

Water Quality Monitoring for San Joaquin River Seepage Management Projects

Water Quality Assessment and Quality Assurance Summary

Sample Collection: May, 2013



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US Bureau of Reclamation
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Introduction

This report summarizes results from the chemical analysis of a suite of water samples collected in May 2013 by the United States Bureau of Reclamation (Reclamation) Environmental Monitoring Branch (MP-157), under contract to the San Joaquin River Restoration Program (SJRRP). Data presented here are the results of the second sampling event conducted under the San Joaquin River (SJR) Seepage Management Project – Seepage Control Program (SCP). The SCP is intended to be a two-year water quality monitoring program that will help establish the existing (baseline) quality of SJR surface water in the vicinity of SJR Reach 3 and Reach 4, surface water within irrigation canals that are potential receiving bodies for SJR seepage, and ground water in lands adjacent to the study reaches (SJR Reach 3 and Reach 4).

Ground and surface water samples were collected May 28 through May 30, 2013. . Sample collection was intended to occur after the annual SJRRP "Spring Pulse" flows arrived in the study area and SJR seepage had likely intermixed with pre-existing ground water. However similar to the December 2012 sampling event, pulse flows did not travel further downstream than Sack Dam (K. Harrison, pers. comm., May 2013) and sample results therefore reflect water unaffected by SJRRP-managed peak flows.

Analytical results are compared here with the water quality (WQ) standards indicated in the project Quality Assurance Project Plan or QAPP (Reclamation, 2012a). Data presented in this report will be combined with past (December 2012) and future monitoring results to establish baseline water quality data for the SJR and for some irrigation canals within the study area. Baseline data will be used to help determine how increased flows in the SJR might affect water quality in nearby wells and to determine whether potential SJR seepage water could be released to irrigation canals without negatively impacting existing canal water quality.

This data set will also be used to identify potential modifications to the current sampling program.

Sample Collection

Sample collection methods are described in detail in the project QAPP (Reclamation, 2012a).

Sample collection locations, sample identification codes, and field notes are summarized in Table 1. 23 of the 27 planned ground water wells were successfully sampled; at four wells, samples could not be collected due to insufficient water volume. In addition, one of the five irrigation canals identified in the project QAPP was dry and could not be sampled.

Analytical Methods

Analyses were performed by the analytical laboratories under contract to MP-157 in accordance with the analytical methods specified in the project QAPP (Reclamation, 2012a).

Quality Control and Quality Assurance Methods

The quality of the data presented in this report has been evaluated through two independent processes. Under the quality control (QC) process, chemical analyses were performed and evaluated by the contract analytical laboratories in accordance with the QC procedures established within the applicable analytical methods. Under the quality assurance (QA) process, data quality was evaluated by MP-157 personnel following the procedures summarized in the QA summary report associated with this sampling event (Appendix A), the project QAPP (Reclamation, 2012a), and the USBR Standard Operating Procedures for Quality Assurance 2009-05 (Reclamation, 2012b).

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Table 1 Sample Collection Summary – Sites, Locations, Sample IDs and Notes

Site Name	Matrix	Latitude (N)	Longitude (W)	Sample ID	December 2012 Event Notes	May 2013 Event Notes
All Sites						1638 bottles were briefly removed from double bags while at the USBR laboratory
Columbia Canal at Eastside Dr	SW	36° 50' 25.97"	120° 24' 34.69"	SCP037	Canal dry, not sampled	
Drain Sump L-36	GW	37° 10' 16.56"	120° 39' 52.23"	SCP053		
Drain Sump L-43	GW	37° 09' 25.87"	120° 37' 04.47"	SCP055	Not sampled. Hydrocarbon-like fluid was dripping from the sump motor into the sump vault.	
Drain Sump L-49	GW	37° 07' 40.42"	120° 35' 28.75"	SCP058	Not sampled, access issue due to sump configuration. Bring 1 L container next time.	Water samples unavoidably in contact with clean nitrile gloves during collection
Drain Sump L-50	GW	37° 08' 32.64"	120° 36' 04.19"	SCP057		
Eastside Bypass at El Nido Rd	SW	37° 07' 40.18"	120° 35' 17.28"	--	Canal dry, not sampled	Canal dry, not sampled
Lonetree ID Canal at El Nido Rd	SW	37° 07' 40.25"	120° 34' 51.68"	SCP049	Canal dry, not sampled	
Nickel N. Drain Sump - E. Drain	GW	37° 06' 11.62"	120° 35' 20.33"	SCP062		
Nickel N. Drain Sump - N. Drain	GW	37° 06' 11.62"	120° 35' 20.33"	SCP060		
Nickel N. Drain Sump - S. Drain	GW	37° 06' 11.62"	120° 35' 20.33"	SCP061		
Nickel S. Drain Sump	GW	37° 05' 41.05"	120° 34' 40.44"	SCP059		No visible water flow.
Poso Canal at Valeria Avenue	SW	36° 58' 55.89"	120° 3 0'03.22"	SCP042	Canal dry, not sampled	
Riverside Canal at Willis Rd	SW	37° 05' 22.11"	120° 34' 19.76"	SCP063	Canal dry, not sampled	
San Joaquin River at Sack Dam	SW	36° 59' 01.08"	120° 30' 01.64"	SCP041		
Sand Slough at El Nido Rd	SW	37° 07' 40.62"	120° 36' 05.24"	SCP047		
Well MW-09-85B	GW	37° 03' 23.05"	120° 32' 57.91"	--	Well dry, not sampled	Well dry, not sampled
Well MW-10-89	GW	37° 01' 40.54"	120° 32' 39.82"	SCP046		
Well MW-10-90	GW	37° 07' 42.19"	120° 35' 05.48"	SCP050		
Well MW-10-94	GW	37° 08' 58.35"	120° 35' 05.17"	SCP052		
Well MW-11-149	GW	37° 03' 55.36"	120° 33' 24.58"	SCP065		
Well MW-11-150	GW	36° 58' 12.59"	120° 29' 10.00"	SCP045		
Well MW-12-165	GW	37° 06' 46.68"	120° 35' 11.29"	SCP067		
Well MW-12-166	GW	37° 06' 46.25"	120° 33' 53.16"	-		Well dry, not sampled
Well MW-12-169	GW	37° 06' 23.79"	120° 35' 09.80"	SCP066		
Well MW-12-170	GW	37° 10' 16.98"	120° 39' 00.87"	SCP054	Not sampled, no access due to rain	
Well MW-12-172	GW	37° 08' 32.50"	120° 36' 05.06"	SCP056	Active spraying in adjacent fields at time of sampling	
Well MW-12-174	GW	37° 08' 12.60"	120° 35' 04.53"	SCP051		
Well MW-12-177	GW	37° 06' 45.89"	120° 34' 42.28"	SCP068		
Well MW-12-178	GW	37° 04' 37.96"	120° 33' 51.76"	-	Well mislabeled 12-180, corrected label on well head	Well dry, not sampled
Well MW-12-181	GW	36° 58' 28.59"	120° 29' 40.27"	-		Well dry, not sampled
Well MW-12-183	GW	36° 58' 53.82"	120° 30' 01.23"	SCP043		
Well MW-12-185	GW	36° 49' 28.63"	120° 24' 08.64"	SCP040		
Well MW-12-190	GW	36° 50' 11.20"	120° 25' 00.98"	SCP038	Well uncapped when arrived at site	
Well MW-12-191	GW	36° 50' 35.27"	120° 25' 39.18"	SCP039	Well dry, not sampled	

Results of Physical Measurements and Laboratory Analyses

For all samples, physical characteristics (temperature, turbidity, pH, EC) and results of inorganic analyses are shown in Appendix B. Results of all organic analyses, including "non-detect" results, are shown in Appendix C.

Water Quality Evaluation

For purposes of this investigation, water quality has been evaluated by targeting chemicals that could affect the suitability of SJR or local canal water for agricultural use and/or the health of exposed fish and wildlife. In addition, selected analytes were targeted to include chemicals with a potential source, and those that are associated with the water quality standards discussed in the project QAPP (Reclamation, 2012a).

Water quality standards chosen for this study include standards with objectives for the protection of agricultural uses (Agricultural Goals and Irrigation Suitability Limits), the protection of fresh water aquatic life (National Toxics Rules, California Toxics Rules and National Recommended Water Quality Criteria), and/or protections with specific application to the San Joaquin River Basin (Basin Plan standards). Note: Each WQ standard is comprised of an "objective" and an associated numeric value (limit) which quantifies the range of concentrations of a chemical that can be present within water and still be unlikely to have negative impacts to the specified protection.

The WQ criteria used to evaluate the analytical results of this study are presented in Appendix D. Appendix E gives a brief narrative explanation of the standards, their sources, and legal implications. Water quality data results and their respective reporting limits are summarized in tables found in Appendix B and C. For comparison, results and associated reporting limits from the December 2012 sampling event are also included. It is important to note that in some cases, listed WQ criteria is only applicable to May 2013 results (e.g. Standards based on hardness or site specific temperature and pH readings).

For ease of data interpretation, applicable WQ standards are paired with the analytical results shown in data results tables (Appendix B and C). Data results and corresponding reporting limits from the December 2012 sampling event are also included for comparison purposes.

Although many analytes are associated with more than one applicable WQ standard, only the most restrictive standard is presented in the results tables. For example, chloride (Cl) is limited to concentrations below 230 mg/L by the NRWQC-Continuous Concentration (NRWQC-CC) objective and 860 mg/L by the NRWQC-Maximum Concentration (NRWQC-MC) objective while the Agricultural Goals and Irrigation Suitability Objectives establish an upper limit for Cl at 106 mg/L. Although there are three applicable standards for Cl, the results tables in Appendix B list only the Irrigation Suitability/Ag criteria.

Results Compared with Applicable Water Quality Limits

Inorganic Constituents in Ground Water

As shown in Table 2, all of the ground water samples contained some inorganic analytes at concentrations exceeding applicable WQ limits for the protection of agricultural uses and only two samples did not exceed any WQ limits for the protection of fresh water aquatic life.

WQ limits for the protection of agriculture uses were exceeded in more than 70% of the well and drain samples examined for Cl⁻ and Na. Specific conductance, TDS, and NO₃⁻ exceeded agricultural limits in 65% or more samples (Table 3).

The Basin Plan (BP) standard for Arsenic (As) was exceeded in 43% of the ground water samples; BP standards for Cu, Zn, and Mo was exceeded in one, two, and four wells respectively. BP limits for As, Cu and Zn apply to "dissolved" concentrations. For this study, samples were not filtered prior to analysis and metals concentrations are reported as total concentrations. Total concentrations are likely to be higher than dissolved concentrations so it is possible that As, Cu and Zn concentrations meet BP limits for dissolved metals.

Aluminum (Al) concentrations exceeded NRWQC-CC (chronic exposure) standards for the protection of fresh water aquatic life (FWAL) in 15 ground water wells and drains. In 11 of these samples, Al concentrations also exceeded NRWQC-IM standards for acute exposure and at 4 ground water sampling locations, Al also exceeded the less restrictive agricultural standard. NRWQC-CC standards for Cl⁻ were exceeded in 13 samples and 4 of these samples also exceeded the NRWQC-IM standard for acute exposure. Cu and Zn each exceeded NRWQC-CC "total" metals standards for chronic exposure in 1 and Pb exceeded the standard in 2 samples.

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Table 2 Site Summary of Analytes Exceeding WQ Standards

Site Name	Sample ID	Matrix	Analytes Exceeding WQ Standards												Number of Analytes Exceeding Limits			
			AI	As	Cl	Cu	EC	Pb	Mo	NO3	Na	TDS	Zn	AG	BP	FWAL	Total	
Well MW-12-190	SCP038	GW												1	1	2	4	
Well MW-12-191	SCP039	GW												2	2	4	8	
Well MW-12-185	SCP040	GW												1	2	1	4	
Well MW-12-183	SCP043	GW												1	1	1	3	
Well MW-11-150	SCP045	GW												0	1	1	2	
Well MW-10-89	SCP046	GW												2	1	1	4	
Well MW-10-90	SCP050	GW												5	4	2	11	
Well MW-12-174	SCP051	GW												4	1	2	7	
Well MW-10-94	SCP052	GW												4	2	2	8	
Drain Sump L-36	SCP053	GW												2	3	1	6	
Well MW-12-170	SCP054	GW												3	1	2	6	
Drain Sump L-43	SCP055	GW												5	3	1	9	
Well MW-12-172	SCP056	GW												5	2	1	8	
Drain Sump L-50	SCP057	GW												4	2	1	7	
Drain Sump L-49	SCP058	GW												4	2	0	6	
Nickel South Drain Sump	SCP059	GW												4	1	1	6	
Nickel North Drain Sump - North (inland) Drain	SCP060	GW												4	2	1	7	
Nickel North Drain Sump - South (inland) Drain	SCP061	GW												4	1	1	6	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	GW												4	2	0	6	
Well MW-11-149	SCP065	GW												3	3	1	7	
Well MW-12-169	SCP066	GW												4	1	2	7	
Well MW-12-165	SCP067	GW												4	1	2	7	
Well MW-12-177	SCP068	GW												4	1	2	7	
Columbia Canal at Eastside Drive	SCP037	SW												0	1	1	2	
San Joaquin River at Sack Dam	SCP041	SW												0	1	1	2	
Poso Canal at Valeria Ave	SCP042	SW												1	1	1	3	
Sand Slough at El Nido Road	SCP047	SW												4	2	2	8	
Lonetree ID Canal at El Nido Road	SCP049	SW												4	2	1	7	
Riverside Canal at Willis Road	SCP063	SW												1	1	1	3	

Fresh Water Aquatic Life Protection Basin Plan
 Irrigation Suitability and Ag

Table 3 Inorganic Constituents Failing to Meet WQ Objectives

Analytes with Concentrations Exceeding Water Quality Limits for Specified WQ Objectives	Number of Sites in which Analyte Concentrations Failed	
	Ground Water Wells and Drains (n=23)	Surface Water Sites (n=6)
Irrigation Suitability and/or Agriculture Standards		
Aluminum	4	-
Chloride	17	2
Molybdenum (Mo)	4	-
Nitrate (NO ₃)	15	2
Sodium (Na)	19	4
Specific Conductance (EC)	16	2
Total Dissolved Solids (TDS)	15	2
Basin Plan Standards		
Arsenic (As)	10	2
Copper	1	-
Molybdenum	4	-
Zinc	2	-
Fresh Water Aquatic Life Standards		
Aluminum (Al)	15	6
Chloride (Cl)	13	1
Copper (Cu)	1	-
Lead (Pb)	2	-
Zinc (Zn)	1	-

Organic Constituents in Ground Water

Data results of organics chemical analysis are consistent with results from the December 2012 sampling event, with the exception of Disulfoton, a broad-spectrum organophosphate insecticide. Of the 119 organic constituents that were analyzed for this study (Appendix C), 80 did not have an associated WQ standard, 29 had concentrations below WQ standards, 1 had concentrations exceeding WQ standards at two sites and 10 could not be evaluated with respect to one or more applicable standards due to limitations of laboratory instrument sensitivity (Table 4A). It is important to note that these 10 analytes returned “non-detect” results, but were analyzed with reporting limits above applicable WQ standards. This could result in an exceedance of an applicable water quality standard while appearing to be a “non-detect”. For example, in all samples, Heptachlor was not detected above 0.01 µg/L (the reporting limit for this analyte); however the water quality standard (CTR-CC) for Heptachlor is 0.0038 µg/L. If a sample

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were to contain Heptachlor at a concentration between 0.0038 µg/L and 0.01 µg/L, it would not be detected but would exceed the CRT-CC limit.

Disulfoton exceeded the NRWQC-IM standard of 0.05 ug/l at two well locations, Drain Sump L-36 and MW-11-150, with concentrations of 0.28 ug/l and 0.67 ug/l respectively. At the remaining sampling locations Disulfoton was not detected above 0.1 ug/l (the reporting limit for this analyte) and subsequently could not be compared to the NRWQC-IM standard of 0.05 ug/l. There were no detections above the RL for Disulfoton at Drain Sump L-36 and MW-11-150 during the December 2012 sampling event.

As shown in Table 4A, Azinphosmethyl, Disulfoton (at 27sites), Ethion, Parathion and Permethrin could not be evaluated for any of the applicable WQ standards. Heptachlor, Heptachlor Epoxide, and Toxaphene meet the CTR criteria for acute exposure, but cannot be evaluated for the more restrictive CTR chronic exposure limits. Alpha-chlordane and Gamma-chlordane are part of a mix of over 100 compounds that make up technical chlordane. These compounds meet the CTR criteria for acute exposure to technical chlordane but they cannot be evaluated for the more restrictive chronic exposure limit.

In addition to Disulfoton, four other organic chemicals were detected at levels above reporting limits but within WQ limits or did not have associated WQ standards. As shown in Table 5, Bis phthalate, an organic insecticide, a byproduct of PVC manufacture, was detected in MW-12-170 a site not previously sampled. Contrary to the December 2012 sampling event, Bis phthalate was no longer detectable in MW-12-169, MW-12-172, MW-12-174, MW-12-181, or MW-12-183. Diethyl phthalate, Methoxychlor, and Trifluralin were all detected in the Nickel South drain sump. At the time of sampling, field personnel observed that the water level and aesthetic appearance of the Nickel South drain sump seemed to indicate the sump was rarely in use. A water sample was collected but it was unclear if the sample is representative of surrounding drainage area.

Inorganic and Organic Constituents in Surface Water

A total of six surface water samples (Table 6) were studied during this round of sampling, four of which were not sampled during the December 2012 event. These sites included two sampling locations representative of SJR origin surface water and four irrigation canals within the study region. The irrigation canal locations were: Columbia Canal at Eastside Dr, Poso Canal at Valeria Ave, Riverside Canal at Willis Rd, and Lonetree ID Canal at El Nido Rd. SJR origin sites are: SJR at Sack Dam and Sand Slough at El Nido Rd.

Consistent with the December 2012 sampling event, organic constituents were not detected in any of the surface water samples.

Standards for the protection of agricultural uses were exceeded in the Sand Slough and Lonetree ID Canal for Cl⁻, NO₃⁻, Na, EC, and TDS (Table 2 and Table 3). Riverside Canal at Willis Road and Poso Canal at El Nido Road exceeded the standard for Na.

Basin Plan limits for As exceeded in the Sand Slough and Lonetree ID Canal at El Nido Rd samples; no BP standards were exceeded in the remaining four surface water samples.

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Fresh water aquatic life standards were exceeded for Al in all six of the surface water sites. The Sand Slough, Lonetree ID canal, Poso Canal, Riverside Canal sample exceeded both the NRWQC-CC and NRWQC-IM standards; only the NRWQC-CC standard was exceeded in the Sack Dam and Columbia Canal sample. In addition, the Sand slough sample also exceeded the NRWQC-CC standard for Cl⁻.

As shown in Table 6, SJR water collected at Sack Dam generally contained chemical analytes in lower concentration than water collected from Sand Slough. However, concentrations of Se, and B appeared to be higher at Sack Dam than in water collected from Sand Slough.

Summary

Generally, data results from this second round of sampling were consistent with the SCP sampling conducted in December 2012. Results suggested that the SJR water quality is typically better than the quality of water sampled from the drains, monitoring wells, and canals located in the northern region of the sampling area.

Significantly, Disulfoton greatly exceeded the water quality standard for the protection of aquatic wildlife (NRWQC-IM) at two wells (MW-11-150 and Drain Sump L-36). Disulfoton was not detected in these wells in the 2012 sampling event, possibly due to reporting limit restrictions. Disulfoton concentrations should continue to be monitored in these and other nearby wells to gather further information on the extent of potential Disulfoton contaminations.

Although the intent and original design of this study was to sample during Spring Pulse flows, at the time of collection actual flows in the SJR were low and there was no significant SJR seepage entering the sampling area. As a result, data from this study should serve as an additional baseline set and should characterize

Potential Modifications to the Sampling Plan

Prior to this sampling event, it was recommended that all organic analysis be discontinued because sampling sites appeared not to contain significant concentrations of organic chemicals. However, considering the elevated concentrations of Disulfoton and detections of additional analytes as compared to last year's event, organics analysis should be a component of future monitoring efforts.

Dissolved metals concentrations are measured from filtered samples. Water quality limits for dissolved metals are lower than limits for total metals, which are measured in unfiltered samples. Because some of the unfiltered samples analyzed for this study exceeded limits for dissolved metals, MP-157 recommends analysis of dissolved metals for at least one round of sampling. Analysis of dissolved metals will help quantify the fraction of metals that are in the dissolved (ionic) state and determine whether or not that dissolved fraction exceeds the dissolved WQ limit.

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Table 4A Water Quality Summary – Organic Constituents

Analytes with Concentrations within Applicable WQ Limits (n = 29)		
ACENAPHTHENE	ATRAZINE	MALATHION
ALACHLOR	CHLORPYRIFOS	METHOXYCHLOR
ALDRIN	DEMETON	METOLACHLOR
AROCLOR 1016	DIAZINON	METRIBUZIN
AROCLOR 1221	DIELDRIN	MOLINATE
AROCLOR 1232	DIMETHYL PHTHALATE	PENTACHLOROPHENOL
AROCLOR 1242	DI-N-BUTYL PHTHALATE	PROPACHLOR
AROCLOR 1248	ENDOSULFAN I	SIMAZINE
AROCLOR 1254	ENDRIN	THIOBENCARB
AROCLOR 1260	GAMMA-BHC (LINDANE)	
Analytes with Concentrations outside Applicable WQ Limits (n = 1)		
DISULFOTON (2 sites)		
Constituents Analyzed that do not have Applicable WQ Standard (n = 80)		
2,4-DINITROTOLUENE	DIBENZ(A,H)ANTHRACENE	ISOPROTURON
2,6-DINITROTOLUENE	DIBROMOCHLOROPROPANE	LINURON
4,4'-DDD	DICHLORVOS	MERPHOS
4,4'-DDE	DIETHYL PHTHALATE	METAZACHLOR
4,4'-DDT	DIMETHOATE	METOXURON
ACENAPHTHYLENE	DI-N-OCTYL PHTHALATE	MEVINPHOS
ACETOCHLOR	DIURON	NALED
ANTHRACENE	ENDOSULFAN II	NAPHTHALENE
BENZ(A)ANTHRACENE	ENDOSULFAN SULFATE	PARATHION, ETHYL
BENZO(A)PYRENE	ENDRIN ALDEHYDE	PARATHION, METHYL
BENZO(B)FLUORANTHENE	ENDRIN KETONE	PENDIMETHALIN
BENZO(G,H,I)PERYLENE	EPN	PHENANTHRENE
BENZO(K)FLUORANTHENE	EPTC	PHORATE
BIS(2-ETHYLHEXYL) PHTHALATE	ETHOPROP	PROPANIL
BIS(2-ETHYLHEXYL)ADIPATE	ETHYLENE DIBROMIDE	PYRENE
BOLSTAR	FENSULFOOTHION	PYRIPROXYFEN
BROMACIL	FENTHION	RONNEL
BUTACHLOR	FLUORANTHENE	STIOPHOS
BUTYL BENZYL PHTHALATE	FLUORENE	SULFOTEP
CAFFEINE	HCH-ALPHA	TEBUTHIURON
CHLOROBENZILATE	HCH-BETA	TERBACIL
CHLORONEB	HCH-DELTA	TERBUTHYLAZINE
CHLOROTHALONIL	HEPTACHLOR EPOXIDE (ISOMER B)	TOKUTHION
CHLORTOLURON	HEXACHLOROBENZENE	TRANS-NONACHLOR
CHRYSENE	HEXACHLOROCYCLOPENTADIENE	TRICHLORONATE
COUMAPHOS	INDENO(1,2,3-CD)PYRENE	TRIFLURALIN
DEF	ISOPHORONE	
Analytes with WQ Standards that could not be Evaluated		
Analyte (n=10)	WQ Standard	
AZINPHOSMETHYL, DISULFOTON (27 sites), ETHION	NRWQC-IM	
CHLORDANE-ALPHA AND GAMMA	CTR-CC (meets CTR-IM)	
HEPTACHLOR, HEPTACHLOR EPOXIDE	CTR-CC (meets CTR-IM)	
PARATHION	NRWQC-CC, NRWQC-MC	
PERMETHRIN (TOTAL)	NRWQC-MC	
TOXAPHENE	CTR-CC (meets CTR-MC)	

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Table 4B Water Quality Summary – Inorganic Constituents

Analytes with Concentrations within Applicable WQ Limits (n = 9)	
ALKALINITY	NICKEL
AMMONIA AS N	pH
BICARBONATE AS CACO ₃	SELENIUM
BORON	CADMIUM (21 sites)
MERCURY	
Analytes with Concentrations outside of Applicable WQ Limits (n = 11)	
ALUMINUM	MOLYBDENUM
ARSENIC	NITRATE AS NO ₃ (DISSOLVED)
CHLORIDE (DISSOLVED)	SODIUM
COPPER	TDS
Electrical Conductivity	ZINC
LEAD	
Constituents Analyzed that do not have Applicable WQ Standard (n = 11)	
CALCIUM	SODIUM ABSORPTION RATIO
CARBONATE AS CACO ₃	SULFATE (DISSOLVED)
HARDNESS	TEMPERATURE
MAGNESIUM	TKN
ORTHOPHOSPHATE AS PO ₄ (DISSOLVED)	TURBIDITY
POTASSIUM	
Analytes Not Evaluated for Specified WQ Standards (n=1)	
CADMIUM (7 sites)	

Table 5 Detected Organic Constituents

Sample ID	Analyte	Units	RL	Result	Quality Limit	Objective
SCP054	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	0.63	-	-
SCP059	DIETHYL PHTHALATE	ug/l	0.5	0.77	-	-
SCP053	DISULFOTON	ug/l	0.1	0.28	0.05	NRWQC - IM
SCP045	DISULFOTON	ug/l	0.1	0.67	0.05	NRWQC - IM
SCP059	METHOXYPHENYL CHLORIDE	ug/l	0.01	0.01	0.03	NRWQC - IM
SCP059	TRIFLURALIN	ug/l	0.1	0.29	-	-

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Table 6 Analyte Concentrations in Surface Water

Analyte	Units	SJR Origin Water		Irrigation Canals			
		SJR at Sack Dam (SCP-024)	Sand Slough at El Nido Rd (SCP-047)	Columbia Canal at Eastside Dr (SCP-037)	Poso Canal at Valeria Ave (SCP-042)	Riverside Canal at Willis Rd (SCP-063)	Lonetree ID Canal at El Nido Rd (SCP-049)
ALKALINITY	mg/l	79.00	220.00	58.00	88.00	90.00	150.00
ALUMINUM	ug/l	540.00	2900.00	350.00	2200.00	2300.00	870.00
AMMONIA AS N	mg/l	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
ARSENIC	ug/l	2.10	15.00	2.00	3.90	4.70	16.00
BICARBONATE AS CACO ₃	mg/l	79.00	210.00	58.00	88.00	90.00	150.00
BORON	ug/l	250.00	92.00	150.00	260.00	250.00	59.00
CADMIUM	ug/l	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
CALCIUM	mg/l	26.00	73.00	10.00	35.00	38.00	48.00
CARBONATE AS CACO ₃	mg/l	< 2	6.90	< 2	< 2	< 2	< 2
CHLORIDE (DISSOLVED)	mg/l	87.00	270.00	47.00	95.00	100.00	210.00
COPPER	ug/l	2.10	4.00	2.10	4.20	3.80	1.90
Specific Conductance (EC)	µS/cm	532.00	1287.00	313.00	621.00	689.00	938.00
HARDNESS	mg/l	126.66	326.34	46.37	161.48	168.97	185.71
LEAD	ug/l	0.35	0.87	0.45	1.20	1.00	0.29
MAGNESIUM	mg/l	15.00	35.00	5.20	18.00	18.00	16.00
MERCURY	ng/l	3.80	3.80	< 2	15.00	8.90	2.20
MOLYBDENUM	ug/l	1.80	12.00	2.50	2.20	2.70	7.30
NICKEL	ug/l	2.00	3.90	0.60	5.40	4.00	1.30
NITRATE AS NO ₃ (DISSOLVED)	mg/l	3.10	17.00	< 0.5	3.90	3.80	6.40
ORTHOPHOSPHATE AS PO ₄	mg/l	< 0.6	< 1.2	< 0.6	< 0.6	< 0.6	< 0.6
pH	units	8.10	8.40	8.00	8.00	8.00	8.40
POTASSIUM	mg/l	3.00	3.30	1.70	3.60	3.50	5.10
SELENIUM	ug/l	0.70	< 0.4	< 0.4	0.60	0.50	< 0.4
SODIUM	mg/l	61.00	160.00	48.00	76.00	76.00	130.00
SODIUM ABSORPTION RATIO ⁶	-	2.35	3.84	3.05	2.59	2.53	4.14
SULFATE (DISSOLVED)	mg/l	59.00	80.00	29.00	66.00	67.00	35.00
TDS	mg/l	310.00	770.00	200.00	360.00	370.00	540.00
TEMPERATURE	°C	21.80	23.70	23.50	21.90	19.80	22.60
TKN	mg/l	< 0.5	< 0.5	< 0.5	0.50	0.57	0.82
TURBIDITY	NTU	13.60	93.60	11.60	54.20	49.50	28.70
ZINC	ug/l	< 20	22.00	< 20	< 20	< 20	< 20

Results highlighted in blue indicate the greatest concentration and results highlighted in green indicate the lowest concentration at the six surface water sites above

Reference Citations

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Reclamation, 2012a, *Water Quality Monitoring for San Joaquin River Seepage Management Projects – Quality Assurance Project Plan*, prepared by Laura Benninger, United States Bureau of Reclamation, Mid Pacific Region, Division of Environmental Affairs, November, 55p plus appendices.

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Appendix A

Quality Assurance Summary Report

**Results for External Quality Assurance Samples
Incorporated by the Environmental Monitoring Branch**

Samples for the San Joaquin River - Seepage Control Study were collected on 12/11/12, 12/12/12, and 12/13/12. The Quality Assurance (QA) section of the Environmental Monitoring Branch (EMB) incorporated QA samples with the field samples to assess the laboratory's ability to generate valid data. Agriculture & Priority Pollutants Laboratories (APPL) analyzed alkalinity, anions, cations, metals (excluding low level cadmium, low level mercury, & selenium), nutrients, organo-chlorine pesticides, organo-phosphorus pesticides, and total dissolved solids (TDS). Eurofins analyzed dibromochloropropane (DBCP), ethyl dibromide (EDB), semi-volatile organic compounds, and sulfonyl urea compounds. Basic Laboratory (Basic) analyzed low level cadmium and low level mercury. South Dakota Agricultural Laboratories (SD Ag) analyzed selenium.

The EMB's QA section reviewed and validated the QA sample results as well as the laboratory Quality Control sample results. The QA calculations have been performed on data directly from the analytical report; data from the analytical report may have been rounded upon being entered into the database which may be reflected in the tables below. The summary of the QA review is discussed below.

Precision - External QA Samples

Environmental samples were incorporated in duplicate to assess precision. All parameters assessed for precision demonstrated differences within the QA acceptance limits. For results greater than or equal to five times the reporting limit (RL), the acceptance limit is less than or equal to 20% relative percent difference (RPD) between the results. For results less than five times the RL, the difference between the results must be within one RL.

Duplicate sample (SCP-005 and SCP-008) results for the bracket SCP-001 through SCP-009

Parameter	Duplicate 1 Result	Duplicate 2 Result	Percent RPD or Difference	Acceptance Criteria	RL
ALKALINITY	400	390	1.3%	≤ 20% RPD	2
ALUMINUM	< 20	< 20	0	+/-RL	20
AMMONIA AS N	< 0.5	< 0.5	0.0	+/-RL	0.5
ARSENIC	22	23	5.4%	≤ 20% RPD	0.5
BICARBONATE AS CACO ₃	400	390	1.3%	≤ 20% RPD	2
BORON	62	66	4	+/-RL	25
CADMUM	< 0.10 T	< 0.10 T	0.00	+/-RL	0.1
CALCIUM	57	60	5.5%	≤ 20% RPD	1
CARBONATE AS CACO ₃	< 2.0	< 2.0	0.0	+/-RL	2.0
CHLORIDE (DISSOLVED)	210	210	0.97% RPD	≤ 20% RPD	10
COPPER	1.7	1.3	0.4	+/-RL	0.5
LEAD	< 0.2	< 0.2	0.0	+/-RL	0.2
MAGNESIUM	47	50	5.4%	≤ 20% RPD	0.5
MERCURY	8.5	8.0	0.5	+/-RL	2.0
MOLYBDENUM	23	25	6.2%	≤ 20% RPD	0.5
NICKEL	1.2	1.2	0.0	+/-RL	0.5
NITRATE AS NO ₃ (DISSOLVED)	12	12	1.7%	≤ 20% RPD	0.5
ORTHOPHOSPHATE AS PO ₄ (DISSOLVED)	< 0.6	< 0.6	0.0	+/-RL	0.6
POTASSIUM	< 0.5	< 0.5	0.0	+/-RL	0.5
SELENIUM	0.7	0.7	0.0	+/-RL	0.4
SODIUM	230	260	30	+/-RL	50
SULFATE (DISSOLVED)	110	110	0%	≤ 20% RPD	10
TDS	970	980	0.41%	≤ 20% RPD	20
TKN	0.57	0.53	0.04	+/-RL	0.5
ZINC	< 20	< 20	0	+/-RL	20

**Results for External Quality Assurance Samples
Incorporated by the Environmental Monitoring Branch**

Duplicate sample (SCP-010 and SCP-013) results for the bracket SCP-010 to 015 & SCP-019 to 023

Parameter	Duplicate 1 Result	Duplicate 2 Result	Percent RPD or Difference	Acceptance Criteria	RL
ALKALINITY	160	160	0%	≤ 20% RPD	2
ALUMINUM	37	38	1	+/-RL	20
AMMONIA AS N	< 0.5	< 0.5	0.0	+/-RL	0.5
ARSENIC	13	14	6.0%	≤ 20% RPD	0.5
BICARBONATE AS CACO ₃	160	160	0%	≤ 20% RPD	2
BORON	260	280	7.5%	≤ 20% RPD	25
CADMUM	< 0.10 T	< 0.10 T	0.00	+/-RL	0.1
CALCIUM	120	130	4.9%	≤ 20% RPD	1
CARBONATE AS CACO ₃	< 2.0	< 2.0	0.0	+/-RL	2.0
CHLORIDE (DISSOLVED)	150	150	0.65%	≤ 20% RPD	5
COPPER	2.3	2.5	0.2	+/-RL	0.5
LEAD	< 0.2	< 0.2	0.0	+/-RL	0.2
MAGNESIUM	19	21	7.0%	≤ 20% RPD	0.025
MERCURY	< 2.0	< 2.0	0.0	+/-RL	2.0
MOLYBDENUM	4.5	4.8	6.5%	≤ 20% RPD	0.5
NICKEL	1.2	1.3	0.1	+/-RL	0.5
NITRATE AS NO ₃ (DISSOLVED)	29	28	1.1%	≤ 20% RPD	0.5
ORTHOPHOSPHATE AS PO ₄ (DISSOLVED)	< 0.6	< 0.6	0.0	+/-RL	0.6
POTASSIUM	1.7	1.8	0.1	+/-RL	0.5
SELENIUM	1.2	1.2	0.0	+/-RL	0.4
SODIUM	100	110	5.7%	≤ 20% RPD	10
SULFATE (DISSOLVED)	120	120	0.86%	≤ 20% RPD	5
TDS	670	690	4.0%	≤ 20% RPD	10
TKN	< 0.50	< 0.50	0.00	+/-RL	0.50
ZINC	< 20	< 20	0	+/-RL	20

Duplicate sample (SCP-028 and SCP-031) results for the bracket SCP-016 to 018, 024, & 028 to 036

Parameter	Duplicate 1 Result	Duplicate 2 Result	Percent RPD or Difference	Acceptance Criteria	RL
ALKALINITY	270	270	1.5%	≤ 20% RPD	2
ALUMINUM	1000	940	10%	≤ 20% RPD	20
AMMONIA AS N	< 0.5	< 0.5	0.0	+/-RL	0.5
ARSENIC	22	22	0.46%	≤ 20% RPD	0.5
BICARBONATE AS CACO ₃	260	260	1.2%	≤ 20% RPD	2
BORON	94	93	1	+/-RL	25
CADMUM	< 0.10 T	< 0.10 T	0.00	+/-RL	0.1
CALCIUM	44	44	1.4%	≤ 20% RPD	1
CARBONATE AS CACO ₃	11	12	9.7%	≤ 20% RPD	2
CHLORIDE (DISSOLVED)	140	140	0%	≤ 20% RPD	5
COPPER	1.8	1.8	0.0	+/-RL	0.5
LEAD	0.30	0.29	0.01	+/-RL	0.2

**Results for External Quality Assurance Samples
Incorporated by the Environmental Monitoring Branch**

MAGNESIUM	33	33	1.2%	≤ 20% RPD	0.5
MERCURY	< 2.0	< 2.0	0.0	+/-RL	2

Duplicate sample (SCP-028 and SCP-031) results for the bracket SCP-016 to 018, 024, & 028 to 036 (cont.)

Parameter	Duplicate 1 Result	Duplicate 2 Result	Percent RPD or Difference	Acceptance Criteria	RL
MOLYBDENUM	17	17	0.60%	≤ 20% RPD	0.5
NICKEL	1.7	1.7	0.0	+/-RL	0.5
NITRATE AS NO ₃ (DISSOLVED)	6.4	6.5	1.6%	≤ 20% RPD	0.5
ORTHOPHOSPHATE AS PO ₄ (DISSOLVED)	< 0.6	< 0.6	0.0	+/-RL	0.6
POTASSIUM	1.1	1.1	0.0	+/-RL	0.5
SELENIUM	< 0.4	< 0.4	0.0	+/-RL	0.4
SODIUM	160	160	1.3%	≤ 20% RPD	10
SULFATE (DISSOLVED)	57	57	0.35%	≤ 20% RPD	5
TDS	620	610	0.98%	≤ 20% RPD	10
TKN	0.82	0.79	0.03	+/-RL	0.5
ZINC	< 20	< 20	0	+/-RL	20

Accuracy - External QA Samples

With the exception of ammonia as N, calcium, magnesium, low level mercury, selenium, and total dissolved solids (TDS), all the external QA blank spike and reference results were within the acceptable accuracy limits of 80 - 120% recovery or within the vendor's acceptance ranges for the references.

The ammonia as N result for SCP-011 had an unacceptably high recovery (137%). Although the spike demonstrated a possible high bias, the environmental (production) sample results in the bracket of samples SCP-010 to 015 and SCP-019 to 023 were less than the reporting limit. The results were accepted without qualification.

Upon reanalyzing sample SCP-011 for calcium and magnesium, the laboratory obtained reanalyzed results which confirmed the original results. As a result, all the original calcium and magnesium results for the bracket of samples SCP-010 to 015 & SCP-019 to 023 were accepted as valid.

Upon reanalyzing sample SCP-011 and SCP-029 for low level mercury, the laboratory obtained reanalyzed results which confirmed the original low level mercury results. As a result, all the original low level mercury results for the bracket of samples SCP-010 to 015 & SCP-019 to 023 and the bracket of samples SCP-016 to 018, 024, & 028 to 036 were accepted as valid.

Upon reanalyzing sample SCP-011 and SCP-029 for selenium, the laboratory obtained reanalyzed results which confirmed the original selenium results. As a result, all the original selenium results for the bracket of samples SCP-010 to 015 & SCP-019 to 023 and the bracket of samples SCP-016 to 018, 024, & 028 to 036 were accepted as valid.

Upon reanalyzing sample SCP-029 for TDS, the laboratory obtained a reanalyzed result which confirmed the original result. As a result, all the original TDS results for the bracket of samples SCP-016 to 018, 024, & 028 to 036 were accepted as valid.

Blank spike sample (SCP-006) results for the bracket SCP-001 through SCP-009

Parameter	Blank Spike Result	Blank Spike Concentration	Percent Recovery	Acceptance Criteria
ALUMINUM	170	169	98%	80 - 120%
AMMONIA AS N	2.2	2.6	85%	80 - 120%
ARSENIC	2.5	2.5	100%	80 - 120%
BORON	250	250	100%	80 - 120%
CADMUM	0.88 T	0.9	98%	80 - 120%

**Results for External Quality Assurance Samples
Incorporated by the Environmental Monitoring Branch**

CALCIUM	0.5	0.5	100%	80 - 120%
COPPER	3.3	3.1	106%	80 - 120%
LEAD	2.5	2.5	100%	80 - 120%

Blank spike sample (SCP-006) results for the bracket SCP-001 through SCP-009 (cont.)

Parameter	Blank Spike Result	Blank Spike Concentration	Percent Recovery	Acceptance Criteria
MAGNESIUM	0.26	0.25	104%	80 - 120%
MERCURY	9.8	12	82%	80 - 120%
MOLYBDENUM	3	3	100%	80 - 120%
NICKEL	6.6	6.3	105%	80 - 120%
NITRATE AS NO ₃ (DISSOLVED)	13	13.3	96%	80 - 120%
ORTHOPHOSPHATE AS PO ₄ (DISSOLVED)	9.9	10.5	94%	80 - 120%
POTASSIUM	5.1	5.0	102%	80 - 120%
SODIUM	5.3	5.0	105%	80 - 120%
TKN	2.5	2.6	96%	80 - 120%
ZINC	160	163	100%	80 - 120%

Reference sample (SCP-006) results for the bracket SCP-001 through SCP-009

Parameter	Reference Result	Reference Certified Value	Percent Recovery	Acceptance Criteria
ALKALINITY	35	35.3	100%	80 - 120%
CHLORIDE (DISSOLVED)	14	14.6	94%	80 - 120%
SELENIUM	2.8	3.13	90%	80 - 120%
SULFATE (DISSOLVED)	9.8	10	98%	80 - 120%
TDS	81	85	95%	80 - 120%

Blank spike sample (SCP-011) results for the bracket SCP-010 to 015 & SCP-019 to 023

Parameter	Blank Spike Result	Blank Spike Concentration	Percent Recovery	Acceptance Criteria
ALUMINUM	190	195	99%	80 - 120%
AMMONIA AS N	3.7	2.7	137% ¹	80 - 120%
ARSENIC	2.5	2.6	96%	80 - 120%
BORON	240	200	119%	80 - 120%
CADMUM	0.63 T	0.60	105%	80 - 120%
CALCIUM	*0.52 (0.51)	0.40	130%	80 - 120%
COPPER	3.4	3.3	103%	80 - 120%
LEAD	2.7	2.6	104%	80 - 120%
MAGNESIUM	*0.30 (0.30)	0.25	121%	80 - 120%
MERCURY	*13 (14.4)	18	72%	80 - 120%
MOLYBDENUM	2.8	2.7	104%	80 - 120%
NICKEL	6.7	6.5	103%	80 - 120%
NITRATE AS NO ₃ (DISSOLVED)	13	13.3	95%	80 - 120%
ORTHOPHOSPHATE AS PO ₄ (DISSOLVED)	9.9	10.5	94%	80 - 120%
POTASSIUM	5.0	4.5	112%	80 - 120%

**Results for External Quality Assurance Samples
Incorporated by the Environmental Monitoring Branch**

SODIUM	4.9	4.5	110%	80 - 120%
TKN	2.5	2.7	93%	80 - 120%
ZINC	190	188	102%	80 - 120%

¹ Bracket of associated productions samples demonstrated non-detect results for ammonia as N

* result reanalyzed and confirmed, () = reanalyzed result

Reference sample (SCP-011) results for the bracket SCP-010 to 015 & SCP-019 to 023

Parameter	Reference Result	Reference Certified Value	Percent Recovery	Acceptance Criteria
ALKALINITY	35	35.3	98%	80 - 120%
CHLORIDE (DISSOLVED)	14	14.6	94%	80 - 120%
SELENIUM	*1.8 (2.10)	2.47	74%	80 - 120%
SULFATE (DISSOLVED)	9.7	10	97%	80 - 120%
TDS	73	85	86%	80 - 120%

* result reanalyzed and confirmed, () = reanalyzed result

Blank spike sample (SCP-029) results for the bracket SCP-016 to 018, 024, & 028 to 036

Parameter	Blank Spike Result	Blank Spike Concentration	Percent Recovery	Acceptance Criteria
ALUMINUM	180	169	108%	80 - 120%
AMMONIA AS N	2.6	2.8	93%	80-120%
ARSENIC	2.6	2.5	104%	80-120%
BORON	250	250	99%	80-120%
CADMIUM	0.78 T	0.72	109%	80-120%
CALCIUM	0.48	0.50	97%	80-120%
COPPER	3.3	3.1	106%	80-120%
LEAD	2.7	2.5	108%	80-120%
MAGNESIUM	0.25	0.25	99%	80-120%
MERCURY	*9.8 (11.8)	14.4	68%	80-120%
MOLYBDENUM	3.3	3.0	110%	80-120%
NICKEL	7.0	6.3	111%	80-120%
NITRATE AS NO ₃ (DISSOLVED)	13	13.3	97%	80-120%
ORTHOPHOSPHATE AS PO ₄ (DISSOLVED)	9.4	10.5	90%	80-120%
POTASSIUM	5	5	100%	80-120%
SODIUM	5.1	5.0	102%	80-120%
TKN	2.6	2.8	93%	80-120%
ZINC	170	163	103%	80 - 120%

* result reanalyzed and confirmed, () = reanalyzed result

Reference sample (SCP-029) results for the bracket SCP-016 to 018, 024, & 028 to 036

Parameter	Reference Result	Reference Certified Value	Percent Recovery	Acceptance Criteria
ALKALINITY	34	35.3	97%	80 - 120%
CHLORIDE (DISSOLVED)	14	14.6	93%	80 - 120%

**Results for External Quality Assurance Samples
Incorporated by the Environmental Monitoring Branch**

SELENIUM	*2.2 (2.58)	3.13	71%	80 - 120%
SULFATE (DISSOLVED)	9.7	10	97%	80 - 120%
TDS	*60 (71)	85	71%	80 - 120%

* result reanalyzed and confirmed, () = reanalyzed result

Contamination - External QA Samples

All parameters assessed for contamination met the QA acceptance limits of less than or equal to two times the reporting limit or less than or equal to 10% of the lowest production sample result.

