CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
JANUARY 2011 WATER QUALITY ANALYSES

	YSI INSTRUMENT				HACH 2100P
TIME (HH:MM)	TEMP (^oC)[1]	pH	DO (mg/l)[2]	EC ($u$mhos/cm)[3]	TURBIDITY (NTU)[4]
11:20 AM	10.6	-	10.00	5310	-

BACTERIAL ANALYSIS IVELAB- CALEXICO, CA[5]			CONCENTRATION (MPN/100ml)[6]
TIME	STORET CODE	ANALYSIS METHOD	FECAL COLIFORM CONCENTRATION
11:20 AM	316315	Multiple Tube Fermentation	≥1600.0

[1] Temperature is measured in units of degrees Celsius (^oC)
[2] Dissolved oxygen (DO) is measured in units of milligrams per liter (mg/l)
[3] Electrical conductivity (EC) is measured in units of micromhos per centimeter ($u$mhos/cm)
[4] Turbidity is measured in units of Nephelometer Turbidity Units (NTU). Turbidity instrument not operating
[5] Imperial Valley Environmental Laboratory in Calexico, California
[6] Fecal Coliform density is reported as the most probable number of fecal coliform per 100 milliliters of water sample (MPN/100 ml)

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NUTRIENT ANALYSIS DFG-WPCL– RANCHO CORDOVA, CA[7]				
CONSTITUENT (GRAB)	STORET CODE	METHOD	REPORTING LIMIT	CONCENTRATION (mg/l)[8]
MBAS	38260	SM 5540C	0.1	NR[9]
Total Phosphorus	00665	QC 10115012B	0.05	1.17
O-Phosphate Phosphorous	00665	QC 10115011M	0.05	0.376
Phenol	32730	EPA 420.1	0.05	NR
Cyanide	00720	SM 4500CN(E)	0.05	NR
Ammonia - Nitrogen	00610	QC 10107061G	1.0	7.16
Nitrate - Nitrogen	71850	QC 10107041B	0.5	2.21
Nitrite - Nitrogen	00630	QC 10107041B	0.05	0.177
Hardness (as $CaCO_3$)	00900	QC 10301311B	100	1070
Total Alkalinity ($CaCO_3$)	00410	QC 10303311A	10	327
Bicarbonate	00440	SM 2320B	1	NR
Total Dissolved Solids	70300	SM 2540 C	10	3530
Total Suspended Solids	00530	SM 2540 D	8	16.9
Field Turbidity (NTU)	82078	EPA 180.1	0.1	-[10]
BOD	00310	SM 5210B	2	NR
COD	00340	SM 5220	1	NR

METAL ANALYSIS MPSL-DFG – MOSS LANDING, CA[11]				
CONSTITUENT (GRAB)	STORET CODE	METHOD	REPORTING LIMIT	CONCENTRATION (µg/l)[12]
As-Arsenic	1002	EPA 1638 M	0.06	15.4
Cd-Cadmium	1027	EPA 1638 M	0.03	0.15
Cr-Chromium	1034	EPA 1638 M	0.3	1.12
Cu-Copper	1042	EPA 1638 M	0.1	5.99
Pb-Lead	1051	EPA 1638 M	0.03	0.399
Se-Selenium	1147	EPA 1638 M	1	7.87
Zn-Zinc	1092	EPA 1638 M	0.7	8.28
Hg-Mercury	71900	EPA 1631eM	0.0002	0.00474

[7] California Department of Fish & Game, Water Pollution Control Laboratory in Rancho Cordova, CA
[8] These concentrations are reported in units of milligrams per liter (mg/l) except for turbidity, which is report in units of NTUs
[9] Analysis not requested.
[10] Turbidity instrument not operating.
[11] Marine Pollution Studies Laboratory, Department of Fish and Game at Moss Landing Marine Laboratories in Moss Landing, California
[12] These concentrations are reported in units of micrograms per liter (µg/l)

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OC PESTICIDE ANALYSIS DFG-WPCL– RANCHO CORDOVA, CA		
CONSTITUENT	REPORTING LIMIT	CONCENTRATION (UG/L)
Aldrin	0.002	ND[13]
Chlordane, cis-	0.002	ND
Chlordane, trans-	0.002	ND
Dacthal	0.002	ND
DDD(o,p')	0.002	ND
DDD(p,p')	0.002	ND
DDE(o,p')	0.002	ND
DDE(p,p')	0.002	ND
DDMU(p,p')	0.002	ND
DDT(o,p')	0.002	ND
DDT(p,p')	0.005	ND
Dieldrin	0.002	ND
Endosulfan I	0.002	ND
Endosulfan II	0.002	ND
Endosulfan sulfate	0.002	ND
Endrin	0.002	ND
Endrin Aldehyde	0.005	ND
Endrin Ketone	0.005	ND
HCH, alpha	0.002	ND

