0.04
		2018	April	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	2.74	0.00	2.74	2.74
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	no LC50 avail	0.00	0.00	0.00	0.00
315GAN	Glenn Annie Creek	2017	July	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	no LC50 avail	0.19	0.14	0.19	0.34
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	no LC50 avail	0.07	0.03	0.07	0.10
		2018	April	0.00	0.11	0.00	0.00	0.06	0.00	0.08	0.00	0.00	no LC50 avail	0.33	0.24	0.33	0.58
			September	0.00	0.07	0.00	0.00	0.00	0.00	0.08	0.00	0.00	no LC50 avail	0.06	0.15	0.06	0.21
315LCC	Los Carneros Creek	2017	July	0.00	0.00	0.00	0.00	0.00	0.00	2.18	0.00	0.00	no LC50 avail	0.00	2.18	0.00	2.18
			September	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	no LC50 avail	0.62	0.38	0.62	1.00
		2018	April	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.00	0.00	no LC50 avail	1.65	0.67	1.65	2.32
			September	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry

Note: * Site IDs not included were sites that were not scheduled to be sampled.

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Figure 1. Survival and Total Toxicity Units of Pesticide Classes Analyzed in Sediment

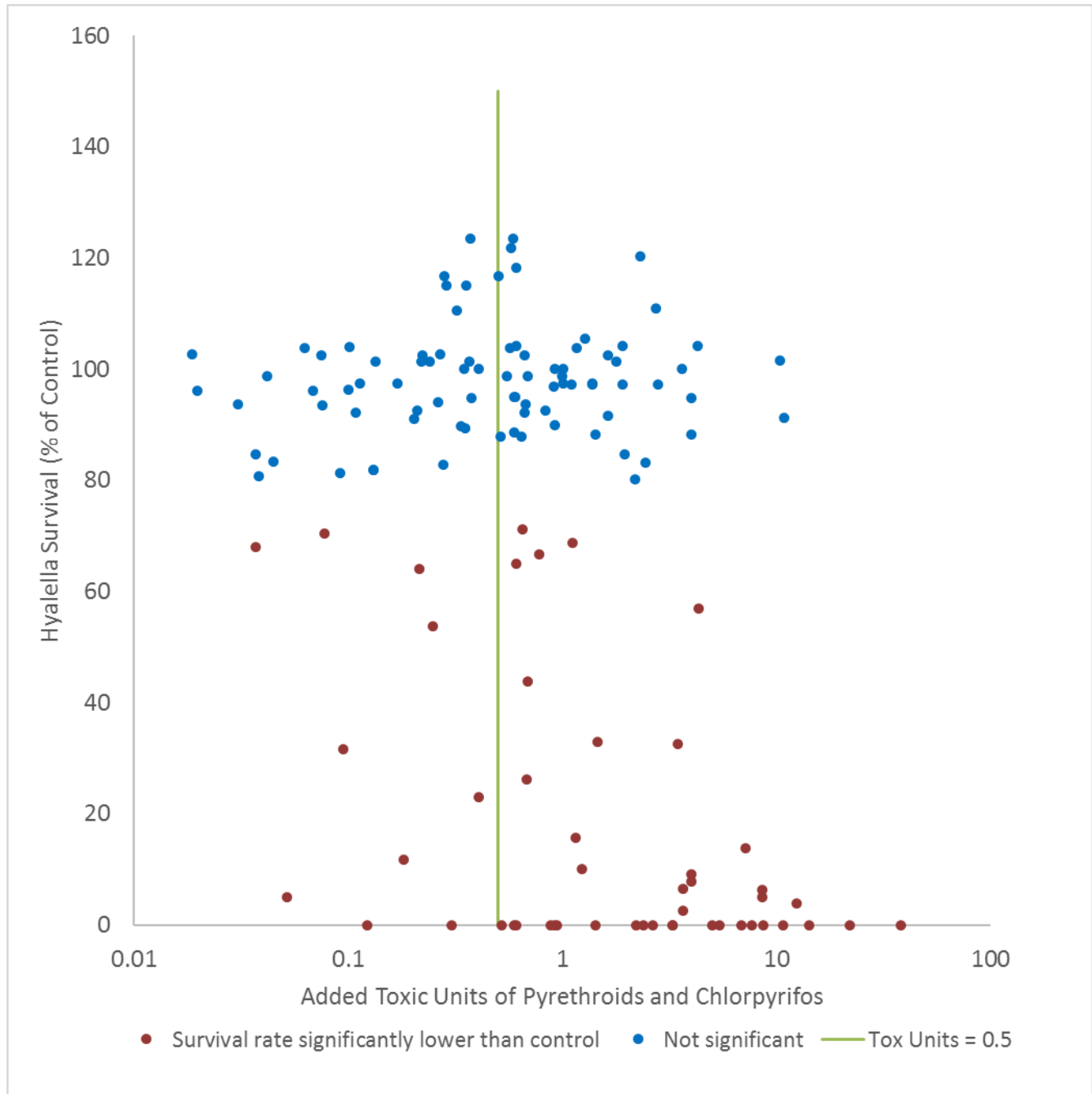


Figure 1. Survival of *H. azteca* (compared with control) exposed to sediment collected from Central Coast waterbodies in comparison with the added toxic units (TUs) of pyrethroids and chlorpyrifos. The vertical line at 0.5 TUs represents a toxic threshold, which in some studies has been strongly associated with significant mortality. Note: One outlier has been excluded from this figure to improve visual representation of data.