Blank sample (SCP-007) results for the bracket SCP-001 through SCP-009

Parameter	Blank Result	Reporting Limit	Acceptance Criteria
ALKALINITY	< 2.0	2.0	≤ 2RL
ALUMINUM	< 20	20	≤ 2RL
AMMONIA AS N	< 0.5	0.5	≤ 2RL
ARSENIC	< 0.5	0.5	≤ 2RL
BICARBONATE AS CACO ₃	< 2.0	2.0	≤ 2RL
BORON	< 25	25	≤ 2RL
CADMIUM	< 0.10 T	0.10	≤ 2RL
CALCIUM	< 0.050	0.050	≤ 2RL
CARBONATE AS CACO ₃	< 2.0	2.0	≤ 2RL
CHLORIDE (DISSOLVED)	< 1.0	1.0	≤ 2RL
COPPER	0.52	0.50	≤ 2RL
LEAD	< 0.2	0.2	≤ 2RL
MAGNESIUM	< 0.025	0.025	≤ 2RL
MERCURY	< 2.0	2.0	≤ 2RL
MOLYBDENUM	< 0.5	0.5	≤ 2RL
NICKEL	0.71	0.50	≤ 2RL
NITRATE AS NO ₃ (DISSOLVED)	< 0.5	0.5	≤ 2RL
ORTHOPHOSPHATE AS PO ₄ (DISSOLVED)	< 0.6	0.6	≤ 2RL
POTASSIUM	< 0.5	0.5	≤ 2RL
SELENIUM	< 0.4	0.4	≤ 2RL
SODIUM	< 0.5	0.5	≤ 2RL
SULFATE (DISSOLVED)	< 1.0	1.0	≤ 2RL
TDS	< 10	10	≤ 2RL
TKN	0.53	0.50	≤ 2RL
ZINC	< 20	20	≤ 2RL

Blank sample (SCP-012) results for the bracket SCP-010 to 015 & 019 to 023

Parameter	Blank Result	Reporting Limit	Acceptance Criteria
ALKALINITY	< 2.0	2.0	≤ 2RL
ALUMINUM	< 20	20	≤ 2RL
AMMONIA AS N	< 0.5	0.5	≤ 2RL
ARSENIC	< 0.5	0.5	≤ 2RL

**Results for External Quality Assurance Samples
Incorporated by the Environmental Monitoring Branch**

BICARBONATE AS CACO3	< 2.0	2.0	\leq 2RL
BORON	< 25	25	\leq 2RL
CADMIUM	< 0.10 T	0.10	\leq 2RL
CALCIUM	< 0.050	0.050	\leq 2RL
CARBONATE AS CACO3	< 2.0	2.0	\leq 2RL
CHLORIDE (DISSOLVED)	< 1.0	1.0	\leq 2RL
COPPER	< 0.5	0.5	\leq 2RL

Blank sample (SCP-012) results for the bracket SCP-010 to 015 & 019 to 023 (cont.)

Parameter	Blank Result	Reporting Limit	Acceptance Criteria
LEAD	< 0.2	0.2	\leq 2RL
MAGNESIUM	< 0.025	0.025	\leq 2RL
MERCURY	< 2.0	2.0	\leq 2RL
MOLYBDENUM	< 0.5	0.5	\leq 2RL
NICKEL	< 0.5	0.5	\leq 2RL
NITRATE AS NO3 (DISSOLVED)	< 0.5	0.5	\leq 2RL
ORTHOPHOSPHATE AS PO4 (DISSOLVED)	< 0.6	0.6	\leq 2RL
POTASSIUM	< 0.5	0.5	\leq 2RL
SELENIUM	< 0.4	0.4	\leq 2RL
SODIUM	< 0.5	0.5	\leq 2RL
SULFATE (DISSOLVED)	< 1.0	1.0	\leq 2RL
TDS	< 10	10	\leq 2RL
TKN	< 0.50	0.50	\leq 2RL
ZINC	< 20	20	\leq 2RL

Blank sample (SCP-030) results for the bracket SCP-016 to 018, 024, & 028 to 036

Parameter	Blank Result	Reporting Limit	Acceptance Criteria
ALKALINITY	< 2.0	2.0	\leq 2RL
ALUMINUM	31	20	\leq 2RL
AMMONIA AS N	< 0.5	0.5	\leq 2RL
ARSENIC	< 0.5	0.5	\leq 2RL
BICARBONATE AS CACO3	< 2.0	2.0	\leq 2RL
BORON	< 25	25	\leq 2RL
CADMIUM	< 0.10 T	0.10	\leq 2RL
CALCIUM	< 0.050	0.050	\leq 2RL
CARBONATE AS CACO3	< 2.0	2.0	\leq 2RL
CHLORIDE (DISSOLVED)	< 1.0	1.0	\leq 2RL
COPPER	< 0.5	0.5	\leq 2RL
LEAD	< 0.2	0.2	\leq 2RL
MAGNESIUM	< 0.025	0.025	\leq 2RL
MERCURY	< 2.0	2.0	\leq 2RL
MOLYBDENUM	< 0.5	0.5	\leq 2RL
NICKEL	< 0.5	0.5	\leq 2RL

**Results for External Quality Assurance Samples
Incorporated by the Environmental Monitoring Branch**

NITRATE AS NO ₃ (DISSOLVED)	< 0.5	0.5	\leq 2RL
ORTHOPHOSPHATE AS PO ₄ (DISSOLVED)	< 0.6	0.6	\leq 2RL
POTASSIUM	< 0.5	0.5	\leq 2RL
SELENIUM	< 0.4	0.4	\leq 2RL
SODIUM	< 0.5	0.5	\leq 2RL
SULFATE (DISSOLVED)	< 1.0	1.0	\leq 2RL
TDS	< 10	10	\leq 2RL
TKN	< 0.50	0.50	\leq 2RL
ZINC	< 20	20	\leq 2RL

Historical Outlier

A result is considered to be an outlier if it is greater than three standard deviations from the average result at a site. At least 12 points are needed to assess results for outliers. As of this sampling, there are not 12 points available; so an outlier assessment was not conducted.

Holding Time

Besides low level cadmium, all the parameters were prepared and analyzed within their holding times. All the low level cadmium results for the samples (SCP-001 through SCP-024 and SCP-028 through SCP-036) collected this round were qualified with a "T" based on these samples not being chemically preserved within 14 days of collection as required by EPA 1638.

Completeness

The laboratories performed all the requested analyses and provided all the results for the samples; however, some data was qualified. 100% completeness was achieved.

Laboratory Quality Control (QC)

The review of the laboratory QC check samples included an evaluation of accuracy, precision, and contamination (ex. laboratory control samples, duplicates, blanks etc.). All laboratory QC check samples incorporated with the project's inorganic samples were acceptable. For sample SCP-001, the laboratory's MS and MSD demonstrated low recoveries and poor precision for endrin aldehyde. As a result, the endrin aldehyde result by EPA 8081A for sample SCP-001 may be biased low and may vary excessively from its true value ("LV" qualification). Due to the laboratory control sample (LCS) demonstrating an unacceptably low recovery for endrin aldehyde, the endrin aldehyde results by EPA 8081A for samples SCP-002 through SCP-005, and SCP-009 may be biased low ("L" qualifications). For sample SCP-003, the dimethoate result by EPA 8141A needs to be qualified as possibly varying excessively from its true value based on unacceptable precision between the laboratory's MS and MSD ("V" qualification). By EPA 525.2, sample SCP-015 was analyzed in a batch separate from samples SCP-010 through SCP-014 and SCP-019 through SCP-023. Based on the laboratory LCS and LCSD demonstrating unacceptable relative percent differences for caffeine, di(2-ethylhexyl)phthalate, and dimethoate in the batch associated with sample SCP-015; the caffeine, di(2-ethylhexyl)phthalate, and dimethoate results by EPA 525.2 for sample SCP-015 need to be qualified as possibly varying excessively from their true values ("V" qualifications). For sample SCP-010, the laboratory's MS and MSD demonstrated low recoveries and poor precision for endrin aldehyde. As a result, the endrin aldehyde result by EPA 8081A for sample SCP-010 may be biased low and may vary excessively from its true value ("LV" qualification). Based on the laboratory LCS and LCSD having a relative percent difference for caffeine outside the acceptance limits, the caffeine results by EPA 525.2 for samples SCP-016 to 018, 024, 028, & 032 to 036 need to be qualified as possibly varying excessively from their true values ("V" qualifications). Due to an unacceptable difference between the laboratory's LCS and LCSD for di(2-ethylhexyl)phthalate and a high LCS recovery for di(2-ethylhexyl)phthalate, the di(2-ethylhexyl)phthalate results by EPA 525.2 for samples SCP-017 & SCP-018 are qualified as possibly varying excessively from their true values and possibly being biased high ("HV" qualifications). Due to an unacceptable difference between the laboratory's LCS and LCSD for di(2-ethylhexyl)phthalate, the di(2-ethylhexyl)phthalate results by EPA 525.2 for samples SCP-016, 024, 028, & 032 to 036 are qualified as possibly varying excessively from their true values ("V" qualifications). Due to an unacceptable difference between the laboratory's LCS and LCSD for dimethoate, the dimethoate results by EPA 525.2 for samples SCP-016 to 018, 024, 028, & 032 to 036 are qualified as possibly varying excessively from their true values ("V" qualifications).

General Comment

**Results for External Quality Assurance Samples
Incorporated by the Environmental Monitoring Branch**

For data which is qualified, the data user should determine if it is usable for its intended purpose based on how it is qualified. The data user also needs to be aware that all the low level cadmium samples associated with this collection were chemically preserved outside the required 14 days ("T" qualifications).

Appendix B

Results of Physical Measurements and Inorganic Analyses

Water Quality Monitoring for SJR Seepage Management

Site	Sample ID (5/2013)	Date	Analyte	Units	RL (5/2013)	Result ¹ (5/2013)	Qualifie r	RL (12/2012)	Result (12/2012)	Quality Limit	Objective	Comments
Columbia Canal at Eastside Drive	SCP037	5/28/2013	ALKALINITY	mg/l	2	58	-	-	20	NRWQC-CC		
Well MW-12-190	SCP038	5/28/2013	ALKALINITY	mg/l	2	68	2	83	20	NRWQC-CC		
Well MW-12-191	SCP039	5/28/2013	ALKALINITY	mg/l	2	64	-	-	20	NRWQC-CC		
Well MW-12-185	SCP040	5/28/2013	ALKALINITY	mg/l	2	61	2	60	20	NRWQC-CC		
San Joaquin River at Sack Dam	SCP041	5/28/2013	ALKALINITY	mg/l	2	79	2	69	20	NRWQC-CC		
Poso Canal at Valeria Ave	SCP042	5/28/2013	ALKALINITY	mg/l	2	88	-	-	20	NRWQC-CC		
Well MW-12-183	SCP043	5/28/2013	ALKALINITY	mg/l	2	140	2	130	20	NRWQC-CC		
Well MW-11-150	SCP045	5/28/2013	ALKALINITY	mg/l	2	100	2	120	20	NRWQC-CC		
Well MW-10-89	SCP046	5/30/2013	ALKALINITY	mg/l	2	51	2	52	20	NRWQC-CC		
Sand Slough at El Nido Road	SCP047	5/29/2013	ALKALINITY	mg/l	2	220	2	270	20	NRWQC-CC		
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	ALKALINITY	mg/l	2	150	-	-	20	NRWQC-CC		
Well MW-10-90	SCP050	5/29/2013	ALKALINITY	mg/l	2	280	2	280	20	NRWQC-CC		
Well MW-12-174	SCP051	5/29/2013	ALKALINITY	mg/l	2	260	2	250	20	NRWQC-CC		
Well MW-10-94	SCP052	5/29/2013	ALKALINITY	mg/l	2	340	2	310	20	NRWQC-CC		
Drain Sump L-36	SCP053	5/29/2013	ALKALINITY	mg/l	2	460	2	400	20	NRWQC-CC		
Well MW-12-170	SCP054	5/29/2013	ALKALINITY	mg/l	2	380	-	-	20	NRWQC-CC		
Drain Sump L-43	SCP055	5/29/2013	ALKALINITY	mg/l	2	350	-	-	20	NRWQC-CC		
Well MW-12-172	SCP056	5/29/2013	ALKALINITY	mg/l	2	310	2	290	20	NRWQC-CC		
Drain Sump L-50	SCP057	5/29/2013	ALKALINITY	mg/l	2	330	2	320	20	NRWQC-CC		
Drain Sump L-49	SCP058	5/29/2013	ALKALINITY	mg/l	2	240	-	-	20	NRWQC-CC		
Nickel South Drain Sump	SCP059	5/30/2013	ALKALINITY	mg/l	2	200	2	160	20	NRWQC-CC		
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	ALKALINITY	mg/l	2	220	2	250	20	NRWQC-CC		
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	ALKALINITY	mg/l	2	180	2	190	20	NRWQC-CC		
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	ALKALINITY	mg/l	2	160	2	160	20	NRWQC-CC		
Riverside Canal at Willis Road	SCP063	5/30/2013	ALKALINITY	mg/l	2	90	-	-	20	NRWQC-CC		
Well MW-11-149	SCP065	5/30/2013	ALKALINITY	mg/l	2	110	2	96	20	NRWQC-CC		
Well MW-12-169	SCP066	5/29/2013	ALKALINITY	mg/l	2	310	2	280	20	NRWQC-CC		
Well MW-12-165	SCP067	5/29/2013	ALKALINITY	mg/l	2	220	2	210	20	NRWQC-CC		
Well MW-12-177	SCP068	5/29/2013	ALKALINITY	mg/l	2	230	2	200	20	NRWQC-CC		
Columbia Canal at Eastside Drive	SCP037	5/28/2013	ALUMINUM	ug/l	20	350	-	-	87	NRWQC-CC		
Well MW-12-190	SCP038	5/28/2013	ALUMINUM	ug/l	20	14000	200	3500	87	NRWQC-CC		
Well MW-12-191	SCP039	5/28/2013	ALUMINUM	ug/l	20	18000	-	-	87	NRWQC-CC		
Well MW-12-185	SCP040	5/28/2013	ALUMINUM	ug/l	20	16000	2000	23000	87	NRWQC-CC		
San Joaquin River at Sack Dam	SCP041	5/28/2013	ALUMINUM	ug/l	20	540	20	270	87	NRWQC-CC		
Poso Canal at Valeria Ave	SCP042	5/28/2013	ALUMINUM	ug/l	20	2200	-	-	87	NRWQC-CC		
Well MW-12-183	SCP043	5/28/2013	ALUMINUM	ug/l	20	150	20	220	87	NRWQC-CC		
Well MW-11-150	SCP045	5/28/2013	ALUMINUM	ug/l	20	3700	1000	9700	87	NRWQC-CC		
Well MW-10-89	SCP046	5/30/2013	ALUMINUM	ug/l	20	3300	20	680	87	NRWQC-CC		
Sand Slough at El Nido Road	SCP047	5/29/2013	ALUMINUM	ug/l	20	2900	20	1000	87	NRWQC-CC		
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	ALUMINUM	ug/l	20	870	-	-	87	NRWQC-CC		
Well MW-10-90	SCP050	5/29/2013	ALUMINUM	ug/l	20	2000	20	3600	87	NRWQC-CC		
Well MW-12-174	SCP051	5/29/2013	ALUMINUM	ug/l	20	550	20	690	87	NRWQC-CC		
Well MW-10-94	SCP052	5/29/2013	ALUMINUM	ug/l	20	280	20	1600	87	NRWQC-CC		
Drain Sump L-36	SCP053	5/29/2013	ALUMINUM	ug/l	20	41	20	< 20	87	NRWQC-CC		
Well MW-12-170	SCP054	5/29/2013	ALUMINUM	ug/l	20	870	-	-	87	NRWQC-CC		
Drain Sump L-43	SCP055	5/29/2013	ALUMINUM	ug/l	20	1100	-	-	87	NRWQC-CC		
Well MW-12-172	SCP056	5/29/2013	ALUMINUM	ug/l	20	86	20	400	87	NRWQC-CC		
Drain Sump L-50	SCP057	5/29/2013	ALUMINUM	ug/l	20	40	20	< 20	87	NRWQC-CC		
Drain Sump L-49	SCP058	5/29/2013	ALUMINUM	ug/l	20	39	-	-	87	NRWQC-CC		
Nickel South Drain Sump	SCP059	5/30/2013	ALUMINUM	ug/l	20	26	20	37	87	NRWQC-CC		
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	ALUMINUM	ug/l	20	< 20	20	< 20	87	NRWQC-CC		
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	ALUMINUM	ug/l	20	< 20	20	< 20	87	NRWQC-CC		
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	ALUMINUM	ug/l	20	< 20	20	< 20	87	NRWQC-CC		
Riverside Canal at Willis Road	SCP063	5/30/2013	ALUMINUM	ug/l	20	2300	-	-	87	NRWQC-CC		
Well MW-11-149	SCP065	5/30/2013	ALUMINUM	ug/l	200	20000	400	10000	87	NRWQC-CC		
Well MW-12-169	SCP066	5/29/2013	ALUMINUM	ug/l	20	120	200	600	87	NRWQC-CC		
Well MW-12-165	SCP067	5/29/2013	ALUMINUM	ug/l	20	2100	200	3100	87	NRWQC-CC		
Well MW-12-177	SCP068	5/29/2013	ALUMINUM	ug/l	20	1600	400	8400	87	NRWQC-CC		
Columbia Canal at Eastside Drive	SCP037	5/28/2013	AMMONIA AS N	mg/l	0.5	< 0.5	-	-	1.36	NRWQC-CC		
Well MW-12-190	SCP038	5/28/2013	AMMONIA AS N	mg/l	0.5	< 0.5	0.5	< 0.5	4.42	NRWQC-CC		
Well MW-12-191	SCP039	5/28/2013	AMMONIA AS N	mg/l	0.5	< 0.5	-	-	3.95	NRWQC-CC		
Well MW-12-185	SCP040	5/28/2013	AMMONIA AS N	mg/l	0.5	< 0.5	0.5	< 0.5	4.68	NRWQC-CC		
San Joaquin River at Sack Dam	SCP041	5/28/2013	AMMONIA AS N	mg/l	0.5	< 0.5	0.5	< 0.5	1.31	NRWQC-CC		
Poso Canal at Valeria Ave	SCP042	5/28/2013	AMMONIA AS N	mg/l	0.5	< 0.5	-	-	1.51	NRWQC-CC		
Well MW-12-183	SCP043	5/28/2013	AMMONIA AS N	mg/l	0.5	< 0.5	0.5	< 0.5	4.60	NRWQC-CC		
Well MW-11-150	SCP045	5/28/2013	AMMONIA AS N	mg/l	0.5	< 0.5	0.5	< 0.5	4.35	NRWQC-CC		
Well MW-10-89	SCP046	5/30/2013	AMMONIA AS N	mg/l	0.5	< 0.5	0.5	< 0.5	5.03	NRWQC-CC		
Sand Slough at El Nido Road	SCP047	5/29/2013	AMMONIA AS N	mg/l	0.5	< 0.5	0.5	< 0.5	0.71	NRWQC-CC		
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	AMMONIA AS N	mg/l	0.5	< 0.5	-	-	0.77	NRWQC-CC		
Well MW-10-90	SCP050	5/29/2013	AMMONIA AS N	mg/l	0.5	< 0.5	0.5	< 0.5	3.24	NRWQC-CC		
Well MW-12-174	SCP051	5/29/2013	AMMONIA AS N	mg/l	0.5	< 0.5	0.5	< 0.5	2.88	NRWQC-CC		
Well MW-10-94	SCP052	5/29/2013	AMMONIA AS N	mg/l	0.5	< 0.5	0.5	< 0.5	3.10	NRWQC-CC		
Drain Sump L-36	SCP053	5/29/2013	AMMONIA AS N	mg/l	0.5	< 0.5	0.5	< 0.5	3.51	NRWQC-CC		
Well MW-12-170	SCP054	5/29/2013	AMMONIA AS N	mg/l	0.5	< 0.5	-	-	3.55	NRWQC-CC		
Drain Sump L-43	SCP055	5/29/2013	AMMONIA AS N	mg/l	0.5	< 0.5	-	-	2.87	NRWQC-CC		
Well MW-12-172	SCP056	5/29/2013	AMMONIA AS N	mg/l	0.5	< 0.5	0.5	< 0.5	3.69	NRWQC-CC		
Drain Sump L-50	SCP057	5/29/2013	AMMONIA AS N	mg/l	0.5	< 0.5	0.5	< 0.5	3.25	NRWQC-CC		
Drain Sump L-49	SCP058	5/29/2013	AMMONIA AS N	mg/l	0.5	< 0.5	-	-	2.76	NRWQC-CC		
Nickel South Drain Sump	SCP059	5/30/2013	AMMONIA AS N	mg/l	0.5	< 0.5	0.5	< 0.5	3.53	NRWQC-CC		
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	AMMONIA AS N	mg/l	0.5	< 0.5	0.5	< 0.5	1.78	NRWQC-CC		
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	AMMONIA AS N	mg/l	0.5	< 0.5	0.5	< 0.5	1.77	NRWQC-CC		
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	AMMONIA AS N	mg/l	0.5	< 0.5	0.5	< 0.5	1.99	NRWQC-CC		
Riverside Canal at Willis Road	SCP063	5/30/2013	AMMONIA AS N	mg/l	0.5	< 0.5	-	-	1.73	NRWQC-CC		
Well MW-11-149	SCP065	5/30/2013	AMMONIA AS N	mg/l	0.5	< 0.5	0.5	< 0.5	5.28	NRWQC-CC		
Well MW-12-169	SCP066	5/29/2013	AMMONIA AS N	mg/l	0.5	< 0.5	0.5	< 0.5	4.30	NRWQC-CC		
Well MW-12-165	SCP067	5/29/2013	AMMONIA AS N	mg/l	0.5	< 0.5	0.5	< 0.5	4.35	NRWQC-CC		
Well MW-12-177	SCP068	5/29/2013	AMMONIA AS N	mg/l	0.5	< 0.5	0.5	< 0.5	4.51	NRWQC-CC		
Columbia Canal at Eastside Drive	SCP037	5/28/2013	ARSENIC	ug/l	0.5	2	-	-	10	BP		
Well MW-12-190	SCP038	5/28/2013	ARSENIC	ug/l	0.5	6.6	0.5	3.3	10	BP		
Well MW-12-191	SCP039	5/28/2013	ARSENIC	ug/l	0.5	6.7	-	-	10	BP		
Well MW-12-185	SCP040	5/28/2013	ARSENIC	ug/l	0.5	19	0.5	26	10	BP		
San Joaquin River at Sack Dam	SCP041	5/28/2013	ARSENIC	ug/l	0.5	2.1	0.5	1.6	10	BP		
Poso Canal at Valeria Ave	SCP042	5/28/2013	ARSENIC	ug/l	0.5	3.9	-	-	10	BP		
Well MW-12-183	SCP043	5/28/2013	ARSENIC	ug/l	0.5	3.6	0.5	3.7	10	BP		
Well MW-11-150	SCP045	5/28/2013	ARSENIC	ug/l	0.5	3.3	0.5	5.7	10	BP		
Well MW-10-89	SCP046	5/30/2013	ARSENIC	ug/l	0.5	1.6	0.5	0.64	10	BP		
Sand Slough at El Nido Road	SCP											

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Riverside Canal at Willis Road	SCP063	5/30/2013	ARSENIC	ug/l	0.5	4.7	-	-	10	BP
Well MW-11-149	SCP065	5/30/2013	ARSENIC	ug/l	0.5	16	0.5	13	10	BP
Well MW-12-169	SCP066	5/29/2013	ARSENIC	ug/l	0.5	4.9	2.5	5.3	10	BP
Well MW-12-165	SCP067	5/29/2013	ARSENIC	ug/l	0.5	4.2	2.5	4.6	10	BP
Well MW-12-177	SCP068	5/29/2013	ARSENIC	ug/l	0.5	3.9	2.5	4.8	10	BP
Columbia Canal at Eastside Drive	SCP037	5/28/2013	BICARBONATE AS CACO3	mg/l	2	58	-	-	92 - 519 ²	Irrig Suit
Well MW-12-190	SCP038	5/28/2013	BICARBONATE AS CACO3	mg/l	2	68	2	83	92 - 519 ²	Irrig Suit
Well MW-12-191	SCP039	5/28/2013	BICARBONATE AS CACO3	mg/l	2	64	-	-	92 - 519 ²	Irrig Suit
Well MW-12-185	SCP040	5/28/2013	BICARBONATE AS CACO3	mg/l	2	61	2	60	92 - 519 ²	Irrig Suit
San Joaquin River at Sack Dam	SCP041	5/28/2013	BICARBONATE AS CACO3	mg/l	2	79	2	69	92 - 519 ²	Irrig Suit
Poso Canal at Valeria Ave	SCP042	5/28/2013	BICARBONATE AS CACO3	mg/l	2	88	-	-	92 - 519 ²	Irrig Suit
Well MW-12-183	SCP043	5/28/2013	BICARBONATE AS CACO3	mg/l	2	140	2	130	92 - 519 ²	Irrig Suit
Well MW-11-150	SCP045	5/28/2013	BICARBONATE AS CACO3	mg/l	2	100	2	120	92 - 519 ²	Irrig Suit
Well MW-10-89	SCP046	5/30/2013	BICARBONATE AS CACO3	mg/l	2	51	2	52	92 - 519 ²	Irrig Suit
Sand Slough at El Nido Road	SCP047	5/29/2013	BICARBONATE AS CACO3	mg/l	2	210	2	260	92 - 519 ²	Irrig Suit
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	BICARBONATE AS CACO3	mg/l	2	150	-	-	92 - 519 ²	Irrig Suit
Well MW-10-90	SCP050	5/29/2013	BICARBONATE AS CACO3	mg/l	2	280	2	280	92 - 519 ²	Irrig Suit
Well MW-12-174	SCP051	5/29/2013	BICARBONATE AS CACO3	mg/l	2	260	2	250	92 - 519 ²	Irrig Suit
Well MW-10-94	SCP052	5/29/2013	BICARBONATE AS CACO3	mg/l	2	340	2	310	92 - 519 ²	Irrig Suit
Drain Sump L-36	SCP053	5/29/2013	BICARBONATE AS CACO3	mg/l	2	460	2	400	92 - 519 ²	Irrig Suit
Well MW-12-170	SCP054	5/29/2013	BICARBONATE AS CACO3	mg/l	2	380	-	-	92 - 519 ²	Irrig Suit
Drain Sump L-43	SCP055	5/29/2013	BICARBONATE AS CACO3	mg/l	2	350	-	-	92 - 519 ²	Irrig Suit
Well MW-12-172	SCP056	5/29/2013	BICARBONATE AS CACO3	mg/l	2	310	2	290	92 - 519 ²	Irrig Suit
Drain Sump L-50	SCP057	5/29/2013	BICARBONATE AS CACO3	mg/l	2	330	2	320	92 - 519 ²	Irrig Suit
Drain Sump L-49	SCP058	5/29/2013	BICARBONATE AS CACO3	mg/l	2	240	-	-	92 - 519 ²	Irrig Suit
Nickel South Drain Sump	SCP059	5/30/2013	BICARBONATE AS CACO3	mg/l	2	200	2	160	92 - 519 ²	Irrig Suit
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	BICARBONATE AS CACO3	mg/l	2	220	2	250	92 - 519 ²	Irrig Suit
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	BICARBONATE AS CACO3	mg/l	2	180	2	190	92 - 519 ²	Irrig Suit
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	BICARBONATE AS CACO3	mg/l	2	160	2	160	92 - 519 ²	Irrig Suit
Riverside Canal at Willis Road	SCP063	5/30/2013	BICARBONATE AS CACO3	mg/l	2	90	-	-	92 - 519 ²	Irrig Suit
Well MW-11-149	SCP065	5/30/2013	BICARBONATE AS CACO3	mg/l	2	110	2	96	92 - 519 ²	Irrig Suit
Well MW-12-169	SCP066	5/29/2013	BICARBONATE AS CACO3	mg/l	2	310	2	280	92 - 519 ²	Irrig Suit
Well MW-12-165	SCP067	5/29/2013	BICARBONATE AS CACO3	mg/l	2	220	2	210	92 - 519 ²	Irrig Suit
Well MW-12-177	SCP068	5/29/2013	BICARBONATE AS CACO3	mg/l	2	230	2	200	92 - 519 ²	Irrig Suit
Columbia Canal at Eastside Drive	SCP037	5/28/2013	BORON	ug/l	25	150	-	-	700	Irrig Suit + Ag
Well MW-12-190	SCP038	5/28/2013	BORON	ug/l	25	250	25	240	700	Irrig Suit + Ag
Well MW-12-191	SCP039	5/28/2013	BORON	ug/l	25	250	-	-	700	Irrig Suit + Ag
Well MW-12-185	SCP040	5/28/2013	BORON	ug/l	25	210	25	150	700	Irrig Suit + Ag
San Joaquin River at Sack Dam	SCP041	5/28/2013	BORON	ug/l	25	250	25	320	700	Irrig Suit + Ag
Poso Canal at Valeria Ave	SCP042	5/28/2013	BORON	ug/l	25	260	-	-	700	Irrig Suit + Ag
Well MW-12-183	SCP043	5/28/2013	BORON	ug/l	25	220	25	230	700	Irrig Suit + Ag
Well MW-11-150	SCP045	5/28/2013	BORON	ug/l	25	220	25	210	700	Irrig Suit + Ag
Well MW-10-89	SCP046	5/30/2013	BORON	ug/l	25	190	25	230	700	Irrig Suit + Ag
Sand Slough at El Nido Road	SCP047	5/29/2013	BORON	ug/l	25	92	25	94	700	Irrig Suit + Ag
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	BORON	ug/l	25	59	-	-	700	Irrig Suit + Ag
Well MW-10-90	SCP050	5/29/2013	BORON	ug/l	25	150	25	150	700	Irrig Suit + Ag
Well MW-12-174	SCP051	5/29/2013	BORON	ug/l	25	85	25	88	700	Irrig Suit + Ag
Well MW-10-94	SCP052	5/29/2013	BORON	ug/l	25	73	25	69	700	Irrig Suit + Ag
Drain Sump L-36	SCP053	5/29/2013	BORON	ug/l	25	82	25	62	700	Irrig Suit + Ag
Well MW-12-170	SCP054	5/29/2013	BORON	ug/l	25	57	-	-	700	Irrig Suit + Ag
Drain Sump L-43	SCP055	5/29/2013	BORON	ug/l	25	77	-	-	700	Irrig Suit + Ag
Well MW-12-172	SCP056	5/29/2013	BORON	ug/l	25	56	25	56	700	Irrig Suit + Ag
Drain Sump L-50	SCP057	5/29/2013	BORON	ug/l	25	100	25	100	700	Irrig Suit + Ag
Drain Sump L-49	SCP058	5/29/2013	BORON	ug/l	25	96	-	-	700	Irrig Suit + Ag
Nickel South Drain Sump	SCP059	5/30/2013	BORON	ug/l	25	330	25	260	700	Irrig Suit + Ag
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	BORON	ug/l	25	280	25	220	700	Irrig Suit + Ag
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	BORON	ug/l	25	320	25	180	700	Irrig Suit + Ag
Nickel North Drain Sump - East (River/canal side) Drain	SCP062	5/29/2013	BORON	ug/l	25	230	25	220	700	Irrig Suit + Ag
Riverside Canal at Willis Road	SCP063	5/30/2013	BORON	ug/l	25	250	-	-	700	Irrig Suit + Ag
Well MW-11-149	SCP065	5/30/2013	BORON	ug/l	25	210	25	250	700	Irrig Suit + Ag
Well MW-12-169	SCP067	5/29/2013	BORON	ug/l	25	62	25	75	700	Irrig Suit + Ag
Well MW-12-177	SCP068	5/29/2013	BORON	ug/l	25	71	25	130	700	Irrig Suit + Ag
Columbia Canal at Eastside Drive	SCP037	5/28/2013	CADMIUM	ug/l	0.5	< 0.5	-	-	0.15	NAWQC-CC ³
Well MW-12-190	SCP038	5/28/2013	CADMIUM	ug/l	0.1	< 0.1	0.2	< 0.20 T	0.29	NAWQC-CC ³
Well MW-12-191	SCP039	5/28/2013	CADMIUM	ug/l	0.1	< 0.1	-	-	0.27	NAWQC-CC ³
Well MW-12-185	SCP040	5/28/2013	CADMIUM	ug/l	0.1	< 0.1	0.2	< 0.20 T	0.36	NAWQC-CC ³
San Joaquin River at Sack Dam	SCP041	5/28/2013	CADMIUM	ug/l	0.5	< 0.5	0.1	< 0.10 T	0.32	NAWQC-CC ³
Poso Canal at Valeria Ave	SCP042	5/28/2013	CADMIUM	ug/l	0.5	< 0.5	-	-	0.39	NAWQC-CC ³
Well MW-12-183	SCP043	5/28/2013	CADMIUM	ug/l	0.5	< 0.5	0.1	< 0.10 T	0.4	NAWQC-CC ³
Well MW-11-150	SCP045	5/28/2013	CADMIUM	ug/l	0.1	< 0.1	0.1	< 0.10 T	0.32	NAWQC-CC ³
Well MW-10-89	SCP046	5/30/2013	CADMIUM	ug/l	0.5	< 0.5	0.1	< 0.10 T	0.37	NAWQC-CC ³
Sand Slough at El Nido Road	SCP047	5/29/2013	CADMIUM	ug/l	0.5	< 0.5	0.1	< 0.10 T	0.65	NAWQC-CC ³
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	CADMIUM	ug/l	0.5	< 0.5	-	-	0.43	NAWQC-CC ³
Well MW-12-183	SCP050	5/29/2013	CADMIUM	ug/l	0.5	< 0.5	0.2	< 0.20 T	1.15	NAWQC-CC ³
Well MW-12-174	SCP051	5/29/2013	CADMIUM	ug/l	0.5	< 0.5	0.1	< 0.10 T	0.94	NAWQC-CC ³
Well MW-10-94	SCP052	5/29/2013	CADMIUM	ug/l	0.5	< 0.5	0.1	< 0.10 T	0.79	NAWQC-CC ³
Drain Sump L-36	SCP053	5/29/2013	CADMIUM	ug/l	0.5	< 0.5	L	0.1 < 0.10 T	0.73	NAWQC-CC ³
Well MW-12-170	SCP054	5/29/2013	CADMIUM	ug/l	0.5	< 0.5	L	-	0.73	NAWQC-CC ³
Drain Sump L-43	SCP055	5/29/2013	CADMIUM	ug/l	0.5	< 0.5	L	-	0.63	NAWQC-CC ³
Well MW-12-172	SCP056	5/29/2013	CADMIUM	ug/l	0.5	< 0.5	L	0.1 < 0.10 T	0.54	NAWQC-CC ³
Drain Sump L-50	SCP057	5/29/2013	CADMIUM	ug/l	0.5	< 0.5	L	0.1 < 0.10 T	0.7	NAWQC-CC ³
Drain Sump L-49	SCP058	5/29/2013	CADMIUM	ug/l	0.5	< 0.5	L	-	0.64	NAWQC-CC ³
Nickel South Drain Sump	SCP059	5/30/2013	CADMIUM	ug/l	0.5	< 0.5	L	0.1 < 0.10 T	1.09	NAWQC-CC ³
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	CADMIUM	ug/l	0.5	< 0.5	L	0.1 < 0.10 T	1.1	NAWQC-CC ³
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	CADMIUM	ug/l	0.5	< 0.5	L	0.1 < 0.10 T	1.21	NAWQC-CC ³
Nickel North Drain Sump - East (River/canal side) Drain	SCP062	5/29/2013	CADMIUM	ug/l	0.5	< 0.5	L	0.1 < 0.10 T	0.66	NAWQC-CC ³
Riverside Canal at Willis Road	SCP063	5/30/2013	CADMIUM	ug/l	0.5	< 0.5	-	-	0.4	NAWQC-CC ³
Well MW-11-149	SCP065	5/30/2013	CADMIUM	ug/l	0.1	< 0.1	0.1	0.36 T	0.55	NAWQC-CC ³
Well MW-12-169	SCP066	5/29/2013	CADMIUM	ug/l	0.1	0.27	0.2	0.40 T	1.95	NAWQC-CC ³
Well MW-12-165	SCP067	5/29/2013	CADMIUM	ug/l	0.5	< 0.5	0.2	0.35 T	3.22	NAWQC-CC ³
Well MW-12-177	SCP068	5/29/2013	CADMIUM	ug/l	0.5	< 0.5	0.2	0.26 T	3.1	NAWQC-CC ³
Columbia Canal at Eastside Drive	SCP037	5/28/2013	CALCIUM	mg/l	0.05	10	-	-	-	-
Well MW-12-190	SCP039	5/28/2013	CALCIUM	mg/l	0.05	16	-	-	-	-
Well MW-12-185	SCP040	5/28/2013	CALCIUM	mg/l	0.05	26	0.05	22	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	CALCIUM	mg/l	0.05	26	1	31	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	CALCIUM	mg/l	0.05	35	-	-	-	-
Well MW-12-183	SCP043	5/28/2013	CALCIUM	mg/l	0.05	47	1	43	-	-
Well MW-11-150	SCP045	5/28/2013	CALCIUM	mg/l	0.05	31	1	37	-	-
Well MW-10-89	SCP046	5/30/2013	CALCIUM	mg/l	0.05	33	1	45	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	CALCIUM	mg/l	0.05	73	1	44	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	CALCIUM	mg/l	0.05	48	-	-	-	-
Well MW-10-90	SCP050	5/29/2013	CALCIUM	mg/l	0					

Water Quality Monitoring for SJR Seepage Management

Nickel South Drain Sump	SCP059	5/30/2013	CALCIUM	mg/l	0.05	200	1	120	-	-	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	CALCIUM	mg/l	0.05	190	1	240	-	-	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	CALCIUM	mg/l	0.05	220	1	180	-	-	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	CALCIUM	mg/l	0.05	100	1	89	-	-	
Riverside Canal at Willis Road	SCP063	5/30/2013	CALCIUM	mg/l	0.05	38	-	-	-	-	
Well MW-11-149	SCP065	5/30/2013	CALCIUM	mg/l	0.05	53	1	50	-	-	
Well MW-12-169	SCP066	5/29/2013	CALCIUM	mg/l	0.05	420	5	510	-	-	
Well MW-12-165	SCP067	5/29/2013	CALCIUM	mg/l	1	920	5	600	-	-	
Well MW-12-177	SCP068	5/29/2013	CALCIUM	mg/l	1	830	5	980	-	-	
Columbia Canal at Eastside Drive	SCP097	5/28/2013	CARBONATE AS CACO3	mg/l	2	<2	-	-	-	-	
Well MW-12-190	SCP098	5/28/2013	CARBONATE AS CACO3	mg/l	2	<2	2	<2.0	-	-	
Well MW-12-191	SCP099	5/28/2013	CARBONATE AS CACO3	mg/l	2	<2	-	-	-	-	
Well MW-12-185	SCP040	5/28/2013	CARBONATE AS CACO3	mg/l	2	<2	2	<2.0	-	-	
San Joaquin River at Sack Dam	SCP041	5/28/2013	CARBONATE AS CACO3	mg/l	2	<2	2	11	-	External duplicates - poor precision	
Poso Canal at Valeria Ave	SCP042	5/28/2013	CARBONATE AS CACO3	mg/l	2	<2	-	-	-	External duplicates - poor precision	
Well MW-12-183	SCP043	5/28/2013	CARBONATE AS CACO3	mg/l	2	<2	2	<2.0	-	External duplicates - poor precision	
Well MW-11-150	SCP045	5/28/2013	CARBONATE AS CACO3	mg/l	2	<2	2	<2.0	-	External duplicates - poor precision	
Well MW-10-89	SCP046	5/30/2013	CARBONATE AS CACO3	mg/l	2	<2	2	<2.0	-	External duplicates - poor precision	
Sand Slough at El Nido Road	SCP047	5/29/2013	CARBONATE AS CACO3	mg/l	2	6.9	V	2	-	External duplicates - poor precision	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	CARBONATE AS CACO3	mg/l	2	<2	V	-	-	External duplicates - poor precision	
Well MW-10-9	SCP050	5/29/2013	CARBONATE AS CACO3	mg/l	2	<2	V	2	<2.0	-	
Well MW-12-174	SCP051	5/29/2013	CARBONATE AS CACO3	mg/l	2	<2	V	2	<2.0	-	
Well MW-12-165	SCP052	5/29/2013	CARBONATE AS CACO3	mg/l	2	<2	V	2	<2.0	-	
Well MW-12-177	SCP068	5/29/2013	CARBONATE AS CACO3	mg/l	2	<2	2	<2.0	-		
Columbia Canal at Eastside Drive	SCP097	5/28/2013	CHLORIDE (DISSOLVED)	mg/l	1	47	-	-	106	Irrig Suit + Ag	
Well MW-12-190	SCP098	5/28/2013	CHLORIDE (DISSOLVED)	mg/l	2	59	2	55	106	Irrig Suit + Ag	
Well MW-12-191	SCP099	5/28/2013	CHLORIDE (DISSOLVED)	mg/l	2	56	-	-	106	Irrig Suit + Ag	
Well MW-12-185	SCP040	5/28/2013	CHLORIDE (DISSOLVED)	mg/l	2	63	2	69	106	Irrig Suit + Ag	
San Joaquin River at Sack Dam	SCP041	5/28/2013	CHLORIDE (DISSOLVED)	mg/l	2	87	5	68	106	Irrig Suit + Ag	
Poso Canal at Valeria Ave	SCP042	5/28/2013	CHLORIDE (DISSOLVED)	mg/l	5	95	-	-	106	Irrig Suit + Ag	
Well MW-12-183	SCP043	5/28/2013	CHLORIDE (DISSOLVED)	mg/l	5	98	2	72	106	Irrig Suit + Ag	
Well MW-11-150	SCP045	5/28/2013	CHLORIDE (DISSOLVED)	mg/l	2	72	2	56	106	Irrig Suit + Ag	
Well MW-10-89	SCP046	5/30/2013	CHLORIDE (DISSOLVED)	mg/l	5	100	5	120	106	Irrig Suit + Ag	
Sand Slough at El Nido Road	SCP047	5/29/2013	CHLORIDE (DISSOLVED)	mg/l	10	270	5	140	106	Irrig Suit + Ag	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	CHLORIDE (DISSOLVED)	mg/l	10	210	-	-	106	Irrig Suit + Ag	
Well MW-10-9	SCP050	5/29/2013	CHLORIDE (DISSOLVED)	mg/l	50	1100	50	870	106	Irrig Suit + Ag	
Well MW-12-174	SCP051	5/29/2013	CHLORIDE (DISSOLVED)	mg/l	20	690	10	360	106	Irrig Suit + Ag	
Well MW-10-9	SCP052	5/29/2013	CHLORIDE (DISSOLVED)	mg/l	20	470	10	270	106	Irrig Suit + Ag	
Drain Sump L-36	SCP053	5/29/2013	CHLORIDE (DISSOLVED)	mg/l	10	300	10	210	106	Irrig Suit + Ag	
Well MW-12-170	SCP054	5/29/2013	CHLORIDE (DISSOLVED)	mg/l	20	420	-	-	106	Irrig Suit + Ag	
Drain Sump L-43	SCP055	5/29/2013	CHLORIDE (DISSOLVED)	mg/l	10	210	-	-	106	Irrig Suit + Ag	
Well MW-12-172	SCP056	5/29/2013	CHLORIDE (DISSOLVED)	mg/l	10	250	10	230	106	Irrig Suit + Ag	
Drain Sump L-50	SCP057	5/29/2013	CHLORIDE (DISSOLVED)	mg/l	10	260	5	130	106	Irrig Suit + Ag	
Drain Sump L-49	SCP058	5/29/2013	CHLORIDE (DISSOLVED)	mg/l	10	220	-	-	106	Irrig Suit + Ag	
Nickel South Drain Sump	SCP059	5/30/2013	CHLORIDE (DISSOLVED)	mg/l	20	360	5	150	106	Irrig Suit + Ag	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	CHLORIDE (DISSOLVED)	mg/l	20	360	10	370	106	Irrig Suit + Ag	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	CHLORIDE (DISSOLVED)	mg/l	20	460	10	330	106	Irrig Suit + Ag	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	CHLORIDE (DISSOLVED)	mg/l	5	170	5	130	106	Irrig Suit + Ag	
Riverside Canal at Willis Road	SCP063	5/30/2013	CHLORIDE (DISSOLVED)	mg/l	5	100	-	-	106	Irrig Suit + Ag	
Well MW-11-149	SCP065	5/30/2013	CHLORIDE (DISSOLVED)	mg/l	5	110	5	78	106	Irrig Suit + Ag	
Well MW-12-169	SCP066	5/29/2013	CHLORIDE (DISSOLVED)	mg/l	100	3100	100	2000	106	Irrig Suit + Ag	
Well MW-12-165	SCP067	5/29/2013	CHLORIDE (DISSOLVED)	mg/l	100	3100	100	3100	106	Irrig Suit + Ag	
Well MW-12-177	SCP068	5/29/2013	CHLORIDE (DISSOLVED)	mg/l	100	2900	-	-	106	Irrig Suit + Ag	
Columbia Canal at Eastside Drive	SCP097	5/28/2013	COPPER	ug/l	0.5	2.1	-	-	4.8	CTR-HDCC ⁴	
Well MW-12-190	SCP098	5/28/2013	COPPER	ug/l	0.5	7.5	0.5	3.8	10	BP ^{4,6}	CTR-HDCC = 10.1
Well MW-12-191	SCP099	5/28/2013	COPPER	ug/l	0.5	10	-	-	9.5	CTR-HDCC ⁴	
Well MW-12-185	SCP040	5/28/2013	COPPER	ug/l	0.5	9.1	0.5	14	10	BP ^{4,6}	CTR-HDCC = 13
San Joaquin River at Sack Dam	SCP041	5/28/2013	COPPER	ug/l	0.5	2.1	0.5	1.4	10	BP ^{4,6}	CTR-HDCC = 11.4
Poso Canal at Valeria Ave	SCP042	5/28/2013	COPPER	ug/l	0.5	4.2	-	-	10	BP ^{4,6}	CTR-HDCC = 14
Well MW-12-183	SCP043	5/28/2013	COPPER	ug/l	0.5	0.81	0.5	0.8	10	BP ^{4,6}	CTR-HDCC = 14.8
Well MW-11-150	SCP045	5/28/2013	COPPER	ug/l	0.5	4.2	0.5	9.1	10	BP ^{4,6}	CTR-HDCC = 11.4
Well MW-10-89	SCP046	5/30/2013	COPPER	ug/l	0.5	9.3	0.5	1.3	10	BP ^{4,6}	CTR-HDCC = 13.3
Sand Slough at El Nido Road	SCP047	5/29/2013	COPPER	ug/l	0.5	4	0.5	1.8	10	BP ^{4,6}	CTR-HDCC = 25.6
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	COPPER	ug/l	0.5	1.9	-	-	10	BP ^{4,6}	CTR-HDCC = 15.9
Well MW-10-90	SCP050	5/29/2013	COPPER	ug/l	0.5	3.1	0.5	5.3	10	BP ^{4,6}	CTR-HDCC = 49.4
Well MW-12-174	SCP051	5/29/2013	COPPER	ug/l	0.5	1.4	0.5	1.3	10	BP ^{4,6}	CTR-HDCC = 39
Well MW-10-94	SCP052	5/29/2013	COPPER	ug/l	0.5	0.78	0.5	3	10	BP ^{4,6}	CTR-HDCC = 32.3
Drain Sump L-36	SCP053	5/29/2013	COPPER	ug/l	0.5	1.8	0.5	1.7	10	BP ^{4,6}	CTR-HDCC = 29.3
Well MW-12-170	SCP054	5/29/2013	COPPER	ug/l	0.5	1.6	-	-	10	BP ^{4,6}	CTR-HDCC = 29.3
Drain Sump L-43	SCP055	5/29/2013	COPPER	ug/l	0.5	2.4	-	-	10	BP ^{4,6}	CTR-HDCC = 24.9
Well MW-12-172	SCP056	5/29/2013	COPPER	ug/l	0.5	0.83	0.5	0.99	10	BP ^{4,6}	CTR-HDCC = 20.6
Drain Sump L-50	SCP057	5/29/2013	COPPER	ug/l	0.5	1.2	0.5	0.73	10	BP ^{4,6}	CTR-HDCC = 27.8
Drain Sump L-49	SCP058	5/29/2013	COPPER	ug/l	0.5	1	-	-	10	BP ^{4,6}	CTR-HDCC = 25.3
Nickel South Drain Sump	SCP059	5/30/2013	COPPER	ug/l	0.5	1.9	0.5	2.3	10	BP ^{4,6}	CTR-HDCC = 46.5
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	COPPER	ug/l	0.5	1.1	0.5	0.8	10	BP ^{4,6}	CTR-HDCC = 47
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	COPPER	ug/l	0.5	1.5	0.5	0.63	10	BP ^{4,6}	CTR-HDCC = 52.7
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	COPPER	ug/l	0.5	0.86	0.5	0.76	10	BP ^{4,6}	CTR-HDCC = 26
Riverside Canal at Willis Road	SCP063	5/30/2013	COPPER	ug/l	0.5	3.8	-	-	10	BP ^{4,6}	CTR-HDCC = 14.6
Well MW-11-149	SCP065	5/30/2013	COPPER	ug/l	0.5	17	0.5	24	10	BP ^{4,6}	CTR-HDCC = 21.1
Well MW-12-169	SCP066	5/29/2013	COPPER	ug/l	0.5	1.1	2.5	2.5	10	BP ^{4,6}	CTR-HDCC = 90.9
Well MW-12-165	SCP067	5/29/2013	COPPER	ug/l	0.5	2.6	2.5	3.7	10	BP ^{4,6}	CTR-HDCC = 162.4
Well MW-12-177	SCP068	5/29/2013	COPPER	ug/l	0.5	2	2.5	9.9	10	BP ^{4,6}	CTR-HDCC = 155.4
Columbia Canal at Eastside Drive	SCP097	5/28/2013	Electrical Conductivity	uS/cm	± 0.5%	313	-	-	700	Ag	
Well MW-12-190	SCP098	5/28/2013	Electrical Conductivity	uS/cm	± 0.5%	439	± 0.5%	526	700	Ag	
Well MW-12-191	SCP099	5/28/2013	Electrical Conductivity	uS/cm	± 0.5%	505	-	-	700	Ag	
Well MW-12-185	SCP040	5/28/2013	Electrical Conductivity	uS/cm	± 0.5%	424	± 0.5%	4160	700	Ag	
San Joaquin River at Sack Dam	SCP041	5/28/2013	Electrical Conductivity	uS/cm	± 0.5%	532	± 0.5%	575	700	Ag	
Poso Canal at Valeria Ave	SCP042	5/28/2013	Electrical Conductivity	uS/cm	± 0.5%	621	-	-	700	Ag	
Well MW-12-183	SCP043	5/28/2013	Electrical Conductivity	uS/cm	± 0.5%	633	± 0.5%	605	700	Ag	
Well MW-11-150	SCP045	5/28/2013	Electrical Conductivity	uS/cm	± 0.5%	524	± 0.5%	524	700	Ag	
Well MW-10-89	SCP046	5/30/2013	Electrical Conductivity	uS/cm	± 0.5%	653	± 0.5%	681	700	Ag	
Sand Slough at El Nido Road	SCP047	5/29/2013	Electrical Conductivity	uS/cm	± 0.5%	1287	± 0.5%	1067	700	Ag	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	Electrical Conductivity	uS/cm	± 0.5%	938	-	-	700	Ag	
Well MW-10-90	SCP050	5/29/2013	Electrical Conductivity	uS/cm	± 0.5%	4608	± 0.5%	4375	700	Ag	
Well MW-12-174	SCP051	5/29/2013	Electrical Conductivity	uS/cm	± 0.5%	2682	± 0.5%	1969	700	Ag	
Well MW-10-94	SCP052	5/29/2013	Electrical Conductivity	uS/cm	± 0.5%	2506	± 0.5%	1983	700	Ag	
Drain Sump L-36	SCP053	5/29/2013	Electrical Conductivity	uS/cm	± 0.5%	1895	± 0.5%	1616	700	Ag	
Well MW-12-170	SCP054	5/29/2013	Electrical Conductivity	uS/cm	± 0.5%	2021	-	-	700	Ag	
Well MW-11-150	SCP055	5/29/2013	Electrical Conductivity	uS/cm	± 0.5%	1382	-</				

