

A topographic map of a coastal region, likely the southeastern United States, showing watershed boundaries in grey and rivers in light blue. The terrain is color-coded by elevation, with greens and yellows for lower elevations and oranges and reds for higher elevations. The map is partially obscured by a white area on the left side, representing the ocean. The text 'APPENDIX D' is centered on the map.

**APPENDIX D**

**Dry Weather Data Land Use and MS4  
Type by Watershed**

**Appendix D.1: Dry Weather Criteria Exceedances by Land Use Type for Each Watershed Management Area.**

Watershed	Primary Landuse	Number of Sites	Dry Weather Criteria Exceedances																
			pH	Turbidity	Conductivity	Ammonia (NH3-N)	Nitrate (NO3-N)	Orthophosphate (PO4-P)	MBAS	Oil & Grease	Cadmium Diss	Copper Diss	Lead Diss	Zinc Diss	Chlorpyrifos	Diazinon	Enterococcus	Fecal Coliform	Total Coliform
Santa Margarita	Open	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Residential	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rural residential	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Luis Rey	Agricultural	7	0	1	0	0	3	1	0	0	0	0	0	0	0	0	0	0	1
	Open	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Parks	4	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	Residential	16	1	3	0	1	2	3	0	0	0	0	0	0	0	1	0	1	0
	Rural residential	5	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0
	(blank)	1						0	0	0	0	0	0	0	0	0	0	0	0
Carlsbad	Agricultural	3	0	1	1	0	2	0	0	0	0	0	0	0	1	1	1	2	
	Commercial	71	4	15	7	2	11	1	0	1	0	0	0	0	3	4	14		
	Industrial	15	1	7	0	2	1	1	0	0	0	0	0	0	0	0	1	4	
	Open	9	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	
	Parks	4	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Residential	124	8	23	21	9	19	6	1	0	1	1	1	1	0	6	10	26	
	Rural residential	4	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
San Dieguito River	Agricultural	2	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Commercial	8	0	1	2	0	1	0	0	0	0	0	0	0	1	0	2		
	Industrial	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
	Open	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Parks	6	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	
	Residential	45	0	10	4	1	5	5	0	0	0	0	0	0	5	1	5		
Los Penasquitos	Commercial	16	0	8	1	2	0	0	0	1	0	0	0	0	3	1	1		
	Industrial	12	1	4	0	0	0	0	1	1	0	0	0	0	3	3	3		
	Open	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1		
	Parks	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Residential	50	1	22	1	0	1	1	2	0	0	0	0	0	4	2	4		
Mission Bay	Commercial	29	2	14	7	1	0	1	0	0	0	0	0	0	2	1	1		
	Residential	29	1	17	7	3	0	0	0	0	0	0	0	0	5	1	5		
San Diego River	Agricultural	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Commercial	32	3	10	5	3	1	1	1	0	0	0	0	0	1	3	5		
	Industrial	8	1	1	0	0	0	0	0	1	0	0	0	0	1	1	2		
	Residential	83	5	22	9	5	6	1	3	1	1	3	0	1	1	2	13	5	
	Rural residential	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0		
Pueblo San Diego	Commercial	44	2	16	6	2	1	2	4	1	0	0	0	0	8	5	11		
	Industrial	8	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0		
	Parks	3	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0		
	Residential	41	2	19	7	2	1	0	2	0	0	0	0	0	4	5	7		
	(blank)	1							0	0	0	0	0	0	0	0	0		
Sweetwater River	Commercial	7	0	0	2	0	1	0	0	0	0	0	0	0	0	1	2		
	Open	3	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1		
	Parks	5	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0		
	Residential	19	3	7	8	0	0	0	0	0	0	0	0	0	0	0	0		
	Rural residential	5	0	1	0	0	5	0	0	0	0	0	0	0	0	0	0		
Otay River	Commercial	25	2	1	9	1	2	4	0	0	0	10	0	0	2	2	5		
	Industrial	9	0	3	4	1	1	0	0	0	0	0	0	0	0	0	0		
	Open	7	0	0	4	0	2	0	0	0	0	0	0	0	0	0	0		
	Residential	28	4	6	7	2	0	2	1	0	0	0	0	0	3	2	3		
	(blank)	1	0		0	0	0												
Tijuana River	Agricultural	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Commercial	4	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0		
	Industrial	3	0	3	0	0	0	0	1	0	0	1	0	0	0	0	2		
	Open	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Residential	9	0	4	1	7	0	6	0	0	0	4	0	0	2	1	2		
	Rural residential (blank)	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0		

Appendix D.2: Dry Weather Criteria Exceedances by Conveyance Type for Each Watershed Management Area.

