Attachment Four

(Regional Board Water Quality Data
for New River at International Boundary)

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 1/7/97

Sampling Team: Rafael Molina and Charles Springer

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
700	100	13.0	7.6	1.1	5670	<0.1	<0.1	<0.1
800	99	12.9	7.6	1.1	5730	<0.1	<0.1	<0.1
900	99	13.0	7.6	1.3	5760	<0.1	<0.1	0.1
1000	99	13.3	7.0	1.3	5810	0.1	0.1	0.1
1100	99	13.7	7.6	1.2	5780	<0.1	<0.1	<0.1
1200	98	14.1	7.6	1.3	5780	<0.1	<0.1	<0.1
1300	98	14.2	7.6	1.2	5830	0.1	0.1	0.1
1400	101	14.4	7.6	1.1	5840	<0.1	-	-
Avg.[3]	99	13.6	7.5	1.2	5775	<0.1	<0.1	<0.1
Avg.[4]	164	24.1	7.5	0.7	4741	<0.1	<0.1	<0.1
Max.[5]	298	32.9	7.8	3.8	5840	0.1	0.2	0.2
Min.[5]	98	12.9	6.7	0.0	3040	<0.1	<0.1	<0.1

Observations:

0700 - Air temp is 8 °C, water color is green/gray. Sky is clear and sunny, there is no foul odor from River, no foam.

0800 - No changes, air temp is 9 °C.

0900 - River water is a little greener than before, there's a slight breeze < 5 mph from the NW. Air temp is 14 °C. Water level seems to be lower than usual.

1000 - Air temp is 16 °C, water color is a milky green/gray. It is much windier than before, with gusts up to 20 mph.

1100 - Air temp is 19 °C. No other changes.

1200 - Air temp is 18 °C. Water is darker than @ 1000. No other changes.

1300 - No changes, air temp is 18 °C.

1400 - Same as above.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[3] Average of above data

[4] Average of data for past 12 months

[5] Maximum and minimum values for the past 12 months.

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COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 1/7/97

Laboratory: California Department of Health Services

Constituent[1]	Storet Code	US EPA Method	Reporting Limits	Results	Ave.[2]	Max.[2]	Min.[2]	Units
MBAS	38260	425.1	0.025	2.65	2.10	3.67	0.550	mg/l
Total Phosphate as P	665	365.2	0.01	4.3	2.31	4.3	1.13	mg/l
Phenol	32730	420.1	0.002	0.01	0.006	0.013	ND	mg/l
Cyanide	720	335.2	0.01	0.01	0.01	0.02	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	10.6	7.3	11.2	4.3	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	ND	0.2	0.8	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	ND	0.02	0.1	ND	mg/l
Hardness as ($CaCO_3$)	900	130.2	1	1040	885	1040	725	mg/l
Total Alkalinity as ($CaCO_3$)	410	310.1	1	337	290	337	225	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	3480	2992	3480	2440	mg/l
Total Suspended Solids	530	160.2	10	20	28	51	16	mg/l
Turbidity	82079	180.1	0.1	25.8	18	38	8.2	NTU
BOD_5 @ 20°C	310	410.4	2	26	21	36	12	mg/l
COD	340	405.1	5	56	68	92	48	mg/l

Constituent[1]	Storet Code	Method	Reporting Limits		Results	Ave.[2]	Max.[2]	Min.[2]	Units
			Graphite	Flame					
As-Arsenic	1002	A.A.	2	-	5	6	9	3	µg/l
Cd-Cadnium	1027	A.A.	1	50	ND	0	1.5	ND	µg/l
Cr-Chromium	1034	A.A.	10	100	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	50	ND	1	15	ND	µg/l
Pb-Lead	1051	A.A.	10	200	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	ND	16	80	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	µg/l

[1] Composite of eight grab samples collected @ 60 minute intervals.

[2] Ave, max, & min values for the past 12 months

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 1/7/97

Laboratory: California Department of Health Services

Turbidity[1]	Storet Code	US EPA Method	Reporting Limits	Results	Ave.[2]	Max.[2]	Min.[2]	Units
700	82079	180.1	0.1	18	15.1	40.0	7.6	NTU
800	82079	180.1	0.1	25	16.8	55.0	7.0	NTU
900	82079	180.1	0.1	20	14.8	46.0	7.1	NTU
1000	82079	180.1	0.1	19	16.0	48.0	6.7	NTU
1100	82079	180.1	0.1	21	15.3	44.0	7.0	NTU
1200	82079	180.1	0.1	23	17.4	40.0	8.2	NTU
1300	82079	180.1	0.1	16	18.6	55.0	7.9	NTU
1400	82079	180.1	0.1	14	17.0	37.0	7.3	NTU

Fecal Coliform[1,3]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	260,000	260,000	2,400,000	8,000	MPN/100ml
1200	316315	300,000	300,000	5,000,000	20,000	MPN/100ml
1300	316315	500,000	300,000	16,000,000	40,000	MPN/100ml
1400	316315	500,000	225,000	16,000,000	40,000	MPN/100ml

[1] Grab sample taken at the indicated time

[2] Ave, median, max, & min values for the past 12 months

[3] Analyzed by the Multiple Tube Fermentation Method

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Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	0.51	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	1.0	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

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Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	1.1	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	0.70	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 0900

ND = Not Detected

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Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
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Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	1.5	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	0.8	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	1.3	0.5	µg/l
o-Xylene	77135	0.74	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 1200

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 2/4/97

Sampling Team: Rafael Molina and Charles Springer

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
700	212	15.4	7.4	0.2	3460	0.1	0.1	0.1
800	214	15.4	7.4	0.4	3450	0.1	0.1	0.1
900	216	15.6	7.4	0.4	3500	<0.1	<0.1	0.1
1000	217	15.9	7.4	0.5	3430	<0.1	0.1	0.1
1100	219	16.3	7.4	0.7	3440	<0.1	<0.1	0.1
1200	220	16.7	7.4	0.5	3430	<0.1	0.1	0.1
1300	221	17.1	7.4	0.7	3440	<0.1	<0.1	0.1
1400	221	17.3	7.4	0.2	3440	0.1	-	-
Avg.[3]	218	16.2	7.4	0.4	3449	<0.1	<0.1	<0.1
Avg.[4]	168	24.0	7.5	0.6	4614	<0.1	<0.1	0.1
Max.[5]	298	32.9	7.8	3.8	5840	0.1	0.2	0.2
Min.[5]	98	12.9	6.7	0.0	3040	<0.1	<0.1	<0.1

Observations:

0700 - The sky is cloudy, air temp is 10 °C. New River water is dark gray in color, water elevation is higher than recent times. There is also the usual foul odor associated with this location. Very little foam on River's surface.

0800 - There is a slight breeze <5 mph from the North. Air temp is 14 °C. No other changes.

0900 - River water seems darker than before. Air temp is 18 °C. No other changes.

1000 - The sky is sunny, air temp is 21 °C. The breeze is stronger than before. No other changes.

1100 - Air temp is 22 °C. No other changes.

1200 - Air temp is 24 °C. No other changes.

1300 - The sky is partly cloudy. Air temp is 24 °C. No other changes.

1400 - Air temp is 25 °C. Water level is higher than at 0700. No other changes.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[3] Average of above data

[4] Average of data for past 12 months

[5] Maximum and minimum values for the past 12 months.

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MBAS	38260	425.1	0.025	1.48	1.84	3.52	0.870	mg/l
Total Phosphate as P	665	365.2	0.01	2.4	2.39	4.3	1.13	mg/l
Phenol	32730	420.1	0.002	0.008	0.005	0.013	ND	mg/l
Cyanide	720	335.2	0.01	0.01	0.01	0.02	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	7.3	7.1	11.2	4.3	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	ND	0.3	1.5	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	ND	0.02	0.2	ND	mg/l
Hardness as ($CaCO_3$)	900	130.2	1	709	853	1040	709	mg/l
Total Alkalinity as ($CaCO_3$)	410	310.1	1	269	291	337	263	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2350	2865	3480	2350	mg/l
Total Suspended Solids	530	160.2	10	26	30	51	14	mg/l
Turbidity	82079	180.1	0.1	13.8	17	38	6	NTU
BOD_5 @ 20°C	310	410.4	2	16	20	36	11	mg/l
COD	340	405.1	5	56	65	92	38	mg/l

Constituent[1]	Storet Code	Method	Reporting Limits		Results	Ave.[2]	Max.[2]	Min.[2]	Units
			Graphite	Flame					
As-Arsenic	1002	A.A.	2	-	3	6	9	3	µg/l
Cd-Cadnium	1027	A.A.	1	50	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	100	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	50	ND	2	15	ND	µg/l
Pb-Lead	1051	A.A.	10	200	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	ND	16	80	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	µg/l

[1] Composite of eight grab samples collected @ 60 minute intervals.

[2] Ave, max, & min values for the past 12 months

ND = Not Detected

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Turbidity[1]	Storet Code	US EPA Method	Reporting Limits	Results	Ave.[2]	Max.[2]	Min.[2]	Units
700	82079	180.1	0.1	9	15.5	40.0	5.0	NTU
800	82079	180.1	0.1	8	16.8	55.0	6.0	NTU
900	82079	180.1	0.1	10	16.5	46.0	7.3	NTU
1000	82079	180.1	0.1	12	15.9	48.0	6.0	NTU
1100	82079	180.1	0.1	14	17.1	44.0	5.0	NTU
1200	82079	180.1	0.1	13	20.0	40.0	9.1	NTU
1300	82079	180.1	0.1	14	19.6	55.0	6.0	NTU
1400	82079	180.1	0.1	22	19.4	37.0	8.7	NTU

Fecal Coliform[1,3]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	300,000	300,000	2,400,000	80,000	MPN/100ml
1200	316315	500,000	415,000	5,000,000	80,000	MPN/100ml
1300	316315	230,000	400,000	16,000,000	40,000	MPN/100ml
1400	316315	300,000	285,000	16,000,000	40,000	MPN/100ml

[1] Grab sample taken at the indicated time

[2] Ave, median, max, & min values for the past 12 months

[3] Analyzed by the Multiple Tube Fermentation Method

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 2/4/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.97	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 2/4/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	1.7	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	0.7	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	1.2	0.5	µg/l
o-Xylene	77135	0.61	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 0900

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 2/4/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	0.52	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	0.63	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	1.3	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 2/4/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	0.80	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Napthalene	34696	0.72	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	2.8	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	1.7	0.5	µg/l
1,3,5-Trimethylbenzene	77226	0.54	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	2.0	0.5	µg/l
o-Xylene	77135	1.1	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 1200

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/18/97

Sampling Team: Rafael Molina and Charles Springer

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
700	214	19.5	7.4	0.2	4250	<0.1	0.1	0.1
800	213	19.7	7.4	0.2	4270	<0.1	0.1	0.1
900	212	20.1	7.4	0.1	4250	0.1	0.1	0.1
1000	212	20.7	7.4	0.1	4230	<0.1	<0.1	<0.1
1100	212	21.2	7.4	0.1	4280	<0.1	0.1	0.1
1200	213	21.7	7.4	0.0	4260	0.1	0.1	0.2
1300	238	22.1	7.4	0.0	4190	0.1	0.1	0.2
1400	238	22.4	7.4	0.0	4160	0.2	-	-
Avg.[3]	219	20.9	7.4	0.1	4236	<0.1	0.1	0.1
Avg.[4]	166	24.2	7.5	0.4	4580	<0.1	<0.1	0.1
Max.[5]	298	32.9	7.8	3.8	5840	0.1	0.2	0.2
Min.[5]	98	12.9	6.7	0.0	3040	<0.1	<0.1	<0.1

Observations:

0700 - New River water color is green/brown. Water level is relatively higher than usual. There is no foam on River surface. The sky is sunny and clear, with a slight breeze from the NW. There is no noticeable odor at the sampling site. Air temp is 17 °C (in the shade).

0800 - No changes. Air temp is 29 °C.
Water color is a pea-green/gray.

0900 - Water color is gray, no other changes, air temp is 29 °C.

1000 - No changes, air temp is 30 °C.

1100 - Water color is a dark gray. No fish or turtles have been seen. Air temp is 32 °C.

1200 - Water color is black, water elevation has risen approximately 6 inches. Air temp is 34 °C.

1300 - Water color is darker than before (1200). Fresh fecal matter can be seen regularly. Air temp is 35 °C.

1400 - Water is darker than before (1300), even more floating fecal matter than above. Air temp is 33 °C.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[3] Average of above data

[4] Average of data for past 12 months

[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/18/97

Laboratory: California Department of Health Services

Constituent[1]	Storet Code	US EPA Method	Reporting Limits	Results	Ave.[2]	Max.[2]	Min.[2]	Units
MBAS	38260	425.1	0.025	1.16	1.97	3.52	0.880	mg/l
Total Phosphate as P	665	365.2	0.01	2.3	2.42	4.3	1.13	mg/l
Phenol	32730	420.1	0.002	0.003	0.005	0.013	ND	mg/l
Cyanide	720	335.2	0.01	ND	0.01	0.02	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	7.2	7.3	11.2	4.3	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	1.5	0.3	1.5	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	0.2	0.02	0.2	ND	mg/l
Hardness as ($CaCO_3$)	900	130.2	1	845	865	1040	709	mg/l
Total Alkalinity as ($CaCO_3$)	410	310.1	1	293	287	337	225	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2770	2909	3480	2350	mg/l
Total Suspended Solids	530	160.2	10	51	31	51	16	mg/l
Turbidity	82079	180.1	0.1	21	19	38	8.2	NTU
BOD_5 @ 20°C	310	410.4	2	20	21	36	12	mg/l
COD	340	405.1	5	50	66	92	48	mg/l

Constituent[1]	Storet Code	Method	Reporting Limits		Results	Ave.[2]	Max.[2]	Min.[2]	Units
			Graphite	Flame					
As-Arsenic	1002	A.A.	2	-	6	6	9	3	µg/l
Cd-Cadnium	1027	A.A.	1	50	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	100	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	50	10	2	15	ND	µg/l
Pb-Lead	1051	A.A.	10	200	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	ND	16	80	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	µg/l

[1] Composite of eight grab samples collected @ 60 minute intervals.

[2] Ave, max, & min values for the past 12 months

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/18/97

Laboratory: California Department of Health Services

Turbidity[1]	Storet Code	US EPA Method	Reporting Limits	Results	Ave.[2]	Max.[2]	Min.[2]	Units
700	82079	180.1	0.1	17	15.8	40.0	7.6	NTU
800	82079	180.1	0.1	13	17.0	55.0	7.6	NTU
900	82079	180.1	0.1	21	15.8	46.0	7.3	NTU
1000	82079	180.1	0.1	14	16.5	48.0	6.7	NTU
1100	82079	180.1	0.1	27	17.3	44.0	7.0	NTU
1200	82079	180.1	0.1	30	19.1	40.0	9.1	NTU
1300	82079	180.1	0.1	29	20.1	55.0	8.9	NTU
1400	82079	180.1	0.1	18	18.4	37.0	7.3	NTU

Fecal Coliform[1,3]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	500,000	300,000	2,400,000	8,000	MPN/100ml
1200	316315	500,000	315,000	5,000,000	20,000	MPN/100ml
1300	316315	300,000	300,000	16,000,000	40,000	MPN/100ml
1400	316315	270,000	270,000	16,000,000	40,000	MPN/100ml

[1] Grab sample taken at the indicated time

[2] Ave, median, max, & min values for the past 12 months

[3] Analyzed by the Multiple Tube Fermentation Method

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/18/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	0.67	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.97	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

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WATER ANALYSIS

Date Sampled: 3/18/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	0.71	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	1.9	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	0.98	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	1.3	0.5	µg/l
o-Xylene	77135	0.69	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 0900

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/18/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	0.76	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	0.83	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	1.3	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/18/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	0.72	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	1.1	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Napthalene	34696	0.80	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	0.57	0.5	µg/l
Toluene	34010	3.9	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	2.0	0.5	µg/l
1,3,5-Trimethylbenzene	77226	0.61	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	2.6	0.5	µg/l
o-Xylene	77135	1.4	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 1200

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 4/15/97

Sampling Team: Ron Rodriguez, Charles Springer and Rafael Molina

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	271	21.1	7.3	0.7	4090	<0.1	<0.1	0.1
0800	270	21.0	7.3	0.7	4090	<0.1	<0.1	<0.1
0900	262	21.1	7.3	0.9	4210	<0.1	<0.1	<0.1
1000	258	21.3	7.3	1.2	4230	<0.1	<0.1	<0.1
1100	257	21.6	7.3	1.5	4220	<0.1	<0.1	<0.1
1200	257	22.0	7.3	1.2	4220	<0.1	<0.1	<0.1
1300	257	22.5	7.4	1.4	4210	<0.1	<0.1	<0.1
1400	258	22.8	7.4	1.6	4210	<0.1	<0.1	<0.1
Avg.[3]	261	21.7	7.3	1.1	4185	<0.1	<0.1	<0.1
Avg.[4]	172	24.2	7.5	0.4	4524	<0.1	<0.1	0.1
Max.[5]	298	32.9	7.8	3.8	5840	0.2	0.2	0.2
Min.[5]	98	12.9	6.7	0.0	3040	<0.1	<0.1	<0.1

Observations:

0700 - Water dark green, light foam, air temp is 20 °C, clear sky, no wind.
0800 - Water elevation is relatively high; air temp is 23 °C. No other changes.
0900 - Air temp is 30 °C. New River water color is green/brown. No other changes.
1000 - Air temp is 30 °C. Slight breeze < 5 mph from MW. No other changes.
1100 - Air temp is 34 °C. Water color is milky-green. No other changes.
1200 - Air temp is 33 °C. No other changes.
1300 - Air temp is 34 °C. No other changes.
1400 - Air temp is 37 °C. Water color is green-gray.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.
[3] Average of above data
[4] Average of data for past 12 months
[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 4/15/97

Sampling Team: Ron Rodriguez, Charles Springer and Rafael Molina

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
1500	258	23.1	7.4	1.4	4200	<0.1	<0.1	<0.1
1600	258	23.3	7.4	1.1	4190	<0.1	<0.1	0.1
1700	256	23.3	7.4	0.8	4220	<0.1	<0.1	0.1
1800	255	23.2	7.4	0.5	4260	<0.1	<0.1	0.1
1900	252	23.0	7.4	0.4	4290	<0.1	<0.1	<0.1
2000	251	22.7	7.4	0.3	4310	<0.1	<0.1	0.1
2100	250	22.5	7.4	0.4	4310	<0.1	<0.1	0.1
2200	250	22.3	7.4	0.4	4330	<0.1	<0.1	0.1
Avg.[3]	254	22.9	7.4	0.6	4264	<0.1	<0.1	0.1

Observations:

1500 - Air temp is 33 °C, sky clear, slight breeze, water is dark green, no foam.
1600 - Air temp is 33 °C. Water is gray to dark green. No other changes.
1700 - Air temp is 33 °C. Water is dark gray to dark green. One 3-inch dead fish was observed floating.
1800 - Air temp is 32 °C. Water is dark green. No breeze.
1900 - Air temp is 30 °C. Sky is clear, sun is setting. No other changes.
2000 - Air temp is 27 °C, nighttime, water color is not discernable.
2100 - Air temp is 26 °C, nighttime, water color is not discernable.
2200 - Air temp is 22 °C, nighttime, water color is not discernable.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.
[3] Average of above data

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 4/15-4/16/97

Sampling Team: Ron Rodriguez, Charles Springer and Rafael Molina

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
2300	249	22.0	7.4	0.4	4360	<0.1	<0.1	<0.1
0000	249	21.8	7.4	0.4	4370	<0.1	0.2	0.2
0100	250	22.0	7.4	0.3	4380	0.1	0.1	0.1
0200	256	22.5	7.4	0.2	4310	0.1	0.1	0.1
0300	260	22.5	7.4	0.3	4260	0.1	0.1	0.1
0400	262	22.4	7.4	0.3	4240	0.1	0.2	0.2
0500	261	22.2	7.4	0.5	4290	0.1	0.2	0.2
0600	255	22.0	7.4	0.4	4370	-	-	-
Avg.[3]	255	22.2	7.4	0.3	4323	<0.1	<0.1	0.1
Avg.[†]	257	22.3	7.4	0.7	4257	<0.1	<0.1	0.1

Observations:

2300 - Air temp is 23 °C, water color is not discernable, no foam.
0000 - Air temp is 23 °C, water color is not discernable, no foam, no breeze.
0100 - Air temp is 19 °C, water color is not discernable, no foam, no breeze.
0200 - Air temp is 16 °C, water color is not discernable, no foam, no breeze.
0300 - Air temp is 15 °C, water color is not discernable, no foam, no breeze.
0400 - Air temp is 15 °C, water color is not discernable, no foam, no breeze.
0500 - Air temp is 16 °C, water color is not discernable, no foam, no breeze, strong odor.
0600 - Air temp is 14 °C, water color is olive green, light foam.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[3] Average of above data

[†] Average of 24-hr sampling period.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 4/15-4/16/97

Laboratory: *California Department of Health Services*

Constituent[1]	Storet Code	US EPA Method	Reporting Limits	Results[2] (8-hr Comp.)	Results[3] (24-hr Comp.)	Ave.[4]	Max.[4]	Min.[4]	Units
MBAS	38260	425.1	0.025	0.87	1.45	1.84	3.52	0.870	mg/l
Total Phosphate as P	665	365.2	0.01	1.82	2.01	2.39	4.3	1.13	mg/l
Phenol	32730	420.1	0.002	0.007	0.007	0.005	0.013	ND	mg/l
Cyanide	720	335.2	0.01	ND	ND	0.01	0.02	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	4.6	5.1	7.1	11.2	4.3	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	ND	ND	0.3	1.5	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	ND	ND	0.02	0.2	ND	mg/l
Hardness as ($CaCO_3$)	900	130.2	1	851	881	853	1040	709	mg/l
Total Alkalinity as ($CaCO_3$)	410	310.1	1	280	289	291	337	263	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2810	2820	2865	3480	2350	mg/l
Total Suspended Solids	530	160.2	10	14	18	30	51	14	mg/l
Turbidity	82079	180.1	0.1	6.0	9.5	17	38	6	NTU
BOD_5 @ 20°C	310	410.4	2	11	12	20	36	11	mg/l
COD	340	405.1	5	38	39	65	92	38	mg/l

Constituent[1]	Storet Code	Method	Reporting Limits		Results[2] (8-hr Comp.)	Results[3] (24-hr Comp.)	Ave.[4]	Max.[4]	Min.[4]	Units
			Graphite	Flame						
As-Arsenic	1002	A.A.	2	-	6	4	6	9	3	µg/l
Cd-Cadnium	1027	A.A.	1	50	ND	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	100	ND	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	50	ND	ND	2	15	ND	µg/l
Pb-Lead	1051	A.A.	10	200	ND	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	ND	ND	16	80	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	ND	µg/l

[1] Composite of eight grab samples collected @ 60 minute intervals.

ND = Not Detected

[2] Resutls are from the 8-hr composite sample collected on 4/15/97 from 0700-1400.

[3] Resutls are from the 24-hr composite sample, and are not included in any calculations. The first sample was collected on 4/15 @ 0700, the last was collected on 4/16/97 @ 0600.

[4] Ave, max, & min values for the past 12 months

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 4/15-4/16/97

Laboratory: California Department of Health Services

Turbidity[1] 4/15/97	Storet Code	US EPA Method	Reporting Limits	Results	Ave.[2]	Max.[2]	Min.[2]	Units
700	82079	180.1	0.1	5	15.5	40.0	5.0	NTU
800	82079	180.1	0.1	6	16.8	55.0	6.0	NTU
900	82079	180.1	0.1	-	16.5	46.0	7.3	NTU
1000	82079	180.1	0.1	6	15.9	48.0	6.0	NTU
1100	82079	180.1	0.1	5	17.1	44.0	5.0	NTU
1200	82079	180.1	0.1	-	20.0	40.0	9.1	NTU
1300	82079	180.1	0.1	6	19.6	55.0	6.0	NTU
1400	82079	180.1	0.1	-	19.4	37.0	8.7	NTU

Fecal Coliform[1,3]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
4/15 - 1100	316315	80,000	300,000	2,400,000	80,000	MPN/100ml
4/15 - 1200	316315	80,000	415,000	5,000,000	80,000	MPN/100ml
4/15 - 1300	316315	40,000	400,000	16,000,000	40,000	MPN/100ml
4/15 - 1400	316315	70,000	285,000	16,000,000	40,000	MPN/100ml
4/16 - 0300	316315	300,000	-	-	-	MPN/100ml
4/16 - 0400	316315	170,000	-	-	-	MPN/100ml
4/16 - 0500	316315	230,000	-	-	-	MPN/100ml
4/16 - 0600	316315	400,000	-	-	-	MPN/100ml

[1] Grab sample taken at the indicated date/time

[2] Ave, median, max, & min values for the past 12 months

[3] Analyzed by the Multiple Tube Fermentation Method

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 4/15-4/16/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	4/15/97 0900[2]	4/15/97 1200[2]	4/15/97 1500[2]	4/15/97 1800[2]	4/15/97 2100[2]	4/16/97 0000[2]	4/16/97 0300[2]	4/16/97 0600[2]	Detection Limits	Units
Benzene	34030	ND	ND	ND	ND	0.51	ND	0.66	ND	0.5	µg/l
Bromobenzene	81555	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromochloromethane	A-012	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromodichloromethane	32101	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromoform	32104	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroethane	34311	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroform	32106	ND	ND	ND	ND	ND	ND	0.53	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromomethane	77596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND	ND	ND	ND	ND	0.78	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	ND	ND	ND	ND	0.51	0.57	0.90	ND	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 4/15-4/16/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	4/15/97 0900[2]	4/15/97 1200[2]	4/15/97 1500[2]	4/15/97 1800[2]	4/15/97 2100[2]	4/16/97 0000[2]	4/16/97 0300[2]	4/16/97 0600[2]	Detection Limits	Units
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethyl benzene	34371	ND	ND	ND	ND	ND	ND	0.53	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Napthalene	34696	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Propylbenzene	77224	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Styrene	77128	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 4/15-4/16/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	4/15/97 0900[2]	4/15/97 1200[2]	4/15/97 1500[2]	4/15/97 1800[2]	4/15/97 2100[2]	4/16/97 0000[2]	4/16/97 0300[2]	4/16/97 0600[2]	Detection Limits	Units
1,1,2,2-Tetrachloroethane	34516	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Toluene	34010	1.3	1.5	1.9	1.4	2.4	2.0	2.7	1.3	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	0.54	0.66	0.97	0.54	0.85	0.83	1.1	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
m,p-Xylenes	A-014	0.98	1.1	1.5	0.97	1.6	1.3	1.9	0.77	0.5	µg/l
o-Xylene	77135	0.52	0.66	0.91	0.55	0.90	0.77	1.1	ND	0.5	µg/l

[1] USEPA Method 524.2 ND = Not Detected

[2] Results are for each grab sample collected at the specified time/date, the first sample was collected @ 0900 on 4/15/97. The last was collected @ 0600 on 4

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 5/6/97

Sampling Team: Ray Lukens, Rafael Molina, Ron Rodriguez and Charles Springer

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	254	25.9	7.4	0.3	4280	0.1	0.1	0.1
0800	255	25.7	7.5	0.1	4280	<0.1	0.1	0.1
0900	254	25.6	7.4	0.4	4270	<0.1	<0.1	<0.1
1000	253	25.9	7.4	0.4	4370	<0.1	<0.1	<0.1
1100	252	26.1	7.4	0.4	4400	<0.1	<0.1	0.1
1200	252	26.5	7.4	0.9	4400	0.1	0.1	-
1300	254	26.9	7.4	1.4	4420	0.1	0.1	0.1
1400	256	27.3	7.5	1.7	4430	<0.1	<0.1	-
Avg.[3]	254	26.2	7.4	0.7	4356	<0.1	<0.1	0.1
Avg.[4]	170	24.1	7.5	0.4	4558	<0.1	<0.1	0.1
Max.[5]	298	32.9	7.8	3.8	5840	0.2	0.2	0.2
Min.[5]	98	12.9	6.7	0.0	3040	<0.1	<0.1	<0.1

Observations:

0700 - Water dark gray-green; no foam; sky clear; no wind

0800 - Water dark olive-green; no foam; same conditions; air temp is 28 °C.

0900 - Same conditions; air temp is 31 °C.

1000 - Same conditions; floating chunks of old algae; air temp is 34 °C.

1100 - Darker olive-green; no foam; weather same; floating chunks of old algae; air temp is 40 °C.

1200 - Same conditions; River level higher; air temp is 41 °C.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[3] Average of above data

[4] Average of data for past 12 months

[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 5/6/97

Sampling Team: Ray Lukens, Rafael Molina, Ron Rodriguez and Charles Springer

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
1500	257	27.7	7.5	0.1	4310	0.1	0.1	0.1
1600	258	28.0	7.5	0.7	4310	0.2	0.2	0.2
1700	258	28.1	7.5	1.5	4340	<0.1	0.1	0.1
1800	255	28.0	7.5	1.1	4380	0.1	0.1	0.2
1900	254	27.8	7.5	0.8	4380	0.1	0.1	0.2
2000	254	27.6	7.5	0.3	4370	0.1	0.1	0.1
2100	252	27.5	7.5	0.1	4340	0.2	0.2	0.2
2200	252	27.5	7.5	0.1	4340	0.1	0.2	0.2
Avg.[3]	255	27.8	7.5	0.6	4346	0.1	0.1	0.2

Observations:

1500 - Two live turtles; steady stream of light trash-floatables. Air temp is 45 °C; water dark brownish-green; more suspended solids.

1600 - Air temp is 42 °C; light trash; brownish-green; more suspended solids.

1700 - Air temp is 40 °C; one 3-inch dead fish; dark green, light trash.

1800 - Air temp is 36 °C; dark green; light trash.

1900 - Air temp is 34 °C; same conditions as at 1800.

2000 - No sunlight.

2200 - Light breeze, septic odor.

[1] *Reported by Imperial Irrigation District*

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[3] Average of above data

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 5/6-5/7/97

Sampling Team: Ray Lukens, Rafael Molina, Ron Rodriguez and Charles Springer

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
2300	251	27.4	7.6	0.0	4370	0.2	0.2	0.2
0000	250	27.3	7.6	0.1	4380	0.2	0.2	0.2
0100	253	26.8	7.6	0.1	4380	0.2	0.2	0.2
0200	256	26.1	7.5	0.0	4340	0.2	0.2	0.2
0300	255	25.8	7.5	0.0	4310	0.2	0.2	0.2
0400	251	25.5	7.5	0.1	4310	0.1	0.2	0.2
0500	245	25.1	7.5	0.3	4380	0.2	0.2	0.2
0600	244	24.6	7.4	0.2	4430	0.1	-	-
Avg.[3]	251	26.1	7.5	0.1	4363	0.2	0.2	0.2
Avg.[†]	253	26.7	7.5	0.5	4355	0.1	0.1	0.2

Observations:

2300 - Septic odor.
0000 - Breezy.
0200 - Breezy.
0300 - Air temp is 26 °C.
0400 - Air temp is 25 °C; light breeze.
0500 - Air temp is 25 °C; no breeze; lots of mosquitoes.
0600 - Air temp is 23 °C; fresh sewage odor; water olive-green; no breeze.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.
[3] Average of above data
[†] Average of 24-hr sampling period.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 5/6-5/7/97

Laboratory: California Department of Health Services

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1] (8-hr Comp.)	Results[2] (24-hr Comp.)	Ave.[3]	Max.[3]	Min.[3]	Units
MBAS	38260	425.1	0.025	0.426	0.608	1.31	3.18	0.025	mg/l
Total Phosphate as P	665	365.2	0.01	1.87	1.93	2.23	4.3	1.48	mg/l
Phenol	32730	420.1	0.002	0.009	0.009	0.009	0.029	ND	mg/l
Cyanide	720	335.2	0.01	0.01	0.01	0.00	0.01	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	4.4	4.9	5.7	10.6	3.8	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	ND	0.2	0.2	1.5	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	ND	ND	0.03	0.2	ND	mg/l
Hardness as ($CaCO_3$)	900	130.2	1	842	891	809	1040	645	mg/l
Total Alkalinity as ($CaCO_3$)	410	310.1	1	290	296	278	337	253	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2920	2980	2683	3480	1970	mg/l
Total Suspended Solids	530	160.2	10	34	57	65	206	10	mg/l
Turbidity	82079	180.1	0.1	12.7	14.3	17	27	6	NTU
BOD_5 @ 20°C	310	410.4	2	28	29	19	31	9	mg/l
COD	340	405.1	5	58	58	44	61	28	mg/l

Constituent	Storet Code	Method	Reporting Limits		Results[1] (8-hr Comp.)	Results[2] (24-hr Comp.)	Ave.[3]	Max.[3]	Min.[3]	Units
			Graphite	Flame						
As-Arsenic	1002	A.A.	2	-	8	8	7	11	3	µg/l
Cd-Cadmium	1027	A.A.	1	50	ND	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	100	ND	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	50	ND	ND	2	10	ND	µg/l
Pb-Lead	1051	A.A.	10	200	ND	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	57	ND	30	127	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	ND	µg/l

[1] Resutls are from the 8-hr composite sample collected on 5/6/97 from 0700-1400.

[2] Resutls are from the 24-hr composite sample collected on 5/6-5/7/97 from 0700-0600, and are not included in any calculations.

[3] Ave, max, & min values for the past 12 months

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 5/6-5/7/97

Laboratory: California Department of Health Services

Turbidity[1]	Storet Code	US EPA Method	Reporting Limits	Results	Ave.[2]	Max.[2]	Min.[2]	Units
700	82079	180.1	0.1	14	14.3	29	5	NTU
800	82079	180.1	0.1	14	14.9	33	6	NTU
900	82079	180.1	0.1	10	16.0	38	10	NTU
1000	82079	180.1	0.1	14	23.2	114	6	NTU
1100	82079	180.1	0.1	11	15.6	27	5	NTU
1200	82079	180.1	0.1	12	16.5	30	11	NTU
1300	82079	180.1	0.1	11	15.2	29	6	NTU
1400	82079	180.1	0.1	12	15.3	24	11	NTU

Laboratory: Regional Board

Fecal Coliform[1,3]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	130,000	170,000	500,000	20,000	MPN/100ml
1200	316315	120,000	265,000	500,000	40,000	MPN/100ml
1300	316315	80,000	170,000	500,000	40,000	MPN/100ml
1400	316315	130,000	180,000	500,000	20,000	MPN/100ml
0300	316315	270,000	-	-	-	MPN/100ml
0400	316315	3,000,000	-	-	-	MPN/100ml
0500	316315	270,000	-	-	-	MPN/100ml
0600	316315	130,000	-	-	-	MPN/100ml

[1] Grab sample taken at the indicated time

[2] Ave, median, max, & min values for the past 12 months

[3] Analyzed by the Multiple Tube Fermentation Method

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 5/6-5/7/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	5/6/97 0900[2]	5/6/97 1200[2]	5/6/97 1500[2]	5/6/97 1800[2]	5/6/97 2100[2]	5/7/97 0000[2]	5/7/97 0300[2]	Detection Limits	Units
Benzene	34030	ND	ND	0.79	ND	ND	ND	0.61	0.5	µg/l
Bromobenzene	81555	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromochloromethane	A-012	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromodichloromethane	32101	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromoform	32104	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroethane	34311	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroform	32106	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromomethane	77596	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.51	ND	0.62	ND	ND	ND	0.68	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 5/6-5/7/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	5/6/97 0900[2]	5/6/97 1200[2]	5/6/97 1500[2]	5/6/97 1800[2]	5/6/97 2100[2]	5/7/97 0000[2]	5/7/97 0300[2]	Detection Limits	Units
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethyl benzene	34371	ND	ND	0.57	ND	ND	ND	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Napthalene	34696	ND	ND	ND	ND	ND	ND	0.54	0.5	µg/l
n-Propylbenzene	77224	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Styrene	77128	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 5/6-5/7/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	5/6/97 0900[2]	5/6/97 1200[2]	5/6/97 1500[2]	5/6/97 1800[2]	5/6/97 2100[2]	5/7/97 0000[2]	5/7/97 0300[2]	Detection Limits	Units
1,1,2,2-Tetrachloroethane	34516	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Toluene	34010	1.2	ND	2.3	ND	1.0	0.72	4.1	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	ND	0.97	ND	ND	ND	1.1	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
m,p-Xylenes	A-014	1.0	ND	2.1	ND	ND	ND	1.8	0.5	µg/l
o-Xylene	77135	0.72	ND	1.4	ND	ND	ND	1.0	0.5	µg/l

ND = Not Detected

[1] USEPA Method 524.2

[2] Results are for each grab sample collected at the specified time/date, the first sample was collected @ 0900 on 5/6/97. The last was collected @ 0600 on 5/7/97.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 6/3/97

Sampling Team: Ray Lukens, Rafael Molina, Charles Springer and Robert Tucker

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min	20 min	30 min
0700	189	27.3	7.4	0.2	4200	<0.1	<0.1	<0.1
0800	188	27.2	7.5	0.5	4230	<0.1	<0.1	<0.1
0900	184	27.2	7.5	0.6	4300	<0.1	<0.1	<0.1
1000	180	27.4	7.5	0.7	4340	<0.1	<0.1	<0.1
1100	178	27.7	7.5	1.2	4350	<0.1	0.1	0.1
1200	177	28.2	7.5	1.6	4380	<0.1	<0.1	<0.1
1300	177	28.7	7.6	2.6	4410	<0.1	<0.1	<0.1
1400	178	29.1	7.6	3.3	4430	<0.1	-	-
Avg.[3]	181	27.8	7.5	1.3	4330	<0.1	<0.1	0.1
Avg.[4]	170	24.1	7.5	0.4	4558	<0.1	<0.1	0.1
Max.[5]	298	32.9	7.8	3.8	5840	0.2	0.2	0.2
Min.[5]	98	12.9	6.7	0.0	3040	<0.1	<0.1	<0.1

Observations:

0700 - New River water color is dark green, there is no foam on River's surface. There is a slight foul odor coming from River, there is no breeze, the sky is clear. Air temp is 25 °C.

0800 - No changes, air temp is 30 °C.

0900 - Very windy, gusts up to 20 mph from SW. Air temp is 34 °C.

1000 - New River water color is milky-green. Air temp is 35 °C.

1100 - Windy. Air temp is 40 °C.

1200 - Air temp is 43 °C, no other changes.

1300 - Slight foam on water surface, air temp is 40 °C. Breezy.

1400 - Same as above (1300), air temp is 41 °C.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[3] Average of above data

[4] Average of data for past 12 months

[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 6/3/97

Sampling Team: Ray Lukens, Rafael Molina, Ron Rodriguez and Charles Springer

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min	20 min	30 min
1500	180	29.6	7.7	3.1	4430	<0.1	<0.1	<0.1
1600	182	29.8	7.7	2.9	4400	<0.1	<0.1	<0.1
1700	184	30.0	7.7	2.2	4410	<0.1	<0.1	<0.1
1800	182	30.0	7.7	1.5	4400	<0.1	<0.1	<0.1
1900	185	29.7	7.6	0.0	4420	<0.1	<0.1	<0.1
2000	186	29.5	7.6	0.1	4400	<0.1	0.1	0.1
2100	187	29.4	7.6	0.1	4390	0.1	0.1	0.1
2200	191	29.3	7.6	0.0	4380	0.1	0.1	0.1
Avg.[3]	185	29.6	7.6	1.2	4404	<0.1	<0.1	<0.1

Observations:

1500 - New River water is green-gray in color. Air temp is 41 °C.
1600 - No changes.
1700 - Air temp is 43 °C, no other changes.
1800 - Air temp is 40 °C, no other changes.
1900 - Air temp is 37 °C. The sun has begun to set.
2000 - Air temp is 22 °C. The sun has set, odor from New River water has gotten stronger.
2200 - No wind, air temp is 28 °C.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.
[3] Average of above data

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 6/3-6/4/97

Sampling Team: Ray Lukens, Rafael Molina, Ron Rodriguez and Charles Springer

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min	20 min	30 min
2300	194	29.0	7.6	0.0	4310	-	-	0.1
0000	194	28.7	7.7	0.0	4320	-	-	0.2
0100	196	28.6	7.6	0.0	4290	-	0.2	0.2
0200	200	28.5	7.6	0.1	4210	-	-	0.2
0300	200	28.4	7.6	0.0	4200	0.1	0.2	0.2
0400*	198	28.2	7.6	0.0	4210	0.1	0.1	0.1
0500*	196	28.0	7.6	0.0	4220	0.1	0.1	0.1
0600*	195	27.8	7.6	0.1	4260	0.1	-	-
Avg.[3]	197	28.4	7.6	0.0	4253	0.1	0.1	0.2
Avg.[†]	188	28.6	7.6	0.9	4329	0.1	0.1	0.2

Observations:

2300 - Breezy, air temp is 29 °C, no foam.
0300 - Calm, air temp is 23 °C, no foam.
0400 - Slight breeze, no foam on River's surface.
0500 - The sun has begun to rise. No other changes.
0600 - No changes.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.
[3] Average of above data
[†] Average of 24-hr sampling period.
* Hydrolab swished through the water.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 6/3-6/4/97

Laboratory: California Department of Health Services

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[2] (8-hr Comp.)	Results[3] (24-hr Comp.)	Ave.[4]	Max.[4]	Min.[4]	Units
MBAS	38260	425.1	0.025	1.23	1.95	1.80	3.52	0.426	mg/l
Total Phosphate as P	665	365.2	0.01	2.30	2.06	2.44	4.3	1.13	mg/l
Phenol	32730	420.1	0.002	0.011	0.024	0.006	0.013	ND	mg/l
Cyanide	720	335.2	0.01	ND	ND	0.01	0.02	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	4.4	4.3	7.2	11.2	4.4	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	0.2	ND	0.3	1.5	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	ND	ND	0.02	0.2	ND	mg/l
Hardness as ($CaCO_3$)	900	130.2	1	889	889	862	1040	709	mg/l
Total Alkalinity as ($CaCO_3$)	410	310.1	1	281	283	294	337	269	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2940	2960	2905	3480	2350	mg/l
Total Suspended Solids	530	160.2	10	10	17	32	51	14	mg/l
Turbidity	82079	180.1	0.1	13.1	13.4	18	38	6	NTU
BOD_5 @ 20°C	310	410.4	2	19	23	22	36	11	mg/l
COD	340	405.1	5	41	36	66	92	38	mg/l

Constituent	Storet Code	Method	Reporting Limits		Results[2] (8-hr Comp.)	Results[3] (24-hr Comp.)	Ave.[4]	Max.[4]	Min.[4]	Units
			Graphite	Flame						
As-Arsenic	1002	A.A.	2	-	8	9	6	9	3	µg/l
Cd-Cadmium	1027	A.A.	1	50	ND	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	100	ND	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	50	ND	ND	ND	ND	ND	µg/l
Pb-Lead	1051	A.A.	10	200	ND	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	21	80	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	127	52	ND	ND	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	ND	µg/l

[1] Resutls are from the 8-hr composite sample collected on 6/3/97 from 0700-1400.

[2] Resutls are from the 24-hr composite sample collected on 6/3-6/4/97 from 0700-0600, and are not included in any calculations.