Water Quality Monitoring for SJR Seepage Management

Drain Sump L-50	SCP057	5/29/2013	Electrical Conductivity	µS/cm	± 0.5%	1529	± 0.5%	1140	700	Ag	
Drain Sump L-49	SCP058	5/29/2013	Electrical Conductivity	µS/cm	± 0.5%	1258	-	-	700	Ag	
Nickel South Drain Sump	SCP059	5/30/2013	Electrical Conductivity	µS/cm	± 0.5%	2094	± 0.5%	1075	700	Ag	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	Electrical Conductivity	µS/cm	± 0.5%	2040	± 0.5%	2224	700	Ag	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	Electrical Conductivity	µS/cm	± 0.5%	2421	± 0.5%	1877	700	Ag	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	Electrical Conductivity	µS/cm	± 0.5%	1058	± 0.5%	954	700	Ag	
Riverside Canal at Willis Road	SCP063	5/30/2013	Electrical Conductivity	µS/cm	± 0.5%	689	-	-	700	Ag	
Well MW-11-149	SCP065	5/30/2013	Electrical Conductivity	µS/cm	± 0.5%	697	± 0.5%	6110	700	Ag	
Well MW-12-169	SCP066	5/29/2013	Electrical Conductivity	µS/cm	± 0.5%	4747	± 0.5%	4735	700	Ag	
Well MW-12-165	SCP067	5/29/2013	Electrical Conductivity	µS/cm	± 0.5%	8346	± 0.5%	6768	700	Ag	
Well MW-12-177	SCP068	5/29/2013	Electrical Conductivity	µS/cm	± 0.5%	6822	± 0.5%	9342	700	Ag	
Columbia Canal at Eastside Drive	SCP037	5/28/2013	HARDNESS	mg/l	-	46,3732	-	-	-	-	
Well MW-12-190	SCP038	5/28/2013	HARDNESS	mg/l	-	110,063	-	78	-	-	
Well MW-12-191	SCP039	5/28/2013	HARDNESS	mg/l	-	101,692	-	-	-	-	
Well MW-12-185	SCP040	5/28/2013	HARDNESS	mg/l	-	147,242	-	133	-	-	
San Joaquin River at Sack Dam	SCP041	5/28/2013	HARDNESS	mg/l	-	126,662	-	135	-	-	
Poso Canal at Valeria Ave	SCP042	5/28/2013	HARDNESS	mg/l	-	161,483	-	-	-	-	
Well MW-12-183	SCP043	5/28/2013	HARDNESS	mg/l	-	170,867	-	148	-	-	
Well MW-11-150	SCP045	5/28/2013	HARDNESS	mg/l	-	126,799	-	146	-	-	
Well MW-10-89	SCP046	5/30/2013	HARDNESS	mg/l	-	152,373	-	199	-	-	
Sand Slough at El Nido Road	SCP047	5/29/2013	HARDNESS	mg/l	-	326,341	-	246	-	-	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	HARDNESS	mg/l	-	185,712	-	-	-	-	
Well MW-10-90	SCP050	5/29/2013	HARDNESS	mg/l	-	703,83	-	716	-	-	
Well MW-12-174	SCP051	5/29/2013	HARDNESS	mg/l	-	534,252	-	319	-	-	
Well MW-10-94	SCP052	5/29/2013	HARDNESS	mg/l	-	426,881	-	328	-	-	
Drain Sump L-36	SCP053	5/29/2013	HARDNESS	mg/l	-	382,072	-	336	-	-	
Well MW-12-170	SCP054	5/29/2013	HARDNESS	mg/l	-	381,194	-	-	-	-	
Drain Sump L-43	SCP055	5/29/2013	HARDNESS	mg/l	-	316,216	-	-	-	-	
Well MW-12-172	SCP056	5/29/2013	HARDNESS	mg/l	-	253,324	-	271	-	-	
Drain Sump L-50	SCP057	5/29/2013	HARDNESS	mg/l	-	359,132	-	271	-	-	
Drain Sump L-49	SCP058	5/29/2013	HARDNESS	mg/l	-	320,606	-	-	-	-	
Nickel South Drain Sump	SCP059	5/30/2013	HARDNESS	mg/l	-	655,808	-	378	-	-	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	HARDNESS	mg/l	-	663,766	-	867	-	-	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	HARDNESS	mg/l	-	759,256	-	639	-	-	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	HARDNESS	mg/l	-	332,02	-	292	-	-	
Riverside Canal at Willis Road	SCP063	5/30/2013	HARDNESS	mg/l	-	168,974	-	-	-	-	
Well MW-11-149	SCP065	5/30/2013	HARDNESS	mg/l	-	259,937	-	236	-	-	
Well MW-12-169	SCP066	5/29/2013	HARDNESS	mg/l	-	1435,644	-	1809	-	-	
Well MW-12-165	SCP067	5/29/2013	HARDNESS	mg/l	-	2832,32	-	2363	-	-	
Well MW-12-177	SCP068	5/29/2013	HARDNESS	mg/l	-	2689,91	-	4176	-	-	
Columbia Canal at Eastside Drive	SCP037	5/28/2013	LEAD	ug/l	0.2	0.45	-	-	1.2	CTR-CC ⁴	
Well MW-12-190	SCP038	5/28/2013	LEAD	ug/l	0.2	0.4	0.2	2.5	3.6	CTR-CC ⁴	
Well MW-12-191	SCP039	5/28/2013	LEAD	ug/l	0.2	0.67	-	-	3.3	CTR-CC ⁴	
Well MW-12-185	SCP040	5/28/2013	LEAD	ug/l	0.2	0.46	0.2	6.8	5.2	CTR-CC ⁴	
San Joaquin River at Sack Dam	SCP041	5/28/2013	LEAD	ug/l	0.2	0.35	0.2	0.23	4.3	CTR-CC ⁴	
Poso Canal at Valeria Ave	SCP042	5/28/2013	LEAD	ug/l	0.2	1.2	-	-	5.8	CTR-CC ⁴	
Well MW-12-183	SCP043	5/28/2013	LEAD	ug/l	0.2	< 0.2	0.2	< 0.2	6.3	CTR-CC ⁴	
Well MW-11-150	SCP045	5/28/2013	LEAD	ug/l	0.2	1.4	0.2	3.6	4.3	CTR-CC ⁴	
Well MW-10-89	SCP046	5/30/2013	LEAD	ug/l	0.2	1.9	0.2	0.24	5.4	CTR-CC ⁴	
Sand Slough at El Nido Road	SCP047	5/29/2013	LEAD	ug/l	0.2	0.87	0.2	0.3	14.3	CTR-CC ⁴	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	LEAD	ug/l	0.2	0.29	-	-	7	CTR-CC ⁴	
Well MW-10-90	SCP050	5/29/2013	LEAD	ug/l	0.2	0.4	0.2	0.64	38.2	CTR-CC ⁴	
Well MW-12-174	SCP051	5/29/2013	LEAD	ug/l	0.2	< 0.2	0.2	< 0.2	26.8	CTR-CC ⁴	
Well MW-10-94	SCP052	5/29/2013	LEAD	ug/l	0.2	< 0.2	0.2	0.49	20.2	CTR-CC ⁴	
Drain Sump L-36	SCP053	5/29/2013	LEAD	ug/l	0.2	< 0.2	0.2	< 0.2	17.5	CTR-CC ⁴	
Well MW-12-170	SCP054	5/29/2013	LEAD	ug/l	0.2	0.22	-	-	17.5	CTR-CC ⁴	
Drain Sump L-43	SCP055	5/29/2013	LEAD	ug/l	0.2	0.28	-	-	13.8	CTR-CC ⁴	
Well MW-12-172	SCP056	5/29/2013	LEAD	ug/l	0.2	< 0.2	0.2	< 0.2	10.4	CTR-CC ⁴	
Drain Sump L-50	SCP057	5/29/2013	LEAD	ug/l	0.2	< 0.2	0.2	< 0.2	16.2	CTR-CC ⁴	
Drain Sump L-49	SCP058	5/29/2013	LEAD	ug/l	0.2	< 0.2	-	-	14	CTR-CC ⁴	
Nickel South Drain Sump	SCP059	5/30/2013	LEAD	ug/l	0.2	< 0.2	0.2	< 0.2	34.9	CTR-CC ⁴	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	LEAD	ug/l	0.2	< 0.2	0.2	< 0.2	35.4	CTR-CC ⁴	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	LEAD	ug/l	0.2	< 0.2	0.2	< 0.2	42	CTR-CC ⁴	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	LEAD	ug/l	0.2	< 0.2	0.2	< 0.2	14.7	CTR-CC ⁴	
Riverside Canal at Willis Road	SCP063	5/30/2013	LEAD	ug/l	0.2	1	-	-	6.2	CTR-CC ⁴	
Well MW-11-149	SCP065	5/30/2013	LEAD	ug/l	0.2	7.3	0.2	8.6	10.7	CTR-CC ⁴	
Well MW-12-169	SCP066	5/29/2013	LEAD	ug/l	0.2	< 0.2	1	< 1.0	94.9	CTR-CC ⁴	
Well MW-12-165	SCP067	5/29/2013	LEAD	ug/l	0.2	0.41	1	< 1.0	224.5	CTR-CC ⁴	
Well MW-12-177	SCP068	5/29/2013	LEAD	ug/l	0.2	0.34	1	1.7	210.2	CTR-CC ⁴	
Columbia Canal at Eastside Drive	SCP037	5/28/2013	MAGNESIUM	mg/l	0.025	5.2	-	-	-	-	
Well MW-12-190	SCP038	5/28/2013	MAGNESIUM	mg/l	0.025	14	0.025	8.1	-	-	
Well MW-12-191	SCP039	5/28/2013	MAGNESIUM	mg/l	0.025	15	-	-	-	-	
Well MW-12-185	SCP040	5/28/2013	MAGNESIUM	mg/l	0.025	20	0.025	19	-	-	
San Joaquin River at Sack Dam	SCP041	5/28/2013	MAGNESIUM	mg/l	0.025	15	0.025	14	-	-	
Poso Canal at Valeria Ave	SCP042	5/28/2013	MAGNESIUM	mg/l	0.025	18	-	-	-	-	
Well MW-12-183	SCP043	5/28/2013	MAGNESIUM	mg/l	0.025	13	0.025	9.9	-	-	
Well MW-11-150	SCP045	5/28/2013	MAGNESIUM	mg/l	0.025	12	0.025	13	-	-	
Well MW-10-89	SCP046	5/30/2013	MAGNESIUM	mg/l	0.025	17	0.025	21	-	-	
Sand Slough at El Nido Road	SCP047	5/29/2013	MAGNESIUM	mg/l	0.025	35	0.5	33	-	-	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	MAGNESIUM	mg/l	0.025	16	-	-	-	-	
Well MW-10-90	SCP050	5/29/2013	MAGNESIUM	mg/l	0.025	80	0.5	83	-	-	
Well MW-12-174	SCP051	5/29/2013	MAGNESIUM	mg/l	0.025	57	0.5	35	-	-	
Well MW-10-94	SCP052	5/29/2013	MAGNESIUM	mg/l	0.025	57	0.5	44	-	-	
Drain Sump L-36	SCP053	5/29/2013	MAGNESIUM	mg/l	0.025	54	0.5	47	-	-	
Well MW-12-170	SCP054	5/29/2013	MAGNESIUM	mg/l	0.025	55	-	-	-	-	
Drain Sump L-43	SCP055	5/29/2013	MAGNESIUM	mg/l	0.025	38	-	-	-	-	
Well MW-12-172	SCP056	5/29/2013	MAGNESIUM	mg/l	0.025	30	0.5	33	-	-	
Drain Sump L-50	SCP057	5/29/2013	MAGNESIUM	mg/l	0.025	46	0.5	35	-	-	
Drain Sump L-49	SCP058	5/29/2013	MAGNESIUM	mg/l	0.025	33	-	-	-	-	
Nickel South Drain Sump	SCP059	5/30/2013	MAGNESIUM	mg/l	0.025	38	0.025	19	-	-	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	MAGNESIUM	mg/l	0.025	46	0.5	65	-	-	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	MAGNESIUM	mg/l	0.025	51	0.5	46	-	-	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	MAGNESIUM	mg/l	0.025	20	0.025	17	-	-	
Riverside Canal at Willis Road	SCP063	5/30/2013	MAGNESIUM	mg/l	0.025	18	-	-	-	-	
Well MW-11-149	SCP065	5/30/2013	MAGNESIUM	mg/l	0.025	31	0.025	27	-	-	
Well MW-12-169	SCP066	5/29/2013	MAGNESIUM	mg/l	0.025	94	0.5	130	-	-	
Well MW-12-165	SCP067	5/29/2013	MAGNESIUM	mg/l	0.025	130	0.5	210	-	-	
Well MW-12-177	SCP068	5/29/2013	MAGNESIUM	mg/l	0.025	150	2.5	420	-	-	
Columbia Canal at Eastside Drive	SCP037	5/28/2013	MERCURY	ng/l	2	< 2	-	-	770	NRWQC-CC	
Well MW-12-190	SCP038	5/28/2013	MERCURY	ng/l	2	10	10	< 10	770	NRWQC-CC	
Well MW-12-191	SCP039	5/28/2013	MERCURY	ng/l	2	16	2	3	770	NRWQC-CC	
Well MW-12-185	SCP040	5/28/2013	MERCURY	ng/l	2	16	10	23	770	NRWQC-CC	
San Joaquin River at Sack Dam	SCP041	5/28/2013	MERCURY	ng/l	2	3.8	2	2.4	770	NRWQC-CC	
Poso Canal at Valeria Ave	SCP042	5/28/2013	MERCURY	ng/l	2	15	-	-	770	NRWQC-CC	
Well MW-12-183	SCP043</										

Water Quality Monitoring for SJR Seepage Management

Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	MERCURY	ug/l	2	<2	2	<2.0	770	NRWQC-CC
Nickel North Drain Sump - East (river/canal side) Drain	SCP063	5/29/2013	MERCURY	ug/l	2	<2	2	<2.0	770	NRWQC-CC
Riverside Canal at Willis Road	SCP063	5/30/2013	MERCURY	ug/l	2	8.9	-	-	770	NRWQC-CC
Well MW-11-149	SCP065	5/30/2013	MERCURY	ug/l	2	14	10	27	770	NRWQC-CC
Well MW-12-169	SCP066	5/29/2013	MERCURY	ug/l	2	2.7	2	3.1	770	NRWQC-CC
Well MW-12-165	SCP067	5/29/2013	MERCURY	ug/l	2	37	2	11	770	NRWQC-CC
Well MW-12-177	SCP068	5/29/2013	MERCURY	ug/l	2	8.2	2	8.6	770	NRWQC-CC
Columbia Canal at Eastside Drive	SCP037	5/28/2013	MOLYBDENUM	ug/l	0.5	2.5	-	-	19	BP
Well MW-12-190	SCP038	5/28/2013	MOLYBDENUM	ug/l	0.5	1.8	0.5	1	19	BP
Well MW-12-191	SCP039	5/28/2013	MOLYBDENUM	ug/l	0.5	5.7	-	-	19	BP
Well MW-12-185	SCP040	5/28/2013	MOLYBDENUM	ug/l	0.5	2.9	0.5	3.2	19	BP
San Joaquin River at Sack Dam	SCP041	5/28/2013	MOLYBDENUM	ug/l	0.5	1.8	0.5	2.9	19	BP
Poso Canal at Valeria Ave	SCP042	5/28/2013	MOLYBDENUM	ug/l	0.5	2.2	-	-	19	BP
Well MW-12-183	SCP043	5/28/2013	MOLYBDENUM	ug/l	0.5	5.3	0.5	7.7	19	BP
Well MW-11-150	SCP045	5/28/2013	MOLYBDENUM	ug/l	0.5	3.4	0.5	4.1	19	BP
Well MW-10-89	SCP046	5/30/2013	MOLYBDENUM	ug/l	0.5	0.71	0.5	1.1	19	BP
Sand Slough at El Nido Road	SCP047	5/29/2013	MOLYBDENUM	ug/l	0.5	12	0.5	17	19	BP
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	MOLYBDENUM	ug/l	0.5	7.3	-	-	19	BP
Well MW-10-90	SCP050	5/29/2013	MOLYBDENUM	ug/l	0.5	51	0.5	56	19	BP
Well MW-12-174	SCP051	5/29/2013	MOLYBDENUM	ug/l	0.5	9	0.5	15	19	BP
Well MW-10-94	SCP052	5/29/2013	MOLYBDENUM	ug/l	0.5	16	0.5	18	19	BP
Drain Sump L-36	SCP053	5/29/2013	MOLYBDENUM	ug/l	0.5	27	0.5	23	19	BP
Well MW-12-170	SCP054	5/29/2013	MOLYBDENUM	ug/l	0.5	6.3	-	-	19	BP
Drain Sump L-43	SCP055	5/29/2013	MOLYBDENUM	ug/l	0.5	21	-	-	19	BP
Well MW-12-172	SCP056	5/29/2013	MOLYBDENUM	ug/l	0.5	22	0.5	19	19	BP
Drain Sump L-50	SCP057	5/29/2013	MOLYBDENUM	ug/l	0.5	14	0.5	16	19	BP
Drain Sump L-49	SCP058	5/29/2013	MOLYBDENUM	ug/l	0.5	13	-	-	19	BP
Nickel South Drain Sump	SCP059	5/30/2013	MOLYBDENUM	ug/l	0.5	4.9	0.5	4.5	19	BP
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	MOLYBDENUM	ug/l	0.5	5.7	0.5	5.5	19	BP
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	MOLYBDENUM	ug/l	0.5	12	0.5	6.8	19	BP
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	MOLYBDENUM	ug/l	0.5	3.4	0.5	4.6	19	BP
Riverside Canal at Willis Road	SCP063	5/30/2013	MOLYBDENUM	ug/l	0.5	2.7	-	-	19	BP
Well MW-11-149	SCP065	5/30/2013	MOLYBDENUM	ug/l	0.5	2.5	0.5	<0.5	19	BP
Well MW-12-169	SCP066	5/29/2013	MOLYBDENUM	ug/l	0.5	0.76	2.5	<2.5	19	BP
Well MW-12-165	SCP067	5/29/2013	MOLYBDENUM	ug/l	0.5	7	2.5	8.1	19	BP
Well MW-12-177	SCP068	5/29/2013	MOLYBDENUM	ug/l	0.5	2.4	2.5	<2.5	19	BP
Columbia Canal at Eastside Drive	SCP037	5/28/2013	NICKEL	ug/l	0.5	0.6	-	-	27	CTR-CC'
Well MW-12-190	SCP038	5/28/2013	NICKEL	ug/l	0.5	10	0.5	4.3	57	CTR-CC'
Well MW-12-191	SCP039	5/28/2013	NICKEL	ug/l	0.5	16	-	-	53	CTR-CC'
Well MW-12-185	SCP040	5/28/2013	NICKEL	ug/l	0.5	14	0.5	22	72	CTR-CC'
San Joaquin River at Sack Dam	SCP041	5/28/2013	NICKEL	ug/l	0.5	2	0.5	1.3	64	CTR-CC'
Poso Canal at Valeria Ave	SCP042	5/28/2013	NICKEL	ug/l	0.5	5.4	-	-	78	CTR-CC'
Well MW-12-183	SCP043	5/28/2013	NICKEL	ug/l	0.5	1.2	0.5	1.3	82	CTR-CC'
Well MW-11-150	SCP045	5/28/2013	NICKEL	ug/l	0.5	3.3	0.5	8.2	64	CTR-CC'
Well MW-10-89	SCP046	5/30/2013	NICKEL	ug/l	0.5	4.9	0.5	1.5	74	CTR-CC'
Sand Slough at El Nido Road	SCP047	5/29/2013	NICKEL	ug/l	0.5	3.9	0.5	1.7	142	CTR-CC'
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	NICKEL	ug/l	0.5	1.3	-	-	88	CTR-CC'
Well MW-10-90	SCP050	5/29/2013	NICKEL	ug/l	0.5	7.5	0.5	8.4	272	CTR-CC'
Well MW-12-174	SCP051	5/29/2013	NICKEL	ug/l	0.5	3.3	0.5	1.7	215	CTR-CC'
Well MW-12-190	SCP052	5/29/2013	NICKEL	ug/l	0.5	6.4	0.5	8.7	178	CTR-CC'
Drain Sump L-36	SCP053	5/29/2013	NICKEL	ug/l	0.5	1.7	0.5	1.2	162	CTR-CC'
Well MW-12-170	SCP054	5/29/2013	NICKEL	ug/l	0.5	2.1	-	-	162	CTR-CC'
Drain Sump L-43	SCP055	5/29/2013	NICKEL	ug/l	0.5	2.8	-	-	138	CTR-CC'
Well MW-12-172	SCP056	5/29/2013	NICKEL	ug/l	0.5	<0.5	0.5	1.3	114	CTR-CC'
Drain Sump L-50	SCP057	5/29/2013	NICKEL	ug/l	0.5	0.92	0.5	0.82	154	CTR-CC'
Drain Sump L-49	SCP058	5/29/2013	NICKEL	ug/l	0.5	0.69	-	-	140	CTR-CC'
Nickel South Drain Sump	SCP059	5/30/2013	NICKEL	ug/l	0.5	6.2	0.5	1.2	256	CTR-CC'
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	NICKEL	ug/l	0.5	2.6	0.5	2	259	CTR-CC'
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	NICKEL	ug/l	0.5	5.1	0.5	1.9	290	CTR-CC'
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	NICKEL	ug/l	0.5	1.2	0.5	1.2	144	CTR-CC'
Riverside Canal at Willis Road	SCP063	5/30/2013	NICKEL	ug/l	0.5	4	-	-	81	CTR-CC'
Well MW-11-149	SCP065	5/30/2013	NICKEL	ug/l	0.5	30	0.5	32	117	CTR-CC'
Well MW-12-169	SCP066	5/29/2013	NICKEL	ug/l	0.5	3.3	2.5	4.6	497	CTR-CC'
Well MW-12-165	SCP067	5/29/2013	NICKEL	ug/l	0.5	3	2.5	4.8	883	CTR-CC'
Well MW-12-177	SCP068	5/29/2013	NICKEL	ug/l	0.5	2.8	2.5	14	845	CTR-CC'
Columbia Canal at Eastside Drive	SCP037	5/28/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	0.5	<0.5	T	-	5	Irrig Suit
Well MW-12-190	SCP038	5/28/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	0.5	<0.5	T	0.5	1.9	Irrig Suit
Well MW-12-191	SCP039	5/28/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	0.5	5	T	-	5	Irrig Suit
Well MW-12-185	SCP040	5/28/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	0.5	<0.5	T	0.5	<0.5	Irrig Suit
San Joaquin River at Sack Dam	SCP041	5/28/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	0.5	3.1	T	0.5	3	Irrig Suit
Poso Canal at Valeria Ave	SCP042	5/28/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	0.5	3.9	T	-	5	Irrig Suit
Well MW-12-183	SCP043	5/28/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	0.5	<0.5	T	0.5	<0.5	Irrig Suit
Well MW-11-150	SCP045	5/28/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	0.5	1.1	T	0.5	1.2	Irrig Suit
Well MW-10-89	SCP046	5/30/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	0.5	35	T	0.5	19	Irrig Suit
Sand Slough at El Nido Road	SCP047	5/29/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	0.5	17	T	0.5	6.4	Irrig Suit
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	0.5	6.4	T	-	5	Analyzed past 48 hour holding time
Well MW-10-90	SCP050	5/29/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	0.5	5	T	0.5	2.5	Irrig Suit
Well MW-12-170	SCP051	5/29/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	0.5	2.5	T	0.5	120	Analyzed past 48 hour holding time
Well MW-12-172	SCP052	5/29/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	0.5	67	T	0.5	120	Irrig Suit
Well MW-10-94	SCP053	5/29/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	0.5	36	T	0.5	28	Irrig Suit
Drain Sump L-36	SCP054	5/29/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	1	12	T	0.5	12	Irrig Suit
Well MW-12-170	SCP055	5/29/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	1	<1	T	-	5	Irrig Suit
Drain Sump L-43	SCP056	5/29/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	1	22	T	-	5	Irrig Suit
Well MW-12-172	SCP057	5/29/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	0.5	6.4	T	0.5	8	Irrig Suit
Drain Sump L-50	SCP058	5/29/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	1	24	T	0.5	11	Irrig Suit
Drain Sump L-49	SCP059	5/29/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	1	16	T	-	5	Irrig Suit
Nickel South Drain Sump	SCP059	5/30/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	1	73	T	0.5	29	Irrig Suit
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	2.5	96	T	2.5	86	Irrig Suit
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	5	120	T	1	71	Irrig Suit
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	0.5	25	T	0.5	12	Irrig Suit
Riverside Canal at Willis Road	SCP063	5/30/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	0.5	3.8	-	-	5	Irrig Suit
Well MW-11-149	SCP065	5/30/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	0.5	3.8	0.5	6	5	Irrig Suit
Well MW-12-169	SCP066	5/29/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	5	32	T	2.5	48	Irrig Suit
Well MW-12-165	SCP067	5/29/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	5	84	T	5	52	Irrig Suit
Well MW-12-177	SCP068	5/29/2013	NITRATE AS NO3 (DISSOLVED)	mg/l	2.5	14	T	10	34	Irrig Suit
Columbia Canal at Eastside Drive	SCP037	5/28/2013	ORTHOphosphate AS PO4 (DISSOLVED)	mg/l	0.6	<0.6	T	-	-	Analyzed past 48 hour holding time
Well MW-12-190	SCP038	5/28/2013	ORTHOphosphate AS PO4 (DISSOLVED)	mg/l	0.6	<0.6	T	0.6	<0.6	Analyzed past 48 hour holding time
Well MW-12-191	SCP039	5/28/2013	ORTHOphosphate AS PO4 (DISSOLVED)	mg/l	0.6	<0.6	T	-	-	Analyzed past 48 hour holding time
Well MW-12-185	SCP040	5/28/2013	ORTHOphosphate AS PO4 (DISSOLVED)	mg/l	0.6	<0.6	T	0.6	<0.6	Analyzed past 48 hour holding time
San Joaquin River at Sack Dam	SCP041	5/28/2013	ORTHOphosphate AS PO4 (DISSOLVED)	mg/l	0.6	<0.6	T	0.6	<0.6	Analyzed past 48 hour holding time
Poso Canal at Valeria Ave	SCP042	5/28/2013	ORTHOphosphate AS PO4 (DISSOLVED)	mg/l	0.6	<0.6	T	-	-	Analyzed past 48 hour holding time
Well MW-12-183	SCP043	5/28/2013	ORTHOphosphate AS PO4 (DISSOLVED)	mg/l	0.6	<0.6	T	-	-	Analyzed past 48 hour holding time
Well MW-11-150	SCP045	5/28/2013	ORTHOphosphate AS PO4 (DISSOLVED)	mg/l	0.6	<0.6	T	0.6	<0.6	Analyzed past 48 hour holding time
Well MW-10-89	SCP046	5/30/2013	ORTHOphosphate AS PO4 (DISSOLVED)	mg/l	0.6	<0.6	T	0.6	<0.6	Analyzed past 48 hour holding time
Sand Slough at El Nido Road	SCP047	5/29/2013	ORTHOphosphate AS PO4 (DISSOLVED)	mg/l	1.2	<1.2	T	0.6	<0.6	Analyzed past 48 hour holding time
Well MW-12-174	SCP049	5/29/2013	ORTHOphosphate AS PO4 (DISSOLVED)	mg/l	0.6	<0.6	T	-	-	Analyzed past 48 hour holding time
Well MW-12-190	SCP051	5/29/2013	ORTHOphosphate AS PO4 (DISSOLVED)	mg/l	1.2					

Water Quality Monitoring for SJR Seepage Management

Riverside Canal at Willis Road	SCP063	5/30/2013	ORTHOPHOSPHATE AS PO4 (DISSOLVED)	mg/l	0.6	< 0.6	-	-	-	-	
Well MW-11-149	SCP065	5/30/2013	ORTHOPHOSPHATE AS PO4 (DISSOLVED)	mg/l	0.6	< 0.6	0.6	< 0.6	-	-	
Well MW-12-169	SCP066	5/29/2013	ORTHOPHOSPHATE AS PO4 (DISSOLVED)	mg/l	6	< 6	T	3	< 3.0	-	Analyzed past 48 hour holding time
Well MW-12-165	SCP067	5/29/2013	ORTHOPHOSPHATE AS PO4 (DISSOLVED)	mg/l	6	< 6	T	6	< 6.0	-	Analyzed past 48 hour holding time
Well MW-12-177	SCP068	5/29/2013	ORTHOPHOSPHATE AS PO4 (DISSOLVED)	mg/l	3	< 3	T	12	< 32	-	Analyzed past 48 hour holding time
Columbia Canal at Eastside Drive	SCP037	5/28/2013	pH	units	± 0.2	8	-	-	6.5-8.5	Ag	
Well MW-12-190	SCP038	5/28/2013	pH	units	± 0.2	7.2	± 0.2	7.1	6.5-8.5	Ag	
Well MW-12-191	SCP039	5/28/2013	pH	units	± 0.2	7.3	-	-	6.5-8.5	Ag	
Well MW-12-185	SCP040	5/28/2013	pH	units	± 0.2	7.2	± 0.2	7.2	6.5-8.5	Ag	
San Joaquin River at Sack Dam	SCP041	5/28/2013	pH	units	± 0.2	8.1	± 0.2	8.7	6.5-8.5	Ag	
Poso Canal at Valeria Ave	SCP042	5/28/2013	pH	units	± 0.2	8	-	-	6.5-8.5	Ag	
Well MW-12-183	SCP043	5/28/2013	pH	units	± 0.2	6.8	± 0.2	6.7	6.5-8.5	Ag	
Well MW-11-150	SCP045	5/28/2013	pH	units	± 0.2	6.7	± 0.2	6.9	6.5-8.5	Ag	
Well MW-10-89	SCP046	5/30/2013	pH	units	± 0.2	6.8	± 0.2	6.7	6.5-8.5	Ag	
Sand Slough at El Nido Road	SCP047	5/29/2013	pH	units	± 0.2	8.4	± 0.2	8.8	6.5-8.5	Ag	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	pH	units	± 0.2	8.4	-	-	6.5-8.5	Ag	
Well MW-10-90	SCP050	5/29/2013	pH	units	± 0.2	7.6	± 0.2	7.4	6.5-8.5	Ag	
Well MW-12-174	SCP051	5/29/2013	pH	units	± 0.2	7.7	± 0.2	7.8	6.5-8.5	Ag	
Well MW-10-94	SCP052	5/29/2013	pH	units	± 0.2	7.6	± 0.2	7.8	6.5-8.5	Ag	
Drain Sump L-36	SCP053	5/29/2013	pH	units	± 0.2	7.5	± 0.2	7.6	6.5-8.5	Ag	
Well MW-12-170	SCP054	5/29/2013	pH	units	± 0.2	7.4	-	-	6.5-8.5	Ag	
Drain Sump L-43	SCP055	5/29/2013	pH	units	± 0.2	7.6	-	-	6.5-8.5	Ag	
Well MW-12-190	SCP055	5/29/2013	POTASSIUM	mg/l	0.5	1.7	-	-	-	-	
Well MW-12-191	SCP038	5/28/2013	POTASSIUM	mg/l	0.5	16	10	17	-	-	
Well MW-12-185	SCP039	5/28/2013	POTASSIUM	mg/l	0.5	9.2	-	-	-	-	
San Joaquin River at Sack Dam	SCP040	5/28/2013	POTASSIUM	mg/l	0.5	9.4	10	12	-	-	
Poso Canal at Valeria Ave	SCP041	5/28/2013	POTASSIUM	mg/l	0.5	3	0.5	2.4	-	-	
Well MW-12-169	SCP042	5/28/2013	POTASSIUM	mg/l	0.5	3.6	-	-	-	-	
Well MW-12-165	SCP043	5/28/2013	POTASSIUM	mg/l	0.5	0.7	0.5	0.65	-	-	
Well MW-12-177	SCP045	5/28/2013	POTASSIUM	mg/l	0.5	2.3	0.5	3.5	-	-	
Well MW-11-150	SCP046	5/30/2013	POTASSIUM	mg/l	0.5	4.8	0.5	5	-	-	
Well MW-10-89	SCP046	5/30/2013	POTASSIUM	mg/l	0.5	3.3	0.5	1.1	-	-	
Sand Slough at El Nido Road	SCP047	5/29/2013	POTASSIUM	mg/l	0.5	2.2	0.5	3	-	-	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	POTASSIUM	mg/l	0.5	5.1	-	-	-	-	
Well MW-10-90	SCP050	5/29/2013	POTASSIUM	mg/l	0.5	3	0.5	3	-	-	
Well MW-12-174	SCP051	5/29/2013	POTASSIUM	mg/l	0.5	1.5	0.5	1.6	-	-	
Well MW-10-94	SCP052	5/29/2013	POTASSIUM	mg/l	0.5	1.9	0.5	2	-	-	
Drain Sump L-36	SCP053	5/29/2013	POTASSIUM	mg/l	0.5	< 0.5	0.5	< 0.5	-	-	
Well MW-12-170	SCP054	5/29/2013	POTASSIUM	mg/l	0.5	0.94	-	-	-	-	
Drain Sump L-43	SCP055	5/29/2013	POTASSIUM	mg/l	0.5	1.5	-	-	-	-	
Well MW-12-172	SCP056	5/29/2013	POTASSIUM	mg/l	0.5	0.65	0.5	0.72	-	-	
Drain Sump L-50	SCP057	5/29/2013	POTASSIUM	mg/l	0.5	0.77	0.5	0.6	-	-	
Drain Sump L-49	SCP058	5/29/2013	POTASSIUM	mg/l	0.5	1.1	-	-	-	-	
Nickel South Drain Sump	SCP059	5/30/2013	POTASSIUM	mg/l	0.5	1.8	0.5	1.7	-	-	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	POTASSIUM	mg/l	0.5	0.95	0.5	0.95	-	-	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	POTASSIUM	mg/l	0.5	1.9	0.5	1.2	-	-	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	POTASSIUM	mg/l	0.5	1.1	0.5	1	-	-	
Riverside Canal at Willis Road	SCP063	5/30/2013	POTASSIUM	mg/l	0.5	3.5	-	-	-	-	
Well MW-11-149	SCP065	5/30/2013	POTASSIUM	mg/l	0.5	9.2	0.5	5	-	-	
Well MW-12-169	SCP066	5/29/2013	POTASSIUM	mg/l	0.5	2.2	0.5	2.3	-	-	
Well MW-12-165	SCP067	5/29/2013	POTASSIUM	mg/l	0.5	5.3	0.5	5.7	-	-	
Well MW-12-177	SCP068	5/29/2013	POTASSIUM	mg/l	0.5	4700	10	11	-	-	
Columbia Canal at Eastside Drive	SCP037	5/28/2013	SELENIUM	ug/l	0.4	< 0.4	0.4	< 0.4	5	Basin Plan	
Well MW-12-190	SCP038	5/28/2013	SELENIUM	ug/l	0.4	< 0.4	0.4	< 0.4	5	Basin Plan	
Well MW-12-191	SCP039	5/28/2013	SELENIUM	ug/l	0.4	0.4	-	-	5	Basin Plan	
Well MW-12-185	SCP040	5/28/2013	SELENIUM	ug/l	0.4	< 0.4	0.4	0.4	5	Basin Plan	
San Joaquin River at Sack Dam	SCP041	5/28/2013	SELENIUM	ug/l	0.4	0.7	0.4	1	5	Basin Plan	
Poso Canal at Valeria Ave	SCP042	5/28/2013	SELENIUM	ug/l	0.4	0.6	-	-	5	Basin Plan	
Well MW-12-183	SCP043	5/28/2013	SELENIUM	ug/l	0.4	< 0.4	0.4	< 0.4	5	Basin Plan	
Well MW-11-150	SCP045	5/28/2013	SELENIUM	ug/l	0.4	< 0.4	0.4	< 0.4	5	Basin Plan	
Well MW-10-89	SCP046	5/30/2013	SELENIUM	ug/l	0.4	1.4	0.4	1.2	5	Basin Plan	
Sand Slough at El Nido Road	SCP047	5/29/2013	SELENIUM	ug/l	0.4	< 0.4	0.4	< 0.4	5	Basin Plan	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	SELENIUM	ug/l	0.4	< 0.4	-	-	5	Basin Plan	
Well MW-10-90	SCP050	5/29/2013	SELENIUM	ug/l	0.4	1.8	0.4	1.9	5	Basin Plan	
Well MW-12-174	SCP051	5/29/2013	SELENIUM	ug/l	0.4	3.1	0.4	2.1	5	Basin Plan	
Well MW-10-94	SCP052	5/29/2013	SELENIUM	ug/l	0.4	2.5	0.4	1.6	5	Basin Plan	
Drain Sump L-36	SCP053	5/29/2013	SELENIUM	ug/l	0.4	0.6	0.4	0.7	5	Basin Plan	
Well MW-12-170	SCP054	5/29/2013	SELENIUM	ug/l	0.4	< 0.4	-	-	5	Basin Plan	
Drain Sump L-43	SCP055	5/29/2013	SELENIUM	ug/l	0.4	0.5	-	-	5	Basin Plan	
Well MW-12-172	SCP056	5/29/2013	SELENIUM	ug/l	0.4	< 0.4	0.4	< 0.4	5	Basin Plan	
Drain Sump L-50	SCP057	5/29/2013	SELENIUM	ug/l	0.4	< 0.4	0.4	< 0.4	5	Basin Plan	
Drain Sump L-49	SCP058	5/29/2013	SELENIUM	ug/l	0.4	< 0.4	-	-	5	Basin Plan	
Nickel South Drain Sump	SCP059	5/30/2013	SELENIUM	ug/l	0.4	2.8	0.4	1.2	5	Basin Plan	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	SELENIUM	ug/l	0.4	2.7	0.4	2.3	5	Basin Plan	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	SELENIUM	ug/l	0.4	3	0.4	2.1	5	Basin Plan	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	SELENIUM	ug/l	0.4	0.9	0.4	0.6	5	Basin Plan	
Riverside Canal at Willis Road	SCP063	5/30/2013	SELENIUM	ug/l	0.4	0.5	-	-	5	Basin Plan	
Well MW-11-149	SCP065	5/30/2013	SELENIUM	ug/l	0.4	1	0.4	0.9	5	Basin Plan	
Well MW-12-169	SCP066	5/29/2013	SELENIUM	ug/l	0.4	0.4	0.4	0.5	5	Basin Plan	
Well MW-12-165	SCP067	5/29/2013	SELENIUM	ug/l	0.4	1.6	0.4	1.4	5	Basin Plan	
Well MW-12-177	SCP068	5/29/2013	SELENIUM	ug/l	0.4	0.5	0.4	0.8	5	Basin Plan	
Columbia Canal at Eastside Drive	SCP037	5/28/2013	SODIUM	mg/l	0.5	48	-	-	69	Irrig Suit + Ag	
Well MW-12-190	SCP038	5/28/2013	SODIUM	mg/l	0.5	61	10	69	69	Irrig Suit + Ag	
Well MW-12-191	SCP039	5/28/2013	SODIUM	mg/l	0.5	76	-	-	69	Irrig Suit + Ag	
Well MW-12-185	SCP040	5/28/2013	SODIUM	mg/l	0.5	49	10	46	69	Irrig Suit + Ag	
San Joaquin River at Sack Dam	SCP041	5/28/2013	SODIUM	mg/l	0.5	61	10	70	69	Irrig Suit + Ag	
Poso Canal at Valeria Ave	SCP042	5/28/2013	SODIUM	mg/l	0.5	76	-	-	69	Irrig Suit + Ag	
Well MW-12-183	SCP043	5/28/2013	SODIUM	mg/l	0.5	72	10	72	69	Irrig Suit + Ag	
Well MW-11-150	SCP045	5/28/2013	SODIUM	mg/l	0.5	65	10	68	69	Irrig Suit + Ag	
Well MW-10-89	SCP046	5/30/2013	SODIUM	mg/l	0.5	78	10	78	69	Irrig Suit + Ag	
Sand Slough at El Nido Road	SCP047	5/29/2013	SODIUM	mg/l	0.5	160	10	160	69	Irrig Suit + Ag	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	SODIUM	mg/l	0.5	130	-	-	69	Irrig Suit + Ag	
Well MW-10-90	SCP050	5/29/2013	SODIUM	mg/l	0.5	650	50	710	69	Irrig Suit + Ag	
Well MW-12-174	SCP051	5/29/2013	SODIUM	mg/l	0.5	380	50	330	69	Irrig Suit + Ag	
Well MW-10-94	SCP052	5/29/2013	SODIUM	mg/l	0.5	410	50	340	69	Irrig Suit + Ag	
Drain Sump L-36	SCP053	5/29/2013	SODIUM	mg/l	0.5	270	50	230	69	Irrig Suit + Ag	
Well MW-12-170	SCP054	5/29/2013	SODIUM	mg/l	0.5	270	-	-	69	Irrig Suit + Ag	
Drain Sump L-43	SCP055	5/29/2013	SODIUM	mg/l	0.5	160	-	-	69	Irrig Suit + Ag	
Well MW-12-172	SCP056	5/29/2013	SODIUM	mg/l	0.5	190	50	210	69	Irrig Suit + Ag	
Drain Sump L-50	SCP057	5/29/2013	SODIUM	mg/l	0.5	140	-	-	69	Irrig Suit + Ag	
Drain Sump L-49	SCP058	5/29/2013	SODIUM	mg/l	0.5	140	-	-	69	Irrig Suit + Ag	
Nickel South Drain Sump	SCP059	5/30/2013	SODIUM	mg/l	0.5	190	10	100	69	Irrig Suit + Ag	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	SODIUM	mg/l	0.5	180	10	190	69	Irrig Suit + Ag	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	SODIUM	mg/l	0.5	230	10	170	69	Irrig Suit + Ag	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	SODIUM	mg/l	0.5						

