Table A-3A. Linkage Analysis: Summary of Loads and In-Stream Conditions under Critical Flow, by Reach. Part 1: Northern Reaches

Reach	Extreme Low-Flow Conditions: 7Q10 (Effluent Only)			Typical Low-Flow Conditions: 50%ile Flow			Routine Critical Conditions: Maximum Non-Storm Flow			Drought Conditions			Long-Term Critical Conditions: Post-Drought, High Load, High Discharge			Storm Conditions: Average of Flows > Max. Non-Storm		
Type of Inflow/Outflow	Flow, ft^3/s*	Conc., mg/L	Mass, lb/day	Flow, ft^3/s*	Conc., mg/L	Mass, lb/day	Flow, ft^3/s*	Conc., mg/L	Mass, lb/day	Flow, ft^3/s*	Conc., mg/L	Mass, lb/day	Flow, ft^3/s*	Conc., mg/L	Mass, lb/day	Flow, ft^3/s*	Conc., mg/L	Mass, lb/day
Tapo Canyon, Reach 8																		
Groundwater discharge	0	--	--	0.5	160	427	0.75	160	641	0	--	--	0.75	192	769	0.75	160	641
Urban non-storm runoff	0	--	--	0.5	130	347	0.75	130	521	0.5	130	347	0.75	130	521	15	20	1,602
Arroyo Simi, Reach 7																		
Groundwater discharge	0	--	--	0.5	160	427	0.75	160	641	0	--	--	0.75	192	769	0.75	160	641
Pumped groundwater	0	--	--	1.5	150	1202	2	150	1602	0	--	--	0	0	0	2	150	1602
Urban non-storm runoff	0	--	--	0.5	100	267	0.75	100	401	0.5	100	267	0.75	100	401	15	20	1602
Conditions, USGS gauge Arroyo Simi	***0***	*--*	*--*	***3.5***	***143***	***2,670***	***5.0***	***143***	***3,805***	***1.0***	***115***	***614***	***3.0***	***154***	***2,459***	***33.5***	***34***	***6,088***
Groundwater discharge	0	--	--	1	150	801	2	150	1602	0	--	--	2	180	1922	2	150	1602
Simi Valley POTW	14.1	113	8,508	14.1	113	8,508	14.1	113	8,508	14.1	136	10,210	14.1	136	10,210	14.1	113	8,508
Conditions, outflow to Reach 6	***14.1***	***113***	***8,508***	***18.6***	***121***	***11,979***	***21.1***	***123***	***13,915***	***15.1***	***134***	***10,824***	***19.1***	***143***	***14,591***	***49.6***	***61***	***16,198***
Arroyo Las Posas, Reach 6																		
Agricultural withdrawals	-6	113	--	-6	121	--	-6	123	--	-6	134	--	-6	143	--	-6	61	--
Moorpark POTW **	3.1	118	1,953	3.1	118	1,953	3.1	118	1,953	3.1	142	2,344	3.1	142	2,344	3.1	118	1,953
Groundwater recharge	-8.1	113	--	-12.6	121	--	-15	123	--	-9	134	--	-13	143	--	-13	61	--
Conditions, mid-Reach 6	***0***	*--*	*--*	***0***	*--*	*--*	***0***	*--*	*--*	***0***	*--*	*--*	***0***	*--*	*--*	***31***	***61***	***9,960***

* Withdrawals and outflows indicated by a negative number **Discharge to groundwater, not included in totals ***Storm runoff simulated as inflow to same point as non-storm

Table A-3B. Linkage Analysis: Summary of Loads and In-Stream Conditions under Critical Flow, by Reach. Part 2: Southern Reaches