Figure 2. Toxic Units in Sediment by Site for the Pajaro Watershed

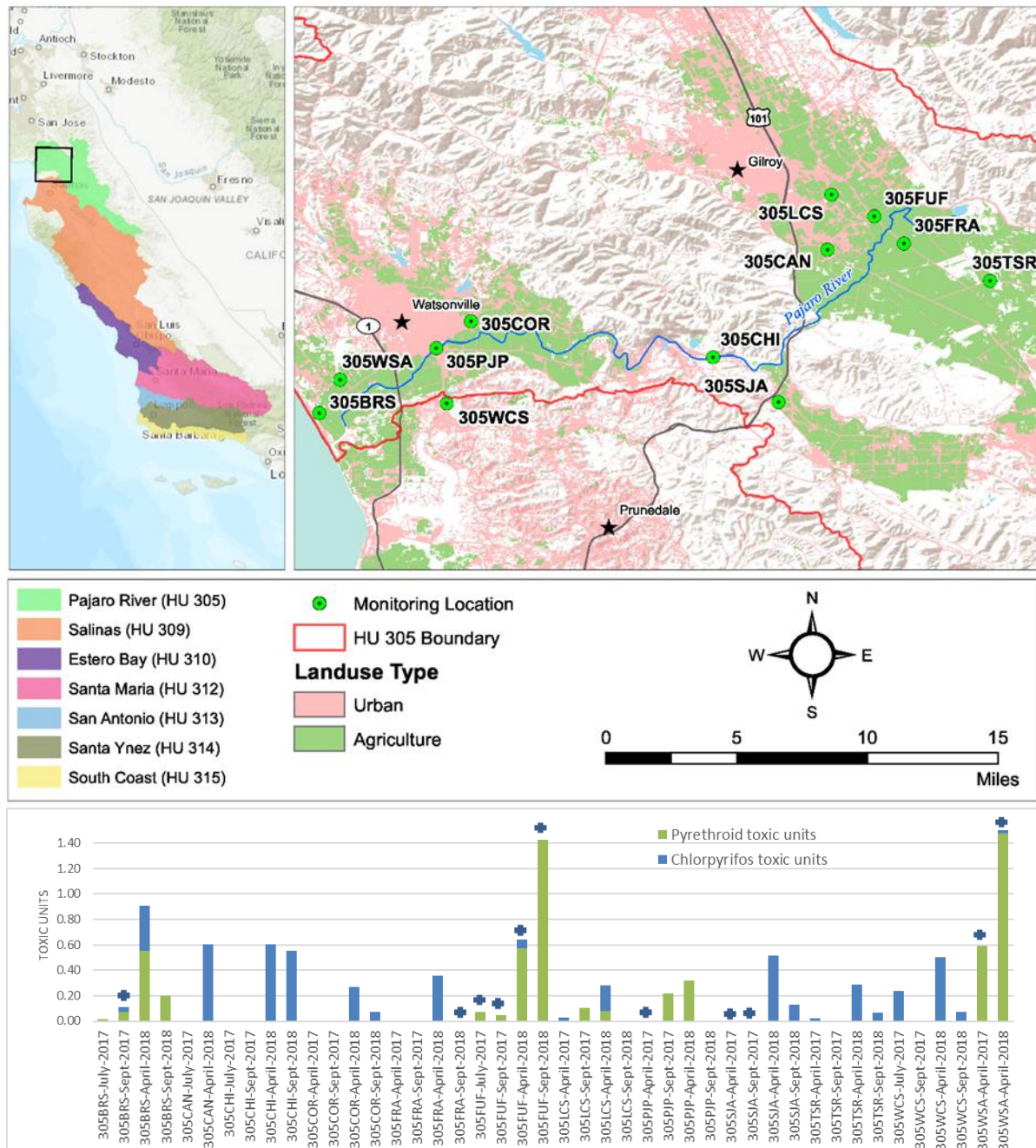


Figure 2. Except for three samples (305WCS-July, 305LCS-April, and 305TSR-April), pyrethroids were the greatest contributor of toxic units in sediment in the Pajaro River Hydrologic Unit. Sites showing concurrent toxicity to invertebrates in sediment are denoted with a "+" next to the site in the bar chart. Only sites that were sampled are included in the chart.