Water Quality Monitoring for SJR Seepage Management

Well MW-12-177	SCP068	5/29/2013	SODIUM	mg/l	10	670	50	670	69	Irrig Suit + Ag		
Columbia Canal at Eastside Drive	SCP037	5/28/2013	SODIUM ABSORPTION RATIO ^b	-	-	499153270845	-	-	-	-		
Well MW-12-190	SCP038	5/28/2013	SODIUM ABSORPTION RATIO ^b	-	-	922409555692	-	3.38	-	-		
Well MW-12-191	SCP039	5/28/2013	SODIUM ABSORPTION RATIO ^b	-	-	6380214545082	-	-	-	-		
Well MW-12-185	SCP040	5/28/2013	SODIUM ABSORPTION RATIO ^b	-	-	923784937139	-	1.73	-	-		
San Joaquin River at Sack Dam	SCP041	5/28/2013	SODIUM ABSORPTION RATIO ^b	-	-	880469643243	-	2.61	-	-		
Poso Canal at Valeria Ave	SCP042	5/28/2013	SODIUM ABSORPTION RATIO ^b	-	-	214369921774	-	-	-	-		
Well MW-12-183	SCP043	5/28/2013	SODIUM ABSORPTION RATIO ^b	-	-	925043226073	-	2.57	-	-		
Well MW-11-150	SCP045	5/28/2013	SODIUM ABSORPTION RATIO ^b	-	-	282467652636	-	2.44	-	-		
Well MW-10-89	SCP046	5/30/2013	SODIUM ABSORPTION RATIO ^b	-	-	387253278611	-	2.40	-	-		
Sand Slough at El Nido Road	SCP047	5/29/2013	SODIUM ABSORPTION RATIO ^b	-	-	914626879418	-	4.42	-	-		
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	SODIUM ABSORPTION RATIO ^b	-	-	369677005427	-	-	-	-		
Well MW-10-90	SCP050	5/29/2013	SODIUM ABSORPTION RATIO ^b	-	-	185858053569	-	11.50	-	-		
Well MW-12-174	SCP051	5/29/2013	SODIUM ABSORPTION RATIO ^b	-	-	633979431419	-	8.01	-	-		
Well MW-10-94	SCP052	5/29/2013	SODIUM ABSORPTION RATIO ^b	-	-	650248216822	-	8.13	-	-		
Drain Sump L-36	SCP053	5/29/2013	SODIUM ABSORPTION RATIO ^b	-	-	281485600691	-	5.44	-	-		
Well MW-12-170	SCP054	5/29/2013	SODIUM ABSORPTION RATIO ^b	-	-	930029406938	-	-	-	-		
Drain Sump L-43	SCP055	5/29/2013	SODIUM ABSORPTION RATIO ^b	-	-	898072491987	-	-	-	-		
Well MW-12-172	SCP056	5/29/2013	SODIUM ABSORPTION RATIO ^b	-	-	315718722515	-	5.53	-	-		
Drain Sump L-50	SCP057	5/29/2013	SODIUM ABSORPTION RATIO ^b	-	-	381702562729	-	4.21	-	-		
Drain Sump L-49	SCP058	5/29/2013	SODIUM ABSORPTION RATIO ^b	-	-	949767367646	-	-	-	-		
Nickel South Drain Sump	SCP059	5/30/2013	SODIUM ABSORPTION RATIO ^b	-	-	1906584698374	-	2.23	-	-		
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	SODIUM ABSORPTION RATIO ^b	-	-	103044485798	-	2.80	-	-		
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	SODIUM ABSORPTION RATIO ^b	-	-	142984170074	-	2.92	-	-		
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	SODIUM ABSORPTION RATIO ^b	-	-	670620578131	-	2.39	-	-		
Riverside Canal at Willis Road	SCP063	5/30/2013	SODIUM ABSORPTION RATIO ^b	-	-	431909358262	-	-	-	-		
Well MW-11-149	SCP065	5/30/2013	SODIUM ABSORPTION RATIO ^b	-	-	887664100309	-	2.12	-	-		
Well MW-12-169	SCP066	5/29/2013	SODIUM ABSORPTION RATIO ^b	-	-	487022614401	-	3.47	-	-		
Well MW-12-165	SCP067	5/29/2013	SODIUM ABSORPTION RATIO ^b	-	-	898007223273	-	5.89	-	-		
Well MW-12-177	SCP068	5/29/2013	SODIUM ABSORPTION RATIO ^b	-	-	161547877832	-	4.49	-	-		
Columbia Canal at Eastside Drive	SCP037	5/28/2013	SULFATE (DISSOLVED)	mg/l	1	29	-	-	-	-		
Well MW-12-190	SCP038	5/28/2013	SULFATE (DISSOLVED)	mg/l	2	56	2	62	-	-		
Well MW-12-191	SCP039	5/28/2013	SULFATE (DISSOLVED)	mg/l	2	60	-	-	-	-		
Well MW-12-185	SCP040	5/28/2013	SULFATE (DISSOLVED)	mg/l	2	56	2	29	-	-		
San Joaquin River at Sack Dam	SCP041	5/28/2013	SULFATE (DISSOLVED)	mg/l	2	59	5	89	-	-		
Poso Canal at Valeria Ave	SCP042	5/28/2013	SULFATE (DISSOLVED)	mg/l	5	66	-	-	-	-		
Well MW-12-183	SCP043	5/28/2013	SULFATE (DISSOLVED)	mg/l	5	56	2	53	-	-		
Well MW-11-150	SCP045	5/28/2013	SULFATE (DISSOLVED)	mg/l	2	57	2	55	-	-		
Well MW-10-89	SCP046	5/30/2013	SULFATE (DISSOLVED)	mg/l	5	76	5	70	-	-		
Sand Slough at El Nido Road	SCP047	5/29/2013	SULFATE (DISSOLVED)	mg/l	10	80	5	57	-	-		
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	SULFATE (DISSOLVED)	mg/l	10	35	-	-	-	-		
Well MW-10-90	SCP050	5/29/2013	SULFATE (DISSOLVED)	mg/l	20	550	50	470	-	-		
Well MW-12-174	SCP051	5/29/2013	SULFATE (DISSOLVED)	mg/l	5	160	10	140	-	-		
Well MW-10-94	SCP052	5/29/2013	SULFATE (DISSOLVED)	mg/l	20	300	10	250	-	-		
Drain Sump L-36	SCP053	5/29/2013	SULFATE (DISSOLVED)	mg/l	10	130	10	110	-	-		
Well MW-12-170	SCP054	5/29/2013	SULFATE (DISSOLVED)	mg/l	20	120	-	-	-	-		
Drain Sump L-43	SCP055	5/29/2013	SULFATE (DISSOLVED)	mg/l	10	87	-	-	-	-		
Well MW-12-172	SCP056	5/29/2013	SULFATE (DISSOLVED)	mg/l	10	51	10	51	-	-		
Drain Sump L-50	SCP057	5/29/2013	SULFATE (DISSOLVED)	mg/l	10	83	5	55	-	-		
Drain Sump L-49	SCP058	5/29/2013	SULFATE (DISSOLVED)	mg/l	10	71	-	-	-	-		
Nickel South Drain Sump	SCP059	5/30/2013	SULFATE (DISSOLVED)	mg/l	20	350	5	120	-	-		
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	SULFATE (DISSOLVED)	mg/l	20	270	10	280	-	-		
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	SULFATE (DISSOLVED)	mg/l	20	390	10	210	-	-		
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	SULFATE (DISSOLVED)	mg/l	5	130	5	100	-	-		
Riverside Canal at Willis Road	SCP063	5/30/2013	SULFATE (DISSOLVED)	mg/l	5	67	-	-	-	-		
Well MW-11-149	SCP065	5/30/2013	SULFATE (DISSOLVED)	mg/l	5	76	5	68	-	-		
Well MW-12-169	SCP066	5/29/2013	SULFATE (DISSOLVED)	mg/l	20	75	50	100	-	-		
Well MW-12-165	SCP067	5/29/2013	SULFATE (DISSOLVED)	mg/l	5	130	100	160	-	-		
Well MW-12-177	SCP068	5/29/2013	SULFATE (DISSOLVED)	mg/l	20	93	100	140	-	-		
Columbia Canal at Eastside Drive	SCP037	5/28/2013	TDS	mg/l	10	200	-	-	450	Irrig Suit + Ag		
Well MW-12-190	SCP038	5/28/2013	TDS	mg/l	10	280	10	290	450	Irrig Suit + Ag		
Well MW-12-191	SCP039	5/28/2013	TDS	mg/l	10	290	-	-	450	Irrig Suit + Ag		
Well MW-12-185	SCP040	5/28/2013	TDS	mg/l	10	260	10	220	450	Irrig Suit + Ag		
San Joaquin River at Sack Dam	SCP041	5/28/2013	TDS	mg/l	10	310	10	330	450	Irrig Suit + Ag		
Poso Canal at Valeria Ave	SCP042	5/28/2013	TDS	mg/l	10	360	-	-	450	Irrig Suit + Ag		
Well MW-12-183	SCP043	5/28/2013	TDS	mg/l	10	420	10	360	450	Irrig Suit + Ag		
Well MW-11-150	SCP045	5/28/2013	TDS	mg/l	10	340	10	320	450	Irrig Suit + Ag		
Well MW-10-89	SCP046	5/30/2013	TDS	mg/l	10	320	L	10	380	450	Irrig Suit + Ag	External reference - low recovery
Sand Slough at El Nido Road	SCP047	5/29/2013	TDS	mg/l	10	770	10	620	450	Irrig Suit + Ag		
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	TDS	mg/l	10	540	-	-	450	Irrig Suit + Ag		
Well MW-10-90	SCP050	5/29/2013	TDS	mg/l	20	2800	40	2700	450	Irrig Suit + Ag		
Well MW-12-174	SCP051	5/29/2013	TDS	mg/l	20	1500	20	1200	450	Irrig Suit + Ag		
Well MW-10-94	SCP052	5/29/2013	TDS	mg/l	20	1500	20	1200	450	Irrig Suit + Ag		
Drain Sump L-36	SCP053	5/29/2013	TDS	mg/l	20	1100	10	970	450	Irrig Suit + Ag		
Well MW-12-170	SCP054	5/29/2013	TDS	mg/l	20	1100	-	-	450	Irrig Suit + Ag		
Drain Sump L-43	SCP055	5/29/2013	TDS	mg/l	10	840	-	-	450	Irrig Suit + Ag		
Well MW-12-172	SCP056	5/29/2013	TDS	mg/l	10	760	10	810	450	Irrig Suit + Ag		
Drain Sump L-50	SCP057	5/29/2013	TDS	mg/l	10	890	10	690	450	Irrig Suit + Ag		
Drain Sump L-49	SCP058	5/29/2013	TDS	mg/l	10	750	-	-	450	Irrig Suit + Ag		
Nickel South Drain Sump	SCP059	5/30/2013	TDS	mg/l	20	1300	L	10	670	450	Irrig Suit + Ag	External reference - low recovery
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	TDS	mg/l	20	1200	20	1400	450	Irrig Suit + Ag		
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	TDS	mg/l	20	1600	20	1200	450	Irrig Suit + Ag		
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	TDS	mg/l	10	370	L	-	450	Irrig Suit + Ag	External reference - low recovery	
Riverside Canal at Willis Road	SCP063	5/30/2013	TDS	mg/l	10	380	L	10	370	450	Irrig Suit + Ag	External reference - low recovery
Well MW-11-149	SCP065	5/30/2013	TDS	mg/l	10	380	L	10	370	450	Irrig Suit + Ag	External reference - low recovery
Well MW-12-169	SCP066	5/29/2013	TDS	mg/l	100	3700	40	2800	450	Irrig Suit + Ag		
Well MW-12-165	SCP067	5/29/2013	TDS	mg/l	100	6800	100	3700	450	Irrig Suit + Ag		
Well MW-12-177	SCP068	5/29/2013	TDS	mg/l	20	3900	100	5100	450	Irrig Suit + Ag		
Columbia Canal at Eastside Drive	SCP037	5/28/2013	TEMPERATURE	°C	± 0.15	23.5	-	-	-	-		
Well MW-12-190	SCP038	5/28/2013	TEMPERATURE	°C	± 0.15	17.6	± 0.15	18.9	-	-		
Well MW-12-191	SCP039	5/28/2013	TEMPERATURE	°C	± 0.15	18.4	-	-	-	-		
Well MW-12-185	SCP040	5/28/2013	TEMPERATURE	°C	± 0.15	16.7	± 0.15	21.7	-	-		
San Joaquin River at Sack Dam	SCP041	5/28/2013	TEMPERATURE	°C	± 0.15	21.8	± 0.15	9.9	-	-		
Poso Canal at Valeria Ave	SCP042	5/28/2013	TEMPERATURE	°C	± 0.15	21.9	-	-	-	-		
Well MW-12-183	SCP043	5/28/2013	TEMPERATURE	°C	± 0.15	19.4	± 0.15	19.7	-	-		
Well MW-11-150	SCP045	5/28/2013	TEMPERATURE	°C	± 0.15	20.6	± 0.15	18.4	-	-		
Well MW-10-89	SCP046	5/30/2013	TEMPERATURE	°C	± 0.15	18	± 0.15	19.0	-	-		
Sand Slough at El Nido Road	SCP047	5/29/2013	TEMPERATURE	°C	± 0.15	23.7	± 0.15	9.7	-	-		
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	TEMPERATURE	°C	± 0.15	22.6	-	-	-	-		
Well MW-10-90	SCP050	5/29/2013	TEMPERATURE	°C	± 0.15	17.7	± 0.15	17.5	-	-		
Well MW-12-174	SCP051	5/29/2013	TEMPERATURE	°C	± 0.15	17.9	± 0.15	16.5	-	-		
Well MW-10-94	SCP052	5/29/2013	TEMPERATURE	°C	± 0.15	18.4	± 0.15	18.0	-	-		
Drain Sump L-36	SCP053	5/29/2013	TEMPERATURE	°C	± 0.15	17.9	± 0.15	14.9				

Water Quality Monitoring for SJR Seepage Management

Well MW-12-169	SCP066	5/29/2013	TEMPERATURE	°C	± 0.15	20	± 0.15	18.6	-	-	
Well MW-12-165	SCP067	5/29/2013	TEMPERATURE	°C	± 0.15	19.8	± 0.15	18.3	-	-	
Well MW-12-177	SCP068	5/29/2013	TEMPERATURE	°C	± 0.15	18.7	± 0.15	18.6	-	-	
Columbia Canal at Eastside Drive	SCP037	5/28/2013	TKN	mg/l	0.5	< 0.5	-	-	-	-	
Well MW-12-190	SCP038	5/28/2013	TKN	mg/l	0.5	< 0.5	0.5	< 0.50	-	-	
Well MW-12-191	SCP039	5/28/2013	TKN	mg/l	0.5	0.56	-	-	-	-	
Well MW-12-185	SCP040	5/28/2013	TKN	mg/l	0.5	< 0.5	0.5	0.52	-	-	
San Joaquin River at Sack Dam	SCP041	5/28/2013	TKN	mg/l	0.5	< 0.5	0.5	< 0.50	-	-	
Poso Canal at Valeria Ave	SCP042	5/28/2013	TKN	mg/l	0.5	0.5	-	-	-	-	
Well MW-12-183	SCP043	5/28/2013	TKN	mg/l	0.5	< 0.5	0.5	< 0.50	-	-	
Well MW-11-150	SCP045	5/28/2013	TKN	mg/l	0.5	< 0.5	0.5	< 0.50	-	-	
Well MW-10-89	SCP046	5/30/2013	TKN	mg/l	0.5	< 0.5	0.5	< 0.50	-	-	
Sand Slough at El Nido Road	SCP047	5/29/2013	TKN	mg/l	0.5	< 0.5	0.5	0.82	-	-	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	TKN	mg/l	0.5	0.82	H	-	-	-	
Well MW-10-90	SCP050	5/29/2013	TKN	mg/l	0.5	< 0.5	0.5	0.57	-	-	
Well MW-12-174	SCP051	5/29/2013	TKN	mg/l	0.5	< 0.5	0.5	< 0.50	-	-	
Well MW-10-94	SCP052	5/29/2013	TKN	mg/l	0.5	< 0.5	0.5	< 0.50	-	-	
Drain Sump L-36	SCP053	5/29/2013	TKN	mg/l	0.5	< 0.5	0.5	0.57	-	-	
Well MW-12-170	SCP054	5/29/2013	TKN	mg/l	0.5	< 0.5	-	-	-	-	
Drain Sump L-43	SCP055	5/29/2013	TKN	mg/l	0.5	< 0.5	-	-	-	-	
Well MW-12-172	SCP056	5/29/2013	TKN	mg/l	0.5	< 0.5	0.5	< 0.50	-	-	
Drain Sump L-50	SCP057	5/29/2013	TKN	mg/l	0.5	< 0.5	0.5	< 0.50	-	-	
Drain Sump L-49	SCP058	5/29/2013	TKN	mg/l	0.5	< 0.5	-	-	-	-	
Nickel South Drain Sump	SCP059	5/30/2013	TKN	mg/l	0.5	< 0.5	0.5	< 0.50	-	-	
Nickel North Drain Sump - North (Inland) Drain	SCP060	5/29/2013	TKN	mg/l	0.5	< 0.5	0.5	< 0.50	-	-	
Nickel North Drain Sump - South (Inland) Drain	SCP061	5/29/2013	TKN	mg/l	0.5	< 0.5	0.5	< 0.50	-	-	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	TKN	mg/l	0.5	< 0.5	0.5	< 0.50	-	-	
Riverside Canal at Willis Road	SCP063	5/30/2013	TKN	mg/l	0.5	0.57	-	-	-	-	
Well MW-11-149	SCP065	5/30/2013	TKN	mg/l	0.5	< 0.5	0.5	< 0.50	-	-	
Well MW-12-169	SCP066	5/29/2013	TKN	mg/l	0.5	< 0.5	0.5	< 0.50	-	-	
Well MW-12-165	SCP067	5/29/2013	TKN	mg/l	0.5	< 0.5	0.5	< 0.50	-	-	
Well MW-12-177	SCP068	5/29/2013	TKN	mg/l	0.5	< 0.5	0.5	< 0.50	-	-	
Columbia Canal at Eastside Drive	SCP037	5/28/2013	TURBIDITY	NTU	± 2%	11.6	-	-	-	-	
Well MW-12-190	SCP038	5/28/2013	TURBIDITY	NTU	± 2%	439	± 2%	320	-	-	
Well MW-12-191	SCP039	5/28/2013	TURBIDITY	NTU	± 2%	463	-	-	-	-	
Well MW-12-185	SCP040	5/28/2013	TURBIDITY	NTU	± 2%	402	± 2%	329	-	-	
San Joaquin River at Sack Dam	SCP041	5/28/2013	TURBIDITY	NTU	± 2%	13.6	± 2%	-	-	-	
Poso Canal at Valeria Ave	SCP042	5/28/2013	TURBIDITY	NTU	± 2%	54.2	-	-	-	-	
Well MW-12-183	SCP043	5/28/2013	TURBIDITY	NTU	± 2%	1.2	± 2%	5.1	-	-	
Well MW-11-150	SCP045	5/28/2013	TURBIDITY	NTU	± 2%	61.1	± 2%	32.1	-	-	
Well MW-10-89	SCP046	5/30/2013	TURBIDITY	NTU	± 2%	181	± 2%	22.9	-	-	
Sand Slough at El Nido Road	SCP047	5/29/2013	TURBIDITY	NTU	± 2%	93.6	± 2%	29.6	-	-	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	TURBIDITY	NTU	± 2%	28.7	-	-	-	-	
Well MW-10-90	SCP050	5/29/2013	TURBIDITY	NTU	± 2%	52.9	± 2%	22.3	-	-	
Well MW-12-174	SCP051	5/29/2013	TURBIDITY	NTU	± 2%	11.4	± 2%	16.5	-	-	
Well MW-10-94	SCP052	5/29/2013	TURBIDITY	NTU	± 2%	8.1	± 2%	26.4	-	-	
Drain Sump L-36	SCP053	5/29/2013	TURBIDITY	NTU	± 2%	0.4	± 2%	2.8	-	-	
Well MW-12-170	SCP054	5/29/2013	TURBIDITY	NTU	± 2%	16.1	-	-	-	-	
Drain Sump L-43	SCP055	5/29/2013	TURBIDITY	NTU	± 2%	15.2	-	-	-	-	
Well MW-12-172	SCP056	5/29/2013	TURBIDITY	NTU	± 2%	1.5	± 2%	6.8	-	-	
Drain Sump L-50	SCP057	5/29/2013	TURBIDITY	NTU	± 2%	0.4	± 2%	0.90	-	-	
Drain Sump L-49	SCP058	5/29/2013	TURBIDITY	NTU	± 2%	0.8	-	-	-	-	
Nickel South Drain Sump	SCP059	5/30/2013	TURBIDITY	NTU	± 2%	1.5	± 2%	1.7	-	-	
Nickel North Drain Sump - North (Inland) Drain	SCP060	5/29/2013	TURBIDITY	NTU	± 2%	0.82	± 2%	0.83	-	-	
Nickel North Drain Sump - South (Inland) Drain	SCP061	5/29/2013	TURBIDITY	NTU	± 2%	0.47	± 2%	0.89	-	-	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	TURBIDITY	NTU	± 2%	0.56	± 2%	0.76	-	-	
Riverside Canal at Willis Road	SCP063	5/30/2013	TURBIDITY	NTU	± 2%	49.5	-	-	-	-	
Well MW-11-149	SCP065	5/30/2013	TURBIDITY	NTU	± 2%	487	± 2%	>1000	-	-	
Well MW-12-169	SCP066	5/29/2013	TURBIDITY	NTU	± 2%	1.6	± 2%	16.2	-	-	
Well MW-12-165	SCP067	5/29/2013	TURBIDITY	NTU	± 2%	34	± 2%	79.1	-	-	
Well MW-12-177	SCP068	5/29/2013	TURBIDITY	NTU	± 2%	10.3	± 2%	30.2	-	-	
Columbia Canal at Eastside Drive	SCP037	5/28/2013	ZINC	ug/l	20	< 20	-	-	62	CTR-HDCC ^a	
Well MW-12-190	SCP038	5/28/2013	ZINC	ug/l	20	85	20	130	100	BP ^{b,6}	CTR-HDCC = 130
Well MW-12-191	SCP039	5/28/2013	ZINC	ug/l	20	200	-	-	100	BP ^{b,6}	CTR-HDCC = 122
Well MW-12-185	SCP040	5/28/2013	ZINC	ug/l	20	81	20	120	100	BP ^{b,6}	CTR-HDCC = 166
San Joaquin River at Sack Dam	SCP041	5/28/2013	ZINC	ug/l	20	< 20	20	< 20	100	BP ^{b,6}	CTR-HDCC = 147
Poso Canal at Valeria Ave	SCP042	5/28/2013	ZINC	ug/l	20	< 20	-	-	100	BP ^{b,6}	CTR-HDCC = 179
Well MW-12-183	SCP043	5/28/2013	ZINC	ug/l	20	< 20	20	< 20	100	BP ^{b,6}	CTR-HDCC = 189
Well MW-11-150	SCP045	5/28/2013	ZINC	ug/l	20	< 20	20	150	100	BP ^{b,6}	CTR-HDCC = 147
Well MW-10-89	SCP046	5/30/2013	ZINC	ug/l	20	24	20	< 20	100	BP ^{b,6}	CTR-HDCC = 171
Sand Slough at El Nido Road	SCP047	5/29/2013	ZINC	ug/l	20	22	20	< 20	100	BP ^{b,6}	CTR-HDCC = 326
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	ZINC	ug/l	20	< 20	-	-	100	BP ^{b,6}	CTR-HDCC = 203
Well MW-10-90	SCP050	5/29/2013	ZINC	ug/l	20	130	20	360	100	BP ^{b,6}	CTR-HDCC = 626
Well MW-12-174	SCP051	5/29/2013	ZINC	ug/l	20	< 20	20	< 20	100	BP ^{b,6}	CTR-HDCC = 495
Well MW-10-94	SCP052	5/29/2013	ZINC	ug/l	20	< 20	20	< 20	100	BP ^{b,6}	CTR-HDCC = 410
Drain Sump L-36	SCP053	5/29/2013	ZINC	ug/l	20	< 20	20	< 20	100	BP ^{b,6}	CTR-HDCC = 373
Well MW-12-170	SCP054	5/29/2013	ZINC	ug/l	20	< 20	-	-	100	BP ^{b,6}	CTR-HDCC = 372
Drain Sump L-43	SCP055	5/29/2013	ZINC	ug/l	20	< 20	-	-	100	BP ^{b,6}	CTR-HDCC = 318
Well MW-12-172	SCP056	5/29/2013	ZINC	ug/l	20	34	20	< 20	100	BP ^{b,6}	CTR-HDCC = 263
Drain Sump L-50	SCP057	5/29/2013	ZINC	ug/l	20	< 20	20	< 20	100	BP ^{b,6}	CTR-HDCC = 354
Drain Sump L-49	SCP058	5/29/2013	ZINC	ug/l	20	< 20	-	-	100	BP ^{b,6}	CTR-HDCC = 322
Nickel South Drain Sump	SCP059	5/30/2013	ZINC	ug/l	20	< 20	20	< 20	100	BP ^{b,6}	CTR-HDCC = 590
Nickel North Drain Sump - North (Inland) Drain	SCP060	5/29/2013	ZINC	ug/l	20	< 20	20	< 20	100	BP ^{b,6}	CTR-HDCC = 596
Nickel North Drain Sump - South (Inland) Drain	SCP061	5/29/2013	ZINC	ug/l	20	< 20	20	< 20	100	BP ^{b,6}	CTR-HDCC = 667
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	ZINC	ug/l	20	84	20	< 20	100	BP ^{b,6}	CTR-HDCC = 331
Riverside Canal at Willis Road	SCP063	5/30/2013	ZINC	ug/l	20	< 20	-	-	100	BP ^{b,6}	CTR-HDCC = 187
Well MW-11-149	SCP065	5/30/2013	ZINC	ug/l	20	73	20	71	100	BP ^{b,6}	CTR-HDCC = 269
Well MW-12-169	SCP066	5/29/2013	ZINC	ug/l	20	< 20	100	< 100	100	BP ^{b,6}	CTR-HDCC = 1145
Well MW-12-165	SCP067	5/29/2013	ZINC	ug/l	20	< 20	100	< 100	100	BP ^{b,6}	CTR-HDCC = 2036
Well MW-12-177	SCP068	5/29/2013	ZINC	ug/l	20	< 20	100	< 100	100	BP ^{b,6}	CTR+HDCC = 1950

Footnotes to Appendix B tables

1. Green highlight indicates result is within quality limits established by the associated WQ standard; pink highlight indicates result is outside of the limit established by the standard; lack of highlighting indicates that no standard applies.

2. Values based on restrictions on use

3. This NAWQC-CC standard was calculated from May 2013 hardness results for this sample

4. This CTR-CC standard was calculated from May 2013 hardness results for this sample

5. Sodium Absorption Ratio: Calculated from May 2013 Na, Ca and Mg results for each sample

6. Calculated CTR-CC standard was higher than the BP standard

Appendix C

Results of Organic Analyses

Water Quality Monitoring for SJR Seepage Management

Water Quality Monitoring for SJR Seepage Management

Water Quality Monitoring for SJR Seepage Management

Well MW-11-150	SCP045	5/28/2013	4,4'-DDT	ug/l	0.1	< 0.1		0.01	< 0.01	-	-
Well MW-12-165	SCP067	5/29/2013	4,4'-DDT	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-165	SCP067	5/29/2013	4,4'-DDT	ug/l	0.1	< 0.1		0.01	< 0.01	-	-
Well MW-12-169	SCP066	5/29/2013	4,4'-DDT	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-169	SCP066	5/29/2013	4,4'-DDT	ug/l	0.1	< 0.1		0.01	< 0.01	-	-
Well MW-12-170	SCP054	5/29/2013	4,4'-DDT	ug/l	0.01	< 0.01		-	-	-	-
Well MW-12-170	SCP054	5/29/2013	4,4'-DDT	ug/l	0.1	< 0.1		-	-	-	-
Well MW-12-172	SCP056	5/29/2013	4,4'-DDT	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-172	SCP056	5/29/2013	4,4'-DDT	ug/l	0.1	< 0.1		0.01	< 0.01	-	-
Well MW-12-174	SCP051	5/29/2013	4,4'-DDT	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-174	SCP051	5/29/2013	4,4'-DDT	ug/l	0.1	< 0.1		0.01	< 0.01	-	-
Well MW-12-177	SCP068	5/29/2013	4,4'-DDT	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-177	SCP068	5/29/2013	4,4'-DDT	ug/l	0.1	< 0.1		0.01	< 0.01	-	-
Well MW-12-183	SCP043	5/28/2013	4,4'-DDT	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-183	SCP043	5/28/2013	4,4'-DDT	ug/l	0.1	< 0.1		0.01	< 0.01	-	-
Well MW-12-185	SCP040	5/28/2013	4,4'-DDT	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-185	SCP040	5/28/2013	4,4'-DDT	ug/l	0.1	< 0.1		0.01	< 0.01	-	-
Well MW-12-190	SCP038	5/28/2013	4,4'-DDT	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-190	SCP038	5/28/2013	4,4'-DDT	ug/l	0.1	< 0.1		0.01	< 0.01	-	-
Well MW-12-191	SCP039	5/28/2013	4,4'-DDT	ug/l	0.1	< 0.1		-	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	4,4'-TDE/DDD	ug/l	-	-		-	-	0.001	NRWQC-CC
Drain Sump L-36	SCP053	5/29/2013	4,4'-TDE/DDD	ug/l	-	-		0.01	< 0.01	0.001	NRWQC-CC
Drain Sump L-43	SCP055	5/29/2013	4,4'-TDE/DDD	ug/l	-	-		-	-	0.001	NRWQC-CC
Drain Sump L-49	SCP058	5/29/2013	4,4'-TDE/DDD	ug/l	-	-		-	-	0.001	NRWQC-CC
Drain Sump L-50	SCP057	5/29/2013	4,4'-TDE/DDD	ug/l	-	-		0.01	< 0.01	0.001	NRWQC-CC
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	4,4'-TDE/DDD	ug/l	-	-		-	-	0.001	NRWQC-CC
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	4,4'-TDE/DDD	ug/l	-	-		0.01	< 0.01	0.001	NRWQC-CC
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	4,4'-TDE/DDD	ug/l	-	-		0.01	< 0.01	0.001	NRWQC-CC
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	4,4'-TDE/DDD	ug/l	-	-		0.01	< 0.01	0.001	NRWQC-CC
Nickel South Drain Sump	SCP059	5/30/2013	4,4'-TDE/DDD	ug/l	-	-		0.01	< 0.01	0.001	NRWQC-CC
Poso Canal at Valeria Ave	SCP042	5/28/2013	4,4'-TDE/DDD	ug/l	-	-		-	-	0.001	NRWQC-CC
Riverside Canal at Willis Road	SCP063	5/30/2013	4,4'-TDE/DDD	ug/l	0.1	< 0.1		-	-	0.001	NRWQC-CC
San Joaquin River at Sack Dam	SCP041	5/28/2013	4,4'-TDE/DDD	ug/l	0.1	< 0.1		0.01	< 0.01	0.001	NRWQC-CC
Sand Slough at El Nido Road	SCP047	5/29/2013	4,4'-TDE/DDD	ug/l	0.1	< 0.1		0.01	< 0.01	0.001	NRWQC-CC
Well MW-10-89	SCP050	5/29/2013	4,4'-TDE/DDD	ug/l	-	-		0.01	< 0.01	0.001	NRWQC-CC
Well MW-10-94	SCP052	5/29/2013	4,4'-TDE/DDD	ug/l	-	-		0.01	< 0.01	0.001	NRWQC-CC
Well MW-11-150	SCP045	5/28/2013	4,4'-TDE/DDD	ug/l	-	-		0.01	< 0.01	0.001	NRWQC-CC
Well MW-12-165	SCP067	5/29/2013	4,4'-TDE/DDD	ug/l	-	-		0.01	< 0.01	0.001	NRWQC-CC
Well MW-12-170	SCP054	5/29/2013	4,4'-TDE/DDD	ug/l	-	-		-	-	0.001	NRWQC-CC
Well MW-12-172	SCP056	5/29/2013	4,4'-TDE/DDD	ug/l	-	-		0.01	< 0.01	0.001	NRWQC-CC
Well MW-12-174	SCP051	5/29/2013	4,4'-TDE/DDD	ug/l	-	-		0.01	< 0.01	0.001	NRWQC-CC
Well MW-12-177	SCP068	5/29/2013	4,4'-TDE/DDD	ug/l	-	-		0.01	< 0.01	0.001	NRWQC-CC
Well MW-12-183	SCP043	5/28/2013	4,4'-TDE/DDD	ug/l	-	-		0.01	< 0.01	0.001	NRWQC-CC
Well MW-12-185	SCP040	5/28/2013	4,4'-TDE/DDD	ug/l	-	-		0.01	< 0.01	0.001	NRWQC-CC
Well MW-12-190	SCP038	5/28/2013	4,4'-TDE/DDD	ug/l	-	-		0.01	< 0.01	0.001	NRWQC-CC
Well MW-12-191	SCP039	5/28/2013	4,4'-TDE/DDD	ug/l	-	-		-	-	0.001	NRWQC-CC
Columbia Canal at Eastside Drive	SCP037	5/28/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		-	-	520	NRWQC-Algal
Drain Sump L-36	SCP053	5/29/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		0.1	< 0.1	520	NRWQC-Algal
Drain Sump L-43	SCP055	5/29/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		-	-	520	NRWQC-Algal
Drain Sump L-49	SCP058	5/29/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		-	-	520	NRWQC-Algal
Drain Sump L-50	SCP057	5/29/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		0.1	< 0.1	520	NRWQC-Algal
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		-	-	520	NRWQC-Algal
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		0.1	< 0.1	520	NRWQC-Algal
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		0.1	< 0.1	520	NRWQC-Algal
Nickel South Drain Sump	SCP061	5/29/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		0.1	< 0.1	520	NRWQC-Algal
Nickel South Drain Sump	SCP059	5/30/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		0.1	< 0.1	520	NRWQC-Algal
Poso Canal at Valeria Ave	SCP042	5/28/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		-	-	520	NRWQC-Algal
Riverside Canal at Willis Road	SCP063	5/30/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		-	-	520	NRWQC-Algal
San Joaquin River at Sack Dam	SCP041	5/28/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		0.1	< 0.1	520	NRWQC-Algal
Sand Slough at El Nido Road	SCP047	5/29/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		0.1	< 0.1	520	NRWQC-Algal
Well MW-10-89	SCP046	5/30/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		-	-	520	NRWQC-Algal
Well MW-10-90	SCP050	5/29/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		0.1	< 0.1	520	NRWQC-Algal
Well MW-10-94	SCP052	5/29/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		0.1	< 0.1	520	NRWQC-Algal
Well MW-11-149	SCP065	5/30/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		0.1	< 0.1	520	NRWQC-Algal
Well MW-11-150	SCP045	5/28/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		0.1	< 0.1	520	NRWQC-Algal
Well MW-12-165	SCP067	5/29/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		0.1	< 0.1	520	NRWQC-Algal
Well MW-12-169	SCP066	5/29/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		0.1	< 0.1	520	NRWQC-Algal
Well MW-12-169	SCP066	5/29/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		0.1	< 0.1	520	NRWQC-Algal
Well MW-12-170	SCP054	5/29/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		0.1	< 0.1	520	NRWQC-Algal
Well MW-12-170	SCP054	5/29/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		-	-	520	NRWQC-Algal
Well MW-12-172	SCP051	5/29/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		0.1	< 0.1	520	NRWQC-Algal
Well MW-12-174	SCP068	5/29/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		0.1	< 0.1	520	NRWQC-Algal
Well MW-12-177	SCP068	5/29/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		0.1	< 0.1	520	NRWQC-Algal
Well MW-12-183	SCP043	5/28/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		0.1	< 0.1	520	NRWQC-Algal
Well MW-12-185	SCP040	5/28/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		0.1	< 0.1	520	NRWQC-Algal
Well MW-12-190	SCP038	5/28/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		0.1	< 0.1	520	NRWQC-Algal
Well MW-12-191	SCP039	5/28/2013	ACENAPHTHENE	ug/l	0.1	< 0.1		-	-	520	NRWQC-Algal
Columbia Canal at Eastside Drive	SCP037	5/28/2013	ACENAPHTHYLENE	ug/l	0.1	< 0.1		-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	ACENAPHTHYLENE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Drain Sump L-43	SCP055	5/29/2013	ACENAPHTHYLENE	ug/l	0.1	< 0.1		-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	ACENAPHTHYLENE	ug/l	0.1	< 0.1		-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	ACENAPHTHYLENE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	ACENAPHTHYLENE	ug/l	0.1	< 0.1		-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	ACENAPHTHYLENE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	ACENAPHTHYLENE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	ACENAPHTHYLENE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel South Drain Sump	SCP059	5/30/2013	ACENAPHTHYLENE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel South Drain Sump	SCP042	5/28/2013	ACENAPHTHYLENE	ug/l	0.1	< 0.1		-	-	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	ACENAPHTHYLENE	ug/l	0.1	< 0.1		-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	ACENAPHTHYLENE	ug/l	0.1	< 0.1		-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	ACENAPHTHYLENE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	ACENAPHTHYLENE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-10-89	SCP046	5/30/2013	ACENAPHTHYLENE	ug/l	0.1	< 0.1		-	-	-	-
Well MW-10-90	SCP050	5/29/2013	ACENAPHTHYLENE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-10-94	SCP052	5/29/2013	ACENAPHTHYLENE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-11-149	SCP065	5/30/2013	ACENAPHTHYLENE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-11-150	SCP045	5/28/2013	ACENAPHTHYLENE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-165	SCP067	5/29/2013	ACENAPHTHYLENE								

Water Quality Monitoring for SJR Seepage Management

Well MW-12-191	SCP039	5/28/2013	ACENAPHTHYLENE	ug/l	0.1	<0.1	-	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	ACETOCHLOR	ug/l	0.1	<0.1	-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	ACETOCHLOR	ug/l	0.1	<0.1	0.1	<0.1	-	-
Drain Sump L-43	SCP055	5/29/2013	ACETOCHLOR	ug/l	0.1	<0.1	-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	ACETOCHLOR	ug/l	0.1	<0.1	-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	ACETOCHLOR	ug/l	0.1	<0.1	0.1	<0.1	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	ACETOCHLOR	ug/l	0.1	<0.1	-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	ACETOCHLOR	ug/l	0.1	<0.1	0.1	<0.1	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	ACETOCHLOR	ug/l	0.1	<0.1	0.1	<0.1	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	ACETOCHLOR	ug/l	0.1	<0.1	0.1	<0.1	-	-
Nickel South Drain Sump	SCP059	5/30/2013	ACETOCHLOR	ug/l	0.1	<0.1	0.1	<0.1	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	ACETOCHLOR	ug/l	0.1	<0.1	-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	ACETOCHLOR	ug/l	0.1	<0.1	-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	ACETOCHLOR	ug/l	0.1	<0.1	0.1	<0.1	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	ACETOCHLOR	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-10-89	SCP046	5/30/2013	ACETOCHLOR	ug/l	0.1	<0.1	-	-	-	-
Well MW-10-90	SCP050	5/29/2013	ACETOCHLOR	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-10-94	SCP052	5/29/2013	ACETOCHLOR	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-11-149	SCP045	5/28/2013	ACETOCHLOR	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-165	SCP067	5/29/2013	ACETOCHLOR	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-169	SCP066	5/29/2013	ACETOCHLOR	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-170	SCP054	5/29/2013	ACETOCHLOR	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-172	SCP056	5/29/2013	ACETOCHLOR	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-174	SCP051	5/29/2013	ACETOCHLOR	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-177	SCP068	5/29/2013	ACETOCHLOR	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-183	SCP043	5/28/2013	ACETOCHLOR	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-185	SCP040	5/28/2013	ACETOCHLOR	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-190	SCP038	5/28/2013	ACETOCHLOR	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-191	SCP039	5/28/2013	ACETOCHLOR	ug/l	0.1	<0.1	-	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	ALACHLOR	ug/l	0.05	<0.05	-	-	76	NRWQC-IM
Drain Sump L-36	SCP053	5/29/2013	ALACHLOR	ug/l	0.05	<0.05	0.05	<0.05	76	NRWQC-IM
Drain Sump L-43	SCP055	5/29/2013	ALACHLOR	ug/l	0.05	<0.05	-	-	76	NRWQC-IM
Drain Sump L-49	SCP058	5/29/2013	ALACHLOR	ug/l	0.05	<0.05	-	-	76	NRWQC-IM
Drain Sump L-50	SCP057	5/29/2013	ALACHLOR	ug/l	0.05	<0.05	0.05	<0.05	76	NRWQC-IM
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	ALACHLOR	ug/l	0.05	<0.05	-	-	76	NRWQC-IM
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	ALACHLOR	ug/l	0.05	<0.05	0.05	<0.05	76	NRWQC-IM
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	ALACHLOR	ug/l	0.05	<0.05	0.05	<0.05	76	NRWQC-IM
Nickel South Drain Sump	SCP059	5/30/2013	ALACHLOR	ug/l	0.05	<0.05	0.05	<0.05	76	NRWQC-IM
Poso Canal at Valeria Ave	SCP042	5/28/2013	ALACHLOR	ug/l	0.05	<0.05	-	-	76	NRWQC-IM
Riverside Canal at Willis Road	SCP063	5/30/2013	ALACHLOR	ug/l	0.05	<0.05	-	-	76	NRWQC-IM
San Joaquin River at Sack Dam	SCP041	5/28/2013	ALACHLOR	ug/l	0.05	<0.05	0.05	<0.05	76	NRWQC-IM
Sand Slough at El Nido Road	SCP047	5/29/2013	ALACHLOR	ug/l	0.05	<0.05	0.05	<0.05	76	NRWQC-IM
Well MW-10-89	SCP046	5/30/2013	ALACHLOR	ug/l	0.05	<0.05	-	-	76	NRWQC-IM
Well MW-10-90	SCP050	5/29/2013	ALACHLOR	ug/l	0.05	<0.05	0.05	<0.05	76	NRWQC-IM
Well MW-10-94	SCP052	5/29/2013	ALACHLOR	ug/l	0.05	<0.05	0.05	<0.05	76	NRWQC-IM
Well MW-11-149	SCP065	5/30/2013	ALACHLOR	ug/l	0.05	<0.05	0.05	<0.05	76	NRWQC-IM
Well MW-11-150	SCP067	5/29/2013	ALACHLOR	ug/l	0.05	<0.05	0.05	<0.05	76	NRWQC-IM
Well MW-12-165	SCP066	5/29/2013	ALACHLOR	ug/l	0.05	<0.05	0.05	<0.05	76	NRWQC-IM
Well MW-12-169	SCP068	5/29/2013	ALACHLOR	ug/l	0.05	<0.05	0.05	<0.05	76	NRWQC-IM
Well MW-12-170	SCP054	5/29/2013	ALACHLOR	ug/l	0.05	<0.05	0.05	<0.05	76	NRWQC-IM
Well MW-12-172	SCP056	5/29/2013	ALACHLOR	ug/l	0.05	<0.05	0.05	<0.05	76	NRWQC-IM
Well MW-12-174	SCP051	5/29/2013	ALACHLOR	ug/l	0.05	<0.05	0.05	<0.05	76	NRWQC-IM
Well MW-12-177	SCP068	5/29/2013	ALACHLOR	ug/l	0.05	<0.05	0.05	<0.05	76	NRWQC-IM
Well MW-12-183	SCP043	5/28/2013	ALACHLOR	ug/l	0.05	<0.05	0.05	<0.05	76	NRWQC-IM
Well MW-12-185	SCP040	5/28/2013	ALACHLOR	ug/l	0.05	<0.05	0.05	<0.05	76	NRWQC-IM
Well MW-12-190	SCP038	5/28/2013	ALACHLOR	ug/l	0.05	<0.05	0.05	<0.05	76	NRWQC-IM
Well MW-12-191	SCP039	5/28/2013	ALACHLOR	ug/l	0.05	<0.05	-	-	76	NRWQC-IM
Columbia Canal at Eastside Drive	SCP037	5/28/2013	ALDRIN	ug/l	0.01	<0.01	-	-	3	CTR - IM
Columbia Canal at Eastside Drive	SCP037	5/28/2013	ALDRIN	ug/l	0.01	<0.01	-	-	3	CTR - IM
Drain Sump L-36	SCP053	5/29/2013	ALDRIN	ug/l	0.01	<0.01	0.01	<0.01	3	CTR - IM
Drain Sump L-36	SCP053	5/29/2013	ALDRIN	ug/l	0.05	<0.05	0.01	<0.01	3	CTR - IM
Drain Sump L-43	SCP055	5/29/2013	ALDRIN	ug/l	0.01	<0.01	-	-	3	CTR - IM
Drain Sump L-49	SCP058	5/29/2013	ALDRIN	ug/l	0.01	<0.01	-	-	3	CTR - IM
Drain Sump L-50	SCP057	5/29/2013	ALDRIN	ug/l	0.01	<0.01	0.01	<0.01	3	CTR - IM
Drain Sump L-50	SCP057	5/29/2013	ALDRIN	ug/l	0.05	<0.05	0.01	<0.01	3	CTR - IM
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	ALDRIN	ug/l	0.01	<0.01	-	-	3	CTR - IM
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	ALDRIN	ug/l	0.05	<0.05	-	-	3	CTR - IM
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	ALDRIN	ug/l	0.01	<0.01	0.01	<0.01	3	CTR - IM
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	ALDRIN	ug/l	0.05	<0.05	0.01	<0.01	3	CTR - IM
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	ALDRIN	ug/l	0.01	<0.01	0.01	<0.01	3	CTR - IM
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	ALDRIN	ug/l	0.05	<0.05	0.01	<0.01	3	CTR - IM
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	ALDRIN	ug/l	0.01	<0.01	0.01	<0.01	3	CTR - IM
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	ALDRIN	ug/l	0.05	<0.05	0.01	<0.01	3	CTR - IM
Nickel South Drain Sump	SCP059	5/30/2013	ALDRIN	ug/l	0.01	<0.01	0.01	<0.01	3	CTR - IM
Nickel South Drain Sump	SCP059	5/30/2013	ALDRIN	ug/l	0.05	<0.05	0.01	<0.01	3	CTR - IM
Poso Canal at Valeria Ave	SCP042	5/28/2013	ALDRIN	ug/l	0.01	<0.01	-	-	3	CTR - IM
Poso Canal at Valeria Ave	SCP042	5/28/2013	ALDRIN	ug/l	0.05	<0.05	-	-	3	CTR - IM
Riverside Canal at Willis Road	SCP063	5/30/2013	ALDRIN	ug/l	0.01	<0.01	-	-	3	CTR - IM
Riverside Canal at Willis Road	SCP063	5/30/2013	ALDRIN	ug/l	0.05	<0.05	-	-	3	CTR - IM
San Joaquin River at Sack Dam	SCP041	5/28/2013	ALDRIN	ug/l	0.01	<0.01	0.01	<0.01	3	CTR - IM
San Joaquin River at Sack Dam	SCP041	5/28/2013	ALDRIN	ug/l	0.05	<0.05	0.01	<0.01	3	CTR - IM
Sand Slough at El Nido Road	SCP047	5/29/2013	ALDRIN	ug/l	0.01	<0.01	0.01	<0.01	3	CTR - IM
Sand Slough at El Nido Road	SCP047	5/29/2013	ALDRIN	ug/l	0.05	<0.05	0.01	<0.01	3	CTR - IM
Well MW-10-89	SCP046	5/30/2013	ALDRIN	ug/l	0.01	<0.01	-	-	3	CTR - IM
Well MW-10-89	SCP046	5/30/2013	ALDRIN	ug/l	0.05	<0.05	-	-	3	CTR - IM
Well MW-10-90	SCP050	5/29/2013	ALDRIN	ug/l	0.01	<0.01	0.01	<0.01	3	CTR - IM
Well MW-10-90	SCP050	5/29/2013	ALDRIN	ug/l	0.05	<0.05	0.01	<0.01	3	CTR - IM
Well MW-10-94	SCP052	5/29/2013	ALDRIN	ug/l	0.01	<0.01	0.01	<0.01	3	CTR - IM
Well MW-10-94	SCP052	5/29/2013	ALDRIN	ug/l	0.05	<0.05	0.01	<0.01	3	CTR - IM
Well MW-11-149	SCP065	5/30/2013	ALDRIN	ug/l	0.01	<0.01	0.01	<0.01	3	CTR - IM
Well MW-11-149	SCP065	5/30/2013	ALDRIN	ug/l	0.05	<0.05	0.01	<0.01	3	CTR - IM
Well MW-11-150	SCP045	5/28/2013	ALDRIN	ug/l	0.01	<0.01	0.01	<0.01	3	CTR - IM
Well MW-11-150	SCP045	5/28/2013	ALDRIN	ug/l	0.05	<0.05	0.01	<0.01	3	CTR - IM
Well MW-12-165	SCP067	5/29/2013	ALDRIN	ug/l	0.01	<0.01	0.01	<0.01	3	CTR - IM
Well MW-12-165	SCP067	5/29/2013	ALDRIN	ug/l	0.05	<0.05	0.01	<0.01	3	CTR - IM
Well MW-12-169	SCP066	5/29/2013	ALDRIN	ug/l	0.01	<0.01	0.01	<0.01	3	CTR - IM
Well MW-12-169	SCP066	5/29/2013	ALDRIN	ug/l	0.05	<0.05	0.01	<0.01	3	CTR - IM
Well MW-12-170	SCP067	5/29/2013	ALDRIN	ug/l	0.01	<0.01	-	-	3	CTR - IM
Well MW-12-170	SCP067	5/29/2013	ALDRIN	ug/l	0.05	<0.05	-	-	3	CTR - IM
Well MW-12-172	SCP054	5/29/2013	ALDRIN	ug/l	0.01	<0.01	0.01	<0.01	3	CTR - IM
Well MW-12-172	SCP054	5/29/2013	ALDRIN	ug/l	0.05	<0.05	0.01	<0.01	3	CTR - IM
Well MW-12-174	SCP056	5/29/2013	ALDRIN	ug/l	0.01	<0.01	0.01	<0.01	3	CTR - IM
Well MW-12-174	SCP051	5/29/2013	ALDRIN	ug/l	0.01	<0.01	0.01	<0.01	3	CTR - IM
Well MW-12-174	SCP051	5/29/2013	ALDRIN	ug/l	0.05	<0				

