

Appendix B: Pacheco Conduit Dewatering Data

PACHECO AND SANTA CLARA CONDUIT DEWATERING
NOVEMBER 2013

APPURTENANCE NAME/NUMBER	PROPOSED ORDER OF PUMP/RAIN	DISCHARGE TO	PUMP/RAIN VOLUME (GAL)	PUMP/RAIN VOLUME (CU. FT.) (1 CU. FT. = 7.4805 GAL)	ASSUMED PUMP/RAIN RATE (CFS)	PUMP/RAIN TIME (HR)	MOBILIZATION & DEMOBILIZATION TIME (HRS)	TOTAL DRAINAGE/ PUMP-OUT TIME (HRS)	TOTAL DRAINAGE/ PUMP-OUT TIME (DAYS)	PUMP TIME AND VOLUME NOTES
PACHECO TUNNEL & REGULATING TANK GRAVITY DRAIN		San Luis Reservoir or CCP Poly Jet	1,180,633	157,828	2	21.9	10	31.9	4.56	Pumpout Assumptions: - 6 hrs for equipment delivery, appurtenance disassembly and equipment set-up - 7 hr onsite work day and 2 cfs pump rate - 4 hrs of equipment break-down & removal - *** Pacheco Tunnel does not need to be completely dewatered
PC#40 & PC#34 SIMULTANEOUS GRAVITY DRAIN	2	Pacheco Creek	8,327,868	1,113,277	4	77.3	0	77.3	3.22	Drainage Assumptions: - Screens installed prior to gravity drain - 24 hr/day drain time at 2 cfs per dissipater
PC#40 & PC#34 SIMULTANEOUS DISSIPATER PUMPOUT	3	Pacheco Creek	5,251,422	702,015	4	48.8	0	48.8	6.96	Pumpout Assumptions: - Dissipater pumpout equipment setup prior to gravity drain - 7 hr/day pump time at 2 cfs per dissipater
PC#40 INTERNAL PUMPOUT		Pacheco Creek	129,329	17,289	2	2.4	8	10.4	1.49	Pumpout Assumptions: - 4 hrs for appurtenance disassembly/transition equipment from dissipater to pipe - 7 hr onsite work day and 2 cfs pump rate - 4 hrs of equipment break-down & removal
PC#42 INTERNAL PUMPOUT		Pacheco Creek	896,484	119,843	2	16.6	10	26.6	3.81	Pumpout Assumptions: - 6 hrs for equipment delivery, appurtenance disassembly and equipment set-up - 7 hr onsite work day and 2 cfs pump rate - 4 hrs of equipment break-down & removal
PC#38 INTERNAL PUMPOUT		Pacheco Creek	994,838	132,991	2	18.5	10	28.5	4.07	Pumpout Assumptions: - 6 hrs for equipment delivery, appurtenance disassembly and equipment set-up - 7 hr onsite work day and 2 cfs pump rate - 4 hrs of equipment break-down & removal
PC#34 INTERNAL PUMPOUT		Pacheco Creek	241,744	32,317	2	4.5	8	12.5	1.78	Pumpout Assumptions: - 4 hrs for appurtenance disassembly/transition equipment from dissipater to pipe - 7 hr onsite work day and 2 cfs pump rate - 4 hrs of equipment break-down & removal
PC#36 INTERNAL PUMPOUT		Pacheco Creek	1,116,193	149,214	2	20.7	10	30.7	4.39	Pumpout Assumptions: - 6 hrs for equipment delivery, appurtenance disassembly and equipment set-up - 7 hr onsite work day and 2 cfs pump rate - 4 hrs of equipment break-down & removal
PC#32 INTERNAL PUMPOUT		Pacheco Creek	281,468	37,627	1	10.5	10	20.5	2.92	Pumpout Assumptions: - 6 hrs for equipment delivery, appurtenance disassembly and equipment set-up - 7 hr onsite work day and 1 cfs pump rate - 4 hrs of equipment break-down & removal
PC#30 INTERNAL PUMPOUT		Pacheco Creek	366,205	48,955	2	6.8	10	16.8	2.40	Pumpout Assumptions: - 6 hrs for equipment delivery, appurtenance disassembly and equipment set-up - 7 hr onsite work day and 2 cfs pump rate - 4 hrs of equipment break-down & removal
PC#14 GRAVITY DRAIN		Pacheco Creek	1,974,172	263,909	2	36.7	0	36.7	1.53	Drainage Assumptions: - Screen installed prior to gravity drain - 24 hr/day drain time at 2 cfs
PC#14 DISSIPATER & INTERNAL PUMPOUT		South Fork Pacheco Creek	552,830	73,903	2	10.3	10	20.3	2.89	Pumpout Assumptions: - Screen installed prior to gravity drain - Dissipater pumpout equipment setup prior to gravity drain - 7 hr onsite work day and 2 cfs pump rate - 6 hrs for appurtenance disassembly/transition equipment from dissipater to pipe - 4 hrs of equipment break-down & removal
PC#12 INTERNAL PUMPOUT		Pacheco Creek	139,878	18,699	1	5.2	10	15.2	2.17	Pumpout Assumptions: - 6 hrs for equipment delivery, appurtenance disassembly and equipment set-up - 7 hr onsite work day and 1 cfs pump rate - 4 hrs of equipment break-down & removal
PC#16 DISSIPATER & INTERNAL PUMPOUT		Pacheco Creek	176,271	23,564	2	3.3	12	15.3	2.18	Pumpout Assumptions: - 4 hrs for equipment delivery, appurtenance disassembly and equipment set-up - 7 hr onsite work day and 2 cfs pump rate - 4 hrs for appurtenance disassembly/transition equipment from dissipater to pipe - 4 hrs of equipment break-down & removal