Figure 3. Toxic Units in Sediment by Site for the Salinas Watershed

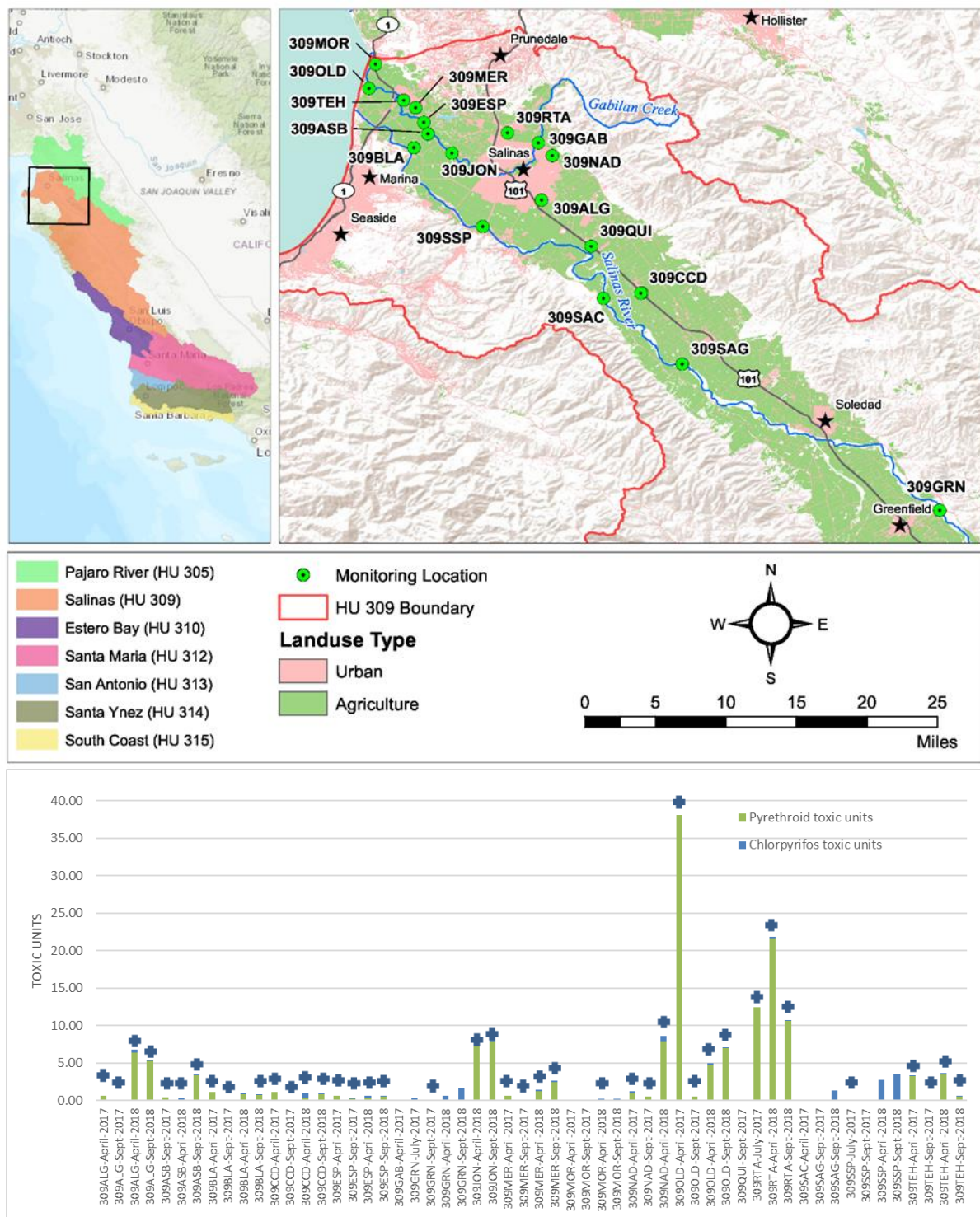


Figure 3. Except for three samples (309GRN-July, 309MER-September, and 309SSP-July), pyrethroids were the greatest contributor of toxic units in sediment in the Salinas Hydrologic Unit. Sites showing concurrent toxicity to invertebrates in sediment are denoted with a "+" next to the site in the bar chart. Only sampled sites are included in the chart.