Water Quality Monitoring for SJR Seepage Management

Water Quality Monitoring for SJR Seepage Management

Poso Canal at Valeria Ave	SCP042	5/28/2013	AROCLR 1232	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Riverside Canal at Willis Road	SCP063	5/30/2013	AROCLR 1232	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
San Joaquin River at Sack Dam	SCP041	5/28/2013	AROCLR 1232	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Sand Slough at El Nido Road	SCP047	5/29/2013	AROCLR 1232	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-10-89	SCP046	5/30/2013	AROCLR 1232	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-10-90	SCP050	5/29/2013	AROCLR 1232	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-10-94	SCP052	5/29/2013	AROCLR 1232	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-11-149	SCP065	5/30/2013	AROCLR 1232	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-11-150	SCP045	5/28/2013	AROCLR 1232	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-165	SCP067	5/29/2013	AROCLR 1232	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-169	SCP066	5/29/2013	AROCLR 1232	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-170	SCP054	5/29/2013	AROCLR 1232	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-172	SCP056	5/29/2013	AROCLR 1232	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-174	SCP051	5/29/2013	AROCLR 1232	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-177	SCP068	5/29/2013	AROCLR 1232	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-183	SCP043	5/28/2013	AROCLR 1232	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-185	SCP040	5/28/2013	AROCLR 1232	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-190	SCP055	5/29/2013	AROCLR 1232	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-191	SCP057	5/29/2013	AROCLR 1232	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Nickel South Drain Sump	SCP059	5/30/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Poso Canal at Valeria Ave	SCP042	5/28/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Riverside Canal at Willis Road	SCP063	5/30/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
San Joaquin River at Sack Dam	SCP041	5/28/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Sand Slough at El Nido Road	SCP047	5/29/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-10-89	SCP046	5/30/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-10-90	SCP065	5/30/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-10-94	SCP046	5/30/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-10-99	SCP050	5/29/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-11-149	SCP065	5/30/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-11-150	SCP045	5/28/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-165	SCP067	5/29/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-169	SCP066	5/29/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-170	SCP054	5/29/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-172	SCP056	5/29/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-174	SCP051	5/29/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-177	SCP068	5/29/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-183	SCP043	5/28/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-185	SCP040	5/28/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-190	SCP053	5/29/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-191	SCP055	5/29/2013	AROCLR 1242	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Columbia Canal at Eastside Drive	SCP037	5/28/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Drain Sump L-36	SCP053	5/29/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Drain Sump L-43	SCP055	5/29/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Drain Sump L-49	SCP058	5/29/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Drain Sump L-50	SCP057	5/29/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Nickel South Drain Sump	SCP059	5/30/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Poso Canal at Valeria Ave	SCP042	5/28/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Riverside Canal at Willis Road	SCP063	5/30/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
San Joaquin River at Sack Dam	SCP041	5/28/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Sand Slough at El Nido Road	SCP047	5/29/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-10-89	SCP046	5/30/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-10-90	SCP050	5/29/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-10-94	SCP052	5/29/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-11-149	SCP065	5/30/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-165	SCP067	5/29/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-169	SCP066	5/29/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-170	SCP054	5/29/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-172	SCP056	5/29/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-174	SCP051	5/29/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-177	SCP068	5/29/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-183	SCP043	5/28/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-185	SCP040	5/28/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-190	SCP038	5/28/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Well MW-12-191	SCP039	5/28/2013	AROCLR 1248	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	
Columbia Canal at Eastside Drive	SCP037	5/28/2013	AROCLR 1260	ug/l	0.25	< 0.25	-	-	0.014	CTR-CC	

Water Quality Monitoring for SJR Seepage Management

Water Quality Monitoring for SJR Seepage Management

Water Quality Monitoring for SJR Seepage Management

San Joaquin River at Sack Dam	SCP041	5/28/2013	BENZO(K)FLUORANTHENE	ug/l	0.02	<0.02		0.02	<0.02	-	-	
Sand Slough at El Nido Road	SCP047	5/29/2013	BENZO(K)FLUORANTHENE	ug/l	0.02	<0.02		0.02	<0.02	-	-	
Well MW-10-89	SCP046	5/30/2013	BENZO(K)FLUORANTHENE	ug/l	0.02	<0.02		-	-	-	-	
Well MW-10-90	SCP050	5/29/2013	BENZO(K)FLUORANTHENE	ug/l	0.02	<0.02	L	0.02	<0.02	-	-	Lab surrogate - low recovery
Well MW-10-94	SCP052	5/29/2013	BENZO(K)FLUORANTHENE	ug/l	0.02	<0.02		0.02	<0.02	-	-	
Well MW-11-149	SCP065	5/30/2013	BENZO(K)FLUORANTHENE	ug/l	0.02	<0.02	L	0.02	<0.02	-	-	Lab surrogate - low recovery
Well MW-11-150	SCP045	5/28/2013	BENZO(K)FLUORANTHENE	ug/l	0.02	<0.02		0.02	<0.02	-	-	
Well MW-12-165	SCP067	5/29/2013	BENZO(K)FLUORANTHENE	ug/l	0.02	<0.02		0.02	<0.02	-	-	
Well MW-12-169	SCP066	5/29/2013	BENZO(K)FLUORANTHENE	ug/l	0.02	<0.02		0.02	<0.02	-	-	
Well MW-12-170	SCP054	5/29/2013	BENZO(K)FLUORANTHENE	ug/l	0.02	<0.02		-	-	-	-	
Well MW-12-172	SCP056	5/29/2013	BENZO(K)FLUORANTHENE	ug/l	0.02	<0.02		0.02	<0.02	-	-	
Well MW-12-174	SCP051	5/29/2013	BENZO(K)FLUORANTHENE	ug/l	0.02	<0.02		0.02	<0.02	-	-	
Well MW-12-177	SCP068	5/29/2013	BENZO(K)FLUORANTHENE	ug/l	0.02	<0.02		0.02	<0.02	-	-	
Well MW-12-183	SCP043	5/28/2013	BENZO(K)FLUORANTHENE	ug/l	0.02	<0.02		0.02	<0.02	-	-	
Well MW-12-185	SCP040	5/28/2013	BENZO(K)FLUORANTHENE	ug/l	0.02	<0.02		0.02	<0.02	-	-	
Well MW-12-190	SCP038	5/28/2013	BENZO(K)FLUORANTHENE	ug/l	0.02	<0.02		0.02	<0.02	-	-	
Well MW-12-191	SCP039	5/28/2013	BENZO(K)FLUORANTHENE	ug/l	0.02	<0.02	L	-	-	-	-	Lab surrogate - low recovery
Columbia Canal at Eastside Drive	SCP037	5/28/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		-	-	-	-	
Drain Sump L-36	SCP053	5/29/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Drain Sump L-43	SCP055	5/29/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		-	-	-	-	
Drain Sump L-49	SCP058	5/29/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		-	-	-	-	
Drain Sump L-50	SCP057	5/29/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		-	-	-	-	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		0.6	<0.6 V	-	-	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		0.6	<0.6 V	-	-	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		0.6	<0.6 V	-	-	
Nickel South Drain Sump	SCP059	5/30/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Poso Canal at Valeria Ave	SCP042	5/28/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		-	-	-	-	
Riverside Canal at Willis Road	SCP063	5/30/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		-	-	-	-	
San Joaquin River at Sack Dam	SCP041	5/28/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		0.6	<0.6 V	-	-	
Sand Slough at El Nido Road	SCP047	5/29/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		0.6	<0.6 V	-	-	
Well MW-10-89	SCP046	5/30/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		-	-	-	-	
Well MW-10-90	SCP050	5/29/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6	L	0.6	<0.6	-	-	Lab surrogate - low recovery
Well MW-10-94	SCP052	5/29/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Well MW-11-149	SCP065	5/30/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6	L	0.6	<0.6 V	-	-	Lab surrogate - low recovery
Well MW-11-150	SCP045	5/28/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		0.6	<0.6 V	-	-	
Well MW-12-165	SCP067	5/29/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Well MW-12-169	SCP066	5/29/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Well MW-12-174	SCP051	5/29/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Well MW-12-177	SCP068	5/29/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Well MW-12-183	SCP043	5/28/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		0.6	<0.6 H, V	-	-	
Well MW-12-185	SCP040	5/28/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		0.6	<0.6 V	-	-	
Well MW-12-190	SCP038	5/28/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6		0.6	<0.6 V	-	-	
Well MW-12-191	SCP039	5/28/2013	BIS(2-ETHYLHEXYL) PHTHALATE	ug/l	0.6	<0.6	L	-	-	-	-	Lab surrogate - low recovery
Columbia Canal at Eastside Drive	SCP037	5/28/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		-	-	-	-	
Drain Sump L-36	SCP053	5/29/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		-	-	-	-	
Drain Sump L-43	SCP055	5/29/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Drain Sump L-49	SCP058	5/29/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		-	-	-	-	
Drain Sump L-50	SCP057	5/29/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		-	-	-	-	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Nickel South Drain Sump	SCP059	5/30/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Poso Canal at Valeria Ave	SCP042	5/28/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		-	-	-	-	
Riverside Canal at Willis Road	SCP063	5/30/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		-	-	-	-	
San Joaquin River at Sack Dam	SCP041	5/28/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Sand Slough at El Nido Road	SCP047	5/29/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Well MW-10-89	SCP046	5/30/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		-	-	-	-	
Well MW-10-90	SCP050	5/29/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		-	-	-	-	
Well MW-10-94	SCP067	5/29/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Well MW-11-149	SCP065	5/30/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		-	-	-	-	
Well MW-11-150	SCP045	5/28/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Well MW-12-165	SCP067	5/29/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Well MW-12-169	SCP066	5/29/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Well MW-12-174	SCP051	5/29/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Well MW-12-177	SCP068	5/29/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Well MW-12-183	SCP043	5/28/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Well MW-12-185	SCP040	5/28/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Well MW-12-190	SCP038	5/28/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6		0.6	<0.6	-	-	
Well MW-12-191	SCP039	5/28/2013	BIS(2-ETHYLHEXYL) ADIPATE	ug/l	0.6	<0.6	L	-	-	-	-	Lab surrogate - low recovery
Columbia Canal at Eastside Drive	SCP037	5/28/2013	BOLSTAR	ug/l	0.1	<0.1		-	-	-	-	
Drain Sump L-36	SCP053	5/29/2013	BOLSTAR	ug/l	0.1	<0.1		0.2	<0.2	-	-	
Drain Sump L-43	SCP055	5/29/2013	BOLSTAR	ug/l	0.1	<0.1		-	-	-	-	
Drain Sump L-49	SCP058	5/29/2013	BOLSTAR	ug/l	0.1	<0.1		-	-	-	-	
Drain Sump L-50	SCP057	5/29/2013	BOLSTAR	ug/l	0.1	<0.1		0.2	<0.2	-	-	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	BOLSTAR	ug/l	0.1	<0.1		-	-	-	-	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	BOLSTAR	ug/l	0.1	<0.1		0.2	<0.2	-	-	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	BOLSTAR	ug/l	0.1	<0.1		0.2	<0.2	-	-	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	BOLSTAR	ug/l	0.1	<0.1		0.2	<0.2	-	-	
Nickel South Drain Sump	SCP059	5/30/2013	BOLSTAR	ug/l	0.1	<0.1		0.2	<0.2	-	-	
Poso Canal at Valeria Ave	SCP042	5/28/2013	BOLSTAR	ug/l	0.1	<0.1		-	-	-	-	
Riverside Canal at Willis Road	SCP063	5/30/2013	BOLSTAR	ug/l	0.1	<0.1		-	-	-	-	
San Joaquin River at Sack Dam	SCP041	5/28/2013	BOLSTAR	ug/l	0.1	<0.1		0.2	<0.2	-	-	
Sand Slough at El Nido Road	SCP047	5/29/2013	BOLSTAR	ug/l	0.1	<0.1		0.2	<0.2	-	-	
Well MW-10-89	SCP046	5/30/2013	BOLSTAR	ug/l	0.1	<0.1		-	-	-	-	
Well MW-10-90	SCP050	5/29/2013	BOLSTAR	ug/l	0.1	<0.1		0.2	<0.2	-	-	
Well MW-10-94	SCP052	5/29/2013	BOLSTAR	ug/l	0.1	<0.1		0.2	<0.2	-	-	
Well MW-11-149	SCP065	5/30/2013	BOLSTAR	ug/l	0.1	<0.1		0.2	<0.2	-	-	
Well MW-11-150	SCP045	5/28/2013	BOLSTAR	ug/l	0.1	<0.1		0.2	<0.2	-	-	
Well MW-12-165	SCP067	5/29/2013	BOLSTAR	ug/l	0.1	<0.1		0.2	<0.2	-	-	
Well MW-12-169	SCP066	5/29/2013	BOLSTAR	ug/l	0.1	<0.1		0.2	<0.2	-	-	
Well MW-12-174	SCP054	5/29/2013	BOLSTAR	ug/l	0.1	<0.1		0.2	<0.2	-	-	
Well MW-12-177	SCP068	5/29/2013	BOLSTAR	ug/l	0.1	<0.1		0.2	<0.2	-	-	
Well MW-12-183	SCP043	5/28/2013	BOLSTAR	ug/l	0.1	<0.1		0.2	<0.2	-	-	
Well												

Water Quality Monitoring for SJR Seepage Management

Water Quality Monitoring for SJR Seepage Management

Water Quality Monitoring for SJR Seepage Management

Well MW-12-170	SCP054	5/29/2013	CHLORDANE-GAMMA	ug/l	0.05	<0.05	-	-	0.0043	NTR - CC	
Well MW-12-172	SCP056	5/29/2013	CHLORDANE-GAMMA	ug/l	0.01	<0.01	0.01	<0.01	0.0043	NTR - CC	
Well MW-12-172	SCP056	5/29/2013	CHLORDANE-GAMMA	ug/l	0.05	<0.05	0.05	<0.05	0.0043	NTR - CC	
Well MW-12-174	SCP051	5/29/2013	CHLORDANE-GAMMA	ug/l	0.01	<0.01	0.01	<0.01	0.0043	NTR - CC	
Well MW-12-174	SCP051	5/29/2013	CHLORDANE-GAMMA	ug/l	0.05	<0.05	0.05	<0.05	0.0043	NTR - CC	
Well MW-12-177	SCP068	5/29/2013	CHLORDANE-GAMMA	ug/l	0.01	<0.01	0.01	<0.01	0.0043	NTR - CC	
Well MW-12-177	SCP068	5/29/2013	CHLORDANE-GAMMA	ug/l	0.05	<0.05	0.05	<0.05	0.0043	NTR - CC	
Well MW-12-183	SCP043	5/28/2013	CHLORDANE-GAMMA	ug/l	0.01	<0.01	0.01	<0.01	0.0043	NTR - CC	
Well MW-12-183	SCP043	5/28/2013	CHLORDANE-GAMMA	ug/l	0.05	<0.05	0.05	<0.05	0.0043	NTR - CC	
Well MW-12-185	SCP040	5/28/2013	CHLORDANE-GAMMA	ug/l	0.01	<0.01	0.01	<0.01	0.0043	NTR - CC	
Well MW-12-185	SCP040	5/28/2013	CHLORDANE-GAMMA	ug/l	0.05	<0.05	0.05	<0.05	0.0043	NTR - CC	
Well MW-12-190	SCP038	5/28/2013	CHLORDANE-GAMMA	ug/l	0.01	<0.01	0.01	<0.01	0.0043	NTR - CC	
Well MW-12-190	SCP038	5/28/2013	CHLORDANE-GAMMA	ug/l	0.05	<0.05	0.05	<0.05	0.0043	NTR - CC	
Well MW-12-191	SCP039	5/28/2013	CHLORDANE-GAMMA	ug/l	0.01	<0.01	-	-	0.0043	NTR - CC	
Well MW-12-191	SCP039	5/28/2013	CHLORDANE-GAMMA	ug/l	0.05	<0.05	-	-	0.0043	NTR - CC	
Columbia Canal at Eastside Drive	SCP037	5/28/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	-	-	-	-	
Drain Sump L-36	SCP053	5/29/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Drain Sump L-43	SCP055	5/29/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	-	-	-	-	
Drain Sump L-49	SCP058	5/29/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	-	-	-	-	
Drain Sump L-50	SCP057	5/29/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	-	-	-	-	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Nickel South Drain Sump	SCP059	5/30/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Poso Canal at Valeria Ave	SCP042	5/28/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	-	-	-	-	
Riverside Canal at Willis Road	SCP063	5/30/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	-	-	-	-	
San Joaquin River at Sack Dam	SCP041	5/28/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Sand Slough at El Nido Road	SCP047	5/29/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-10-89	SCP046	5/30/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	-	-	-	-	
Well MW-10-90	SCP050	5/29/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-10-94	SCP052	5/29/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-11-149	SCP065	5/30/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-11-150	SCP045	5/28/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-165	SCP067	5/29/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-169	SCP054	5/29/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-172	SCP056	5/29/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-174	SCP051	5/29/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-177	SCP068	5/29/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-183	SCP043	5/28/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-185	SCP040	5/28/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-190	SCP038	5/28/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-191	SCP039	5/28/2013	CHLOROBENZILATE	ug/l	0.1	<0.1	-	-	-	-	
Columbia Canal at Eastside Drive	SCP037	5/28/2013	CHLORONEB	ug/l	0.1	<0.1	-	-	-	-	
Drain Sump L-36	SCP053	5/29/2013	CHLORONEB	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Drain Sump L-43	SCP055	5/29/2013	CHLORONEB	ug/l	0.1	<0.1	-	-	-	-	
Drain Sump L-49	SCP058	5/29/2013	CHLORONEB	ug/l	0.1	<0.1	-	-	-	-	
Drain Sump L-50	SCP057	5/29/2013	CHLORONEB	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	CHLORONEB	ug/l	0.1	<0.1	-	-	-	-	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	CHLORONEB	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	CHLORONEB	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Nickel South Drain Sump	SCP059	5/30/2013	CHLORONEB	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Poso Canal at Valeria Ave	SCP042	5/28/2013	CHLORONEB	ug/l	0.1	<0.1	-	-	-	-	
Riverside Canal at Willis Road	SCP063	5/30/2013	CHLORONEB	ug/l	0.1	<0.1	-	-	-	-	
San Joaquin River at Sack Dam	SCP041	5/28/2013	CHLORONEB	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Sand Slough at El Nido Road	SCP047	5/29/2013	CHLORONEB	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-10-89	SCP046	5/30/2013	CHLORONEB	ug/l	0.1	<0.1	-	-	-	-	
Well MW-10-90	SCP050	5/29/2013	CHLORONEB	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-10-94	SCP052	5/29/2013	CHLORONEB	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-11-149	SCP052	5/29/2013	CHLORONEB	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-11-150	SCP045	5/28/2013	CHLORONEB	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-165	SCP067	5/29/2013	CHLORONEB	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-169	SCP066	5/29/2013	CHLORONEB	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-170	SCP054	5/29/2013	CHLORONEB	ug/l	0.1	<0.1	-	-	-	-	
Well MW-12-174	SCP056	5/29/2013	CHLORONEB	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-177	SCP051	5/29/2013	CHLORONEB	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-183	SCP068	5/29/2013	CHLORONEB	ug/l	0.1	<0.1	-	-	-	-	
Well MW-12-185	SCP043	5/28/2013	CHLORONEB	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-185	SCP040	5/28/2013	CHLORONEB	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-190	SCP038	5/28/2013	CHLORONEB	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-191	SCP039	5/28/2013	CHLORONEB	ug/l	0.1	<0.1	-	-	-	-	
Columbia Canal at Eastside Drive	SCP037	5/28/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	-	-	-	-	
Drain Sump L-36	SCP053	5/29/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Drain Sump L-43	SCP055	5/29/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	-	-	-	-	
Drain Sump L-49	SCP058	5/29/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	-	-	-	-	
Drain Sump L-50	SCP057	5/29/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	-	-	-	-	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Nickel South Drain Sump	SCP059	5/30/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Poso Canal at Valeria Ave	SCP042	5/28/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	-	-	-	-	
Riverside Canal at Willis Road	SCP063	5/30/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	
San Joaquin River at Sack Dam	SCP041	5/28/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Sand Slough at El Nido Road	SCP047	5/29/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-10-89	SCP046	5/30/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	-	-	-	-	
Well MW-10-90	SCP050	5/29/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-10-94	SCP052	5/29/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-11-149	SCP065	5/30/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-11-150	SCP045	5/28/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-165	SCP067	5/29/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-169	SCP066	5/29/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-170	SCP054	5/29/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	-	-	-	-	
Well MW-12-172	SCP056	5/29/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-174	SCP051	5/29/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	-	-	-	-	
Well MW-12-177	SCP068	5/29/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-183	SCP043	5/28/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-185	SCP040	5/28/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-189	SCP038	5/28/2013	CHLOROTHALONIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-190	SCP039	5/28/2013	CHLOROTOLURON	ug/l	0.1	<0.1	-	-	-	-	
Well MW-12-191	SCP037	5/28/2013	CHLOROTOLURON	ug/l	0.1	<0.1	0.1	<0.1	-	-	</

Water Quality Monitoring for SJR Seepage Management

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Well MW-12-183	SCP043	5/28/2013	CHRYSENE	ug/l	0.02	< 0.02		0.02	< 0.02	-	-
Well MW-12-185	SCP040	5/28/2013	CHRYSENE	ug/l	0.02	< 0.02		0.02	< 0.02	-	-
Well MW-12-190	SCP038	5/28/2013	CHRYSENE	ug/l	0.02	< 0.02		0.02	< 0.02	-	-
Well MW-12-191	SCP039	5/28/2013	CHRYSENE	ug/l	0.02	< 0.02	L	-	-	-	Lab surrogate - low recovery
Columbia Canal at Eastside Drive	SCP037	5/28/2013	COUMAPHOS	ug/l	0.2	< 0.2		-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	COUMAPHOS	ug/l	0.2	< 0.2		0.2	< 0.2	-	-
Drain Sump L-43	SCP055	5/29/2013	COUMAPHOS	ug/l	0.2	< 0.2		-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	COUMAPHOS	ug/l	0.2	< 0.2		-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	COUMAPHOS	ug/l	0.2	< 0.2		0.2	< 0.2	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	COUMAPHOS	ug/l	0.2	< 0.2		-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	COUMAPHOS	ug/l	0.2	< 0.2		0.2	< 0.2	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	COUMAPHOS	ug/l	0.2	< 0.2		0.2	< 0.2	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	COUMAPHOS	ug/l	0.2	< 0.2		0.2	< 0.2	-	-
Nickel South Drain Sump	SCP059	5/30/2013	COUMAPHOS	ug/l	0.2	< 0.2		0.2	< 0.2	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	COUMAPHOS	ug/l	0.2	< 0.2		-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	COUMAPHOS	ug/l	0.2	< 0.2		-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	COUMAPHOS	ug/l	0.2	< 0.2		0.2	< 0.2	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	COUMAPHOS	ug/l	0.2	< 0.2		0.2	< 0.2	-	-
Well MW-10-89	SCP046	5/30/2013	COUMAPHOS	ug/l	0.2	< 0.2		-	-	-	-
Well MW-10-90	SCP050	5/29/2013	COUMAPHOS	ug/l	0.2	< 0.2		0.2	< 0.2	-	-
Well MW-10-94	SCP052	5/29/2013	COUMAPHOS	ug/l	0.2	< 0.2		0.2	< 0.2	-	-
Well MW-11-149	SCP065	5/30/2013	COUMAPHOS	ug/l	0.2	< 0.2		0.2	< 0.2	-	-
Well MW-11-150	SCP045	5/28/2013	COUMAPHOS	ug/l	0.2	< 0.2		0.2	< 0.2	-	-
Well MW-12-165	SCP067	5/29/2013	COUMAPHOS	ug/l	0.2	< 0.2		0.2	< 0.2	-	-
Well MW-12-169	SCP066	5/29/2013	DEF	ug/l	0.1	< 0.1		-	-	-	-
Well MW-12-172	SCP056	5/29/2013	DEF	ug/l	0.2	< 0.2		0.2	< 0.2	-	-
Well MW-12-174	SCP051	5/29/2013	DEF	ug/l	0.2	< 0.2		0.2	< 0.2	-	-
Well MW-12-177	SCP068	5/29/2013	DEF	ug/l	0.2	< 0.2		0.2	< 0.2	-	-
Well MW-12-183	SCP043	5/28/2013	DEF	ug/l	0.2	< 0.2		0.2	< 0.2	-	-
Well MW-12-185	SCP040	5/28/2013	DEF	ug/l	0.2	< 0.2		0.2	< 0.2	-	-
Well MW-12-190	SCP038	5/28/2013	DEF	ug/l	0.2	< 0.2		0.2	< 0.2	-	-
Well MW-12-191	SCP039	5/28/2013	DEF	ug/l	0.2	< 0.2		0.2	< 0.2	-	-
Well MW-12-191	SCP039	5/28/2013	COUMAPHOS	ug/l	0.2	< 0.2		0.2	< 0.2	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	DEF	ug/l	0.1	< 0.1		-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	DEF	ug/l	0.1	< 0.1		0.05	< 0.05	-	-
Drain Sump L-43	SCP055	5/29/2013	DEF	ug/l	0.1	< 0.1		0.05	< 0.05	-	-
Drain Sump L-49	SCP058	5/29/2013	DEF	ug/l	0.1	< 0.1		-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	DEF	ug/l	0.1	< 0.1		0.05	< 0.05	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	DEF	ug/l	0.1	< 0.1		-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	DEF	ug/l	0.1	< 0.1		0.05	< 0.05	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	DEF	ug/l	0.1	< 0.1		0.05	< 0.05	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	DEF	ug/l	0.1	< 0.1		0.05	< 0.05	-	-
Nickel South Drain Sump	SCP059	5/30/2013	DEF	ug/l	0.1	< 0.1		0.05	< 0.05	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	DEF	ug/l	0.1	< 0.1		-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	DEF	ug/l	0.1	< 0.1		0.05	< 0.05	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	DEF	ug/l	0.1	< 0.1		0.05	< 0.05	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	DEF	ug/l	0.1	< 0.1		0.05	< 0.05	-	-
Well MW-10-89	SCP046	5/30/2013	DEF	ug/l	0.1	< 0.1		-	-	-	-
Well MW-10-90	SCP050	5/29/2013	DEF	ug/l	0.1	< 0.1		0.05	< 0.05	-	-
Well MW-10-94	SCP052	5/29/2013	DEF	ug/l	0.1	< 0.1		0.05	< 0.05	-	-
Well MW-11-149	SCP065	5/30/2013	DEF	ug/l	0.1	< 0.1		0.05	< 0.05	-	-
Well MW-11-150	SCP045	5/28/2013	DEF	ug/l	0.1	< 0.1		0.05	< 0.05	-	-
Well MW-12-165	SCP067	5/29/2013	DEF	ug/l	0.1	< 0.1		0.05	< 0.05	-	-
Well MW-12-169	SCP066	5/29/2013	DEF	ug/l	0.1	< 0.1		0.05	< 0.05	-	-
Well MW-12-170	SCP054	5/29/2013	DEF	ug/l	0.1	< 0.1		-	-	-	-
Well MW-12-172	SCP056	5/29/2013	DEF	ug/l	0.1	< 0.1		0.05	< 0.05	-	-
Well MW-12-174	SCP051	5/29/2013	DEF	ug/l	0.1	< 0.1		0.05	< 0.05	-	-
Well MW-12-177	SCP068	5/29/2013	DEF	ug/l	0.1	< 0.1		0.05	< 0.05	-	-
Well MW-12-183	SCP043	5/28/2013	DEF	ug/l	0.1	< 0.1		0.05	< 0.05	-	-
Well MW-12-185	SCP040	5/28/2013	DEF	ug/l	0.1	< 0.1		0.05	< 0.05	-	-
Well MW-12-190	SCP038	5/28/2013	DEF	ug/l	0.1	< 0.1		0.05	< 0.05	-	-
Well MW-12-191	SCP039	5/28/2013	DEF	ug/l	0.1	< 0.1		-	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	DEMETON	ug/l	0.2	< 0.2		-	-	0.2 ¹	NRWQC - IM
Drain Sump L-36	SCP053	5/29/2013	DEMETON	ug/l	0.2	< 0.2		0.2	< 0.2	0.2 ¹	NRWQC - IM
Drain Sump L-43	SCP055	5/29/2013	DEMETON	ug/l	0.2	< 0.2		-	-	0.2 ¹	NRWQC - IM
Drain Sump L-49	SCP058	5/29/2013	DEMETON	ug/l	0.2	< 0.2		-	-	0.2 ¹	NRWQC - IM
Drain Sump L-50	SCP057	5/29/2013	DEMETON	ug/l	0.2	< 0.2		0.2	< 0.2	0.2 ¹	NRWQC - IM
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	DEMETON	ug/l	0.2	< 0.2		-	-	0.2 ¹	NRWQC - IM
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	DEMETON	ug/l	0.2	< 0.2		0.2	< 0.2	0.2 ¹	NRWQC - IM
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	DEMETON	ug/l	0.2	< 0.2		0.2	< 0.2	0.2 ¹	NRWQC - IM
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	DEMETON	ug/l	0.2	< 0.2		0.2	< 0.2	0.2 ¹	NRWQC - IM
Nickel South Drain Sump	SCP059	5/30/2013	DEMETON	ug/l	0.2	< 0.2		0.2	< 0.2	0.2 ¹	NRWQC - IM
Poso Canal at Valeria Ave	SCP042	5/28/2013	DEMETON	ug/l	0.2	< 0.2		-	-	0.2 ¹	NRWQC - IM
Riverside Canal at Willis Road	SCP063	5/30/2013	DEMETON	ug/l	0.2	< 0.2		-	-	0.23	NRWQC - IM
San Joaquin River at Sack Dam	SCP041	5/28/2013	DEMETON	ug/l	0.2	< 0.2		0.2	< 0.2	0.2 ¹	NRWQC - IM
Sand Slough at El Nido Road	SCP047	5/29/2013	DEMETON	ug/l	0.2	< 0.2		0.2	< 0.2	0.2 ¹	NRWQC - IM
Well MW-10-89	SCP046	5/30/2013	DEMETON	ug/l	0.2	< 0.2		-	-	0.2 ¹	NRWQC - IM
Well MW-10-90	SCP050	5/29/2013	DEMETON	ug/l	0.2	< 0.2		0.2	< 0.2	0.2 ¹	NRWQC - IM
Well MW-10-94	SCP052	5/29/2013	DEMETON	ug/l	0.2	< 0.2		0.2	< 0.2	0.2 ¹	NRWQC - IM
Well MW-11-149	SCP065	5/30/2013	DEMETON	ug/l	0.2	< 0.2		0.2	< 0.2	0.2 ¹	NRWQC - IM
Well MW-11-150	SCP045	5/28/2013	DEMETON	ug/l	0.2	< 0.2		0.2	< 0.2	0.2 ¹	NRWQC - IM
Well MW-12-165	SCP067	5/29/2013	DEMETON	ug/l	0.2	< 0.2		0.2	< 0.2	0.21	NRWQC - IM
Well MW-12-169	SCP066	5/29/2013	DEMETON	ug/l	0.2	< 0.2		0.2	< 0.2	0.2 ¹	NRWQC - IM
Well MW-12-172	SCP068	5/29/2013	DEMETON	ug/l	0.2	< 0.2		0.2	< 0.2	0.2 ¹	NRWQC - IM
Well MW-12-174	SCP051	5/29/2013	DEMETON	ug/l	0.2	< 0.2		0.2	< 0.2	0.2 ¹	NRWQC - IM
Well MW-12-177	SCP063	5/29/2013	DEMETON	ug/l	0.2	< 0.2		0.2	< 0.2	0.2 ¹	NRWQC - IM
Well MW-12-183	SCP043	5/28/2013	DEMETON	ug/l	0.2	< 0.2		0.2	< 0.2	0.2 ¹	NRWQC - IM
Well MW-12-185	SCP040	5/28/2013	DEMETON	ug/l	0.2	< 0.2		0.2	< 0.2	0.2 ¹	NRWQC - IM
Well MW-12-190	SCP038	5/28/2013	DEMETON	ug/l	0.2	< 0.2		0.2	< 0.2	0.2 ¹	NRWQC - IM
Well MW-12-191	SCP039	5/28/2013	DEMETON	ug/l	0.2	< 0.2		-	-	0.2 ¹	NRWQC - IM
Columbia Canal at Eastside Drive	SCP037	5/28/2013	DIAZINON	ug/l	0.01	< 0.01		-	-	0.05	CTR - CC
Drain Sump L-36	SCP053	5/29/2013	DIAZINON	ug/l	0.01	< 0.01		0.1	< 0.1	0.05	CTR - CC
Drain Sump L-43	SCP053	5/29/2013	DIAZINON	ug/l	-	-		0.05	< 0.05	0.05	CTR - CC
Drain Sump L-49	SCP055	5/29/2013	DIAZINON	ug/l	0.01	< 0.01		-	-	0.05	CTR - CC
Drain Sump L-50	SCP058	5/29/2013	DIAZINON	ug/l	0.01	< 0.01		-	-	0.05	CTR - CC
Drain Sump L-50	SCP057	5/29/2013	DIAZINON	ug/l	0.01	< 0.01		0.1	< 0.1	0.05	CTR - CC
Drain Sump L-50	SCP057	5/29/2013	DIAZINON	ug/l	-	-		0.05	< 0.05	0.05	CTR - CC
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	DIAZINON	ug/l	0.01	< 0.01		-	-	0.05	CTR - CC
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	DIAZINON	ug/l	0.01	< 0.01		0.1	< 0.1	0.05	CTR - CC
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	DIAZINON	ug/l	-	-		0.05	< 0.05	0.05	CTR -

Water Quality Monitoring for SJR Seepage Management

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Water Quality Monitoring for SJR Seepage Management

Well MW-12-190	SCP038	5/28/2013	DIMETHYL PHTHALATE	ug/l	0.5	<0.5		0.5	<0.5	3	NRWQC Chronic
Well MW-12-191	SCP039	5/28/2013	DIMETHYL PHTHALATE	ug/l	0.5	<0.5		-	-	3	NRWQC Chronic
Columbia Canal at Eastside Drive	SCP037	5/28/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1		-	-	3	NRWQC Chronic
Drain Sump L-36	SCP053	5/29/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1	1	<1	3	NRWQC Chronic	
Drain Sump L-43	SCP055	5/29/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1		-	-	3	NRWQC Chronic
Drain Sump L-49	SCP058	5/29/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1		-	-	3	NRWQC Chronic
Drain Sump L-50	SCP057	5/29/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1	1	<1	3	NRWQC Chronic	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1		-	-	3	NRWQC Chronic
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1	1	<1	3	NRWQC Chronic	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1	1	<1	3	NRWQC Chronic	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1	1	<1	3	NRWQC Chronic	
Nickel South Drain Sump	SCP059	5/30/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1	1	<1	3	NRWQC Chronic	
Poso Canal at Valeria Ave	SCP042	5/28/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1		-	-	3	NRWQC Chronic
Riverside Canal at Willis Road	SCP063	5/30/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1		-	-	3	NRWQC Chronic
San Joaquin River at Sack Dam	SCP041	5/28/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1	1	<1	3	NRWQC Chronic	
Sand Slough at El Nido Road	SCP047	5/29/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1	1	<1	3	NRWQC Chronic	
Well MW-10-89	SCP046	5/29/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1		-	-	3	NRWQC Chronic
Well MW-10-90	SCP050	5/29/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1	1	<1	3	NRWQC Chronic	
Well MW-10-94	SCP052	5/29/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1	1	<1	3	NRWQC Chronic	
Well MW-11-149	SCP065	5/30/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1	1	<1	3	NRWQC Chronic	
Well MW-11-150	SCP045	5/28/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1	1	<1	3	NRWQC Chronic	
Well MW-12-165	SCP067	5/29/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1	1	<1	3	NRWQC Chronic	
Well MW-12-169	SCP066	5/29/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1	1	<1	3	NRWQC Chronic	
Well MW-12-170	SCP054	5/29/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1		-	-	3	NRWQC Chronic
Well MW-12-172	SCP056	5/29/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1	1	<1	3	NRWQC Chronic	
Well MW-12-174	SCP051	5/29/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1	1	<1	3	NRWQC Chronic	
Well MW-12-177	SCP068	5/29/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1	1	<1	3	NRWQC Chronic	
Well MW-12-183	SCP043	5/28/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1	1	<1	3	NRWQC Chronic	
Well MW-12-185	SCP040	5/28/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1	1	<1	3	NRWQC Chronic	
Well MW-12-190	SCP038	5/28/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1	1	<1	3	NRWQC Chronic	
Well MW-12-191	SCP039	5/28/2013	DI-N-BUTYL PHTHALATE	ug/l	1	<1		-	-	3	NRWQC Chronic
Columbia Canal at Eastside Drive	SCP037	5/28/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1		-	-	-	
Drain Sump L-36	SCP053	5/29/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Drain Sump L-43	SCP055	5/29/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1		-	-	-	
Drain Sump L-49	SCP058	5/29/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1		-	-	-	
Drain Sump L-50	SCP057	5/29/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1		-	-	-	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Nickel South Drain Sump	SCP059	5/30/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Poso Canal at Valeria Ave	SCP042	5/28/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1		-	-	-	
Riverside Canal at Willis Road	SCP063	5/30/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1		-	-	-	
San Joaquin River at Sack Dam	SCP041	5/28/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Sand Slough at El Nido Road	SCP047	5/29/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-10-89	SCP046	5/30/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1		-	-	-	
Well MW-10-90	SCP050	5/29/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1	L	0.1	<0.1	-	Lab surrogate - low recovery
Well MW-10-94	SCP052	5/29/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	Lab surrogate - low recovery
Well MW-11-149	SCP065	5/30/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1	L	0.1	<0.1	-	Lab surrogate - low recovery
Well MW-11-150	SCP045	5/28/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-165	SCP067	5/29/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-169	SCP066	5/29/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-170	SCP054	5/29/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1		-	-	-	
Well MW-12-172	SCP056	5/29/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-174	SCP051	5/29/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-177	SCP068	5/29/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-183	SCP043	5/28/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-185	SCP040	5/28/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-190	SCP038	5/28/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Well MW-12-191	SCP039	5/28/2013	DI-N-OCTYL PHTHALATE	ug/l	0.1	<0.1	L	-	-	-	Lab surrogate - low recovery
Columbia Canal at Eastside Drive	SCP037	5/28/2013	DISULFOTON	ug/l	0.1	<0.1		-	0.05	NRWQC - IM	
Drain Sump L-36	SCP053	5/29/2013	DISULFOTON	ug/l	0.1	0.28	0.1	<0.1	0.05	NRWQC - IM	
Drain Sump L-43	SCP055	5/29/2013	DISULFOTON	ug/l	0.1	<0.1		-	0.05	NRWQC - IM	
Drain Sump L-49	SCP058	5/29/2013	DISULFOTON	ug/l	0.1	<0.1		-	0.05	NRWQC - IM	
Drain Sump L-50	SCP057	5/29/2013	DISULFOTON	ug/l	0.1	<0.1		-	0.05	NRWQC - IM	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	DISULFOTON	ug/l	0.1	<0.1		-	0.05	NRWQC - IM	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	DISULFOTON	ug/l	0.1	<0.1	0.1	<0.1	0.05	NRWQC - IM	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	DISULFOTON	ug/l	0.1	<0.1	0.1	<0.1	0.05	NRWQC - IM	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	DISULFOTON	ug/l	0.1	<0.1	0.1	<0.1	0.05	NRWQC - IM	
Nickel South Drain Sump	SCP059	5/30/2013	DISULFOTON	ug/l	0.1	<0.1	0.1	<0.1	0.05	NRWQC - IM	
Poso Canal at Valeria Ave	SCP042	5/28/2013	DISULFOTON	ug/l	0.1	<0.1		-	-		
Riverside Canal at Willis Road	SCP063	5/30/2013	DISULFOTON	ug/l	0.1	<0.1		-	-		
San Joaquin River at Sack Dam	SCP041	5/28/2013	DISULFOTON	ug/l	0.1	<0.1	0.1	<0.1	0.05	NRWQC - IM	
Sand Slough at El Nido Road	SCP047	5/29/2013	DISULFOTON	ug/l	0.1	<0.1	0.1	<0.1	0.05	NRWQC - IM	
Well MW-10-89	SCP046	5/30/2013	DISULFOTON	ug/l	0.1	<0.1		-	-		
Well MW-10-90	SCP050	5/29/2013	DISULFOTON	ug/l	0.1	<0.1	0.1	<0.1	-		
Well MW-10-94	SCP052	5/29/2013	DISULFOTON	ug/l	0.1	<0.1	0.1	<0.1	-		
Well MW-11-149	SCP065	5/30/2013	DISULFOTON	ug/l	0.1	<0.1	0.1	<0.1	-		
Well MW-11-150	SCP045	5/28/2013	DISULFOTON	ug/l	0.1	0.67	0.1	<0.1	0.05	NRWQC - IM	
Well MW-12-165	SCP067	5/29/2013	DISULFOTON	ug/l	0.1	<0.1	0.1	<0.1	0.05	NRWQC - IM	
Well MW-12-169	SCP066	5/29/2013	DISULFOTON	ug/l	0.1	<0.1	0.1	<0.1	0.05	NRWQC - IM	
Well MW-12-170	SCP054	5/29/2013	DISULFOTON	ug/l	0.1	<0.1		-	0.05	NRWQC - IM	
Well MW-12-172	SCP056	5/29/2013	DISULFOTON	ug/l	0.1	<0.1	0.1	<0.1	0.05	NRWQC - IM	
Well MW-12-174	SCP051	5/29/2013	DISULFOTON	ug/l	0.1	<0.1	0.1	<0.1	0.05	NRWQC - IM	
Well MW-12-177	SCP068	5/29/2013	DISULFOTON	ug/l	0.1	<0.1	0.1	<0.1	0.05	NRWQC - IM	
Well MW-12-183	SCP043	5/28/2013	DISULFOTON	ug/l	0.1	<0.1	0.1	<0.1	0.05	NRWQC - IM	
Well MW-12-185	SCP040	5/28/2013	DISULFOTON	ug/l	0.1	<0.1	0.1	<0.1	0.05	NRWQC - IM	
Well MW-12-190	SCP038	5/28/2013	DISULFOTON	ug/l	0.1	<0.1	0.1	<0.1	0.05	NRWQC - IM	
Well MW-12-191	SCP039	5/28/2013	DISULFOTON	ug/l	0.1	<0.1		-	0.05	NRWQC - IM	
Columbia Canal at Eastside Drive	SCP037	5/28/2013	DIURON	ug/l	0.1	<0.1		-	-	-	
Drain Sump L-36	SCP053	5/29/2013	DIURON	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Drain Sump L-43	SCP055	5/29/2013	DIURON	ug/l	0.1	<0.1		-	-	-	
Drain Sump L-49	SCP058	5/29/2013	DIURON	ug/l	0.1	<0.1		-	-	-	
Drain Sump L-50	SCP057	5/29/2013	DIURON	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	DIURON	ug/l	0.1	<0.1		-	-	-	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	DIURON	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	DIURON	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	DIURON	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Nickel South Drain Sump	SCP059	5/30/2013	DIURON	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Poso Canal at Valeria Ave	SCP042	5/28/2013	DIURON	ug/l	0.1	<0.1		-	-	-	
Riverside Canal at Willis Road	SCP063	5/30/2013	DIURON	ug/l	0.1	<0.1		-	-	-	
San Joaquin River at Sack Dam	SCP041	5/28/2013	DIURON	ug/l	0.1	<0.1	0.1	<0.1	-	-	
Sand Slough at El Nido Road	SCP047	5/29/2013	DIURON	ug/l	0.1	<0.1	0.1	<0.1	-	-	