[3] Ave, max, & min values for the past 12 months

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 6/3-6/4/97

Laboratory: California Department of Health Services

Turbidity[1]	Storet Code	US EPA Method	Reporting Limits	Results	Ave.[2]	Max.[2]	Min.[2]	Units
700	82079	180.1	0.1	14	16.1	40	5	NTU
800	82079	180.1	0.1	13	17.3	55	6	NTU
900	82079	180.1	0.1	10	16.7	46	9	NTU
1000	82079	180.1	0.1	12	16.5	48	6	NTU
1100	82079	180.1	0.1	12	17.3	44	5	NTU
1200	82079	180.1	0.1	11	20.2	40	12	NTU
1300	82079	180.1	0.1	11	19.8	55	6	NTU
1400	82079	180.1	0.1	11	19.7	37	11	NTU

Laboratory: Regional Board

Fecal Coliform[1,3]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100 (6/3)	316315	170,000	300,000	2,400,000	80,000	MPN/100ml
1200	316315	130,000	415,000	5,000,000	80,000	MPN/100ml
1300	316315	170,000	400,000	16,000,000	40,000	MPN/100ml
1400	316315	40,000	285,000	16,000,000	70,000	MPN/100ml
0300 (6/4)	316315	300,000	-	-	-	MPN/100ml
0400	316315	2,400,000	-	-	-	MPN/100ml
0500	316315	500,000	-	-	-	MPN/100ml
0600	316315	800,000	-	-	-	MPN/100ml

[1] Grab sample taken at the indicated time

[2] Ave, median, max, & min values for the past 12 months

[3] Analyzed by the Multiple Tube Fermentation Method

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 6/3-6/4/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	6/3/97 0900[2]	6/3/97 1200[2]	6/3/97 1500[2]	6/3/97 1800[2]	6/3/97 2100[2]	6/4/97 0000[2]	6/4/97 0300[2]	6/4/97 0600[2]	Detection Limits	Units
Benzene	34030	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromobenzene	81555	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromochloromethane	A-012	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromodichloromethane	32101	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromoform	32104	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroethane	34311	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroform	32106	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromomethane	77596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.55	ND	ND	0.57	0.58	0.70	0.81	ND	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 6/3-6/4/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	6/3/97 0900[2]	6/3/97 1200[2]	6/3/97 1500[2]	6/3/97 1800[2]	6/3/97 2100[2]	6/4/97 0000[2]	6/4/97 0300[2]	6/4/97 0600[2]	Detection Limits	Units
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethyl benzene	34371	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Napthalene	34696	ND	ND	ND	ND	ND	ND	0.54	ND	0.5	µg/l
n-Propylbenzene	77224	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Styrene	77128	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 6/3-6/4/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	6/3/97 0900[2]	6/3/97 1200[2]	6/3/97 1500[2]	6/3/97 1800[2]	6/3/97 2100[2]	6/4/97 0000[2]	6/4/97 0300[2]	6/4/97 0600[2]	Detection Limits	Units
1,1,2,2-Tetrachloroethane	34516	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Toluene	34010	1.5	ND	ND	ND	ND	1.8	1.6	ND	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	3.2	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	ND	ND	ND	ND	0.89	1.0	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
m,p-Xylenes	A-014	0.90	ND	ND	ND	ND	1.4	1.7	ND	0.5	µg/l
o-Xylene	77135	0.56	ND	ND	ND	ND	0.88	1.0	ND	0.5	µg/l

ND = Not Detected

[1] USEPA Method 524.2

[2] Results are for each grab sample collected at the specified time/date, the first sample was collected @ 0900 on 6/3/97. The last was collected @ 0600 on 6/4/97.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 7/8/97

Sampling Team: Rafael Molina and Charles Springer

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	153	28.0	7.7	0.0	4510	<0.1	<0.1	<0.1
0800	152	27.7	7.7	0.0	4570	<0.1	<0.1	<0.1
0900	152	27.6	7.7	0.4	4680	<0.1	<0.1	<0.1
1000	157	28.0	7.7	0.0	4520	<0.1	<0.1	<0.1
1100	154	28.3	7.6	1.0	4610	<0.1	<0.1	<0.1
1200	151	28.7	7.6	1.4	4640	<0.1	0.1	0.1
1300	150	29.3	7.6	0.7	4760	<0.1	0.1	0.1
1400	-	29.7	7.6	1.0	4780	<0.1	-	-
Avg.[3]	153	28.4	7.6	0.6	4634	<0.1	<0.1	<0.1
Avg.[4]	170	24.0	7.5	0.4	4462	<0.1	<0.1	<0.1
Max.[5]	271	32.9	7.7	3.3	5840	0.2	0.2	0.2
Min.[5]	98	12.9	7.0	0.0	3040	<0.1	<0.1	<0.1

Observations:

0700 - Air temp is 28 °C. The sky is clear.

0800 - Water color is milky green/gray. Air temp is 32 °C.

0900 - Air temp is 35 °C. No other changes.

1000 - Water level seems lower than normal. There is no observed wildlife near the River. There is a slight breeze (5-10 mph E) Air temp is 36 °C.

1100 - Air temp is 39 °C. No other changes.

1200 - Air temp is 41 °C. No other changes.

1300 - Water color is green/brown. There is much debris and floating solids on the River. Air temp is 44 °C.

1400 - Air temp is 44 °C. No other changes.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[3] Average of above data

[4] Average of data for past 12 months

[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 7/8/97

Laboratory: California Department of Health Services

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
MBAS	38260	425.1	0.025	0.373	1.80	3.52	0.426	mg/l
Total Phosphate as P	665	365.2	0.01	2.93	2.44	4.3	1.13	mg/l
Phenol	32730	420.1	0.002	0.007	0.006	0.013	ND	mg/l
Cyanide	720	335.2	0.01	ND	ND	0.02	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	6.1	7.2	11.2	4.4	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	ND	0.3	1.5	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	ND	0.02	0.2	ND	mg/l
Hardness as ($CaCO_3$)	900	130.2	1	895	862	1040	709	mg/l
Total Alkalinity as ($CaCO_3$)	410	310.1	1	282	294	337	269	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	3070	2905	3480	2350	mg/l
Total Suspended Solids	530	160.2	10	35	32	51	14	mg/l
Turbidity	82079	180.1	0.1	27	18	38	6	NTU
BOD_5 @ 20°C	310	410.4	2	11	22	36	11	mg/l
COD	340	405.1	5	61	66	92	38	mg/l

Constituent	Storet Code	Method	Reporting Limits		Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
			Graphite	Flame					
As-Arsenic	1002	A.A.	2	-	9	6	9	3	µg/l
Cd-Cadmium	1027	A.A.	1	-	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	-	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	-	ND	2	15	ND	µg/l
Pb-Lead	1051	A.A.	10	-	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	ND	21	80	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	µg/l

[1] Composite of eight grab samples collected @ 60 minute intervals.

[2] Ave, max, & min values for the past 12 months

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 7/8/97

Laboratory: California Department of Health Services

Turbidity[1]	Storet Code	US EPA Method	Reporting Limits	Results	Ave.[2]	Max.[2]	Min.[2]	Units
700	82079	180.1	0.1	29	16.1	40	5	NTU
800	82079	180.1	0.1	33	17.3	55	6	NTU
900	82079	180.1	0.1	38	16.7	46	9	NTU
1000	82079	180.1	0.1	31	16.5	48	6	NTU
1100	82079	180.1	0.1	25	17.3	44	5	NTU
1200	82079	180.1	0.1	20	20.2	40	12	NTU
1300	82079	180.1	0.1	21	19.8	55	6	NTU
1400	82079	180.1	0.1	17	19.7	37	11	NTU

Laboratory: Regional Board

Fecal Coliform[1,3]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	300,000	300,000	2,400,000	80,000	MPN/100ml
1200	316315	300,000	415,000	5,000,000	80,000	MPN/100ml
1300	316315	130,000	400,000	16,000,000	40,000	MPN/100ml
1400	316315	230,000	285,000	16,000,000	70,000	MPN/100ml

[1] Grab sample taken at the indicated time

[2] Ave, median, max, & min values for the past 12 months

[3] Analyzed by the Multiple Tube Fermentation Method

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 7/8/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.89	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

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Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	1.1	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	0.53	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 0900

ND = Not Detected

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o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 1200
ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 8/5/97

Sampling Team: Rafael Molina and Charles Springer

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	-	31.0	7.8	0.0	4410	0.1	0.1	0.2
0800	-	31.1	7.8	0.0	4390	<0.1	<0.1	<0.1
0900	183	31.3	7.8	0.0	4360	<0.1	<0.1	<0.1
1000	184	31.6	7.8	0.1	4330	<0.1	0.1	0.1
1100	185	32.1	7.8	0.3	4320	<0.1	<0.1	<0.1
1200	185	32.6	7.8	0.6	4270	<0.1	0.1	0.1
1300	187	33.0	7.8	0.7	4280	<0.1	<0.1	<0.1
1400	189	33.4	7.8	0.5	4390	<0.1	-	-
Avg.[3]	186	32.0	7.8	0.3	4344	<0.1	<0.1	<0.1
Avg.[4]	174	24.0	7.5	0.5	4419	0.2	0.2	0.2
Max.[5]	271	33.4	7.8	3.3	5840	0.2	0.2	0.2
Min.[5]	98	12.9	7.0	0.0	3040	<0.1	<0.1	<0.1

Observations:

0700 - The sky is clear. Air temp is 35 °C. New River water color is green/gray. There is virtually no foam on the River's surface. Water elevation is about normal. There is no noticeable odor.

0800 - Air temp is 36 °C. No other changes.

0900 - Air temp is 39 °C. No other changes.

1000 - Air temp is 42 °C. No other changes.

1100 - Air temp is 44 °C. No other changes.

1200 - Air temp is 47 °C. No other changes.

1300 - There is a moderate amount of floating debris. Air temp is 47 °C. There is a slight breeze from the SE.

1400 - Air temp is 49 °C. No changes.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[3] Average of above data.

[4] Average of data for past 12 months.

[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 8/5/97

Laboratory: California Department of Health Services

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
MBAS	38260	425.1	0.025	1.38	1.80	3.52	0.426	mg/l
Total Phosphate as P	665	365.2	0.01	2.31	2.44	4.3	1.13	mg/l
Phenol	32730	420.1	0.002	0.029	0.006	0.013	ND	mg/l
Cyanide	720	335.2	0.01	ND	ND	0.02	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	4.5	7.2	11.2	4.4	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	ND	0.3	1.5	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	ND	0.02	0.2	ND	mg/l
Hardness as ($CaCO_3$)	900	130.2	1	810	862	1040	709	mg/l
Total Alkalinity as ($CaCO_3$)	410	310.1	1	277	294	337	269	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2930	2905	3480	2350	mg/l
Total Suspended Solids	530	160.2	10	42	32	51	14	mg/l
Turbidity	82079	180.1	0.1	18	18	38	6	NTU
BOD_5 @ 20°C	310	410.4	2	12	22	36	11	mg/l
COD	340	405.1	5	36	66	92	38	mg/l

Constituent	Storet Code	Method	Reporting Limits		Results	Ave.[2]	Max.[2]	Min.[2]	Units
			Graphite	Flame					
As-Arsenic	1002	A.A.	2	-	11	6	9	3	µg/l
Cd-Cadmium	1027	A.A.	1	-	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	-	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	-	ND	2	15	ND	µg/l
Pb-Lead	1051	A.A.	10	-	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	ND	21	80	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	µg/l

[1] Composite of eight grab samples collected @ 60 minute intervals.

[2] Ave, max, & min values for the past 12 months

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 8/5/97

Laboratory: California Department of Health Services

Turbidity[1]	Storet Code	US EPA Method	Reporting Limits	Results	Ave.[2]	Max.[2]	Min.[2]	Units
700	82079	180.1	0.1	20	16.1	40	5	NTU
800	82079	180.1	0.1	18	17.3	55	6	NTU
900	82079	180.1	0.1	16	16.7	46	9	NTU
1000	82079	180.1	0.1	14	16.5	48	6	NTU
1100	82079	180.1	0.1	12	17.3	44	5	NTU
1200	82079	180.1	0.1	13	20.2	40	12	NTU
1300	82079	180.1	0.1	16	19.8	55	6	NTU
1400	82079	180.1	0.1	15	19.7	37	11	NTU

Laboratory: Regional Board

Fecal Coliform[1,3]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	300,000	300,000	2,400,000	80,000	MPN/100ml
1200	316315	300,000	415,000	5,000,000	80,000	MPN/100ml
1300	316315	130,000	400,000	16,000,000	40,000	MPN/100ml
1400	316315	230,000	285,000	16,000,000	70,000	MPN/100ml

[1] Grab sample taken at the indicated time

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[3] Analyzed by the Multiple Tube Fermentation Method

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COLORADO RIVER BASIN REGION

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1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.67	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 8/5/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	1.2	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	0.86	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 1200
ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 9/16/97

Sampling Team: Rafael Molina and Charles Springer

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	269	29.1	8.0	0.1	3420	<0.1	0.1	0.1
0800	259	29.2	8.0	0.3	3430	0.1	0.1	0.1
0900	266	29.4	8.0	0.2	3590	<0.1	0.1	0.1
1000	279	29.6	8.0	0.1	3550	0.1	0.1	0.1
1100	279	29.8	8.0	0.2	3500	0.1	0.1	0.1
1200	277	30.0	8.0	0.2	3500	0.1	0.2	0.2
1300	277	30.5	8.0	0.3	3510	<0.1	<0.1	<0.1
1400	287	30.7	7.6	0.2	3500	<0.1	<0.1	<0.1
Avg.[3]	274	29.8	7.9	0.2	3500	<0.1	0.1	0.1
Avg.[4]	191	23.5	7.5	0.6	4280	<0.1	<0.1	<0.1
Max.[5]	287	33.4	8.0	3.3	5840	0.2	0.2	0.2
Min.[5]	98	12.9	6.9	0.0	2920	<0.1	<0.1	<0.1

Observations:

0700 - Air temp is 31 °C. Calm and partly cloudy. River color is pea green/gray. Water level is very high with a moderate amount of foam.

0800 - Less foam than above.

1000 - Water level has and color is green/brown. There is foam on River's surface. Air temp is 39 °C.

1100 - Air temp is 40 °C. There is a light breeze.

1200 - Water color is brown/green. Large amount of debris.

1300 - Water level is high. New River water color is brown in color. Air temp is 39 °C.

1400 - No changes.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[3] Average of above data.

[4] Average of data for past 12 months.

[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 9/16/97

Sampling Team: Orlando Gonzalez and Rafael Molina

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
1500	291	30.8	8.0	0.1	3460	<0.1	30 min.	<0.1
1600	293	30.9	8.0	0.0	3450	<0.1	0.1	0.1
1700	294	30.9	8.0	0.0	3470	<0.1	0.1	0.1
1800	294	30.9	7.9	0.0	3510	0.1	0.1	0.1
1900	294	30.9	8.0	0.0	3570	0.1	0.2	0.2
2000	295	30.8	8.0	0.0	3610	0.1	0.1	0.1
2100	299	30.6	8.0	0.0	3660	0.1	0.2	0.2
2200	299	30.5	8.0	0.0	3690	0.1	0.2	0.2
Avg.[3]	295	30.8	8.0	0.0	3553	<0.1	0.1	0.1

Observations:

1500 - Air temp is 40 °C. No other changes.

1600 - Air temp is 39 °C. Water color is olive green.

1700 - Air temp is 38 °C. There is less trash/debris than before.

1800 - Air temp is 36 °C. The sun has begun to set. Water level seems higher than before.

1900 - Air temp is 32 °C. The sun has set. Water color is no longer distinguishable.

2000 - Air temp is 32 °C. There is no breeze.

2100 - Air temp is 31 °C.

2200 - Same as above.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[3] Average of above data

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 9/16/97 - 9/17/97

Sampling Team: Rafael Molina and Charles Springer

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
2300	297	30.2	8.0	0.0	3820	0.1	30 min.	0.1
0000	301	30.0	8.0	0.0	3810	0.1	0.1	0.1
0100	299	29.9	8.0	0.0	3810	0.2	0.3	0.3
0200	298	29.7	8.0	0.0	3810	0.1	0.1	0.1
0300	301	29.7	8.0	0.0	3810	0.1	0.1	0.1
0400	303	29.7	8.0	0.0	3830	0.1	0.1	0.1
0500	299	29.6	8.0	0.2	3900	<0.1	0.1	0.1
0600	299	29.6	8.0	0.0	3940	-	-	-
Avg.[3]	300	29.8	8.0	0.0	3841	0.1	0.1	0.1

Observations:

0300 - Air temp is 29 °C. River current is very strong and level continues to rise.

0400 - Air temp is 30 °C. There is a slight septic odor.

0500 - Air temp is 28 °C. There is some foam on the River's surface.

0600 - Air temp is 24 °C. The sun has begun to rise. Water color is gray.

[1] Reported by Imperial Irrigation District

[2] *Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.*

[3] Average of above data

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 9/16-9/17/97

Laboratory: California Department of Health Services

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1] (8-hr Comp.)	Results[2] (24-hr Comp.)	Ave.[3]	Max.[3]	Min.[3]	Units
MBAS	38260	425.1	0.025	0.86	1.69	1.56	3.18	0.373	mg/l
Total Phosphate as P	665	365.2	0.01	1.64	1.66	2.36	4.3	1.48	mg/l
Phenol	32730	420.1	0.002	0.002	0.002	0.010	0.029	0.002	mg/l
Cyanide	720	335.2	0.01	NA	ND	ND	0.01	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	3.8	4.4	6.2	11.2	3.8	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	0.3	ND	0.2	1.5	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	ND	ND	0.02	0.2	ND	mg/l
Hardness as ($CaCO_3$)	900	130.2	1	790	810	831	1040	645	mg/l
Total Alkalinity as ($CaCO_3$)	410	310.1	1	253	244	283	337	253	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2530	2580	2753	3480	1970	mg/l
Total Suspended Solids	530	160.2	10	121	155	51	138	10	mg/l
Turbidity	82079	180.1	0.1	19.0	18	17	27	6	NTU
BOD_5 @ 20°C	310	410.4	2	9	10	18	28	9	mg/l
COD	340	405.1	5	36	35	50	91	33	mg/l

Constituent	Storet Code	Method	Reporting Limits		Results[1] (8-hr Comp.)	Results[2] (24-hr Comp.)	Ave.[3]	Max.[3]	Min.[3]	Units
			Graphite	Flame						
As-Arsenic	1002	A.A.	2	-	9	10	7	11	3	µg/l
Cd-Cadmium	1027	A.A.	1	50	ND	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	100	ND	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	50	ND	13	ND	ND	ND	µg/l
Pb-Lead	1051	A.A.	10	200	ND	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	37	127	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	ND	55	ND	ND	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	ND	µg/l

[1] Resutls are from the 8-hr composite sample collected on 9/16/97 from 0700-1400.

[2] Resutls are from the 24-hr composite sample collected on 9/16-9/17/97 from 0700-0600, and are not included in any calculations.

[3] Ave, max, & min values for the past 12 months

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA

WATER ANALYSIS

Date Sampled: 9/16-9/17/97

Laboratory: California Department of Health Services

Turbidity[1]	Storet Code	US EPA Method	Reporting Limits	Results	Ave.[2]	Max.[2]	Min.[2]	Units
700	82079	180.1	0.1	18	16.1	29	5	NTU
800	82079	180.1	0.1	18	16.4	33	6	NTU
900	82079	180.1	0.1	16	16.8	38	10	NTU
1000	82079	180.1	0.1	19	15.8	31	6	NTU
1100	82079	180.1	0.1	13	15.7	27	5	NTU
1200	82079	180.1	0.1	13	18.3	40	11	NTU
1300	82079	180.1	0.1	14	18.2	55	6	NTU
1400	82079	180.1	0.1	12	17.5	37	11	NTU

Laboratory: Regional Board

Fecal Coliform[1,3]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100 (9/16)	316315	170,000	215,000	500,000	80,000	MPN/100ml
1200	316315	300,000	300,000	700,000	80,000	MPN/100ml
1300	316315	170,000	200,000	500,000	40,000	MPN/100ml
1400	316315	110,000	230,000	500,000	40,000	MPN/100ml
0300 (9/17)	316315	130,000	-	-	-	MPN/100ml
0400	316315	80,000	-	-	-	MPN/100ml
0500	316315	80,000	-	-	-	MPN/100ml
0600	316315	80,000	-	-	-	MPN/100ml

[1] Grab sample taken at the indicated time

[2] Ave, median, max, & min values for the past 12 months

[3] Analyzed by the Multiple Tube Fermentation Method

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 9/16-9/17/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	9/16/97 0900[2]	9/16/97 1200[2]	9/16/97 1500[2]	9/26/97 1800[2]	9/16/97 2100[2]	9/17/97 0000[2]	9/17/97 0300[2]	9/17/97 0600[2]	Detection Limits	Units
Benzene	34030	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromobenzene	81555	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromochloromethane	A-012	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromodichloromethane	32101	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromoform	32104	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroethane	34311	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroform	32106	ND	0.79	0.73	0.88	0.78	0.7	0.8	0.54	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromomethane	77596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.65	0.59	0.71	0.68	0.73	0.68	0.67	ND	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 9/16-9/17/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	9/16/97 0900[2]	9/16/97 1200[2]	9/16/97 1500[2]	9/26/97 1800[2]	9/16/97 2100[2]	9/17/97 0000[2]	9/17/97 0300[2]	9/17/97 0600[2]	Detection Limits	Units
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethyl benzene	34371	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND	ND	0.58	ND	ND	ND	ND	0.5	µg/l
Napthalene	34696	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Propylbenzene	77224	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Styrene	77128	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 9/16-9/17/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	9/16/97 0900[2]	9/16/97 1200[2]	9/16/97 1500[2]	9/26/97 1800[2]	9/16/97 2100[2]	9/17/97 0000[2]	9/17/97 0300[2]	9/17/97 0600[2]	Detection Limits	Units
1,1,1,2-Tetrachloroethane	77562	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Toluene	34010	1.7	0.81	1.6	1.5	1.7	1.1	1.9	1.5	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	ND	ND	ND	ND	ND	0.6	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
m,p-Xylenes	A-014	0.76	0.57	0.73	0.77	0.75	0.56	0.94	0.55	0.5	µg/l
o-Xylene	77135	ND	ND	ND	ND	ND	ND	0.5	ND	0.5	µg/l

ND = Not Detected

[1] USEPA Method 524.2

[2] Results are for each grab sample collected at the specified time/date, the first sample was collected @ 0900 on 9/16/97. The last was collected @ 0600 on 9/17/97.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 10/21/97

Sampling Team: Orlando Gonzalez and Charles Springer

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	230	21.5	6.9	0.8	2950	<0.1	<0.1	0.1
0800	225	21.3	6.9	0.8	3010	<0.1	<0.1	<0.1
0900	222	21.3	7.0	0.9	3010	<0.1	<0.1	0.1
1000	223	21.4	7.0	1.0	2920	0.3	0.4	0.5
1100	226	21.6	7.0	0.7	2930	0.5	0.6	0.7
1200	236	21.9	7.0	0.5	2990	0.5	0.5	0.6
1300	243	22.3	7.0	0.7	2970	0.2	0.2	0.2
1400	223	22.4	7.0	0.9	2960	0.1	-	-
Avg.[3]	229	21.7	7.0	0.8	2968	0.2	0.2	0.3
Avg.[4]	191	23.5	7.5	0.6	4280	<0.1	0.1	0.1
Max.[5]	287	33.4	8.0	3.3	5840	0.5	0.6	0.7
Min.[5]	98	12.9	6.9	0.0	2920	<0.1	<0.1	<0.1

Observations:

0700 - Water color is green/gray, water level is high. There is almost no foam.

0800 - No changes.

0900 - Water level is higher than before. There is more foam than before.

1000 - Water color is dark gray. There is almost no foam. Water color form the International Drain was green. whereas the New River water color at the International Drain is black.

1100 - Water color was dark gray (almost black), water level was higher. Foam was not noticeable.

1200 - Water color is almost black. The water elevation is approximately 2" higher than before.

1300 - Water color is dark gray/green.

1400 - No changes.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[3] Average of above data.

[4] Average of data for past 12 months.

[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 10/21/97

Laboratory: California Department of Health Services

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
MBAS	38260	425.1	0.025	2.06	1.56	3.18	0.373	mg/l
Total Phosphate as P	665	365.2	0.01	1.98	2.36	4.30	1.48	mg/l
Phenol	32730	420.1	0.002	0.004	0.010	0.029	0.002	mg/l
Cyanide	720	335.2	0.01	ND	0.00	0.01	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	5.3	6.2	11.2	3.8	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	ND	0.2	1.5	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	0.08	0.02	0.20	ND	mg/l
Hardness as ($CaCO_3$)	900	130.2	1	645	831	1040	645	mg/l
Total Alkalinity as ($CaCO_3$)	410	310.1	1	253	283	337	253	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	1970	2753	3480	1970	mg/l
Total Suspended Solids	530	160.2	10	138	51	138	10	mg/l
Turbidity	82079	180.1	0.1	14	17	27	6	NTU
BOD_5 @ 20°C	310	410.4	2	22	18	28	9	mg/l
COD	340	405.1	5	39	50	91	33	mg/l

Constituent	Storet Code	Method	Reporting Limits		Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
			Graphite	Flame					
As-Arsenic	1002	A.A.	2	-	7	7	11	3	µg/l
Cd-Cadmium	1027	A.A.	1	-	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	-	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	-	ND	2	15	ND	µg/l
Pb-Lead	1051	A.A.	10	-	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	77	37	127	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	µg/l

[1] Composite of eight grab samples collected @ 60 minute intervals.

[2] *Ave, max, & min values for the past 12 months*

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 10/21/97

Laboratory: California Department of Health Services

Turbidity[1]	Storet Code	US EPA Method	Reporting Limits	Results	Ave.[2]	Max.[2]	Min.[2]	Units
700	82079	180.1	0.1	9	16.1	29	5	NTU
800	82079	180.1	0.1	11	16.6	33	6	NTU
900	82079	180.1	0.1	11	16.6	38	10	NTU
1000	82079	180.1	0.1	12	16.0	31	6	NTU
1100	82079	180.1	0.1	14	15.8	27	5	NTU
1200	82079	180.1	0.1	14	18.3	40	11	NTU
1300	82079	180.1	0.1	14	18.5	55	6	NTU
1400	82079	180.1	0.1	11	17.4	37	11	NTU

Laboratory: Regional Board

Fecal Coliform[1,3]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	300,000	215,000	500,000	80,000	MPN/100ml
1200	316315	230,000	300,000	700,000	80,000	MPN/100ml
1300	316315	300,000	200,000	500,000	40,000	MPN/100ml
1400	316315	500,000	230,000	500,000	40,000	MPN/100ml

[1] Grab sample taken at the indicated time

[2] Ave, median, max, & min values for the past 12 months

[3] Analyzed by the Multiple Tube Fermentation Method

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 10/21/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	**0.64**	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 10/21/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	ND	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 0900

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
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Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
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p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	**0.80**	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
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CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 10/21/97

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Analyte[1]	Storet Code	Results	Detection Limits	Units
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Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	**2.2**	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
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1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	**1.1**	0.5	µg/l
o-Xylene	77135	**0.74**	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 1200
ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 11/4/97

Sampling Team: Jose L. Angel and Rafael Molina

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	219	19.9	7.5	0.4	3020	<0.1	<0.1	<0.1
0800	219	20.1	7.5	0.3	3000	<0.1	<0.1	<0.1
0900	219	20.2	7.5	0.3	3010	<0.1	0.1	0.1
1000	222	20.5	7.5	0.2	3040	<0.1	<0.1	<0.1
1100	228	20.9	7.5	0.2	3000	<0.1	<0.1	0.1
1200	232	21.1	7.5	0.2	3010	<0.1	<0.1	<0.1
1300	234	21.4	7.5	0.6	3030	<0.1	<0.1	<0.1
1400	239	21.6	7.5	0.5	2970	<0.1	-	-
Avg.[3]	227	20.7	7.5	0.3	3010	<0.1	<0.1	<0.1
Avg.[4]	200	23.2	7.5	0.6	4156	<0.1	0.1	0.1
Max.[5]	287	33.4	8.0	3.3	5840	0.5	0.6	0.7
Min.[5]	98	12.9	6.9	0.0	2920	<0.1	<0.1	<0.1

Observations:

0700 - Day is clear. Air temp is 20 °C. No wind. River color is dark green.

0800 - Air temp is 23 °C. River color is dark olive green. White foam on River's surface.

0900 - Water elevation is normal for this time of year. Air temp is 25 °C. There is no odor.

1000 - Mild diesel odor. River color is olive green. Air temp is 27 °C.

1100 - Gentle breeze (5 mph NW). River color is olive green. Air temp is 40 °C.

1200 - River color is dark green, it appears it has more solids. Air temp is 31 °C. Mild diesel odor. A couple of talapias were seen grasping for air. Water color changed to dark gray.

1300 - Dead fish (carp 12"-14') was observed. Water is dark. Debris was floating of surface. Air temp 31 °C.

1400 - Same as above.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[3] Average of above data.

[4] Average of data for past 12 months.

[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 11/4/97

Laboratory: California Department of Health Services

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
MBAS	38260	425.1	0.025	3.18	1.56	3.18	0.373	mg/l
Total Phosphate as P	665	365.2	0.01	1.48	2.36	4.3	1.48	mg/l
Phenol	32730	420.1	0.002	0.002	0.010	0.029	0.002	mg/l
Cyanide	720	335.2	0.01	0.01	0.00	0.01	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	5.5	6.2	11.2	3.8	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	ND	0.2	1.5	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	ND	0.02	0.2	ND	mg/l
Hardness as ($CaCO_3$)	900	130.2	1	655	831	1040	645	mg/l
Total Alkalinity as ($CaCO_3$)	410	310.1	1	255	283	337	253	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2100	2753	3480	1970	mg/l
Total Suspended Solids	530	160.2	10	80	51	138	10	mg/l
Turbidity	82079	180.1	0.1	12	17	27	6	NTU
BOD_5 @ 20°C	310	410.4	2	23	18	28	9	mg/l
COD	340	405.1	5	33	50	91	33	mg/l

Constituent	Storet Code	Method	Reporting Limits		Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
			Graphite	Flame					
As-Arsenic	1002	A.A.	2	-	7	7	11	3	µg/l
Cd-Cadmium	1027	A.A.	1	-	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	-	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	-	ND	2	15	ND	µg/l
Pb-Lead	1051	A.A.	10	-	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	50	37	127	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	µg/l

[1] Composite of eight grab samples collected @ 60 minute intervals.

[2] Ave, max, & min values for the past 12 months

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 11/4/97

Laboratory: California Department of Health Services

Turbidity[1]	Storet Code	US EPA Method	Reporting Limits	Results	Ave.[2]	Max.[2]	Min.[2]	Units
700	82079	180.1	0.1	11	16.1	40	5	NTU
800	82079	180.1	0.1	12	17.3	55	6	NTU
900	82079	180.1	0.1	14	16.7	46	9	NTU
1000	82079	180.1	0.1	11	16.5	48	6	NTU
1100	82079	180.1	0.1	16	17.3	44	5	NTU
1200	82079	180.1	0.1	19	20.2	40	12	NTU
1300	82079	180.1	0.1	16	19.8	55	6	NTU
1400	82079	180.1	0.1	12	19.7	37	11	NTU

Laboratory: Regional Board

Fecal Coliform[1,3]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	170,000	215,000	500,000	80,000	MPN/100ml
1200	316315	300,000	300,000	700,000	80,000	MPN/100ml
1300	316315	130,000	200,000	500,000	40,000	MPN/100ml
1400	316315	130,000	230,000	500,000	40,000	MPN/100ml

[1] Grab sample taken at the indicated time

[2] Ave, median, max, & min values for the past 12 months

[3] Analyzed by the Multiple Tube Fermentation Method

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 11/4/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.83	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 11/4/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	1.4	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	0.74	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	2.3	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	0.75	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	1.4	0.5	µg/l
o-Xylene	77135	0.70	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 0900

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 11/4/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
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Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
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p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.88	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
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cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 11/4/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	2.5	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	3.1	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
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Toluene	34010	2.1	0.5	µg/l
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1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	1.6	0.5	µg/l
o-Xylene	77135	0.87	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 1200

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 12/8/97

Sampling Team: Jose L. Angel, Suhas Chakraborty, Rafael Molina and Charles Springer

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	247	14.2	7.5	2.4	3570	<0.1	<0.1	<0.1
0800	248	14.1	7.5	2.6	3580	0.3	0.4	0.4
0900	253	14.3	7.5	2.5	3610	0.2	0.2	0.2
1000	260	14.4	7.5	2.5	3660	0.5	1.0	>1.0
1100	268	14.4	7.5	2.6	3550	0.4	0.6	0.7
1200	275	14.6	7.5	3.1	3490	0.4	0.4	0.4
1300	277	14.8	7.6	3.2	3450	0.4	0.4	0.5
1400	292	15.0	7.6	3.3	3460	0.3	0.7	0.7
Avg.[3]	265	14.5	7.5	2.8	3546	0.3	0.5	0.6
Avg.[4]	214	22.8	7.5	0.8	4028	0.1	0.1	0.1
Max.[5]	292	33.4	8.0	3.3	5840	0.5	1.0	>1.0
Min.[5]	98	12.9	6.9	0.0	2920	<0.1	<0.1	<0.1

Observations:

0700 - Clear sky, with patches of clouds. Slightly windy. Air temp is 17 °C.

0800 - Air temp is 23 °C. Cloudy.

1100 - Cloudy, windy.

1300 - Air temp 21 °C. Clear sky, windy.

1400 - Air temp 19 °C. Clear sky, windy.

[1] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[2] Average of above data.

[3] Average of data for past 12 months.

[4] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 12/8/97

Sampling Team: Jose L. Angel, Suhas Chakraborty, Rafael Molina and Charles Springer

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
1500	300	14.9	7.6	3.5	3560	0.3	0.7	1.0
1600	307	14.9	7.6	3.4	3570	0.4	1.5	1.5
1700	313	14.9	7.6	3.7	3560	0.7	1.0	1.1
1800	307	14.8	7.6	3.5	3540	0.4	0.5	-
1900	290	-	-	-	-	-	-	-
2000	311	-	-	-	-	-	-	-
2100	310	-	-	-	-	-	-	-
2200	303	-	-	-	-	-	-	-
Avg.[3]	305	14.9	7.6	3.5	3558	0.5	1.2	1.5

Observations:

1500 - Windy, clear sky. Air temp is 18 °C. River water is muddy, most likely a result of the storm.

1600 - Water is getting darker. Air temp is 16.5 °C.

1700 - Air temp is 12.5 °C. No other changes.

1800 - Air temp is 11.5 °C. No other changes.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[3] Average of above data

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 12/8/97 - 12/9/97

Sampling Team: Jose L. Angel, Suhas Chakraborty, Rafael Molina and Charles Springer

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
2300	324	14.0	7.5	3.5	3530	0.5	0.6	0.7
0000	-	14.0	7.6	3.0	3500	0.3	0.7	0.7
0100	338	13.9	7.5	3.6	3510	0.3	0.5	0.5
0200	338	13.7	7.6	3.5	3380	0.3	0.5	0.5
0300	340	13.5	7.6	4.2	3510	0.4	0.4	0.4
0400	342	13.4	7.6	4.2	3500	0.2	0.3	0.4
0500	342	13.3	7.6	4.4	3490	0.2	0.3	0.3
0600	343	13.2	7.6	4.3	3460	0.1	-	-
Avg.[3]	338	13.6	7.5	3.8	3485	0.3	0.5	0.5

Observations:

2300 - Air temp is 12 °C. No other changes.
0000 - Same as above.
0100 - Air temp is 10 °C. No other changes.
0200 - Air temp is 9 °C. No other changes.
0300 - Air temp is 8 °C. No other changes.
0400 - Same as above.
0500 - Air temp is 7 °C. No other changes.
0600 - Air temp is 4.5 °C. No other changes.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[3] Average of above data

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 12/8-12/9/97

Laboratory: California Department of Health Services

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1] (8-hr Comp.)	Results[2] (24-hr Comp.)	Ave.[3]	Max.[3]	Min.[3]	Units
MBAS	38260	425.1	0.025	0.025	0.089	1.56	3.18	0.373	mg/l
Total Phosphate as P	665	365.2	0.01	1.51	1.78	2.36	4.30	1.48	mg/l
Phenol	32730	420.1	0.002	ND	0.005	0.010	0.029	ND	mg/l
Cyanide	720	335.2	0.01	ND	ND	0.00	0.01	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	5.2	5.2	6.2	11.2	3.8	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	0.4	0.5	0.2	1.5	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	0.1	0.1	0.02	0.2	ND	mg/l
Hardness as ($CaCO_3$)	900	130.2	1	740	730	831	1040	645	mg/l
Total Alkalinity as ($CaCO_3$)	410	310.1	1	266	263	283	337	253	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2330	2280	2753	3480	1970	mg/l
Total Suspended Solids	530	160.2	10	206	73	51	138	10	mg/l
Turbidity	82079	180.1	0.1	27.0	25	17	27	6	NTU
BOD_5 @ 20°C	310	410.4	2	31	30	18	28	9	mg/l
COD	340	405.1	5	28	30	50	91	33	mg/l

Constituent	Storet Code	Method	Reporting Limits		Results[1] (8-hr Comp.)	Results[2] (24-hr Comp.)	Ave.[3]	Max.[3]	Min.[3]	Units
			Graphite	Flame						
As-Arsenic	1002	A.A.	2	-	6	6	7	11	3	µg/l
Cd-Cadmium	1027	A.A.	1	-	ND	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	-	ND	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	-	ND	11	2	15	ND	µg/l
Pb-Lead	1051	A.A.	10	-	ND	14	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	ND	70	37	127	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	ND	µg/l

[1] Resutls are from the 8-hr composite sample collected on 12/8/97 from 0700-1400.

[2] Resutls are from the 24-hr composite sample collected on 12/8-12/9/97 from 0700-0600, and are not included in any calculations.

[3] Ave, max, & min values for the past 12 months

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 12/8-12/9/97

Laboratory: California Department of Health Services

Turbidity[1]	Storet Code	US EPA Method	Reporting Limits	Results	Ave.[2]	Max.[2]	Min.[2]	Units
700	82079	180.1	0.1	8	16.1	40.0	5.0	NTU
800	82079	180.1	0.1	8	17.3	55.0	6.0	NTU
900	82079	180.1	0.1	10	16.7	46.0	8.8	NTU
1000	82079	180.1	0.1	114	16.5	48.0	6.0	NTU
1100	82079	180.1	0.1	17	17.3	44.0	5.0	NTU
1200	82079	180.1	0.1	13	20.2	40.0	12.0	NTU
1300	82079	180.1	0.1	14	19.8	55.0	6.0	NTU
1400	82079	180.1	0.1	24	19.7	37.0	11.3	NTU

Laboratory: Regional Board

Fecal Coliform[1,3]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100 (12/8)	316315	20,000	215,000	500,000	80,000	MPN/100ml
1200	316315	40,000	300,000	700,000	80,000	MPN/100ml
1300	316315	70,000	200,000	500,000	40,000	MPN/100ml
1400	316315	20,000	230,000	500,000	40,000	MPN/100ml
0300 (12/9)	316315	70,000	-	-	-	MPN/100ml
0400	316315	70,000	-	-	-	MPN/100ml
0500	316315	700,000	-	-	-	MPN/100ml
0600	316315	40,000	-	-	-	MPN/100ml

[1] Grab sample taken at the indicated time

[2] Ave, median, max, & min values for the past 12 months

[3] Analyzed by the Multiple Tube Fermentation Method

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 12/8-12/9/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	12/8/97 0900[2]	12/8/97 1200[2]	12/8/97 1500[2]	12/8/97 1800[2]	12/8/97 2100[2]	12/9/97 0000[2]	12/9/97 0300[2]	12/9/97 0600[2]	Detection Limits	Units
Benzene	34030	ND	ND	ND	0.51	ND	ND	ND	ND	0.5	µg/l
Bromobenzene	81555	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromochloromethane	A-012	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromodichloromethane	32101	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromoform	32104	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroethane	34311	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroform	32106	ND	ND	ND	0.57	0.53	0.89	ND	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromomethane	77596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.59	0.71	0.72	0.83	0.79	0.78	0.53	0.51	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 12/8-12/9/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	12/8/97 0900[2]	12/8/97 1200[2]	12/8/97 1500[2]	12/8/97 1800[2]	12/8/97 2100[2]	12/9/97 0000[2]	12/9/97 0300[2]	12/9/97 0600[2]	Detection Limits	Units
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethyl benzene	34371	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND	1.0	0.79	0.59	0.70	ND	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Napthalene	34696	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Propylbenzene	77224	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Styrene	77128	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 12/8-12/9/97

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	12/8/97 0900[2]	12/8/97 1200[2]	12/8/97 1500[2]	12/8/97 1800[2]	12/8/97 2100[2]	12/9/97 0000[2]	12/9/97 0300[2]	12/9/97 0600[2]	Detection Limits	Units
1,1,1,2-Tetrachloroethane	77562	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Toluene	34010	ND	ND	3.0	2.8	2.5	2.5	ND	0.63	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	ND	0.52	0.95	0.52	0.72	ND	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	ND	1.0	1.5	0.76	1.2	ND	ND	0.5	µg/l
o-Xylene	77135	ND	0.53	0.53	0.86	0.51	0.78	ND	ND	0.5	µg/l

[1] USEPA Method 524.2

[2] Results are for each grab sample collected at the specified time/date, the first sample was collected @ 0900 on 12/8/97. The last was collected @ 0600 on 12/9/97.

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 1/27/98

Sampling Team: Jose L. Angel and Rafael Molina

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	217	13.6	7.4	1.4	3560	<0.1	<0.1	0.1
0800	212	13.6	7.5	1.6	3610	0.1	0.2	0.2
0900	212	13.8	7.5	1.8	3600	0.2	0.2	0.2
1000	211	14.1	7.9	1.7	3610	0.2	0.2	0.2
1100	217	14.5	7.5	2.2	3580	0.2	0.2	0.3
1200	220	15.0	7.5	2.2	3520	0.1	0.2	0.2
1300	221	15.3	7.5	2.6	3580	0.2	0.3	0.3
1400	224	15.7	7.6	2.6	3570	<0.1	-	-
Avg.[3]	217	14.4	7.5	2.0	3579	0.1	0.2	0.2
Avg.[4]	223	22.9	7.5	0.9	3845	<0.1	0.1	0.1
Max.[5]	292	33.4	8.0	3.3	4780	0.428571	0.5	0.5
Min.[5]	150	13.6	6.9	0.0	2920	<0.1	<0.1	<0.1

Observations:

0700 - Clear sky, color of River is dark green. White foam, mild sulfur-like smell. Air temp is 12 °C.
0800 - Less foam than at 0700. Air temp is 13 °C.
0900 - Air temp is 16 °C. River water color is dark green; there is still some foam, water level rose slightly.
1000 - Air temp is 29 °C. Sunny, river is dark green with foam.
1100 - Air temp is 24 °C. Same as 1000, but with much less foam.
1200 - Air temp is 23 °C. River is dark green, there is more foam than at 1100.
1300 - Air temp is 22 °C. No other changes.
1400 - Air temp is 22 °C. No other changes.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.
[3] Average of above data
[4] Average of data for past 12 months
[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 1/27/98

Laboratory: California Department of Health Services

Constituent[1]	Storet Code	US EPA Method	Reporting Limits	Results	Ave.[2]	Max.[2]	Min.[2]	Units
MBAS	38260	425.1	0.025	1.27	1.03	3.18	0.025	mg/l
Total Phosphate as P	665	365.2	0.01	2.48	1.86	2.93	1.1	mg/l
Phenol	32730	420.1	0.002	0.01	0.009	0.029	ND	mg/l
Cyanide	720	335.2	0.01	ND	ND	0.01	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	6.5	5.0	6.5	3.8	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	0.7	0.2	0.7	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	0.1	0.04	0.1	ND	mg/l
Hardness (as $CaCO_3$)	900	130.2	1	777	790	895	645	mg/l
Total Alkalinity (as $CaCO_3$)	410	310.1	1	274	269	290	253	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2470	2593	3070	1970	mg/l
Total Suspended Solids	530	160.2	10	36	72	206	10	mg/l
Turbidity	82079	180.1	0.1	9.4	15	27	6	NTU
BOD_5 @ 20°C	310	410.4	2	20	18	31	9	mg/l
COD	340	405.1	5	41	40	61	28	mg/l

Constituent[1]	Storet Code	Method	Reporting Limits		Results	Ave.[2]	Max.[2]	Min.[2]	Units
			Graphite	Flame					
As-Arsenic	1002	A.A.	2	-	5	7	11	4	µg/l
Cd-Cadmium	1027	A.A.	1	-	NA	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	-	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	-	ND	1	10	ND	µg/l
Pb-Lead	1051	A.A.	10	-	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	ND	30	127	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	µg/l

[1] Composite of eight grab samples collected @ 60 minute intervals.