Figure 4. Toxic Units in Sediment by Site for the Estero Bay Watershed

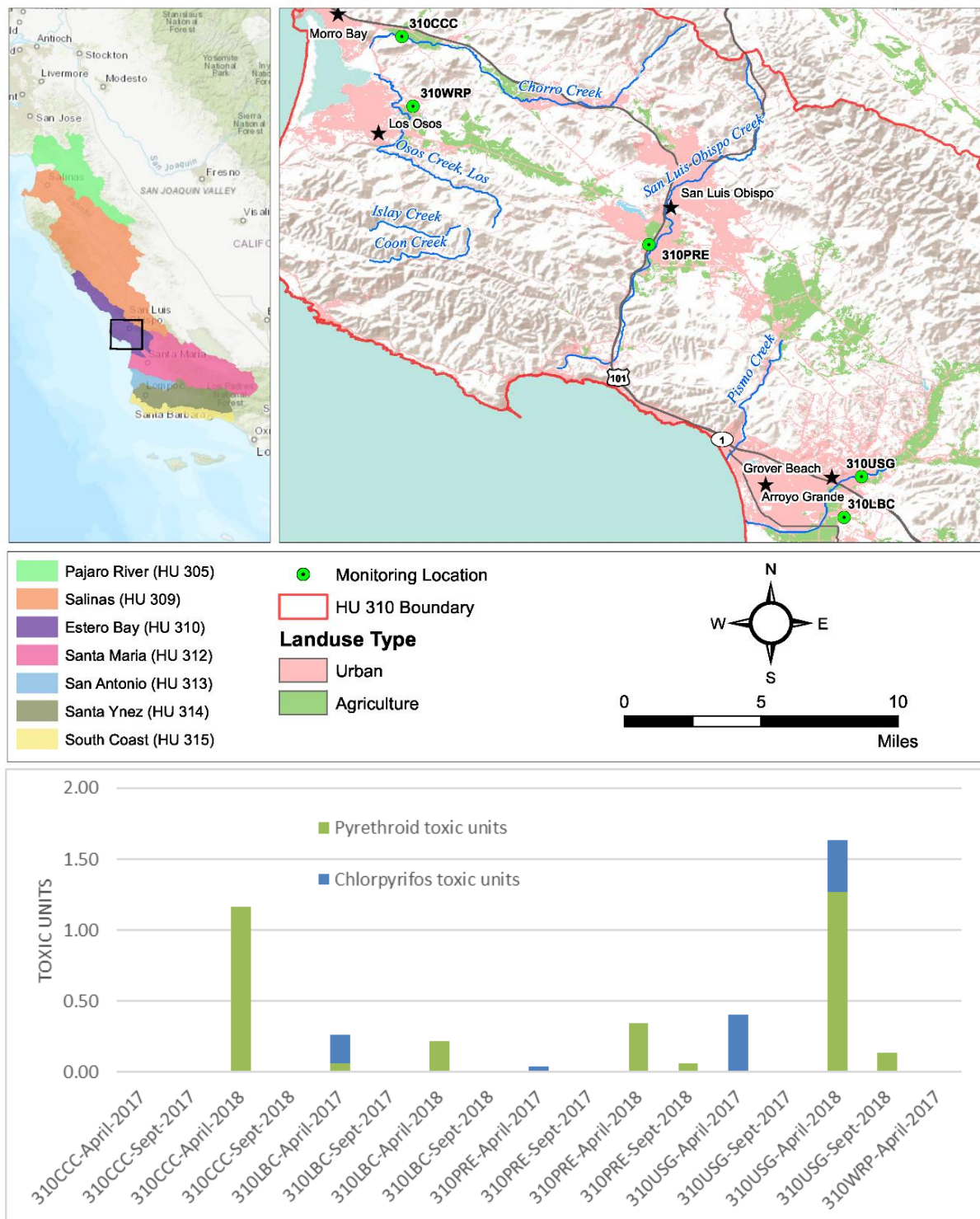


Figure 4. Of the two pesticide classes analyzed, pyrethroids were the greatest contributor of toxic units in sediment in the Estero Bay Hydrologic Unit. Only sites that were sampled are included in the chart.