Water Quality Monitoring for SJR Seepage Management

Water Quality Monitoring for SJR Seepage Management

Riverside Canal at Willis Road	SCP063	5/30/2013	ETHION	ug/l	0.1	< 0.1	-	-	0.02	NRWQC - IM
San Joaquin River at Sack Dam	SCP041	5/28/2013	ETHION	ug/l	0.1	< 0.1	0.1	< 0.1	0.02	NRWQC - IM
Sand Slough at El Nido Road	SCP047	5/29/2013	ETHION	ug/l	0.1	< 0.1	0.1	< 0.1	0.02	NRWQC - IM
Well MW-10-89	SCP046	5/30/2013	ETHION	ug/l	0.1	< 0.1	-	-	0.02	NRWQC - IM
Well MW-10-90	SCP050	5/29/2013	ETHION	ug/l	0.1	< 0.1	0.1	< 0.1	0.02	NRWQC - IM
Well MW-10-94	SCP052	5/29/2013	ETHION	ug/l	0.1	< 0.1	0.1	< 0.1	0.02	NRWQC - IM
Well MW-11-149	SCP065	5/30/2013	ETHION	ug/l	0.1	< 0.1	0.1	< 0.1	0.02	NRWQC - IM
Well MW-11-150	SCP045	5/28/2013	ETHION	ug/l	0.1	< 0.1	0.1	< 0.1	0.02	NRWQC - IM
Well MW-12-165	SCP067	5/29/2013	ETHION	ug/l	0.1	< 0.1	0.1	< 0.1	0.02	NRWQC - IM
Well MW-12-169	SCP066	5/29/2013	ETHION	ug/l	0.1	< 0.1	0.1	< 0.1	0.02	NRWQC - IM
Well MW-12-170	SCP054	5/29/2013	ETHION	ug/l	0.1	< 0.1	-	-	0.02	NRWQC - IM
Well MW-12-172	SCP056	5/29/2013	ETHION	ug/l	0.1	< 0.1	0.1	< 0.1	0.02	NRWQC - IM
Well MW-12-174	SCP051	5/29/2013	ETHION	ug/l	0.1	< 0.1	0.1	< 0.1	0.02	NRWQC - IM
Well MW-12-177	SCP068	5/29/2013	ETHION	ug/l	0.1	< 0.1	0.1	< 0.1	0.02	NRWQC - IM
Well MW-12-183	SCP043	5/28/2013	ETHION	ug/l	0.1	< 0.1	0.1	< 0.1	0.02	NRWQC - IM
Well MW-12-185	SCP040	5/28/2013	ETHION	ug/l	0.1	< 0.1	0.1	< 0.1	0.02	NRWQC - IM
Well MW-12-190	SCP038	5/28/2013	ETHION	ug/l	0.1	< 0.1	0.1	< 0.1	0.02	NRWQC - IM
Well MW-12-191	SCP039	5/28/2013	ETHION	ug/l	0.1	< 0.1	-	-	0.02	NRWQC - IM
Columbia Canal at Eastside Drive	SCP037	5/28/2013	ETHOPROP	ug/l	0.1	< 0.1	-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	ETHOPROP	ug/l	0.1	< 0.1	0.1	< 0.1	-	-
Drain Sump L-43	SCP055	5/29/2013	ETHOPROP	ug/l	0.1	< 0.1	-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	ETHOPROP	ug/l	0.1	< 0.1	-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	ETHOPROP	ug/l	0.1	< 0.1	0.1	< 0.1	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	ETHOPROP	ug/l	0.1	< 0.1	-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	ETHOPROP	ug/l	0.1	< 0.1	0.1	< 0.1	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	ETHOPROP	ug/l	0.1	< 0.1	0.1	< 0.1	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	ETHOPROP	ug/l	0.1	< 0.1	0.1	< 0.1	-	-
Nickel South Drain Sump	SCP059	5/30/2013	ETHOPROP	ug/l	0.1	< 0.1	0.1	< 0.1	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	ETHOPROP	ug/l	0.1	< 0.1	-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	ETHOPROP	ug/l	0.1	< 0.1	-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	ETHOPROP	ug/l	0.1	< 0.1	0.1	< 0.1	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	ETHOPROP	ug/l	0.1	< 0.1	-	-	-	-
Well MW-10-89	SCP046	5/30/2013	ETHOPROP	ug/l	0.1	< 0.1	-	-	-	-
Well MW-10-90	SCP050	5/29/2013	ETHOPROP	ug/l	0.1	< 0.1	0.1	< 0.1	-	-
Well MW-10-94	SCP052	5/30/2013	ETHOPROP	ug/l	0.1	< 0.1	0.1	< 0.1	-	-
Well MW-11-149	SCP065	5/30/2013	ETHOPROP	ug/l	0.1	< 0.1	0.1	< 0.1	-	-
Well MW-11-150	SCP045	5/29/2013	ETHOPROP	ug/l	0.1	< 0.1	0.1	< 0.1	-	-
Well MW-12-165	SCP067	5/29/2013	ETHOPROP	ug/l	0.1	< 0.1	0.1	< 0.1	-	-
Well MW-12-169	SCP066	5/29/2013	ETHOPROP	ug/l	0.1	< 0.1	0.1	< 0.1	-	-
Well MW-12-172	SCP056	5/29/2013	ETHOPROP	ug/l	0.1	< 0.1	0.1	< 0.1	-	-
Well MW-12-174	SCP051	5/29/2013	ETHOPROP	ug/l	0.1	< 0.1	0.1	< 0.1	-	-
Well MW-12-177	SCP068	5/29/2013	ETHOPROP	ug/l	0.1	< 0.1	0.1	< 0.1	-	-
Well MW-12-183	SCP043	5/28/2013	ETHOPROP	ug/l	0.1	< 0.1	0.1	< 0.1	-	-
Well MW-12-185	SCP040	5/28/2013	ETHOPROP	ug/l	0.1	< 0.1	0.1	< 0.1	-	-
Well MW-12-190	SCP038	5/28/2013	ETHOPROP	ug/l	0.1	< 0.1	0.1	< 0.1	-	-
Well MW-12-191	SCP039	5/28/2013	ETHOPROP	ug/l	0.1	< 0.1	-	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	0.01	< 0.01	-	-
Drain Sump L-43	SCP055	5/29/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	0.01	< 0.01	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	0.01	< 0.01	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	0.01	< 0.01	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	0.01	< 0.01	-	-
Nickel South Drain Sump	SCP059	5/30/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	0.01	< 0.01	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	0.01	< 0.01	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	-	-	-	-
Well MW-10-89	SCP046	5/30/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	-	-	-	-
Well MW-10-90	SCP050	5/29/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	0.01	< 0.01	-	-
Well MW-10-94	SCP052	5/29/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	0.01	< 0.01	-	-
Well MW-11-149	SCP065	5/30/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	0.01	< 0.01	-	-
Well MW-11-150	SCP045	5/28/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	0.01	< 0.01	-	-
Well MW-12-165	SCP067	5/29/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	0.01	< 0.01	-	-
Well MW-12-169	SCP066	5/29/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	0.01	< 0.01	-	-
Well MW-12-172	SCP068	5/29/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	0.01	< 0.01	-	-
Well MW-12-174	SCP051	5/29/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	0.01	< 0.01	-	-
Well MW-12-177	SCP068	5/29/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	0.01	< 0.01	-	-
Well MW-12-183	SCP043	5/28/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	0.01	< 0.01	-	-
Well MW-12-185	SCP040	5/28/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	0.01	< 0.01	-	-
Well MW-12-190	SCP038	5/28/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	0.01	< 0.01	-	-
Well MW-12-191	SCP039	5/28/2013	ETHYLENE DIBROMIDE	ug/l	0.01	< 0.01	-	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	FENSULFOTHION	ug/l	0.5	< 0.5	-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	FENSULFOTHION	ug/l	0.5	< 0.5	0.5	< 0.5	-	-
Drain Sump L-43	SCP055	5/29/2013	FENSULFOTHION	ug/l	0.5	< 0.5	-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	FENSULFOTHION	ug/l	0.5	< 0.5	-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	FENSULFOTHION	ug/l	0.5	< 0.5	0.5	< 0.5	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	FENSULFOTHION	ug/l	0.5	< 0.5	-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	FENSULFOTHION	ug/l	0.5	< 0.5	0.5	< 0.5	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	FENSULFOTHION	ug/l	0.5	< 0.5	0.5	< 0.5	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	FENSULFOTHION	ug/l	0.5	< 0.5	0.5	< 0.5	-	-
Nickel South Drain Sump	SCP059	5/30/2013	FENSULFOTHION	ug/l	0.5	< 0.5	0.5	< 0.5	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	FENSULFOTHION	ug/l	0.5	< 0.5	-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	FENSULFOTHION	ug/l	0.5	< 0.5	-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	FENSULFOTHION	ug/l	0.5	< 0.5	0.5	< 0.5	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	FENSULFOTHION	ug/l	0.5	< 0.5	0.5	< 0.5	-	-
Well MW-10-89	SCP046	5/30/2013	FENSULFOTHION	ug/l	0.5	< 0.5	-	-	-	-
Well MW-10-90	SCP050	5/29/2013	FENSULFOTHION	ug/l	0.5	< 0.5	0.5	< 0.5	-	-
Well MW-10-94	SCP052	5/29/2013	FENSULFOTHION	ug/l	0.5	< 0.5	0.5	< 0.5	-	-
Well MW-11-149	SCP065	5/30/2013	FENSULFOTHION	ug/l	0.5	< 0.5	0.5	< 0.5	-	-
Well MW-11-150	SCP045	5/28/2013	FENSULFOTHION	ug/l	0.5	< 0.5	0.5	< 0.5	-	-
Well MW-12-165	SCP067	5/29/2013	FENSULFOTHION	ug/l	0.5	< 0.5	0.5	< 0.5	-	-
Well MW-12-169	SCP066	5/29/2013	FENSULFOTHION	ug/l	0.5	< 0.5	0.5	< 0.5	-	-
Well MW-12-172	SCP051	5/29/2013	FENSULFOTHION	ug/l	0.5	< 0.5	0.5	< 0.5	-	-
Well MW-12-177	SCP068	5/29/2013	FENSULFOTHION	ug/l	0.5	< 0.5	0.5	< 0.5	-	-
Well MW-12-183	SCP043	5/28/2013	FENSULFOTHION	ug/l	0.5	< 0.5	0.5	< 0.5	-	-
Well MW-12-185	SCP040	5/28/2013	FENSULFOTHION	ug/l	0.5	< 0.5	0.5	< 0.5	-	-
Well MW-12-190	SCP038	5/28/2013	FENSULFOTHION	ug/l	0.5	< 0.5	0.5	< 0.5	-	-
Well MW-12-191	SCP039	5/28/2013	FENSULFOTHION	ug/l	0.5	< 0.5	-	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	FENTHION	ug/l	0.1	< 0.1	0.1	< 0.1	-	-
Drain Sump L-36	SCP053	5/29/2013	FENTHION	ug/l	0.1	< 0.1	0.1	< 0.1	-	-

Water Quality Monitoring for SJR Seepage Management

Water Quality Monitoring for SJR Seepage Management

Water Quality Monitoring for SJR Seepage Management

Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	HCH-BETA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	HCH-BETA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	HCH-BETA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	HCH-BETA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	HCH-BETA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel South Drain Sump	SCP059	5/30/2013	HCH-BETA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Nickel South Drain Sump	SCP059	5/30/2013	HCH-BETA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	HCH-BETA	ug/l	0.01	< 0.01		-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	HCH-BETA	ug/l	0.01	< 0.01		-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	HCH-BETA	ug/l	0.1	< 0.1		-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	HCH-BETA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	HCH-BETA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	HCH-BETA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	HCH-BETA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-10-89	SCP046	5/30/2013	HCH-BETA	ug/l	0.01	< 0.01		-	-	-	-
Well MW-10-89	SCP046	5/30/2013	HCH-BETA	ug/l	0.1	< 0.1		-	-	-	-
Well MW-10-90	SCP050	5/29/2013	HCH-BETA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-10-90	SCP050	5/29/2013	HCH-BETA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-10-94	SCP052	5/29/2013	HCH-BETA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-10-94	SCP052	5/29/2013	HCH-BETA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-11-149	SCP065	5/30/2013	HCH-BETA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-11-149	SCP065	5/30/2013	HCH-BETA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-11-150	SCP045	5/28/2013	HCH-BETA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-11-150	SCP045	5/28/2013	HCH-BETA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-165	SCP067	5/29/2013	HCH-BETA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-165	SCP067	5/29/2013	HCH-BETA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-169	SCP066	5/29/2013	HCH-BETA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-170	SCP054	5/29/2013	HCH-BETA	ug/l	0.01	< 0.01		-	-	-	-
Well MW-12-170	SCP054	5/29/2013	HCH-BETA	ug/l	0.1	< 0.1		-	-	-	-
Well MW-12-172	SCP056	5/29/2013	HCH-BETA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-172	SCP056	5/29/2013	HCH-BETA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-174	SCP051	5/29/2013	HCH-BETA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-174	SCP051	5/29/2013	HCH-BETA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-177	SCP068	5/29/2013	HCH-BETA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-183	SCP043	5/28/2013	HCH-BETA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-183	SCP043	5/28/2013	HCH-BETA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-185	SCP040	5/28/2013	HCH-BETA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-185	SCP040	5/28/2013	HCH-BETA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	HCH-DELTA	ug/l	0.01	< 0.01		-	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	HCH-DELTA	ug/l	0.1	< 0.1		-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	HCH-DELTA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Drain Sump L-36	SCP053	5/29/2013	HCH-DELTA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Drain Sump L-43	SCP055	5/29/2013	HCH-DELTA	ug/l	0.01	< 0.01		-	-	-	-
Drain Sump L-43	SCP055	5/29/2013	HCH-DELTA	ug/l	0.1	< 0.1		-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	HCH-DELTA	ug/l	0.01	< 0.01		-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	HCH-DELTA	ug/l	0.1	< 0.1		-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	HCH-DELTA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Drain Sump L-50	SCP057	5/29/2013	HCH-DELTA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	HCH-DELTA	ug/l	0.01	< 0.01		-	-	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	HCH-DELTA	ug/l	0.1	< 0.1		-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	HCH-DELTA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	HCH-DELTA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	HCH-DELTA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	HCH-DELTA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	HCH-DELTA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel South Drain Sump	SCP059	5/30/2013	HCH-DELTA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Nickel South Drain Sump	SCP059	5/30/2013	HCH-DELTA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	HCH-DELTA	ug/l	0.01	< 0.01		-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	HCH-DELTA	ug/l	0.01	< 0.01		-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	HCH-DELTA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	HCH-DELTA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	HCH-DELTA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	HCH-DELTA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-10-89	SCP046	5/30/2013	HCH-DELTA	ug/l	0.01	< 0.01		-	-	-	-
Well MW-10-89	SCP046	5/30/2013	HCH-DELTA	ug/l	0.1	< 0.1		-	-	-	-
Well MW-10-90	SCP050	5/29/2013	HCH-DELTA	ug/l	0.01	< 0.01		0.01	0.013	-	-
Well MW-10-90	SCP050	5/29/2013	HCH-DELTA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-10-94	SCP052	5/29/2013	HCH-DELTA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-11-149	SCP065	5/30/2013	HCH-DELTA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-11-149	SCP065	5/30/2013	HCH-DELTA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-11-150	SCP045	5/28/2013	HCH-DELTA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-11-150	SCP045	5/28/2013	HCH-DELTA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-165	SCP067	5/29/2013	HCH-DELTA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-165	SCP067	5/29/2013	HCH-DELTA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-169	SCP066	5/29/2013	HCH-DELTA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-169	SCP066	5/29/2013	HCH-DELTA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-170	SCP054	5/29/2013	HCH-DELTA	ug/l	0.01	< 0.01		-	-	-	-
Well MW-12-170	SCP054	5/29/2013	HCH-DELTA	ug/l	0.1	< 0.1		-	-	-	-
Well MW-12-172	SCP056	5/29/2013	HCH-DELTA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-172	SCP056	5/29/2013	HCH-DELTA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-174	SCP051	5/29/2013	HCH-DELTA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-174	SCP051	5/29/2013	HCH-DELTA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-177	SCP068	5/29/2013	HCH-DELTA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-177	SCP068	5/29/2013	HCH-DELTA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-183	SCP043	5/28/2013	HCH-DELTA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-183	SCP043	5/28/2013	HCH-DELTA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-185	SCP040	5/28/2013	HCH-DELTA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-185	SCP038	5/28/2013	HCH-DELTA	ug/l	0.01	< 0.01		0.01	< 0.01	-	-
Well MW-12-190	SCP038	5/28/2013	HCH-DELTA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-190	SCP038	5/28/2013	HCH-DELTA	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-191	SCP039	5/28/2013	HCH-DELTA	ug/l	0.01	< 0.01		-	-	-	-
Well MW-12-191	SCP039	5/28/2013	HCH-DELTA	ug/l	0.1	< 0.1		-	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	HEPTACHLOR	ug/l	0.01	< 0.01		-	-	0.0038	NTR - CC
Columbia Canal at Eastside Drive	SCP037	5/28/2013	HEPTACHLOR	ug/l	0.03	< 0.03		-	-	0.0038	NTR - CC
Drain Sump L-36	SCP053	5/29/2013	HEPTACHLOR	ug/l	0.01	< 0.01		0.01	< 0.01	0.0038	NTR - CC
Drain Sump L-36	SCP053	5/29/2013	HEPTACHLOR	ug/l	0.03	< 0.03		0.03	< 0.03	0.0038	NTR - CC

Water Quality Monitoring for SJR Seepage Management

Water Quality Monitoring for SJR Seepage Management

Well MW-12-177	SCP068	5/29/2013	HEPTACHLOR EPOXIDE (ISOMER B)	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-183	SCP043	5/28/2013	HEPTACHLOR EPOXIDE (ISOMER B)	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-185	SCP040	5/28/2013	HEPTACHLOR EPOXIDE (ISOMER B)	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-190	SCP038	5/28/2013	HEPTACHLOR EPOXIDE (ISOMER B)	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-191	SCP039	5/28/2013	HEPTACHLOR EPOXIDE (ISOMER B)	ug/l	0.05	< 0.05	-	-	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Drain Sump L-43	SCP055	5/29/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Nickel South Drain Sump	SCP059	5/30/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-10-89	SCP046	5/30/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		-	-	-	-
Well MW-10-90	SCP050	5/29/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-10-94	SCP052	5/29/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-11-149	SCP065	5/30/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-11-150	SCP045	5/29/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-165	SCP067	5/29/2013	HEXAChLOROCYCLOPENTADIENE	ug/l	0.05	< 0.05		-	-	-	-
Well MW-12-169	SCP054	5/29/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		-	-	-	-
Well MW-12-172	SCP056	5/29/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-177	SCP068	5/29/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-183	SCP043	5/28/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-185	SCP040	5/28/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-190	SCP038	5/28/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-191	SCP039	5/28/2013	HEXAChLOROBENZENE	ug/l	0.05	< 0.05		-	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Drain Sump L-43	SCP055	5/29/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Nickel South Drain Sump	SCP059	5/30/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-10-89	SCP046	5/30/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		-	-	-	-
Well MW-10-90	SCP050	5/29/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05	L	0.05	< 0.05	-	Lab surrogate - low recovery
Well MW-10-94	SCP052	5/29/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-11-149	SCP065	5/30/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05	L	0.05	< 0.05	-	Lab surrogate - low recovery
Well MW-11-150	SCP045	5/28/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		-	-	-	-
Well MW-12-165	SCP067	5/29/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-169	SCP066	5/29/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-170	SCP056	5/29/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		-	-	-	-
Well MW-12-172	SCP054	5/29/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		-	-	-	-
Well MW-12-174	SCP056	5/29/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-177	SCP068	5/29/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-183	SCP043	5/28/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-185	SCP040	5/28/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-190	SCP038	5/28/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-191	SCP039	5/28/2013	INDENO[1,2,3-CD]PYRENE	ug/l	0.05	< 0.05		-	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	ISOPHORONE	ug/l	0.5	< 0.5		0.5	< 0.5	-	-
Drain Sump L-36	SCP053	5/29/2013	ISOPHORONE	ug/l	0.5	< 0.5		-	-	-	-
Drain Sump L-43	SCP055	5/29/2013	ISOPHORONE	ug/l	0.5	< 0.5		-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	ISOPHORONE	ug/l	0.5	< 0.5		-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	ISOPHORONE	ug/l	0.5	< 0.5		0.5	< 0.5	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	ISOPHORONE	ug/l	0.5	< 0.5		-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	ISOPHORONE	ug/l	0.5	< 0.5		0.5	< 0.5	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	ISOPHORONE	ug/l	0.5	< 0.5		0.5	< 0.5	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	ISOPHORONE	ug/l	0.5	< 0.5		0.5	< 0.5	-	-
Nickel South Drain Sump	SCP059	5/30/2013	ISOPHORONE	ug/l	0.5	< 0.5		0.5	< 0.5	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	ISOPHORONE	ug/l	0.5	< 0.5		-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	ISOPHORONE	ug/l	0.5	< 0.5		-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	ISOPHORONE	ug/l	0.5	< 0.5		0.5	< 0.5	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	ISOPHORONE	ug/l	0.5	< 0.5		0.5	< 0.5	-	-
Well MW-10-89	SCP046	5/30/2013	ISOPHORONE	ug/l	0.5	< 0.5		-	-	-	-

Water Quality Monitoring for SJR Seepage Management

Well MW-10-90	SCP050	5/29/2013	ISOPHORONE	ug/l	0.5	<0.5		0.5	<0.5	-	-	
Well MW-10-94	SCP052	5/29/2013	ISOPHORONE	ug/l	0.5	<0.5		0.5	<0.5	-	-	
Well MW-11-149	SCP065	5/30/2013	ISOPHORONE	ug/l	0.5	<0.5		0.5	<0.5	-	-	
Well MW-11-150	SCP045	5/28/2013	ISOPHORONE	ug/l	0.5	<0.5		0.5	<0.5	-	-	
Well MW-12-165	SCP067	5/29/2013	ISOPHORONE	ug/l	0.5	<0.5		0.5	<0.5	-	-	
Well MW-12-169	SCP066	5/29/2013	ISOPHORONE	ug/l	0.5	<0.5		0.5	<0.5	-	-	
Well MW-12-170	SCP054	5/29/2013	ISOPHORONE	ug/l	0.5	<0.5		-	-	-	-	
Well MW-12-172	SCP056	5/29/2013	ISOPHORONE	ug/l	0.5	<0.5		0.5	<0.5	-	-	
Well MW-12-174	SCP051	5/29/2013	ISOPHORONE	ug/l	0.5	<0.5		0.5	<0.5	-	-	
Well MW-12-177	SCP068	5/29/2013	ISOPHORONE	ug/l	0.5	<0.5		0.5	<0.5	-	-	
Well MW-12-183	SCP043	5/28/2013	ISOPHORONE	ug/l	0.5	<0.5		0.5	<0.5	-	-	
Well MW-12-185	SCP040	5/28/2013	ISOPHORONE	ug/l	0.5	<0.5		0.5	<0.5	-	-	
Well MW-12-188	SCP039	5/28/2013	ISOPHORONE	ug/l	0.5	<0.5		-	-	-	-	
Well MW-12-191	SCP037	5/28/2013	ISOPHORONE	ug/l	0.5	<0.5		-	-	-	-	
Columbia Canal at Eastside Drive	SCP037	5/28/2013	ISOPROTURON	ug/l	0.1	<0.1		-	-	-	-	
Drain Sump L-36	SCP053	5/29/2013	ISOPROTURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Drain Sump L-43	SCP055	5/29/2013	ISOPROTURON	ug/l	0.1	<0.1		-	-	-	-	
Drain Sump L-49	SCP058	5/29/2013	ISOPROTURON	ug/l	0.1	<0.1		-	-	-	-	
Drain Sump L-50	SCP057	5/29/2013	ISOPROTURON	ug/l	0.1	<0.1		-	-	-	-	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	ISOPROTURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	ISOPROTURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	ISOPROTURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	ISOPROTURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Nickel South Drain Sump	SCP059	5/30/2013	ISOPROTURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Poso Canal at Valeria Ave	SCP042	5/28/2013	ISOPROTURON	ug/l	0.1	<0.1		-	-	-	-	
Riverside Canal at Willis Road	SCP063	5/30/2013	ISOPROTURON	ug/l	0.1	<0.1		-	-	-	-	
San Joaquin River at Sack Dam	SCP041	5/28/2013	ISOPROTURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Sand Slough at El Nido Road	SCP047	5/29/2013	ISOPROTURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Well MW-10-89	SCP046	5/30/2013	ISOPROTURON	ug/l	0.1	<0.1		-	-	-	-	
Well MW-10-90	SCP050	5/29/2013	ISOPROTURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Well MW-10-94	SCP052	5/29/2013	ISOPROTURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Well MW-11-149	SCP065	5/30/2013	ISOPROTURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Well MW-11-150	SCP045	5/28/2013	ISOPROTURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Well MW-12-165	SCP067	5/29/2013	ISOPROTURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Well MW-12-169	SCP066	5/29/2013	ISOPROTURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Well MW-12-170	SCP054	5/29/2013	ISOPROTURON	ug/l	0.1	<0.1		-	-	-	-	
Well MW-12-172	SCP056	5/29/2013	ISOPROTURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Well MW-12-174	SCP051	5/29/2013	ISOPROTURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Well MW-12-177	SCP068	5/29/2013	ISOPROTURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Well MW-12-183	SCP043	5/28/2013	ISOPROTURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Well MW-12-185	SCP040	5/28/2013	ISOPROTURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Well MW-12-190	SCP038	5/28/2013	ISOPROTURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Well MW-12-191	SCP039	5/28/2013	ISOPROTURON	ug/l	0.1	<0.1		-	-	-	-	
Columbia Canal at Eastside Drive	SCP037	5/28/2013	LINURON	ug/l	0.1	<0.1		-	-	-	-	
Drain Sump L-36	SCP053	5/29/2013	LINURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Drain Sump L-43	SCP055	5/29/2013	LINURON	ug/l	0.1	<0.1		-	-	-	-	
Drain Sump L-49	SCP058	5/29/2013	LINURON	ug/l	0.1	<0.1		-	-	-	-	
Drain Sump L-50	SCP057	5/29/2013	LINURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	LINURON	ug/l	0.1	<0.1		-	-	-	-	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	LINURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	LINURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	LINURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Nickel South Drain Sump	SCP059	5/30/2013	LINURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Poso Canal at Valeria Ave	SCP042	5/28/2013	LINURON	ug/l	0.1	<0.1		-	-	-	-	
Riverside Canal at Willis Road	SCP063	5/30/2013	LINURON	ug/l	0.1	<0.1		-	-	-	-	
San Joaquin River at Sack Dam	SCP041	5/28/2013	LINURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Sand Slough at El Nido Road	SCP047	5/29/2013	LINURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Well MW-10-89	SCP046	5/30/2013	LINURON	ug/l	0.1	<0.1		-	-	-	-	
Well MW-10-90	SCP050	5/29/2013	LINURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Well MW-10-94	SCP052	5/29/2013	LINURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Well MW-10-98	SCP052	5/29/2013	LINURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Well MW-10-100	SCP052	5/29/2013	LINURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Well MW-10-104	SCP052	5/29/2013	LINURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Well MW-10-106	SCP052	5/29/2013	LINURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Well MW-10-109	SCP052	5/29/2013	LINURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Well MW-10-114	SCP052	5/30/2013	LINURON	ug/l	0.1	<0.1		0.1	<0.1	-	-	
Columbia Canal at Eastside Drive	SCP037	5/28/2013	MALATHION	ug/l	0.03	<0.03		-	-	0.1	NRWQC - IM	
Columbia Canal at Eastside Drive	SCP037	5/28/2013	MALATHION	ug/l	0.1	<0.1		-	-	0.1	NRWQC - IM	
Drain Sump L-36	SCP053	5/29/2013	MALATHION	ug/l	0.03	<0.03		0.1	<0.1	0.1	NRWQC - IM	
Drain Sump L-36	SCP053	5/29/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM	
Drain Sump L-43	SCP055	5/29/2013	MALATHION	ug/l	0.03	<0.03		-	-	0.1	NRWQC - IM	
Drain Sump L-43	SCP055	5/29/2013	MALATHION	ug/l	0.1	<0.1		-	-	0.1	NRWQC - IM	
Drain Sump L-50	SCP057	5/29/2013	MALATHION	ug/l	0.03	<0.03		0.1	<0.1	0.1	NRWQC - IM	
Drain Sump L-50	SCP057	5/29/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	MALATHION	ug/l	0.03	<0.03		-	-	0.1	NRWQC - IM	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	MALATHION	ug/l	0.1	<0.1		-	-	0.1	NRWQC - IM	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	MALATHION	ug/l	0.03	<0.03		0.1	<0.1	0.1	NRWQC - IM	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	MALATHION	ug/l	0.03	<0.03		0.1	<0.1	0.1	NRWQC - IM	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	MALATHION	ug/l	0.03	<0.03		0.1	<0.1	0.1	NRWQC - IM	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM	
Nickel South Drain Sump	SCP059	5/30/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM	
Nickel South Drain Sump	SCP059	5/30/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM	
Poso Canal at Valeria Ave	SCP042	5/28/2013	MALATHION	ug/l	0.03	<0.03		-	-	0.1	NRWQC - IM	
Poso Canal at Valeria Ave	SCP042	5/28/2013	MALATHION	ug/l	0.1	<0.1		-	-	0.1	NRWQC - IM	
Riverside Canal at Willis Road	SCP063	5/30/2013	MALATHION	ug/l	0.1	<0.1		-	-	0.1	NRWQC - IM	
Riverside Canal at Willis Road	SCP063	5/30/2013	MALATHION	ug/l	0.1	<0.1		-	-	0.1	NRWQC - IM	
San Joaquin River at Sack Dam	SCP041	5/28/2013	MALATHION	ug/l	0.03	<0.03		0.1	<0.1	0.1	NRWQC - IM	
San Joaquin River at Sack Dam	SCP041	5/28/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM	
Sand Slough at El Nido Road	SCP047	5/29/2013	MALATHION	ug/l	0.03	<0.03		0.1	<0.1	0.1	NRWQC - IM	
Sand Slough at El Nido Road	SCP047	5/29/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM	
Well MW-10-89	SCP046	5/30/2013	MALATHION	ug/l	0.1	<0.1		-	-	0.1	NRWQC - IM	
Well MW-10-90	SCP050	5/29/2013	MALATHION	ug/l	0.03	<0.03		0.1	<0.1	0.1	NRWQC - IM	
Well MW-10-90	SCP050	5/29/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM	
Well MW-10-94	SCP052	5/29/2013	MALATHION	ug/l	0.03	<0.03		0.1	<0.1	0.1	NRWQC - IM	
Well MW-10-94	SCP052	5/29/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM	
Well MW-10-94	SCP052	5/29/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM	
Well MW-11-149	SCP065	5/30/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM	

Water Quality Monitoring for SJR Seepage Management

Well MW-11-149	SCP065	5/30/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM
Well MW-11-150	SCP045	5/28/2013	MALATHION	ug/l	0.03	<0.03		0.1	<0.1	0.1	NRWQC - IM
Well MW-11-150	SCP045	5/28/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM
Well MW-12-165	SCP067	5/29/2013	MALATHION	ug/l	0.03	<0.03		0.1	<0.1	0.1	NRWQC - IM
Well MW-12-165	SCP067	5/29/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM
Well MW-12-169	SCP066	5/29/2013	MALATHION	ug/l	0.03	<0.03		0.1	<0.1	0.1	NRWQC - IM
Well MW-12-169	SCP066	5/29/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM
Well MW-12-170	SCP054	5/29/2013	MALATHION	ug/l	0.03	<0.03		-	-	0.1	NRWQC - IM
Well MW-12-172	SCP056	5/29/2013	MALATHION	ug/l	0.03	<0.03		0.1	<0.1	0.1	NRWQC - IM
Well MW-12-172	SCP056	5/29/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM
Well MW-12-174	SCP051	5/29/2013	MALATHION	ug/l	0.03	<0.03		0.1	<0.1	0.1	NRWQC - IM
Well MW-12-174	SCP051	5/29/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM
Well MW-12-177	SCP068	5/29/2013	MALATHION	ug/l	0.03	<0.03		0.1	<0.1	0.1	NRWQC - IM
Well MW-12-177	SCP068	5/29/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM
Well MW-12-183	SCP043	5/28/2013	MALATHION	ug/l	0.03	<0.03		0.1	<0.1	0.1	NRWQC - IM
Well MW-12-183	SCP043	5/28/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM
Well MW-12-185	SCP040	5/28/2013	MALATHION	ug/l	0.03	<0.03		0.1	<0.1	0.1	NRWQC - IM
Well MW-12-185	SCP040	5/28/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM
Well MW-12-190	SCP038	5/28/2013	MALATHION	ug/l	0.03	<0.03		0.1	<0.1	0.1	NRWQC - IM
Well MW-12-190	SCP038	5/28/2013	MALATHION	ug/l	0.1	<0.1		0.1	<0.1	0.1	NRWQC - IM
Well MW-12-191	SCP039	5/28/2013	MALATHION	ug/l	0.03	<0.03		-	-	0.1	NRWQC - IM
Well MW-12-191	SCP039	5/28/2013	MALATHION	ug/l	0.1	<0.1		-	-	0.1	NRWQC - IM
Columbian Canal at Eastside Drive	SCP037	5/28/2013	MERPHOS	ug/l	0.1	<0.1		-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	MERPHOS	ug/l	0.1	<0.1		0.1	<0.1	-	-
Drain Sump L-43	SCP055	5/29/2013	MERPHOS	ug/l	0.1	<0.1		-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	MERPHOS	ug/l	0.1	<0.1		-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	MERPHOS	ug/l	0.1	<0.1		0.1	<0.1	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	MERPHOS	ug/l	0.1	<0.1		-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	MERPHOS	ug/l	0.1	<0.1		0.1	<0.1	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	MERPHOS	ug/l	0.1	<0.1		0.1	<0.1	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	MERPHOS	ug/l	0.1	<0.1		0.1	<0.1	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	MERPHOS	ug/l	0.1	<0.1		0.1	<0.1	-	-
Nickel South Drain Sump	SCP059	5/30/2013	MERPHOS	ug/l	0.1	<0.1		0.1	<0.1	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	MERPHOS	ug/l	0.1	<0.1		-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	MERPHOS	ug/l	0.1	<0.1		-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	MERPHOS	ug/l	0.1	<0.1		0.1	<0.1	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	METAZACHLOR	ug/l	0.1	<0.1		-	-	-	-
Sand Slough at El Nido Road	SCP053	5/29/2013	METAZACHLOR	ug/l	0.1	<0.1		0.1	<0.1	-	-
Drain Sump L-36	SCP053	5/29/2013	METAZACHLOR	ug/l	0.1	<0.1		-	-	-	-
Drain Sump L-43	SCP055	5/29/2013	METAZACHLOR	ug/l	0.1	<0.1		-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	METAZACHLOR	ug/l	0.1	<0.1		-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	METAZACHLOR	ug/l	0.1	<0.1		0.1	<0.1	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	METAZACHLOR	ug/l	0.1	<0.1		-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	METAZACHLOR	ug/l	0.1	<0.1		0.1	<0.1	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	METAZACHLOR	ug/l	0.1	<0.1		0.1	<0.1	-	-
Nickel South Drain Sump	SCP059	5/30/2013	METAZACHLOR	ug/l	0.1	<0.1		0.1	<0.1	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	METAZACHLOR	ug/l	0.1	<0.1		-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	METAZACHLOR	ug/l	0.1	<0.1		-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	METAZACHLOR	ug/l	0.1	<0.1		0.1	<0.1	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	METAZACHLOR	ug/l	0.1	<0.1		0.1	<0.1	-	-
Well MW-10-89	SCP046	5/30/2013	METAZACHLOR	ug/l	0.1	<0.1		-	-	-	-
Well MW-10-90	SCP050	5/29/2013	METAZACHLOR	ug/l	0.1	<0.1		0.1	<0.1	-	-
Well MW-10-94	SCP052	5/29/2013	METAZACHLOR	ug/l	0.1	<0.1		0.1	<0.1	-	-
Well MW-11-149	SCP065	5/30/2013	METAZACHLOR	ug/l	0.1	<0.1		0.1	<0.1	-	-
Well MW-11-150	SCP045	5/28/2013	METAZACHLOR	ug/l	0.1	<0.1		0.1	<0.1	-	-
Well MW-12-165	SCP067	5/29/2013	METAZACHLOR	ug/l	0.1	<0.1		0.1	<0.1	-	-
Well MW-12-169	SCP066	5/29/2013	METAZACHLOR	ug/l	0.1	<0.1		0.1	<0.1	-	-
Well MW-12-170	SCP054	5/29/2013	METAZACHLOR	ug/l	0.1	<0.1		0.1	<0.1	-	-
Well MW-12-172	SCP056	5/29/2013	METAZACHLOR	ug/l	0.1	<0.1		0.1	<0.1	-	-
Well MW-12-174	SCP051	5/29/2013	METAZACHLOR	ug/l	0.1	<0.1		0.1	<0.1	-	-
Well MW-12-177	SCP068	5/29/2013	METAZACHLOR	ug/l	0.1	<0.1		0.1	<0.1	-	-
Well MW-12-183	SCP043	5/28/2013	METAZACHLOR	ug/l	0.1	<0.1		0.1	<0.1	-	-
Well MW-12-185	SCP040	5/28/2013	METAZACHLOR	ug/l	0.1	<0.1		0.1	<0.1	-	-
Well MW-12-189	SCP038	5/28/2013	METAZACHLOR	ug/l	0.1	<0.1		0.1	<0.1	-	-
Well MW-12-191	SCP039	5/28/2013	METAZACHLOR	ug/l	0.1	<0.1		-	-	-	-
Columbian Canal at Eastside Drive	SCP037	5/28/2013	METHOXYCHLOR	ug/l	0.01	<0.01		-	-	0.03	NRWQC - IM
Columbian Canal at Eastside Drive	SCP037	5/28/2013	METHOXYCHLOR	ug/l	0.1	<0.1		-	-	0.03	NRWQC - IM
Drain Sump L-36	SCP053	5/29/2013	METHOXYCHLOR	ug/l	0.01	<0.01		0.01	<0.01	0.03	NRWQC - IM
Drain Sump L-36	SCP053	5/29/2013	METHOXYCHLOR	ug/l	0.1	<0.1		0.1	<0.1	0.03	NRWQC - IM
Drain Sump L-43	SCP055	5/29/2013	METHOXYCHLOR	ug/l	0.01	<0.01		-	-	0.03	NRWQC - IM
Drain Sump L-49	SCP055	5/29/2013	METHOXYCHLOR	ug/l	0.1	<0.1		-	-	0.03	NRWQC - IM
Drain Sump L-49	SCP058	5/29/2013	METHOXYCHLOR	ug/l	0.01	<0.01		-	-	0.03	NRWQC - IM
Drain Sump L-50	SCP057	5/29/2013	METHOXYCHLOR	ug/l	0.01	<0.01		-	-	0.03	NRWQC - IM
Drain Sump L-50	SCP057	5/29/2013	METHOXYCHLOR	ug/l	0.1	<0.1		0.01	<0.01	0.03	NRWQC - IM
Drain Sump L-50	SCP057	5/29/2013	METHOXYCHLOR	ug/l	0.1	<0.1		0.1	<0.1	0.03	NRWQC - IM
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	METHOXYCHLOR	ug/l	0.01	<0.01		-	-	0.03	NRWQC - IM
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	METHOXYCHLOR	ug/l	0.1	<0.1		-	-	0.03	NRWQC - IM
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	METHOXYCHLOR	ug/l	0.01	<0.01		0.01	<0.01	0.03	NRWQC - IM
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	METHOXYCHLOR	ug/l	0.1	<0.1		0.1	<0.1	0.03	NRWQC - IM
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	METHOXYCHLOR	ug/l	0.01	<0.01		0.01	<0.01	0.03	NRWQC - IM
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	METHOXYCHLOR	ug/l	0.1	<0.1		0.1	<0.1	0.03	NRWQC - IM
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	METHOXYCHLOR	ug/l	0.01	<0.01		0.01	<0.01	0.03	NRWQC - IM
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	METHOXYCHLOR	ug/l	0.1	<0.1		0.1	<0.1	0.03	NRWQC - IM
Nickel South Drain Sump	SCP059	5/30/2013	METHOXYCHLOR	ug/l	0.01	<0.01		0.01	<0.01	0.03	NRWQC - IM
Poso Canal at Valeria Ave	SCP042	5/28/2013	METHOXYCHLOR	ug/l	0.01	<0.01		-	-	0.03	NRWQC - IM
Poso Canal at Valeria Ave	SCP042	5/28/2013	METHOXYCHLOR	ug/l	0.1	<0.1		-	-	0.03	NRWQC - IM
Riverside Canal at Willis Road	SCP063	5/30/2013	METHOXYCHLOR	ug/l	0.01	<0.01		-	-	0.03	NRWQC - IM
Riverside Canal at Willis Road	SCP063	5/30/2013	METHOXYCHLOR	ug/l	0.1	<0.1		-	-	0.03	NRWQC - IM
San Joaquin River at Sack Dam	SCP041	5/28/2013	METHOXYCHLOR	ug/l	0.01	<0.01		0.01	<0.01	0.03	NRWQC - IM
San Joaquin River at Sack Dam	SCP041	5/28/2013	METHOXYCHLOR	ug/l	0.1	<0.1		0.1	<0.1	0.03	NRWQC - IM