[2] Ave, max, & min values for the past 12 months

ND = Not Detected NA = Not analyzed

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 1/27/98

Laboratory: California Department of Health Services

Turbidity[1]	Storet Code	US EPA Method	Reporting Limits	Results	Ave.[2]	Max.[2]	Min.[2]	Units
700	82079	180.1	0.1	7	12.1	29.0	1.5	NTU
800	82079	180.1	0.1	8	12.6	33.0	1.6	NTU
900	82079	180.1	0.1	8	13.2	38.0	2.1	NTU
1000	82079	180.1	0.1	8	21.0	114.0	1.5	NTU
1100	82079	180.1	0.1	8	12.3	25.0	1.5	NTU
1200	82079	180.1	0.1	10	12.7	20.0	4.3	NTU
1300	82079	180.1	0.1	8	12.2	21.0	1.7	NTU
1400	82079	180.1	0.1	8	12.3	24.0	2.2	NTU

Laboratory: Regional Board

Fecal Coliform[1,3]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	20,000	150,000	500,000	20,000	MPN/100ml
1200	316315	20,000	135,000	500,000	40,000	MPN/100ml
1300	316315	80,000	130,000	500,000	40,000	MPN/100ml
1400	316315	20,000	120,000	500,000	20,000	MPN/100ml

[1] Grab sample taken at the indicated time

[2] Ave, median, max, & min values for the past 12 months

[3] Analyzed by the Multiple Tube Fermentation Method

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 1/27/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	0.64	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.72	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 1/27/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	1.0	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	0.50	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	0.91	0.5	µg/l
o-Xylene	77135	0.58	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 0900

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 1/27/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	0.88	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	0.72	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.90	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 1/27/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	0.73	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	0.54	0.5	µg/l
Napthalene	34696	0.61	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	4.1	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	1.8	0.5	µg/l
1,3,5-Trimethylbenzene	77226	0.50	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	2.9	0.5	µg/l
o-Xylene	77135	1.6	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 1200
ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 2/18/98

Sampling Team: Jose L. Angel and Rafael Molina

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	234	14.5	7.3	2.1	4220	0.1	0.1	0.1
0800	236	14.5	7.3	2.5	4250	<0.1	<0.1	0.1
0900	241	14.6	7.4	3.0	4240	0.1	0.1	0.1
1000	246	14.9	7.4	3.5	4300	<0.1	<0.1	<0.1
1100	248	15.2	7.4	3.6	4230	<0.1	0.1	-
1200	254	15.6	7.5	3.8	4230	0.2	0.3	0.3
1300	257	16.0	7.4	4.1	4270	0.2	0.2	0.3
1400	256	16.4	7.5	4.4	4240	-	-	-
Avg.[3]	247	15.2	7.4	3.4	4248	0.1	0.1	0.2
Avg.[4]	226	22.8	7.5	1.1	3911	<0.1	0.1	0.1
Max.[5]	292	33.4	8.0	4.4	4780	0.428571	0.5	0.5
Min.[5]	150	13.6	6.9	0.0	2920	<0.1	<0.1	<0.1

Observations:

0700 - Clear & sunny. River flow is higher than normal, color of River is green/brown. Very little foam. Air temp is 8 °C
0800 - River color is brownish, very little foam. Air temp is 15 °C.
0900 - Air temp is 22 °C. River color is brownish, higher flow.
1000 - Air temp is 27 °C. Windy (<5 mph S).
1100 - Air temp is 32 °C. River color is brown/green, no wind.
1200 - Air temp is 33 °C. River is silty brown, visible floatables (e.g. paper, wood sticks, etc.), some foam.
1300 - Air temp is 20 °C. No other changes.
1400 - Same as 1300.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.
[3] Average of above data
[4] Average of data for past 12 months
[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 2/18/98

Laboratory: California Department of Health Services

Constituent[1]	Storet Code	US EPA Method	Reporting Limits	Results	Ave.[2]	Max.[2]	Min.[2]	Units
MBAS	38260	425.1	0.025	0.555	1.03	3.18	0.025	mg/l
Total Phosphate as P	665	365.2	0.01	1.10	1.86	2.93	1.1	mg/l
Phenol	32730	420.1	0.002	0.01	0.009	0.029	ND	mg/l
Cyanide	720	335.2	0.01	ND	ND	0.01	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	4.7	5.0	6.5	3.8	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	0.4	0.2	0.7	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	0.1	0.04	0.1	ND	mg/l
Hardness (as $CaCO_3$)	900	130.2	1	767	790	895	645	mg/l
Total Alkalinity (as $CaCO_3$)	410	310.1	1	253	269	290	253	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2510	2593	3070	1970	mg/l
Total Suspended Solids	530	160.2	10	99	72	206	10	mg/l
Turbidity	82079	180.1	0.1	7.4	15	27	6	NTU
BOD_5 @ 20°C	310	410.4	2	18	18	31	9	mg/l
COD	340	405.1	5	42	40	61	28	mg/l

Constituent[1]	Storet Code	Method	Reporting Limits		Results	Ave.[2]	Max.[2]	Min.[2]	Units
			Graphite	Flame					
As-Arsenic	1002	A.A.	2	-	4	7	11	4	µg/l
Cd-Cadmium	1027	A.A.	1	-	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	-	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	-	ND	1	10	ND	µg/l
Pb-Lead	1051	A.A.	10	-	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	ND	30	127	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	µg/l

[1] Composite of eight grab samples collected @ 60 minute intervals.

[2] Ave, max, & min values for the past 12 months

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 2/18/98

Laboratory: California Department of Health Services

Turbidity[1]	Storet Code	US EPA Method	Reporting Limits	Results	Ave.[2]	Max.[2]	Min.[2]	Units
700	82079	180.1	0.1	2	12.1	29.0	1.5	NTU
800	82079	180.1	0.1	1.6	12.6	33.0	1.6	NTU
900	82079	180.1	0.1	2.1	13.2	38.0	2.1	NTU
1000	82079	180.1	0.1	1.5	21.0	114.0	1.5	NTU
1100	82079	180.1	0.1	1.5	12.3	25.0	1.5	NTU
1200	82079	180.1	0.1	4.3	12.7	20.0	4.3	NTU
1300	82079	180.1	0.1	1.7	12.2	21.0	1.7	NTU
1400	82079	180.1	0.1	2.2	12.3	24.0	2.2	NTU

Laboratory: Regional Board

Fecal Coliform[1,3]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	20,000	150,000	500,000	20,000	MPN/100ml
1200	316315	40,000	135,000	500,000	40,000	MPN/100ml
1300	316315	20,000	130,000	500,000	40,000	MPN/100ml
1400	316315	80,000	120,000	500,000	20,000	MPN/100ml

[1] Grab sample taken at the indicated time

[2] Ave, median, max, & min values for the past 12 months

[3] Analyzed by the Multiple Tube Fermentation Method

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 2/18/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	ND	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 2/18/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	ND	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 0900

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 2/18/98

Laboratory: California Department of Health Services

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Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
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Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
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trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 2/18/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	1.1	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	0.8	0.5	µg/l
o-Xylene	77135	0.67	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 1200
ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/30/98

Sampling Team: Jose L. Angel, Suhas Chakraborty, Steve Guarino, Ray Lukens and Charles Springer

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	322	15.3	6.8	2.5	3600	0.1	0.2	0.2
0800	324	15.5	6.8	2.6	3600	<0.1	<0.1	<0.1
0900	324	15.8	6.9	2.8	3600	<0.1	0.1	0.2
1000	324	16.8	6.9	3.2	3570	<0.1	0.1	0.2
1100	342	16.5	6.8	3.5	3580	0.1	0.1	0.1
1200	343	17.0	6.9	3.7	3560	<0.1	0.1	0.1
1300	344	17.6	6.9	4.0	3580	<0.1	<0.1	0.1
1400	343	17.9	6.9	3.9	3570	0.1	0.1	0.1
Avg.[3]	333	16.5	6.8	3.3	3583	<0.1	0.1	0.1
Avg.[4]	235	22.4	7.5	1.4	3857	<0.1	0.1	0.1
Max.[5]	344	33.4	8.0	4.4	4780	<0.1	0.5	0.5
Min.[5]	150	13.6	6.8	0.0	2920	<0.1	<0.1	<0.1

Observations:

0700 - Clear sky, slightly windy, water color is dark greenish/brown. Some foam. Air temp is 16 °C.

0800 - No foam. Air temp is 27 °C.

0900 - Air temp is 30 °C.

1000 - Clear sky. Plastic bags and bottles observed floating on the River. Air temp is 27 °C.

1100 - Clear sky, foam on water surface.

1200 - Clear sky, no foam. Air temp is 30 °C.

1300 - Clear sky. Relatively clear water. Air temp is 25 °C.

1400 - Water color is dark green/brown. There is no foam. Air temp is 24 °C.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[3] Average of above data

[4] Average of data for past 12 months

[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/30-3/31/98

Sampling Team: Jose L. Angel, Suhas Chakraborty, Steve Guarino, Ray Lukens and Charles Springer

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
1500	344	18.3	6.9	3.6	3520	<0.1	<0.1	0.1
1600	343	18.4	6.9	3.4	3520	<0.1	<0.1	0.1
1700	344	18.3	6.9	3.4	3490	0.1	0.2	0.2
1800	342	18.0	6.9	3.0	3420	0.1	0.2	0.2
1900	341	17.8	6.9	2.4	3440	0.2	0.3	0.3
2000	341	17.4	6.8	2.4	3440	0.3	0.3	0.3
2100	343	16.9	6.9	1.8	3420	<0.1	0.1	0.1
2200	343	16.6	6.9	1.8	3390	0.2	0.2	0.3
Avg.[3]	343	17.7	6.9	2.7	3455	0.1	0.2	0.2

Observations:

1500 - Clumps of foam were observed floating on the River's surface.
1600 - No foam, water color is dark green-brown.
1800 - No changes.
1900 - No changes.
2000 - Some foam. Air temp is 12 °C.
2100 - Air temp is 13 °C.
2200 - Considerable amount of foam was observed floating on the River's surface.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.
[3] Average of above data

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/30-3/31/98

Sampling Team: Jose L. Angel, Suhas Chakraborty, Steve Guarino, Ray Lukens

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
2300	342	16.4	6.8	1.6	3380	0.1	0.1	0.2
0000	342	16.4	6.7	2.2	3380	0.1	0.2	0.3
0100	343	16.6	6.7	2.6	3370	0.1	0.2	0.2
0200	347	16.7	6.8	1.2	3320	0.1	0.2	0.4
0300	344	16.5	6.8	1.5	3340	0.1	0.2	0.2
0400	342	16.3	6.7	1.8	3340	<0.1	0.1	0.1
0500	341	16.2	6.9	2.0	3350	0.2	0.2	0.3
0600	340	16.1	6.8	2.4	3350	-	-	-
Avg.[3]	343	16.4	6.8	1.9	3354	0.1	0.2	0.2

Observations:

2300 - Water is foamy, murky and dark brown. Mild septic odor. Air temp is 12 °C.
0000 - Foamy with mild septic odor. Air temp is 9 °C.
0100 - Foamy. Air temp is 10 °C.
0200 - Increased flow. Air temp is 10 °C.
0300 - Air temp is 9 °C.
0400 - Foamy. Air temp is 8 °C.
0500 - Foamy. Air temp is 8 °C.
0600 - Foamy. Air temp is 7 °C.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.
[3] Average of above data

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/30-3/31/98

Laboratory: California Department of Health Services

Constituent[1]	Storet Code	US EPA Method	Reporting Limits	Results[2] (8-hr Comp.)	Results[3] (24-hr Comp.)	Ave.[4]	Max.[4]	Min.[4]	Units
MBAS	38260	425.1	0.025	0.10	0.07	1.31	3.18	0.025	mg/l
Total Phosphate as P	665	365.2	0.01	1.36	1.53	2.23	4.3	1.48	mg/l
Phenol	32730	420.1	0.002	ND	ND	0.008	0.029	ND	mg/l
Cyanide	720	335.2	0.01	0.01	0.02	ND	0.01	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	4.5	4.8	5.7	10.6	3.8	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	0.2	0.4	0.2	1.5	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	0.1	0.1	0.03	0.2	ND	mg/l
Hardness as ($CaCO_3$)	900	130.2	1	820	770	809	1040	645	mg/l
Total Alkalinity as ($CaCO_3$)	410	310.1	1	263	258	278	337	253	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2540	2400	2683	3480	1970	mg/l
Total Suspended Solids	530	160.2	10	51	47	65	206	10	mg/l
Turbidity	82079	180.1	0.1	9.2	11.5	17	27	6	NTU
BOD_5 @ 20°C	310	410.4	2	16	23	19	31	9	mg/l
COD	340	405.1	5	29	26	44	61	28	mg/l

Constituent[1]	Storet Code	Method	Reporting Limits		Results[2] (8-hr Comp.)	Results[3] (24-hr Comp.)	Ave.[2]	Max.[2]	Min.[2]	Units
			Graphite	Flame						
As-Arsenic	1002	A.A.	2	-	4	4	7	11	3	µg/l
Cd-Cadmium	1027	A.A.	1	50	ND	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	100	ND	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	50	ND	ND	ND	ND	ND	µg/l
Pb-Lead	1051	A.A.	10	200	ND	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	30	127	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	ND	ND	ND	ND	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	ND	µg/l

[1] Composite of eight grab samples collected @ 60 minute intervals.

ND = Not Detected

[2] Resutls are from the 8-hr composite sample collected on 3/30/98 from 0700-1400.

[3] Resutls are from the 24-hr composite sample collected on 3/30-3/31/98 from 0700-0600, and are not included in any calculations.

[4] Ave, max, & min values for the past 12 months

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/30-3/31/98

Laboratory: California Department of Health Services

Turbidity[1]	Storet Code	US EPA Method	Reporting Limits	Results	Ave.[2]	Max.[2]	Min.[2]	Units
700	82079	180.1	0.1	9	14	29.0	5.0	NTU
800	82079	180.1	0.1	9	14.9	33.0	6.0	NTU
900	82079	180.1	0.1	10	16.0	38.0	10.0	NTU
1000	82079	180.1	0.1	10	23.2	114.0	6.0	NTU
1100	82079	180.1	0.1	13	15.6	27.0	5.0	NTU
1200	82079	180.1	0.1	10	16.5	30.0	11.0	NTU
1300	82079	180.1	0.1	14	15.2	29.0	6.0	NTU
1400	82079	180.1	0.1	11	15.3	24.0	11.0	NTU

Laboratory: Regional Board

Fecal Coliform[1,3]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	20,000	215000	500,000	80,000	MPN/100ml
1200	316315	40,000	300,000	700,000	80,000	MPN/100ml
1300	316315	70,000	200,000	800,000	40,000	MPN/100ml
1400	316315	20,000	230,000	500,000	40,000	MPN/100ml
0300	316315	70,000	-	-	-	MPN/100ml
0400	316315	70,000	-	-	-	MPN/100ml
0500	316315	700,000	-	-	-	MPN/100ml
0600	316315	40,000	-	-	-	MPN/100ml

[1] Grab sample taken at the indicated time

[2] Ave, median, max, & min values for the past 12 months

[3] Analyzed by the Multiple Tube Fermentation Method

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/30-3/31/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	3/30/98 0900[2]	3/30/98 1200[2]	3/30/98 1500[2]	3/30/98 1800[2]	3/30/98 2100[2]	3/31/98 0000[2]	3/31/98 0300[2]	3/31/98 0600[2]	Detection Limits	Units
Benzene	34030	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromobenzene	81555	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromochloromethane	A-012	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromodichloromethane	32101	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromoform	32104	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroethane	34311	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroform	32106	ND	ND	ND	0.56	ND	0.64	ND	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromomethane	77596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/30-3/31/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	3/30/98 0900[2]	3/30/98 1200[2]	3/30/98 1500[2]	3/30/98 1800[2]	3/30/98 2100[2]	3/31/98 0000[2]	3/31/98 0300[2]	3/31/98 0600[2]	Detection Limits	Units
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethyl benzene	34371	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µγ/λ
Napthalene	34696	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Propylbenzene	77224	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Styrene	77128	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/30-3/31/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	3/30/98 0900[2]	3/30/98 1200[2]	3/30/98 1500[2]	3/30/98 1800[2]	3/30/98 2100[2]	3/31/98 0000[2]	3/31/98 0300[2]	3/31/98 0600[2]	Detection Limits	Units
1,1,1,2-Tetrachloroethane	77562	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Toluene	34010	0.74	0.8	1.2	1.6	1.2	0.89	2.3	0.62	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	ND	ND	0.68	0.54	ND	0.93	ND	0.5	µg/l
o-Xylene	77135	ND	ND	ND	ND	ND	ND	0.53	ND	0.5	µg/l

ND = Not Detected

[1] USEPA Method 524.2

[2] Results are for each grab sample collected at the specified time/date, the first sample was collected @ 0900 on 3/30/98. The last was collected @ 0600 on 3/31/98.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 4/28/98

Sampling Team: Jose L. Angel and Steven Guarino

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	258	21.6	7.5	0.6	4300	0.1	0.1	0.2
0800	260	21.8	7.5	0.7	4250	0.2	0.2	0.2
0900	257	22.0	7.4	1.8	4310	1.0	1.1	1.1
1000	257	22.3	7.5	2.8	4300	1.1	1.1	1.1
1100	257	22.8	7.6	2.9	4300	0.1	0.1	0.1
1200	257	23.3	7.6	3.6	4270	0.1	0.1	0.1
1300	260	23.7	7.6	4.3	4290	0.4	0.4	0.4
1400	261	24.1	7.6	3.9	4240	-	-	-
Avg.[3]	258	22.7	7.5	2.6	4280	0.4	0.4	0.5
Avg.[4]	235	22.5	7.5	1.5	3865	0.1	0.1	0.2
Max.[5]	344	33.4	8.0	4.4	4780	1.1	1.1	1.1
Min.[5]	150	13.6	6.8	0.0	2920	<0.1	<0.1	<0.1

Observations:

0700 - Clear sky, light foam, color of River is murky dark green, mild septic odor Air temp is 19 °C.
0800 - Clear sky, no foam. A live turtle was observed on the bank. Air temp is 32 °C.
0900 - Air temp is 36 °C. No foam. No other changes.
1000 - Air temp is 32 °C. No foam. River is dark green.
1100 - Same as above.
1200 - Air temp is 34 °C. No foam, River is dark green with some floatables.
1300 - Air temp is 35 °C. No foam, River is dark green. No other changes.
1400 - Air temp is 45 °C. River is dark green.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.
[3] Average of above data
[4] Average of data for past 12 months
[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA

WATER ANALYSIS

Date Sampled: 4/28/98

Laboratory: California Department of Health Services

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
MBAS	38260	425.1	0.025	0.086	0.54	1.77	0.086	mg/l
Total Phosphate as P	665	365.2	0.01	1.38	1.73	2.48	1.1	mg/l
Phenol	32730	420.1	0.002	ND	0.010	0.024	ND	mg/l
Cyanide	720	335.2	0.01	0.02	ND	0.02	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	5.2	4.9	6.5	2.9	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	1.3	0.3	1.3	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	ND	0.05	0.1	ND	mg/l
Hardness (as $CaCO_3$)	900	130.2	1	935	772	935	670	mg/l
Total Alkalinity (as $CaCO_3$)	410	310.1	1	296	272	296	253	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2990	2521	3160	2190	mg/l
Total Suspended Solids	530	160.2	10	45	70	206	14	mg/l
Turbidity	82079	180.1	0.1	11	13	27	7.4	NTU
BOD_5 @ 20°C	310	410.4	2	19	18	31	8	mg/l
COD	340	405.1	5	38	38	66	20	mg/l

Constituent	Storet Code	Method	Reporting Limits		Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
			Graphite	Flame					
As-Arsenic	1002	A.A.	2	-	5	5	7	ND	µg/l
Cd-Cadmium	1027	A.A.	1	-	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	-	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	-	ND	ND	ND	ND	µg/l
Pb-Lead	1051	A.A.	10	-	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	ND	ND	ND	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	µg/l

[1] Composite of eight grab samples collected @ 60 minute intervals.

[2] Ave, max, & min values for the past 12 months

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 4/28/98

Laboratory: California Department of Health Services

Turbidity[1]	Storet Code	US EPA Method	Reporting Limits	Results	Ave.[2]	Max.[2]	Min.[2]	Units
700	82079	180.1	0.1	10	12.5	29.0	1.5	NTU
800	82079	180.1	0.1	12	13.1	33.0	1.6	NTU
900	82079	180.1	0.1	9	12.8	38.0	2.1	NTU
1000	82079	180.1	0.1	9	21.3	114.0	1.5	NTU
1100	82079	180.1	0.1	8	12.5	25.0	1.5	NTU
1200	82079	180.1	0.1	8	12.3	20.0	4.3	NTU
1300	82079	180.1	0.1	8	12.4	21.0	1.7	NTU
1400	82079	180.1	0.1	-	12.3	24.0	2.2	NTU

Laboratory: Regional Board

Fecal Coliform[1,3]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	110,000	170,000	500,000	20,000	MPN/100ml
1200	316315	40,000	140,000	500,000	40,000	MPN/100ml
1300	316315	110,000	130,000	500,000	40,000	MPN/100ml
1400	316315	110,000	130,000	500,000	20,000	MPN/100ml

[1] Grab sample taken at the indicated time

[2] Ave, median, max, & min values for the past 12 months

[3] Analyzed by the Multiple Tube Fermentation Method

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 4/28/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.62	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 4/28/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	0.54	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	0.64	0.5	µg/l
o-Xylene	77135	0.56	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 0900

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 4/28/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.54	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 4/28/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	ND	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 1200
ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 5/29/98

Sampling Team: Jose L. Angel and Rafael Molina

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	214	22.5	7.2	0.3	4040	<0.1	0.1	0.2
0800	214	22.4	7.3	0.5	4030	0.1	0.1	0.2
0900	213	22.6	7.2	0.9	4100	0.1	0.1	0.1
1000	213	23.0	7.3	0.6	4070	0.1	0.2	0.2
1100	228	23.4	7.4	1.8	3870	<0.1	<0.1	<0.1
1200	231	24.0	7.4	2.1	3890	0.1	0.1	0.1
1300	229	24.6	7.5	3.2	3940	0.2	0.5	0.5
1400	231	25.3	7.4	3.4	3950	0.5	-	-
Avg.[3]	222	23.5	7.3	1.6	3986	0.1	0.2	0.2
Avg.[4]	233	22.3	7.5	1.6	3834	0.1	0.2	0.2
Max.[5]	344	33.4	8.0	4.4	4780	1.1	1.1	1.1
Min.[5]	150	13.6	6.8	0.0	2920	<0.1	<0.1	<0.1

Observations:

0700 - Clear sky, color of River is dark green. Mild septic odor, gentle wind (S, < 5 mph). Air temp is 25 °C.
0800 - Same as above. There is no foam. Air temp is 33 °C.
0900 - Air temp is 32 °C. No foam. River is pea green in color.
1000 - Air temp is 33 °C. Two small turtles (± 6" in length) were observe swimming in the River.
1100 - Air temp is 36 °C. No other changes.
1200 - Air temp is 40 °C. No other changes.
1300 - Air temp is 36 °C. No other changes.
1400 - Air temp is 38 °C. No other changes.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.
[3] Average of above data
[4] Average of data for past 12 months
[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA

WATER ANALYSIS

Date Sampled: 5/29/98

Laboratory: California Department of Health Services, Los Angeles, CA

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
MBAS	38260	425.1	0.025	0.176	0.54	1.77	0.086	mg/l
Total Phosphate as P	665	365.2	0.01	2.36	1.73	2.48	1.1	mg/l
Phenol	32730	420.1	0.002	0.008	0.010	0.024	ND	mg/l
Cyanide	720	335.2	0.01	ND	0.00	0.02	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	5.3	4.9	6.5	2.9	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	ND	0.3	1.3	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	ND	0.05	0.1	ND	mg/l
Hardness (as $CaCO_3$)	900	130.2	1	840	772	935	670	mg/l
Total Alkalinity (as $CaCO_3$)	410	310.1	1	296	272	296	253	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2750	2521	3160	2190	mg/l
Total Suspended Solids	530	160.2	10	81	70	206	14	mg/l
Turbidity	82079	180.1	0.1	12	13	27	7.4	NTU
BOD_5 @ 20°C	310	410.4	2	-	18	31	8	mg/l
COD	340	405.1	5	20	38	66	20	mg/l

Constituent	Storet Code	Method	Reporting Limits		Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
			Graphite	Flame					
As-Arsenic	1002	A.A.	2	-	7	5	7	ND	µg/l
Cd-Cadmium	1027	A.A.	1	-	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	-	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	-	ND	ND	ND	ND	µg/l
Pb-Lead	1051	A.A.	10	-	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	ND	ND	ND	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	µg/l

Laboratory: ATS Laboratories, Brawley, CA

Fecal Coliform[3,4]	Storet Code	Results[1]	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	230,000	230,000	1,700,000	20,000	MPN/100ml
1200	316315	300,000	220,000	800,000	20,000	MPN/100ml
1300	316315	300,000	200,000	500,000	20,000	MPN/100ml
1400	316315	230,000	170,000	16,000,000	20,000	MPN/100ml

[1] Composite of eight grab samples collected @ 60 minute intervals.

[2] Ave, median, max, & min values for the past 12 months

[3] Grab sample taken at the indicated time

[4] Analyzed by the Multiple Tube Fermentation Method

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 5/29/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.95	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 5/29/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	3.3	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	0.86	0.5	µg/l
o-Xylene	77135	0.52	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 0900

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 5/29/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
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1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
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CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 5/29/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	ND	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 1200
ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 6/22/98

Sampling Team: Orlando Gonzalez and Rafael Molina

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	206	25.6	7.4	0.6	4230	<0.1	<0.1	<0.1
0800	204	25.5	7.4	0.7	4280	<0.1	<0.1	<0.1
0900	204	25.8	7.5	0.7	4270	<0.1	<0.1	<0.1
1000	205	26.3	7.5	1.6	4270	<0.1	<0.1	<0.1
1100	205	26.6	7.5	2.0	4270	<0.1	<0.1	0.1
1200	205	27.4	7.6	3.0	4070	0.1	0.1	0.1
1300	219	27.8	7.7	3.4	4130	0.1	0.1	0.1
1400	213	28.3	7.7	3.8	4190	<0.1	<0.1	<0.1
Avg.[3]	208	26.7	7.5	2.0	4211	<0.1	<0.1	<0.1
Avg.[4]	235	22.2	7.5	1.6	3824	0.1	0.2	0.2
Max.[5]	344	33.4	8.0	4.4	4780	1.1	1.1	1.1
Min.[5]	150	13.6	6.8	0.0	2920	<0.1	<0.1	<0.1

Observations:

0700 - New River water is olive green in color. The sky is sunny and clear. There is no wind. Air temp is 28 °C.
0800 - Air temp is 32 °C. No foam. No other changes.
0900 - Air temp is 37 °C. No foam. No other changes.
1000 - Air temp is 38 °C. Light breeze from the east.
1100 - Air temp is 39 °C. Water color is green.
1200 - No changes.
1300 - Air temp is 43 °C. Small amounts of solids floating on the surface.
1400 - Air temp is 45 °C. No other changes.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.
[3] Average of above data
[4] Average of data for past 12 months
[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 6/22/98

Sampling Team: Jose L. Angel and Steven Guarino

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
1500	211	28.9	7.7	3.7	4200	0.2	0.2	0.2
1600	210	29.3	7.7	3.3	4220	0.2	0.2	0.3
1700	209	29.6	7.7	3.3	4180	<0.1	<0.1	0.1
1800	210	29.5	7.6	2.6	4210	0.1	0.1	0.1
1900	209	29.2	7.5	1.3	410	<0.1	<0.1	<0.1
2000	209	28.8	7.5	0.8	4080	<0.1	0.2	0.2
2100	208	28.3	7.5	0.6	4080	0.1	0.2	0.2
2200	208	28.0	7.5	0.5	4230	0.2	0.4	0.4
Avg.[3]	209	29.0	7.6	2.0	3630	0.1	0.2	0.2

Observations:

1500 - Air temp is off scale, > 45 °C. Very humid. New River color is olive green, clear sky.
1600 - Air temp is 45 °C, light wind, clear sky. New River color is blue green.
1700 - Air temp is 44 °C. No other changes.
1800 - Air temp is 41 °C. No other changes.
1900 - Air temp is 37 °C. Light wind, River color is olive green.
2000 - Air temp is 32 °C. River is dark green. No foam.
2100 - Air temp is 28 °C. No other changes.
2200 - Air temp is 28 °C. No other changes.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.
[3] Average of above data

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 6/22/98 - 6/23/98

Sampling Team: Suhas Chakraborty and Charles Springer

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
2300	209	27.8	7.4	0.7	4340	<0.1	0.3	0.4
0000	210	27.5	7.6	0.4	4350	0.1	0.3	0.3
0100	213	27.2	7.5	0.4	4370	<0.1	0.2	0.2
0200	213	27.0	7.5	0.2	4310	0.1	0.2	0.3
0300	215	27.0	7.5	0.0	4240	<0.1	0.1	0.2
0400	212	26.7	7.4	0.0	4220	0.1	0.2	0.2
0500	213	26.3	7.3	0.3	4190	0.1	0.2	0.2
0600	213	26.1	7.3	0.3	4080	0.1	-	-
Avg.[3]	212	27.0	7.4	0.3	4251	0.1	0.2	0.3

Observations:

2300 - Air temp is 26 °C. Clear sky, light wind.
0000 - Same as above.
0100 - Air temp is 24 °C. Clear sky, light wind.
0200 - Air temp is 22 °C. Clear sky.
0300 - Air temp is 20 °C. Water smelling foul.
0400 - Air temp is 18 °C. Clear sky.
0500 - Air temp is 19 °C. Clear sky. Water is dark green.
0600 - Air temp is 22 °C. Clear sky.

[1] Reported by Imperial Irrigation District

[2] *Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.*

[3] Average of above data

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA

WATER ANALYSIS

Date Sampled: 6/22-6/23/98

Laboratory: California Department of Health Services, Los Angeles, CA

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1] (8-hr Comp.)	Results[2] (24-hr Comp.)	Ave.[3]	Max.[3]	Min.[3]	Units
MBAS	38260	425.1	0.025	0.145	0.091	1.31	3.18	0.025	mg/l
Total Phosphate as P	*665*	365.2	0.01	1.78	2.36	2.23	4.3	1.48	*mg/l*
Phenol	32730	420.1	0.002	0.017	0.008	0.008	0.029	ND	mg/l
Cyanide	720	335.2	0.01	ND	ND	0.00	0.01	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	3.5	5.4	5.7	10.6	3.8	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	ND	0.2	0.2	1.5	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	ND	ND	0.03	0.2	ND	mg/l
Hardness (as $CaCO_3$)	900	130.2	1	845	860	809	1040	645	mg/l
Total Alkalinity (as $CaCO_3$)	410	310.1	1	286	287	278	337	253	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	3160	2490	2683	3480	1970	mg/l
Total Suspended Solids	530	160.2	10	67	41	65	206	10	mg/l
Turbidity	82079	180.1	0.1	14	17	17	27	6	NTU
BOD_5 @ 20°C	310	410.4	2	12	9	19	31	9	mg/l
COD	340	405.1	5	33	33	44	61	28	mg/l

Constituent	Storet Code	Method	Reporting Limits		Results[1] (8-hr Comp.)	Results[2] (24-hr Comp.)	Ave.[3]	Max.[3]	Min.[3]	Units
			Graphite	Flame						
As-Arsenic	1002	A.A.	2	-	5	6	7	11	3	µg/l
Cd-Cadmium	1027	A.A.	1	-	ND	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	-	ND	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	-	ND	ND	2	10	ND	µg/l
Pb-Lead	1051	A.A.	10	-	ND	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	ND	51	30	127	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	ND	µg/l

Laboratory: ATS Laboratories, Brawley, CA

Fecal Coliform[4,5]	Storet Code	Results	Median[3]	Max.[3]	Min.[3]	Units
1100 (6/22)	316315	*300,000*	*265,000*	*1,700,000*	*20,000*	*MPN/100ml*
1200	316315	500,000	265,000	800,000	20,000	MPN/100ml
1300	316315	500,000	230,000	500,000	20,000	MPN/100ml
1400	316315	230,000	230,000	16,000,000	20,000	MPN/100ml
0300 (6/23)	316315	1,700,000	-	-	-	MPN/100ml
0400	316315	300,000	-	-	-	MPN/100ml
0500	316315	2,400,000	-	-	-	MPN/100ml
0600	316315	5,000,000	-	-	-	MPN/100ml

[1] Results are from the 8-hr composite sample collected on 6/22/98 from 0700-1400.

[2] Results are from the 24-hr composite sample collected on 6/22-6/23/98 from 0700-0600, and are not included in any calculations.

[3] Ave, median, max, & min values for the past 12 months

[4] Grab sample taken at the indicated time

[5] Analyzed by the Multiple Tube Fermentation Method

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 6/22-6/23/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	6/22/98 0900[2]	6/22/98 1200[2]	6/22/98 1500[2]	6/22/98 1800[2]	6/22/98 2100[2]	6/23/98 0000[2]	6/23/98 0300[2]	6/23/98 0600[2]	Detection Limits	Units
Benzene	34030	ND	ND	ND	ND	ND	ND	0.55	ND	0.5	µg/l
Bromobenzene	81555	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromochloromethane	A-012	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromodichloromethane	32101	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromoform	32104	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroethane	34311	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroform	32106	ND	ND	ND	ND	ND	ND	ND	0.56	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromomethane	77596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.57	0.50	0.51	0.57	0.64	0.60	0.92	0.94	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 6/22-6/23/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	6/22/98 0900[2]	6/22/98 1200[2]	6/22/98 1500[2]	6/22/98 1800[2]	6/22/98 2100[2]	6/23/98 0000[2]	6/23/98 0300[2]	6/23/98 0600[2]	Detection Limits	Units
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethyl benzene	34371	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Napthalene	34696	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Propylbenzene	77224	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Styrene	77128	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 6/22-6/23/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	6/22/98 0900[2]	6/22/98 1200[2]	6/22/98 1500[2]	6/22/98 1800[2]	6/22/98 2100[2]	6/23/98 0000[2]	6/23/98 0300[2]	6/23/98 0600[2]	Detection Limits	Units
1,1,1,2-Tetrachloroethane	77562	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Toluene	34010	1.2	1.5	1.1	1.5	1.1	1.8	3.9	3.0	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	ND	ND	ND	ND	ND	0.85	1.1	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	ND	ND	ND	ND	ND	1.3	0.86	0.5	µg/l
o-Xylene	77135	ND	ND	ND	ND	ND	ND	0.78	0.62	0.5	µg/l

ND = Not Detected

[1] USEPA Method 524.2

[2] Results are for each grab sample collected at the specified time/date, the first sample was collected @ 0900 on 6/22/98. The last was collected @ 0600 on 6/23/98.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 7/24/98

Sampling Team: Jose L. Angel and Steven Guarino

Time	Temp[1] °C	pH[1]	Dissol.[1] Oxygen mg/l	Specific[1] Cond. µmhos/cm	Settleable Solids[1] - ml/l		
					10 min.	30 min.	60 min.
0700	30.2	7.6	0.1	4140	0.1	0.2	0.2
0800	30.2	7.6	0.0	4150	0.2	0.2	0.2
0900	30.2	7.6	0.0	4190	0.2	0.2	0.2
1000	30.4	7.6	0.3	4180	0.1	0.2	0.2
1100	30.8	7.6	0.4	4120	0.3	0.3	0.3
1200	31.3	7.6	0.4	4180	0.3	0.4	0.4
1300	31.8	7.6	0.9	4090	0.4	-	-
1400	32.3	7.7	0.9	4020	-	-	-
Avg.[2]	30.9	7.6	0.4	4134	0.2	0.3	0.3
Avg.[3]	22.3	7.4	1.7	3720	0.1	0.2	0.2
Max.[4]	33.4	8.0	4.4	4780	1.1	1.1	1.1
Min.[4]	13.6	6.8	0.0	2920	<0.1	<0.1	<0.1

Observations:

0700 - Clear sky, color of River is dark green. White foam, mild sulfur-like smell; air temp is 12 °C.
0800 - Less foam than at 0700; air temp is 13 °C. No other changes.
0900 - Air temp is 16 °C. River water color is dark green; ther's still some foam, water level rose slightly.
1000 - Air temp is 29 °C. Sunny, river is dark green with foam.
1100 - Air temp is 24 °C. Same as 1000, but with much less foam.
1200 - Air temp is 23 °C. River is dark green, there is more foam than at 1100.
1300 - Air temp is 22 °C. No other changes.
1400 - Air temp is 22 °C. No other changes.

[1] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.
[2] Average of above data.
[3] Average of data for past 12 months.
[4] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA

WATER ANALYSIS

Date Sampled: 7/24/98

Laboratory: California Department of Health Services, Los Angeles, CA

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
MBAS	38260	425.1	0.025	0.246	0.54	1.77	0.086	mg/l
Total Phosphate as P	665	365.2	0.01	1.71	1.73	2.48	1.1	mg/l
Phenol	32730	420.1	0.002	0.008	0.010	0.024	ND	mg/l
Cyanide	720	335.2	0.01	ND	0.00	0.02	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	4.7	4.9	6.5	2.9	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	0.2	0.3	1.3	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	0.1	0.05	0.1	ND	mg/l
Hardness (as $CaCO_3$)	900	130.2	1	775	772	935	670	mg/l
Total Alkalinity (as $CaCO_3$)	410	310.1	1	268	272	296	253	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2490	2521	3160	2190	mg/l
Total Suspended Solids	530	160.2	10	52	70	206	14	mg/l
Turbidity	82079	180.1	0.1	12	13	27	7.4	NTU
BOD_5 @ 20°C	310	410.4	2	-	18	31	8	mg/l
COD	340	405.1	5	-	38	66	20	mg/l

Constituent	Storet Code	Method	Reporting Limits		Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
			Graphite	Flame					
As-Arsenic	1002	A.A.	2	-	7	5	7	ND	µg/l
Cd-Cadmium	1027	A.A.	1	-	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	-	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	-	ND	ND	ND	ND	µg/l
Pb-Lead	1051	A.A.	10	-	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	ND	ND	ND	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	µg/l

Laboratory: ATS Laboratories, Brawley, CA

Fecal Coliform[3,4]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	1,700,000	230,000	1,700,000	20,000	MPN/100ml
1200	316315	800,000	220,000	800,000	20,000	MPN/100ml
1300	316315	300,000	200,000	500,000	20,000	MPN/100ml
1400	316315	1,600,000	170,000	16,000,000	20,000	MPN/100ml

[1] Composite of eight grab samples collected @ 60 minute intervals.

[2] Ave, median, max, & min values for the past 12 months

[3] Grab sample taken at the indicated time

[4] Analyzed by the Multiple Tube Fermentation Method

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 7/24/98

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	0.51	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	1.1	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

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Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	1.9	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	0.63	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	0.79	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 0900

ND = Not Detected

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m,p-Xylenes	A-014	0.62	0.5	µg/l
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[1] USEPA Method 524.2; Grab sample taken @ 1200
ND = Not Detected

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COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 8/26/98

Sampling Team: Jose L. Angel and Steven Guarino

Time	Temp[1] °C	pH[1]	Dissol.[1] Oxygen mg/l	Specific[1] Cond. µmhos/cm	Settleable Solids[1] - ml/l		
					10 min.	30 min.	60 min.
0700	31.2	7.3	0.0	3620	0.2	0.2	0.2
0800	31.1	7.3	0.0	3620	0.2	0.3	0.3
0900	31.1	7.3	0.1	3620	0.1	0.3	0.4
1000	31.2	7.3	0.4	3630	0.2	0.2	0.3
1100	31.4	7.4	0.7	3620	0.2	0.2	0.3
1200	31.8	7.4	1.2	3590	<0.1	0.3	0.3
1300	32.1	7.4	1.7	3530	0.1	0.2	0.4
1400	32.4	7.5	1.9	3530	-	-	-
Avg.[2]	31.5	7.4	0.7	3595	0.1	0.2	0.3
Avg.[3]	22.3	7.4	1.7	3720	0.1	0.2	0.2
Max.[4]	33.4	8.0	4.4	4780	1.1	1.1	1.1
Min.[4]	13.6	6.8	0.0	2920	<0.1	<0.1	<0.1

Observations:

0700 - Very humid, color of River is dark green. Air temp is 12 °C, some white foam present, mild raw sewage smell.
0800 - Air temp is 36 °C. No other changes.
0900 - Air temp is 47 °C. Q/C sample collected (VOC's). Less foam than above. No other changes.
1000 - Air temp is 50 °C. No Other changes.
1100 - Air temp is 53 °C. A 1/2' dead carp was observed floating downstream.
1200 - Air temp is 45 °C. No foam.
1300 - Air temp is 45 °C. No other changes.
1400 - Air temp is 42 °C. No other changes.

[1] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.
[2] Average of above data.
[3] Average of data for past 12 months.
[4] Maximum and minimum values for the past 12 months.

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COLORADO RIVER BASIN REGION

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WATER ANALYSIS

Date Sampled: 8/26/98

Laboratory: California Department of Health Services, Los Angeles, CA

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
MBAS	38260	425.1	0.025	0.883	0.54	1.77	0.086	mg/l
Total Phosphate as P	665	365.2	0.01	1.49	1.73	2.48	1.1	mg/l
Phenol	32730	420.1	0.002	0.002	0.010	0.024	ND	mg/l
Cyanide	720	335.2	0.01	ND	0.00	0.02	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	2.9	4.9	6.5	2.9	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	ND	0.3	1.3	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	ND	0.05	0.1	ND	mg/l
Hardness (as $CaCO_3$)	900	130.2	1	700	772	935	670	mg/l
Total Alkalinity (as $CaCO_3$)	410	310.1	1	267	272	296	253	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2250	2521	3160	2190	mg/l
Total Suspended Solids	530	160.2	10	54	70	206	14	mg/l
Turbidity	82079	180.1	0.1	12.5	13	27	7.4	NTU
BOD_5 @ 20°C	310	410.4	2	16	18	31	8	mg/l
COD	340	405.1	5	66	38	66	20	mg/l

Constituent	Storet Code	Method	Reporting Limits		Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
			Graphite	Flame					
As-Arsenic	1002	A.A.	2	-	ND	5	7	ND	µg/l
Cd-Cadmium	1027	A.A.	1	-	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	-	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	-	ND	ND	ND	ND	µg/l
Pb-Lead	1051	A.A.	10	-	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	ND	ND	ND	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	µg/l

Laboratory: ATS Laboratories, Brawley, CA

Fecal Coliform[3,4]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	500,000	230,000	1,700,000	20,000	MPN/100ml
1200	316315	500,000	220,000	800,000	20,000	MPN/100ml
1300	316315	300,000	200,000	500,000	20,000	MPN/100ml
1400	316315	300,000	170,000	16,000,000	20,000	MPN/100ml

[1] Composite of eight grab samples collected @ 60 minute intervals.

[2] Ave, median, max, & min values for the past 12 months

[3] Grab sample taken at the indicated time

[4] Analyzed by the Multiple Tube Fermentation Method

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Bromoform	32104	ND	0.5	µg/l
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Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	ND	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 1200

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 9/29/98

Sampling Team: Liann Chavez and Dong Vu

Time	Temp[1] °C	pH[1]	Dissol.[1] Oxygen mg/l	Specific[1] Cond. µmhos/cm	Settleable Solids[1] - ml/l		
					10 min.	30 min.	60 min.
0700	24.0	7.4	0.9	4070	<0.1	0.1	0.1
0800	24.0	7.4	1.7	4090	<0.1	0.1	0.1
0900	23.9	7.4	1.1	4130	<0.1	0.1	0.1
1000	23.9	7.4	2.8	4200	0.25	0.3	0.3
1100	24.1	7.5	4.0	3960	0.4	0.4	0.4
1200	24.3	7.5	3.1	3940	<0.1	<0.1	<0.1
1300	24.6	7.5	3.5	3960	<0.1	<0.1	<0.1
1400	24.9	7.6	3.9	3970	0.2	0.2	-
Avg.[2]	24.2	7.5	2.6	4040	0.1	0.2	0.1
Avg.[3]	21.9	7.4	1.9	3765	0.1	0.2	0.2
Max.[4]	33.4	8.0	4.4	4780	1.1	1.1	1.1
Min.[4]	13.6	6.8	0.0	2920	<0.1	<0.1	<0.1

Observations:

0700 - Air temp is 22 °C. River color is dirty green. Fluffy solids present. Wind 2 mph SE.

0800 - Air temp is 23 °C. No other changes.

0900 - Less wind than before. No other changes.

1000 - Air temp is 27 °C. Wind 5 mph SE. No other changes. Dead dog was observed floating at 10:35.

1100 - Air temp is 29 °C. Wind gusts up to 15 mph.

1200 - Air temp is 31 °C. No other changes.

1300 - Air temp is 33 °C. No other changes. An overpowering septic odor came through; the water became darker, with floating scum and solids.

1400 - Air temp is 33 °C. Water is dark green, with fluffy solids. Wind gusts up to 15 mph SE.

[1] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[2] Average of above data

[3] Average of data for past 12 months

[4] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 9/29/98

Sampling Team: Jose L. Angel and Kola Olatunbosun

Time	Temp[1] °C	pH[1]	Dissol.[1] Oxygen mg/l	Specific[1] Cond. µmhos/cm	Settleable Solids[1] - ml/l		
					10 min.	30 min.	60 min.
1500	25.3	7.6	3.9	3940	0.3	0.3	0.3
1600	25.5	7.6	3.8	3930	0.2	0.4	0.4
1700	25.5	7.6	2.8	3930	0.1	0.3	0.3
1800	25.5	7.6	2.0	3950	0.1	0.2	0.2
1900	25.3	7.5	1.4	3980	0.1	0.2	0.2
2000	24.9	7.5	1.3	4000	<0.1	0.1	0.1
2100	24.5	7.5	1.4	4040	<0.1	<0.1	<0.1
2200	24.1	7.4	1.2	4030	<0.1	0.1	0.1
Avg.[2]	25.1	7.5	2.2	3975	0.1	0.2	0.2

Observations:

1500 - Air temp is 32 °C. Windy. River color is dark green, no foam.
1600 - Air temp is 33 °C. Same as above, but dustier.
1700 - Air temp is 31 °C. River color is a little darker. It's still windy.
1800 - Air temp is 27 °C. Windy (5-8 mph SE). Small turtle was seen on the River's bank.
1900 - Air temp is 26 °C. Winds calmed down. Sun set at 18:45. Mild septic odor.
2000 - Air temp is 21 °C. No other changes.
2100 - Air temp is 21 °C. Slightly more windy, River color changed to dark green.
2200 - Air temp is 24 °C. No other changes.