Watershed	Conveyance Type	Number of Sites	pH	Turbidity	Conductivity	Ammonia (NH3-N)	Nitrate (NO3-N)	Orthophosphate (PO4-P)	MBAS	Oil & Grease	Cadmium Diss	Copper Diss	Lead Diss	Zinc Diss	Chlorpyrifos	Diazinon	Enterococcus	Fecal Coliform	Total Coliform
Santa Margarita	Earthen Channel	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Natural Creek	4	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
San Luis Rey	Catch Basin	2	0	1	0	0	0	1											
	Concrete Channel	3	1	0	0	0	0	0											
	Earthen Channel	5	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1
	Natural Creek	13	0	5	0	0	5	0	0	0	0	0	0	0	0	0	1	0	1
	Open Channel	1	0	0	0	0	0	1											
	Outlet (blank)	11	0	3	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0
Carlsbad	Catch Basin	9	0	5	1	1	0	2	0	0	0	0	0	0	0	0	1	2	1
	Concrete Channel	50	5	5	3	0	6	0	0	0	0	0	0	0	0	0	0	3	21
	Earthen Channel	11	0	1	0	1	5	0	0	0	0	0	0	0	0	0	1	1	4
	Manhole	19	2	6	2	3	1	1	0	0	0	0	0	0	0	0	1	1	2
	Natural Creek	44	1	15	9	0	7	0	1	0	0	0	0	0	0	0	1	1	5
	Open Channel	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Outlet	93	4	16	17	9	14	5	1	0	1	1	1	1	0	0	6	8	13
San Dieguito River	Concrete Channel	9	0	4	2	1	0	2	0	0	0	0	0	0	0	1	0	1	
	Earthen Channel	3	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	
	Manhole	2	0	1	0	0	0	0											
	Natural Creek	24	0	4	3	0	4	0	0	0	0	0	0	0	0	1	0	3	
	Outlet	26	0	3	2	0	3	2	0	0	0	0	0	0	0	0	4	1	4
Los Penasquitos	Concrete Channel	7	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	Earthen Channel	1	0	0	0	0	0	0											
	Manhole	17	0	10	1	2	0	0											
	Natural Creek	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1
	Outlet	49	2	24	1	0	0	1	3	2	0	0	0	0	0	0	8	5	7
Mission Bay	Catch Basin	4	0	2	1	0	0	0											
	Concrete Channel	1							0						0	0		0	
	Earthen Channel	2							0						0	0		0	
	Manhole	6	0	4	2	0	0	0											
	Outlet	45	3	25	11	4	0	1	0	0	0	0	0	0	0	0	7	2	6
San Diego River	Catch Basin	5	0	2	0	2	2	0	1	0	0	0	0	0	0	0	0	1	1
	Concrete Channel	19	7	1	0	0	2	0	0	0	1	1	0	0	0	1	8	1	7
	Earthen Channel	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	Manhole	17	0	3	1	1	2	0	0	0	0	0	0	0	0	0	0	1	0
	Natural Creek	13	2	1	0	1	0	1	1	0	0	0	0	0	0	0	1	0	2
	Outlet	69	0	27	13	4	1	1	2	1	1	2	0	1	1	1	6	6	11
Pueblo San Diego	Catch Basin	11	0	2	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Concrete Channel	5	0	1	2	0	0	0	1	0	0	0	0	0	0	0	2	2	2
	Earthen Channel	5	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Manhole	22	0	6	5	2	1	1	2	1	0	0	0	0	0	0	3	3	5
	Natural Creek	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Outlet (blank)	51	4	26	13	1	1	1	3	0	0	0	0	0	0	0	7	5	11
Sweetwater River	Concrete Channel	7	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Earthen Channel	6	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Natural Creek	11	0	2	2	0	5	0	0	0	0	0	0	0	0	0	0	0	0
	Outlet	15	0	4	5	0	1	0	0	0	0	0	0	0	0	0	2	2	3
Otay River	Catch Basin	15	1	1	2	0	0	4	0	0	0	0	0	0	0	0	2	2	2
	Concrete Channel	6	2	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	Curb Gutter	2	1	0	0	0	0	0											
	Earthen Channel	3	0	0	2	0	0	0											
	Manhole	5	0	2	0	1	0	1	0	0	0	5	0	0	0	0	1	1	1
	Natural Creek	7	0	1	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Outlet	32	2	6	14	3	2	1	1	0	0	5	0	0	0	0	2	1	4	
Tijuana River	Curb Gutter	2	0	2	0	2	0	1											
	Earthen Channel	1	0	1	0	1	0	1	0	0	0	1	0	0	0	0	1	1	1
	Manhole	1	0	1	0	0	0	0											
	Natural Creek	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Outlet (blank)	12	0	5	3	4	0	4	1	0	0	4	0	0	0	0	1	0	3