PC#18 DISSIPATER & INTERNAL PUMPOUT		Pacheco Creek	528,640	70,669	2	9.8	14	23.8	3.40	Pumpout Assumptions: - 4 hrs of equipment delivery and set-up for dissipater pumpout - 7 hr onsite work day and 2 cfs pump rate - 6 hrs for appurtenance disassembly/transition equipment from dissipater to pipe - 4 hrs of equipment break-down & removal
PC#20 DISSIPATER & INTERNAL PUMPOUT		Pacheco Creek	93,511	12,501	1	3.5	14	17.5	2.50	Pumpout Assumptions: - 4 hrs of equipment delivery and set-up for dissipater pumpout - 6 hrs for equipment delivery, appurtenance disassembly and equipment set-up - 7 hr onsite work day and 1 cfs pump rate - 4 hrs of equipment break-down & removal
PC#22 GRAVITY DRAIN DISSIPATER & INTERNAL PUMPOUT		Pacheco Creek	177,472	23,725	1	6.6	16	22.6	3.23	Drainage and Pumpout Assumptions: - Screen installed prior to gravity drain - 6 hrs of equipment delivery and set-up for dissipater pumpout - 7 hr onsite work day and 1 cfs drain/pump rate - 6 hrs for appurtenance disassembly/transition equipment from dissipater to pipe - 4 hrs of equipment break-down & removal
PC#24 INTERNAL PUMPOUT		Pacheco Creek	791,961	105,870	1	29.4	10	39.4	5.63	Pumpout Assumptions: - 6 hrs for equipment delivery, appurtenance disassembly and equipment set-up - 7 hr onsite work day and 1 cfs pump rate - 4 hrs of equipment break-down & removal
PC#26 INTERNAL PUMPOUT		Pacheco Creek	557,657	74,548	2	10.4	8	18.4	2.62	Pumpout Assumptions: - 4 hrs for equipment delivery, appurtenance disassembly and equipment set-up - 7 hr onsite work day and 2 cfs pump rate - 4 hrs of equipment break-down & removal
PC#28 INTERNAL PUMPOUT		Pacheco Creek	186,802	24,972	2	3.5	8	11.5	1.64	Pumpout Assumptions: - 4 hrs for equipment delivery, appurtenance disassembly and equipment set-up - 7 hr onsite work day and 2 cfs pump rate - 4 hrs of equipment break-down & removal
PC#2 GRAVITY DRAIN DISSIPATER & INTERNAL PUMPOUT		South Fork Pacheco Creek	469,491	62,762	2	8.7	10	18.7	2.67	Drainage and Pumpout Assumptions: - Screen installed prior to gravity drain - Dissipater pumpout equipment setup prior to gravity drain - 7 hr onsite work day and 2 cfs drain/pump rate - 6 hrs for appurtenance disassembly/transition equipment from dissipater to pipe - 4 hrs of equipment break-down & removal
PC#4 GRAVITY DRAIN DISSIPATER & INTERNAL PUMPOUT		South Fork Pacheco Creek	988,617	132,159	2	18.4	14	32.4	4.62	Drainage and Pumpout Assumptions: - Screen installed prior to gravity drain - 4 hrs of equipment delivery and set-up for dissipater pumpout - 7 hr onsite work day and 2 cfs drain/pump rate - 6 hrs for appurtenance disassembly/transition equipment from dissipater to pipe - 4 hrs of equipment break-down & removal
PC#6 GRAVITY DRAIN DISSIPATER & INTERNAL PUMPOUT		South Fork Pacheco Creek	828,527	110,758	2	15.4	12	27.4	3.91	Drainage and Pumpout Assumptions: - Screen installed prior to gravity drain - 4 hrs of equipment delivery and set-up for dissipater pumpout - 7 hr onsite work day and 2 cfs drain/pump rate - 4 hrs for appurtenance disassembly/transition equipment from dissipater to pipe - 4 hrs of equipment break-down & removal
PC#8 INTERNAL PUMPOUT		South Fork Pacheco Creek	215,507	28,809	1	8.0	10	18.0	2.57	Pumpout Assumptions: - 6 hrs for equipment delivery, appurtenance disassembly and equipment set-up - 7 hr onsite work day and 1 cfs pump rate - 4 hrs of equipment break-down & removal
PC#10 GRAVITY DRAIN DISSIPATER & INTERNAL PUMPOUT		Pacheco Creek	821,706	109,846	2	15.3	12	27.3	3.89	Drainage and Pumpout Assumptions: - Screen installed prior to gravity drain - 4 hrs of equipment delivery and set-up for dissipater pumpout - 7 hr onsite work day and 2 cfs drain/pump rate - 4 hrs for appurtenance disassembly/transition equipment from dissipater to pipe - 4 hrs of equipment break-down & removal
CCP POLYJET DRAINAGE	1	COYOTE CREEK (As Recharge)	15,482,679	2,069,739	6	95.8	0	95.8	3.99	24 hr/day drain time at 6 cfs.
TOTAL DISCHARGE			42,771,905 GAL							
DISCHARGE TO SAN LUIS RESERVIOR			1,180,633 GAL							
DISCHARGE TO COYOTE PLOYJET			15,482,679 GAL							
DISCHARGE TO CREEKS			26,108,593 GAL							