[1] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[2] Average of above data

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 9/29/98 - 9/30/98

Sampling Team: Orlando Gonzalez and Charles Springer

Time	Temp[1] °C	pH[1]	Dissol.[1] Oxygen mg/l	Specific[1] Cond. µmhos/cm	Settleable Solids[1] - ml/l		
					10 min.	30 min.	60 min.
2300	23.8	7.4	1.1	4030	<0.1	0.1	0.1
0000	23.5	7.4	1.3	4010	<0.1	0.1	0.2
0100	23.3	7.4	1.2	3950	<0.1	0.1	0.1
0200	23.2	7.4	1.1	3810	<0.1	0.1	0.1
0300	23.2	7.4	0.9	3800	0.1	0.1	0.2
0400	23.1	7.4	0.7	3780	<0.1	0.1	0.1
0500	22.9	7.4	0.9	3750	<0.1	0.1	0.2
0600	22.9	7.4	0.0	3730			
Avg.[2]	23.2	7.4	0.9	3858	0.0	0.1	0.1

Observations:

0700 - Air temp is 22 °C. Water color is dark pea green. More foam than before. No wind.
0000 - Air temp is 20 °C. Very small quantity of foam was floating on the River's surface. No other changes.
0100 - Air temp is 20 °C. Amount of foam has increased.
0200 - Air temp is 20 °C. Amount of foam has increased, Slight wind.
0300 - Air temp is 20 °C. Amount of foam has increased. No wind.
0400 - Air temp is 19 °C. River is gray/green. Slight wind.
0500 - Air temp is 19 °C. No wind.
0600 - Air temp is 19 °C.

[1] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.
[2] Average of above data

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA

WATER ANALYSIS

Date Sampled: 9/29-9/30/98

Laboratory: California Department of Health Services, Los Angeles, CA

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1] (8-hr Comp.)	Results[2] (24-hr Comp.)	Ave.[3]	Max.[3]	Min.[3]	Units
MBAS	38260	425.1	0.025	0.229	0.286	0.67	1.77	0.086	mg/l
Total Phosphate as P	665	365.2	0.01	1.86	1.72	1.76	2.48	1.1	mg/l
Phenol	32730	420.1	0.002	0.021	0.010	0.010	0.024	ND	mg/l
Cyanide	720	335.2	0.01	ND	ND	0.00	0.02	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	3.9	4.5	5.0	6.8	2.9	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	ND	ND	0.3	1.3	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	ND	0.04	0.04	0.1	ND	mg/l
Hardness (as $CaCO_3$)	900	130.2	1	700	710	771	935	670	mg/l
Total Alkalinity (as $CaCO_3$)	410	310.1	1	261	266	272	296	253	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2340	2330	2520	3160	2190	mg/l
Total Suspended Solids	530	160.2	10	14	86	57	99	14	mg/l
Turbidity	82079	180.1	0.1	10.7	11.1	13	21	7.4	NTU
BOD_5 @ 20°C	310	410.4	2	12	8	18	28	8	mg/l
COD	340	405.1	5	55	53	39	66	20	mg/l

Constituent	Storet Code	Method	Reporting Limits		Results[1] (8-hr Comp.)	Results[2] (24-hr Comp.)	Ave.[3]	Max.[3]	Min.[3]	Units
			Graphite	Flame						
As-Arsenic	1002	A.A.	2	-	5	5	5	7	ND	µg/l
Cd-Cadmium	1027	A.A.	1	-	ND	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	-	ND	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	-	ND	ND	ND	ND	ND	µg/l
Pb-Lead	1051	A.A.	10	-	ND	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	ND	51	ND	ND	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	ND	µg/l

Laboratory: ATS Laboratories, Brawley, CA

Fecal Coliform[4,5]	*Storet Code*	*Results*	*Median*[2]	*Max.*[2]	*Min.*[2]	Units
1100 (9/29)	316315	230,000	265,000	1,700,000	20,000	MPN/100ml
1200	316315	140,000	265,000	800,000	20,000	MPN/100ml
1300	316315	170,000	230,000	500,000	20,000	MPN/100ml
1400	316315	40,000	230,000	16,000,000	20,000	MPN/100ml
0300 (9/30)	316315	5,000,000	-	-	-	MPN/100ml
0400	316315	2,200,000	-	-	-	MPN/100ml
0500	316315	1,300,000	-	-	-	MPN/100ml
0600	316315	800,000	-	-	-	MPN/100ml

[1] Results are from the 8-hr composite sample collected on 9/29/98 from 0700-1400.

[2] Results are from the 24-hr composite sample collected on 9/29-9/30/98 from 0700-0600, and are not included in any calculations.

[3] Ave, median, max, & min values for the past 12 months

[4] Grab sample taken at the indicated time

[5] Analyzed by the Multiple Tube Fermentation Method

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 9/29-9/30/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	9/29/98 0900[2]	9/29/98 1200[2]	9/29/98 1500[2]	9/29/98 1800[2]	9/29/98 2100[2]	9/30/98 0000[2]	9/30/98 0300[2]	9/30/98 0600[2]	Detection Limits	Units
Benzene	34030	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromobenzene	81555	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromochloromethane	A-012	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromodichloromethane	32101	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromoform	32104	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroethane	34311	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroform	32106	0.85	ND	ND	ND	ND	0.75	ND	0.51	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromomethane	77596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.68	0.59	ND	0.62	0.61	0.69	0.64	0.68	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 9/29-9/30/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	9/29/98 0900[2]	9/29/98 1200[2]	9/29/98 1500[2]	9/29/98 1800[2]	9/29/98 2100[2]	9/30/98 0000[2]	9/30/98 0300[2]	9/30/98 0600[2]	Detection Limits	Units
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethyl benzene	34371	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Napthalene	34696	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Propylbenzene	77224	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Styrene	77128	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 9/29-9/30/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	9/29/98 0900[2]	9/29/98 1200[2]	9/29/98 1500[2]	9/29/98 1800[2]	9/29/98 2100[2]	9/30/98 0000[2]	9/30/98 0300[2]	9/30/98 0600[2]	Detection Limits	Units
1,1,1,2-Tetrachloroethane	77562	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Toluene	34010	0.58	ND	ND	ND	ND	1.8	ND	0.84	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
o-Xylene	77135	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

ND = Not Detected

[1] USEPA Method 524.2

[2] Results are for each grab sample collected at the specified time/date, the first sample was collected @ 0900 on 9/29/98. The last was collected @ 0600 on 9/30/98.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 10/27/98

Sampling Team: Jose L. Angel and Rafael Molina

Time	Temp[1] °C	pH[1]	Dissol.[1] Oxygen mg/l	Dissol.[2] Oxygen mg/l	Specific[1] Cond. µmhos/cm	Settleable Solids[1] - ml/l		
						10 min.	30 min.	60 min.
0700	20.0	7.5	0.0	-	2685	0.3	0.4	0.4
0800	19.9	7.5	0.0	2.3	2800	0.1	0.1	0.2
0900	19.9	7.5	0.0	2.2	2700	0.1	0.2	0.2
1000	20.1	7.5	0.0	2.9	2819	0.1	0.1	0.1
1100	20.4	7.5	0.0	2.9	2632	0.1	0.1	0.1
1200	20.7	7.5	0.0	3.2	2741	0.2	0.2	0.2
1300	21.1	7.6	0.0	3.6	2729	0.2	0.3	0.3
1400	21.4	7.5	0.0	3.4	2489	-	-	-
Avg.[3]	20.4	7.5	0.0	2.9	2699	0.2	0.2	0.2
Avg.[4]	21.8	7.4	1.8	-	3743	0.1	0.2	0.2
Max.[5]	33.4	8.0	4.4	-	4780	1.1	1.1	1.1
Min.[5]	13.6	6.8	0.0	-	2489	<0.1	<0.1	<0.1

Observations:

0700 - Color of river brownish/green with significant amounts of foam. Air temp - 20°C.
0800 - Same as above. * DO measurement taken with YSI DO Probe 55
0900 - Air temp - 24°C The sky is clear. No other changes.
1000 - Air temp - 26°C No changes.
1100 - Same as above. There is still considerable amount of foam.
1200 - Same as above.
1300 - Air temp - 27°C No changes.
1400 - Same as above.

[1] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.
[2] Dissolved oxygen measurment taken with: YSI DO Probe 55.
[3] Average of above data
[4] Average of data for past 12 months
[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA

WATER ANALYSIS

Date Sampled: 10/27/98

Laboratory: California Department of Health Services, Los Angeles, CA

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
MBAS	38260	425.1	0.025	1.024	0.54	1.77	0.086	mg/l
Total Phosphate as P	665	365.2	0.01	1.85	1.73	2.48	1.1	mg/l
Phenol	32730	420.1	0.002	0.017	0.010	0.024	ND	mg/l
Cyanide	720	335.2	0.01	ND	0.00	0.02	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	5.6	4.9	6.5	2.9	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	0.2	0.3	1.3	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	0.06	0.05	0.1	ND	mg/l
Hardness (as $CaCO_3$)	900	130.2	1	670	772	935	670	mg/l
Total Alkalinity (as $CaCO_3$)	410	310.1	1	268	272	296	253	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2190	2521	3160	2190	mg/l
Total Suspended Solids	530	160.2	10	59	70	206	14	mg/l
Turbidity	82079	180.1	0.1	13	13	27	7.4	NTU
BOD_5 @ 20°C	310	410.4	2	8	18	31	8	mg/l
COD	340	405.1	5	28	38	66	20	mg/l

Constituent	Storet Code	Method	Reporting Limits		Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
			Graphite	Flame					
As-Arsenic	1002	A.A.	2	-	5	5	7	ND	µg/l
Cd-Cadmium	1027	A.A.	1	-	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	-	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	-	ND	ND	ND	ND	µg/l
Pb-Lead	1051	A.A.	10	-	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	ND	ND	ND	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	µg/l

Laboratory: ATS Laboratories, Brawley, CA

Fecal Coliform[3,4]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	300,000	230,000	1,700,000	20,000	MPN/100ml
1200	316315	300,000	220,000	800,000	20,000	MPN/100ml
1300	316315	230,000	200,000	500,000	20,000	MPN/100ml
1400	316315	230,000	170,000	16,000,000	20,000	MPN/100ml

[1] Composite of eight grab samples collected @ 60 minute intervals.

[2] Ave, median, max, & min values for the past 12 months

[3] Grab sample taken at the indicated time

[4] Analyzed by the Multiple Tube Fermentation Method

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 10/27/98

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.56	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 10/27/98

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	ND	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 0900

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
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Date Sampled: 10/27/98

Laboratory: California Department of Health Services, Los Angeles, CA

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tert-Butylbenzene	77353	ND	0.5	µg/l
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1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.64	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
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CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 10/27/98

Laboratory: California Department of Health Services, Los Angeles, CA

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Ethyl benzene	34371	ND	0.5	µg/l
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Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
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1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
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1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
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o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 1200
ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 11/17/98

Sampling Team: Jose L. Angel and Rafael Molina

Time	Temp[1] °C	pH[1]	Dissol.[1] Oxygen mg/l	Specific[1] Cond. µmhos/cm	Settleable Solids[1] - ml/l		
					10 min.	30 min.	60 min.
0700	16.3	7.5	0.0	2880	0.1	0.2	0.2
0800	16.3	7.5	0.0	2875	0.1	0.1	0.1
0900	16.3	7.5	0.0	2964	0.1	0.1	0.1
1000	16.5	7.6	0.0	2904	<0.1	0.1	0.1
1100	16.8	7.6	0.0	2971	<0.1	<0.1	0.1
1200	17.0	7.7	0.0	2934	<0.1	<0.1	0.1
1300	17.3	7.7	0.0	2909	<0.1	<0.1	-
1400	17.6	8.2	0.0	2878	-	-	-
Avg.[2]	16.8	7.6	0.0	2914	<0.1	0.1	0.1
Avg.[3]	21.4	7.4	1.8	3735	0.1	0.2	0.2
Max.[4]	33.4	8.2	4.4	4780	1.1	1.1	1.1
Min.[4]	13.6	6.8	0.0	2489	<0.1	<0.1	<0.1

Observations:

0700 - The New River's water color is gray. There is considerable amount of foam on surface.
The sky is partly sunny. Air temp - 15°C.

0800 - Air temp - 15°C.

0900 - The sky is mostly clear. Water color is green/gray. There is still foam on surface. Slight breeze (E<5mph). Air tem

1000 - Mostly clear. Water color is green/gray. Scattered chunks of foam are present on the water surface.
There is a slight breeze (E<5mph). Air temp - 24°C.

1100 - Same as above. Slightly less foam. Air temp - 23°C.

1200 - Same as above.

1300 - Air temp is 26 °C. No foam. No other changes.

1400 - Air temp is 25 °C. Very little foam. No other changes.

[1] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[2] Average of above data

[3] Average of data for past 12 months

[4] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA

WATER ANALYSIS

Date Sampled: 11/17/98

Laboratory: California Department of Health Services, Los Angeles, CA

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
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Phenol	32730	420.1	0.002	0.024	0.010	0.024	ND	mg/l
Cyanide	720	335.2	0.01	ND	0.00	0.02	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	6.4	4.9	6.5	2.9	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	0.3	0.3	1.3	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	0.05	0.05	0.1	ND	mg/l
Hardness (as $CaCO_3$)	900	130.2	1	693	772	935	670	mg/l
Total Alkalinity (as $CaCO_3$)	410	310.1	1	267	272	296	253	mg/l
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Total Suspended Solids	530	160.2	10	72	70	206	14	mg/l
Turbidity	82079	180.1	0.1	21	13	27	7.4	NTU
BOD_5 @ 20°C	310	410.4	2	28	18	31	8	mg/l
COD	340	405.1	5	35	38	66	20	mg/l

Constituent	Storet Code	Method	Reporting Limits		Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
			Graphite	Flame					
As-Arsenic	1002	A.A.	2	-	4	5	7	ND	µg/l
Cd-Cadmium	1027	A.A.	1	-	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	-	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	-	ND	ND	ND	ND	µg/l
Pb-Lead	1051	A.A.	10	-	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	ND	ND	ND	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	µg/l

Laboratory: ATS Laboratories, Brawley, CA

Fecal Coliform[3,4]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	300,000	230,000	1,700,000	20,000	MPN/100ml
1200	316315	300,000	220,000	800,000	20,000	MPN/100ml
1300	316315	230,000	200,000	500,000	20,000	MPN/100ml
1400	316315	230,000	170,000	16,000,000	20,000	MPN/100ml

[1] Composite of eight grab samples collected @ 60 minute intervals.

[2] Ave, median, max, & min values for the past 12 months

[3] Grab sample taken at the indicated time

[4] Analyzed by the Multiple Tube Fermentation Method

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 11/17/98

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
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Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.67	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
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1,2-Dichloropropane	77170	ND	0.5	µg/l
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CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

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Laboratory: *California Department of Health Services, Los Angeles, CA*

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p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	0.52	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	0.84	0.5	µg/l
Toluene	34010	ND	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
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1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
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1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 0900

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 11/17/98

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.59	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 11/17/98

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	ND	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 1200
ND = Not Detected

PCL XL error

Subsystem: KERNEL

Error: IllegalStreamHeader

Operator: 0x0

Position: 0

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 12/8/98

Sampling Team: Jose L. Angel and Summer Bundy

Time	Temp[1] °C	pH[1]	Dissol.[1] Oxygen mg/l	Specific[1] Cond. µmhos/cm	Settleable Solids[1] - ml/l		
					10 min.	30 min.	60 min.
0700	11.3	7.5	0.0	1500	<0.1	0.1	0.1
0800	11.3	7.5	0.0	1590	<0.1	<0.1	<0.1
0900	11.5	7.5	0.0	1860	<0.1	<0.1	<0.1
1000	11.8	7.5	0.0	1550	<0.1	<0.1	0.3
1100	11.8	7.6	0.0	1610	0.1	0.1	0.2
1200	12.0	7.6	0.0	1590	0.2	0.5	0.5
1300	12.3	7.6	0.0	1800	0.2	0.2	0.3
1400	12.4	7.6	0.0	1640	0.1	0.2	0.5
Avg.[2]	11.8	7.5	0.0	1643	0.1	0.1	0.2
Avg.[3]	21.2	7.4	1.5	3576	0.1	0.2	0.2
Max.[4]	33.4	8.2	4.4	4780	1.1	1.1	1.1
Min.[4]	11.3	6.8	0.0	1500	<0.1	<0.1	<0.1

Observations:

0700 - Air temp - 5°C. Color of river dark green, some foam throughout water surface, mild septic odor.
0800 - Same as above plus large foam pillows.
0900 - Air temp - 10°C. Very little foam, otherwise same as above.
1000 - Air temp - 12°C. Almost no foam, otherwise same as above.
1200 - Air temp - 15°C. More foam than 1000 and 1100, some wind.
1300 - Air temp - 15°C.
1400 - Air temp - 15°C. Almost no foam. Wind - NW <5mph

[1] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.
[2] Average of above data
[3] Average of data for past 12 months
[4] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 12/8/98

Sampling Team: Danny McClure and Charles Springer

Time	Temp[1] °C	pH[1]	Dissol.[1] Oxygen mg/l	Specific[1] Cond. µmhos/cm	Settleable Solids[1] - ml/l		
					10 min.	30 min.	60 min.
1500	12.5	7.6	0.0	1840	0.1	0.2	0.2
1600	12.6	7.6	0.0	1660	0.2	0.2	0.3
1700	12.6	7.6	0.0	1860	0.1	0.3	0.3
1800	12.5	7.6	0.0	1960	0.2	0.3	0.4
1900	12.4	7.6	0.0	1920	0.2	0.4	0.4
2000	12.3	7.7	0.0	1730	0.3	0.3	0.4
2100	12.2	7.6	0.0	1700	<0.1	0.1	0.2
2200	12.1	7.6	0.0	1740	0.1	0.1	0.2
Avg.[4]	12.4	7.6	0.0	1801	0.2	0.2	0.3

Observations:

1500 - Air temp - 14°C. Some foam on river's surface.
1600 - Air temp - 13°C. Some foam, no wind.
1700 - Air temp - 12°C. Increasing amount of foam.
1800 - Air temp - 7°C. Foam covers 15-20% of river.
1900 - Air temp - 5°C. Foam decreasing to less than 10%.
2000 - Air temp - 5°C. Foam covers about 10% of river.
2100 - Air temp - 5°C. Foam increasing to 15-20% of river.
2200 - Air temp - 4°C. Foam cover about 20% of river.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.
[3] Dissolved oxygen measurment taken with: YSI DO Probe 55.
[4] Average of above data
[5] Average of data for past 12 months
[6] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 12/8/98 - 12/9/98

Sampling Team: Orlando Gozalez and Rafael Molina

Time	Temp[1] °C	pH[1]	Dissol.[1] Oxygen mg/l	Specific[1] Cond. µmhos/cm	Settleable Solids[1] - ml/l		
					10 min.	30 min.	60 min.
2300	12.0	7.6	0.0	1730	0.1	0.2	0.3
0000	11.8	7.6	0.0	1740	0.1	0.1	0.1
0100	11.6	7.6	0.0	1720	0.1	0.1	0.1
0200	11.6	7.6	0.0	1690	<0.1	0.1	0.1
0300	11.4	7.6	0.0	1660	0.1	0.1	0.1
0400	11.1	7.5	0.0	1690	0.1	0.1	0.1
0500	11.0	7.6	0.0	1700	<0.1	<0.1	<0.1
0600	10.9	7.6	0.0	1580	-	-	-
Avg.[4]	11.4	7.6	0.0	1689	0.1	0.1	0.1

Observations:

2300 - Air temp - 3°C. Foam covers about 20% of river.
0000 - Air temp - 2°C Foam has reduced to less than 10%.
0100 - Air temp - 2°C. No other changes.
0200 - Air temp - 0°C.
0300 - Air temp - 1°C. Considerable amount of foam on river's surface.
0400 - Air temp - 1°C
0500 - Air temp - 1°C
0600 - Air temp - 2°C. The sun has risen. Wind <5mph W There is more foam now than during past 8 hours.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.
[3] Dissolved oxygen measurment taken with: YSI DO Probe 55.
[4] Average of above data
[5] Average of data for past 12 months
[6] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA

WATER ANALYSIS

Date Sampled: 12/8-12/9/98

Laboratory: California Department of Health Services, Los Angeles, CA

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1] (8-hr Comp.)	Results[2] (24-hr Comp.)	Ave.[3]	Max.[3]	Min.[3]	Units
MBAS	38260	425.1	0.025	1.520	2.370	0.67	1.77	0.086	mg/l
Total Phosphate as P	665	365.2	0.01	1.92	2.27	1.76	2.48	1.1	mg/l
Phenol	32730	420.1	0.002	0.004	0.005	0.010	0.024	ND	mg/l
Cyanide	720	335.2	0.01	ND	ND	0.00	0.02	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	6.8	7.4	5.0	6.8	2.9	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	0.6	0.3	0.3	1.3	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	ND	0.03	0.04	0.1	ND	mg/l
Hardness (as $CaCO_3$)	900	130.2	1	730	720	771	935	670	mg/l
Total Alkalinity (as $CaCO_3$)	410	310.1	1	264	266	272	296	253	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2320	2320	2520	3160	2190	mg/l
Total Suspended Solids	530	160.2	10	54	53	57	99	14	mg/l
Turbidity	82079	180.1	0.1	21	24	13	21	7.4	NTU
BOD_5 @ 20°C	310	410.4	2	26	30	18	28	8	mg/l
COD	340	405.1	5	44	47	39	66	20	mg/l

Constituent	Storet Code	Method	Reporting Limits		Results[1] (8-hr Comp.)	Results[2] (24-hr Comp.)	Ave.[3]	Max.[3]	Min.[3]	Units
			Graphite	Flame						
As-Arsenic	1002	A.A.	2	-	3	3	5	7	ND	µg/l
Cd-Cadmium	1027	A.A.	1	-	ND	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	-	ND	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	-	ND	ND	ND	ND	ND	µg/l
Pb-Lead	1051	A.A.	10	-	ND	ND	ND	ND	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	ND	51	ND	ND	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	ND	µg/l

Laboratory: ATS Laboratories, Brawley, CA

Fecal Coliform[4,5]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100 (9/29)	316315	300,000	265,000	1,700,000	20,000	MPN/100ml
1200	316315	230,000	265,000	800,000	20,000	MPN/100ml
1300	316315	230,000	230,000	500,000	20,000	MPN/100ml
1400	316315	800,000	230,000	16,000,000	20,000	MPN/100ml
0300 (9/30)	316315	230,000	-	-	-	MPN/100ml
0400	316315	230,000	-	-	-	MPN/100ml
0500	316315	230,000	-	-	-	MPN/100ml
0600	316315	230,000	-	-	-	MPN/100ml

[1] Resutls are from the 8-hr composite sample collected on 12/8/98 from 0700-1400.

[2] *Resutls are from the 24-hr composite sample collected on 12/8-12/9/98 from 0700-0600, and are not included in any calculations.*

[3] Ave, median, max, & min values for the past 12 months

[4] *Grab sample taken at the indicated time*

[5] Analyzed by the Multiple Tube Fermentation Method

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 12/8-12/9/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	12/8/98 0900[2]	12/8/98 1200[2]	12/8/98 1500[2]	12/8/98 1800[2]	12/8/98 2100[2]	12/9/98 0000[2]	12/9/98 0300[2]	12/9/98 0600[2]	Detection Limits	Units
Benzene	34030	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromobenzene	81555	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromochloromethane	A-012	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromodichloromethane	32101	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromoform	32104	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroethane	34311	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroform	32106	0.85	ND	ND	ND	ND	0.75	ND	0.51	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromomethane	77596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.68	0.59	ND	0.62	0.61	0.69	0.64	0.68	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 12/8-12/9/98

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	12/8/98 0900[2]	12/8/98 1200[2]	12/8/98 1500[2]	12/8/98 1800[2]	12/8/98 2100[2]	12/9/98 0000[2]	12/9/98 0300[2]	12/9/98 0600[2]	Detection Limits	Units
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethyl benzene	34371	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND	ND	ND	0.63	ND	ND	ND	0.5	µg/l
Napthalene	34696	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Propylbenzene	77224	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Styrene	77128	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 12/8-12/9/98

Laboratory: *California Department of Health Services*

Analyte[1]	Storet Code	12/8/98 0900[2]	12/8/98 1200[2]	12/8/98 1500[2]	12/8/98 1800[2]	12/8/98 2100[2]	12/9/98 0000[2]	12/9/98 0300[2]	12/9/98 0600[2]	Detection Limits	Units
1,1,1,2-Tetrachloroethane	77562	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Toluene	34010	0.58	ND	ND	ND	ND	1.8	ND	0.84	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
o-Xylene	77135	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

ND = Not Detected

[1] USEPA Method 524.2

[2] Results are for each grab sample collected at the specified time/date, the first sample was collected @ 0900 on 12/8/98. The last was collected @ 0600 on 12/9/98.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 1/27/99

Sampling Team: Danny McClure and Rafael Molina

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	212	13.2	7.6	0.0	2270	0.1	0.2	0.2
0800	211	13.2	7.6	0.0	1770	0.1	0.2	0.2
0900	211	13.2	7.7	0.0	3374	0.2	0.4	0.5
1000	210	13.3	7.7	0.0	3422	0.4	0.8	0.9
1100	208	13.4	7.7	0.0	3283	0.5	1.5	2.0
1200	212	13.7	7.7	0.0	3333	1.0	1.8	2.0
1300	212	14.0	7.7	0.0	3281	0.7	1.2	1.4
1400	213	14.3	7.8	0.0	3196	-	-	-
Avg.[3]	211	13.5	7.7	0.0	2991	0.4	0.9	1.0
Avg.[4]	231	21.1	7.5	1.4	3527	0.2	0.2	0.3
Max.[5]	344	32.4	8.2	4.4	4310	1.1	1.8	2.0
Min.[5]	183	11.3	6.8	0.0	1500	<0.1	0.1	0.1

Observations:

0700 - Air temp is 8 °C. Mostly sunny. Slight Breeze (SW < 5 mph). Water color is gray. There's a slight amount of foam on New River's surface.

0800 - Air temp is 11 °C.

0900 - Air temp is 13 °C. Water color is gray/brown. There is no foam.

1000 - Air temp is 17 °C. Water color is dark gray.

1100 - Air temp is 20 °C. Water color is black. There is some foam on the surface. Sewage solids were observed.

1200 - Air temp is 21 °C.

1300 - Air temp is 22 °C. There is no foam, water color is even darker than before.

1400 - Air temp is 18 °C.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[3] Average of above data

[4] Average of data for past 12 months

[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA

WATER ANALYSIS

Date Sampled: 1/27/99

Laboratory: California Department of Health Services, Los Angeles, CA

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
MBAS	38260	425.1	0.025	2.08	0.73	2.08	0.086	mg/l
Total Phosphate as P	665	365.2	0.01	2.05	1.73	2.36	1.1	mg/l
Phenol	32730	420.1	0.002	0.006	0.010	0.024	ND	mg/l
Cyanide	720	335.2	0.01	ND	0.00	0.02	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	8.5	5.2	8.5	2.9	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	0.5	0.3	1.3	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	ND	0.03	0.1	ND	mg/l
Hardness (as $CaCO_3$)	900	353.2	1	800	773	935	670	mg/l
Total Alkalinity (as $CaCO_3$)	410	310.1	1	305	275	305	253	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2570	2528	3160	2190	mg/l
Total Suspended Solids	530	160.2	10	233	73	233	14	mg/l
Turbidity	82079	180.1	0.1	27	14	27	7.4	NTU
BOD_5 @ 20°C	310	405.1	2	20	18	28	8	mg/l
COD	340	410.4	5	32	38	66	20	mg/l

Constituent	Storet Code	Method	Reporting Limits		Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
			Graphite	Flame					
As-Arsenic	1002	A.A.	2	-	5	5	7	ND	µg/l
Cd-Cadmium	1027	A.A.	1	-	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	-	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	-	ND	ND	ND	ND	µg/l
Pb-Lead	1051	A.A.	10	-	10	1	10	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	78	7	78	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	µg/l

Laboratory: ATS Laboratories, Brawley, CA

Fecal Coliform[3,4]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	300,000	300,000	1,700,000	110,000	MPN/100ml
1200	316315	500,000	265,000	800,000	40,000	MPN/100ml
1300	316315	500,000	230,000	500,000	110,000	MPN/100ml
1400	316315	500,000	230,000	16,000,000	40,000	MPN/100ml

[1] Composite of eight grab samples collected @ 60 minute intervals.

[2] Ave, median, max, & min values for the past 12 months

[3] Grab sample taken at the indicated time

[4] Analyzed by the Multiple Tube Fermentation Method

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 1/27/99

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.65	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 1/27/99

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	1.3	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	1.5	0.5	µg/l
o-Xylene	77135	0.82	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 0900

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 1/27/99

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.60	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 1/27/99

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	1.4	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	1.5	0.5	µg/l
o-Xylene	77135	0.78	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 1200
ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 2/23/99

Sampling Team: Danny McClure and Rafael Molina

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	249	16.4	7.4	0.0	2050	0.1	0.2	0.2
0800	250	16.4	7.6	0.0	2080	0.1	0.2	0.2
0900	252	16.6	7.6	0.0	2140	0.1	0.2	0.2
1000	252	16.7	7.6	0.0	2170	0.1	0.1	0.1
1100	254	17.1	7.5	0.0	1930	0.2	0.2	0.3
1200	254	17.4	7.5	0.0	2020	0.1	0.2	0.2
1300	253	17.8	7.6	0.0	2520	0.1	0.1	0.2
1400	253	18.2	7.7	0.0	1940	-	-	-
Avg.[3]	252	17.1	7.6	0.0	2106	0.1	0.1	0.2
Avg.[4]	232	21.3	7.5	1.1	3349	0.2	0.2	0.3
Max.[5]	344	33.4	8.2	4.4	4780	1.1	1.8	2.0
Min.[5]	150	11.3	6.8	0.0	1500	<0.1	0.1	0.1

Observations:

0700 - Air temp is 10 °C. The sky is clear & sunny. There is a slight breeze (W < 1 mph). Water color is green/gray. There is a strong septic odor. There is some foam on the New River's surface.

0800 - Air temp is 18 °C. There is more foam than above.

0900 - Air temp is 23 °C.

1000 - Air temp is 28 °C.

1100 - Air temp is 29 °C.

1200 - Air temp is 32 °C. Mild breeze (N < 5 mph). No other changes.

1300 - Air temp is 28 °C.

1400 - Air temp is 27 °C.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[3] Average of above data

[4] Average of data for past 12 months

[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA

WATER ANALYSIS

Date Sampled: 2/23/99

Laboratory: California Department of Health Services, Los Angeles, CA

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
MBAS	38260	425.1	0.025	1.28	0.79	2.08	0.086	mg/l
Total Phosphate as P	665	365.2	0.01	1.80	1.79	2.36	1.36	mg/l
Phenol	32730	420.1	0.002	0.016	0.010	0.024	ND	mg/l
Cyanide	720	335.2	0.01	ND	0.00	0.02	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	6.7	5.3	8.5	2.9	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	0.5	0.3	1.3	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	0.07	0.03	0.1	ND	mg/l
Hardness (as $CaCO_3$)	900	353.2	1	930	787	935	670	mg/l
Total Alkalinity (as $CaCO_3$)	410	310.1	1	285	277	305	261	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	3040	2573	3160	2190	mg/l
Total Suspended Solids	530	160.2	10	56	70	233	14	mg/l
Turbidity	82079	180.1	0.1	12	15	27	9.2	NTU
BOD_5 @ 20°C	310	405.1	2	18	18	28	8	mg/l
COD	340	410.4	5	31	37	66	20	mg/l

Constituent	Storet Code	Method	Reporting Limits		Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
			Graphite	Flame					
As-Arsenic	1002	A.A.	2	-	6	5	7	ND	µg/l
Cd-Cadmium	1027	A.A.	1	-	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	-	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	-	ND	ND	ND	ND	µg/l
Pb-Lead	1051	A.A.	10	-	ND	1	10	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	ND	7	78	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	µg/l

Laboratory: ATS Laboratories, Brawley, CA

Fecal Coliform[3,4]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	230,000	300,000	1,700,000	110,000	MPN/100ml
1200	316315	230,000	265,000	800,000	40,000	MPN/100ml
1300	316315	230,000	230,000	500,000	110,000	MPN/100ml
1400	316315	300,000	230,000	16,000,000	40,000	MPN/100ml

[1] Composite of eight grab samples collected @ 60 minute intervals.

[2] Ave, median, max, & min values for the past 12 months

[3] Grab sample taken at the indicated time

[4] Analyzed by the Multiple Tube Fermentation Method

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 2/23/99

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	1.0	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.75	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 2/23/99

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	0.58	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	0.76	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 0900

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 2/23/99

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.52	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 2/23/99

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	0.65	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 1200
ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/24/99

Sampling Team: Jose L. Angel and Summer Bundy

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	293	18.4	7.4	0.0	2149	0.2	0.2	0.2
0800	292	18.5	7.7	0.0	2240	<0.1	<0.1	<0.1
0900	294	18.8	7.5	0.0	2310	0.2	0.2	0.2
1000	298	19.1	7.4	0.0	2100	0.1	0.2	0.2
1100	298	19.5	7.4	0.0	2170	1.0	1.2	1.2
1200	298	19.9	7.4	0.0	2250	0.1	0.2	0.2
1300	298	20.3	7.4	0.0	2120	0.2	0.2	0.3
1400	298	20.8	7.4	0.0	2200	0.1	0.1	0.2
Avg.[3]	296	19.4	7.4	0.0	2192	0.1	0.1	0.2
Avg.[4]	228	21.5	7.5	0.8	3233	0.2	0.2	0.3
Max.[5]	344	32.4	8.2	4.3	4310	1.1	1.8	2.0
Min.[5]	183	11.3	6.8	0.0	1500	<0.1	0.1	0.1

Observations:

0700 - Air temp is 18 °C. Sunny, no wind. Water color is gray/green. There is quite a bit of foam on the New River's surface. Mild septic odor.

0800 - Air temp is 26 °C. More foam than above. Large foam chunks cover most of the surface. Specific conductance (SC) probe readings are fluctuating between 200 and 2600 µmhos/cm.

0900 - Air temp is 29 °C. There's much less foam than before. Slight wind (N ~ 2 mph). SC probe readings are fluctuating between 90 ~ 1900 µmhos/cm.

1000 - Air temp is 30 °C. Very little foam. Mild septic odor.

1100 - Air temp is 31 °C. No foam. River's watercolor is grey/green.

1200 - Air temp is 31 °C.

1300 - Air temp is 32 °C.

1400 - Air temp is 28 °C.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[3] Average of above data

[4] Average of data for past 12 months

[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/24/99

Sampling Team: Rich Howe and Kola Olatunbosun

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
1500	298	21.1	7.4	0.0	2210	0.1	0.2	0.2
1600	298	21.2	7.4	0.0	2180	0.1	0.2	0.2
1700	298	21.3	7.0	0.0	2832	0.1	0.2	0.2
1800	300	21.3	7.3	0.0	2200	0.2	0.2	0.3
1900	299	21.1	7.4	0.0	1760	0.1	0.1	0.2
2000	297	20.9	7.4	0.0	2120	0.2	0.2	0.2
2100	295	20.5	7.4	0.0	2190	0.1	0.2	0.2
2200	294	20.5	7.4	0.0	1800	0.1	0.2	0.2
Avg.[3]	297	21.0	7.3	0.0	2162	0.1	0.2	0.2

Observations:

1430 - Sunny, slight wind. New River's watercolor is brown/green.

1500 - Air temp is 29.5 °C. Considerable amount of floating solids and materials (i.e. human wastes)

1600 - Air temp is 27 °C. River's watercolor is brown/green. Lots of foam. River is emanating a strong hydrogen sulfide odor.

1700 - Air temp is 25 °C. River's watercolor is dark brown/green. Installed 6 new batteries in Hydrolab.

1800 - Air temp is 22 °C. Water is darker than before. There is a constant flow of foam.

1900 - Air temp is 21 °C.

2000 - River's watercolor is taupe. SC probe readings are fluctuating between 1710 and 2120 µmhos/cm.

2100 - Air temp is 16 °C. Color remains unchanged. The hydrogen sulfide odor is stronger than before.

2200 - No changes.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[3] Average of above data

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/24-3/25/99

Sampling Team: Danny McClure and Rafael Molina

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
2300	293	20.6	7.4	0.0	1740	0.1	0.3	0.3
0000	292	20.4	7.4	0.0	1760	0.1	0.2	0.2
0100	290	20.3	7.4	0.0	1820	0.1	0.2	0.3
0200	286	20.3	7.4	0.0	1720	<0.1	<0.1	<0.1
0300	285	20.1	7.4	0.0	1600	<0.1	0.1	0.2
0400	283	19.9	7.5	0.0	1760	0.1	0.1	0.2
0500	282	19.5	7.4	0.0	1810	0.2	0.2	0.2
0600	280	19.4	7.4	0.0	2245	-	-	-
Avg.[3]	286	20.1	7.4	0.0	1807	0.1	0.2	0.2

Observations:

2300 - Air temp is 13 °C. Considerable amount of foam. There is a slight breeze (NW < 5 mph).
0000 - No changes.
0100 - Air temp is 11 °C.
0200 - Air temp is 10 °C.
0300 - Air temp is 10 °C.
0400 - Air temp is 10 °C.
0500 - Air temp is 11 °C. The sun has begun to rise.
0600 - Air temp is 13 °C. River's watercolor is gray/green.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.
[3] Average of above data

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA

WATER ANALYSIS

Date Sampled: 3/24-3/25/99

Laboratory: California Department of Health Services, Los Angeles, CA

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1] (8-hr Comp.)	Results[2] (24-hr Comp.)	Ave.[3]	Max.[3]	Min.[3]	Units
MBAS	38260	425.1	0.025	0.913	1.261	0.86	2.08	0.086	mg/l
Total Phosphate as P	665	365.2	0.01	1.16	1.24	1.77	2.36	1.16	mg/l
Phenol	32730	420.1	0.002	0.036	0.009	0.013	0.036	ND	mg/l
Cyanide	720	335.2	0.01	0.01	ND	0.00	0.02	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	5.7	5.9	5.4	8.5	2.9	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	0.4	0.2	0.3	1.3	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	0.04	0.07	0.03	0.1	ND	mg/l
Hardness (as $CaCO_3$)	900	353.2	1	850	850	789	935	670	mg/l
Total Alkalinity (as $CaCO_3$)	410	310.1	1	270	270	278	305	261	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2630	2670	2580	3160	2190	mg/l
Total Suspended Solids	530	160.2	10	33	45	68	233	14	mg/l
Turbidity	82079	180.1	0.1	12	12	15	27	10.7	NTU
BOD_5 @ 20°C	310	405.1	2	24	34	18	28	8	mg/l
COD	340	410.4	5	34	27	38	66	20	mg/l

Constituent	Storet Code	Method	Reporting Limits		Results[1] (8-hr Comp.)	Results[2] (24-hr Comp.)	Ave.[3]	Max.[3]	Min.[3]	Units
			Graphite	Flame						
As-Arsenic	1002	A.A.	2	-	6	5	5	7	ND	µg/l
Cd-Cadmium	1027	A.A.	1	-	ND	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	-	ND	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	-	ND	ND	ND	ND	ND	µg/l
Pb-Lead	1051	A.A.	10	-	ND	ND	1	10	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	ND	ND	7	78	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	ND	µg/l

Laboratory: ATS Laboratories, Brawley, CA

Fecal Coliform[4,5]	Storet Code	Results	Median[3]	Max.[3]	Min.[3]	Units
1100 (3/24)	316315	1,100,000	300,000	1,700,000	110,000	MPN/100ml
1200	316315	700,000	300,000	800,000	40,000	MPN/100ml
1300	316315	2,400,000	265,000	2,400,000	110,000	MPN/100ml
0300 (3/25)	316315	1,100,000	-	-	-	MPN/100ml
0400	316315	800,000	-	-	-	MPN/100ml
0500	316315	500,000	-	-	-	MPN/100ml
0600	316315	3,000,000	-	-	-	MPN/100ml

[1] Resutls are from the 8-hr composite sample collected on 3/24/99 from 0700-1400.

[2] Resutls are from the 24-hr composite sample collected on 3/24-3/25/99 from 0700-0600, and are not included in any calculations.

[3] Ave, median, max, & min values for the past 12 months

[4] Grab sample taken at the indicated time

[5] Analyzed by the Multiple Tube Fermentation Method

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/24-3/25/99

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	3/24/99 0900[2]	3/24/99 1200[2]	3/24/99 1500[2]	3/24/99 1800[2]	3/24/99 2100[2]	3/25/99 0000[2]	3/25/99 0300[2]	3/25/99 0600[2]	Detection Limits	Units
Benzene	34030	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromobenzene	81555	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromochloromethane	A-012	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromodichloromethane	32101	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromoform	32104	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroethane	34311	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroform	32106	ND	ND	ND	0.61	0.57	0.53	0.69	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromomethane	77596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND	ND	ND	1.1	ND	ND	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.52	0.50	0.60	0.87	1.0	0.77	0.62	0.54	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/24-3/25/99

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	3/24/99 0900[2]	3/24/99 1200[2]	3/24/99 1500[2]	3/24/99 1800[2]	3/24/99 2100[2]	3/25/99 0000[2]	3/25/99 0300[2]	3/25/99 0600[2]	Detection Limits	Units
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethyl benzene	34371	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND	ND	0.52	ND	ND	ND	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Napthalene	34696	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Propylbenzene	77224	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Styrene	77128	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/24-3/25/99

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	3/24/99 0900[2]	3/24/99 1200[2]	3/24/99 1500[2]	3/24/99 1800[2]	3/24/99 2100[2]	3/25/99 0000[2]	3/25/99 0300[2]	3/25/99 0600[2]	Detection Limits	Units
1,1,1,2-Tetrachloroethane	77562	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Toluene	34010	ND	ND	0.70	1.9	1.4	0.82	0.66	ND	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	ND	0.56	0.62	ND	ND	ND	ND	0.5	µg/l
o-Xylene	77135	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

ND = Not Detected

[1] USEPA Method 524.2

[2] Results are for each grab sample collected at the specified time/date, the first sample was collected @ 0900 on 3/24/99. The last was collected @ 0600 on 3/25/99.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 4/28/99

Sampling Team: Rafael Molina and Kola Olatunbosun

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2†] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0900	262	21.5	7.4	0.7	3867	0.2	0.3	0.3
1000	260	21.6	7.4	-0.4	3834	0.1	0.1	0.2
1100	263	21.8	7.4	-2.4	3885	0.2	0.2	0.2
1200	266	22.0	7.5	0.5	3860	0.2	0.2	0.3
1300	265	22.3	7.5	1.3	3857	0.1	0.2	0.2
1400	262	22.9	7.4	-0.7	3917	-	-	-
Avg.[3]	264	22.0	7.4	-0.2	3870	0.1	0.1	0.2
Avg.[4]	226	22.8	7.5	1.1	3911	<0.1	0.1	0.1
Max.[5]	292	33.4	8.0	4.4	4780	0.4	0.5	0.5
Min.[5]	150	13.6	6.9	0.0	2920	<0.1	<0.1	<0.1

Observations:

0700 - New River's watercolor is gray/green. There is no foam on River's surface. The sky is clear. There is no noticeable odor emanating from the River. Air temp is 17 °C.
0800 - Air temp is 26 °C. There is a slight breeze from the south.
0900 - Air temp is 26 °C. Breeze is coming from west now.
1000 - Air temp is 27 °C.
1100 - Air temp is 28 °C. Water color is gray. Wind gusts from north-west ± 20 mph
1200 - Air temp is 29 °C. No other changes.
1300 - Air temp is 32 °C.
1400 - Air temp is 30 °C.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter YSI Inc. instrument.
[3] Average of above data
[4] Average of data for past 12 months
[5] Maximum and minimum values for the past 12 months.
† YSI 6600 instrument readings (negative values) indicate that the DO probe is malfunctioning.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA

WATER ANALYSIS

Date Sampled: 4/28/99

Laboratory: California Department of Health Services, Los Angeles, CA

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
MBAS	38260	425.1	0.025	1.27	0.96	2.08	0.145	mg/l
Total Phosphate as P	00665	365.2	0.01	2.55	1.87	2.55	1.16	mg/l
Phenol	32730	420.1	0.002	ND	0.013	0.036	ND	mg/l
Cyanide	00720	335.2	0.01	ND	0.00	0.01	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	00610	350.2	0.05	4.8	5.4	8.5	2.9	mg/l
Nitrate - Nitrogen (NO_3-N)	00610	353.2	0.2	ND	0.2	0.6	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	00610	353.2	0.03	ND	0.03	0.1	ND	mg/l
Hardness (as $CaCO_3$)	00900	130.2	1	880	784	930	670	mg/l
Total Alkalinity (as $CaCO_3$)	00410	310.1	1	280	276	305	261	mg/l
Bicarbonate (HCO_3)	00440	310.1	1	342	342	342	342	mg/l
Carbonate (CO_3)	00445	310.1	1	ND	ND	ND	ND	mg/l
Hydroxide (OH)	71930	310.1	1	ND	ND	ND	ND	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2910	2573	3160	2190	mg/l
Total Suspended Solids	00530	160.2	10	45	68	233	14	mg/l
Turbidity	82079	180.1	0.1	15	15	27	11	NTU
BOD_5 @ 20°C	00310	405.1	2	18	18	28	8	mg/l
COD	00340	410.4	5	39	38	66	20	mg/l

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
As-Arsenic	01002	200.9	2	6	5	7	ND	µg/l
Cd-Cadmium	01027	200.9	1	ND	ND	ND	ND	µg/l
Cr-Chromium	01034	200.9	10	ND	ND	ND	ND	µg/l
Cu-Copper	01042	200.9	10	ND	ND	ND	ND	µg/l
Pb-Lead	01051	200.9	10	ND	1	10	ND	µg/l
Se-Selenium	01147	200.9	5	ND	ND	ND	ND	µg/l
Zn-Zinc	01092	289.1	50	113	16	113	ND	µg/l
Hg-Mercury	71900	245.1	1	ND	ND	ND	ND	µg/l

Laboratory: Regional Board Laboratory

Fecal Coliform[3,4]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	220,000	300,000	1,700,000	220,000	MPN/100ml
1200	316315	140,000	300,000	800,000	140,000	MPN/100ml
1300	316315	110,000	265,000	2,400,000	110,000	MPN/100ml
1400	316315	110,000	230,000	16,000,000	40,000	MPN/100ml

[1] Composite of eight grab samples collected @ 60 minute intervals.