Figure 5. Toxic Units in Sediment by Site for the Santa Maria Watershed

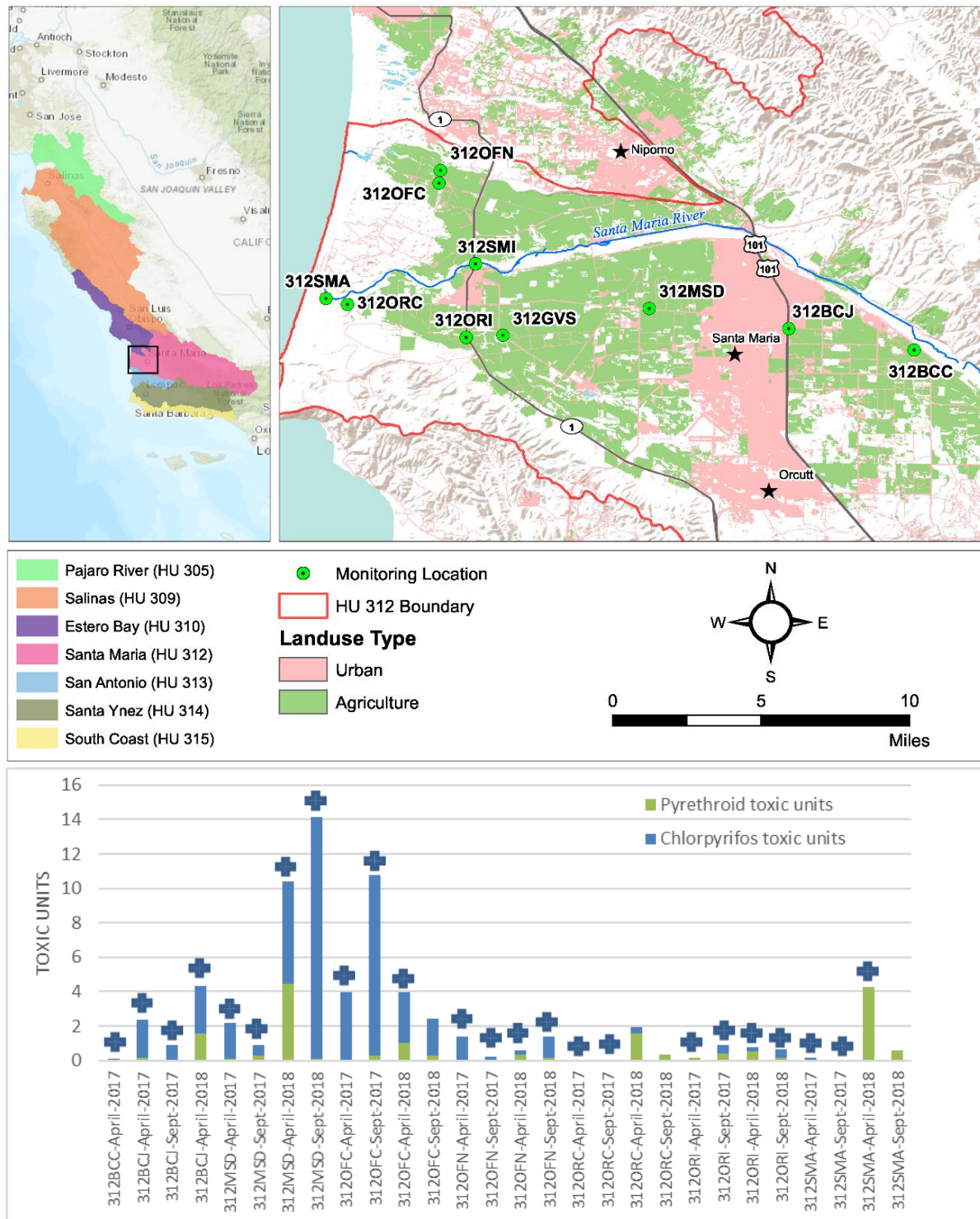


Figure 5. With one exception (312ORI-April), pyrethroids were the greatest contributor of toxic units in sediment in the Santa Maria Hydrologic Unit. Sites showing concurrent toxicity to invertebrates in sediment are denoted with a "+" next to the site in the bar chart. Only sites that were sampled are included in the chart.

Figure 6. Toxic Units in Sediment by Site for the Santa Ynez Watershed

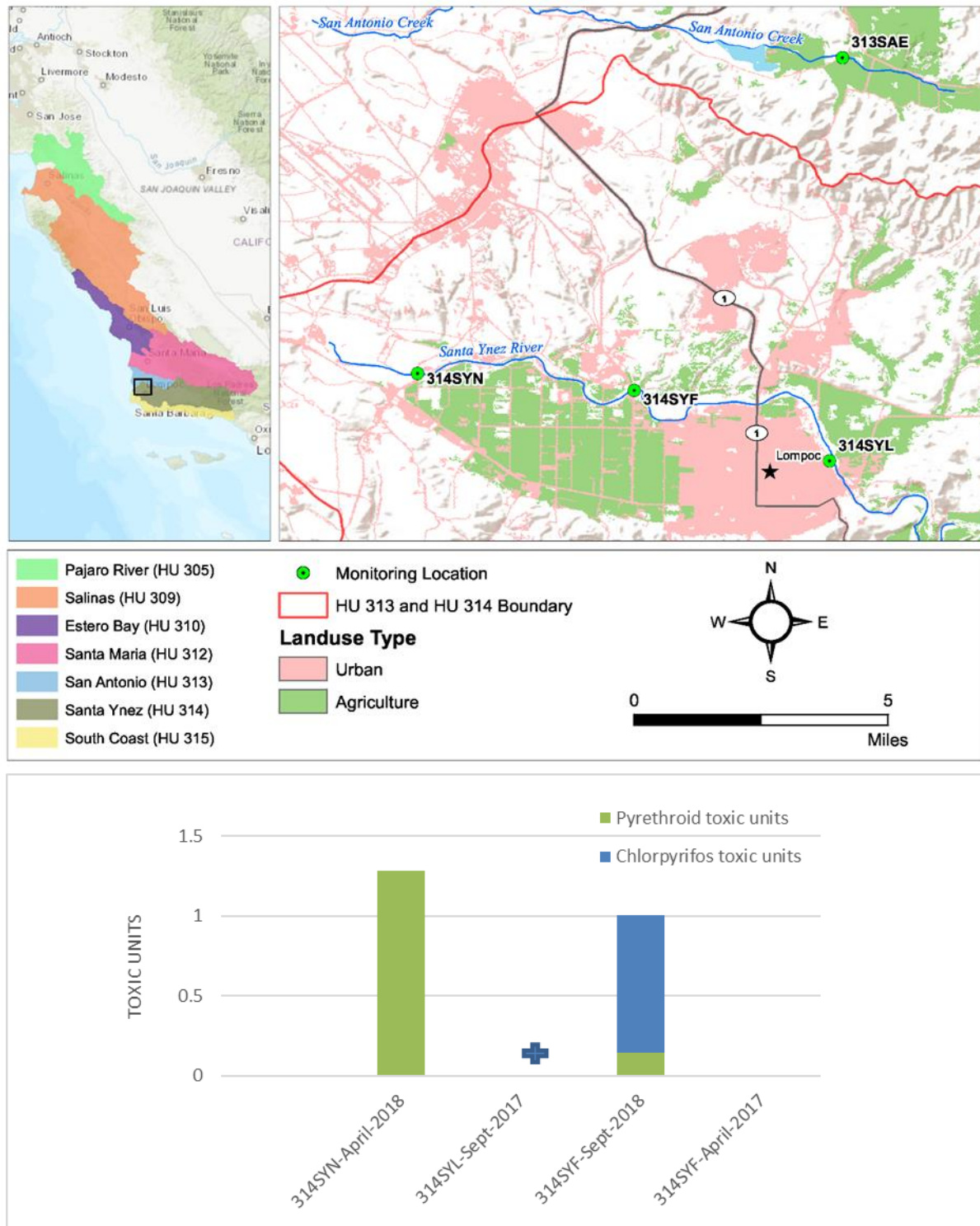


Figure 6. Pyrethroid and Chlorpyrifos were not detected during the two sampling events in the Santa Ynez Hydrologic Unit. Sites showing concurrent toxicity to invertebrates in sediment are denoted with a "+" next to the site in the bar chart. Only sites that were sampled are included in the chart.