Reach	Extreme Low-Flow Conditions: 7Q10 (Effluent Only)			Typical Low-Flow Conditions: 50%ile Flow			Routine Critical Conditions: Maximum Non-Storm Flow			Drought Conditions			Long-Term Critical Conditions: Post-Drought, High Load, High Discharge			Storm Conditions: Average of Flows > Max. Non-Storm		
Type of Inflow/Outflow	Flow, ft^3/s*	Conc., mg/L	Mass, lb/day	Flow, ft^3/s*	Conc., mg/L	Mass, lb/day	Flow, ft^3/s*	Conc., mg/L	Mass, lb/day	Flow, ft^3/s*	Conc., mg/L	Mass, lb/day	Flow, ft^3/s*	Conc., mg/L	Mass, lb/day	Flow, ft^3/s*	Conc., mg/L	Mass, lb/day
Conejo Creek South Fork, Reach 13																		
Pumped groundwater	0	--	--	0.5	160	427	0.5	160	427	0	--	--	0.5	192	513	0.5	160	427
Groundwater discharge	0	--	--	0.5	160	427	1.5	160	1,282	0	--	--	1.5	192	1,538	1.5	160	1,282
Urban non-storm runoff	0	--	--	1.5	160	1,282	3	160	2,563	1.5	160	1,282	3	160	2,563	29	20	3,097
Conejo Creek North Fork, Reach 12																		
Groundwater discharge	0	--	--	1	150	801	3	150	2,403	0	--	--	3	180	2,884	3	150	2,403
Urban non-storm runoff	0	--	--	1.5	150	1,202	2	150	1,602	1.5	150	1,202	2	150	1,602	8	20	854
Arroyo Santa Rosa, Reach 11																		
Groundwater recharge	0	--	--	-0.4	--	--	-1.3	--	--	-1.3	--	--	-1.3	--	--	-1.3	--	--
Agricultural withdrawals	0	--	--	-0.6	--	--	-2	--	--	-2	--	--	-2	--	--	-2	--	--
Groundwater discharge	0	--	--	0.8	130	555	3	130	2,083	0	--	--	3	156	2,499	3	130	2,083
Urban non-storm runoff	0	--	--	1	100	534	1.5	100	801	1	100	534	1.5	100	801	10	20	1,068
Conejo Creek Hill Canyon, Reach 10																		
Hill Canyon POTW	15.2	118	9,572	15.2	118	9,572	15.2	118	9,572	15.2	142	11,486	15.2	142	11,486	15.2	118	9,572
Groundwater recharge	-5	--	--	-5	--	--	-6	--	--	-6	--	--	-6	--	--	-6	--	--
Agricultural withdrawals	0	--	--	0	--	--	-0.4	--	--	-0.4	--	--	-0.4	--	--	-0.4	--	--
Conejo Creek main stem, Reach 9B																		
Conditions, USGS gauge Conejo Ck.	***10.2***	***118***	***6,421***	***16.0***	***126***	***10,762***	***20.0***	***131***	***13,998***	***9.5***	***142***	***7,199***	***20.0***	***151***	***16,116***	***60***	***56***	***17,937***
Groundwater discharge	0	--	--	1	150	801	2	130	1,388	1	0	0	2	156	1,666	1	150	801
Urban non-storm runoff	0	--	--	0.5	100	267	0.8	100	427	0.8	100	427	0.8	100	427	10	20	1,068
Agricultural withdrawals	-1	--	--	-1	--	--	-1	--	--	-1	--	--	-1	--	--	-1	--	--
Subsurface inflow	0	--	--	0.5	126	337	1	131	700	1	142	759	1	151	806	1	56	297
Conditions at proposed diversion	***9.2***	***118***	***5,791***	***17.0***	***127***	***11,494***	***22.8***	***130***	***15,814***	***11.3***	***127***	***7,627***	***22.8***	***150***	***18,209***	***71***	***52***	***19,806***
Conejo Creek main stem, below diversion, Reach 9A																		
Diversion	-3.2	--	--	-11.0	--	--	-16.8	--	--	-5.3	--	--	-16.8	--	--	-16.8	--	--
Groundwater discharge	0	--	--	0.5	150	401	2	150	1,602	0	--	--	2	180	1,922	2	150	1,602
Camarillo POTW	3.3	175	3,084	3.3	175	3,084	3.3	175	3,084	3.3	210	3,701	3.3	210	3,701	3.3	175	3,084
Conditions, outflow to Reach 3	***9.3***	***138***	***6,865***	***9.8***	***145***	***7,581***	***11.3***	***147***	***8,849***	***9.3***	***156***	***7,754***	***11.3***	***173***	***10,417***	***60***	***76***	***24,491***

* Withdrawals and outflows indicated by a negative number ***Storm runoff simulated as inflow to same point as non-storm runoff

Table A-3C. Linkage Analysis: Summary of Loads and In-Stream Conditions under Critical Flow, by Reach. Part 3: Calleguas Creek

Reach	Extreme Low-Flow Conditions: 7Q10 (Effluent Only)			Typical Low-Flow Conditions: 50%ile Flow			Routine Critical Conditions: Maximum Non-Storm Flow			Drought Conditions			Long-Term Critical Conditions: Post-Drought, High Load, High Discharge			Storm Conditions: Average of Flows > Max. Non-Storm		
Type of Inflow/Outflow	Flow, ft^3/s*	Conc., mg/L	Mass, lb/day	Flow, ft^3/s*	Conc., mg/L	Mass, lb/day	Flow, ft^3/s*	Conc., mg/L	Mass, lb/day	Flow, ft^3/s*	Conc., mg/L	Mass, lb/day	Flow, ft^3/s*	Conc., mg/L	Mass, lb/day	Flow, ft^3/s*	Conc., mg/L	Mass, lb/day
Calleguas Creek Main Stem, Reach 3																***		
Inflow from Reach 6	0	--	--	0	--	--	0	--	--	0	--	--	0	--	--	51	61	9960
Inflow from Reach 9	9.3	138	6,865	9.8	145	7,581	11.3	147	8,849	9.3	156	7,754	11.3	173	10,417	60	76	24,491
Urban runoff	0	--	--	0	--	--	0	--	--	0	--	--	0	--	--	11	20	1,175
Groundwater discharge	0	250	0	1	250	1,335	1.6	250	2,136	0	--	--	1.6	300	2,563	1.6	250	2,136
Agricultural withdrawals	-1	--	--	-1	--	--	-1	--	--	-1	--	--	-1	--	--	-1	--	--
Agricultural discharge	0	--	--	1	250	1,335	2	250	2,670	2	250	2,670	2	300	3,204	2	250	2,670
Camrosa POTW **	2.3	250	3,071	2.3	250	3,071	2.3	250	3,071	2.3	300	3,685	2.3	300	3,685	2.3	250	3,071
Rising groundwater near Camrosa POTW	0	--	--	1	250	1,335	2.3	250	3,071	0	--	--	2.3	300	3,685	2.3	250	3,071
Conditions, USGS gauge Potrero Rd.	***8.3***	***138***	***6,126***	***11.8***	***172***	***10,813***	***16.2***	***184***	***15,943***	***10.3***	***174***	***9,590***	***16.2***	***219***	***18,947***	***126.4***	***49***	***33,135***

* Withdrawals and outflows indicated by a negative number **Discharge to groundwater, not included in totals ***Storm runoff simulated as inflow to same point as non-storm runoff