[2] Ave, median, max, & min values for the past 12 months

[3] Grab sample taken at the indicated time

[4] Analyzed by the Multiple Tube Fermentation Method

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 4/28/99

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	ND	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 4/28/99

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	ND	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 0900

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 4/28/99

Laboratory: California Department of Health Services, Los Angeles, CA

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Bromoform	32104	ND	0.5	µg/l
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n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
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Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
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1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
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1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 4/28/99

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	ND	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 1200
ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 5/19/99

Sampling Team: Jose L. Angel and Rafael Molina

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	264	22.4	7.5	0.0	3959	0.1	0.2	0.2
0800	260	22.7	7.8	0.0	3972	0.1	0.2	0.2
0900	260	23.2	7.5	0.0	4056	0.1	0.1	0.1
1000	260	Equipment malfunction, therefore no data available.			4056	<0.1	<0.1	<0.1
1100	258				3770	<0.1	0.1	0.1
1200	257				3842	<0.1	0.1	0.1
1300	256				4199	<0.1	0.1	0.1
1400	254				3829	-	-	-
Avg.[3]	259	22.8	7.6	0.0	3960	<0.1	0.1	0.1
Avg.[4]	226	22.8	7.5	1.1	3911	<0.1	0.1	0.1
Max.[5]	292	33.4	8.0	4.4	4780	0.4	0.5	0.5
Min.[5]	150	13.6	6.9	0.0	2920	<0.1	<0.1	<0.1

Observations:

0700 - New River watercolor is olive green. There is a strong foul odor emanating from the River. There is very little foam on the River's surface. The sky is clear. Breeze (NW<5 mph). Air temp 25 °C.

0800 - Air temp is 32 °C.

0900 - Air temp is 33 °C.

1000 - Air temp is 28 °C. Hydrolab is not functioning properly. Gentle wind from the north.

1100 - No changes.

1200 - Air temp is 38 °C.

1300 - Air temp is 39 °C.

1400 - No changes.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter hydrolab instrument.

[3] Average of above data

[4] Average of data for past 12 months

[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA

WATER ANALYSIS

Date Sampled: 5/19/99

Laboratory: California Department of Health Services, Los Angeles, CA

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
MBAS	38260	425.1	0.025	0.36	0.98	2.08	0.145	mg/l
Total Phosphate as P	665	365.2	0.01	1.72	1.81	2.55	1.16	mg/l
Phenol	32730	420.1	0.002	0.005	0.013	0.036	ND	mg/l
Cyanide	720	335.2	0.01	ND	0.00	0.01	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	4.2	5.3	8.5	2.9	mg/l
Nitrate - Nitrogen (NO_3-N)	610	353.2	0.2	ND	0.2	0.6	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	610	353.2	0.03	ND	0.03	0.1	ND	mg/l
Hardness (as $CaCO_3$)	900	130.2	1	770	ND	ND	ND	mg/l
Total Alkalinity (as $CaCO_3$)	410	310.1	1	261	ND	ND	ND	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2490	2552	3160	2190	mg/l
Total Suspended Solids	530	160.2	10	32	64	233	14	mg/l
Turbidity	82079	180.1	0.1	11	15	27	11	NTU
BOD_5 @ 20°C	310	410.4	2	17	18	28	8	mg/l
COD	340	405.1	5	42	40	66	28	mg/l

Constituent	Storet Code	Method	Reporting Limits		Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
			Graphite	Flame					
As-Arsenic	1002	A.A.	2	-	6	5	7	ND	µg/l
Cd-Cadmium	1027	A.A.	1	-	ND	ND	ND	ND	µg/l
Cr-Chromium	1034	A.A.	10	-	ND	ND	ND	ND	µg/l
Cu-Copper	1042	A.A.	10	-	ND	ND	ND	ND	µg/l
Pb-Lead	1051	A.A.	10	-	ND	1	10	ND	µg/l
Se-Selenium	1147	A.A.	5	-	ND	ND	ND	ND	µg/l
Zn-Zinc	1092	EPA-212.3	-	50	124	26	124	ND	µg/l
Hg-Mercury	71900	EPA-245.1	1	-	ND	ND	ND	ND	µg/l

Laboratory: Regional Board Laboratory

Fecal Coliform[3,4]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	130,000	300,000	1,700,000	130,000	MPN/100ml
1200	316315	80,000	265,000	800,000	80,000	MPN/100ml
1300	316315	80,000	230,000	2,400,000	80,000	MPN/100ml
1400	316315	40,000	230,000	16,000,000	40,000	MPN/100ml

[1] Composite of eight grab samples collected @ 60 minute intervals.

[2] Ave, median, max, & min values for the past 12 months

[3] Grab sample taken at the indicated time

[4] Analyzed by the Multiple Tube Fermentation Method

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 5/19/99

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	ND	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 5/19/99

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	ND	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 0900

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 5/19/99

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
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Bromobenzene	81555	ND	0.5	µg/l
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n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
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Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
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cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
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CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 5/19/99

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	ND	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
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1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
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1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 1200
ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 6/22/99

Sampling Team: Jose L. Angel and Summer Bundy

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	249	28.2	7.8	0.0	4560	0.1	0.2	0.2
0800	246	28.2	7.8	0.0	4550	0.2	0.2	0.2
0900	246	28.3	7.8	0.0	4570	<0.1	<0.1	<0.1
1000	248	28.4	7.8	0.0	4560	<0.1	0.1	0.1
1100	250	28.6	7.7	0.0	4030	<0.1	<0.1	<0.1
1200	251	29.0	7.7	0.0	3870	<0.1	<0.1	<0.1
1300	249	29.4	7.7	0.0	4530	<0.1	<0.1	<0.1
1400	250	29.8	7.8	0.0	4700	<0.1	0.5	0.5
Avg.[3]	249	28.7	7.7	0.0	4421	<0.1	0.1	0.1
Avg.[4]	226	22.8	7.5	1.1	3911	<0.1	0.1	0.1
Max.[5]	292	33.4	8.0	4.4	4780	0.4	0.5	0.5
Min.[5]	150	13.6	6.9	0.0	2920	<0.1	<0.1	<0.1

Observations:

0700 - Air temp is 27 °C. New River's watercolor is green/brown. Noticeable amounts of floating solids and a minor amount of foam.
0800 - Air temp is 28 °C.
0900 - Air temp is 32 °C. River's watercolor is greenish. Floating solids observed. Raw sewage smell.
1000 - Air temp is 38 °C.
1100 - Air temp is 38 °C.
1200 - Air temp is 39 °C.
1300 - Air temp is 41 °C. Wind from southeast.
1400 - Air temp is 42 °C.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter YSI Inc. instrument.
[3] Average of above data
[4] Average of data for past 12 months
[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 6/22/99

Sampling Team: Danny McClure and Kola Olatunbosun

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
1500	250	30.2	7.8	0.0	4730	0.1	0.2	0.2
1600	249	30.5	7.8	0.0	4730	0.5	0.6	0.8
1700	249	30.8	7.8	0.0	4740	0.4	0.5	0.5
1800	249	30.8	7.8	0.0	4750	0.1	0.2	0.2
1900	248	30.7	7.8	0.0	4680	0.2	0.3	0.4
2000	245	30.4	7.8	0.0	4690	0.1	0.2	0.2
2100	245	30.2	7.8	0.0	4670	0.1	0.1	0.1
2200	242	29.8	7.8	0.0	4710	0.1	0.1	0.1
Avg.[3]	247	30.4	7.8	0.0	4713	0.1	0.2	0.2

Observations:

1500 - Air temp is 45 °C. No other changes.
1600 - Air temp is 43 °C. River's watercolor is green.
1700 - Air temp is 43 °C.
1800 - Air temp is 41 °C.
1900 - Air temp is 35 °C.
2000 - Air temp is 34 °C.
2100 - Air temp is 34 °C.
2200 - Air temp is 32 °C.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter YSI Inc. instrument.
[3] Average of above data

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 6/22-6/23/99

Sampling Team: Orlando Gonzalez and Rafael Molina

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
2300	239	29.7	7.8	0.0	4670	0.4	0.4	0.5
0000	238	29.7	7.8	0.0	4690	0.2	0.3	0.4
0100	236	29.5	7.8	0.0	4740	0.1	0.2	0.4
0200	235	29.4	7.8	0.0	4750	<0.1	0.1	0.1
0300	238	28.9	7.8	0.0	4750	0.1	0.2	0.3
0400	236	28.7	7.8	0.0	4650	<0.1	0.1	0.1
0500	230	28.4	7.8	0.0	4660	0.1	0.1	0.2
0600	225	28.1	7.8	0.0	4700	-	-	-
Avg.[3]	235	29.0	7.8	0.0	4701	0.1	0.2	0.3

Observations:

2300 - Air temp is 30 °C. Slight breeze from the southeast.
0000 - Air temp is 29 °C.
0100 - Air temp is 29 °C.
0200 - Air temp is 28 °C.
0300 - Air temp is 25 °C. Small foam clusters were observed.
0400 - Air temp is 24 °C.
0500 - Air temp is 23 °C. The sun has begun to rise.
0600 - Air temp is 23 °C. River's watercolor is pea green. The sky is clear and sunny.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter YSI Inc. instrument.
[3] Average of above data

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA

WATER ANALYSIS

Date Sampled: 6/22-6/23/99

Laboratory: California Department of Health Services, Los Angeles, CA

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1] (8-hr Comp.)	Results[2] (24-hr Comp.)	Ave.[3]	Max.[3]	Min.[3]	Units
MBAS	38260	425.1	0.025	0.255	0.344	0.99	2.08	0.229	mg/l
Total Phosphate as P	00665	365.2	0.01	1.66	2.14	1.80	2.55	1.16	mg/l
Phenol	32730	420.1	0.002	ND	ND	0.013	0.036	ND	mg/l
Cyanide	00720	335.2	0.01	ND	ND	0.00	0.01	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	00610	350.2	0.05	3.5	2.3	5.3	8.5	2.9	mg/l
Nitrate - Nitrogen (NO_3-N)	00610	353.2	0.2	ND	ND	0.2	0.6	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	00610	353.2	0.03	ND	ND	0.03	0.1	ND	mg/l
Hardness (as $CaCO_3$)	00900	130.2	1	810	810	776	930	670	mg/l
Total Alkalinity (as $CaCO_3$)	00410	310.1	1	259	260	271	305	259	mg/l
Bicarbonate (HCO_3)	00440	310.1	1	294	317	318	342	294	mg/l
Carbonate (CO_3)	00445	310.1	1	11	ND	6	11	ND	mg/l
Hydroxide (OH)	71930	310.1	1	ND	ND	ND	ND	ND	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2630	2660	2508	3040	2190	mg/l
Total Suspended Solids	00530	160.2	10	39	43	62	233	14	mg/l
Turbidity	82079	180.1	0.1	16	20	15	27	11	NTU
BOD_5 @ 20°C	00310	405.1	2	32	51	20	32	8	mg/l
COD	00340	410.4	5	55	48	42	66	28	mg/l

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1] (8-hr Comp.)	Results[2] (24-hr Comp.)	Ave.[3]	Max.[3]	Min.[3]	Units
As-Arsenic	01002	200.9	2	6	7	5	7	ND	µg/l
Cd-Cadmium	01027	200.9	1	ND	ND	ND	ND	ND	µg/l
Cr-Chromium	01034	200.9	10	ND	ND	ND	ND	ND	µg/l
Cu-Copper	01042	200.9	10	ND	10	ND	ND	ND	µg/l
Pb-Lead	01051	200.9	10	ND	ND	1	10	ND	µg/l
Se-Selenium	01147	200.9	5	ND	ND	ND	ND	ND	µg/l
Zn-Zinc	01092	289.1	50	68	234	32	124	ND	µg/l
Hg-Mercury	71900	245.1	1	ND	ND	ND	ND	ND	µg/l

Laboratory: Regional Board Laboratory

Fecal Coliform[4,5]	Storet Code	Results	Median[3]	Max.[3]	Min.[3]	Units
1100 (6/22)	316315	500,000	300,000	1,700,000	130,000	MPN/100ml
1200	316315	1,100,000	265,000	1,100,000	80,000	MPN/100ml
1300	316315	500,000	230,000	2,400,000	80,000	MPN/100ml
1400	316315	1,300,000	300,000	16,000,000	40,000	MPN/100ml
0300 (6/23)	316315	300,000	-	-	-	MPN/100ml
0500	316315	220,000	-	-	-	MPN/100ml
0600	316315	500,000	-	-	-	MPN/100ml

[1] Results are from the 8-hr composite sample collected on 6/22/99 from 0700-1400.

[2] Results are from the 24-hr composite sample collected on 6/22-6/23/99 from 0700-0600, and are not included in any calculations.

[3] Ave, median, max, & min values for the past 12 months

[4] Grab sample taken at the indicated time

[5] Analyzed by the Multiple Tube Fermentation Method

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 6/22-6/23/99

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	6/22/99 0900[2]	6/22/99 1200[2]	6/22/99 1500[2]	6/22/99 1800[2]	6/22/99 2100[2]	6/23/99 0000[2]	6/23//99 0300[2]	6/23/99 0600[2]	Detection Limits	Units
Benzene	34030	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromobenzene	81555	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromochloromethane	A-012	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromodichloromethane	32101	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromoform	32104	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroethane	34311	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroform	32106	ND	ND	ND	0.57	0.59	ND	ND	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromomethane	77596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND	ND	ND	1.1	ND	ND	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.86	1.2	1.1	1.5	1.4	0.99	0.90	0.72	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 6/22-6/23/99

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	6/22/99 0900[2]	6/22/99 1200[2]	6/22/99 1500[2]	6/22/99 1800[2]	6/22/99 2100[2]	6/23/99 0000[2]	6/23//99 0300[2]	6/23/99 0600[2]	Detection Limits	Units
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethyl benzene	34371	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND	0.59	1.4	0.90	0.61	0.52	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND	0.56	ND	ND	ND	0.72	ND	0.5	µg/l
Napthalene	34696	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Propylbenzene	77224	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Styrene	77128	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 6/22-6/23/99

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	6/22/99 0900[2]	6/22/99 1200[2]	6/22/99 1500[2]	6/22/99 1800[2]	6/22/99 2100[2]	6/23/99 0000[2]	6/23//99 0300[2]	6/23/99 0600[2]	Detection Limits	Units
1,1,1,2-Tetrachloroethane	77562	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Toluene	34010	1.2	1.1	2.0	4.7	3.2	1.4	1.3	0.93	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	ND	0.59	0.55	1.6	ND	ND	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	ND	0.76	0.73	1.7	0.58	0.54	ND	0.5	µg/l
o-Xylene	77135	ND	ND	ND	ND	0.90	ND	ND	ND	0.5	µg/l

ND = Not Detected

[1] USEPA Method 524.2

[2] Results are for each grab sample collected at the specified time/date, the first sample was collected @ 0900 on 6/22/99. The last was collected @ 0600 on 6/23/99.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 7/21/99

Sampling Team: Rafael Molina and Kola Olatunbosun

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2†] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	263	27.0	7.8	2.0	4000	<0.1	<0.1	<0.1
0800	262	27.0	7.8	3.0	4009	0.1	0.2	0.2
0900	261	27.4	7.8	3.3	4025	<0.1	0.1	0.1
1000	263	27.7	7.8	2.5	4041	<0.1	<0.1	0.1
1100	264	28.0	7.8	3.5	4019	<0.1	0.1	0.1
1200	262	28.5	7.8	6.5	4000	<0.1	<0.1	<0.1
1300	264	29.1	7.8	8.9	3997	<0.1	<0.1	<0.1
1400	263	29.6	7.9	11.5	3937	-	-	-
Avg.[3]	263	28.0	7.8	5.1	4004	0.1	0.1	0.2
Avg.[4]	226	22.8	7.5	1.1	3911	<0.1	0.1	0.1
Max.[5]	292	33.4	8.0	4.4	4780	0.4	0.5	0.5
Min.[5]	150	13.6	6.9	0.0	2920	<0.1	<0.1	<0.1

Observations:

0700 - Air temp is 30 °C. New River's watercolor is gray/green. There is very little foam on the River's surface. There is a small amount of floating debris. The sky is clear and sunny. Slight breeze (N < 5 mph). The foul (hydrogen sulfide) odor that normally emanates from the River is not as strong as usual.

0800 - Air temp is 31 °C.

0900 - Air temp is 31 °C. Sewage solids observed floating on the River. A water heater/tank was also observed floating on the River's surface.

1000 - Air temp is 38 °C.

1100 - Air temp is 41 °C.

1200 - Air temp is 42 °C.

1300 - Air temp is 42 °C.

1400 - Air temp is 43 °C.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter YSI Inc. instrument.

[3] Average of above data

[4] Average of data for past 12 months

[5] Maximum and minimum values for the past 12 months.

[†] YSI 6600 instrument readings indicate that the DO probe is malfunctioning.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA

WATER ANALYSIS

Date Sampled: 7/21/99

Laboratory: California Department of Health Services, Los Angeles, CA

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
MBAS	38260	425.1	0.025	1.23	1.07	2.08	0.229	mg/l
Total Phosphate as P	00665	365.2	0.01	1.58	1.79	2.55	1.16	mg/l
Phenol	32730	420.1	0.002	0.002	0.012	0.036	ND	mg/l
Cyanide	00720	335.2	0.01	ND	0.00	0.01	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	00610	350.2	0.05	4.0	5.3	8.5	2.9	mg/l
Nitrate - Nitrogen (NO_3-N)	00610	353.2	0.2	ND	0.2	0.6	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	00610	353.2	0.03	ND	0.02	0.07	ND	mg/l
Hardness (as $CaCO_3$)	00900	130.2	1	800	778	930	670	mg/l
Total Alkalinity (as $CaCO_3$)	00410	310.1	1	255	270	305	255	mg/l
Bicarbonate (HCO_3)	00440	310.1	1	311	316	342	294	mg/l
Carbonate (CO_3)	00445	310.1	1	ND	4	11	ND	mg/l
Hydroxide (OH)	71930	310.1	1	ND	ND	ND	ND	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2620	2518	3040	2190	mg/l
Total Suspended Solids	00530	160.2	10	28	60	233	14	mg/l
Turbidity	82079	180.1	0.1	11	15	27	11	NTU
BOD_5 @ 20°C	00310	405.1	2	15	20	32	8	mg/l
COD	00340	410.4	5	41	42	66	28	mg/l

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
As-Arsenic	01002	200.9	2	5	5	6	ND	µg/l
Cd-Cadmium	01027	200.9	1	ND	ND	ND	ND	µg/l
Cr-Chromium	01034	200.9	10	ND	ND	ND	ND	µg/l
Cu-Copper	01042	200.9	10	ND	ND	ND	ND	µg/l
Pb-Lead	01051	200.9	10	ND	1	10	ND	µg/l
Se-Selenium	01147	200.9	5	ND	ND	ND	ND	µg/l
Zn-Zinc	01092	289.1	50	60	37	124	ND	µg/l
Hg-Mercury	71900	245.1	1	ND	ND	ND	ND	µg/l

Laboratory: Regional Board Laboratory

Fecal Coliform[3,4]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	130,000	300,000	1,100,000	130,000	MPN/100ml
1200	316315	230,000	230,000	1,100,000	80,000	MPN/100ml
1300	316315	130,000	230,000	2,400,000	80,000	MPN/100ml
1400	316315	130,000	230,000	1,300,000	40,000	MPN/100ml

[1] Composite of eight grab samples collected @ 60 minute intervals.

[2] Ave, median, max, & min values for the past 12 months

[3] Grab sample taken at the indicated time

[4] Analyzed by the Multiple Tube Fermentation Method

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 7/21/99

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.63	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 7/21/99

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	ND	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 0900

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
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Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
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Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
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CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

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Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	ND	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 1200
ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 8/31/99

Sampling Team: Danny McClure and Rafael Molina

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	191	30.2	7.5	0.0	4370	<0.1	0.1	0.1
0800	189	30.1	7.5	0.0	4320	<0.1	0.1	0.1
0900	191	30.1	7.5	0.0	4250	<0.1	0.1	0.1
1000	195	30.3	7.5	0.0	4360	<0.1	<0.1	0.1
1100	199	30.8	7.6	0.0	4270	<0.1	0.1	0.1
1200	201	31.2	7.6	0.0	4260	<0.1	0.1	0.1
1300	204	31.9	7.6	0.0	4170	<0.1	<0.1	0.1
1400	205	32.3	7.6	0.0	4500	<0.1	0.1	0.1
Avg.[3]	197	30.9	7.6	0.0	4313	<0.1	0.1	0.1
Avg.[4]	226	22.8	7.5	1.1	3911	<0.1	0.1	0.1
Max.[5]	292	33.4	8.0	4.4	4780	0.4	0.5	0.5
Min.[5]	150	13.6	6.9	0.0	2920	<0.1	<0.1	<0.1

Observations:

0700 - Air temp is 29 °C. New River's watercolor is olive green. There is a very strong septic odor emanating from the River. There is no foam on the River's surface. There is a slight breeze (SE < 5 mph). There is a great number of white insects present in the area. A 10"-12" fish was observed floating in the River.

0800 - Air temp is 34 °C.

0900 - Air temp is 39 °C. A 10"-12" turtle was seen gasping for air. There is some foam on River's surface.

1000 - Air temp is 39 °C.

1100 - Air temp is 39 °C.

1200 - Air temp is 40 °C.

1300 - Air temp is 40 °C.

1400 - Air temp is 40 °C.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter YSI Inc. instrument.

[3] Average of above data

[4] Average of data for past 12 months

[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA

WATER ANALYSIS

Date Sampled: 8/31/99

Laboratory: California Department of Health Services, Los Angeles, CA

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
MBAS	38260	425.1	0.025	1.36	1.11	2.08	0.229	mg/l
Total Phosphate as P	00665	365.2	0.01	2.15	1.85	2.55	1.16	mg/l
Phenol	32730	420.1	0.002	0.012	0.013	0.036	ND	mg/l
Cyanide	00720	335.2	0.01	ND	0.00	0.01	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	00610	350.2	0.05	5.7	5.5	8.5	3.5	mg/l
Nitrate - Nitrogen (NO_3-N)	00610	353.2	0.2	ND	0.2	0.6	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	00610	353.2	0.03	ND	0.02	0.07	ND	mg/l
Hardness (as $CaCO_3$)	00900	130.2	1	800	786	930	670	mg/l
Total Alkalinity (as $CaCO_3$)	00410	310.1	1	267	270	305	255	mg/l
Bicarbonate (HCO_3)	00440	310.1	1	326	318	342	294	mg/l
Carbonate (CO_3)	00445	310.1	1	ND	3	11	ND	mg/l
Hydroxide (OH)	71930	310.1	1	ND	ND	ND	ND	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2710	2557	3040	2190	mg/l
Total Suspended Solids	00530	160.2	10	33	58	233	14	mg/l
Turbidity	82079	180.1	0.1	18	16	27	11	NTU
BOD_5 @ 20°C	00310	405.1	2	18	20	32	8	mg/l
COD	00340	410.4	5	43	40	55	28	mg/l

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
As-Arsenic	01002	200.9	2	5	5	6	3	µg/l
Cd-Cadmium	01027	200.9	1	ND	ND	ND	ND	µg/l
Cr-Chromium	01034	200.9	10	ND	ND	ND	ND	µg/l
Cu-Copper	01042	200.9	10	ND	ND	ND	ND	µg/l
Pb-Lead	01051	200.9	10	ND	1	10	ND	µg/l
Se-Selenium	01147	200.9	5	ND	ND	ND	ND	µg/l
Zn-Zinc	01092	289.1	50	ND	37	124	ND	µg/l
Hg-Mercury	71900	245.1	1	ND	ND	ND	ND	µg/l

Laboratory: Regional Board Laboratory

Fecal Coliform[3,4]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	300,000	300,000	1,100,000	130,000	MPN/100ml
1200	316315	330,000	230,000	1,100,000	80,000	MPN/100ml
1300	316315	300,000	230,000	2,400,000	80,000	MPN/100ml
1400	316315	300,000	230,000	1,300,000	40,000	MPN/100ml

[1] *Composite of eight grab samples collected @ 60 minute intervals.*

[2] Ave, median, max, & min values for the past 12 months

[3] Grab sample taken at the indicated time

[4] Analyzed by the Multiple Tube Fermentation Method

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 8/31/99

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.79	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 8/31/99

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	0.93	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 0900

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 8/31/99

Laboratory: *California Department of Health Services, Los Angeles, CA*

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
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p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.91	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
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1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
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1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 8/31/99

Laboratory: *California Department of Health Services, Los Angeles, CA*

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	1.1	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 1200
ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 9/21/99

Sampling Team: Orlando Gonzalez and Daniel McClure

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	192	28.6	7.6	0.8	3512	0.1	0.2	0.2
0800	191	28.5	7.5	0.6	3482	0.5	0.5	0.5
0900	192	28.3	7.7	0.1	3480	<0.1	<0.1	<0.1
1000	195	28.2	7.7	0.0	3491	<0.1	<0.1	<0.1
1100	198	28.1	7.6	0.0	3478	0.1	0.2	0.2
1200	200	28.1	7.6	0.0	3477	<0.1	0.1	0.1
1300	202	28.2	7.6	0.0	3510	0.3	0.3	0.3
1400	203	28.3	7.6	0.0	3489	<0.1	0.1	0.1
Avg.[3]	197	28.3	7.6	0.2	3490	0.1	0.2	0.2
Avg.[4]	226	22.8	7.5	1.1	3911	<0.1	0.1	0.1
Max.[5]	292	33.4	8.0	4.4	4780	0.4	0.5	0.5
Min.[5]	150	13.6	6.9	0.0	2920	<0.1	<0.1	<0.1

Observations:

0700 - Air temp is 30 °C. New River's watercolor is olive green. There is very little foam on the River's surface. The sky is cloudy. There is a slight breeze (S < 5 mph). Light rain @ 0745.

0800 - Air temp is 29 °C. Rain has stopped.

0900 - Air temp is 28 °C. Wind gusts up to 15 mph.

1000 - Air temp is 28 °C.

1100 - Air temp is 32 °C.

1200 - Air temp is 32 °C.

1300 - Air temp is 35 °C. Sunny, no wind.

1400 - Air temp is 37 °C. Cloudy, no wind.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter YSI Inc. instrument.

[3] Average of above data

[4] Average of data for past 12 months

[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 9/21/99

Sampling Team: Jeff Allred and Rafael Molina

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
1500	204	28.5	7.6	0.0	3466	0.2	0.4	0.5
1600	204	28.7	7.6	0.0	3438	0.2	0.3	0.4
1700	205	28.8	7.6	0.0	3445	0.1	0.2	0.2
1800	206	28.8	7.5	0.0	3446	0.4	0.4	0.4
1900	206	28.8	7.5	0.0	3466	0.1	0.1	0.2
2000	208	28.7	7.5	0.0	3462	0.2	0.4	0.5
2100	208	28.7	7.4	0.0	3482	0.2	0.4	0.6
2200	207	28.6	7.5	0.0	3480	0.3	0.4	0.4
Avg.[3]	206	28.7	7.5	0.0	3461	0.1	0.2	0.2

Observations:

1500 - Air temp is 37 °C.
1600 - Air temp is 34 °C. New River's watercolor is green/gray.
1700 - Air temp is 34 °C.
1800 - Air temp is 32 °C. The sun has begun to set.
1900 - Air temp is 32 °C.
2000 - Air temp is 31 °C. There is light rainfall.
2100 - Air temp is 30 °C.
2200 - Air temp is 30 °C. Its raining harder than it has throughout the day.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter YSI Inc. instrument.
[3] Average of above data

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 9/21-9/22/99

Sampling Team: Kola Olatunbosun and Nadim Zeywar

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
2300	208	28.5	7.5	0.0	3477	0.3	0.4	0.4
0000	208	28.4	7.4	0.0	3485	0.3	0.3	0.3
0100	208	28.2	7.4	0.1	3509	0.4	0.4	0.3
0200	213	28.3	7.3	0.1	3443	0.3	0.5	0.5
0300	213	28.1	7.4	0.1	3442	0.3	0.3	0.3
0400	209	28.0	7.3	0.1	3522	0.1	0.3	0.2
0500	203	27.8	7.4	0.1	3602	0.2	0.2	0.2
0600	200	27.8	7.4	0.1	3596	-	-	-
Avg.[3]	208	28.1	7.4	0.1	3510	0.1	0.2	0.2

Observations:

2300 - Air temp is 30 °C. Rain has stopped. Rain resumed @ 2330.
0000 - Air temp is 27 °C.
0100 - Air temp is 27 °C.
0200 - Air temp is 27 °C.
0300 - Air temp is 27 °C.
0400 - Air temp is 27 °C.
0500 - Air temp is 27 °C.
0600 - Air temp is 27 °C.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter YSI Inc. instrument.
[3] Average of above data

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA

WATER ANALYSIS

Date Sampled: 9/21-9/22/99

Laboratory: California Department of Health Services, Los Angeles, CA

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1] (8-hr Comp.)	Results[2] (24-hr Comp.)	Ave.[3]	Max.[3]	Min.[3]	Units
MBAS	38260	425.1	0.025	0.937	2.38	1.17	2.08	0.255	mg/l
Total Phosphate as P	00665	365.2	0.01	1.98	2.14	1.86	2.55	1.16	mg/l
Phenol	32730	420.1	0.002	0.003	ND	0.011	0.036	ND	mg/l
Cyanide	00720	335.2	0.01	ND	ND	0.00	0.01	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	00610	350.2	0.05	5.6	6.4	5.6	8.5	3.5	mg/l
Nitrate - Nitrogen (NO_3-N)	00610	353.2	0.2	ND	ND	0.2	0.6	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	00610	353.2	0.03	ND	ND	0.02	0.07	ND	mg/l
Hardness (as $CaCO_3$)	00900	130.2	1	720	710	788	930	670	mg/l
Total Alkalinity (as $CaCO_3$)	00410	310.1	1	242	250	269	305	242	mg/l
Bicarbonate (HCO_3)	00440	310.1	1	295	305	314	342	294	mg/l
Carbonate (CO_3)	00445	310.1	1	ND	ND	2	11	ND	mg/l
Hydroxide (OH)	71930	310.1	1	ND	ND	ND	ND	ND	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2350	2400	2558	3040	2190	mg/l
Total Suspended Solids	00530	160.2	10	38	41	60	233	28	mg/l
Turbidity	82079	180.1	0.1	20	23	16	27	11	NTU
BOD_5 @ 20°C	00310	405.1	2	15	17	20	32	8	mg/l
COD	00340	410.4	5	42	30	39	55	28	mg/l

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1] (8-hr Comp.)	Results[2] (24-hr Comp.)	Ave.[3]	Max.[3]	Min.[3]	Units
As-Arsenic	01002	200.9	2	4	4	5	6	3	µg/l
Cd-Cadmium	01027	200.9	1	ND	ND	ND	ND	ND	µg/l
Cr-Chromium	01034	200.9	10	ND	ND	ND	ND	ND	µg/l
Cu-Copper	01042	200.9	10	ND	ND	ND	ND	ND	µg/l
Pb-Lead	01051	200.9	10	ND	ND	1	10	ND	µg/l
Se-Selenium	01147	200.9	5	ND	ND	ND	ND	ND	µg/l
Zn-Zinc	01092	289.1	50	ND	ND	37	124	ND	µg/l
Hg-Mercury	71900	245.1	1	ND	ND	ND	ND	ND	µg/l

Laboratory: Regional Board Laboratory

Fecal Coliform[4,5]	Storet Code	Results	Median[3]	Max.[3]	Min.[3]	Units
1100 (9/21)	316315	800,000	300,000	1,100,000	130,000	MPN/100ml
1200	316315	700,000	265,000	1,100,000	80,000	MPN/100ml
1300	316315	800,000	230,000	2,400,000	80,000	MPN/100ml
1400	316315	230,000	230,000	1,300,000	40,000	MPN/100ml
500 (9/22)	316315	1,700,000	-	-	-	MPN/100ml
0600	316315	500,000	-	-	-	MPN/100ml

[1] Resutls are from the 8-hr composite sample collected on 9/21/99 from 0700-1400.

[2] Resutls are from the 24-hr composite sample collected on 9/21-9/22/99 from 0700-0600, and are not included in any calculations.

[3] Ave, median, max, & min values for the past 12 months

[4] Grab sample taken at the indicated time

[5] Analyzed by the Multiple Tube Fermentation Method

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 9/21-9/22/99

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	9/21/99 0900[2]	9/21/99 1200[2]	9/21/99 1500[2]	9/21/99 1800[2]	9/21/99 2100[2]	9/22/99 0000[2]	9/22/99 0300[2]	9/22/99 0600[2]	Detection Limits	Units
Benzene	34030	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromobenzene	81555	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromochloromethane	A-012	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromodichloromethane	32101	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromoform	32104	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroethane	34311	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroform	32106	ND	ND	0.64	0.80	0.90	0.83	1.3	0.74	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromomethane	77596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.69	0.82	1.0	1.1	0.89	1.1	1.10	0.75	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 9/21-9/22/99

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	9/21/99 0900[2]	9/21/99 1200[2]	9/21/99 1500[2]	9/21/99 1800[2]	9/21/99 2100[2]	9/22/99 0000[2]	9/22/99 0300[2]	9/22/99 0600[2]	Detection Limits	Units
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND	ND	ND	1.4	ND	ND	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethyl benzene	34371	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND	ND	0.58	0.63	0.55	ND	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	ND	ND	0.59	ND	ND	ND	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Napthalene	34696	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Propylbenzene	77224	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Styrene	77128	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 9/21-9/22/99

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	9/21/99 0900[2]	9/21/99 1200[2]	9/21/99 1500[2]	9/21/99 1800[2]	9/21/99 2100[2]	9/22/99 0000[2]	9/22/99 0300[2]	9/22/99 0600[2]	Detection Limits	Units
1,1,1,2-Tetrachloroethane	77562	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Toluene	34010	0.66	0.63	0.78	1.2	1.2	1.6	2.0	1.9	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	ND	0.56	0.64	0.67	0.60	0.57	ND	0.5	µg/l
o-Xylene	77135	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

ND = Not Detected

[1] USEPA Method 524.2

[2] Results are for each grab sample collected at the specified time/date, the first sample was collected @ 0900 on 9/21/99. The last was collected @ 0600 on 9/22/99.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 2/23/00

Sampling Team: Rafael Molina and Kola Olatunbosun

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	248	17.4	7.5	1.0	7692	<0.1	<0.1	<0.1
0800	248	17.3	7.5	1.3	7918	<0.1	<0.1	<0.1
0900	251	17.3	7.6	1.6	8038	<0.1	0.1	0.1
1000	255	17.3	7.6	1.8	8153	<0.1	0.1	0.1
1100	260	17.6	7.6	1.8	8246	<0.1	0.1	0.1
1200	262	17.6	7.6	1.9	8315	<0.1	<0.1	<0.1
1300	264	18.0	7.6	1.7	8416	<0.1	<0.1	<0.1
1400	270	18.4	7.6	1.4	8351	-	-	-
Avg.[3]	257	17.6	7.6	1.6	8141	<0.1	<0.1	<0.1
Avg.[4]	247	24.8	7.6	0.8	4299	0.1	0.1	0.1
Max.[5]	299	32.4	8.2	1.9	8416	1.0	1.2	1.2
Min.[5]	183	11.3	7.3	0.0	1500	<0.1	<0.1	<0.1

Observations:

0700 - New River water color is green. There is a slight septic odor. There is a minimal amount of foam. There is a moderate amount of floating solids. The sky is mostly cloudy. Air temp is 18 °C. Slight breeze from NW.

0800 - Air temp is 17 °C. Sewage solids observed floating on the River' surface.

0900 - Air temp is 19 °C.

1000 - Air temp is 24 °C.

1100 - Air temp is 26 °C. The sky is mostly sunny.

1200 - Air temp is 28 °C. New River Water color is green/gray.

1300 - Air temp is 28 °C.

1400 - Air temp is 28 °C.

[1] Reported by Imperial Irrigation District.

[2] *Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter YSI Inc. instrument.*

[3] Average of above data.

[4] Average of data for past 12 months.

[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA

WATER ANALYSIS

Date Sampled: 2/23/00

Laboratory: California Department of Health Services, Los Angeles, CA

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
MBAS	38260	425.1	0.025	0.528	0.86	1.36	0.255	mg/l
Total Phosphate as P	00665	365.2	0.01	1.28	1.76	2.55	1.16	mg/l
Phenol	32730	420.1	0.002	0.006	0.009	0.036	ND	mg/l
Cyanide	00720	335.2	0.01	0.01	0.00	0.01	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	00610	350.2	0.05	6.9	5.1	6.9	3.5	mg/l
Nitrate - Nitrogen (NO_3-N)	00610	353.2	0.2	0.5	0.1	0.5	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	00610	353.2	0.03	0.1	0.02	0.1	ND	mg/l
Hardness (as $CaCO_3$)	00900	130.2	1	860	811	880	720	mg/l
Total Alkalinity (as $CaCO_3$)	00410	310.1	1	244	260	280	242	mg/l
Bicarbonate (HCO_3)	00440	310.1	1	298	311	342	294	mg/l
Carbonate (CO_3)	00445	310.1	1	ND	2	11	ND	mg/l
Hydroxide (OH)	71930	310.1	1	ND	ND	ND	ND	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	2720	2633	2910	2350	mg/l
Total Suspended Solids	00530	160.2	10	34	35	45	28	mg/l
Turbidity	82079	180.1	0.1	10.2	14.2	20.0	10.2	NTU
BOD_5 @ 20°C	00310	405.1	2	30	21	32	15	mg/l
COD	00340	410.4	5	29	41	55	29	mg/l

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1]	Ave.[2]	Max.[2]	Min.[2]	Units
As-Arsenic	01002	200.9	2	ND	5	6	ND	µg/l
Cd-Cadmium	01027	200.9	1	ND	ND	ND	ND	µg/l
Cr-Chromium	01034	200.9	10	ND	ND	ND	ND	µg/l
Cu-Copper	01042	200.9	10	12	2	12	ND	µg/l
Pb-Lead	01051	200.9	10	ND	ND	ND	ND	µg/l
Se-Selenium	01147	200.9	5	ND	ND	ND	ND	µg/l
Zn-Zinc	01092	289.1	50	120	61	124	ND	µg/l
Hg-Mercury	71900	245.1	1	ND	ND	ND	ND	µg/l

Laboratory: Regional Board Laboratory

Fecal Coliform[3,4]	Storet Code	Results	Median[2]	Max.[2]	Min.[2]	Units
1100	316315	80,000	260,000	1,100,000	80,000	MPN/100ml
1200	316315	210,000	280,000	1,100,000	80,000	MPN/100ml
1300	316315	220,000	260,000	2,400,000	80,000	MPN/100ml
1400	316315	170,000	170,000	1,300,000	40,000	MPN/100ml

[1] Composite of eight grab samples collected @ 60 minute intervals.

[2] Ave, median, max, & min values for the past 12 months.

[3] Grab sample taken at the indicated time.

[4] Analyzed by the Multiple Tube Fermentation Method.

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 2/23/00

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	0.56	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	1.1	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 2/23/00

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	0.59	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	1.6	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	0.69	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	0.86	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 0900

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 2/23/00

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Benzene	34030	ND	0.5	µg/l
Bromobenzene	81555	ND	0.5	µg/l
Bromochloromethane	A-012	ND	0.5	µg/l
Bromodichloromethane	32101	ND	0.5	µg/l
Bromoform	32104	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	0.5	µg/l
Chloroethane	34311	ND	0.5	µg/l
Chloroform	32106	ND	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	0.5	µg/l
Dibromomethane	77596	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	0.79	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	0.5	µg/l
1,1-Dichloroethane (1,1-DCA)	34496	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 2/23/00

Laboratory: California Department of Health Services, Los Angeles, CA

Analyte[1]	Storet Code	Results	Detection Limits	Units
Ethyl benzene	34371	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	0.5	µg/l
Napthalene	34696	ND	0.5	µg/l
n-Propylbenzene	77224	ND	0.5	µg/l
Styrene	77128	ND	0.5	µg/l
1,1,1,2-Tetrachloroethane	77562	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	0.5	µg/l
Toluene	34010	1.1	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	0.5	µg/l
o-Xylene	77135	ND	0.5	µg/l

[1] USEPA Method 524.2; Grab sample taken @ 1200
ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/22/00

Sampling Team: Jeff Allred and Phan Le

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
0700	241	16.3	7.9	1.5	5258	<0.1	<0.1	<0.1
0800	241	16.3	7.9	1.6	5297	<0.1	<0.1	<0.1
0900	243	16.3	7.9	2.1	5300	<0.1	0.1	0.1
1000	245	16.6	7.9	2.8	5238	<0.1	<0.1	<0.1
1100	285	16.9	7.9	2.9	5265	<0.1	<0.1	<0.1
1200	272	17.3	7.9	2.9	5285	<0.1	<0.1	<0.1
1300	264	17.8	7.9	3.2	5275	<0.1	<0.1	<0.1
1400	260	18.2	7.9	3.0	5241	<0.1	<0.1	<0.1
Avg.[3]	256	17.0	7.9	2.5	5270	<0.1	<0.1	<0.1
Avg.[4]	242	24.5	7.6	1.1	4684	0.0	0.1	0.1
Max.[5]	299	32.4	8.2	11.5	8416	0.5	0.5	0.5
Min.[5]	183	11.3	7.3	0.0	1500	<0.1	<0.1	<0.1

Observations:

0700 - Air temp is 23 °C. New River's water color is olive green. There is a slight septic odor. There is almost no foam on the River's surface. Slight breeze (NW<5 mph). The sky is clear and sunny.

0800 - Air temp is 23 °C. No other changes.

0900 - Air temp is 23 °C.

1000 - Air temp is 23 °C. Debris observed floating of the River's surface.

1100 - Air temp is 28 °C. There is a considerable amount of suspended solids, as well as floating debris/trash. New River's water color is dark green.

1200 - Air temp is 28 °C. Dead fish observed floating on the New River's surface.

1300 - Air temp is 28 °C.

1400 - Air temp is 28 °C.

[1] Reported by Imperial Irrigation District

[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter YSI Inc. instrument.