Figure 7. Toxic Units in Sediment by Site for the South Coast Watershed

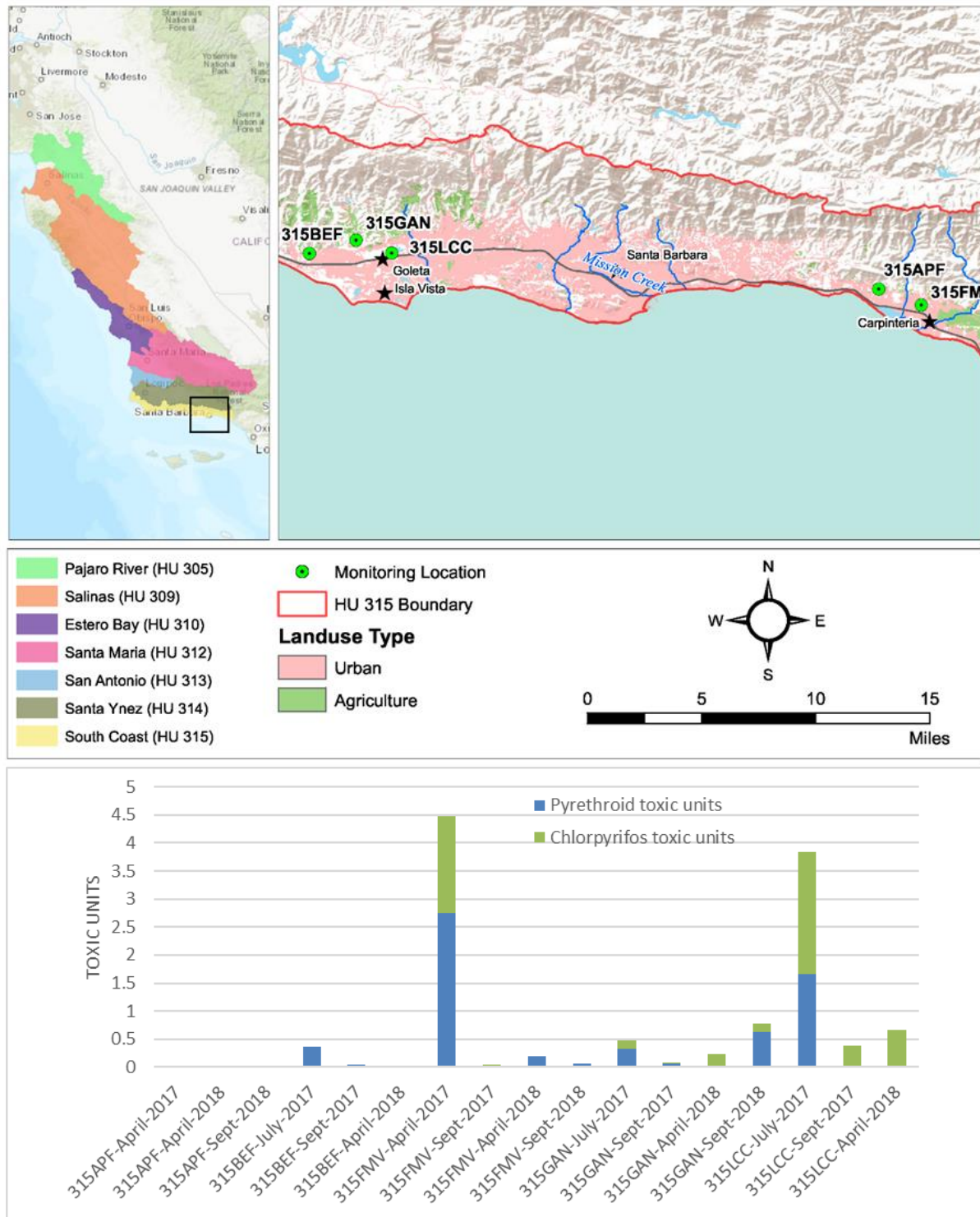


Figure 7. Except for three samples (315LCC-September, 315GAN-September, and 315GAN-July), pyrethroids were the greatest contributor of toxic units in sediment in the South Coast Hydrologic Unit. Only sites that were sampled are included in the chart.

Figure 8. *Ceriodaphnia* Survival and Total Toxicity Units of Organophosphate and Neonicotinoid Pesticides in Water