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Sand Slough at El Nido Road	SCP047	5/29/2013	METHOXYCHLOR	ug/l	0.01	< 0.01		0.01	< 0.01	0.03	NRWQC - IM
Sand Slough at El Nido Road	SCP047	5/29/2013	METHOXYCHLOR	ug/l	0.1	< 0.1		0.1	< 0.1	0.03	NRWQC - IM
Well MW-10-89	SCP046	5/30/2013	METHOXYCHLOR	ug/l	0.01	< 0.01		-	-	0.03	NRWQC - IM
Well MW-10-89	SCP046	5/30/2013	METHOXYCHLOR	ug/l	0.1	< 0.1		-	-	0.03	NRWQC - IM
Well MW-10-90	SCP050	5/29/2013	METHOXYCHLOR	ug/l	0.1	< 0.1	L	0.1	< 0.1	0.03	NRWQC - IM
Well MW-10-90	SCP050	5/29/2013	METHOXYCHLOR	ug/l	0.01	< 0.01		0.01	< 0.01	0.03	NRWQC - IM
Well MW-10-90	SCP050	5/29/2013	METHOXYCHLOR	ug/l	0.01	< 0.01		0.01	< 0.01	0.03	NRWQC - IM
Well MW-10-94	SCP052	5/29/2013	METHOXYCHLOR	ug/l	0.1	< 0.1		0.1	< 0.1	0.03	NRWQC - IM
Well MW-10-94	SCP052	5/29/2013	METHOXYCHLOR	ug/l	0.1	< 0.1		0.1	< 0.1	0.03	NRWQC - IM
Well MW-11-149	SCP065	5/29/2013	METHOXYCHLOR	ug/l	0.1	< 0.1	L	0.1	< 0.1	0.03	NRWQC - IM
Well MW-11-149	SCP065	5/30/2013	METHOXYCHLOR	ug/l	0.01	< 0.01		0.01	< 0.01	0.03	NRWQC - IM
Well MW-11-150	SCP045	5/28/2013	METHOXYCHLOR	ug/l	0.1	< 0.1		0.01	< 0.01	0.03	NRWQC - IM
Well MW-11-150	SCP045	5/28/2013	METHOXYCHLOR	ug/l	0.5	< 0.5		0.1	< 0.1	0.03	NRWQC - IM
Well MW-12-165	SCP067	5/29/2013	METHOXYCHLOR	ug/l	0.01	< 0.01		0.01	< 0.01	0.03	NRWQC - IM
Well MW-12-165	SCP067	5/29/2013	METHOXYCHLOR	ug/l	0.1	< 0.1		0.1	< 0.1	0.03	NRWQC - IM
Well MW-12-169	SCP066	5/29/2013	METHOXYCHLOR	ug/l	0.01	< 0.01		0.01	< 0.01	0.03	NRWQC - IM
Well MW-12-169	SCP066	5/29/2013	METHOXYCHLOR	ug/l	0.1	< 0.1		0.1	< 0.1	0.03	NRWQC - IM
Well MW-12-170	SCP054	5/29/2013	METHOXYCHLOR	ug/l	0.01	< 0.01		-	-	0.03	NRWQC - IM
Well MW-12-170	SCP054	5/29/2013	METHOXYCHLOR	ug/l	0.1	< 0.1		-	-	0.03	NRWQC - IM
Well MW-12-172	SCP056	5/29/2013	METHOXYCHLOR	ug/l	0.01	< 0.01		0.01	< 0.01	0.03	NRWQC - IM
Well MW-12-172	SCP056	5/29/2013	METHOXYCHLOR	ug/l	0.1	< 0.1		0.1	< 0.1	0.03	NRWQC - IM
Well MW-12-174	SCP051	5/29/2013	METHOXYCHLOR	ug/l	0.01	< 0.01		0.01	< 0.01	0.03	NRWQC - IM
Well MW-12-174	SCP051	5/29/2013	METHOXYCHLOR	ug/l	0.1	< 0.1		0.1	< 0.1	0.03	NRWQC - IM
Well MW-12-177	SCP068	5/29/2013	METHOXYCHLOR	ug/l	0.01	< 0.01		0.01	< 0.01	0.03	NRWQC - IM
Well MW-12-177	SCP068	5/29/2013	METHOXYCHLOR	ug/l	0.1	< 0.1		0.1	< 0.1	0.03	NRWQC - IM
Well MW-12-183	SCP043	5/28/2013	METHOXYCHLOR	ug/l	0.01	< 0.01		0.01	< 0.01	0.03	NRWQC - IM
Well MW-12-183	SCP043	5/28/2013	METHOXYCHLOR	ug/l	0.1	< 0.1		0.1	< 0.1	0.03	NRWQC - IM
Well MW-12-185	SCP040	5/28/2013	METHOXYCHLOR	ug/l	0.01	< 0.01		0.01	< 0.01	0.03	NRWQC - IM
Well MW-12-185	SCP040	5/28/2013	METHOXYCHLOR	ug/l	0.1	< 0.1		0.1	< 0.1	0.03	NRWQC - IM
Well MW-12-185	SCP040	5/28/2013	METHOXYCHLOR	ug/l	0.01	< 0.01		0.01	< 0.01	0.03	NRWQC - IM
Well MW-12-190	SCP038	5/28/2013	METHOXYCHLOR	ug/l	0.01	< 0.01		0.01	< 0.01	0.03	NRWQC - IM
Well MW-12-190	SCP038	5/28/2013	METHOXYCHLOR	ug/l	0.1	< 0.1		0.1	< 0.1	0.03	NRWQC - IM
Well MW-12-191	SCP039	5/28/2013	METHOXYCHLOR	ug/l	0.1	< 0.1	L	-	-	0.03	NRWQC - IM
Well MW-12-191	SCP039	5/28/2013	METHOXYCHLOR	ug/l	0.01	< 0.01		-	-	0.03	NRWQC - IM
Columbia Canal at Eastside Drive	SCP037	5/28/2013	METOLACHLOR	ug/l	0.05	< 0.05		-	-	100	NRWQC - IM
Drain Sump L-36	SCP053	5/29/2013	METOLACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	100	NRWQC - IM
Drain Sump L-43	SCP055	5/29/2013	METOLACHLOR	ug/l	0.05	< 0.05		-	-	100	NRWQC - IM
Drain Sump L-49	SCP058	5/29/2013	METOLACHLOR	ug/l	0.05	< 0.05		-	-	100	NRWQC - IM
Drain Sump L-50	SCP057	5/29/2013	METOLACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	100	NRWQC - IM
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	METOLACHLOR	ug/l	0.05	< 0.05		-	-	100	NRWQC - IM
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	METOLACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	100	NRWQC - IM
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	METOLACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	100	NRWQC - IM
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	METOLACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	100	NRWQC - IM
Nickel South Drain Sump	SCP059	5/30/2013	METOLACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	100	NRWQC - IM
Poss Canal at Valeria Ave	SCP042	5/28/2013	METOLACHLOR	ug/l	0.05	< 0.05		-	-	100	NRWQC - IM
Riverside Canal at Willis Road	SCP063	5/30/2013	METOLACHLOR	ug/l	0.05	< 0.05		-	-	100	NRWQC - IM
San Joaquin River at Sack Dam	SCP041	5/28/2013	METOLACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	100	NRWQC - IM
Sand Slough at El Nido Road	SCP047	5/29/2013	METOLACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	100	NRWQC - IM
Well MW-10-89	SCP046	5/30/2013	METOLACHLOR	ug/l	0.05	< 0.05		-	-	100	NRWQC - IM
Well MW-10-90	SCP050	5/29/2013	METOLACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	100	NRWQC - IM
Well MW-10-90	SCP050	5/29/2013	METOLACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	100	NRWQC - IM
Well MW-10-94	SCP052	5/29/2013	METOLACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	100	NRWQC - IM
Well MW-11-149	SCP065	5/30/2013	METOLACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	100	NRWQC - IM
Well MW-11-150	SCP065	5/30/2013	METOLACHLOR	ug/l	0.05	< 0.05		-	-	100	NRWQC - IM
Well MW-12-165	SCP067	5/29/2013	METOLACHLOR	ug/l	0.05	< 0.05		-	-	100	NRWQC - IM
Well MW-12-170	SCP054	5/29/2013	METOLACHLOR	ug/l	0.05	< 0.05		-	-	100	NRWQC - IM
Well MW-12-172	SCP056	5/29/2013	METOLACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	100	NRWQC - IM
Well MW-12-174	SCP051	5/29/2013	METOLACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	100	NRWQC - IM
Well MW-12-177	SCP068	5/29/2013	METOLACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	100	NRWQC - IM
Well MW-12-183	SCP043	5/28/2013	METOLACHLOR	ug/l	0.05	< 0.05		-	-	100	NRWQC - IM
Well MW-12-190	SCP038	5/28/2013	METOLACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	100	NRWQC - IM
Well MW-12-191	SCP039	5/28/2013	METOLACHLOR	ug/l	0.05	< 0.05		-	-	100	NRWQC - IM
Columbia Canal at Eastside Drive	SCP037	5/28/2013	METOXURON	ug/l	0.1	< 0.1		-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	METOXURON	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Drain Sump L-43	SCP055	5/29/2013	METOXURON	ug/l	0.1	< 0.1		-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	METOXURON	ug/l	0.1	< 0.1		-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	METOXURON	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	METOXURON	ug/l	0.1	< 0.1		-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	METOXURON	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	METOXURON	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	METOXURON	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel South Drain Sump	SCP059	5/30/2013	METOXURON	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Poss Canal at Valeria Ave	SCP042	5/28/2013	METOXURON	ug/l	0.1	< 0.1		-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	METOXURON	ug/l	0.1	< 0.1		-	-	100	NRWQC - IM
San Joaquin River at Sack Dam	SCP041	5/28/2013	METOXURON	ug/l	0.05	< 0.05		0.05	< 0.05	100	NRWQC - IM
Sand Slough at El Nido Road	SCP047	5/29/2013	METOXURON	ug/l	0.05	< 0.05		0.05	< 0.05	100	NRWQC - IM
Well MW-10-89	SCP046	5/29/2013	METOXURON	ug/l	0.05	< 0.05		-	-	100	NRWQC - IM
Well MW-10-90	SCP050	5/29/2013	METOXURON	ug/l	0.05	< 0.05		0.05	< 0.05	100	NRWQC - IM
Well MW-10-94	SCP052	5/29/2013	METOXURON	ug/l	0.05	< 0.05		0.05	< 0.05	100	NRWQC - IM

Water Quality Monitoring for SJR Seepage Management

Well MW-11-149	SCP065	5/30/2013	METRIBUZIN	ug/l	0.05	<0.05		0.05	<0.05	100	NRWQC - IM
Well MW-11-150	SCP045	5/28/2013	METRIBUZIN	ug/l	0.05	<0.05		0.05	<0.05	100	NRWQC - IM
Well MW-12-165	SCP067	5/29/2013	METRIBUZIN	ug/l	0.05	<0.05		0.05	<0.05	100	NRWQC - IM
Well MW-12-169	SCP066	5/29/2013	METRIBUZIN	ug/l	0.05	<0.05		0.05	<0.05	100	NRWQC - IM
Well MW-12-170	SCP054	5/29/2013	METRIBUZIN	ug/l	0.05	<0.05		-	-	100	NRWQC - IM
Well MW-12-172	SCP056	5/29/2013	METRIBUZIN	ug/l	0.05	<0.05		0.05	<0.05	100	NRWQC - IM
Well MW-12-174	SCP051	5/29/2013	METRIBUZIN	ug/l	0.05	<0.05		0.05	<0.05	100	NRWQC - IM
Well MW-12-177	SCP068	5/29/2013	METRIBUZIN	ug/l	0.05	<0.05		0.05	<0.05	100	NRWQC - IM
Well MW-12-183	SCP043	5/28/2013	METRIBUZIN	ug/l	0.05	<0.05		0.05	<0.05	100	NRWQC - IM
Well MW-12-185	SCP040	5/28/2013	METRIBUZIN	ug/l	0.05	<0.05		0.05	<0.05	100	NRWQC - IM
Well MW-12-190	SCP038	5/28/2013	METRIBUZIN	ug/l	0.05	<0.05		0.05	<0.05	100	NRWQC - IM
Well MW-12-191	SCP039	5/28/2013	METRIBUZIN	ug/l	0.05	<0.05		0.05	<0.05	100	NRWQC - IM
Columbian Canal at Eastside Drive	SCP037	5/28/2013	MEVINPHOS	ug/l	0.7	<0.7		-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	MEVINPHOS	ug/l	0.7	<0.7		0.7	<0.7	-	-
Drain Sump L-43	SCP055	5/29/2013	MEVINPHOS	ug/l	0.7	<0.7		-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	MEVINPHOS	ug/l	0.7	<0.7		-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	MEVINPHOS	ug/l	0.7	<0.7		0.7	<0.7	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	MEVINPHOS	ug/l	0.7	<0.7		-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	MEVINPHOS	ug/l	0.7	<0.7		0.7	<0.7	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	MEVINPHOS	ug/l	0.7	<0.7		0.7	<0.7	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	MEVINPHOS	ug/l	0.7	<0.7		0.7	<0.7	-	-
Nickel South Drain Sump	SCP059	5/30/2013	MEVINPHOS	ug/l	0.7	<0.7		0.7	<0.7	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	MEVINPHOS	ug/l	0.7	<0.7		-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	MEVINPHOS	ug/l	0.7	<0.7		-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	MEVINPHOS	ug/l	0.7	<0.7		0.7	<0.7	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	MEVINPHOS	ug/l	0.7	<0.7		-	-	-	-
Well MW-10-89	SCP046	5/30/2013	MEVINPHOS	ug/l	0.7	<0.7		-	-	-	-
Well MW-10-90	SCP050	5/29/2013	MEVINPHOS	ug/l	0.7	<0.7		0.7	<0.7	-	-
Well MW-10-94	SCP052	5/29/2013	MEVINPHOS	ug/l	0.7	<0.7		0.7	<0.7	-	-
Well MW-11-149	SCP065	5/30/2013	MEVINPHOS	ug/l	0.7	<0.7		0.7	<0.7	-	-
Well MW-11-150	SCP045	5/28/2013	MEVINPHOS	ug/l	0.7	<0.7		0.7	<0.7	-	-
Well MW-12-165	SCP067	5/29/2013	MEVINPHOS	ug/l	0.7	<0.7		0.7	<0.7	-	-
Well MW-12-169	SCP066	5/29/2013	MEVINPHOS	ug/l	0.7	<0.7		0.7	<0.7	-	-
Well MW-12-172	SCP068	5/29/2013	MEVINPHOS	ug/l	0.7	<0.7		0.7	<0.7	-	-
Well MW-12-183	SCP043	5/28/2013	MEVINPHOS	ug/l	0.7	<0.7		0.7	<0.7	-	-
Well MW-12-185	SCP040	5/28/2013	MEVINPHOS	ug/l	0.7	<0.7		0.7	<0.7	-	-
Well MW-12-190	SCP038	5/28/2013	MEVINPHOS	ug/l	0.7	<0.7		0.7	<0.7	-	-
Well MW-12-191	SCP039	5/28/2013	MEVINPHOS	ug/l	0.7	<0.7		-	-	-	-
Columbian Canal at Eastside Drive	SCP037	5/28/2013	MOLINATE	ug/l	0.1	<0.1		-	-	13	NRWQC - IM
Drain Sump L-36	SCP053	5/29/2013	MOLINATE	ug/l	0.1	<0.1		0.1	<0.1	13	NRWQC - IM
Drain Sump L-43	SCP055	5/29/2013	MOLINATE	ug/l	0.1	<0.1		-	-	13	NRWQC - IM
Drain Sump L-49	SCP058	5/29/2013	MOLINATE	ug/l	0.1	<0.1		-	-	13	NRWQC - IM
Drain Sump L-50	SCP057	5/29/2013	MOLINATE	ug/l	0.1	<0.1		0.1	<0.1	13	NRWQC - IM
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	MOLINATE	ug/l	0.1	<0.1		-	-	13	NRWQC - IM
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	MOLINATE	ug/l	0.1	<0.1		0.1	<0.1	13	NRWQC - IM
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	MOLINATE	ug/l	0.1	<0.1		0.1	<0.1	13	NRWQC - IM
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	MOLINATE	ug/l	0.1	<0.1		0.1	<0.1	13	NRWQC - IM
Nickel South Drain Sump	SCP059	5/30/2013	MOLINATE	ug/l	0.1	<0.1		0.1	<0.1	13	NRWQC - IM
Poso Canal at Valeria Ave	SCP042	5/28/2013	MOLINATE	ug/l	0.1	<0.1		-	-	13	NRWQC - IM
Riverside Canal at Willis Road	SCP063	5/30/2013	MOLINATE	ug/l	0.1	<0.1		-	-	13	NRWQC - IM
San Joaquin River at Sack Dam	SCP041	5/28/2013	MOLINATE	ug/l	0.1	<0.1		0.1	<0.1	13	NRWQC - IM
Sand Slough at El Nido Road	SCP047	5/29/2013	MOLINATE	ug/l	0.1	<0.1		0.1	<0.1	13	NRWQC - IM
Well MW-10-89	SCP046	5/28/2013	MOLINATE	ug/l	0.1	<0.1		-	-	13	NRWQC - IM
Well MW-10-90	SCP046	5/30/2013	MOLINATE	ug/l	0.1	<0.1		0.1	<0.1	13	NRWQC - IM
Well MW-10-94	SCP067	5/29/2013	MOLINATE	ug/l	0.1	<0.1		0.1	<0.1	13	NRWQC - IM
Well MW-11-149	SCP052	5/29/2013	MOLINATE	ug/l	0.1	<0.1		0.1	<0.1	13	NRWQC - IM
Well MW-11-150	SCP045	5/28/2013	MOLINATE	ug/l	0.1	<0.1		0.1	<0.1	13	NRWQC - IM
Well MW-12-165	SCP067	5/29/2013	MOLINATE	ug/l	0.1	<0.1		0.1	<0.1	13	NRWQC - IM
Well MW-12-170	SCP066	5/29/2013	MOLINATE	ug/l	0.1	<0.1		0.1	<0.1	13	NRWQC - IM
Well MW-12-172	SCP056	5/29/2013	MOLINATE	ug/l	0.1	<0.1		0.1	<0.1	13	NRWQC - IM
Well MW-12-174	SCP051	5/29/2013	MOLINATE	ug/l	0.1	<0.1		-	-	13	NRWQC - IM
Well MW-12-177	SCP068	5/29/2013	MOLINATE	ug/l	0.1	<0.1		0.1	<0.1	13	NRWQC - IM
Well MW-12-183	SCP043	5/28/2013	MOLINATE	ug/l	0.1	<0.1		0.1	<0.1	13	NRWQC - IM
Well MW-12-185	SCP040	5/28/2013	MOLINATE	ug/l	0.1	<0.1		0.1	<0.1	13	NRWQC - IM
Well MW-12-190	SCP038	5/28/2013	MOLINATE	ug/l	0.1	<0.1		0.1	<0.1	13	NRWQC - IM
Well MW-12-191	SCP039	5/28/2013	MOLINATE	ug/l	0.1	<0.1		-	-	13	NRWQC - IM
Columbian Canal at Eastside Drive	SCP037	5/28/2013	NALED	ug/l	0.5	<0.5		-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	NALED	ug/l	0.5	<0.5		0.5	<0.5	-	-
Drain Sump L-43	SCP055	5/29/2013	NALED	ug/l	0.5	<0.5		-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	NALED	ug/l	0.5	<0.5		-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	NALED	ug/l	0.5	<0.5		0.5	<0.5	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	NALED	ug/l	0.5	<0.5		-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	NALED	ug/l	0.5	<0.5		0.5	<0.5	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	NALED	ug/l	0.5	<0.5		0.5	<0.5	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	NALED	ug/l	0.5	<0.5		0.5	<0.5	-	-
Nickel South Drain Sump	SCP059	5/30/2013	NALED	ug/l	0.5	<0.5		0.5	<0.5	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	NALED	ug/l	0.5	<0.5		-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	NALED	ug/l	0.5	<0.5		-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	NALED	ug/l	0.5	<0.5		0.5	<0.5	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	NALED	ug/l	0.5	<0.5		0.5	<0.5	-	-
Well MW-10-89	SCP046	5/30/2013	NALED	ug/l	0.5	<0.5		-	-	-	-
Well MW-10-90	SCP050	5/29/2013	NALED	ug/l	0.5	<0.5		0.5	<0.5	-	-
Well MW-10-94	SCP052	5/29/2013	NALED	ug/l	0.5	<0.5		0.5	<0.5	-	-
Well MW-11-149	SCP065	5/30/2013	NALED	ug/l	0.5	<0.5		0.5	<0.5	-	-
Well MW-11-150	SCP045	5/28/2013	NALED	ug/l	0.5	<0.5		0.5	<0.5	-	-
Well MW-12-165	SCP067	5/29/2013	NALED	ug/l	0.5	<0.5		0.5	<0.5	-	-
Well MW-12-169	SCP066	5/29/2013	NALED	ug/l	0.5	<0.5		0.5	<0.5	-	-
Well MW-12-172	SCP054	5/29/2013	NALED	ug/l	0.5	<0.5		-	-	-	-
Well MW-12-174	SCP056	5/29/2013	NALED	ug/l	0.5	<0.5		0.5	<0.5	-	-
Well MW-12-177	SCP051	5/29/2013	NALED	ug/l	0.5	<0.5		0.5	<0.5	-	-
Well MW-12-183	SCP068	5/29/2013	NALED	ug/l	0.5	<0.5		0.5	<0.5	-	-
Well MW-12-185	SCP043	5/28/2013	NALED	ug/l	0.5	<0.5		0.5	<0.5	-	-
Well MW-12-190	SCP040	5/28/2013	NALED	ug/l	0.5	<0.5		0.5	<0.5	-	-
Well MW-12-191	SCP038	5/28/2013	NALED	ug/l	0.5	<0.5		0.5	<0.5	-	-
Columbian Canal at Eastside Drive	SCP037	5/28/2013	NAPHTHALENE	ug/l	0.3	<0.3		-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	NAPHTHALENE	ug/l	0.3	<0.3		0.3	<0.3	-	-
Drain Sump L-43	SCP055	5/29/2013	NAPHTHALENE	ug/l	0.3	<0.3		-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	NAPHTHALENE	ug/l	0.3	<0.3		-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	NAPHTHALENE	ug/l	0.3	<0.3		-	-	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	NAPHTHALENE	ug/l	0.3	<0.3		-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	NAPHTHALENE	ug/l	0.3	<0.3		0.3	<0.3	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	NAPHTHALENE	ug/l	0.3	<0.3		0.3	<0.3	-	-

Water Quality Monitoring for SJR Seepage Management

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Well MW-12-165	SCP067	5/29/2013	PERMETHRIN (TOTAL)	ug/l	0.1	< 0.1		0.1	< 0.1	0.03	NRWQC - MC	
Well MW-12-169	SCP066	5/29/2013	PERMETHRIN (TOTAL)	ug/l	0.1	< 0.1		0.1	< 0.1	0.03	NRWQC - MC	
Well MW-12-170	SCP054	5/29/2013	PERMETHRIN (TOTAL)	ug/l	0.1	< 0.1		-	-	0.03	NRWQC - MC	
Well MW-12-172	SCP056	5/29/2013	PERMETHRIN (TOTAL)	ug/l	0.1	< 0.1		0.1	< 0.1	0.03	NRWQC - MC	
Well MW-12-174	SCP051	5/29/2013	PERMETHRIN (TOTAL)	ug/l	0.1	< 0.1		0.1	< 0.1	0.03	NRWQC - MC	
Well MW-12-177	SCP068	5/29/2013	PERMETHRIN (TOTAL)	ug/l	0.1	< 0.1		0.1	< 0.1	0.03	NRWQC - MC	
Well MW-12-183	SCP043	5/28/2013	PERMETHRIN (TOTAL)	ug/l	0.1	< 0.1		0.1	< 0.1	0.03	NRWQC - MC	
Well MW-12-185	SCP040	5/28/2013	PERMETHRIN (TOTAL)	ug/l	0.1	< 0.1		0.1	< 0.1	0.03	NRWQC - MC	
Well MW-12-190	SCP038	5/28/2013	PERMETHRIN (TOTAL)	ug/l	0.1	< 0.1		0.1	< 0.1	0.03	NRWQC - MC	
Well MW-12-191	SCP039	5/28/2013	PERMETHRIN (TOTAL)	ug/l	0.1	< 0.1	L	-	-	0.03	NRWQC - MC	Lab surrogate - low recovery
Columbia Canal at Eastside Drive	SCP037	5/28/2013	PHENANTHRENE	ug/l	0.04	< 0.04		-	-	-	-	
Drain Sump L-36	SCP053	5/29/2013	PHENANTHRENE	ug/l	0.04	< 0.04		0.04	< 0.04	-	-	
Drain Sump L-43	SCP055	5/29/2013	PHENANTHRENE	ug/l	0.04	< 0.04		-	-	-	-	
Drain Sump L-49	SCP058	5/29/2013	PHENANTHRENE	ug/l	0.04	< 0.04		-	-	-	-	
Drain Sump L-50	SCP057	5/29/2013	PHENANTHRENE	ug/l	0.04	< 0.04		0.04	< 0.04	-	-	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	PHENANTHRENE	ug/l	0.04	< 0.04		-	-	-	-	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	PHENANTHRENE	ug/l	0.04	< 0.04		0.04	< 0.04	-	-	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	PHENANTHRENE	ug/l	0.04	< 0.04		0.04	< 0.04	-	-	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	PHENANTHRENE	ug/l	0.04	< 0.04		0.04	< 0.04	-	-	
Nickel South Drain Sump	SCP059	5/30/2013	PHENANTHRENE	ug/l	0.04	< 0.04		0.04	< 0.04	-	-	
Poso Canal at Valeria Ave	SCP042	5/28/2013	PHENANTHRENE	ug/l	0.04	< 0.04		-	-	-	-	
Riverside Canal at Willis Road	SCP063	5/30/2013	PHENANTHRENE	ug/l	0.04	< 0.04		-	-	-	-	
San Joaquin River at Sack Dam	SCP041	5/28/2013	PHENANTHRENE	ug/l	0.04	< 0.04		0.04	< 0.04	-	-	
Sand Slough at El Nido Road	SCP047	5/29/2013	PHENANTHRENE	ug/l	0.04	< 0.04		0.04	< 0.04	-	-	
Well MW-10-89	SCP046	5/30/2013	PHENANTHRENE	ug/l	0.04	< 0.04		-	-	-	-	
Well MW-10-90	SCP050	5/29/2013	PHENANTHRENE	ug/l	0.04	< 0.04		0.04	< 0.04	-	-	
Well MW-10-94	SCP052	5/29/2013	PHENANTHRENE	ug/l	0.04	< 0.04		0.04	< 0.04	-	-	
Well MW-11-149	SCP065	5/30/2013	PHENANTHRENE	ug/l	0.04	< 0.04		0.04	< 0.04	-	-	
Well MW-11-150	SCP045	5/28/2013	PHENANTHRENE	ug/l	0.04	< 0.04		0.04	< 0.04	-	-	
Well MW-12-165	SCP067	5/29/2013	PHENANTHRENE	ug/l	0.04	< 0.04		0.04	< 0.04	-	-	
Well MW-12-169	SCP066	5/29/2013	PHENANTHRENE	ug/l	0.04	< 0.04		0.04	< 0.04	-	-	
Well MW-12-170	SCP054	5/29/2013	PHENANTHRENE	ug/l	0.04	< 0.04		-	-	-	-	
Well MW-12-172	SCP068	5/29/2013	PHENANTHRENE	ug/l	0.04	< 0.04		0.04	< 0.04	-	-	
Well MW-12-183	SCP043	5/28/2013	PHENANTHRENE	ug/l	0.04	< 0.04		0.04	< 0.04	-	-	
Well MW-12-185	SCP040	5/28/2013	PHENANTHRENE	ug/l	0.04	< 0.04		0.04	< 0.04	-	-	
Well MW-12-190	SCP038	5/28/2013	PHENANTHRENE	ug/l	0.04	< 0.04		0.04	< 0.04	-	-	
Well MW-12-191	SCP039	5/28/2013	PHENANTHRENE	ug/l	0.04	< 0.04		-	-	-	-	
Columbia Canal at Eastside Drive	SCP037	5/28/2013	PHORATE	ug/l	0.1	< 0.1		-	-	-	-	
Drain Sump L-36	SCP053	5/29/2013	PHORATE	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Drain Sump L-43	SCP055	5/29/2013	PHORATE	ug/l	0.1	< 0.1	-	-	-	-	-	
Drain Sump L-49	SCP058	5/29/2013	PHORATE	ug/l	0.1	< 0.1	-	-	-	-	-	
Drain Sump L-50	SCP057	5/29/2013	PHORATE	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	PHORATE	ug/l	0.1	< 0.1	-	-	-	-	-	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	PHORATE	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	PHORATE	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	PHORATE	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Nickel South Drain Sump	SCP059	5/30/2013	PHORATE	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Poso Canal at Valeria Ave	SCP042	5/28/2013	PHORATE	ug/l	0.1	< 0.1	-	-	-	-	-	
Riverside Canal at Willis Road	SCP063	5/30/2013	PHORATE	ug/l	0.1	< 0.1	-	-	-	-	-	
San Joaquin River at Sack Dam	SCP041	5/28/2013	PHORATE	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Sand Slough at El Nido Road	SCP047	5/29/2013	PHORATE	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Well MW-10-89	SCP046	5/30/2013	PHORATE	ug/l	0.1	< 0.1	-	-	-	-	-	
Well MW-10-90	SCP050	5/29/2013	PHORATE	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Well MW-10-94	SCP052	5/29/2013	PHORATE	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Well MW-11-149	SCP065	5/29/2013	PHORATE	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Well MW-11-150	SCP065	5/30/2013	PHORATE	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Well MW-12-165	SCP054	5/29/2013	PHORATE	ug/l	0.1	< 0.1	-	-	-	-	-	
Well MW-12-172	SCP056	5/29/2013	PHORATE	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Well MW-12-174	SCP051	5/29/2013	PHORATE	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Well MW-12-177	SCP068	5/29/2013	PHORATE	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Well MW-12-183	SCP043	5/28/2013	PHORATE	ug/l	0.1	< 0.1	0.05	< 0.05	-	8	NRWQC - IM	
Well MW-12-185	SCP038	5/28/2013	PHORATE	ug/l	0.1	< 0.1	0.1	< 0.1	-	8	NRWQC - IM	
Well MW-12-190	SCP039	5/28/2013	PHORATE	ug/l	0.1	< 0.1	0.1	< 0.1	-	8	NRWQC - IM	
Well MW-12-191	SCP039	5/28/2013	PHORATE	ug/l	0.1	< 0.1	-	-	-	8	NRWQC - IM	
Columbia Canal at Eastside Drive	SCP037	5/28/2013	PROPACHLOR	ug/l	0.05	< 0.05	-	-	-	8	NRWQC - IM	
Drain Sump L-36	SCP053	5/29/2013	PROPACHLOR	ug/l	0.05	< 0.05	0.05	< 0.05	8	NRWQC - IM		
Drain Sump L-43	SCP055	5/29/2013	PROPACHLOR	ug/l	0.05	< 0.05	-	-	-	8	NRWQC - IM	
Drain Sump L-49	SCP058	5/29/2013	PROPACHLOR	ug/l	0.05	< 0.05	-	-	-	8	NRWQC - IM	
Drain Sump L-50	SCP057	5/29/2013	PROPACHLOR	ug/l	0.05	< 0.05	0.05	< 0.05	8	NRWQC - IM		
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	PROPACHLOR	ug/l	0.05	< 0.05	-	-	-	8	NRWQC - IM	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	PROPACHLOR	ug/l	0.05	< 0.05	0.05	< 0.05	8	NRWQC - IM		
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	PROPACHLOR	ug/l	0.05	< 0.05	0.05	< 0.05	8	NRWQC - IM		
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	PROPACHLOR	ug/l	0.05	< 0.05	0.05	< 0.05	8	NRWQC - IM		
Nickel South Drain Sump	SCP059	5/30/2013	PROPACHLOR	ug/l	0.05	< 0.05	0.05	< 0.05	8	NRWQC - IM		
Poso Canal at Valeria Ave	SCP042	5/28/2013	PROPACHLOR	ug/l	0.05	< 0.05	-	-	-	8	NRWQC - IM	
Riverside Canal at Willis Road	SCP063	5/30/2013	PROPACHLOR	ug/l	0.05	< 0.05	-	-	-	8	NRWQC - IM	
San Joaquin River at Sack Dam	SCP041	5/28/2013	PROPACHLOR	ug/l	0.05	< 0.05	0.05	< 0.05	8	NRWQC - IM		
Sand Slough at El Nido Road	SCP047	5/29/2013	PROPACHLOR	ug/l	0.05	< 0.05	0.05	< 0.05	8	NRWQC - IM		
Well MW-10-89	SCP046	5/30/2013	PROPACHLOR	ug/l	0.05	< 0.05	0.05	< 0.05	8	NRWQC - IM		
Well MW-10-90	SCP050	5/29/2013	PROPACHLOR	ug/l	0.05	< 0.05	0.05	< 0.05	8	NRWQC - IM		
Well MW-10-94	SCP052	5/29/2013	PROPACHLOR	ug/l	0.05	< 0.05	0.05	< 0.05	8	NRWQC - IM		
Well MW-11-149	SCP065	5/30/2013	PROPACHLOR	ug/l	0.05	< 0.05	0.05	< 0.05	8	NRWQC - IM		
Well MW-11-150	SCP045	5/28/2013	PROPACHLOR	ug/l	0.05	< 0.05	0.05	< 0.05	8	NRWQC - IM		
Well MW-12-165	SCP067	5/29/2013	PROPACHLOR	ug/l	0.05	< 0.05	0.05	< 0.05	8	NRWQC - IM		
Well MW-12-169	SCP066	5/29/2013	PROPACHLOR	ug/l	0.05	< 0.05	0.05	< 0.05	8	NRWQC - IM		
Well MW-12-170	SCP054	5/29/2013	PROPACHLOR	ug/l	0.05	< 0.05	0.05	< 0.05	8	NRWQC - IM		
Well MW-12-172	SCP067	5/29/2013	PROPACHLOR	ug/l	0.05	< 0.05	0.05	< 0.05	8	NRWQC - IM		
Well MW-12-174	SCP051	5/29/2013	PROPACHLOR	ug/l	0.05	< 0.05	0.05	< 0.05	8	NRWQC - IM		
Well MW-12-177	SCP068	5/29/2013	PROPACHLOR	ug/l	0.05	< 0.05	0.05	< 0.05	8	NRWQC - IM		
Well MW-12-183	SCP043	5/28/2013	PROPACHLOR	ug/l	0.05	< 0.05	0.05	< 0.05	8	NRWQC - IM		
Well MW-12-185	SCP040	5/28/2013	PROPACHLOR	ug/l	0.05	< 0.05	0.05	< 0.05	8	NRWQC - IM		
Well MW-12-190	SCP038	5/28/2013	PROPACHLOR	ug/l	0.05	< 0.05	0.05	< 0.05	8	NRWQC - IM		
Well MW-12-191	SCP039	5/28/2013	PROPACHLOR	ug/l	0.05	< 0.05	-	-	8	NRWQC - IM		
Columbia Canal at Eastside Drive	SCP037	5/28/2013	PROPANIL	ug/l	0.1	< 0.1	-	-	-	-	-	
Drain Sump L-36	SCP053	5/29/2013	PROPANIL	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Drain Sump L-43	SCP055	5/29/2013</td										

Water Quality Monitoring for SJR Seepage Management

Poso Canal at Valeria Ave	SCP042	5/28/2013	PROPANIL	ug/l	0.1	<0.1	-	-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	PROPANIL	ug/l	0.1	<0.1	-	-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	PROPANIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	PROPANIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-10-89	SCP046	5/30/2013	PROPANIL	ug/l	0.1	<0.1	-	-	-	-	-
Well MW-10-90	SCP050	5/29/2013	PROPANIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-10-94	SCP052	5/29/2013	PROPANIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-11-149	SCP065	5/30/2013	PROPANIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-11-150	SCP045	5/28/2013	PROPANIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-165	SCP067	5/29/2013	PROPANIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-169	SCP066	5/29/2013	PROPANIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-170	SCP054	5/29/2013	PROPANIL	ug/l	0.1	<0.1	-	-	-	-	-
Well MW-12-172	SCP056	5/29/2013	PROPANIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-174	SCP051	5/29/2013	PROPANIL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-177	SCP068	5/29/2013	PYRENE	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-183	SCP043	5/28/2013	PYRENE	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-185	SCP040	5/28/2013	PYRENE	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-190	SCP038	5/28/2013	PYRENE	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-191	SCP039	5/28/2013	PYRENE	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	PYRENE	ug/l	0.05	<0.05	-	-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	PYRENE	ug/l	0.05	<0.05	0.05	<0.05	-	-	-
Drain Sump L-43	SCP055	5/29/2013	PYRENE	ug/l	0.05	<0.05	-	-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	PYRENE	ug/l	0.05	<0.05	-	-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	PYRENE	ug/l	0.05	<0.05	0.05	<0.05	-	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	PYRENE	ug/l	0.05	<0.05	-	-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	PYRENE	ug/l	0.05	<0.05	0.05	<0.05	-	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	PYRENE	ug/l	0.05	<0.05	0.05	<0.05	-	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	PYRENE	ug/l	0.05	<0.05	0.05	<0.05	-	-	-
Nickel South Drain Sump	SCP059	5/30/2013	PYRENE	ug/l	0.05	<0.05	0.05	<0.05	-	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	PYRENE	ug/l	0.05	<0.05	-	-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	PYRENE	ug/l	0.05	<0.05	-	-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	PYRENE	ug/l	0.05	<0.05	-	-	-	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	PYRENE	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-10-89	SCP046	5/30/2013	PYRENE	ug/l	0.1	<0.1	-	-	-	-	-
Well MW-10-90	SCP050	5/29/2013	PYRENE	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-10-94	SCP052	5/29/2013	PYRENE	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-11-149	SCP065	5/30/2013	PYRENE	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-11-150	SCP045	5/28/2013	PYRENE	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-165	SCP067	5/29/2013	PYRENE	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-169	SCP066	5/29/2013	PYRENE	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-170	SCP054	5/29/2013	PYRENE	ug/l	0.1	<0.1	-	-	-	-	-
Well MW-12-172	SCP056	5/29/2013	PYRENE	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-174	SCP051	5/29/2013	PYRENE	ug/l	0.1	<0.1	-	-	-	-	-
Well MW-12-177	SCP068	5/29/2013	PYRENE	ug/l	0.1	<0.1	0.05	<0.05	-	-	-
Well MW-12-183	SCP043	5/28/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-185	SCP040	5/28/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.05	<0.05	-	-	-
Well MW-12-190	SCP038	5/28/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.05	<0.05	-	-	-
Well MW-12-191	SCP039	5/28/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	-	-	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Drain Sump L-36	SCP053	5/29/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Drain Sump L-43	SCP055	5/29/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Drain Sump L-49	SCP058	5/29/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Drain Sump L-50	SCP057	5/29/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	-	-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Nickel South Drain Sump	SCP059	5/30/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	-	-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	-	-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-10-89	SCP046	5/30/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	-	-	-	-	-
Well MW-10-90	SCP050	5/29/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-10-94	SCP052	5/29/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-11-149	SCP065	5/30/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-165	SCP067	5/29/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-169	SCP066	5/29/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-170	SCP054	5/29/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	-	-	-	-	-
Well MW-12-172	SCP056	5/29/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-174	SCP051	5/29/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-177	SCP068	5/29/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-183	SCP043	5/28/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-185	SCP040	5/28/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-190	SCP038	5/28/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-191	SCP039	5/28/2013	PYRIPROXYFEN	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	RONNEL	ug/l	0.1	<0.1	-	-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	RONNEL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Drain Sump L-43	SCP055	5/29/2013	RONNEL	ug/l	0.1	<0.1	-	-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	RONNEL	ug/l	0.1	<0.1	-	-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	RONNEL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	RONNEL	ug/l	0.1	<0.1	-	-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	RONNEL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	RONNEL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Nickel South Drain Sump	SCP061	5/29/2013	RONNEL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Nickel South Drain Sump - South (inland) Drain	SCP059	5/30/2013	RONNEL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	RONNEL	ug/l	0.1	<0.1	-	-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	RONNEL	ug/l	0.1	<0.1	-	-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	RONNEL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	RONNEL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-10-89	SCP046	5/30/2013	RONNEL	ug/l	0.1	<0.1	-	-	-	-	-
Well MW-10-90	SCP050	5/29/2013	RONNEL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-10-94	SCP052	5/29/2013	RONNEL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-11-149	SCP065	5/30/2013	RONNEL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-11-150	SCP045	5/28/2013	RONNEL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-165	SCP067	5/29/2013	RONNEL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-169	SCP066	5/29/2013	RONNEL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-170	SCP054	5/29/2013	RONNEL	ug/l	0.1	<0.1	-	-	-	-	-
Well MW-12-172	SCP056	5/29/2013	RONNEL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-174	SCP051	5/29/2013	RONNEL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-177	SCP068	5/29/2013	RONNEL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-183	SCP043	5/28/2013	RONNEL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-185	SCP040	5/28/2013	RONNEL	ug/l	0.1	<0.1	0.1	<0.1	-	-	-
Well MW-12-190	SCP038	5/28/2013	RONNEL	ug/l	0.1</td						

Water Quality Monitoring for SJR Seepage Management

Drain Sump L-36	SCP053	5/29/2013	SIMAZINE	ug/l	0.05	< 0.05		0.05	< 0.05	10	NRWQC - IM
Drain Sump L-43	SCP055	5/29/2013	SIMAZINE	ug/l	0.05	< 0.05		-	-	10	NRWQC - IM
Drain Sump L-49	SCP058	5/29/2013	SIMAZINE	ug/l	0.05	< 0.05		-	-	10	NRWQC - IM
Drain Sump L-50	SCP057	5/29/2013	SIMAZINE	ug/l	0.05	< 0.05		0.05	< 0.05	10	NRWQC - IM
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	SIMAZINE	ug/l	0.05	< 0.05		-	-	10	NRWQC - IM
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	SIMAZINE	ug/l	0.05	< 0.05		0.05	< 0.05	10	NRWQC - IM
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	SIMAZINE	ug/l	0.05	< 0.05		0.05	< 0.05	10	NRWQC - IM
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	SIMAZINE	ug/l	0.05	< 0.05		0.05	< 0.05	10	NRWQC - IM
Nickel South Drain Sump	SCP059	5/30/2013	SIMAZINE	ug/l	0.05	< 0.05		0.05	< 0.05	10	NRWQC - IM
Poso Canal at Valeria Ave	SCP042	5/28/2013	SIMAZINE	ug/l	0.05	< 0.05		-	-	10	NRWQC - IM
Riverside Canal at Willis Road	SCP063	5/30/2013	SIMAZINE	ug/l	0.05	< 0.05		-	-	10	NRWQC - IM
San Joaquin River at Sack Dam	SCP041	5/28/2013	SIMAZINE	ug/l	0.05	< 0.05		0.05	< 0.05	10	NRWQC - IM
Sand Slough at El Nido Road	SCP047	5/29/2013	SIMAZINE	ug/l	0.05	< 0.05		0.05	< 0.05	10	NRWQC - IM
Well MW-10-89	SCP046	5/30/2013	SIMAZINE	ug/l	0.05	< 0.05		-	-	10	NRWQC - IM
Well MW-10-90	SCP050	5/29/2013	SIMAZINE	ug/l	0.05	< 0.05		0.05	< 0.05	10	NRWQC - IM
Well MW-10-94	SCP052	5/29/2013	SIMAZINE	ug/l	0.05	< 0.05		0.05	< 0.05	10	NRWQC - IM
Well MW-11-149	SCP065	5/30/2013	SIMAZINE	ug/l	0.05	< 0.05		0.05	< 0.05	10	NRWQC - IM
Well MW-11-150	SCP067	5/29/2013	SIMAZINE	ug/l	0.05	< 0.05		0.05	< 0.05	10	NRWQC - IM
Well MW-12-170	SCP054	5/29/2013	SIMAZINE	ug/l	0.05	< 0.05		-	-	10	NRWQC - IM
Well MW-12-172	SCP056	5/29/2013	SIMAZINE	ug/l	0.05	< 0.05		0.05	< 0.05	10	NRWQC - IM
Well MW-12-174	SCP051	5/29/2013	SIMAZINE	ug/l	0.05	< 0.05		0.05	< 0.05	10	NRWQC - IM
Well MW-12-177	SCP068	5/29/2013	SIMAZINE	ug/l	0.05	< 0.05		0.05	< 0.05	10	NRWQC - IM
Well MW-12-183	SCP043	5/28/2013	SIMAZINE	ug/l	0.05	< 0.05		0.05	< 0.05	10	NRWQC - IM
Well MW-12-190	SCP038	5/28/2013	SIMAZINE	ug/l	0.05	< 0.05		0.05	< 0.05	10	NRWQC - IM
Well MW-12-191	SCP039	5/28/2013	SIMAZINE	ug/l	0.05	< 0.05		-	-	10	NRWQC - IM
Columbia Canal at Eastside Drive	SCP037	5/28/2013	STIROPHOS	ug/l	0.1	< 0.1		-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	STIROPHOS	ug/l	0.1	< 0.1		-	-	-	-
Drain Sump L-43	SCP055	5/29/2013	STIROPHOS	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Drain Sump L-49	SCP058	5/29/2013	STIROPHOS	ug/l	0.1	< 0.1		-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	STIROPHOS	ug/l	0.1	< 0.1		-	-	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	STIROPHOS	ug/l	0.1	< 0.1		-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	STIROPHOS	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	STIROPHOS	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel South Drain Sump	SCP061	5/29/2013	STIROPHOS	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel South Drain Sump	SCP059	5/30/2013	STIROPHOS	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	STIROPHOS	ug/l	0.1	< 0.1		-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	STIROPHOS	ug/l	0.1	< 0.1		-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	STIROPHOS	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	STIROPHOS	ug/l	0.1	< 0.1		-	-	-	-
Well MW-10-89	SCP046	5/30/2013	STIROPHOS	ug/l	0.1	< 0.1		-	-	-	-
Well MW-10-90	SCP050	5/29/2013	STIROPHOS	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-10-94	SCP052	5/30/2013	STIROPHOS	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-11-149	SCP065	5/30/2013	STIROPHOS	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-11-150	SCP045	5/28/2013	STIROPHOS	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-165	SCP067	5/29/2013	STIROPHOS	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-169	SCP066	5/29/2013	STIROPHOS	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-170	SCP054	5/29/2013	STIROPHOS	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-172	SCP056	5/29/2013	STIROPHOS	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-174	SCP051	5/29/2013	STIROPHOS	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-177	SCP068	5/29/2013	STIROPHOS	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-183	SCP043	5/28/2013	STIROPHOS	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-185	SCP040	5/28/2013	STIROPHOS	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-190	SCP038	5/28/2013	STIROPHOS	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-191	SCP039	5/28/2013	STIROPHOS	ug/l	0.1	< 0.1		-	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	SULFOTE	ug/l	0.1	< 0.1		-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	SULFOTE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Drain Sump L-43	SCP055	5/29/2013	SULFOTE	ug/l	0.1	< 0.1		-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	SULFOTE	ug/l	0.1	< 0.1		-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	SULFOTE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	SULFOTE	ug/l	0.1	< 0.1		-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	SULFOTE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	SULFOTE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel South Drain Sump	SCP061	5/29/2013	SULFOTE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel South Drain Sump	SCP059	5/30/2013	SULFOTE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	SULFOTE	ug/l	0.1	< 0.1		-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	SULFOTE	ug/l	0.1	< 0.1		-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	SULFOTE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	SULFOTE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-10-89	SCP046	5/30/2013	SULFOTE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-10-90	SCP050	5/29/2013	SULFOTE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-10-94	SCP052	5/29/2013	SULFOTE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-11-149	SCP065	5/30/2013	SULFOTE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-11-150	SCP067	5/29/2013	SULFOTE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-170	SCP054	5/28/2013	SULFOTE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-172	SCP056	5/29/2013	SULFOTE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-174	SCP051	5/29/2013	SULFOTE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-177	SCP068	5/29/2013	SULFOTE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-183	SCP043	5/28/2013	SULFOTE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-185	SCP040	5/28/2013	SULFOTE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-190	SCP038	5/28/2013	SULFOTE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-191	SCP039	5/28/2013	SULFOTE	ug/l	0.1	< 0.1		-	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	TEBUTHIURON	ug/l	0.1	< 0.1		-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	TEBUTHIURON	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Drain Sump L-43	SCP055	5/29/2013	TEBUTHIURON	ug/l	0.1	< 0.1		-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	TEBUTHIURON	ug/l	0.1	< 0.1		-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	TEBUTHIURON	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	TEBUTHIURON	ug/l	0.1	< 0.1		-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	TEBUTHIURON	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	TEBUTHIURON	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	TEBUTHIURON	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel South Drain Sump	SCP059	5/30/2013	TEBUTHIURON	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	TEBUTHIURON	ug/l	0.1	< 0.1		-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	TEBUTHIURON	ug/l	0.1	< 0.1		-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	TEBUTHIURON	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	TEBUTHIURON	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-10-89	SCP046	5/30/2013	TEBUTHIURON	ug/l	0.1	< 0.1		-	-	-	-
Well MW-10-90	SCP050	5/29/2013	TEBUTHIURON	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-10-94	SCP052	5/29/2013	TEBUTHIURON	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-11-149	SCP065	5/30/2013	TEBUTHIURON	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-11-150	SCP053	5/29/2013	TEBUTHIURON	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-165	SCP067	5/29/2013	TEBUTHIURON	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-169	SCP056	5/29/2									