[3] Average of above data

[4] Average of data for past 12 months

[5] Maximum and minimum values for the past 12 months.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/22/00

Sampling Team: Kola Olatunbosun and Nadim Zeywar

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
1500	258	18.6	7.9	2.6	5237	<0.1	<0.1	<0.1
1600	261	18.7	7.9	2.1	5265	<0.1	<0.1	<0.1
1700	259	18.7	7.9	1.5	5270	0.1	0.1	0.1
1800	257	18.6	7.9	1.2	5296	0.1	0.2	0.2
1900	256	18.3	7.9	0.8	5293	0.2	0.2	0.2
2000	260	18.1	7.8	0.6	5311	<0.1	<0.1	0.1
2100	260	18.0	7.8	0.4	5274	0.2	0.2	0.2
2200	257	17.8	7.7	0.4	5271	0.2	0.2	0.2
Avg.[3]	258	18.3	7.8	1.2	5277	0.1	0.1	0.1

Observations:

1500 - Air temp is 29 °C. Suspended solids still present, there is no odor and no foam.
1600 - Air temp is 30 °C.
1700 - Air temp is 25 °C. Large foam "clumps" were observed.
1800 - Air temp is 18 °C. Slight septic odor, foam is still present.
1900 - Air temp is 16 °C. More foam observed than at 1800.
2000 - Air temp is 15 °C.
2100 - Air temp is 14 °C.
2200 - Air temp is 14 °C. Foam is still present.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter YSI Inc. instrument.
[3] Average of above data

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/22-3/23/00

Sampling Team: Patricia Garcia and Rafael Molina

Time	Flow[1] cfs	Temp[2] °C	pH[2]	Dissol.[2] Oxygen mg/l	Specific[2] Cond. µmhos/cm	Settleable Solids[2] - ml/l		
						10 min.	30 min.	60 min.
2300	254	17.8	7.7	0.7	5307	0.1	0.2	0.2
0000	252	17.8	7.8	0.9	5328	0.1	0.1	0.1
0100	252	17.8	7.8	0.7	5334	0.1	0.1	0.1
0200	257	18.0	7.8	0.5	5245	0.1	0.1	0.1
0300	252	18.0	7.8	0.5	5304	0.5	0.5	0.5
0400	248	17.9	7.8	1.0	5313	<0.1	0.1	0.1
0500	245	18.0	7.7	1.1	5298	0.1	0.1	0.1
0600	244	17.9	7.7	1.4	5297	-	-	-
Avg.[3]	251	17.9	7.8	0.8	5303	0.1	0.2	0.2

Observations:

2300 - Air temp is 12 °C. Mild septic odor. Moderate amount of foam.
0000 - Air temp is 11 °C.
0100 - Air temp is 10 °C. Odor seems stronger than before. Foam is still present.
0200 - Air temp is 9 °C. No other changes.
0300 - Air temp is 9 °C.
0400 - Air temp is 9 °C.
0500 - Air temp is 9 °C. The sun has begun to rise.
0600 - Air temp is 13 °C.

[1] Reported by Imperial Irrigation District
[2] Data Collected in field; temp, pH, DO, and spec. cond. measured with multi-parameter YSI Inc. instrument.
[3] Average of above data

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA

WATER ANALYSIS

Date Sampled: 3/22-3/23/00

Laboratory: California Department of Health Services, Los Angeles, CA

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1] (8-hr Comp.)	Results[2] (24-hr Comp.)	Ave.[3]	Max.[3]	Min.[3]	Units
MBAS	38260	425.1	0.025	0.120	0.122	0.76	1.36	0.120	mg/l
Total Phosphate as P	00665	365.2	0.01	0.89	1.21	1.73	2.55	0.89	mg/l
Phenol	32730	420.1	0.002	ND	ND	0.004	0.012	ND	mg/l
Cyanide	00720	335.2	0.01	ND	0.01	0.00	0.01	ND	mg/l
Ammonia - Nitrogen (NH_3-N)	00610	350.2	0.05	6.2	6.5	5.1	6.9	3.5	mg/l
Nitrate - Nitrogen (NO_3-N)	00610	353.2	0.2	0.5	0.6	0.1	0.5	ND	mg/l
Nitrite - Nitrogen (NO_2-N)	00610	353.2	0.03	ND	ND	0.01	0.1	ND	mg/l
Hardness (as $CaCO_3$)	00900	130.2	1	900	940	818	900	720	mg/l
Total Alkalinity (as $CaCO_3$)	00410	310.1	1	292	291	263	292	242	mg/l
Bicarbonate (HCO_3)	00440	310.1	1	356	355	317	356	294	mg/l
Carbonate (CO_3)	00445	310.1	1	ND	ND	2	11	ND	mg/l
Hydroxide (OH)	71930	310.1	1	ND	ND	ND	ND	ND	mg/l
Total Filter. Residue (TDS)	70300	160.1	10	18	26	2306	2910	18	mg/l
Total Suspended Solids	00530	160.2	10	3130	3040	422	3130	28	mg/l
Turbidity	82079	180.1	0.1	9.5	10	14	20	10	NTU
BOD_5 @ 20°C	00310	405.1	2	35	35	23	35	15	mg/l
COD	00340	410.4	5	43	42	42	55	29	mg/l

Constituent	Storet Code	US EPA Method	Reporting Limits	Results[1] (8-hr Comp.)	Results[2] (24-hr Comp.)	Ave.[3]	Max.[3]	Min.[3]	Units
As-Arsenic	01002	200.9	2	ND	ND	4	6	ND	µg/l
Cd-Cadmium	01027	200.9	1	ND	ND	ND	ND	ND	µg/l
Cr-Chromium	01034	200.9	10	ND	ND	ND	ND	ND	µg/l
Cu-Copper	01042	200.9	10	ND	ND	2	12	ND	µg/l
Pb-Lead	01051	200.9	10	ND	ND	ND	ND	ND	µg/l
Se-Selenium	01147	200.9	5	ND	ND	ND	ND	ND	µg/l
Zn-Zinc	01092	289.1	50	ND	ND	61	124	ND	µg/l
Hg-Mercury	71900	245.1	1	ND	ND	ND	ND	ND	µg/l

Laboratory: Regional Board Laboratory

Fecal Coliform[4,5]	Storet Code	Results	Median[3]	Max.[3]	Min.[3]	Units
1100 (3/22)	316315	40,000	175,000	800,000	40,000	MPN/100ml
1200	316315	40,000	220,000	1,100,000	40,000	MPN/100ml
1300	316315	130,000	175,000	800,000	80,000	MPN/100ml
1400	316315	40,000	150,000	1,300,000	40,000	MPN/100ml
300 (3/23)	316315	300,000	-	-	-	MPN/100ml
0400	316315	220,000	-	-	-	MPN/100ml
0500	316315	170,000	-	-	-	MPN/100ml
0600	316315	110,000	-	-	-	MPN/100ml

[1] Resutls are from the 8-hr composite sample collected on 3/22/00 from 0700-1400.

[2] *Resutls are from the 24-hr composite sample collected on 3/22-3/23/00 from 0700-0600, and are not included in any calculations.*

[3] Ave, median, max, & min values for the past 12 months

[4] Grab sample taken at the indicated time.

[5] Analyzed by the Multiple Tube Fermentation Method.

ND = Not Detected

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/22-3/23/00

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	3/22/00 0900[2]	3/22/00 1200[2]	3/22/00 1500[2]	3/22/00 1800[2]	3/22/00 2100[2]	3/23/00 0000[2]	3/23/00 0300[2]	3/23/00 0600[2]	Detection Limits	Units
Benzene	34030	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromobenzene	81555	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromochloromethane	A-012	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromodichloromethane	32101	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromoform	32104	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Bromomethane (Mehyl Bromide)	34413	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Butylbenzene	A-010	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
sec-Butylbenzene	77350	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
tert-Butylbenzene	77353	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Carbon Tetrachloride	32102	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chlorobenzene (Monochlorobenzene)	34301	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroethane	34311	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Chloroform	32106	0.63	ND	ND	0.98	1.3	1.2	1.3	0.77	0.5	µg/l
Chloromethane (Methyl Chloride)	34418	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromochloromenhane	32105	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Dibromomethane	77596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,4-Dichlorobenzene (p-DCB)	34571	ND	0.54	0.69	0.83	1.0	0.76	0.77	0.52	0.5	µg/l
Dichlorodifluoromethane (Freon 12)	34668	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/22-3/23/00

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	3/22/00 0900[2]	3/22/00 1200[2]	3/22/00 1500[2]	3/22/00 1800[2]	3/22/00 2100[2]	3/23/00 0000[2]	3/23/00 0300[2]	3/23/00 0600[2]	Detection Limits	Units
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis-1,2-Dichloroethylene	77093	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
trans-1,2-Dichloroethylene	34546	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	34541	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,3-Dichloropropane	77173	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2-Dichloropropane	77170	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1-Dichloropropylene	77168	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
cis- & trans-1,3-Dichloropropylene	34561	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethyl benzene	34371	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Ethylene dibromide (EDB)	77651	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Hexachlorobutadiene	34391	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Isopropylbenzene (Cumeme 77356)	77223	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND	ND	ND	0.57	ND	ND	ND	0.5	µg/l
Methylene chloride (Dichloromethane)	34423	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Ethyl Ketone	81595	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl Isobutyl Ketone	81596	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Napthalene	34696	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
n-Propylbenzene	77224	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Styrene	77128	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS

Date Sampled: 3/22-3/23/00

Laboratory: California Department of Health Services

Analyte[1]	Storet Code	3/22/00 0900[2]	3/22/00 1200[2]	3/22/00 1500[2]	3/22/00 1800[2]	3/22/00 2100[2]	3/23/00 0000[2]	3/23/00 0300[2]	3/23/00 0600[2]	Detection Limits	Units
1,1,1,2-Tetrachloroethane	77562	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2,2-Tetrachloroethane	34516	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Tetrachloroethylene (PCE)	34475	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Toluene	34010	ND	ND	ND	ND	1.3	0.62	0.86	ND	0.5	µg/l
1,2,3-Trichlorobenzene	77613	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trichlorobenzene	34551	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichloroethylene (TCE)	39180	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,3-Trichloropropane	77443	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Trichlorofluoromethane (Freon 11)	34488	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,2,4-Trimethylbenzene	77222	ND	ND	ND	ND	0.54	ND	ND	ND	0.5	µg/l
1,3,5-Trimethylbenzene	77226	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
Vinyl chloride (VC)	39175	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l
m,p-Xylenes	A-014	ND	ND	ND	ND	0.85	ND	ND	ND	0.5	µg/l
o-Xylene	77135	ND	ND	ND	ND	ND	ND	ND	ND	0.5	µg/l

ND = Not Detected

[1] USEPA Method 524.2

[2] Results are for each grab sample collected at the specified time/date, the first sample was collected @ 0900 on 3/22/00. The last was collected @ 0600 on 3/23/00.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

FIELD RESULTS	HYDROLAB – YSI 6600				IN-HOFF CONE		
TIME	TEMP (°C)	PH	DISSOLVED OXYGEN (mg/l)	SPECIFIC CONDUCTANCE (umhos/cm)	Settleable Solids (ml/l) 10 min	30 min	60 min
07:00	20.1	7.8	1.1	5156	0.1	0.1	0.1
08:00	20.1	7.8	1.2	5187	<0.1	<0.1	<0.1
09:00	20.1	7.8	1.4	5229	<0.1	<0.1	<0.1
10:00	20.2	7.8	1.5	5181	<0.1	<0.1	<0.1
11:00	20.3	7.9	2.3	4719	<0.1	<0.1	<0.1
12:00	20.7	7.9	2.3	4732	<0.1	<0.1	<0.1
13:00	21.1	7.9	2.4	4745	<0.1	<0.1	<0.1
14:00	21.6	7.9	2.3	4775			
APRIL AVERAGE	20.5	7.9	1.8	4966	<0.1	<0.1	<0.1
LAST 12 MONTHS AVE.	22.6	7.6	0.4	4134	0.2	0.2	0.3

FIELD OBSERVATIONS:

0700 - Ambient temperature is 19 °C. The sky is clear & sunny. There is a slight breeze (<5 mph N). Watercolor is olive greenish/gray. There is no noticeable septic odor. There is very little foam on the River's surface.
0800 – No changes.
0900 – Same as above, ambient temperature is 24 °C. Dead dog floating in the river.
1000 - Ambient temperature is 25 °C.
1100 - Ambient temperature is 25 °C. Dead cat floating in the river.
1200 - Ambient temperature is 28 °C.
1300 - Ambient temperature is 32 °C.
1400 - Ambient temperature is 36 °C.

REG. WATER QUALITY CONTROL BOARD LAB.			**FECAL COLIFORM RESULTS (MPN/100ml)**			
COLLECTION TIME	STORET CODE	ANALYSIS METHOD	APRIL 2000	12 MONTHS AVE	MAX VALUE	MIN VALUE
11:00	316315	Multiple Tube Fermentation	20,000	320,833	5,400,000	20,000
12:00	316315	Multiple Tube Fermentation	20,000	356,667	9,200,000	20,000
13:00	316315	Multiple Tube Fermentation	130,000	460,833	16,000,000	20,000
14:00	316315	Multiple Tube Fermentation	20,000	261,667	16,000,000	20,000

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

DHS – SOUTHERN CALIFORNIA LABORATORY				**CONSTITUENT RESULTS (mg/l)[1]**			
	STORET CODE	US EPA METHOD	DETECTION LEVEL	APRIL 2000	12 MONTHS AVERAGE	MAX VALUE	MIN VALUE
MBAS	38260	425.1	0.025	0.284	0.885	4.800	0.025
Total Phosphate as P	665	365.2	0.01	1.990	1.734	4.300	0.890
Phenol	32730	420.1	0.002	ND[2]	0.007	0.036	ND
Cyanide	720	335.2	0.01	ND	0.002	0.020	0.010
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	6.510	5.693	11.200	2.900
Nitrate - Nitrogen (NO_3-N)	71850	353.2	0.2	3.100	0.458	3.100	0.200
Nitrite - Nitrogen (NO_2-N)	630	353.2	0.03	0.100	0.026	0.200	ND
Hardness as ($CaCO_3$)	900	130.2	1	910	836	1040	645
Total Alkalinity as ($CaCO_3$)	410	310.1	1	285	270	337	225
Total Filter Residue (TDS)	70300	160.1	10	2930	2728	3480	1970
Total Suspended Solids	530	160.2	10	44	53	233	10
Turbidity	82078	180.1	0.1	11	14	38	6
BOD	310	405.1	2	84	27	84	8
COD	340	410.4	5	34	39	92	20

DHS – SOUTHERN CALIFORNIA LABORATORY				**TRACE METALS RESULTS (ug/l)[1]**			
TRACE METALS	STORET CODE	US EPA METHOD	DETECTION LEVEL	APRIL 2000	12 MONTH AVERAGE	MAX VALUE	MIN VALUE
As-Arsenic	1002	200.9	2	ND	4.1	11.0	3.0
Cd-Cadnium	1027	200.9	1	ND	ND	1.5	1.0
Cr-Chromium	1034	200.9	10	ND	ND	ND	ND
Cu-Copper	1042	200.9	10	ND	1.0	16.0	10.0
Pb-Lead	1051	200.9	10	ND	0.8	10.0	10.0
Se-Selenium	1147	200.9	5	ND	ND	ND	ND
Zn-Zinc	1092	289.1	50	71.0	52.8	127.0	50.0
Hg-Mercury	71900	245.1	1	ND	ND	ND	ND

[1] Composite of eight water samples collected hourly.
[2] ND = Concentration is reported below the detected level.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

DHS – SOUTHERN CALIFORNIA LABORATORY		APRIL - 00 RESULTS (ug/l)	
CONSTITUENT[3]	STORET CODE	9:00 AM	12:00 PM
Benzene	34030	ND[4]	ND
Bromobenzene	81555	ND	ND
Bromochloromethane	A-012	ND	ND
Bromodichloromethane	32101	ND	ND
Bromoform	32104	ND	ND
Bromomethane (Mehyl Bromide)	34413	ND	ND
n-Butylbenzene	A-010	ND	ND
sec-Butylbenzene	77350	ND	ND
tert-Butylbenzene	77353	ND	ND
Carbon Tetrachloride	32102	ND	ND
Chlorobenzene (Monochlorobenzene)	34301	ND	ND
Chloroethane	34311	ND	ND
Chloroform	32106	ND	ND
Chloromethane (Methyl Chloride)	34418	ND	ND
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND
Dibromochloromenhane	32105	ND	ND
Dibromomethane	77596	ND	ND
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND
1,4-Dichlorobenzene (p-DCB)	34571	0.56	0.66
Dichlorodifluoromethane (Freon 12)	34668	ND	ND
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND
cis-1,2-Dichloroethylene	77093	ND	ND
trans-1,2-Dichloroethylene	34546	ND	ND
1,2-Dichloropropane	34541	ND	ND
1,3-Dichloropropane	77173	ND	ND
1,2-Dichloropropane	77170	ND	ND

[3] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected level is reported as 0.5 for all the constituents; except as noted.
[4] ND = Concentration is reported below the detected level.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

DHS – SOUTHERN CALIFORNIA LABORATORY	APRIL - 00 RESULTS (ug/l)		
CONSTITUENT[5]	STORET CODE	9:00 AM	12:00 PM
1,1-Dichloropropylene	77168	ND[6]	ND
cis- & trans-1,3-Dichloropropylene	34561	ND	ND
Ethyl benzene	34371	ND	ND
Ethylene dibromide (EDB)	77651	ND	ND
Hexachlorobutadiene	34391	ND	ND
Isopropylbenzene (Cumeme 77356)	77223	ND	ND
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND
Methylene chloride (Dichloromethane)	34423	ND	ND
Methyl Ethyl Ketone[7]	81595	ND	ND
Methyl Isobutyl Ketone[8]	81596	ND	ND
Methyl tert-Butyl Ether (MTBE)	A-030	1.0	ND
Napthalene	34696	ND	ND
n-Propylbenzene	77224	ND	ND
Styrene	77128	ND	ND
1,1,1,2-Tetrachloroethane	77562	ND	ND
1,1,2,2-Tetrachloroethane	34516	ND	ND
Tetrachloroethylene (PCE)	34475	ND	ND
Toluene	34010	0.95	0.68
1,2,3-Trichlorobenzene	77613	ND	ND
1,2,4-Trichlorobenzene	34551	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND
Trichloroethylene (TCE)	39180	ND	ND
1,2,3-Trichloropropane	77443	ND	ND
Trichlorofluoromethane (Freon 11)	34488	ND	ND
1,2,4-Trimethylbenzene	77222	ND	ND
1,3,5-Trimethylbenzene	77226	ND	ND
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND
Vinyl chloride (VC)	39175	ND	ND
m,p-Xylenes	A-014	ND	ND
o-Xylene	77135	ND	ND

[5] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected level is reported as 0.5 for all the constituents; except as noted.
[6] ND = Concentration is reported below the detected level.
[7] Detection Level is as reported 2.0
[8] Detection Level is as reported 2.0

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

FIELD RESULTS	HYDROLAB – YSI 6600				IN-HOFF CONE		
TIME	TEMP (°C)	PH	DISSOLVED OXYGEN (mg/l)	SPECIFIC CONDUCTANCE (umhos/cm)	Settleable Solids (ml/l)		
					10 min	30 min	60 min
07:00	17.8	7.7	0.7	5307	<0.1	<0.1	<0.1
08:00	17.8	7.8	0.9	5328	<0.1	<0.1	<0.1
09:00	17.8	7.8	0.7	5334	0.1	0.2	0.2
10:00	18.0	7.8	0.5	5245	0.1	0.1	0.1
11:00	18.0	7.8	0.5	5304	0.1	0.2	0.2
12:00	17.9	7.8	1.0	5313	0.1	0.2	0.2
13:00	18.0	7.7	1.1	5298	0.1	0.1	0.1
14:00	17.9	7.7	1.4	5297			
MAY AVERAGE	17.9	7.8	0.8	5303	0.1	0.2	0.2
LAST 12 MONTHS AVE.	22.9	7.6	0.5	4326	0.1	0.2	0.2

FIELD OBSERVATIONS:

0700 - Ambient temperature is 23 °C. The sky is clear & sunny. No breeze. Watercolor is olive gray. There is a moderate septic odor. There is a considerable amount of foam on the River's surface.
0800 – No changes. Ambient temperature is 28 °C
0900 –Ambient temperature is 33 °C. less foam.
1000 – No changes.
1100 - Ambient temperature is 34 °C. No foam.
1200 - Ambient temperature is 36 °C.
1300 - Ambient temperature is 47 °C.
1400 - Ambient temperature is 45 °C.

REG. WATER QUALITY CONTROL BOARD LAB.			**FECAL COLIFORM RESULTS (MPN/100ML)**			
COLLECTION TIME	STORET CODE	ANALYSIS METHOD	MAY 2000	12 MONTHS AVE	MAX VALUE	MIN VALUE
11:00	316315	Multiple Tube Fermentation	40,000	299,167	5,400,000	20,000
12:00	316315	Multiple Tube Fermentation	140,000	326,667	9,200,000	20,000
13:00	316315	Multiple Tube Fermentation	80,000	425,833	16,000,000	20,000
14:00	316315	Multiple Tube Fermentation	170,000	234,167	16,000,000	20,000

DATE SAMPLED MAY 10, 2000

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

DHS – SOUTHERN CALIFORNIA LABORATORY				CONSTITUENT RESULTS (MG/L)[1]			
	STORET CODE	US EPA METHOD	DETECTION LEVEL	MAY 2000	12 MONTHS AVERAGE	MAX VALUE	MIN VALUE
MBAS	38260	425.1	0.025	0.84	0.781	4.800	0.025
Total Phosphate as P	665	365.2	0.01	1.88	1.720	4.300	0.890
Phenol	32730	420.1	0.002	ND	0.007	0.036	ND
Cyanide	720	335.2	0.01	ND	0.002	0.020	0.010
Ammonia -Nitrogen (NH_3-N)	610	350.2	0.05	5.44	5.438	11.200	2.900
Nitrate - Nitrogen (NO_3-N)	71850	353.2	0.2	ND	0.417	3.100	0.200
Nitrite - Nitrogen (NO_2-N)	630	353.2	0.03	ND	0.026	0.200	ND
Hardness as ($CaCO_3$)	900	130.2	1	850	840	1040	645
Total Alkalinity as ($CaCO_3$)	410	310.1	1	296	270	337	225
Total Filter Residue (TDS)	70300	160.1	10	2860	2752	3480	1970
Total Suspended Solids	530	160.2	10	41	37	233	10
Turbidity	82078	180.1	0.1	12	13	38	6
BOD	310	405.1	2	62	31	84	8
COD	340	410.4	5	47	40	92	20

DHS – SOUTHERN CALIFORNIA LABORATORY				TRACE METALS RESULTS (UG/L)[1]			
TRACE METALS	STORET CODE	US EPA METHOD	DETECTION LEVEL	MAY 2000	12 MONTH AVERAGE	MAX VALUE	MIN VALUE
As-Arsenic	1002	200.9	2	ND	3.7	11.0	3.0
Cd-Cadnium	1027	200.9	1	ND	ND	1.5	1.0
Cr-Chromium	1034	200.9	10	ND	ND	ND	ND
Cu-Copper	1042	200.9	10	ND	1.0	16.0	10.0
Pb-Lead	1051	200.9	10	ND	ND	10.0	10.0
Se-Selenium	1147	200.9	5	ND	ND	ND	ND
Zn-Zinc	1092	289.1	50	ND	46.3	127.0	50.0
Hg-Mercury	71900	245.1	1	ND	ND	ND	ND

[1] Composite of eight water samples collected hourly.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

CONSTITUENT[2] (ug/l)	STORET CODE	MAY - 00 RESULTS (ug/l)	
		9:00 AM	12:00 PM
Benzene	34030	ND[3]	ND
Bromobenzene	81555	ND	ND
Bromochloromethane	A-012	ND	ND
Bromodichloromethane	32101	ND	ND
Bromoform	32104	ND	ND
Bromomethane (Mehyl Bromide)	34413	ND	ND
n-Butylbenzene	A-010	ND	ND
sec-Butylbenzene	77350	ND	ND
tert-Butylbenzene	77353	ND	ND
Carbon Tetrachloride	32102	ND	ND
Chlorobenzene (Monochlorobenzene)	34301	ND	ND
Chloroethane	34311	ND	ND
Chloroform	32106	ND	ND
Chloromethane (Methyl Chloride)	34418	ND	ND
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND
Dibromochloromenhane	32105	ND	ND
Dibromomethane	77596	ND	ND
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND
1,4-Dichlorobenzene (p-DCB)	34571	0.63	0.84
Dichlorodifluoromethane (Freon 12)	34668	ND	ND
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND
cis-1,2-Dichloroethylene	77093	ND	ND
trans-1,2-Dichloroethylene	34546	ND	ND
1,2-Dichloropropane	34541	ND	ND
1,3-Dichloropropane	77173	ND	ND
1,2-Dichloropropane	77170	ND	ND
1,1-Dichloropropylene	77168	ND	ND

[2] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detection level is reported as 0.5 for all the constituents; except as noted.
[3] ND = Concentration is reported below the detection level.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

CONSTITUENT[4] (ug/l)	STORET CODE	MAY - 00 RESULTS (ug/l)	
		9:00 AM	12:00 PM
cis- & trans-1,3-Dichloropropylene	34561	ND[5]	ND
Ethyl benzene	34371	ND	ND
Ethylene dibromide (EDB)	77651	ND	ND
Hexachlorobutadiene	34391	ND	ND
Isopropylbenzene (Cumeme 77356)	77223	ND	ND
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND
Methylene chloride (Dichloromethane)	34423	ND	ND
Methyl Ethyl Ketone[6]	81595	ND	ND
Methyl Isobutyl Ketone[7]	81596	ND	ND
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND
Napthalene	34696	ND	ND
n-Propylbenzene	77224	ND	ND
Styrene	77128	ND	ND
1,1,1,2-Tetrachloroethane	77562	ND	ND
1,1,2,2-Tetrachloroethane	34516	ND	ND
Tetrachloroethylene (PCE)	34475	ND	ND
Toluene	34010	0.88	0.91
1,2,3-Trichlorobenzene	77613	ND	ND
1,2,4-Trichlorobenzene	34551	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND
Trichloroethylene (TCE)	39180	ND	ND
1,2,3-Trichloropropane	77443	ND	ND
Trichlorofluoromethane (Freon 11)	34488	ND	ND
1,2,4-Trimethylbenzene	77222	ND	ND
1,3,5-Trimethylbenzene	77226	ND	ND
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND
Vinyl chloride (VC)	39175	ND	ND
m,p-Xylenes	A-014	ND	ND
o-Xylene	77135	ND	ND

[4] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detection level is reported as 0.5 for all the constituents; except as noted.
[5] ND = Concentration is reported below the detection level.
[6] Detection Level is as reported 2.0
[7] Detection Level is as reported 2.0

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

FIELD RESULTS	HYDROLAB – YSI 6600				IN-HOFF CONE		
TIME	TEMP (°C)	PH	DISSOLVED OXYGEN (mg/l)	SPECIFIC CONDUCTANCE (umhos/cm)	Settleable Solids (ml/l)		
					10 min	30 min	60 min
07:00	30.0	7.8	0.5	4282	<0.1	<0.1	<0.1
08:00					<0.1	<0.1	<0.1
09:00					0.1	0.1	0.1
10:00					<0.1	<0.1	<0.1
11:00					<0.1	<0.1	<0.1
12:00					<0.1	<0.1	<0.1
13:00					<0.1	<0.1	<0.1
14:00					<0.1	<0.1	<0.1
15:00					<0.1	<0.1	<0.1
16:00					<0.1	0.1	0.1
17:00					<0.1	0.1	0.1
18:00					0.1	0.1	0.2
19:00					<0.1	0.1	0.1
20:00					0.1	0.2	0.3
21:00					0.1	0.2	0.3
22:00					<0.1	<0.1	<0.1
23:00					0.1	0.1	0.2
24:00					0.1	0.1	0.2
01:00					0.1	0.1	0.2
02:00					0.1	0.1	0.1
03:00					0.1	0.1	0.1
04:00					<0.1	0.1	0.1
05:00					0.1	0.1	0.1
06:00							
JUNE AVERAGE	30.0	7.8	0.5	4282	0.1	0.1	0.2
LAST 12 MONTHS AVE.	24.0	7.7	0.6	4508	0.1	0.2	0.2

FIELD OBSERVATIONS:

0700 – 1000 The Ambient temperature ranged from 30 °C to 37 °C. The sky is clear & sunny. Watercolor is olive green – dark green. There is no noticeable septic odor. There is little foam on the River's surface.

1100 – No changes, except no foam. Ambient temperature is 38 °C
1200 – 1400 The Ambient temperature ranged from 38 °C to 43 °C. No other changes, except watercolor is clearer.
1500 – 1900 No changes. Ambient temperature ranged from 43 °C to 39 °C. Sun begun to set.
2000 – 2200 Ambient temperature is ranged from 35 °C to 31 °C.
2300 - Ambient temperature is 29 °C.
2400 - Ambient temperature is 31 °C.
100 – 600 Ambient temperature ranged from 30 °C to 26 °C.

DATE SAMPLED JUNE 21 & 22, 2000

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

REG. WATER QUALITY CONTROL BOARD LAB			FECAL COLIFORM RESULTS (MPN/100ML)			
COLLECTION TIME	STORET CODE	ANALYSIS METHOD	JUNE 2000	12 MONTHS AVE	MAX VALUE	MIN VALUE
11:00	316315	Multiple Tube Fermentation	170,000	294,167	5,400,000	20,000
12:00	316315	Multiple Tube Fermentation	230,000	326,667	9,200,000	20,000
13:00	316315	Multiple Tube Fermentation	130,000	417,500	16,000,000	20,000
14:00	316315	Multiple Tube Fermentation	130,000	220,000	16,000,000	20,000
3:00	316315	Multiple Tube Fermentation	500,000	475,000	5,000,000	70,000
4:00	316315	Multiple Tube Fermentation	170,000	297,500	3,000,000	70,000
5:00	316315	Multiple Tube Fermentation	220,000	702,500	2,400,000	80,000
6:00	316315	Multiple Tube Fermentation	500,000	1,152,500	5,000,000	40,000

DHS – SOUTHERN CALIFORNIA LABORATORY				CONSTITUENT RESULTS (MG/L)[1]			
	STORET CODE	US EPA METHOD	REPORTING LIMITS	JUNE 2000	12 MONTHS AVERAGE	MAX VALUE	MIN VALUE
MBAS	38260	425.1	0.025	0.500	0.716	4.800	0.025
Total Phosphate as P	665	365.2	0.01	1.700	1.712	4.300	0.890
Phenol	32730	420.1	0.002	0.006	0.006	0.036	ND
Cyanide	720	335.2	0.01	0.010	0.003	0.020	0.010
Ammonia-Nitrogen (NH_3-N)	610	350.2	0.05	4.550	5.258	11.20	2.900
Nitrate - Nitrogen (NO_3-N)	71850	353.2	0.2	ND	0.375	3.100	0.200
Nitrite - Nitrogen (NO_2-N)	630	353.2	0.03	ND	0.020	0.200	ND
Hardness as ($CaCO_3$)	900	130.2	1	700	821	1040	645
Total Alkalinity as	410	310.1	1	260	268	337	225
Total Filter Residue (TDS)	70300	160.1	10	2530	2709	3480	1970
Total Suspended Solids	530	160.2	10	64	37	233	10
Turbidity	82078	180.1	0.1	18	14	38	6
BOD	310	405.1	2	130	40	130	8
COD	340	410.4	5	60	42	92	20

DHS – SOUTHERN CALIFORNIA LABORATORY				TRACE METALS RESULTS (UG/L)[1]			
TRACE METALS	STORET CODE	US EPA METHOD	REPORTING LIMITS	JUNE 2000	12 MONTH AVERAGE	MAX VALUE	MIN VALUE
As-Arsenic	1002	200.9	2	ND	3.2	11.0	3.0
Cd-Cadnium	1027	200.9	1	ND	ND	1.5	1.0
Cr-Chromium	1034	200.9	10	ND	ND	ND	ND
Cu-Copper	1042	200.9	10	ND	1.0	16.0	10.0
Pb-Lead	1051	200.9	10	ND	ND	10.0	10.0
Se-Selenium	1147	200.9	5	ND	ND	ND	ND
Zn-Zinc	1092	289.1	50	221	64.8	221.0	50.0
Hg-Mercury	71900	245.1	1	1.3	1.3	1.3	1.3

[1] Composite of eight water samples collected hourly.

DATE SAMPLED JUNE 21 & 22, 2000

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

CONSTITUENT[2] (ug/l)	STORET CODE	JUNE - 00 RESULTS (ug/l)							
		9:00	12:00	15:00	18:00	21:00	24:00	3:00	6:00
Benzene	34030	ND[3]	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	81555	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	A-012	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	32101	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	32104	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Mehyl Bromide)	34413	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	A-010	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	77350	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	77353	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	32102	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene (Monochlorobenzene)	34301	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	34311	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	32106	0.62	0.59	0.5	0.5	0.62	0.78	0.69	0.61
Chloromethane (Methyl Chloride)	34418	ND	ND	ND	ND	ND	ND	ND	ND
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromenhane	32105	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	77596	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-DCB)	34571	0.86	0.76	0.84	1.00	1.20	0.94	0.84	0.82
Dichlorodifluoromethane (Freon 12)	34668	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	77093	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethylene	34546	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	34541	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	77173	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	77170	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropylene	77168	ND	ND	ND	ND	ND	ND	ND	ND

[2] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected limit is reported as 0.5 for all the constituents; except as noted.
[3] ND = Concentration is reported below the detected limit.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

CONSTITUENT[4] (ug/l)	STORET CODE	JUNE - 00 RESULTS (ug/l)							
		9:00	12:00	15:00	18:00	21:00	24:00	3:00	6:00
cis- & trans-1,3-Dichloropropylene	34561	ND[5]	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene	34371	ND	ND	ND	ND	ND	ND	ND	ND
Ethylene dibromide (EDB)	77651	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	34391	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumeme	77223	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND	ND	ND	0.61	ND	ND	ND
Methylene chloride	34423	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone[6]	81595	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Isobutyl Ketone[7]	81596	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND	ND	ND	ND	ND	ND	ND
Napthalene	34696	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	77224	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	77128	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	77562	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	34516	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	34475	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	34010	1.20	0.63	0.81	0.64	1.50	0.56	0.55	ND
1,2,3-Trichlorobenzene	77613	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	34551	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	39180	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	77443	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)	34488	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	77222	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	77226	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-trifluoroethane (Freon	81611	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)	39175	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes	A-014	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	77135	ND	ND	ND	ND	ND	ND	ND	ND

[4] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected limit is reported as 0.5 for all the constituents; except as noted.
[5] ND = Concentration is reported below the detected limit.
[6] Detection Limit is as reported 2.0
[7] Detection Limit is as reported 2.0

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

FIELD RESULTS	HYDROLAB – YSI 6600				IN-HOFF CONE		
TIME	TEMP (°C)	PH	DISSOLVED OXYGEN (mg/l)	SPECIFIC CONDUCTANCE (umhos/cm)	Settleable Solids (ml/l)		
					10 min	30 min	60 min
7:00					0.1	0.1	0.1
8:00					<0.1	<0.1	<0.1
9:00					<0.1	<0.1	<0.1
10:00					<0.1	<0.1	<0.1
11:00					<0.1	<0.1	<0.1
12:00					0.1	0.2	0.3
13:00					0.1	0.2	0.2
14:00							
JULY AVERAGE					0.1	0.2	0.2
LAST 12 MONTHS AVE.	24.7	7.7	0.6	4657	0.1	0.2	0.2

FIELD OBSERVATIONS:

0700 - Ambient temperature is 21 °C. The sky is clear & sunny. Watercolor is olive green. There is a moderate septic odor. There is no foam on the River's surface.
0800 – No changes. Ambient temperature is 28 °C
0900 - Ambient temperature is 39 °C. Watercolor is green/gray
1000 - Ambient temperature is 41 °C. Sewage solids observed
1100 - Ambient temperature is 42 °C. Sewage solids observed.
1200 - Ambient temperature is 44 °C.
1300 - Ambient temperature is 46 °C.
1400 - Ambient temperature is 47 °C.

REG. WATER QUALITY CONTROL BOARD LAB.			**FECAL COLIFORM RESULTS (MPN/100ML)**			
COLLECTION TIME	STORET CODE	ANALYSIS METHOD	JULY 2000	12 MONTHS AVE	MAX VALUE	MIN VALUE
11:00	316315	Multiple Tube Fermentation	300,000	227,500	5,400,000	20,000
12:00	316315	Multiple Tube Fermentation	500,000	310,000	9,200,000	20,000
13:00	316315	Multiple Tube Fermentation	300,000	242,500	16,000,000	20,000
14:00	316315	Multiple Tube Fermentation	800,000	286,667	16,000,000	20,000

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

DHS – SOUTHERN CALIFORNIA LABORATORY				**CONSTITUENT RESULTS (MG/L)[1]**			
	STORET CODE	US EPA METHOD	REPORTING LIMITS	JULY 2000	12 MONTHS AVERAGE	MAX VALUE	MIN VALUE
MBAS	38260	425.1	0.025	0.25	0.661	4.800	0.025
Total Phosphate as P	665	365.2	0.01	2.07	1.788	4.300	0.890
Phenol	32730	420.1	0.002	0.007	0.003	0.036	ND
Cyanide	720	335.2	0.01	0.02	0.003	0.020	0.010
Ammonia -Nitrogen (NH_3-N)	610	350.2	0.05	4.82	5.185	11.200	2.900
Nitrate - Nitrogen (NO_3-N)	71850	353.2	0.2	0.3	0.367	3.100	0.200
Nitrite - Nitrogen (NO_2-N)	630	353.2	0.03	ND	0.017	0.200	ND
Hardness as ($CaCO_3$)	900	130.2	1	750	813	1040	645
Total Alkalinity as ($CaCO_3$)	410	310.1	1	256	266	337	225
Total Filter Residue (TDS)	70300	160.1	10	2650	2711	3480	1970
Total Suspended Solids	530	160.2	10	58	40	233	10
Turbidity	82078	180.1	0.1	18.5	14	38	6
BOD	310	405.1	2	26	40	84	8
COD	340	410.4	5	58	44	92	20

DHS – SOUTHERN CALIFORNIA LABORATORY				**TRACE METALS RESULTS (UG/L)[1]**			
TRACE METALS	STORET CODE	US EPA METHOD	REPORTING LIMITS	JULY 2000	12 MONTH AVERAGE	MAX VALUE	MIN VALUE
As-Arsenic	1002	200.9	2	6	3.2	11.0	3.0
Cd-Cadnium	1027	200.9	1	ND	ND	1.5	1.0
Cr-Chromium	1034	200.9	10	ND	ND	ND	ND
Cu-Copper	1042	200.9	10	ND	1.0	16.0	10.0
Pb-Lead	1051	200.9	10	ND	ND	10.0	10.0
Se-Selenium	1147	200.9	5	ND	ND	ND	ND
Zn-Zinc	1092	289.1	50	65	70.2	127.0	50.0
Hg-Mercury	71900	245.1	1	ND	0.1	ND	ND

[1] Composite of eight water samples collected hourly.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

CONSTITUENT[2] (ug/l)	STORET CODE	JULY - 00 RESULTS (ug/l)	
		9:00 AM	12:00 PM
Benzene	34030	ND[3]	ND
Bromobenzene	81555	ND	ND
Bromochloromethane	A-012	ND	ND
Bromodichloromethane	32101	ND	ND
Bromoform	32104	ND	ND
Bromomethane (Mehyl Bromide)	34413	ND	ND
n-Butylbenzene	A-010	ND	ND
sec-Butylbenzene	77350	ND	ND
tert-Butylbenzene	77353	ND	ND
Carbon Tetrachloride	32102	ND	ND
Chlorobenzene (Monochlorobenzene)	34301	ND	ND
Chloroethane	34311	ND	ND
Chloroform	32106	ND	0.71
Chloromethane (Methyl Chloride)	34418	ND	ND
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND
Dibromochloromenhane	32105	ND	ND
Dibromomethane	77596	ND	ND
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND
1,4-Dichlorobenzene (p-DCB)	34571	0.85	0.96
Dichlorodifluoromethane (Freon 12)	34668	ND	ND
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND
cis-1,2-Dichloroethylene	77093	ND	ND
trans-1,2-Dichloroethylene	34546	ND	ND
1,2-Dichloropropane	34541	ND	ND
1,3-Dichloropropane	77173	ND	ND
1,2-Dichloropropane	77170	ND	ND
1,1-Dichloropropylene	77168	ND	ND

[2] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected limit is reported as 0.5 for all the constituents; except as noted.
[3] ND = Concentration is reported below the detected limit.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

CONSTITUENT[4] (ug/l)	STORET CODE	JULY - 00 RESULTS (ug/l)	
		9:00 AM	12:00 PM
cis- & trans-1,3-Dichloropropylene	34561	ND[5]	ND
Ethyl benzene	34371	ND	ND
Ethylene dibromide (EDB)	77651	ND	ND
Hexachlorobutadiene	34391	ND	ND
Isopropylbenzene (Cumeme 77356)	77223	ND	ND
p-Isopropyltoluene (p-Cymene)	A-011	0.50	ND
Methylene chloride (Dichloromethane)	34423	ND	ND
Methyl Ethyl Ketone[6]	81595	ND	ND
Methyl Isobutyl Ketone[7]	81596	ND	ND
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND
Napthalene	34696	ND	ND
n-Propylbenzene	77224	ND	ND
Styrene	77128	ND	ND
1,1,1,2-Tetrachloroethane	77562	ND	ND
1,1,2,2-Tetrachloroethane	34516	ND	ND
Tetrachloroethylene (PCE)	34475	ND	ND
Toluene	34010	0.96	0.98
1,2,3-Trichlorobenzene	77613	ND	ND
1,2,4-Trichlorobenzene	34551	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND
Trichloroethylene (TCE)	39180	ND	ND
1,2,3-Trichloropropane	77443	ND	ND
Trichlorofluoromethane (Freon 11)	34488	ND	ND
1,2,4-Trimethylbenzene	77222	ND	ND
1,3,5-Trimethylbenzene	77226	ND	ND
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND
Vinyl chloride (VC)	39175	ND	ND
m,p-Xylenes	A-014	0.61	0.77
o-Xylene	77135	ND	ND

[4] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected limit is reported as 0.5 for all the constituents; except as noted.
[5] ND = Concentration is reported below the detected limit.
[6] Detection Limit is as reported 2.0
[7] Detection Limit is as reported 2.0

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

FIELD RESULTS	HYDROLAB – YSI 6600				IN-HOFF CONE		
TIME	TEMP (°C)	PH	DISSOLVED OXYGEN (mg/l)	SPECIFIC CONDUCTANCE (umhos/cm)	Settleable Solids (ml/l) 10 min	30 min	60 min
7:00	29.5	7.8	0.1	3855	<0.1	0.1	0.1
8:00	29.5	7.9	0.4	3830	<0.1	<0.1	<0.1
9:00					<0.1	0.1	0.1
10:00					<0.1	<0.1	<0.1
11:00					<0.1	<0.1	<0.1
12:00					<0.1	0.1	0.1
13:00					<0.1	0.1	0.1
14:00					0.0		
AUGUST AVERAGE	29.5	7.8	0.3	3843	0.0	0.1	0.1
LAST 12 MONTHS AVE.	25.3	7.7	0.6	4658	0.1	0.2	0.2

FIELD OBSERVATIONS:

0700 - Ambient temperature is 29 °C. The sky is cloudy. No breeze. Watercolor is pea green/gray. There is a moderate septic odor. There is foam on the River's surface.
0800 – No changes. Ambient temperature is 29 °C
0900 - Ambient temperature is 31 °C.
1000 - Ambient temperature is 32 °C.
1100 - Ambient temperature is 34 °C.
1200 - Ambient temperature is 35 °C.
1300 - Ambient temperature is 35 °C, no foam on the river's surface

REG. WATER QUALITY CONTROL BOARD LAB.			**FECAL COLIFORM RESULTS (MPN/100ML)**			
COLLECTION TIME	STORET CODE	ANALYSIS METHOD	AUGUST 2000	12 MONTHS AVE	MAX VALUE	MIN VALUE
11:00	316315	Multiple Tube Fermentation	270,000	231,667	5,400,000	20,000
12:00	316315	Multiple Tube Fermentation	300,000	323,333	9,200,000	20,000
13:00	316315	Multiple Tube Fermentation	40,000	236,667	16,000,000	20,000
14:00	316315	Multiple Tube Fermentation	140,000	289,167	16,000,000	20,000

DATE SAMPLED AUGUST 29, 2000

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

DHS – SOUTHERN CALIFORNIA LABORATORY				**CONSTITUENT RESULTS (MG/L)[1]**			
	STORET CODE	US EPA METHO D	REPORTING LIMITS	AUGUST 2000	12 MONTHS AVERAGE	MAX VALUE	MIN VALUE
MBAS	38260	425.1	0.025	1.890	0.713	4.800	0.025
Total Phosphate as P	665	365.2	0.01	1.84	1.728	4.300	0.890
Phenol	32730	420.1	0.002	ND	0.003	0.036	ND
Cyanide	720	335.2	0.01	ND	0.003	0.020	0.010
Ammonia-Nitrogen (NH_3-N)	610	350.2	0.05	5.00	5.202	11.200	2.900
Nitrate - Nitrogen (NO_3-N)	71850	353.2	0.2	ND	0.367	3.100	0.200
Nitrite - Nitrogen (NO_2-N)	630	353.2	0.03	ND	0.017	0.200	ND
Hardness as ($CaCO_3$)	900	130.2	1	708	798	1040	645
Total Alkalinity as ($CaCO_3$)	410	310.1	1	274	266	337	225
Total Filter Residue (TDS)	70300	160.1	10	2430	2671	3480	1970
Total Suspended Solids	530	160.2	10	35	39	233	10
Turbidity	82078	180.1	0.1	30.4	15	38	6
BOD	310	405.1	2	17.4	40	84	8
COD	340	410.4	5	51	45	92	20