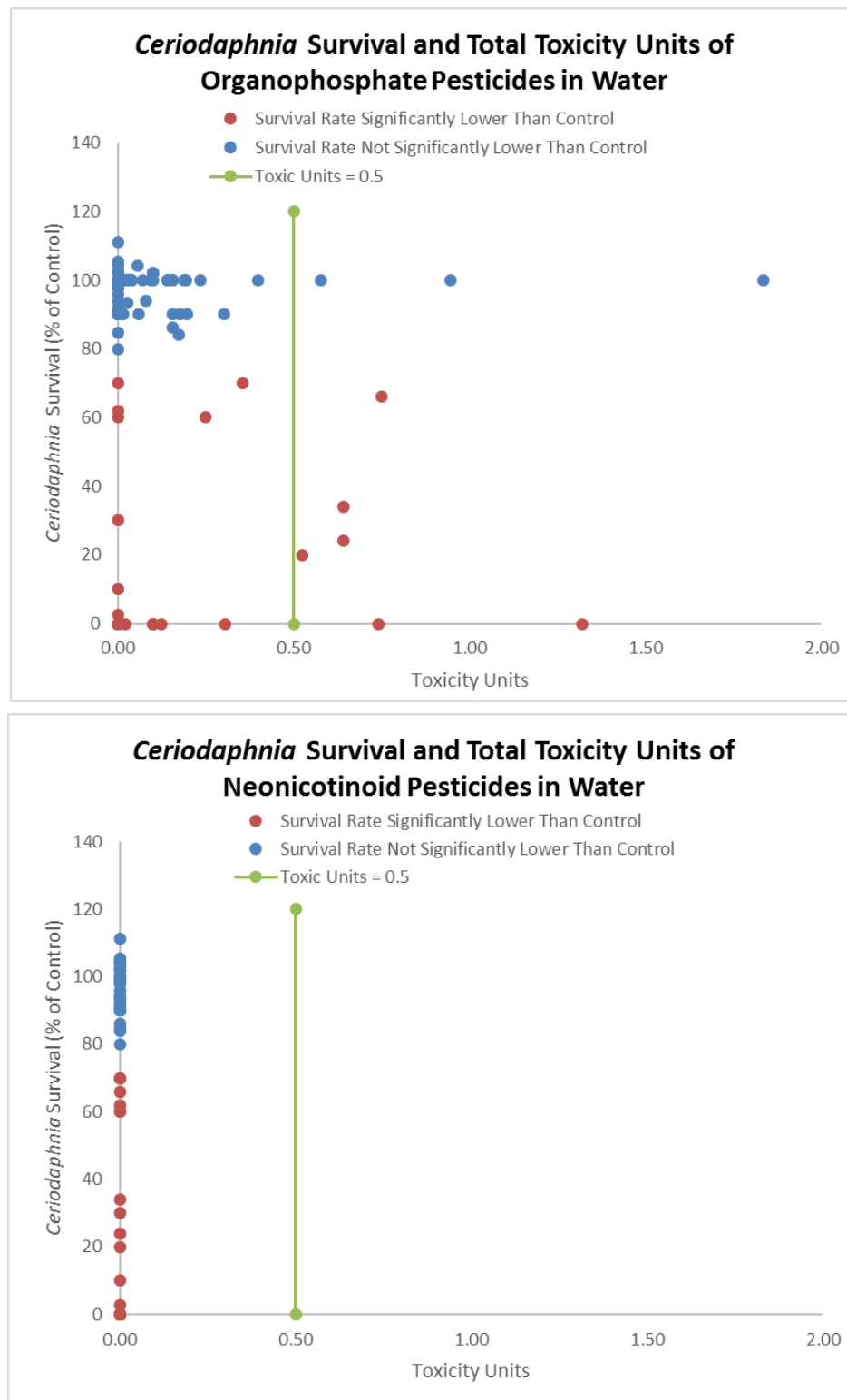


Figure 8. Survival of *C. dubia* (compared to laboratory control) exposed to water collected from Central Coast waterbodies in comparison with the total toxic units for organophosphates and neonicotinoids. The vertical line at 0.5 TUs represents a toxic threshold, which in some studies has been strongly associated with significant mortality.

Figure 9. *Chironomus* Survival and Total Toxicity Units of Organophosphate and Neonicotinoid Pesticides in Water