**Appendix D.3: Dry Weather Sites for Co-Permittees.**

	Airport Authority	Carlsbad		Coronado	County of SD			Chula Vista		Del Mar	El Cajon
<b>Site Name</b>	C-B03-2	AH03	BA40	1a	CAR01	SDG05	SWT09	BLC-01	BAY-01	S-12	1
	C-B06-5	AH04	BA41	1b	CAR02	SDG06	SWT10	BLC-02	BAY-02	S-04	2
	C-B08-8	AH08	BA43	1c	CAR03	SDG07	SWT11	CEN-01	BAY-03	S-05	3
	C-B04-9	AH09	BA47	2	CAR04	SDG08	SWT12	CEN-03	JUD-01	S-06	4
	C-B04-9A	AH10	BA48	5a	CAR05	SDG09	SWT13	CEN-04	JUD-02	S-07	5
		AH11	BA49	5b	CAR06	SLR01	SWT14	CEN-07	JUD-03	S-08	6
		AH12	BA51	5d	CAR08	SLR02	SWT15	CEN-08	LAK-01	S-14	7
		AH13	BA52	5e	CAR09	SLR04	SWT18	CEN-10	OVR-04	S-15	8
		AH18	BV02	5f	CAR10	SLR06	SWT20	OLR-01	OVR-07		13
		AH24	BV04A	9	CAR13	SLR08	SWT21	OLR-02	OVR-09		14
		AH27	BV06	10	CAR14	SLR10	SWT22	RCC-01	OVR-10		15
		AH28	BV08	11	OTY03	SLR11	SWT23	RCC-02	OVR-14		17
		AH30	BV09	12	OTY04	SLR12	SWT25	RCC-03	POG-01		18
		AH31	BV10	33a	SDR01	SLR14	TIJ01	RCC-04	POG-02		20
		AH32	BV16	35	SDR02	SLR15	TIJ02	SUN-02	POG-03		21
		AH45	EN02A	36	SDR03	SLR16	TIJ04	SUN-03	PRD-02		23
		AH46	EN02B	37c	SDR05	SLR17		SUN-05	SCR-01		24
		AH59	EN02C		SDR07	SLR18		SUN-06	SCR-02		25
		AH61	EN09		SDR08	SLR27		SUN-07	SCR-03		26
		AH63	EN14		SDR11	SLR29		SVS-01	SCR-04		27
		AH65	EN14A		SDR13	SLR30		SVS-02	SCR-05		28
		BA02	EN18		SDR15	SMG01		TCC-01-01	SWB-03		30
		BA03	EN19		SDR16	SMG07		TCC-01-02	WOL-02		32
		BA04	EN20		SDR18	SMG08		TCC-01-03	WOL-03		33
		BA06	EN21		SDR19	SMG09		TCC-01-04	SWR-04		34
		BA07	EN23		SDR20	SMG10		TCC-02			37
		BA13	EN24		SDR22	SWT01		CV-TCC-03			38
		BA26	EN31		SDR25	SWT02		TCC-04			39
		BA27			SDR34	SWT03		TCC-05			40
		BA32			SDG02	SWT05		TCC-06			41
		BA34			SDG03	SWT07		TCS			
		BA36			SDG04	SWT08		WIL-01			

**Appendix D.3: Dry Weather Sites for Co-Permittees.**

Site Name	Encinitas		Escondido		Imperial Beach	Lemon Grove	La Mesa	National City	Oceanside		Poway	
	CBS-1	LCS-5	813.0.0	846.0.0	H-3	Site 1	50	11	A002	L040	2	124
	CBS-2	LCS-6	816.1.1	846.0.1	G-1	Site 3	52	43	A004a	L046	3	128
	CBS-3N	LCS-7	818.0.0	846.0.3	K-2	Site 12	13B	47	A004b	L054	3A	142
	CBS-3S	LCS-4	818.0.2	874.0.0	O-2	Site 19	13C	44	A013	L103	3B	52
	CBS-4		818.1.0	874.2.0	GG-06	Site 2	14A	45	A015	L107	4	53
	CBS-7		818.2.0	860.1.2	HH-06	Site 5	12	46	A016	S006	12	54
	SEL-2		818.3.0	860.1.3	E-1B	Site 7	34	13A	A019	S035	15	63A
	SEL-3		818.3.1	860.1.4	S-1	Site 8	35	1A	B001	S044	16	64A
	LUC-1		818.4.0	860.2.2	E-1A	Site 9	39	48	B002	S045	18A	65
	LUC-3		818.4.1	861.0.0	F-1	Site 10	40	49	B022	S065	19	80
	LUC-4		819.0.1	861.1.1	N-06	Site 11	57	31	B023	S072	21A	129
	LUC-6		819.1.1	861.2.1	S-06	Site 15	58	32	B024	S075	21B	130
	ENC-1		820.0.0	861.2.2	T-06	Site 16	59	38	B026	S077	30	132
	ENC-3		820.0.1	861.2.3		Site 17	61	40	B029	S085	31	133
	ENC-4		822.0.2	861.3.1		Site 20	64	41	B030	S088	34	134
	ENC-5		822.1.4	862.0.0			12A		B033	S104	35	136
	ENC-6		823.0.1	863.0.0			4A		B102	S106	36A	140
	ENC-8		824.0.1	864.3.0			55		B103	S107	90	141
	ENC-10		825.0.1	866.1.2					L001	S108	91	
	ENC-11		825.0.2	866.1.6					L002	S110	101	
	ENC-15		826.0.1	866.1.7					L003	S111	103	
	ENC-16		826.0.2	866.1.8					L004	S113	105	
	ENC-17		826.0.7	867.3.1					L005		106	
	ESC-1		840.0.0						L006		108	
	ESC-2		842.0.1						L007		109	
	LOR		843.0.0						L008		111	
	RSF-1		843.0.4						L009		114	
	RSF-3		843.1.0						L019		115	
	RSF-4		843.2.0						L020		118	
	LCS-1		844.1.2						L027		119	
	LCS-2		844.1.3						L029		121	
	LCS-3		845.1.2						L037		123	