DHS – SOUTHERN CALIFORNIA LABORATORY				**TRACE METALS RESULTS (ug/l)[1]**			
TRACE METALS	STORET CODE	US EPA METHOD	REPORTING LIMITS	AUGUST 2000	12 MONTH AVERAGE	MAX VALUE	MIN VALUE
As-Arsenic	1002	200.9	2	5	3.1	11.0	3.0
Cd-Cadnium	1027	200.9	1	ND	ND	1.5	1.0
Cr-Chromium	1034	200.9	10	ND	ND	ND	ND
Cu-Copper	1042	200.9	10	ND	1.0	16.0	10.0
Pb-Lead	1051	200.9	10	ND	ND	10.0	10.0
Se-Selenium	1147	200.9	5	ND	ND	ND	ND
Zn-Zinc	1092	289.1	50	126	71	127.0	50.0
Hg-Mercury	71900	245.1	1	ND	0.1	ND	ND

[1] Composite of eight water samples collected hourly.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

CONSTITUENT[2] (ug/l)	STORET CODE	AUG - 00 RESULTS (ug/l)	
		9:00 AM	12:00 PM
Benzene	34030	ND[3]	ND
Bromobenzene	81555	ND	ND
Bromochloromethane	A-012	ND	ND
Bromodichloromethane	32101	ND	ND
Bromoform	32104	ND	ND
Bromomethane (Mehyl Bromide)	34413	ND	ND
n-Butylbenzene	A-010	ND	ND
sec-Butylbenzene	77350	ND	ND
tert-Butylbenzene	77353	ND	ND
Carbon Tetrachloride	32102	ND	ND
Chlorobenzene (Monochlorobenzene)	34301	ND	ND
Chloroethane	34311	ND	ND
Chloroform	32106	0.50	0.66
Chloromethane (Methyl Chloride)	34418	ND	ND
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND
Dibromochloromenhane	32105	ND	ND
Dibromomethane	77596	ND	ND
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND
1,4-Dichlorobenzene (p-DCB)	34571	0.87	0.91
Dichlorodifluoromethane (Freon 12)	34668	ND	ND
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND
cis-1,2-Dichloroethylene	77093	ND	ND
trans-1,2-Dichloroethylene	34546	ND	ND
1,2-Dichloropropane	34541	ND	ND
1,3-Dichloropropane	77173	ND	ND
1,2-Dichloropropane	77170	ND	ND
1,1-Dichloropropylene	77168	ND	ND

[2] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected limit is reported as 0.5 for all the constituents; except as noted.
[3] ND = Concentration is reported below the detected limit.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

CONSTITUENT[4] (ug/l)	STORET CODE	AUG – 00 RESULTS (ug/l)	
		9:00 AM	12:00 PM
cis- & trans-1,3-Dichloropropylene	34561	ND[5]	ND
Ethyl benzene	34371	ND	ND
Ethylene dibromide (EDB)	77651	ND	ND
Hexachlorobutadiene	34391	ND	ND
Isopropylbenzene (Cumeme 77356)	77223	ND	ND
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND
Methylene chloride (Dichloromethane)	34423	ND	ND
Methyl Ethyl Ketone[6]	81595	ND	ND
Methyl Isobutyl Ketone[7]	81596	ND	ND
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND
Napthalene	34696	ND	ND
n-Propylbenzene	77224	ND	ND
Styrene	77128	ND	ND
1,1,1,2-Tetrachloroethane	77562	ND	ND
1,1,2,2-Tetrachloroethane	34516	ND	ND
Tetrachloroethylene (PCE)	34475	ND	ND
Toluene	34010	ND	ND
1,2,3-Trichlorobenzene	77613	ND	ND
1,2,4-Trichlorobenzene	34551	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND
Trichloroethylene (TCE)	39180	ND	ND
1,2,3-Trichloropropane	77443	ND	ND
Trichlorofluoromethane (Freon 11)	34488	1.1	1.4
1,2,4-Trimethylbenzene	77222	ND	ND
1,3,5-Trimethylbenzene	77226	ND	ND
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND
Vinyl chloride (VC)	39175	ND	ND
m,p-Xylenes	A-014	ND	ND
o-Xylene	77135	ND	ND

[4] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected limit is reported as 0.5 for all the constituents; except as noted.
[5] ND = Concentration is reported below the detected limit.
[6] Detection Limit is as reported 2.0
[7] Detection Limit is as reported 2.0

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

FIELD RESULTS	HYDROLAB – YSI 6600				IN-HOFF CONE		
TIME	TEMP (°C)	PH	DISSOLVED OXYGEN (mg/l)	SPECIFIC CONDUCTANCE (umhos/cm)	Settleable Solids (ml/l)		
					10 min	30 min	60 min
07:00	25.0	7.7	0.2	3433	<0.1	<0.1	<0.1
08:00	25.0	7.7	0.1	3420	0.1	<0.1	<0.1
09:00	25.0	7.7	0.2	3519	<0.1	<0.1	<0.1
10:00	25.3	7.7	0.0	3500	<0.1	0.1	<0.1
11:00	25.6	7.7	0.0	3504	<0.1	<0.1	<0.1
12:00	25.9	7.7	0.0	3621	<0.1	<0.1	<0.1
13:00	26.3	7.7	0.0	3551	<0.1	<0.1	0.1
14:00	26.8	7.7	0.0	3550			
15:00	27.3	7.7	0.0	3559	0.2	0.4	0.4
16:00	27.7	7.7	0.0	3560	0.3	0.4	0.5
17:00	27.9	7.8	0.0	3592	0.1	0.2	0.2
18:00	28.1	7.7	0.0	3611	0.3	0.3	0.3
19:00	28.1	7.7	0.0	3625	0.1	0.2	0.2
20:00	28.0	7.7	0.0	3636	0.3	0.3	0.3
21:00	27.8	7.7	0.0	3565	0.2	0.5	0.5
22:00	27.6	7.6	0.0	3615	0.2	0.5	0.5
23:00	27.3	7.7	0.0	3631	0.2	0.4	0.4
24:00	27.0	7.6	0.0	3663	0.4	0.5	0.5
01:00	26.7	7.6	0.0	3662	0.2	0.3	0.3
02:00	26.2	7.6	0.0	3564	0.5	0.5	0.5
03:00	26.1	7.6	0.0	3612	0.3	0.4	0.3
04:00	25.9	7.6	0.0	3648	0.3	0.3	0.3
05:00	25.8	7.7	0.0	3538	0.2	0.3	0.3
06:00	25.0	7.7	0.2	3433	<0.1	<0.1	<0.1
SEPTEMBER AVE.	26.7	7.7	0.0	3575	0.2	0.4	0.4
LAST 12 MONTHS AVE.	25.4	7.7	0.6	4641	0.1	0.2	0.2

FIELD OBSERVATIONS:

0700 – 900 the Ambient temperature ranged from 21 °C to 23 °C. The sky is clear & sunny. Watercolor is pea green. There is a strong septic odor. There is little foam on the River's surface.
1000 – 1100 no changes, except no foam. Ambient temperature is 34 °C
1200 – 1400 the Ambient temperature ranged from 34 °C to 38 °C. Considerable and constant flow of trash, dead dog and a dead fish was observed.
1500 – 1900 ambient temperature ranged from 40 °C to 28 °C.
2000 – 2200 ambient temperature is ranged from 25 °C to 22 °C.
2300 - Ambient temperature is 23 °C.
2400 - Ambient temperature is 22 °C.
100 – 600 Ambient temperature ranged from 21 °C to 19 °C.

DATE SAMPLED SEPTEMBER 26 & 27, 2000

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

REG. WATER QUALITY CONTROL BOARD LAB.			FECAL COLIFORM RESULTS (MPN/100ML)			
COLLECTION TIME	STORET CODE	ANALYSIS METHOD	SEPT 2000	12 MONTHS AVE	MAX VALUE	MIN VALUE
11:00	316315	Multiple Tube Fermentation	400,000	254,167	5,400,000	20,000
12:00	316315	Multiple Tube Fermentation	700,000	375,000	9,200,000	20,000
13:00	316315	Multiple Tube Fermentation	400,000	263,333	16,000,000	20,000
14:00	316315	Multiple Tube Fermentation	270,000	308,333	16,000,000	20,000
3:00	316315	Multiple Tube Fermentation	500,000	108,333	5,000,000	70,000
4:00	316315	Multiple Tube Fermentation	330,000	60,000	3,000,000	70,000
5:00	316315	Multiple Tube Fermentation	340,000	220,833	2,400,000	80,000
6:00	316315	Multiple Tube Fermentation	300,000	159,167	5,000,000	40,000

DHS – SOUTHERN CALIFORNIA LABORATORY				CONSTITUENT RESULTS (MG/L)[1]			
	STORET CODE	US EPA METHOD	REPORTING LIMITS	SEPT 2000	12 MONTHS AVERAGE	MAX VALUE	MIN VALUE
MBAS	38260	425.1	0.025	1.85	0.837	4.800	0.025
Total Phosphate as P	665	365.2	0.01	0.13	1.596	4.300	0.890
Phenol	32730	420.1	0.002	0.005	0.003	0.036	ND
Cyanide	720	335.2	0.01	ND	0.003	0.020	0.010
Ammonia-Nitrogen (NH_3-N)	610	350.2	0.05	3.52	5.145	11.20	2.900
Nitrate - Nitrogen (NO_3-N)	71850	353.2	0.2	0.13	0.378	3.100	0.200
Nitrite - Nitrogen (NO_2-N)	630	353.2	0.03	ND	0.017	0.200	ND
Hardness as ($CaCO_3$)	900	130.2	1	770	798	1040	645
Total Alkalinity as	410	310.1	1	251	265	337	225
Total Filter Residue (TDS)	70300	160.1	10	2390	2663	3480	1970
Total Suspended Solids	530	160.2	10	58.8	41	233	10
Turbidity	82078	180.1	0.1	21.5	16	38	6
BOD	310	405.1	2	43	42	130	8
COD	340	410.4	5	47.1	46	92	20

DHS – SOUTHERN CALIFORNIA LABORATORY				TRACE METALS RESULTS (UG/L)[1]			
TRACE METALS	STORET CODE	US EPA METHOD	REPORTING LIMITS	SEPT 2000	12 MONTH AVERAGE	MAX VALUE	MIN VALUE
As-Arsenic	1002	200.9	2	6	3.1	11.0	3.0
Cd-Cadnium	1027	200.9	1	ND	ND	1.5	1.0
Cr-Chromium	1034	200.9	10	ND	ND	ND	ND
Cu-Copper	1042	200.9	10	ND	1.0	16.0	10.0
Pb-Lead	1051	200.9	10	ND	ND	10.0	10.0
Se-Selenium	1147	200.9	5	ND	ND	ND	ND
Zn-Zinc	1092	289.1	50	54	65	221.0	50.0
Hg-Mercury	71900	245.1	1	77	7	77	1.3

[1] Composite of eight water samples collected hourly.

DATE SAMPLED SEPTEMBER 26 & 27, 2000

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

CONSTITUENT[2] (ug/l)	STORET CODE	SEPTEMBER RESULTS (ug/l)							
		9:00	12:00	15:00	18:00	21:00	24:00	3:00	6:00
Benzene	34030	ND[3]	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	81555	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	A-012	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	32101	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	32104	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Mehyl Bromide)	34413	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	A-010	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	77350	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	77353	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	32102	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene (Monochlorobenzene)	34301	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	34311	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	32106	0.64	0.87	0.88	0.85	0.88	0.88	1.1	0.82
Chloromethane (Methyl Chloride)	34418	ND	ND	ND	ND	ND	ND	ND	ND
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromenhane	32105	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	77596	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND	2.1	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-DCB)	34571	0.91	1.0	3.60	1.7	1.2	1.2	1.1	0.92
Dichlorodifluoromethane (Freon 12)	34668	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	77093	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethylene	34546	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	34541	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	77173	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	77170	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropylene	77168	ND	ND	ND	ND	ND	ND	ND	ND

[2] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected limit is reported as 0.5 for all the constituents; except as noted.
[3] ND = Concentration is reported below the detected limit.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

CONSTITUENT[4] (ug/l)	STORET CODE	SEPTEMBER RESULTS (ug/l)							
		9:00	12:00	15:00	18:00	21:00	24:00	3:00	6:00
cis- & trans-1,3-Dichloropropylene	34561	ND[5]	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene	34371	ND	ND	ND	ND	ND	ND	ND	ND
Ethylene dibromide (EDB)	77651	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	34391	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumeme 77356)	77223	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (p-Cymene)	A-011	1.8	0.92	0.74	0.77	0.68	0.92	0.69	0.73
Methylene chloride (Dichloromethane)	34423	ND	ND	ND	ND	ND	ND	0.63	ND
Methyl Ethyl Ketone[6]	81595	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Isobutyl Ketone[7]	81596	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND	ND	ND	ND	ND	ND	ND
Napthalene	34696	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	77224	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	77128	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	77562	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	34516	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	34475	ND	ND	2.2	ND	ND	ND	ND	ND
Toluene	34010	0.78	0.71	2.0	1.2	3.4	1.9	1.00	1.8
1,2,3-Trichlorobenzene	77613	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	34551	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	39180	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	77443	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)	34488	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	77222	ND	ND	ND	0.76	0.56	0.68	ND	ND
1,3,5-Trimethylbenzene	77226	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)	39175	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Xylenes	A-014	ND	ND	ND	ND	0.72	1.1	0.61	ND
o-Xylene	77135	ND	ND	ND	ND	ND	0.50	ND	ND

[4] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected limit is reported as 0.5 for all the constituents; except as noted.
[5] ND = Concentration is reported below the detected limit.
[6] Detection Limit is as reported 2.0
[7] Detection Limit is as reported 2.0

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

FIELD RESULTS	HYDROLAB – YSI 6600				IN-HOFF CONE		
TIME	TEMP (°C)	PH	DISSOLVED OXYGEN (mg/l)	SPECIFIC CONDUCTANCE (umhos/cm)	Settleable Solids (ml/l) 10 min	30 min	60 min
7:00	21.4	7.6	1.0	3996	<0.1	<0.1	<0.1
8:00	21.4	7.6	0.9	4012	<0.1	<0.1	<0.1
9:00	21.4	7.6	0.9	4032	<0.1	<0.1	<0.1
10:00	21.6	7.6	1.0	3988	<0.1	0.1	0.1
11:00	21.9	7.6	0.9	3844	<0.1	<0.1	<0.1
12:00	22.1	7.6	0.8	3961	0.3	0.3	0.3
13:00	22.2	7.6	0.8	3996	0.1	0.2	0.2
14:00	22.3	7.6	0.3	4026			
OCTOBER 2000	21.8	7.6	0.8	3982	0.2	0.2	0.2
LAST 12 MONTHS AVE.	24.8	7.7	0.7	4589	0.1	0.2	0.2

FIELD OBSERVATIONS:

0700 - Ambient temperature is 20 °C. There is a moderate septic odor. There is foam on the River's surface.
0800 –Ambient temperature is 20 °C, foam decreased
0900 - Ambient temperature is 26.5 °C.
1000 - Ambient temperature is 27.5 °C, watercolor is greenish
1100 - Ambient temperature is 28 °C.
1200 - Ambient temperature is 28 °C.
1300 - Ambient temperature is 28.5 °C.
1400 - Ambient temperature is 30 °C.

REG. WATER QUALITY CONTROL BOARD LAB.			**FECAL COLIFORM RESULTS (MPN/100ML)**			
COLLECTION TIME	STORET CODE	ANALYSIS METHOD	OCTOBER 2000	12 MONTHS AVE	MAX VALUE	MIN VALUE
11:00	316315	Multiple Tube Fermentation	300,000	237,500	5,400,000	20,000
12:00	316315	Multiple Tube Fermentation	300,000	308,333	9,200,000	20,000
13:00	316315	Multiple Tube Fermentation	1,100,000	313,333	16,000,000	20,000
14:00	316315	Multiple Tube Fermentation	1,100,000	291,667	16,000,000	20,000

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

DHS – SOUTHERN CALIFORNIA LABORATORY				**CONSTITUENT RESULTS (MG/L)[1]**			
	STORET CODE	US EPA METHOD	REPORTING LIMITS	OCT 2000	12 MONTHS AVERAGE	MAX VALUE	MIN VALUE
MBAS	38260	425.1	0.025	2.01	0.983	4.800	0.025
Total Phosphate as P	665	365.2	0.01	1.84	1.611	4.300	0.890
Phenol	32730	420.1	0.002	ND	0.003	0.036	ND
Cyanide	720	335.2	0.01	ND	0.003	0.020	0.010
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	7.39	5.469	11.200	2.900
Nitrate - Nitrogen (NO_3-N)	71850	353.2	0.2	ND	0.378	3.100	0.200
Nitrite - Nitrogen (NO_2-N)	630	353.2	0.03	ND	0.017	0.200	ND
Hardness as ($CaCO_3$)	900	130.2	1	697	789	1040	645
Total Alkalinity as ($CaCO_3$)	410	310.1	1	268	266	337	225
Total Filter Residue (TDS)	70300	160.1	10	2090	2618	3480	1970
Total Suspended Solids	530	160.2	10	46	41	233	10
Turbidity	82078	180.1	0.1	39	18	38	6
BOD	310	405.1	2	23	42	84	8
COD	340	410.4	5	60	46	92	20

DHS – SOUTHERN CALIFORNIA LABORATORY				**TRACE METALS RESULTS (ug/l)[1]**			
TRACE METALS	STORET CODE	US EPA METHOD	REPORTING LIMITS	OCT 2000	12 MONTH AVERAGE	MAX VALUE	MIN VALUE
As-Arsenic	1002	200.9	2	3	2.8	11.0	3.0
Cd-Cadnium	1027	200.9	1	ND	ND	1.5	1.0
Cr-Chromium	1034	200.9	10	ND	ND	ND	ND
Cu-Copper	1042	200.9	10	ND	1.0	16.0	10.0
Pb-Lead	1051	200.9	10	ND	ND	10.0	10.0
Se-Selenium	1147	200.9	5	ND	ND	ND	ND
Zn-Zinc	1092	289.1	50	ND	60	127.0	50.0
Hg-Mercury	71900	245.1	1	ND	6.5	ND	ND

[1] Composite of eight water samples collected hourly.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

CONSTITUENT[2] (ug/l)	STORET CODE	OCT - 00 RESULTS (ug/l)	
		9:00 AM	12:00 PM
Benzene	34030	ND[3]	ND
Bromobenzene	81555	ND	ND
Bromochloromethane	A-012	ND	ND
Bromodichloromethane	32101	ND	ND
Bromoform	32104	ND	ND
Bromomethane (Mehyl Bromide)	34413	ND	ND
n-Butylbenzene	A-010	ND	ND
sec-Butylbenzene	77350	ND	ND
tert-Butylbenzene	77353	ND	ND
Carbon Tetrachloride	32102	ND	ND
Chlorobenzene (Monochlorobenzene)	34301	ND	ND
Chloroethane	34311	ND	ND
Chloroform	32106	0.65	0.86
Chloromethane (Methyl Chloride)	34418	ND	ND
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND
Dibromochloromenhane	32105	ND	ND
Dibromomethane	77596	ND	ND
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND
1,4-Dichlorobenzene (p-DCB)	34571	1.0	1.3
Dichlorodifluoromethane (Freon 12)	34668	ND	ND
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND
cis-1,2-Dichloroethylene	77093	ND	ND
trans-1,2-Dichloroethylene	34546	ND	ND
1,2-Dichloropropane	34541	ND	ND
1,3-Dichloropropane	77173	ND	ND
1,2-Dichloropropane	77170	ND	ND
1,1-Dichloropropylene	77168	ND	ND

[2] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected limit is reported as 0.5 for all the constituents; except as noted.
[3] ND = Concentration is reported below the detected limit.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

CONSTITUENT[4] (ug/l)	STORET CODE	OCT - 00 RESULTS (ug/l)	
		9:00 AM	12:00 PM
cis- & trans-1,3-Dichloropropylene	34561	ND[5]	ND
Ethyl benzene	34371	ND	ND
Ethylene dibromide (EDB)	77651	ND	ND
Hexachlorobutadiene	34391	ND	ND
Isopropylbenzene (Cumeme 77356)	77223	ND	ND
p-Isopropyltoluene (p-Cymene)	A-011	0.75	0.87
Methylene chloride (Dichloromethane)	34423	ND	ND
Methyl Ethyl Ketone[6]	81595	ND	ND
Methyl Isobutyl Ketone[7]	81596	ND	ND
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND
Napthalene	34696	ND	ND
n-Propylbenzene	77224	ND	ND
Styrene	77128	ND	ND
1,1,1,2-Tetrachloroethane	77562	ND	ND
1,1,2,2-Tetrachloroethane	34516	ND	ND
Tetrachloroethylene (PCE)	34475	ND	ND
Toluene	34010	1.1	1.8
1,2,3-Trichlorobenzene	77613	ND	ND
1,2,4-Trichlorobenzene	34551	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND
Trichloroethylene (TCE)	39180	ND	ND
1,2,3-Trichloropropane	77443	ND	ND
Trichlorofluoromethane (Freon 11)	34488	ND	ND
1,2,4-Trimethylbenzene	77222	ND	0.70
1,3,5-Trimethylbenzene	77226	ND	ND
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND
Vinyl chloride (VC)	39175	ND	ND
m,p-Xylenes	A-014	1.0	1.5
o-Xylene	77135	ND	0.69

[4] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected limit is reported as 0.5 for all the constituents; except as noted.
[5] ND = Concentration is reported below the detected limit.
[6] Detection Limit is as reported 2.0
[7] Detection Limit is as reported 2.0

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

FIELD RESULTS	HYDROLAB – YSI 6600				IN-HOFF CONE		
TIME	TEMP (°C)	PH	DISSOLVED OXYGEN (mg/l)	SPECIFIC CONDUCTANCE (umhos/cm)	Settleable Solids (ml/l)		
					10 min	30 min	60 min
7:00	14.9	7.8	2.5	2619	<0.1	<0.1	<0.1
8:00	14.9	8.3	2.6	2210	0.1	0.2	0.2
9:00	14.9	7.8	2.7	2787	<0.1	0.1	0.1
10:00	15.2	8.9	3.3	2354	<0.1	0.1	0.1
11:00	15.3	8.2	3.5	2466	0.1	0.1	0.1
12:00	15.5	7.8	3.3	2609	0.1	0.1	0.1
13:00	15.7	7.9	3.1	3118	<0.1	<0.1	<0.1
14:00	16.0	7.9	3.0	3420			
NOVEMBER 2000	15.3	8.1	3.0	2698	0.1	0.1	0.1
LAST 12 MONTHS AVE.	23.7	7.8	0.9	4480	0.1	0.2	0.2

FIELD OBSERVATIONS:

0700 - Ambient temperature is 20 °C. There is a moderate septic odor. There is foam on the River's surface. Watercolor is grayish
0800 –No changes. Ambient temperature is 18 °C.
0900 - Ambient temperature is 18 °C.
1000 - Ambient temperature is 18.5 °C, foam is decreasing
1100 - Ambient temperature is 22 °C, no foam.
1200 – No changes, ambient temperature is 24 °C.
1300 - Ambient temperature is 25 °C.
1400 - Ambient temperature is 25.5 °C.

REG. WATER QUALITY CONTROL BOARD LAB.			**FECAL COLIFORM RESULTS (MPN/100ML)**			
COLLECTION TIME	STORET CODE	ANALYSIS METHOD	NOVEMBER 2000	12 MONTHS AVE	MAX VALUE	MIN VALUE
11:00	316315	Multiple Tube Fermentation	40,000	230,000	5,400,000	20,000
12:00	316315	Multiple Tube Fermentation	40,000	292,500	9,200,000	20,000
13:00	316315	Multiple Tube Fermentation	170,000	316,667	16,000,000	20,000
13:30	316315	Multiple Tube Fermentation	110,000	110,000	110,000	110,000
14:00	316315	Multiple Tube Fermentation	500,000	322,500	16,000,000	20,000

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

DHS – SOUTHERN CALIFORNIA LABORATORY				**CONSTITUENT RESULTS (MG/L)[1]**			
	STORET CODE	US EPA METHOD	REPORTING LIMITS	NOV 2000	12 MONTHS AVERAGE	MAX VALUE	MIN VALUE
MBAS	38260	425.1	0.025	2.00	1.047	4.800	0.025
Total Phosphate as P	665	365.2	0.010	2.35	1.675	4.300	0.890
Phenol	32730	420.1	0.002	ND	0.003	0.036	ND
Cyanide	720	335.2	0.010	ND	0.003	0.020	0.010
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.050	7.1	5.728	11.200	2.900
Nitrate - Nitrogen (NO_3-N)	71850	353.2	0.200	0.43	0.413	3.100	0.200
Nitrite - Nitrogen (NO_2-N)	630	353.2	0.030	ND	0.017	0.200	ND
Hardness as ($CaCO_3$)	900	130.2	1	758	785	1040	645
Total Alkalinity as ($CaCO_3$)	410	310.1	1	274	267	337	225
Total Filter Residue (TDS)	70300	160.1	10	2290	2590	3480	1970
Total Suspended Solids	530	160.2	10	35.5	42	233	10
Turbidity	82078	180.1	0.1	26	19	38	6
BOD	310	405.1	2	21	42	84	8
COD	340	410.4	5	31.5	45	92	20

DHS – SOUTHERN CALIFORNIA LABORATORY				**TRACE METALS RESULTS (ug/l)[1]**			
TRACE METALS	STORET CODE	US EPA METHOD	REPORTING LIMITS	NOV 2000	12 MONTH AVERAGE	MAX VALUE	MIN VALUE
As-Arsenic	1002	200.9	2	3	2.7	11.0	3.0
Cd-Cadnium	1027	200.9	1	ND	ND	1.5	1.0
Cr-Chromium	1034	200.9	10	ND	ND	ND	ND
Cu-Copper	1042	200.9	10	ND	1.0	16.0	10.0
Pb-Lead	1051	200.9	10	ND	ND	10.0	10.0
Se-Selenium	1147	200.9	5	ND	ND	ND	ND
Zn-Zinc	1092	289.1	50	93	63	127.0	50.0
Hg-Mercury	71900	245.1	1	ND	6.5	ND	ND

[1] Composite of eight water samples collected hourly.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

CONSTITUENT[2] (ug/l)	STORET CODE	NOV- 00 RESULTS (ug/l)	
		9:00 AM	12:00 PM
Benzene	34030	ND[3]	ND
Bromobenzene	81555	ND	ND
Bromochloromethane	A-012	ND	ND
Bromodichloromethane	32101	ND	ND
Bromoform	32104	ND	ND
Bromomethane (Mehyl Bromide)	34413	ND	ND
n-Butylbenzene	A-010	ND	ND
sec-Butylbenzene	77350	ND	ND
tert-Butylbenzene	77353	ND	ND
Carbon Tetrachloride	32102	ND	ND
Chlorobenzene (Monochlorobenzene)	34301	ND	ND
Chloroethane	34311	ND	ND
Chloroform	32106	0.61	0.63
Chloromethane (Methyl Chloride)	34418	ND	ND
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND
Dibromochloromenhane	32105	ND	ND
Dibromomethane	77596	ND	ND
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND
1,4-Dichlorobenzene (p-DCB)	34571	0.96	0.94
Dichlorodifluoromethane (Freon 12)	34668	ND	ND
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND
cis-1,2-Dichloroethylene	77093	ND	ND
trans-1,2-Dichloroethylene	34546	ND	ND
1,2-Dichloropropane	34541	ND	ND
1,3-Dichloropropane	77173	ND	ND
1,2-Dichloropropane	77170	ND	ND
1,1-Dichloropropylene	77168	ND	ND

[2] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected limit is reported as 0.5 for all the constituents; except as noted.
[3] ND = Concentration is reported below the detected limit.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

CONSTITUENT[4] (ug/l)	STORET CODE	NOV- 00 RESULTS (ug/l)	
		9:00 AM	12:00 PM
cis- & trans-1,3-Dichloropropylene	34561	ND[5]	ND
Ethyl benzene	34371	ND	ND
Ethylene dibromide (EDB)	77651	ND	ND
Hexachlorobutadiene	34391	ND	ND
Isopropylbenzene (Cumeme 77356)	77223	ND	ND
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND
Methylene chloride (Dichloromethane)	34423	ND	ND
Methyl Ethyl Ketone[6]	81595	ND	ND
Methyl Isobutyl Ketone[7]	81596	ND	ND
Methyl tert-Butyl Ether (MTBE)	A-030	0.51	ND
Napthalene	34696	ND	ND
n-Propylbenzene	77224	ND	ND
Styrene	77128	ND	ND
1,1,1,2-Tetrachloroethane	77562	ND	ND
1,1,2,2-Tetrachloroethane	34516	ND	ND
Tetrachloroethylene (PCE)	34475	ND	ND
Toluene	34010	1.1	1.1
1,2,3-Trichlorobenzene	77613	ND	ND
1,2,4-Trichlorobenzene	34551	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND
Trichloroethylene (TCE)	39180	ND	ND
1,2,3-Trichloropropane	77443	ND	ND
Trichlorofluoromethane (Freon 11)	34488	ND	ND
1,2,4-Trimethylbenzene	77222	ND	ND
1,3,5-Trimethylbenzene	77226	ND	ND
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND
Vinyl chloride (VC)	39175	ND	ND
m,p-Xylenes	A-014	0.5	ND
o-Xylene	77135	ND	ND

[4] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected limit is reported as 0.5 for all the constituents; except as noted.
[5] ND = Concentration is reported below the detected limit.
[6] Detection Limit is as reported 2.0
[7] Detection Limit is as reported 2.0

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

FIELD RESULTS	HYDROLAB – YSI 6600				IN-HOFF CONE		
TIME	TEMP (°C)	PH	DISSOLVED OXYGEN (mg/l)	SPECIFIC CONDUCTANCE (umhos/cm)	Settleable Solids (ml/l) 10 min	30 min	60 min
7:00	12.2	7.7	3.6	3673	<0.1	<0.1	<0.1
8:00	12.2	7.7	4.2	3680	<0.1	<0.1	<0.1
9:00	12.2	7.8	5.9	3682	<0.1	<0.1	<0.1
10:00	12.4	7.7	3.9	3651	0.1	0.1	0.1
11:00	12.7	7.7	4.2	3615	0.1	0.1	0.1
12:00	12.9	7.7	4.1	3612	0.3	0.7	
13:00	13.1	7.8	4.8	3632	0.2	0.2	0.3
14:00	13.4	7.8	4.2	3625			
DECEMBER 2000	12.6	7.7	4.4	3646	0.2	0.3	0.2
LAST 12 MONTHS AVE.	22.2	7.8	1.3	4425	0.1	0.2	0.2

FIELD OBSERVATIONS:

0700 - Ambient temperature is 16 °C. There is a moderate septic odor. There is foam on the River's surface. Watercolor is olive green-grayish.the sky is clear and sunny.
0800 –No changes. Ambient temperature is 18 °C.
0900 - Ambient temperature is 18 °C.
1000 - Ambient temperature is 20 °C, foam is decreasing
1100 - Ambient temperature is 20.5 °C, no foam.
1200 - Ambient temperature is 20.5 °C, watercolor changed drastically from olive green to a dark/obscure green color.
1300 - Ambient temperature is 23 °C, watercolor is back to olive green. No other changes are observed
1400 - Ambient temperature is 20 °C.

REG. WATER QUALITY CONTROL BOARD LAB.			**FECAL COLIFORM RESULTS (MPN/100ML)**			
COLLECTION TIME	STORET CODE	ANALYSIS METHOD	DECEMBER 2000	12 MONTHS AVE	MAX VALUE	MIN VALUE
11:00	316315	Multiple Tube Fermentation	40,000	300,000	5,400,000	20,000
12:00	316315	Multiple Tube Fermentation	40,000	2,400,000	9,200,000	20,000
13:00	316315	Multiple Tube Fermentation	170,000	300,000	16,000,000	20,000
14:00	316315	Multiple Tube Fermentation	500,000	110,000	16,000,000	20,000

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

DHS – SOUTHERN CALIFORNIA LABORATORY				**CONSTITUENT RESULTS (MG/L)[1]**			
	STORET CODE	US EPA METHOD	REPORTING LIMITS	DEC 2000	12 MONTHS AVERAGE	MAX VALUE	MIN VALUE
MBAS	38260	425.1	0.025	2.07	1.107	4.800	0.025
Total Phosphate as P	665	365.2	0.010	1.42	1.614	4.300	0.890
Phenol	32730	420.1	0.002	0.007	0.003	0.036	ND
Cyanide	720	335.2	0.010	ND	0.003	0.020	0.010
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.050	7.47	5.875	11.200	2.900
Nitrate - Nitrogen (NO_3-N)	71850	353.2	0.200	0.34	0.442	3.100	0.200
Nitrite - Nitrogen (NO_2-N)	630	353.2	0.030	ND	0.017	0.200	ND
Hardness as ($CaCO_3$)	900	130.2	1	775	783	1040	645
Total Alkalinity as ($CaCO_3$)	410	310.1	1	296	270	337	225
Total Filter Residue (TDS)	70300	160.1	10	2400	2564	3480	1970
Total Suspended Solids	530	160.2	10	74	46	233	10
Turbidity	82078	180.1	0.1	9.4	19	38	6
BOD	310	405.1	2	62	46	84	8
COD	340	410.4	5	39.4	45	92	20

DHS – SOUTHERN CALIFORNIA LABORATORY				**TRACE METALS RESULTS (ug/l)[1]**			
TRACE METALS	STORET CODE	US EPA METHOD	REPORTING LIMITS	DEC 2000	12 MONTH AVERAGE	MAX VALUE	MIN VALUE
As-Arsenic	1002	200.9	2	3	2.5	11.0	3.0
Cd-Cadnium	1027	200.9	1	ND	ND	1.5	1.0
Cr-Chromium	1034	200.9	10	ND	ND	ND	ND
Cu-Copper	1042	200.9	10	ND	1.0	16.0	10.0
Pb-Lead	1051	200.9	10	ND	ND	10.0	10.0
Se-Selenium	1147	200.9	5	ND	ND	ND	ND
Zn-Zinc	1092	289.1	50	66	68	127.0	50.0
Hg-Mercury	71900	245.1	1	ND	6.5	ND	ND

[1] Composite of eight water samples collected hourly.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

CONSTITUENT[2] (ug/l)	STORET CODE	DEC - 00 RESULTS (ug/l)	
		9:00 AM	12:00 PM
Benzene	34030	ND[3]	ND
Bromobenzene	81555	ND	ND
Bromochloromethane	A-012	ND	ND
Bromodichloromethane	32101	ND	ND
Bromoform	32104	ND	ND
Bromomethane (Mehyl Bromide)	34413	ND	ND
n-Butylbenzene	A-010	ND	ND
sec-Butylbenzene	77350	ND	ND
tert-Butylbenzene	77353	ND	ND
Carbon Tetrachloride	32102	ND	ND
Chlorobenzene (Monochlorobenzene)	34301	ND	ND
Chloroethane	34311	ND	ND
Chloroform	32106	ND	ND
Chloromethane (Methyl Chloride)	34418	ND	ND
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND
Dibromochloromenhane	32105	ND	ND
Dibromomethane	77596	ND	ND
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND
1,4-Dichlorobenzene (p-DCB)	34571	0.90	1.2
Dichlorodifluoromethane (Freon 12)	34668	ND	ND
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND
cis-1,2-Dichloroethylene	77093	ND	ND
trans-1,2-Dichloroethylene	34546	ND	ND
1,2-Dichloropropane	34541	ND	ND
1,3-Dichloropropane	77173	ND	ND
1,2-Dichloropropane	77170	ND	ND
1,1-Dichloropropylene	77168	ND	ND

[2] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected limit is reported as 0.5 for all the constituents; except as noted.
[3] ND = Concentration is reported below the detected limit.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

CONSTITUENT[4] (ug/l)	STORET CODE	DEC - 00 RESULTS (ug/l)	
		9:00 AM	12:00 PM
cis- & trans-1,3-Dichloropropylene	34561	ND[5]	ND
Ethyl benzene	34371	ND	ND
Ethylene dibromide (EDB)	77651	ND	ND
Hexachlorobutadiene	34391	ND	ND
Isopropylbenzene (Cumeme 77356)	77223	ND	ND
p-Isopropyltoluene (p-Cymene)	A-011	ND	1.4
Methylene chloride (Dichloromethane)	34423	ND	ND
Methyl Ethyl Ketone[6]	81595	ND	ND
Methyl Isobutyl Ketone[7]	81596	ND	ND
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND
Napthalene	34696	ND	0.6
n-Propylbenzene	77224	ND	ND
Styrene	77128	ND	ND
1,1,1,2-Tetrachloroethane	77562	ND	ND
1,1,2,2-Tetrachloroethane	34516	ND	ND
Tetrachloroethylene (PCE)	34475	ND	ND
Toluene	34010	0.9	3.3
1,2,3-Trichlorobenzene	77613	ND	ND
1,2,4-Trichlorobenzene	34551	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND
Trichloroethylene (TCE)	39180	ND	ND
1,2,3-Trichloropropane	77443	ND	ND
Trichlorofluoromethane (Freon 11)	34488	ND	ND
1,2,4-Trimethylbenzene	77222	ND	ND
1,3,5-Trimethylbenzene	77226	ND	ND
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND
Vinyl chloride (VC)	39175	ND	ND
m,p-Xylenes	A-014	ND	0.8
o-Xylene	77135	ND	1.5

[4] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected limit is reported as 0.5 for all the constituents; except as noted.
[5] ND = Concentration is reported below the detected limit.
[6] Detection Limit is as reported 2.0
[7] Detection Limit is as reported 2.0

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

FIELD RESULTS	HYDROLAB – YSI 6600				IN-HOFF CONE		
TIME	TEMP (°C)	PH	DISSOLVED OXYGEN (mg/l)	SPECIFIC CONDUCTANCE (umhos/cm)	Settleable Solids (ml/l) 10 min	30 min	60 min
07:00	13.0	7.6	4.5	3653			
08:00	13.0	7.6	4.0	3675	<0.1	<0.1	0.1
09:00	13.3	7.6	3.9	3612	0.1	0.1	0.1
10:00	13.4	7.7	3.8	3620	0.1	0.1	0.1
11:00	13.7	7.6	3.6	3605	0.1	0.1	0.1
12:00	13.9	7.6	3.5	3601	<0.1	0.1	0.1
13:00	14.2	7.6	3.2	3567	0.1	0.1	0.1
14:00	14.5	7.7	3.4	3533	0.1	0.1	0.1
15:00	14.7	7.7	3.2	3486	0.1	0.1	0.1
16:00	14.7	7.6	3.0	3486	0.1	0.1	0.2
17:00	14.7	7.6	2.7	3522	0.1	0.1	0.1
18:00	14.7	7.6	2.7	3567	0.1	0.1	0.1
19:00	14.5	7.6	2.6	3618	0.3	0.4	0.5
20:00	14.3	7.6	2.7	3653	0.2	0.4	0.5
21:00	14.3	7.6	2.2	3591	0.2	0.4	0.5
22:00	14.0	7.6	2.9	3593	0.4	0.5	0.7
23:00	13.8	7.6	3.0	3549	0.4	0.5	0.7
24:00	13.7	7.6	3.1	3478	0.5	0.6	0.6
01:00	13.6	7.7	3.7	3441	0.1	0.2	0.2
02:00	13.5	7.6	3.5	3397	<0.1	<0.1	<0.1
03:00	13.3	7.7	3.8	3362	<0.1	<0.1	<0.1
04:00	13.2	7.7	4.7	3339	<0.1	<0.1	<0.1
05:00	13.0	7.7	5.4	3338	<0.1	<0.1	<0.1
06:00	13.0	7.7	4.3	3354	<0.1	<0.1	<0.1
JANUARY AVERAGE	13.8	7.6	3.5	3527	0.2	0.2	0.3
LAST 12 MONTHS AVE.	20.96	7.78	1.55	4,428	0.12	0.17	0.18

FIELD OBSERVATIONS:

0700 – 0900 The Ambient temperature ranged from 8 °C to 11 °C. The sky is clear & sunny. Watercolor is dark green. There is no noticeable septic odor. There is a lot of foam on the River's surface.
1100 – No changes, except no foam. Ambient temperature is 25 °C
1200 – 1400 The Ambient temperature ranged from 27 °C to 21 °C. No other changes, except watercolor is clearer. There is foam on the River's surface.
1500 – 1900 No changes. Ambient temperature ranged from 21 °C to 9 °C. Sun begun to set. Watercolor is dark green. There is foam on the River's surface
2000 – 2200 Ambient temperature is ranged from 9 °C to 10 °C. No other changes
2300 - Ambient temperature is 11 °C. No other changes
2400 - Ambient temperature is 8 °C. No other changes
100 – 600 Ambient temperature ranged from 8 °C to 2 °C. No other changes

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

REG. WATER QUALITY CONTROL BOARD LAB			FECAL COLIFORM RESULTS (MPN/100ML)			
COLLECTION TIME	STORET CODE	ANALYSIS METHOD	JANUARY 2001	12 MONTHS AVE	MAX VALUE	MIN VALUE
11:00	316315	Multiple Tube Fermentation	500,000	205,000	500000	20000
12:00	316315	Multiple Tube Fermentation	300,000	431,667	2400000	20000
13:00	316315	Multiple Tube Fermentation	300,000	275,000	1100000	40000
13:30	316315	Multiple Tube Fermentation	500,000	305,000	500000	110000
14:00	316315	Multiple Tube Fermentation	170,000	301,667	1100000	20000
3:00	316315	Multiple Tube Fermentation	300,000	819,167	500000	300000
4:00	316315	Multiple Tube Fermentation	300,000	391,667	330000	170000
5:00	316315	Multiple Tube Fermentation	220,000	673,333	340000	170000
5:30	316315	Multiple Tube Fermentation	130,000	130,000	130000	130000
6:00	316315	Multiple Tube Fermentation	170,000	935,833	500000	110000

DHS – SOUTHERN CALIFORNIA LABORATORY				CONSTITUENT RESULTS (MG/L)[1]			
	STORET CODE	US EPA METHOD	REPORTING LIMITS	JANUARY 2001	12 MONTHS AVERAGE	MAX VALUE	MIN VALUE
MBAS	38260	425.1	0.025	3.62	1.330	3.620	0.120
Total Phosphate as P	665	365.2	0.01	2.34	1.644	2.350	0.130
Phenol	32730	420.1	0.002	0.009	0.003	0.009	0.005
Cyanide	720	335.2	0.01	ND	0.003	0.020	0.010
Ammonia-Nitrogen (NH_3-N)	610	350.2	0.05	7.3	6.02	7.470	3.520
Nitrate - Nitrogen (NO_3-N)	71850	353.2	0.2	0.5	0.48	3.100	0.130
Nitrite - Nitrogen (NO_2-N)	630	353.2	0.03	0.1	0.03	0.100	0.000
Hardness as ($CaCO_3$)	900	130.2	1	777	788	910	697
Total Alkalinity as ($CaCO_3$)	410	310.1	1	276	273	296	244
Bicarbonate (HCO_3)	00440	310.1	1	336	333	362	298
Total Filter Residue (TDS)	70300	160.1	10	2410	2569	3130	2090
Total Suspended Solids	530	160.2	10	54	46.9	74.00	18.00
Turbidity	82078	180.1	0.1	18.2	18.6	38.90	9.40
BOD	310	405.1	2	30	47.0	130.00	17.40
COD	340	410.4	5	35	44.6	60.00	29.00

DHS – SOUTHERN CALIFORNIA LABORATORY				TRACE METALS RESULTS (UG/L)[1]			
TRACE METALS	STORET CODE	US EPA METHOD	REPORTING LIMITS	JANUARY 2001	12 MONTH AVERAGE	MAX VALUE	MIN VALUE
As-Arsenic	1002	200.9	2	3	2.4	6.00	3.00
Cd-Cadnium	1027	200.9	1	ND	ND	ND	ND
Cr-Chromium	1034	200.9	10	ND	ND	ND	ND
Cu-Copper	1042	200.9	10	13	2.1	13.00	12.00
Pb-Lead	1051	200.9	10	ND	ND	ND	ND
Se-Selenium	1147	200.9	5	ND	ND	ND	ND
Zn-Zinc	1092	289.1	50	115	77.6	221.00	54.00
Hg-Mercury	71900	245.1	1	ND	6.5	77.00	1.30

[1] Composite of eight water samples collected hourly.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

CONSTITUENT[2] (ug/l)	STORET CODE	JANUARY - 01 RESULTS (ug/l)							
		9:00	12:00	15:00	18:00	21:00	24:00	3:00	6:00
Benzene	34030	ND[3]	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	81555	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	A-012	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	32101	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	32104	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Mehyl Bromide)	34413	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	A-010	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	77350	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	77353	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	32102	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene (Monochlorobenzene)	34301	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	34311	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	32106	0.59	0.57	1.6	1.3	1.3	1.0	0.82	0.67
Chloromethane (Methyl Chloride)	34418	ND	ND	ND	ND	ND	ND	ND	ND
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromenhane	32105	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	77596	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND	0.61	ND	1.0	0.51	ND	ND
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-DCB)	34571	1.1	0.76	1.4	1.6	1.7	1.3	1.1	0.84
Dichlorodifluoromethane (Freon 12)	34668	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	77093	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethylene	34546	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	34541	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	77173	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	77170	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropylene	77168	ND	ND	ND	ND	ND	ND	ND	ND

[2] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected limit is reported as 0.5 for all the constituents; except as noted.
[3] ND = Concentration is reported below the detected limit.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

CONSTITUENT[4] (ug/l)	STORET CODE	JANUARY - 01 RESULTS (ug/l)							
		9:00	12:00	15:00	18:00	21:00	24:00	3:00	6:00
cis- & trans-1,3-Dichloropropylene	34561	ND[5]	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene	34371	ND	ND	ND	0.55	0.62	ND	ND	ND
Ethylene dibromide (EDB)	77651	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	34391	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumeme)	77223	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (p-Cymene)	A-011	1.0	0.62	1.1	1.2	1.8	1.0	0.71	0.61
Methylene chloride (Dichloromethane)	34423	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone[6]	81595	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Isobutyl Ketone[7]	81596	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND	ND	ND	ND	ND	ND	ND
Napthalene	34696	ND	ND	0.54	0.75	0.71	ND	ND	ND
n-Propylbenzene	77224	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	77128	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	77562	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	34516	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	34475	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	34010	1.5	1.1	3.2	3.2	8.9	2.6	2.2	1.4
1,2,3-Trichlorobenzene	77613	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	34551	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	39180	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	77443	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)	34488	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	77222	0.55	ND	1.5	1.9	1.9	0.94	0.72	ND
1,3,5-Trimethylbenzene	77226	ND	ND	ND	0.52	0.53	ND	ND	ND
1,1,2-Trichlorotrifluoroethane (Freon 13)	81611	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)	39175	ND	ND	ND	2.3	ND	ND	ND	ND
m,p-Xylenes	A-014	1.4	0.87	1.8	1.1	2.5	1.5	1.4	0.86
o-Xylene	77135	0.65	ND	0.89	ND	1.2	0.71	0.64	ND

[4] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected limit is reported as 0.5 for all the constituents; except as noted.
[5] ND = Concentration is reported below the detected limit.
[6] Detection Limit is as reported 2.0
[7] Detection Limit is as reported 2.0

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

FIELD RESULTS	HYDROLAB – YSI 6600				IN-HOFF CONE		
TIME	TEMP (°C)	PH	DISSOLVED OXYGEN (mg/l)	SPECIFIC CONDUCTANCE (umhos/cm)	Settleable Solids (ml/l) 10 min	30 min	60 min
07:00	15.7	7.3	2.9	3945			
08:00	15.7	7.4	3.0	3933	0.3	0.5	0.5
09:00	15.8	7.5	3.5	3858	0.3	0.3	0.5
10:00	16.1	7.5	3.8	3694	0.3	0.3	0.5
11:00	16.2	7.5	3.1	3710	0.4	0.4	0.7
12:00	16.3	7.5	4.0	3724	0.3	0.5	0.7
13:00	16.5	7.5	3.7	3739	0.3	0.3	0.5
14:00	16.5	7.5	3.3	3735	0.2	0.3	0.3
FEBRUARY AVERAGE	16.1	7.5	3.4	3792	0.3	0.4	0.5
LAST 12 MONTHS AVE.	20.83	7.77	1.70	4,066	0.15	0.20	0.21

FIELD OBSERVATIONS:

0700 - Ambient temperature is 11 °C. The sky is cloudy and it's raining. There is a slight breeze (<5 mph N). Watercolor is olive green. There is a mild septic odor. There is very little foam on the River's surface.
0800 – No changes.
0900 – Same as above, ambient temperature is12 °C. No foam
1000 - Ambient temperature is 14 °C.
1100 - Ambient temperature is 18 °C. Watercolor is blackish. No other changes were observed
1200 - Ambient temperature is 16 °C.
1300 - Ambient temperature is 21 °C. Stop raining.
1400 - Ambient temperature is 18 °C. The sky is cloudy.