[13] The concentration of this constituent is below the Method Detection Limit

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OC PESTICIDE ANALYSIS DFG-WPCL– RANCHO CORDOVA, CA		
CONSTITUENT	REPORTING LIMIT	CONCENTRATION (UG/L)
HCH, beta	0.002	ND
HCH, gamma	0.002	ND
Heptachlor	0.002	ND
Heptachlor epoxide	0.002	ND
Hexachlorobenzene	0.001	ND
Methoxychlor	0.002	ND
Mirex	0.002	ND
Nonachlor, cis-	0.002	ND
Nonachlor, trans-	0.002	ND
Oxadiazon	0.002	ND
Oxychlordane	0.002	ND
Tedion	0.002	ND

OP PESTICIDE ANALYSIS DFG-WPCL– RANCHO CORDOVA, CA		
CONSTITUENT	REPORTING LIMIT	CONCENTRATION (UG/L)
Aspon	0.050	ND
Azinphos ethyl	0.050	ND
Carbophenothion	0.050	ND
Chlorfenvinphos	0.050	ND

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OP PESTICIDE ANALYSIS DFG-WPCL– RANCHO CORDOVA, CA		
CONSTITUENT	REPORTING LIMIT	CONCENTRATION (UG/L)
Chlorpyrifos	0.020	ND
Chlorpyrifos methyl	0.050	ND
Ciodrin	0.050	ND
Coumaphos	0.050	ND
Demeton-s	0.050	ND
Diazinon	0.020	ND
Dichlofenthion	0.050	ND
Dichlorvos	0.050	ND
Dicrotophos	0.050	ND
Dimethoate	0.050	ND
Dioxathion	0.050	ND
Disulfoton	0.050	ND
Ethion	0.050	ND
Famphur	0.050	ND
Fenchlorphos	0.050	ND
Fenitrothion	0.050	ND
Fensulfothion	0.050	ND
Fenthion	0.050	ND
Fonofos	0.050	ND
Azinphos methyl	0.050	ND

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OP PESTICIDE ANALYSIS DFG-WPCL– RANCHO CORDOVA, CA		
CONSTITUENT	REPORTING LIMIT	CONCENTRATION (UG/L)
Leptophos	0.050	ND
Malathion	0.050	ND
Methidathion	0.050	ND
Parathion, Methyl	0.050	ND
Parathion, Ethyl	0.050	ND
Phorate	0.100	ND
Mevinphos	0.050	ND
Phosmet	0.100	ND
Phosphamidon	0.050	ND
Ethoprop	0.050	ND
Sulfotep	0.050	ND
Bolstar	0.050	ND
Terbufos	0.050	ND
Tetrachlorvinphos	0.050	ND
Thionazin	0.050	ND
Tokuthion	0.050	ND
Merphos	0.050	ND
Trichlorfon	0.050	ND
Trichloronate	0.050	ND

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PCB ANALYSIS DFG-WPCL– RANCHO CORDOVA, CA		
CONSTITUENT	REPORTING LIMIT	CONCENTRATION (UG/L)
PCB 005	0.002	ND
PCB 008	0.002	ND
PCB 015	0.002	ND
PCB 018	0.002	ND
PCB 027	0.002	ND
PCB 028	0.002	ND
PCB 029	0.002	ND
PCB 031	0.002	ND
PCB 033	0.002	ND
PCB 044	0.002	ND
PCB 049	0.002	ND
PCB 052	0.002	ND
PCB 056	0.002	ND
PCB 060	0.002	ND
PCB 066	0.002	ND
PCB 070	0.002	ND
PCB 074	0.002	ND
PCB 077	0.002	ND
PCB 087	0.002	ND
PCB 095	0.002	ND

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PCB ANALYSIS DFG-WPCL– RANCHO CORDOVA, CA		
CONSTITUENT	REPORTING LIMIT	CONCENTRATION (UG/L)
PCB 097	0.002	ND
PCB 099	0.002	ND
PCB 101	0.002	ND
PCB 105	0.002	ND
PCB 110	0.002	ND
PCB 114	0.002	ND
PCB 118	0.002	ND
PCB 126	0.002	ND
PCB 128	0.002	ND
PCB 137	0.002	ND
PCB 138	0.002	ND
PCB 141	0.002	ND
PCB 149	0.002	ND
PCB 151	0.002	ND
PCB 153	0.002	ND
PCB 156	0.002	ND
PCB 157	0.002	ND
PCB 158	0.002	ND
PCB 170	0.002	ND
PCB 174	0.002	ND

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PCB ANALYSIS DFG-WPCL– RANCHO CORDOVA, CA		
CONSTITUENT	REPORTING LIMIT	CONCENTRATION (UG/L)
PCB 177	0.002	ND
PCB 180	0.002	ND
PCB 183	0.002	ND
PCB 187	0.002	ND
PCB 189	0.002	ND
PCB 194	0.002	ND
PCB 195	0.002	ND
PCB 200	0.002	ND
PCB 201	0.002	ND
PCB 203	0.002	ND
PCB 206	0.002	ND
PCB 209	0.002	ND
PCB AROCLOR 1248	2.50	ND
PCB AROCLOR 1254	1.00	ND
PCB AROCLOR 1260	1.00	ND