**Appendix D.3: Dry Weather Sites for Co-Permittees.**

Site Name	Port of San Diego	Santee	San Marcos	Vista	San Diego						
	11. Ferry	A5c	A-01	G-3	DW048	DW163	DW024	DW292	DW189	DW076	DW295
	8. Pepper	E5g	A-05A	G-4	DW049	DW164	DW025	DW302	DW190	DW078	DW296
	2. Shelter	G30c	A-07	AH-8	DW053	DW165	DW026	DW308	DW192	DW079	DW297
	3. America	H5e	A-08	AH-8A	DW054	DW166	DW027	DW309	DW196	DW081	DW100
	6. Laurel	J25c	B-01	AH-9	DW055	DW171	DW028	DW310	DW197	DW082	DW001
	12. Navy P	J25c2	B-02	AH-10	DW056	DW172	DW029	DW216	DW201	DW084	DW002
	Alt 1b. Sp	J30d	B-03	AH-13	DW057	DW173	DW030	DW218	DW203	DW086	DW003
	CSD 215 Se	K15j2	B-04	AH-17	DW058	DW175	DW031	DW219	DW204	DW088	DW004
	CSD 215 Se	O40b	C-01	AH-21	DW060	DW176	DW032	DW220	DW207	DW089	DW005
	9. Bayside	P15b	C-05A	SS-1	DW061	DW177	DW034	DW225	DW208	DW093	DW006
		P20f	C-06	SS-2	DW062	DW244	DW036	DW226	DW210	DW094	DW010
		Q5l	C-08	BV-1	DW103	DW257	DW037	DW178	DW211	DW095	DW011
		RCP1	C-11	BV-2	DW104	DW258	DW042	DW233	DW212	DW096	DW012
		S15h	C-12	BV-4	DW105	DW259	DW044	DW234	DW213	DW097	DW014
		S5c	D-01	BV-6	DW106	DW261	DW046	DW235	DW214	DW099	DW033
		U10a	D-02	BV-7	DW108	DW262	DW063	DW236	DW215	DW101	DW035
		V40d	D-03	BV-8	DW109	DW263	DW064	DW117	DW238	DW102	DW283
		V45k	DB-01	BV-10	DW110	DW265	DW065	DW119	DW239	DW127	DW284
		Y15e	DC-01	BV-11	DW112	DW273	DW241	DW120	DW307	DW130	DW285
		Z15b	E-01	BV-18	DW114	DW275	DW247	DW121	DW312	DW133	DW317
			E-02	BV-19	DW115	DW311	DW248	DW122	DW313	DW134	DW224
				BV-24	DW116	DW316	DW249	DW123	DW319	DW135	DW227
				BV-25	DW150	DW013	DW251	DW128	DW320	DW136	DW228
				MV-2	DW151	DW015	DW254	DW145	DW067	DW137	DW229
				AC-1	DW152	DW016	DW266	DW146	DW068	DW143	DW230
				AC-2	DW153	DW017	DW267	DW147	DW069	DW168	DW303
				BVC-1	DW155	DW018	DW268	DW169	DW070	DW242	DW304
				BVC-2	DW157	DW019	DW269	DW179	DW071	DW243	DW305
				BVC-3	DW158	DW020	DW270	DW182	DW072	DW255	DW322
				MV-1	DW159	DW021	DW271	DW183	DW073	DW256	
					DW160	DW022	DW289	DW187	DW074	DW293	
					DW162	DW023	DW290	DW188	DW075	DW294	