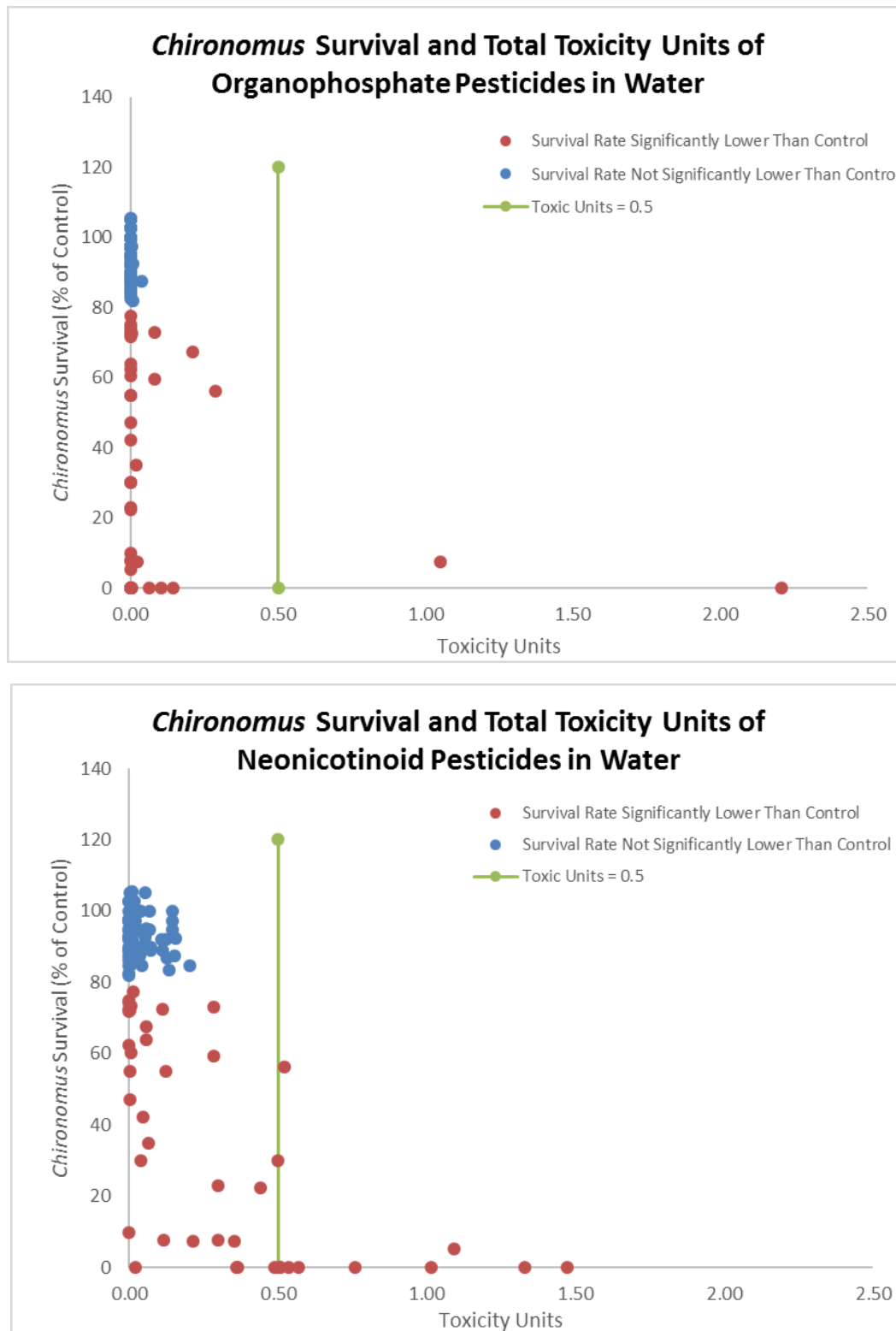


Figure 9. Survival of *Chironomus* (compared with control) exposed to water collected from Central Coast waterbodies in comparison with the total toxic units for organophosphate and neonicotinoid pesticides. The vertical line at 0.5 TUs represents a toxic threshold, which in some studies has been strongly associated with significant mortality.

Figure 10. Algal Survival and Total Toxicity Units of Herbicides in Water

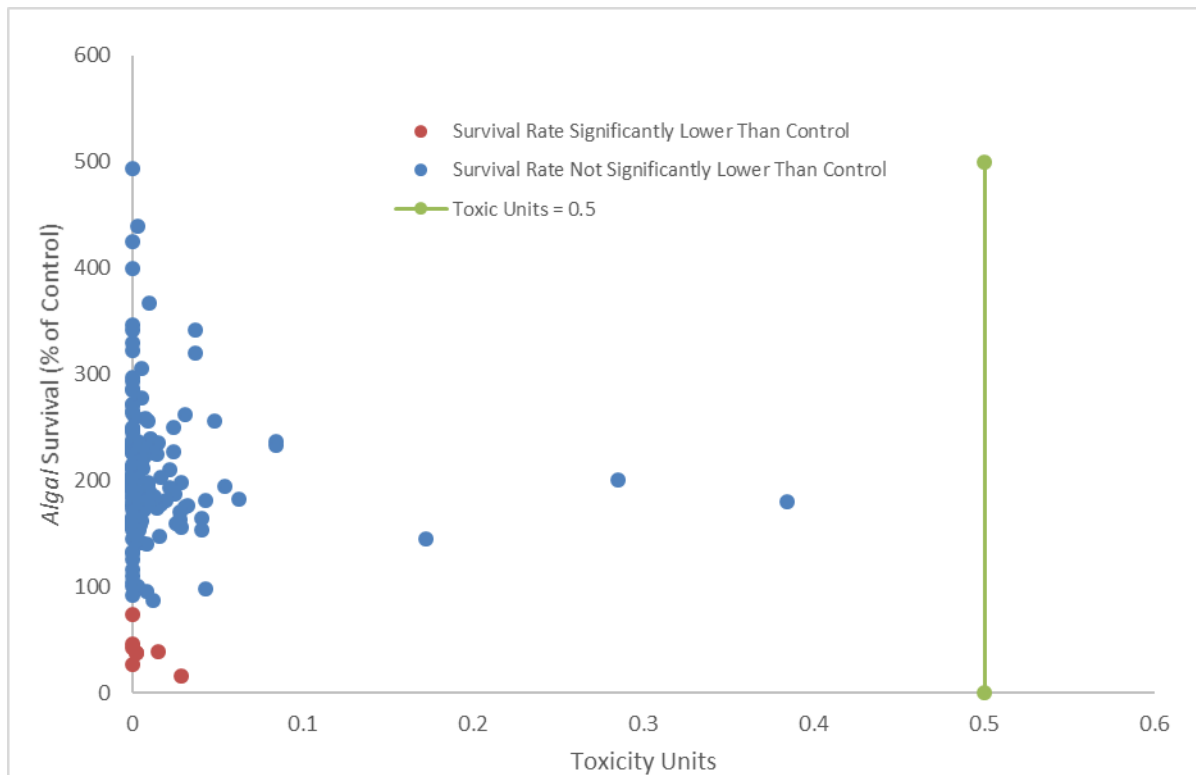


Figure 10. Survival of algae (compared with control) exposed to water collected from Central Coast waterbodies in comparison with the total toxic units of detected herbicide. The vertical line at 0.5 TUs represents a toxic threshold, which in some studies has been strongly associated with significant mortality.