Water Quality Monitoring for SJR Seepage Management

Well MW-12-170	SCP054	5/29/2013	TEBUTHIURON	ug/l	0.1	<0.1	-	-	-	-
Well MW-12-172	SCP056	5/29/2013	TEBUTHIURON	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-174	SCP051	5/29/2013	TEBUTHIURON	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-177	SCP068	5/29/2013	TEBUTHIURON	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-183	SCP043	5/28/2013	TEBUTHIURON	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-185	SCP040	5/28/2013	TEBUTHIURON	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-190	SCP038	5/28/2013	TEBUTHIURON	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-191	SCP039	5/28/2013	TEBUTHIURON	ug/l	0.1	<0.1	-	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	TERBACIL	ug/l	0.1	<0.1	-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	TERBACIL	ug/l	0.1	<0.1	0.1	<0.1	-	-
Drain Sump L-43	SCP055	5/29/2013	TERBACIL	ug/l	0.1	<0.1	-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	TERBACIL	ug/l	0.1	<0.1	-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	TERBACIL	ug/l	0.1	<0.1	0.1	<0.1	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	TERBACIL	ug/l	0.1	<0.1	-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	TERBACIL	ug/l	0.1	<0.1	0.1	<0.1	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	TERBACIL	ug/l	0.1	<0.1	0.1	<0.1	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	TERBACIL	ug/l	0.1	<0.1	0.1	<0.1	-	-
Nickel South Drain Sump	SCP059	5/30/2013	TERBACIL	ug/l	0.1	<0.1	0.1	<0.1	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	TERBACIL	ug/l	0.1	<0.1	-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	TERBACIL	ug/l	0.1	<0.1	-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	TERBACIL	ug/l	0.1	<0.1	0.1	<0.1	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	TERBACIL	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-10-89	SCP046	5/30/2013	TERBACIL	ug/l	0.1	<0.1	-	-	-	-
Well MW-10-90	SCP050	5/29/2013	TERBACIL	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-10-94	SCP052	5/29/2013	TERBACIL	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-11-149	SCP065	5/30/2013	TERBACIL	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-11-150	SCP045	5/28/2013	TERBACIL	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-165	SCP067	5/29/2013	TERBACIL	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-169	SCP066	5/29/2013	TERBACIL	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-170	SCP054	5/29/2013	TERBACIL	ug/l	0.1	<0.1	-	-	-	-
Well MW-12-172	SCP056	5/29/2013	TERBACIL	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-174	SCP051	5/29/2013	TERBACIL	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-177	SCP068	5/29/2013	TERBACIL	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-183	SCP043	5/28/2013	TERBACIL	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-185	SCP040	5/28/2013	TERBACIL	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-190	SCP038	5/28/2013	TERBACIL	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-191	SCP039	5/28/2013	TERBACIL	ug/l	0.1	<0.1	-	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	0.1	<0.1	-	-
Drain Sump L-43	SCP055	5/29/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	0.1	<0.1	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	0.1	<0.1	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	0.1	<0.1	-	-
Nickel South Drain Sump	SCP059	5/30/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	0.1	<0.1	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	0.1	<0.1	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-10-89	SCP046	5/30/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	-	-	-	-
Well MW-10-90	SCP050	5/29/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-10-94	SCP052	5/29/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-11-149	SCP065	5/30/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-11-150	SCP045	5/28/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-165	SCP067	5/29/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-169	SCP066	5/29/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-170	SCP054	5/29/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	-	-	-	-
Well MW-12-172	SCP056	5/29/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-174	SCP051	5/29/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-177	SCP068	5/29/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-183	SCP043	5/28/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-185	SCP040	5/28/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-190	SCP038	5/28/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	0.1	<0.1	-	-
Well MW-12-191	SCP039	5/28/2013	TERBUTHYLAZINE	ug/l	0.1	<0.1	-	-	-	-
Columbia Canal at Eastside Drive	SCP042	5/28/2013	THIOBENCARB	ug/l	0.2	<0.2	-	-	3.1	NRWQC - IM
Drain Sump L-36	SCP053	5/29/2013	THIOBENCARB	ug/l	0.2	<0.2	0.2	<0.2	3.1	NRWQC - IM
Drain Sump L-43	SCP055	5/29/2013	THIOBENCARB	ug/l	0.2	<0.2	-	-	3.1	NRWQC - IM
Drain Sump L-49	SCP058	5/29/2013	THIOBENCARB	ug/l	0.2	<0.2	-	-	3.1	NRWQC - IM
Drain Sump L-50	SCP057	5/29/2013	THIOBENCARB	ug/l	0.2	<0.2	0.2	<0.2	3.1	NRWQC - IM
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	THIOBENCARB	ug/l	0.2	<0.2	-	-	3.1	NRWQC - IM
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	THIOBENCARB	ug/l	0.2	<0.2	0.2	<0.2	3.1	NRWQC - IM
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	THIOBENCARB	ug/l	0.2	<0.2	0.2	<0.2	3.1	NRWQC - IM
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	THIOBENCARB	ug/l	0.2	<0.2	0.2	<0.2	3.1	NRWQC - IM
Nickel South Drain Sump	SCP059	5/30/2013	THIOBENCARB	ug/l	0.2	<0.2	0.2	<0.2	3.1	NRWQC - IM
Poso Canal at Valeria Ave	SCP042	5/28/2013	THIOBENCARB	ug/l	0.2	<0.2	-	-	3.1	NRWQC - IM
Riverside Canal at Willis Road	SCP063	5/30/2013	THIOBENCARB	ug/l	0.2	<0.2	-	-	3.1	NRWQC - IM
San Joaquin River at Sack Dam	SCP041	5/28/2013	THIOBENCARB	ug/l	0.2	<0.2	0.2	<0.2	3.1	NRWQC - IM
Sand Slough at El Nido Road	SCP047	5/29/2013	THIOBENCARB	ug/l	0.2	<0.2	0.2	<0.2	3.1	NRWQC - IM
Well MW-10-89	SCP046	5/30/2013	THIOBENCARB	ug/l	0.2	<0.2	-	-	3.1	NRWQC - IM
Well MW-10-90	SCP050	5/29/2013	THIOBENCARB	ug/l	0.2	<0.2	0.2	<0.2	3.1	NRWQC - IM
Well MW-10-94	SCP052	5/29/2013	THIOBENCARB	ug/l	0.2	<0.2	0.2	<0.2	3.1	NRWQC - IM
Well MW-11-149	SCP065	5/30/2013	THIOBENCARB	ug/l	0.2	<0.2	0.2	<0.2	3.1	NRWQC - IM
Well MW-11-150	SCP045	5/28/2013	THIOBENCARB	ug/l	0.2	<0.2	0.2	<0.2	3.1	NRWQC - IM
Well MW-12-165	SCP067	5/29/2013	THIOBENCARB	ug/l	0.2	<0.2	0.2	<0.2	3.1	NRWQC - IM
Well MW-12-169	SCP066	5/29/2013	THIOBENCARB	ug/l	0.2	<0.2	0.2	<0.2	3.1	NRWQC - IM
Well MW-12-170	SCP054	5/29/2013	THIOBENCARB	ug/l	0.2	<0.2	-	-	3.1	NRWQC - IM
Well MW-12-172	SCP056	5/29/2013	THIOBENCARB	ug/l	0.2	<0.2	0.2	<0.2	3.1	NRWQC - IM
Well MW-12-174	SCP051	5/29/2013	THIOBENCARB	ug/l	0.2	<0.2	0.2	<0.2	3.1	NRWQC - IM
Well MW-12-177	SCP068	5/29/2013	THIOBENCARB	ug/l	0.2	<0.2	0.2	<0.2	3.1	NRWQC - IM
Well MW-12-183	SCP043	5/28/2013	THIOBENCARB	ug/l	0.2	<0.2	0.2	<0.2	3.1	NRWQC - IM
Well MW-12-185	SCP040	5/28/2013	THIOBENCARB	ug/l	0.2	<0.2	0.2	<0.2	3.1	NRWQC - IM
Well MW-12-190	SCP038	5/28/2013	THIOBENCARB	ug/l	0.2	<0.2	0.2	<0.2	3.1	NRWQC - IM
Well MW-12-191	SCP039	5/28/2013	THIOBENCARB	ug/l	0.2	<0.2	-	-	3.1	NRWQC - IM
Columbia Canal at Eastside Drive	SCP037	5/28/2013	TOKUTHION	ug/l	0.1	<0.1	-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	TOKUTHION	ug/l	0.1	<0.1	0.1	<0.1	-	-
Drain Sump L-43	SCP055	5/29/2013	TOKUTHION	ug/l	0.1	<0.1	-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	TOKUTHION	ug/l	0.1	<0.1	-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	TOKUTHION	ug/l	0.1	<0.1	0.1	<0.1	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	TOKUTHION	ug/l	0.1	<0.1	-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	TOKUTHION	ug/l	0.1	<0.1	0.1	<0.1	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	TOKUTHION	ug/l	0.1	<0.1	0.1	<0.1	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	TOKUTHION	ug/l	0.1	<0.1	0.1	<0.1	-	-
Nickel South Drain Sump	SCP059	5/30/2013	TOKUTHION	ug/l	0.1	<0.1	0.1	<0.1	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	TOKUTHION	ug/l	0.1	<0.1	-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	TOKUTHION	ug/l	0.1	<0.1	-	-	-	-

Water Quality Monitoring for SJR Seepage Management

San Joaquin River at Sack Dam	SCP041	5/28/2013	TOKUTHION	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	TOKUTHION	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-10-89	SCP046	5/30/2013	TOKUTHION	ug/l	0.1	< 0.1	-	-	-	-	-
Well MW-10-90	SCP050	5/29/2013	TOKUTHION	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-10-94	SCP052	5/29/2013	TOKUTHION	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-11-149	SCP065	5/30/2013	TOKUTHION	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-11-150	SCP045	5/28/2013	TOKUTHION	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-165	SCP067	5/29/2013	TOKUTHION	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-169	SCP066	5/29/2013	TOKUTHION	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-170	SCP054	5/29/2013	TOKUTHION	ug/l	0.1	< 0.1	-	-	-	-	-
Well MW-12-172	SCP056	5/29/2013	TOKUTHION	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-174	SCP051	5/29/2013	TOKUTHION	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-177	SCP068	5/29/2013	TOKUTHION	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-183	SCP043	5/28/2013	TOKUTHION	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-185	SCP040	5/28/2013	TOKUTHION	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-190	SCP038	5/28/2013	TOKUTHION	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-191	SCP039	5/28/2013	TOKUTHION	ug/l	0.1	< 0.1	-	-	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	TOXAPHENE	ug/l	0.5	< 0.5	-	-	0.0002	CTR - CC	
Drain Sump L-36	SCP053	5/29/2013	TOXAPHENE	ug/l	0.5	< 0.5		0.5	< 0.5	0.0002	CTR - CC
Drain Sump L-43	SCP055	5/29/2013	TOXAPHENE	ug/l	0.5	< 0.5	-	-	0.0002	CTR - CC	
Drain Sump L-49	SCP058	5/29/2013	TOXAPHENE	ug/l	0.5	< 0.5	-	-	0.0002	CTR - CC	
Drain Sump L-50	SCP057	5/29/2013	TOXAPHENE	ug/l	0.5	< 0.5		0.5	< 0.5	0.0002	CTR - CC
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	TOXAPHENE	ug/l	0.5	< 0.5	-	-	0.0002	CTR - CC	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	TOXAPHENE	ug/l	0.5	< 0.5		0.5	< 0.5	0.0002	CTR - CC
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	TOXAPHENE	ug/l	0.5	< 0.5		0.5	< 0.5	0.0002	CTR - CC
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	TOXAPHENE	ug/l	0.5	< 0.5		0.5	< 0.5	0.0002	CTR - CC
Nickel South Drain Sump	SCP059	5/30/2013	TOXAPHENE	ug/l	0.5	< 0.5		0.5	< 0.5	0.0002	CTR - CC
Poso Canal at Valeria Ave	SCP042	5/28/2013	TOXAPHENE	ug/l	0.5	< 0.5	-	-	0.0002	CTR - CC	
Riverside Canal at Willis Road	SCP063	5/30/2013	TOXAPHENE	ug/l	0.5	< 0.5	-	-	0.0002	CTR - CC	
San Joaquin River at Sack Dam	SCP041	5/28/2013	TOXAPHENE	ug/l	0.5	< 0.5		0.5	< 0.5	0.0002	CTR - CC
Sand Slough at El Nido Road	SCP047	5/29/2013	TOXAPHENE	ug/l	0.5	< 0.5	-	-	0.0002	CTR - CC	
Well MW-10-89	SCP046	5/30/2013	TOXAPHENE	ug/l	0.5	< 0.5	-	-	0.0002	CTR - CC	
Well MW-10-90	SCP050	5/29/2013	TOXAPHENE	ug/l	0.5	< 0.5		0.5	< 0.5	0.0002	CTR - CC
Well MW-10-94	SCP052	5/29/2013	TOXAPHENE	ug/l	0.5	< 0.5		0.5	< 0.5	0.0002	CTR - CC
Well MW-11-149	SCP065	5/30/2013	TOXAPHENE	ug/l	0.5	< 0.5		0.5	< 0.5	0.0002	CTR - CC
Well MW-11-150	SCP045	5/28/2013	TOXAPHENE	ug/l	2	< 2		0.5	< 0.5	0.0002	CTR - CC
Well MW-12-165	SCP067	5/29/2013	TOXAPHENE	ug/l	0.5	< 0.5		0.5	< 0.5	0.0002	CTR - CC
Well MW-12-169	SCP066	5/29/2013	TOXAPHENE	ug/l	0.5	< 0.5		0.5	< 0.5	0.0002	CTR - CC
Well MW-12-170	SCP054	5/29/2013	TOXAPHENE	ug/l	0.5	< 0.5	-	-	0.0002	CTR - CC	
Well MW-12-172	SCP056	5/29/2013	TOXAPHENE	ug/l	0.5	< 0.5		0.5	< 0.5	0.0002	CTR - CC
Well MW-12-174	SCP051	5/29/2013	TOXAPHENE	ug/l	0.5	< 0.5		0.5	< 0.5	0.0002	CTR - CC
Well MW-12-177	SCP068	5/29/2013	TOXAPHENE	ug/l	0.01	< 0.01		0.5	< 0.5	0.0002	CTR - CC
Well MW-12-183	SCP043	5/28/2013	TOXAPHENE	ug/l	0.5	< 0.5		0.5	< 0.5	0.0002	CTR - CC
Well MW-12-185	SCP040	5/28/2013	TOXAPHENE	ug/l	0.5	< 0.5		0.5	< 0.5	0.0002	CTR - CC
Well MW-12-190	SCP038	5/28/2013	TOXAPHENE	ug/l	0.5	< 0.5		0.5	< 0.5	0.0002	CTR - CC
Well MW-12-191	SCP039	5/28/2013	TOXAPHENE	ug/l	0.5	< 0.5	-	-	0.0002	CTR - CC	
Columbia Canal at Eastside Drive	SCP037	5/28/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05	-	-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Drain Sump L-43	SCP055	5/29/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05	-	-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05	-	-	-	-	-
Drain Sump L-50	SCP057	5/29/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05	-	-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Nickel South Drain Sump	SCP059	5/30/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05	-	-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05	-	-	-	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-10-89	SCP046	5/30/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05	-	-	0.0002	CTR - CC	
Well MW-10-90	SCP050	5/29/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-10-94	SCP052	5/29/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-165	SCP066	5/29/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-170	SCP054	5/29/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05	-	-	-	-	-
Well MW-12-172	SCP056	5/29/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-177	SCP051	5/29/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-174	SCP068	5/29/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-183	SCP040	5/28/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-190	SCP039	5/28/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05		0.05	< 0.05	-	-
Well MW-12-191	SCP039	5/28/2013	TRANS-NONACHLOR	ug/l	0.05	< 0.05	-	-	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	TRICHLORONATE	ug/l	0.1	< 0.1	-	-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	TRICHLORONATE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Drain Sump L-43	SCP055	5/29/2013	TRICHLORONATE	ug/l	0.1	< 0.1	-	-	-	-	-
Drain Sump L-49	SCP058	5/29/2013	TRICHLORONATE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Drain Sump L-50	SCP057	5/29/2013	TRICHLORONATE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	TRICHLORONATE	ug/l	0.1	< 0.1	-	-	-	-	-
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	TRICHLORONATE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	TRICHLORONATE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	TRICHLORONATE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Nickel South Drain Sump	SCP059	5/30/2013	TRICHLORONATE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Poso Canal at Valeria Ave	SCP042	5/28/2013	TRICHLORONATE	ug/l	0.1	< 0.1	-	-	-	-	-
Riverside Canal at Willis Road	SCP063	5/30/2013	TRICHLORONATE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
San Joaquin River at Sack Dam	SCP041	5/28/2013	TRICHLORONATE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Sand Slough at El Nido Road	SCP047	5/29/2013	TRICHLORONATE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-10-89	SCP046	5/30/2013	TRICHLORONATE	ug/l	0.1	< 0.1	-	-	-	-	-
Well MW-10-90	SCP050	5/29/2013	TRICHLORONATE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-10-94	SCP052	5/29/2013	TRICHLORONATE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-165	SCP066	5/29/2013	TRICHLORONATE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-170	SCP054	5/29/2013	TRICHLORONATE	ug/l	0.1	< 0.1	-	-	-	-	-
Well MW-12-172	SCP067	5/29/2013	TRICHLORONATE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-177	SCP067	5/29/2013	TRICHLORONATE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-174	SCP066	5/29/2013	TRICHLORONATE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-183	SCP040	5/28/2013	TRICHLORONATE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-190	SCP039	5/28/2013	TRICHLORONATE	ug/l	0.1	< 0.1		0.1	< 0.1	-	-
Well MW-12-191	SCP039	5/28/2013	TRICHLORONATE	ug/l	0.1	< 0.1	-	-	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	TRIFLURALIN	ug/l	0.05	< 0.05	-	-	-	-	-
Columbia Canal at Eastside Drive	SCP037	5/28/2013	TRIFLURALIN	ug/l	0.1	< 0.1	-	-	-	-	-
Drain Sump L-36	SCP053	5/29/2013	TRIFLURALIN	ug/l	0.05	< 0.05		0.05	< 0.05	-	-

Water Quality Monitoring for SJR Seepage Management

Drain Sump L-36	SCP053	5/29/2013	TRIFLURALIN	ug/l	0.1	< 0.1		0.1	< 0.1	-	-	
Drain Sump L-43	SCP055	5/29/2013	TRIFLURALIN	ug/l	0.05	< 0.05	-	-	-	-	-	
Drain Sump L-43	SCP055	5/29/2013	TRIFLURALIN	ug/l	0.1	< 0.1	-	-	-	-	-	
Drain Sump L-49	SCP058	5/29/2013	TRIFLURALIN	ug/l	0.05	< 0.05	-	-	-	-	-	
Drain Sump L-49	SCP058	5/29/2013	TRIFLURALIN	ug/l	0.1	< 0.1	-	-	-	-	-	
Drain Sump L-50	SCP057	5/29/2013	TRIFLURALIN	ug/l	0.05	< 0.05	0.05	< 0.05	-	-	-	
Drain Sump L-50	SCP057	5/29/2013	TRIFLURALIN	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	TRIFLURALIN	ug/l	0.05	< 0.05	-	-	-	-	-	
Lonetree ID Canal at El Nido Road	SCP049	5/29/2013	TRIFLURALIN	ug/l	0.1	< 0.1	-	-	-	-	-	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	TRIFLURALIN	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Nickel North Drain Sump - East (river/canal side) Drain	SCP062	5/29/2013	TRIFLURALIN	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	TRIFLURALIN	ug/l	0.05	< 0.05	0.05	< 0.05	-	-	-	
Nickel North Drain Sump - North (inland) Drain	SCP060	5/29/2013	TRIFLURALIN	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	TRIFLURALIN	ug/l	0.05	< 0.05	0.05	< 0.05	-	-	-	
Nickel North Drain Sump - South (inland) Drain	SCP061	5/29/2013	TRIFLURALIN	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Nickel South Drain Sump	SCP059	5/30/2013	TRIFLURALIN	ug/l	0.05	< 0.05	0.1	< 0.1	-	-	-	
Nickel South Drain Sump	SCP059	5/30/2013	TRIFLURALIN	ug/l	0.1	0.29	0.05	< 0.05	-	-	-	
Poso Canal at Valeria Ave	SCP042	5/28/2013	TRIFLURALIN	ug/l	0.05	< 0.05	-	-	-	-	-	
Poso Canal at Valeria Ave	SCP042	5/28/2013	TRIFLURALIN	ug/l	0.1	< 0.1	-	-	-	-	-	
Riverside Canal at Willis Road	SCP063	5/30/2013	TRIFLURALIN	ug/l	0.05	< 0.05	-	-	-	-	-	
Riverside Canal at Willis Road	SCP063	5/30/2013	TRIFLURALIN	ug/l	0.1	< 0.1	-	-	-	-	-	
San Joaquin River at Sack Dam	SCP041	5/28/2013	TRIFLURALIN	ug/l	0.05	< 0.05	0.05	< 0.05	-	-	-	
San Joaquin River at Sack Dam	SCP041	5/28/2013	TRIFLURALIN	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Sand Slough at El Nido Road	SCP047	5/29/2013	TRIFLURALIN	ug/l	0.05	< 0.05	0.05	< 0.05	-	-	-	
Sand Slough at El Nido Road	SCP047	5/29/2013	TRIFLURALIN	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Well MW-10-89	SCP046	5/30/2013	TRIFLURALIN	ug/l	0.05	< 0.05	-	-	-	-	-	
Well MW-10-89	SCP046	5/30/2013	TRIFLURALIN	ug/l	0.1	< 0.1	-	-	-	-	-	
Well MW-10-90	SCP050	5/29/2013	TRIFLURALIN	ug/l	0.05	< 0.05	0.05	< 0.05	-	-	-	
Well MW-10-90	SCP050	5/29/2013	TRIFLURALIN	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Well MW-10-94	SCP052	5/29/2013	TRIFLURALIN	ug/l	0.05	< 0.05	0.05	< 0.05	-	-	-	
Well MW-10-94	SCP052	5/29/2013	TRIFLURALIN	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Well MW-11-149	SCP065	5/30/2013	TRIFLURALIN	ug/l	0.05	< 0.05	0.05	< 0.05	-	-	-	
Well MW-11-149	SCP065	5/30/2013	TRIFLURALIN	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Well MW-11-150	SCP045	5/28/2013	TRIFLURALIN	ug/l	0.05	< 0.05	0.05	< 0.05	-	-	-	
Well MW-11-150	SCP045	5/28/2013	TRIFLURALIN	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Well MW-12-165	SCP067	5/29/2013	TRIFLURALIN	ug/l	0.05	< 0.05	0.05	< 0.05	-	-	-	
Well MW-12-165	SCP067	5/29/2013	TRIFLURALIN	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Well MW-12-169	SCP066	5/29/2013	TRIFLURALIN	ug/l	0.05	< 0.05	0.05	< 0.05	-	-	-	
Well MW-12-169	SCP066	5/29/2013	TRIFLURALIN	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Well MW-12-170	SCP054	5/29/2013	TRIFLURALIN	ug/l	0.05	< 0.05	-	-	-	-	-	
Well MW-12-170	SCP054	5/29/2013	TRIFLURALIN	ug/l	0.1	< 0.1	-	-	-	-	-	
Well MW-12-172	SCP056	5/29/2013	TRIFLURALIN	ug/l	0.05	< 0.05	0.05	< 0.05	-	-	-	
Well MW-12-172	SCP056	5/29/2013	TRIFLURALIN	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Well MW-12-174	SCP051	5/29/2013	TRIFLURALIN	ug/l	0.05	< 0.05	0.05	< 0.05	-	-	-	
Well MW-12-174	SCP051	5/29/2013	TRIFLURALIN	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Well MW-12-177	SCP068	5/29/2013	TRIFLURALIN	ug/l	0.05	< 0.05	0.05	< 0.05	-	-	-	
Well MW-12-177	SCP068	5/29/2013	TRIFLURALIN	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Well MW-12-183	SCP043	5/28/2013	TRIFLURALIN	ug/l	0.05	< 0.05	0.05	< 0.05	-	-	-	
Well MW-12-183	SCP043	5/28/2013	TRIFLURALIN	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Well MW-12-185	SCP040	5/28/2013	TRIFLURALIN	ug/l	0.05	< 0.05	0.05	< 0.05	-	-	-	
Well MW-12-185	SCP040	5/28/2013	TRIFLURALIN	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Well MW-12-190	SCP038	5/28/2013	TRIFLURALIN	ug/l	0.05	< 0.05	0.05	< 0.05	-	-	-	
Well MW-12-190	SCP038	5/28/2013	TRIFLURALIN	ug/l	0.1	< 0.1	0.1	< 0.1	-	-	-	
Well MW-12-191	SCP039	5/28/2013	TRIFLURALIN	ug/l	0.05	< 0.05	-	-	-	-	-	
Well MW-12-191	SCP039	5/28/2013	TRIFLURALIN	ug/l	0.1	< 0.1	-	-	-	-	-	

Footnotes to Appendix C tables

1. This CTR-CC standard was calculated from May 2013 hardness results for this sample

Appendix D

WQ Standards for Seepage Management Projects – Objectives and Quantitative Limits

Water Quality Monitoring for SJR Seepage Management

Analyte	Basin Plan	Aquatic Life Protection									Agri-cultural Goals	Irrigation Suitability		
		CTR and/or NTR			Freshwater NRWQC			NRWQC Toxicity						
		CC	MC	IM	CC	MC	IM	Acute	Chronic	Algal				
CONVENTIONAL PARAMETERS (ug/L)														
pH	6.5 - 8.5	-	-	-	-	-	6.5 - 9.0	-	-	-	6.5 - 8.4	6.5 - 8.4 ¹⁴		
EC	-	-	-	-	-	-	-	-	-	-	700	700-3,000 ¹⁴		
Calcium	-	-	-	-	-	-	-	-	-	-	-	-		
Magnesium	-	-	-	-	-	-	-	-	-	-	-	-		
Hardness	-	-	-	-	-	-	-	-	-	-	-	-		
Soil Absorption Ratio	-	-	-	-	-	-	-	-	-	-	-	-		
Sodium	-	-	-	-	-	-	-	-	-	-	69,000	69,000 ¹⁵		
Bicarbonate Alkalinity	-	-	-	-	-	-	-	-	-	-	-	92,000-519,000 ¹⁴		
Total Alkalinity	-	-	-	-	20,000	-	-	-	-	-	-	-		
Ammonia (as N)	-	-	-	-	1,940 ³	9640 - 14,400 ⁴	-	-	-	-	-	-		
Ammonium (as N)	-	-	-	-	-	-	-	-	-	-	-	-		
Nitrate (as NO ₃)	-	-	-	-	-	-	-	-	-	-	-	5,000-30,000 ¹⁴		
Nitrate + Nitrite (as N)	-	-	-	-	-	-	-	-	-	-	-	-		
Total Phosphorus	-	-	-	-	-	-	-	-	-	-	-	-		
Soluble Orthophosphate	-	-	-	-	-	-	-	-	-	-	-	-		
Chloride	-	-	-	-	230,000	860,000	-	-	-	-	106,000	106,000-310,000 ¹⁴		
Fluoride	-	-	-	-	-	-	-	-	-	-	1,000	-		
Sulfate	-	-	-	-	-	-	-	-	-	-	-	-		
Sulfide	-	-	-	-	-	-	-	-	-	-	-	-		
Cyanide	10 ⁶	5.2 ¹	22 ¹	-	-	-	-	-	-	-	-	-		
Weak Acid Dissociable Cyanide	-	-	-	-	-	-	-	-	-	-	-	-		
Total Dissolved Solids	-	-	-	-	-	-	-	-	-	-	450,000	450,000-2,000,000 ¹⁴		
Total Suspended Solids	-	-	-	-	-	-	-	-	-	-	-	-		
Biological Oxygen Demand (5-day)	-	-	-	-	-	-	-	-	-	-	-	-		
Chemical Oxygen Demand	-	-	-	-	-	-	-	-	-	-	-	-		
Dissolved Organic Carbon	-	-	-	-	-	-	-	-	-	-	-	-		
Total Organic Carbon	-	-	-	-	-	-	-	-	-	-	-	-		
Oil and Grease	-	-	-	-	-	-	-	-	-	-	-	-		
METALS - TOTAL (ug/L)														
Aluminum	-	-	-	-	87	750	-	-	-	-	5,000	-		
Antimony	-	-	-	-	-	-	-	-	-	-	-	-		
Arsenic	10 ⁶	150	340	-	-	-	-	-	-	-	100	-		
Barium	100 ⁶	-	-	-	-	-	-	-	-	-	-	-		
Boron	-	-	-	-	-	-	-	-	-	-	700	700-3000 ¹⁴		
Cadmium	-	1.9 ⁷	3.1 ⁷	-	0.21 ⁷	1.5 ⁷	-	-	-	-	10	-		
Chromium	-	-	-	-	-	-	-	-	-	-	-	-		
Hexavalent Chromium	-	11	16	-	11	16	-	-	-	-	100	-		
Trivalent Chromium	-	150 ⁸	-	-	-	-	-	-	-	-	-	-		
Copper	10 ⁶	6.6-9.3 ⁷	9.6-14 ⁷	-	-	-	-	-	-	-	200	-		
Iron	300 ⁶	-	-	-	1,000	-	-	-	-	-	5,000	-		
Lead	-	1.9-3.2 ⁷	49.04 ⁸	-	-	-	-	-	-	-	5,000	-		
Manganese	50 ⁶	-	-	-	-	-	-	-	-	-	200	-		
Mercury	-	-	-	-	0.77	1.4	-	-	-	-	-	-		
Methyl Mercury	-	-	-	-	-	-	-	-	-	-	-	-		
Molybdenum	19 ¹⁰ -50	-	-	-	-	-	-	-	-	-	10	10 ¹⁵		
Nickel	-	37 ⁸	-	-	-	-	-	-	-	-	200	-		
Selenium	5 ¹⁰ -20 max	5 ¹	20 ¹	-	5	-	-	-	-	-	20	20 ¹⁵		
Silver	10 ⁶	-	-	2.04 ⁸	-	-	-	-	-	-	-	-		
Vanadium	-	-	-	-	-	-	-	-	-	-	100	-		
Zinc	100 ⁶	85 ⁸	-	-	-	-	-	-	-	-	2,000	-		

Water Quality Monitoring for SJR Seepage Management

Analyte	Basin Plan	Aquatic Life Protection									Agri-cultural Goals	Irrigation Suitability		
		CTR and/or NTR			Freshwater NRWQC			NRWQC Toxicity						
		CC	MC	IM	CC	MC	IM	Acute	Chronic	Algal				
CARBAMATE INSECTICIDES (ug/L)														
3-Hydroxycarbofuran	-	-	-	-	-	-	-	-	-	-	-	-		
Aldicarb	-	-	-	-	-	-	-	-	-	-	-	-		
Aldicarb Sulfone	-	-	-	-	-	-	-	-	-	-	-	-		
Aldicarb Sulfoxide	-	-	-	-	-	-	-	-	-	-	-	-		
Benomyl	-	-	-	-	-	8.8	-	-	-	-	-	-		
Captan	-	-	-	-	-	-	-	-	-	-	-	-		
Carbaryl	-	-	-	-	2.53 ²	2.53 ²	0.02	-	-	-	-	-		
Carbofuran	-	-	-	-	-	-	0.5	-	-	-	-	-		
Methiocarb	-	-	-	-	-	-	-	-	-	-	-	-		
Methomyl	-	-	-	-	-	-	-	-	-	-	-	-		
Oxamyl	-	-	-	-	-	-	-	-	-	-	-	-		
Propoxur (Baygon)	-	-	-	-	-	-	-	-	-	-	-	-		
CHLORINATED PESTICIDES - DDTs (ug/L)														
2,4'-DDD	-	-	-	-	-	-	-	-	-	-	-	-		
2,4'-DDE	-	-	-	-	-	-	-	-	-	-	-	-		
2,4'-DDT	-	-	-	-	-	-	-	-	-	-	-	-		
4,4'-DDD	-	-	-	-	-	-	-	-	-	-	-	-		
4,4'-DDE	-	-	-	-	-	-	-	-	-	-	-	-		
4,4'-DDT	-	-	-	-	-	-	-	-	-	-	-	-		
Total DDD	-	-	-	-	0.001	-	1.1	0.6	-	-	-	-		
Total DDE	-	-	-	-	0.001	-	1.1	1,050	-	-	-	-		
Total DDT	-	-	-	-	0.001	-	1.1	-	-	-	-	-		
HERBICIDES (ug/L)														
Alachlor	-	-	-	-	-	-	76	-	-	-	-	-		
Atrazine	-	-	-	-	-	1,500	1	-	-	-	-	-		
Dalapon	-	-	-	-	-	-	110	-	-	-	-	-		
Dicamba	-	-	-	-	-	-	200	-	-	-	-	-		
Diquat	-	-	-	-	-	-	0.5	-	-	-	-	-		
Glyphosate	-	-	-	-	-	-	-	-	-	-	-	-		
Metolachlor	-	-	-	-	-	-	100	-	-	-	-	-		
Metribuzin	-	-	-	-	-	-	100	-	-	-	-	-		
Molinate	-	-	-	-	-	-	13	-	-	-	-	-		
Pendimethalin	-	-	-	-	-	-	-	-	-	-	-	-		
Propachlor	-	-	-	-	-	-	8	-	-	-	-	-		
Simazine	-	-	-	-	-	-	10	-	-	-	-	-		
Thiobencarb	-	-	-	-	-	-	3.1	-	-	-	-	-		
Total DCPA Mono & Diacid Degradates	-	-	-	-	-	-	14,300	-	-	-	-	-		
ORGANOCHLORINE PESTICIDES (ug/L)														
Aldrin	-	-	-	3	-	-	3	-	-	-	-	-		
Bentazon	-	-	-	-	-	-	-	-	-	-	-	-		
Chlordane (technical)	-	0.0043 ¹	-	2.4	0.0043	-	2.4	-	-	-	-	-		
Dieldrin	-	0.056	0.24	-	0.056	0.24	-	-	-	-	-	-		
Endosulfan I	-	0.056 ¹	-	0.22	0.056	-	0.22	-	-	-	-	-		
Endosulfan II	-	-	-	-	-	-	-	-	-	-	-	-		
Endosulfan Sulfate	-	-	-	-	-	-	-	-	-	-	-	-		
Endrin	-	0.036	0.086	-	0.036	0.086	-	-	-	-	-	-		
Endrin Aldehyde	-	-	-	-	-	-	-	-	-	-	-	-		
Gamma-BHC	-	-	0.95	-	0.08	0.95	-	-	-	-	-	-		
Heptachlor	-	0.0038 ¹	-	0.52	0.0038	-	0.52	-	-	-	-	-		
Heptachlor Epoxide	-	0.0038 ¹	-	0.52	0.0038	-	0.52	-	-	-	-	-		
Methoxychlor	-	-	-	-	-	-	0.03	-	-	-	-	-		
Mirex	-	-	-	-	-	-	0.001	-	-	-	-	-		
Toxaphene	-	0.0002	0.73	-	0.0002	0.73	-	-	-	-	-	-		

Water Quality Monitoring for SJR Seepage Management

Analyte	Basin Plan	Aquatic Life Protection									Agri-cultural Goals	Irrigation Suitability		
		CTR and/or NTR			Freshwater NRWQC			NRWQC Toxicity						
		CC	MC	IM	CC	MC	IM	Acute	Chronic	Algal				
ORGANOPHOSPHORUS PESTICIDES (ug/L)														
0,0,0-Triethyl phosphorothioate	-	-	-	-	-	-	-	-	-	-	-	-		
Azinphosmethyl Bolstar	-	-	-	-	-	-	-	-	-	-	-	-		
Chlorpyrifos	0.025 MC 0.015 CC	0.014 ²	0.02 ²	-	0.041	0.083	-	-	-	-	-	-		
Coumaphos	-	-	-	-	-	-	-	-	-	-	-	-		
Demeton-O	-	-	-	-	-	-	-	0.1	-	-	-	-		
Demeton-S	-	-	-	-	-	-	-	0.1	-	-	-	-		
Demeton-Total	-	-	-	-	-	-	-	0.2 ¹⁶	-	-	-	-		
Diazinon	0.16 MC 0.10 CC	0.05 ²	0.08 ²	-	0.17	0.17	-	-	-	-	-	-		
Dichlorvos	-	-	-	-	-	-	-	-	-	-	-	-		
Dimethoate	-	-	-	-	-	-	-	-	-	-	-	-		
Disulfoton	-	-	-	-	-	-	-	0.05	-	-	-	-		
Ethion	-	-	-	-	-	-	-	0.02	-	-	-	-		
Ethoprop	-	-	-	-	-	-	-	-	-	-	-	-		
Ethyl Parathion	-	-	-	-	-	-	-	-	-	-	-	-		
Famphur	-	-	-	-	-	-	-	-	-	-	-	-		
Fensulfothion	-	-	-	-	-	-	-	-	-	-	-	-		
Fenthion	-	-	-	-	-	-	-	-	-	-	-	-		
Malathion	-	-	-	-	-	-	0.43 ²	0.1	-	-	-	-		
Merphos	-	-	-	-	-	-	-	-	-	-	-	-		
Methyl Parathion	-	-	-	-	-	-	-	0.08	-	-	-	-		
Mevinphos	-	-	-	-	-	-	-	-	-	-	-	-		
Naled	-	-	-	-	-	-	-	-	-	-	-	-		
Parathion	-	-	-	-	0.013	0.065	-	-	-	-	-	-		
Phorate	-	-	-	-	-	-	-	-	-	-	-	-		
Ronnel	-	-	-	-	-	-	-	-	-	-	-	-		
Stirofos	-	-	-	-	-	-	-	-	-	-	-	-		
Sulfotep	-	-	-	-	-	-	-	-	-	-	-	-		
Thionazin	-	-	-	-	-	-	-	-	-	-	-	-		
Tokuthion	-	-	-	-	-	-	-	-	-	-	-	-		
Trichloronate	-	-	-	-	-	-	-	-	-	-	-	-		
POLY-AROMATIC HYDROCARBONS (ug/L)														
Acenaphthene	-	-	-	-	-	-	-	-	1,700	-	520	-		
Aroclor 1016	-	0.014 ¹	-	-	-	-	-	-	-	-	-	-		
Aroclor 1221	-	0.014 ¹	-	-	-	-	-	-	-	-	-	-		
Aroclor 1232	-	0.014 ¹	-	-	-	-	-	-	-	-	-	-		
Aroclor 1242	-	0.014 ¹	-	-	-	-	-	-	-	-	-	-		
Aroclor 1248	-	0.014 ¹	-	-	-	-	-	-	-	-	-	-		
Aroclor 1254	-	0.014 ¹	-	-	-	-	-	-	-	-	-	-		
Aroclor 1260	-	0.014 ¹	-	-	-	-	-	-	-	-	-	-		
Naphthalene	-	-	-	-	-	-	-	-	-	-	-	-		
Total HPAH	-	-	-	-	-	-	-	-	-	-	-	-		
Total LPAH	-	-	-	-	-	-	-	-	-	-	-	-		
Total PCB	-	0.014 ¹	-	-	0.014	-	-	2	-	-	-	-		
PESTICIDES (ug/L)														
Rotenone	-	-	-	-	-	-	-	10	-	-	-	-		
PHTHALATES (ug/L)														
Bis(2-ethylhexyl) Phthalate	-	-	-	-	-	-	-	-	-	-	-	-		
Di-N-Butyl Phthalate	-	-	-	-	-	-	-	940	3	-	-	-		
Dimethyl Phthalate	-	-	-	-	-	-	-	940	3	-	-	-		
Butyl Benzyl Phthalate	-	-	-	-	-	-	-	940	3	-	-	-		
Di-N-Octyl Phthalate	-	-	-	-	-	-	-	940	3	-	-	-		
Diethyl Phthalate	-	-	-	-	-	-	-	940	3	-	-	-		

Water Quality Monitoring for SJR Seepage Management

Analyte	Basin Plan	Aquatic Life Protection								Agri-cultural Goals	Irrigation Suitability	
		CTR and/or NTR			Freshwater NRWQC			NRWQC Toxicity				
		CC	MC	IM	CC	MC	IM	Acute	Chronic	Algal		
PYRETHROID INSECTICIDES (ug/L)												
Allethrin	-	-	-	-	-	-	-	-	-	-	-	
Bifenthrin	-	-	-	-	-	-	-	-	-	-	-	
Cyfluthrin	-	-	-	-	-	-	-	-	-	-	-	
Cypermethrin	-	-	-	-	-	0.002	-	-	-	-	-	
Deltamethrin/ Tralomethrin	-	-	-	-	-	-	-	-	-	-	-	
Dichloran	-	-	-	-	-	-	-	-	-	-	-	
Esfenvalerate	-	-	-	-	-	-	-	-	-	-	-	
Fenpropathrin	-	-	-	-	-	-	-	-	-	-	-	
Fenvalerate (Pydrin)	-	-	-	-	-	-	-	-	-	-	-	
L-Cyhalothrin	-	-	-	-	-	-	-	-	-	-	-	
Permethrin (Total)	-	-	-	-	-	0.03	-	-	-	-	-	
Prallethrin	-	-	-	-	-	-	-	-	-	-	-	
Sumithrin	-	-	-	-	-	-	-	-	-	-	-	
Tefluthrin	-	-	-	-	-	-	-	-	-	-	-	
SEMI-VOLATILE ORGANIC COMPOUNDS - CHLORINATED HYDROCARBONS (ug/L)												
1,2-Dichloropropane	-	-	-	-	-	-	-	23,000	5700	-	-	
Trichloroethene	-	-	-	-	-	-	-	45,000	-	21,900	-	
Hexachloro- cyclopentadiene	-	-	-	-	-	-	-	7	5.2	-	-	
Hexachlorobutadiene	-	-	-	-	-	-	-	90	9.3	-	-	
Hexachloroethane	-	-	-	-	-	-	-	980	540	-	-	
SEMI-VOLATILE ORGANIC COMPOUNDS - PHENOLS (ug/L)												
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	970	-	-	
2,4-Dichlorophenol	-	-	-	-	-	-	-	2,020	365	70	-	
2,4-Dimethylphenol	-	-	-	-	-	-	-	2,120	-	-	-	
2-Chlorophenol	-	-	-	-	-	-	-	4,380	-	2,000	-	
4-Chloro-3- Methylphenol	-	-	-	-	-	-	-	30	-	-	-	
Pentachlorophenol	-	4.5 ¹²	5.8 ¹²	-	-	-	-	-	-	-	-	
Phenol	-	-	-	-	-	-	-	10,200	2,560	-	-	

Footnotes:

¹ National Toxics Rule (NTR)

² California Dept. of Fish & Game (not a national standard)

³ calculated based on lowest measured pH (7.7), average temperature (24°C)

⁴ MC where salmonids present is 9,640 ug N/L; MC where salmonids absent
is 14,400 ug N/L; calculated based on lowest measured pH of 7.7

⁵ Draft; tentative; provisional

⁶ Criteria apply waters in the Sac-SJR Delta; As, Cu, Fe, Mn, Ag and Zn standards are for dissolved concentrations

⁷ Based on approx. hardness of SJR/Mendota Pool water in an Aug, 2011 study

⁸ Based on lowest SJR water hardness (67 mg/l) measured in an Aug, 2011 study

⁹ Concentration in fish or shellfish tissue (mg/kg)

¹⁰ 4-day average for Se; monthly mean for Mo

¹¹ Criteria for Endosulfan

¹² Calculated based on lowest measured pH of 6.6

¹³ Ayers and Westcott, 1985

¹⁴ Values based on degree of restriction on use

¹⁵ Values based on water application rate

¹⁶ Value is sum of standard for Demeton-O and Demeton-S

Abbreviations:

CTR: California Toxics Rule

IM: instantaneous maximum

NRWQC: National Recommended Water Quality Criteria

DPH: Department of Public Health

CC: continuous concentration (4-day average)

EPA: Environmental Protection Agency

MC: maximum concentration (1-hour average)

MCL: maximum contaminant level

Appendix E

WQ Standards for Seepage Management Projects – Narrative Explanation

WQ Standards for the Protection of Agricultural Uses

Agricultural Water Quality Goals are published by the Food and Agriculture Organization of the United Nations and are advisory (Marshack, 2011). Irrigation Suitability Criteria are published by the CAL EPA Irrigated Lands Regulatory Program (CVRWQCB, 2008). Both agricultural and irrigation suitability standards are protective of agricultural water uses; the standards typically indicate the maximum concentration of a specific analyte within water that is unlikely to negatively impact agricultural or irrigation use.

WQ Limits for the Protection of Basin-Specific Objectives

The Water Quality Control Plan (Basin Plan) for the Sacramento and San Joaquin River Basin (CVRWQCB, 1998) provides narrative and numerical water quality criteria and designates beneficial uses within the river basin. Basin Plan criteria form enforceable water quality standards required under the Clean Water Act (CWA) and California Water Code. Within applicable water bodies, chemical concentrations that exceed Basin Plan objectives constitute a violation of CWA water quality standards as well as state law.

Basin Plan criteria are generally stated as the maximum or minimum concentration of an analyte that is allowed in the water body under the conditions specified in the Basin Plan.

Criteria for the Protection of Freshwater Aquatic Life, Habitat, Migration and Spawning

For this study, 9 quality standards are used to evaluate water quality for the protection of freshwater wildlife (Appendix D). These criteria were drawn from the State Water Resources Control Board (SWRCB) Compilation of Water Quality Goals (Marshack, 2011). Chosen objectives were limited to those with legal standing: Basin Plan criteria, California Toxics Rule (CTR) criteria, National Toxics Rule (NTR) criteria, and National Recommended Water Quality Criteria (NRWQC).

California Toxics Rule and National Toxics Rule

The CTR and NTR are water quality criteria promulgated by the Environmental Protection Agency (EPA) pursuant to the CWA and are enforceable water quality standards under the CWA. Criteria for inland surface waters (freshwater) have been developed under the CTR and NTR. Analyte concentrations within applicable water bodies which exceed CTR or NTR criteria constitute a violation of CWA water quality standards. CTR and NTR criteria are summarized below:

- Continuous concentration (CC) – an estimate of the highest concentration of an analyte in ambient water to which an aquatic organism or community can be exposed indefinitely without resulting in an unacceptable adverse affect.
- Maximum concentration (MC) – an estimate of the highest concentration of an analyte in ambient water to which an aquatic organism or community can be exposed briefly without resulting in an unacceptable adverse affect.
- Instantaneous maximum concentration (IM) – an estimate of the highest concentration of an analyte in ambient water to which an aquatic organism or community can survive an acute exposure (be exposed for an instant) without resulting in an unacceptable adverse affect.

The CC (chronic) criteria are expected to protect aquatic organisms from unacceptable effects assuming that the concentration of the chemical (based on a 4-day average) is not exceeded more than once every three years. Similarly, the MC (acute) criteria are expected to protect aquatic organisms from unacceptable effects assuming that the concentration of the chemical (based on a 1-hour average) is not exceeded more than once every three years. IM (acute) criteria are expected to protect aquatic organisms from unacceptable effects assuming that the concentration of the chemical (based on an instantaneous maximum) is not exceeded more than once every three years.

National Recommended Water Quality Criteria

The NRWQC are criteria generated by the USEPA to provide guidance for the development of state water quality standards. As such, these criteria are advisory and need only be applied where there are no existing CTR or NTR criteria. Definitions for the CC, MC, and IM criteria are identical to those stated for the respective CTR/ NTR criteria.