REG. WATER QUALITY CONTROL BOARD LAB.			**FECAL COLIFORM RESULTS (MPN/100ml)**			
COLLECTION TIME	STORET CODE	ANALYSIS METHOD	FEBRUARY 2001	12 MONTHS AVE	MAX VALUE	MIN VALUE
11:00	316315	Multiple Tube Fermentation	500,000	240,000	500000	20000
12:00	316315	Multiple Tube Fermentation	300,000	439,167	2400000	20000
13:00	316315	Multiple Tube Fermentation	80,000	263,333	1100000	40000
13:30	316315	Multiple Tube Fermentation	170,000	260,000	500000	110000
14:00	316315	Multiple Tube Fermentation	110,000	296,667	1100000	20000

DATE SAMPLED FEBRUARY 19, 2000

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

DHS – SOUTHERN CALIFORNIA LABORATORY				**CONSTITUENT RESULTS (mg/l)[1]**			
	STORET CODE	US EPA METHOD	DETECTION LEVEL	FEBRUARY 2001	12 MONTHS AVERAGE	MAX VALUE	MIN VALUE
MBAS	38260	425.1	0.025	0.25	1.307	3.620	0.120
Total Phosphate as P	665	365.2	0.01	1.48	1.661	2.350	0.130
Phenol	32730	420.1	0.002	0.005	0.003	0.009	0.005
Cyanide	720	335.2	0.01	ND	0.003	0.020	0.010
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	5.53	5.90	7.470	3.520
Nitrate - Nitrogen (NO_3-N)	71850	353.2	0.2	1.7	0.58	3.100	0.130
Nitrite - Nitrogen (NO_2-N)	630	353.2	0.03	0.16	0.03	0.160	0.000
Hardness as ($CaCO_3$)	900	130.2	1	905	792	910	697
Total Alkalinity as ($CaCO_3$)	410	310.1	1	286	276	296	251
Bicarbonate (HCO_3)	00440	310.1	1	349	337	362	306
Total Filter Residue (TDS)	70300	160.1	10	2670	2565	3130	2090
Total Suspended Solids	530	160.2	10	50.5	48.2	74.00	18.00
Turbidity	82078	180.1	0.1	9.8	18.6	38.90	9.40
BOD	310	405.1	2	18	46.0	130.00	17.40
COD	340	410.4	5	48.1	46.2	60.00	31.50

DHS – SOUTHERN CALIFORNIA LABORATORY				**TRACE METALS RESULTS (ug/l)[1]**			
TRACE METALS	STORET CODE	US EPA METHOD	DETECTION LEVEL	FEBRUARY 2001	12 MONTH AVERAGE	MAX VALUE	MIN VALUE
As-Arsenic	1002	200.9	2	3	2.7	6.00	3.00
Cd-Cadnium	1027	200.9	1	ND	ND	ND	ND
Cr-Chromium	1034	200.9	10	14	1.2	14.00	14.00
Cu-Copper	1042	200.9	10	66	6.6	66.00	13.00
Pb-Lead	1051	200.9	10	ND	ND	ND	ND
Se-Selenium	1147	200.9	5	ND	ND	ND	ND
Zn-Zinc	1092	289.1	50	92	75.3	221.00	54.00
Hg-Mercury	71900	245.1	1	ND	6.5	77.00	1.30

[1] Composite of eight water samples collected hourly.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

DHS – SOUTHERN CALIFORNIA LABORATORY		FEBRUARY - 01 RESULTS (ug/l)	
CONSTITUENT[2]	STORET CODE	9:00 AM	12:00 PM
Benzene	34030	ND[3]	ND
Bromobenzene	81555	ND	ND
Bromochloromethane	A-012	ND	ND
Bromodichloromethane	32101	ND	ND
Bromoform	32104	ND	ND
Bromomethane (Mehyl Bromide)	34413	ND	ND
n-Butylbenzene	A-010	ND	ND
sec-Butylbenzene	77350	ND	ND
tert-Butylbenzene	77353	ND	ND
Carbon Tetrachloride	32102	ND	ND
Chlorobenzene (Monochlorobenzene)	34301	ND	ND
Chloroethane	34311	ND	ND
Chloroform	32106	0.5	0.6
Chloromethane (Methyl Chloride)	34418	ND	ND
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND
Dibromochloromenhane	32105	ND	ND
Dibromomethane	77596	ND	ND
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND
1,4-Dichlorobenzene (p-DCB)	34571	0.76	0.84
Dichlorodifluoromethane (Freon 12)	34668	ND	ND
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND
cis-1,2-Dichloroethylene	77093	ND	ND
trans-1,2-Dichloroethylene	34546	ND	ND
1,2-Dichloropropane	34541	ND	ND
1,3-Dichloropropane	77173	ND	ND
1,2-Dichloropropane	77170	ND	ND

[2] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected level is reported as 0.5 for all the constituents; except as noted.
[3] ND = Concentration is reported below the detected level.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

DHS – SOUTHERN CALIFORNIA LABORATORY	FEBRUARY - 01 RESULTS (ug/l)		
CONSTITUENT[4]	STORET CODE	9:00 AM	12:00 PM
1,1-Dichloropropylene	77168	ND[5]	ND
cis- & trans-1,3-Dichloropropylene	34561	ND	ND
Ethyl benzene	34371	ND	ND
Ethylene dibromide (EDB)	77651	ND	ND
Hexachlorobutadiene	34391	ND	ND
Isopropylbenzene (Cumeme 77356)	77223	ND	ND
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND
Methylene chloride (Dichloromethane)	34423	ND	ND
Methyl Ethyl Ketone[6]	81595	ND	ND
Methyl Isobutyl Ketone[7]	81596	ND	ND
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND
Napthalene	34696	0.94	ND
n-Propylbenzene	77224	ND	ND
Styrene	77128	ND	ND
1,1,1,2-Tetrachloroethane	77562	ND	ND
1,1,2,2-Tetrachloroethane	34516	ND	ND
Tetrachloroethylene (PCE)	34475	ND	ND
Toluene	34010	1.1	1.1
1,2,3-Trichlorobenzene	77613	ND	ND
1,2,4-Trichlorobenzene	34551	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND
Trichloroethylene (TCE)	39180	ND	ND
1,2,3-Trichloropropane	77443	ND	ND
Trichlorofluoromethane (Freon 11)	34488	ND	ND
1,2,4-Trimethylbenzene	77222	1.2	0.61
1,3,5-Trimethylbenzene	77226	ND	ND
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND
Vinyl chloride (VC)	39175	ND	ND
m,p-Xylenes	A-014	0.83	0.85
o-Xylene	77135	0.50	ND

[4] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected level is reported as 0.5 for all the constituents; except as noted.
[5] ND = Concentration is reported below the detected level.
[6] Detection Level is as reported 2.0
[7] Detection Level is as reported 2.0

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

FIELD RESULTS	HYDROLAB – YSI 6600				IN-HOFF CONE		
TIME	TEMP (°C)	PH	DISSOLVED OXYGEN (mg/l)	SPECIFIC CONDUCTANCE (umhos/cm)	Settleable Solids (ml/l) 10 min	30 min	60 min
07:00	22.2	7.1	0.6	4754	0.5	0.6	0.6
08:00	22.0	7.2	0.7	4774	0.5	0.6	0.6
09:00	22.0	7.2	0.8	4788	0.4	0.4	0.4
10:00	22.1	7.2	0.9	4793	0.4	0.4	0.4
11:00	22.2	7.2	1.1	4764	0.3	0.3	0.3
12:00	22.5	7.2	1.4	4735	0.3	0.3	0.3
13:00	22.7	7.2	0.9	4704	0.2	0.2	0.2
14:00	23.0	7.2	1.1	4722			
MARCH AVERAGE	22.3	7.2	0.9	4754	0.4	0.4	0.4
LAST 12 MONTHS AVE.	21.21	7.72	1.66	4,021	0.16	0.22	0.23

FIELD OBSERVATIONS:

0600 - Ambient temperature is 20 °C. The sky is blue and clear. There is no breeze. Watercolor is greenish. There is a mild septic odor. There is very little foam on the River's surface.
0700 – Ambient temperature is19 °C. No other changes observed.
0800 – Same as above, ambient temperature is22.5 °C.
0900 - Ambient temperature is 22.5 °C. No foam. There is a slight breeze (<5 mph N).
1000 - Ambient temperature is 33 °C. Watercolor is brownish-green. No other changes were observed
1100 - Ambient temperature is 39.5 °C. Watercolor is greenish
1200 - Ambient temperature is 43 °C. Watercolor is greenish
1300 - Ambient temperature is 39 °C.

REG. WATER QUALITY CONTROL BOARD LAB.			**FECAL COLIFORM RESULTS (MPN/100ml)**			
COLLECTION TIME	STORET CODE	ANALYSIS METHOD	MARCH 2001	12 MONTHS AVE	MAX VALUE	MIN VALUE
11:00	316315	Multiple Tube Fermentation	160,000	250,000	500000	20000
12:00	316315	Multiple Tube Fermentation	160,000	449,167	2400000	20000
13:00	316315	Multiple Tube Fermentation	160,000	265,833	1100000	40000
13:30	316315	Multiple Tube Fermentation	160,000	235,000	500000	110000
14:00	316315	Multiple Tube Fermentation	160,000	306,667	1100000	20000

DATE SAMPLED FEBRUARY 19, 2000

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

DHS – SOUTHERN CALIFORNIA LABORATORY				CONSTITUENT RESULTS (mg/l)[1]			
	STORET CODE	US EPA METHOD	DETECTION LEVEL	MARCH 2001	12 MONTHS AVERAGE	MAX VALUE	MIN VALUE
MBAS	38260	425.1	0.025	0.32	1.324	3.620	0.250
Total Phosphate as P	665	365.2	0.01	2.66	1.808	2.660	0.130
Phenol	32730	420.1	0.002	ND	0.003	0.009	0.005
Cyanide	720	335.2	0.01	ND	0.003	0.020	0.010
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	6.39	5.92	7.470	3.520
Nitrate - Nitrogen (NO_3-N)	71850	353.2	0.2	1.59	0.67	3.100	0.130
Nitrite - Nitrogen (NO_2-N)	630	353.2	0.03	0.09	0.04	0.160	0.090
Hardness as ($CaCO_3$)	900	130.2	1	907	792	910	697
Total Alkalinity as ($CaCO_3$)	410	310.1	1	323	279	323	251
Bicarbonate (HCO_3)	00440	310.1	1	394	340	394	306
Total Filter Residue (TDS)	70300	160.1	10	2910	2547	2930	2090
Total Suspended Solids	530	160.2	10	52.6	51.1	74.00	35.00
Turbidity	82078	180.1	0.1	14	18.9	38.90	9.40
BOD	310	405.1	2	14	44.2	130.00	14.00
COD	340	410.4	5	36	45.6	60.00	31.50

DHS – SOUTHERN CALIFORNIA LABORATORY				TRACE METALS RESULTS (ug/l)[1]			
TRACE METALS	STORET CODE	US EPA METHOD	DETECTION LEVEL	MARCH 2001	12 MONTH AVERAGE	MAX VALUE	MIN VALUE
As-Arsenic	1002	200.9	2	12	3.7	12.00	3.00
Cd-Cadnium	1027	200.9	1	ND	ND	ND	ND
Cr-Chromium	1034	200.9	10	ND	1.2	14.00	14.00
Cu-Copper	1042	200.9	10	30	9.1	66.00	13.00
Pb-Lead	1051	200.9	10	ND	ND	ND	ND
Se-Selenium	1147	200.9	5	ND	ND	ND	ND
Zn-Zinc	1092	289.1	50	61	80.3	221.00	54.00
Hg-Mercury	71900	245.1	1	ND	6.5	77.00	1.30

[1] Composite of eight water samples collected hourly.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

DHS – SOUTHERN CALIFORNIA LABORATORY		MARCH - 01 RESULTS (ug/l)	
CONSTITUENT[2]	STORET CODE	9:00 AM	12:00 PM
Benzene	34030	ND[3]	ND
Bromobenzene	81555	ND	ND
Bromochloromethane	A-012	ND	ND
Bromodichloromethane	32101	ND	ND
Bromoform	32104	ND	ND
Bromomethane (Mehyl Bromide)	34413	ND	ND
n-Butylbenzene	A-010	ND	ND
sec-Butylbenzene	77350	ND	ND
tert-Butylbenzene	77353	ND	ND
Carbon Tetrachloride	32102	ND	ND
Chlorobenzene (Monochlorobenzene)	34301	ND	ND
Chloroethane	34311	ND	ND
Chloroform	32106	0.54	0.73
Chloromethane (Methyl Chloride)	34418	ND	ND
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND
Dibromochloromenhane	32105	ND	ND
Dibromomethane	77596	ND	ND
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND
1,4-Dichlorobenzene (p-DCB)	34571	0.74	0.93
Dichlorodifluoromethane (Freon 12)	34668	ND	ND
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND
cis-1,2-Dichloroethylene	77093	ND	ND
trans-1,2-Dichloroethylene	34546	ND	ND
1,2-Dichloropropane	34541	ND	ND
1,3-Dichloropropane	77173	ND	ND
1,2-Dichloropropane	77170	ND	ND

[2] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected level is reported as 0.5 for all the constituents; except as noted.
[3] ND = Concentration is reported below the detected level.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

DHS – SOUTHERN CALIFORNIA LABORATORY	MARCH - 01 RESULTS (ug/l)		
CONSTITUENT[4]	STORET CODE	9:00 AM	12:00 PM
1,1-Dichloropropylene	77168	ND[5]	ND
cis- & trans-1,3-Dichloropropylene	34561	ND	ND
Ethyl benzene	34371	ND	ND
Ethylene dibromide (EDB)	77651	ND	ND
Hexachlorobutadiene	34391	ND	ND
Isopropylbenzene (Cumeme 77356)	77223	ND	ND
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND
Methylene chloride (Dichloromethane)	34423	ND	ND
Methyl Ethyl Ketone[6]	81595	ND	ND
Methyl Isobutyl Ketone[7]	81596	ND	ND
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND
Napthalene	34696	ND	ND
n-Propylbenzene	77224	ND	ND
Styrene	77128	ND	ND
1,1,1,2-Tetrachloroethane	77562	ND	ND
1,1,2,2-Tetrachloroethane	34516	ND	ND
Tetrachloroethylene (PCE)	34475	ND	ND
Toluene	34010	1.4	3.0
1,2,3-Trichlorobenzene	77613	ND	ND
1,2,4-Trichlorobenzene	34551	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND
Trichloroethylene (TCE)	39180	ND	ND
1,2,3-Trichloropropane	77443	ND	ND
Trichlorofluoromethane (Freon 11)	34488	ND	ND
1,2,4-Trimethylbenzene	77222	ND	ND
1,3,5-Trimethylbenzene	77226	ND	ND
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND
Vinyl chloride (VC)	39175	ND	ND
m,p-Xylenes	A-014	0.85	1.0
o-Xylene	77135	0.50	0.59

[4] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected level is reported as 0.5 for all the constituents; except as noted.
[5] ND = Concentration is reported below the detected level.
[6] Detection Level is as reported 2.0
[7] Detection Level is as reported 2.0

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

FIELD RESULTS	HYDROLAB – YSI 6600				IN-HOFF CONE		
TIME	TEMP (°C)	PH	DISSOLVED OXYGEN (mg/l)	SPECIFIC CONDUCTANCE (umhos/cm)	Settleable Solids (ml/l)		
					10 min	30 min	60 min
07:00							
08:00							
09:00	21.6	7.7	1.5	3710	1.0	1.0	1.0
10:00	21.7	7.7	1.1	3697	1.0	1.7	1.8
11:00	21.9	7.7	1.3	3739	1.2	1.2	1.4
12:00	22.1	7.8	2.6	3728	0.7	0.8	0.9
13:00	22.5	7.8	2.4	3744	0.7	0.9	1.0
14:00	22.9	7.8	1.8	3594	0.8	0.9	0.9
15:00	23.2	7.7	1.7	3719	0.7	1.0	1.0
16:00	23.4	7.8	1.6	3808	0.7	0.8	0.8
17:00	23.5	7.8	1.1	3820	0.3	0.8	1.0
18:00	23.4	7.8	1.2	3827	0.4	0.7	0.8
19:00	23.1	7.8	1.0	3805	1.0	1.4	1.6
20:00	23.0	7.8	0.6	3821	0.6	1.1	1.6
21:00	23.0	7.6	0.4	3748	4.0	4.6	4.6
22:00	22.7	7.8	0.6	3810	2.5	3.0	4.0
23:00	22.7	7.8	0.8	3833	1.2	1.2	1.2
24:00	22.7	7.8	1.4	3851	0.5	0.7	0.7
01:00	22.8	7.8	1.0	3841	0.5	0.7	0.7
02:00	23.0	7.8	0.9	3852	0.5	0.6	0.7
03:00	23.0	7.8	1.1	3856	0.6	0.7	0.7
04:00	23.0	7.8	1.2	3858	0.5	0.5	0.6
05:00	23.0	7.8	1.2	3877	0.5	0.5	0.5
06:00	23.0	7.8	1.2	3884			
APRIL AVERAGE	22.8	7.8	1.3	3792	0.9	1.2	1.3
LAST 12 MONTHS AVE.	21.40	7.71	1.61	3,924	0.24	0.31	0.33

FIELD OBSERVATIONS:

0700 – 1000 The Ambient temperature ranged from 27 °C to 29.8 °C. The sky is clear & sunny. Watercolor is olive green. There is a mild septic odor. No foam. Light breeze (2mph N)
1100 – No changes. Ambient temperature is 32.9 °C
1200 – 1400 The Ambient temperature ranged from 37.9 °C to 40.5 °C. No other changes, except lot of trash and particulate matter was observed during this time on the river.
1500 – 1900 No changes. Ambient temperature ranged from 40 °C to 30.9 °C. Watercolor is blackish.
2000 – 2200 Ambient temperature is ranged from 24.1 °C to 20.1 °C. Little of foam. No other changes
2300 - Ambient temperature is 19.7 °C. No other changes
2400 - Ambient temperature is 19.2 °C. No foam. No other changes
0100 – 600 Ambient temperature ranged from 17 °C to 14 °C. Little of foam and occasional trash. No other changes

DATE SAMPLED APRIL 21 & 22, 2000

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

REG. WATER QUALITY CONTROL BOARD LAB			FECAL COLIFORM RESULTS (MPN/100ML)			
COLLECTION TIME	STORET CODE	ANALYSIS METHOD	APRIL 2001	12 MONTHS AVE	MAX VALUE	MIN VALUE
11:00	316315	Multiple Tube Fermentation	110,000	257,500	500000	40000
12:00	316315	Multiple Tube Fermentation	140,000	459,167	2400000	40000
13:00	316315	Multiple Tube Fermentation	170,000	269,167	1100000	40000
13:30	316315	Multiple Tube Fermentation	210,000	95,833	500000	110000
14:00	316315	Multiple Tube Fermentation	220,000	323,333	1100000	110000
3:00	316315	Multiple Tube Fermentation	300,000	133,333	500000	300000
4:00	316315	Multiple Tube Fermentation	230,000	85,833	330000	170000
5:00	316315	Multiple Tube Fermentation	500,000	106,667	340000	220000
5:30	316315	Multiple Tube Fermentation	800,000	77,500	130000	130000
6:00	316315	Multiple Tube Fermentation	1,100,000	172,500	500000	170000

DHS – SOUTHERN CALIFORNIA LABORATORY				CONSTITUENT RESULTS (MG/L)[1]			
	STORET CODE	US EPA METHOD	REPORTING LIMITS	APRIL 2001	12 MONTHS AVERAGE	MAX VALUE	MIN VALUE
MBAS	38260	425.1	0.025	1.68	1.440	3.620	0.250
Total Phosphate as P	665	365.2	0.01	1.54	1.771	2.660	0.130
Phenol	32730	420.1	0.002	NA[2]	0.003	0.009	0.005
Cyanide	720	335.2	0.01	NA	0.003	0.020	0.010
Ammonia-Nitrogen (NH_3-	610	350.2	0.05	2.92	6.13	7.470	3.520
Nitrate - Nitrogen (NO_3-N)	71850	353.2	0.2	0.1	0.42	1.700	0.130
Nitrite - Nitrogen (NO_2-N)	630	353.2	0.03	0.06	0.03	0.160	0.090
Hardness as ($CaCO_3$)	900	130.2	1	NA	782	907	697
Total Alkalinity as ($CaCO_3$)	410	310.1	1	NA	278	323	251
Bicarbonate (HCO_3)	00440	310.1	1	NA	340	394	306
Total Filter Residue (TDS)	70300	160.1	10	NA	2512	2910	2090
Total Suspended Solids	530	160.2	10	NA	52	74.00	35.00
Turbidity	82078	180.1	0.1	NA	20	38.90	9.40
BOD	310	405.1	2	26	39	130.00	14.00
COD	340	410.4	5	57	47.5	60.00	31.50

DHS – SOUTHERN CALIFORNIA LABORATORY				TRACE METALS RESULTS (UG/L)[1]			
TRACE METALS	STORET CODE	US EPA METHOD	REPORTING LIMITS	APRIL 2001	12 MONTH AVERAGE	MAX VALUE	MIN VALUE
As-Arsenic	1002	200.9	2	5	5.2	13.00	3.00
Cd-Cadmium	1027	200.9	1	ND	ND	ND	ND
Cr-Chromium	1034	200.9	10	ND	1.2	14.00	14.00
Cu-Copper	1042	200.9	10	173	24.8	66.00	13.00
Pb-Lead	1051	200.9	10	24	ND	ND	ND
Se-Selenium	1147	200.9	5	ND	ND	ND	ND
Zn-Zinc	1092	289.1	50	380	113.6	221.00	54.00
Hg-Mercury	71900	245.1	1	ND	6.5	77.00	1.30

[1] Composite of eight water samples collected hourly.
[2] Not analyzed

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

CONSTITUENT[3] (ug/l)	STORET CODE	APRIL - 01 RESULTS (ug/l)							
		9:00	12:00	15:00	18:00	21:00	24:00	3:00	6:00
Benzene	34030	ND[4]	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	81555	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	A-012	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	32101	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	32104	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl Bromide)	34413	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	A-010	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butylbenzene	77350	ND	ND	ND	ND	ND	ND	ND	ND
tert-Butylbenzene	77353	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	32102	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene (Monochlorobenzene)	34301	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	34311	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	32106	0.55	0.58	1.0	0.97	1.3	1.1	0.81	0.68
Chloromethane (Methyl Chloride)	34418	ND	ND	ND	ND	ND	ND	ND	ND
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND	ND	ND	ND	ND	ND	ND
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromenhane	32105	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	77596	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene (p-DCB)	34571	0.74	0.62	1.3	1.1	1.7	0.94	0.95	0.83
Dichlorodifluoromethane (Freon 12)	34668	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	77093	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethylene	34546	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	34541	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	77173	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	77170	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloropropylene	77168	ND	ND	ND	ND	ND	ND	ND	ND

[3] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected limit is reported as 0.5 for all the constituents; except as noted.
[4] ND = Concentration is reported below the detected limit.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

CONSTITUENT[5] (ug/l)	STORET CODE	APRIL - 01 RESULTS (ug/l)							
		9:00	12:00	15:00	18:00	21:00	24:00	3:00	6:00
cis- & trans-1,3-Dichloropropylene	34561	ND[6]	ND	ND	ND	ND	ND	ND	ND
Ethyl benzene	34371	ND	ND	ND	ND	ND	ND	ND	ND
Ethylene dibromide (EDB)	77651	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	34391	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumeme)	77223	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND	1.0	0.69	1.9	0.51	0.53	ND
Methylene chloride (Dichloromethane)	34423	ND	ND	ND	ND	0.51	ND	ND	ND
Methyl Ethyl Ketone[7]	81595	ND	ND	ND	ND	2.4	ND	ND	ND
Methyl Isobutyl Ketone[8]	81596	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND	ND	ND	ND	ND	ND	ND
Napthalene	34696	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	77224	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	77128	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	77562	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	34516	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene (PCE)	34475	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	34010	0.53	2.4	7.8	4.9	25	3.1	2.5	2.1
1,2,3-Trichlorobenzene	77613	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	34551	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	39180	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	77443	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane (Freon 11)	34488	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	77222	ND	ND	0.61	0.68	1.2	ND	ND	ND
1,3,5-Trimethylbenzene	77226	ND	ND	ND	ND	0.53	ND	ND	ND
1,1,2-Trichlorotrifluoroethane (Freon 13)	81611	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride (VC)	39175	ND	ND	ND	2.3	ND	ND	ND	ND
m,p-Xylenes	A-014	ND	ND	0.74	0.84	1.6	ND	ND	ND
o-Xylene	77135	ND	ND	ND	0.51	0.89	ND	ND	ND

[5] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected limit is reported as 0.5 for all the constituents; except as noted.
[6] ND = Concentration is reported below the detected limit.
[7] Detection Limit is as reported 2.0
[8] Detection Limit is as reported 2.0

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

FIELD RESULTS	HYDROLAB – YSI 6600				IN-HOFF CONE		
TIME	TEMP (°C)	PH	DISSOLVED OXYGEN (mg/l)	SPECIFIC CONDUCTANCE (umhos/cm)	Settleable Solids (ml/l) 10 min	30 min	60 min
07:00	27.9	7.8	0.8	4397	0.1	0.2	0.2
08:00	27.8	7.8	0.5	4368	0.1	0.1	0.2
09:00	27.8	7.8	0.6	4404	<.1	0.1	0.1
10:00	27.9	7.8	0.5	4365	0.2	0.2	0.3
11:00	28.1	7.8	1.0	4440	0.1	0.3	0.3
12:00	28.3	7.8	1.1	4498	0.3	0.4	0.4
13:00	28.7	7.7	1.1	4549	0.4	0.5	0.5
14:00	29.0	7.7	1.0	4559			
MAY AVERAGE	28.2	7.8	0.8	4448	0.2	0.2	0.3
LAST 12 MONTHS AVE.	22.26	7.71	1.61	3,852	0.24	0.31	0.34

FIELD OBSERVATIONS:

0700 - Ambient temperature is 28 °C. The sky is blue and clear. There is no breeze. Watercolor is olive green. There is a mild septic odor. There is very little foam on the River's surface.
0800 – Ambient temperature is28.4 °C. No foam, no other changes observed.
0900 – Same as above, ambient temperature is 31.1 °C.
1000 - Ambient temperature is 37.1 °C. No other changes were observed
1100 - Ambient temperature is 38.7 °C. There is a slight breeze. No other changes were observed
1200 - Ambient temperature is 41.2 °C. No other changes were observed
1300 - Ambient temperature is 42.9 °C. No other changes were observed
1400 - Ambient temperature is 44.1 °C. No other changes were observed

REG. WATER QUALITY CONTROL BOARD LAB.			**FECAL COLIFORM RESULTS (MPN/100ml)**			
COLLECTION TIME	STORET CODE	ANALYSIS METHOD	MAY 2001	12 MONTHS AVE	MAX VALUE	MIN VALUE
11:00	316315	Multiple Tube Fermentation	110,000	263,333	500000	40000
12:00	316315	Multiple Tube Fermentation	40,000	450,833	2400000	40000
13:00	316315	Multiple Tube Fermentation	1,100,000	354,167	1100000	40000
13:30	316315	Multiple Tube Fermentation	130,000	106,667	500000	110000
14:00	316315	Multiple Tube Fermentation	500,000	350,833	1100000	110000

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

DHS – SOUTHERN CALIFORNIA LABORATORY				CONSTITUENT RESULTS (mg/l)[1]			
	STORET CODE	US EPA METHOD	DETECTION LEVEL	MAY 2001	12 MONTHS AVERAGE	MAX VALUE	MIN VALUE
MBAS	38260	425.1	0.025	0.374	1.401	3.620	0.250
Total Phosphate as P	665	365.2	0.01	2.09	1.788	2.660	0.130
Phenol	32730	420.1	0.002	ND	0.003	0.009	0.005
Cyanide	720	335.2	0.01	ND	0.003	0.020	0.010
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	7.52	5.79	7.520	2.920
Nitrate - Nitrogen (NO_3-N)	71850	353.2	0.2	ND	0.42	1.700	0.100
Nitrite - Nitrogen (NO_2-N)	630	353.2	0.03	ND	0.03	0.160	0.060
Hardness as ($CaCO_3$)	900	130.2	1	892	720	907	697
Total Alkalinity as ($CaCO_3$)	410	310.1	1	318	257	323	251
Bicarbonate (HCO_3)	00440	310.1	1	388	313	394	306
Total Filter Residue (TDS)	70300	160.1	10	2990	2313	2990	2090
Total Suspended Solids	530	160.2	10	67.6	49.7	74.00	35.00
Turbidity	82078	180.1	0.1	30	19.5	38.90	9.40
BOD	310	405.1	2	12	35.2	130.00	12.00
COD	340	410.4	5	60	48.6	60.00	31.50

DHS – SOUTHERN CALIFORNIA LABORATORY				TRACE METALS RESULTS (ug/l)[1]			
TRACE METALS	STORET CODE	US EPA METHOD	DETECTION LEVEL	MAY 2001	12 MONTH AVERAGE	MAX VALUE	MIN VALUE
As-Arsenic	1002	200.9	2	5	5.6	13.00	3.00
Cd-Cadmium	1027	200.9	1	ND	0.0	0.00	0.00
Cr-Chromium	1034	200.9	10	ND	1.2	14.00	14.00
Cu-Copper	1042	200.9	10	ND	24.8	173.00	13.00
Pb-Lead	1051	200.9	10	ND	2.0	24.00	24.00
Se-Selenium	1147	200.9	5	ND	0.0	0.00	0.00
Zn-Zinc	1092	289.1	50	74	119.8	380.00	54.00
Hg-Mercury	71900	245.1	1	0.42	6.6	77.00	0.42

[1] Composite of eight water samples collected hourly.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

DHS – SOUTHERN CALIFORNIA LABORATORY		MAY - 01 RESULTS (ug/l)	
CONSTITUENT[2]	STORET CODE	9:00 AM	12:00 PM
Benzene	34030	ND[3]	ND
Bromobenzene	81555	ND	ND
Bromochloromethane	A-012	ND	ND
Bromodichloromethane	32101	ND	ND
Bromoform	32104	ND	ND
Bromomethane (Mehyl Bromide)	34413	ND	ND
n-Butylbenzene	A-010	ND	ND
sec-Butylbenzene	77350	ND	ND
tert-Butylbenzene	77353	ND	ND
Carbon Tetrachloride	32102	ND	ND
Chlorobenzene (Monochlorobenzene)	34301	ND	ND
Chloroethane	34311	ND	ND
Chloroform	32106	0.67	ND
Chloromethane (Methyl Chloride)	34418	ND	ND
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND
Dibromochloromenhane	32105	ND	ND
Dibromomethane	77596	ND	ND
1,2-Dichlorobenzene (o-DCB)	34536	ND	ND
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND
1,4-Dichlorobenzene (p-DCB)	34571	0.89	0.66
Dichlorodifluoromethane (Freon 12)	34668	ND	ND
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND
cis-1,2-Dichloroethylene	77093	ND	ND
trans-1,2-Dichloroethylene	34546	ND	ND
1,2-Dichloropropane	34541	ND	ND
1,3-Dichloropropane	77173	ND	ND
1,2-Dichloropropane	77170	ND	ND

[2] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected level is reported as 0.5 for all the constituents; except as noted.
[3] ND = Concentration is reported below the detected level.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

DHS – SOUTHERN CALIFORNIA LABORATORY	MAY - 01 RESULTS (ug/l)		
CONSTITUENT[4]	STORET CODE	9:00 AM	12:00 PM
1,1-Dichloropropylene	77168	ND[5]	ND
cis- & trans-1,3-Dichloropropylene	34561	ND	ND
Ethyl benzene	34371	ND	ND
Ethylene dibromide (EDB)	77651	ND	ND
Hexachlorobutadiene	34391	ND	ND
Isopropylbenzene (Cumeme 77356)	77223	ND	ND
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND
Methylene chloride (Dichloromethane)	34423	ND	ND
Methyl Ethyl Ketone[6]	81595	ND	ND
Methyl Isobutyl Ketone[7]	81596	ND	ND
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND
Napthalene	34696	ND	ND
n-Propylbenzene	77224	ND	ND
Styrene	77128	ND	ND
1,1,1,2-Tetrachloroethane	77562	ND	ND
1,1,2,2-Tetrachloroethane	34516	ND	ND
Tetrachloroethylene (PCE)	34475	ND	ND
Toluene	34010	0.82	ND
1,2,3-Trichlorobenzene	77613	ND	ND
1,2,4-Trichlorobenzene	34551	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND
Trichloroethylene (TCE)	39180	ND	ND
1,2,3-Trichloropropane	77443	ND	ND
Trichlorofluoromethane (Freon 11)	34488	ND	ND
1,2,4-Trimethylbenzene	77222	ND	ND
1,3,5-Trimethylbenzene	77226	ND	ND
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND
Vinyl chloride (VC)	39175	ND	ND
m,p-Xylenes	A-014	ND	ND
o-Xylene	77135	ND	ND

[4] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected level is reported as 0.5 for all the constituents; except as noted.
[5] ND = Concentration is reported below the detected level.
[6] Detection Level is as reported 2.0
[7] Detection Level is as reported 2.0

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

FIELD RESULTS	HYDROLAB – YSI 6600				IN-HOFF CONE		
TIME	TEMP (°C)	PH	DISSOLVED OXYGEN (mg/l)	SPECIFIC CONDUCTANCE (umhos/cm)	Settleable Solids (ml/l) 10 min	30 min	60 min
07:00	31.4	7.7	2.1	5134	<.1	<.1	<.1
08:00	31.3	7.8	4.1	5166	<.1	0.1	0.1
09:00	31.3	7.7	3.0	5234	0.1	0.1	0.1
10:00	31.4	7.7	2.2	4840	0.1	0.1	0.1
11:00	31.4	7.7	2.6	5083	0.1	0.1	0.1
12:00	31.5	7.7		5152	0.1	0.1	0.1
13:00	31.8	7.7		5327	0.1	0.1	0.1
14:00	31.9	7.7		5333			
JUNE AVERAGE	31.5	7.7	2.8	5159	0.1	0.1	0.1
LAST 12 MONTHS AVE.	22.38	7.70	1.80	3,925	0.24	0.31	0.34

FIELD OBSERVATIONS:

0700 - Ambient temperature is 32 °C. The sky is cloudy. There is no breeze. Watercolor is olive green. Odor is barely noticeable. No foam.
0800 – Ambient temperature is 35 °C. Little foam. The sky is blue and clear, no other changes observed.
0900 – Same as above. There is a slight breeze ambient temperature is 37.5 °C.
1000 - Ambient temperature is 40.5 °C. There is a slight breeze. No other changes were observed
1100 - Ambient temperature is 45 °C. No breeze. No other changes were observed
1200 - Ambient temperature is 45 °C. No other changes were observed
1300 - Ambient temperature is 49 °C. No other changes were observed
1400 - Ambient temperature is 49 °C. No other changes were observed

REG. WATER QUALITY CONTROL BOARD LAB.			**FECAL COLIFORM RESULTS (MPN/100ml)**			
COLLECTION TIME	STORET CODE	ANALYSIS METHOD	JUNE 2001	12 MONTHS AVE	MAX VALUE	MIN VALUE
11:00	316315	Multiple Tube Fermentation	300,000	274,167	500000	40000
12:00	316315	Multiple Tube Fermentation	500,000	473,333	2400000	40000
13:00	316315	Multiple Tube Fermentation	800,000	410,000	1100000	40000
13:30	316315	Multiple Tube Fermentation	220,000	125,000	500000	110000
14:00	316315	Multiple Tube Fermentation	800,000	406,667	1100000	110000

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

DHS – SOUTHERN CALIFORNIA LABORATORY				CONSTITUENT RESULTS (mg/l)[1]			
	STORET CODE	US EPA METHOD	DETECTION LEVEL	JUNE 2001	12 MONTHS AVERAGE	MAX VALUE	MIN VALUE
MBAS	38260	425.1	0.025	1.14	1.455	3.620	0.250
Total Phosphate as P	665	365.2	0.01	1.82	1.798	2.660	0.130
Phenol	32730	420.1	0.002	ND	0.003	0.009	0.005
Cyanide	720	335.2	0.01	ND	0.002	0.020	0.020
Ammonia - Nitrogen (NH_3-N)	610	350.2	0.05	0.57	5.46	7.520	0.570
Nitrate - Nitrogen (NO_3-N)	71850	353.2	0.2	ND	0.42	1.700	0.100
Nitrite - Nitrogen (NO_2-N)	630	353.2	0.03	ND	0.03	0.160	0.060
Hardness as ($CaCO_3$)	900	130.2	1	167	676	907	167
Total Alkalinity as ($CaCO_3$)	410	310.1	1	305	261	323	251
Bicarbonate (HCO_3)	00440	310.1	1	ND	287	394	306
Total Filter Residue (TDS)	70300	160.1	10	2830	2338	2990	2090
Total Suspended Solids	530	160.2	10	46	48.2	74.00	35.00
Turbidity	82078	180.1	0.1	42	21.6	42.00	9.40
BOD	310	405.1	2	21	26.1	62.00	12.00
COD	340	410.4	5	58	48.4	60.00	31.50

DHS – SOUTHERN CALIFORNIA LABORATORY				TRACE METALS RESULTS (ug/l)[1]			
TRACE METALS	STORET CODE	US EPA METHOD	DETECTION LEVEL	JUNE 2001	12 MONTH AVERAGE	MAX VALUE	MIN VALUE
As-Arsenic	1002	200.9	2	ND	5.6	13.00	3.00
Cd-Cadmium	1027	200.9	1	ND	0.0	0.00	0.00
Cr-Chromium	1034	200.9	10	ND	1.2	14.00	14.00
Cu-Copper	1042	200.9	10	ND	24.8	173.00	13.00
Pb-Lead	1051	200.9	10	ND	2.0	24.00	24.00
Se-Selenium	1147	200.9	5	ND	0.0	0.00	0.00
Zn-Zinc	1092	289.1	50	99	109.6	380.00	54.00
Hg-Mercury	71900	245.1	1	ND	6.5	77.00	0.42

[1] Composite of eight water samples collected hourly.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

DHS – SOUTHERN CALIFORNIA LABORATORY		JUNE - 01 RESULTS (ug/l)	
CONSTITUENT[2]	STORET CODE	9:00 AM	12:00 PM
Benzene	34030	ND[3]	ND
Bromobenzene	81555	ND	ND
Bromochloromethane	A-012	ND	ND
Bromodichloromethane	32101	ND	ND
Bromoform	32104	ND	ND
Bromomethane (Mehyl Bromide)	34413	ND	ND
n-Butylbenzene	A-010	ND	ND
sec-Butylbenzene	77350	ND	ND
tert-Butylbenzene	77353	ND	ND
Carbon Tetrachloride	32102	ND	ND
Chlorobenzene (Monochlorobenzene)	34301	ND	ND
Chloroethane	34311	ND	ND
Chloroform	32106	ND	0.68
Chloromethane (Methyl Chloride)	34418	ND	ND
o-Chlorotoluene (2-Chlorotolulene)	A-008	ND	ND
p-Chlorotoluene (4-Chlorotolulene)	A-009	ND	ND
Dibromochloromenhane	32105	ND	ND
Dibromomethane	77596	ND	ND
1,2-Dichlorobenzene (o-DCB)	34536	0.87	0.92
1,3-Dichlorobenzene (m-DCB)	34566	ND	ND
1,4-Dichlorobenzene (p-DCB)	34571	0.81	0.79
Dichlorodifluoromethane (Freon 12)	34668	ND	ND
1,1-Dichloroethane (1,1-DCA)	34496	ND	ND
1,2-Dichloroethane (1,2-DCA)	34531	ND	ND
1,1-Dichloroethylene (1,1-DCE)	34501	ND	ND
cis-1,2-Dichloroethylene	77093	ND	ND
trans-1,2-Dichloroethylene	34546	ND	ND
1,2-Dichloropropane	34541	ND	ND
1,3-Dichloropropane	77173	ND	ND
1,2-Dichloropropane	77170	ND	ND

[2] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected level is reported as 0.5 for all the constituents; except as noted.
[3] ND = Concentration is reported below the detected level.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

NEW RIVER @ THE INTERNATIONAL BOUNDARY - CALEXICO, CALIFORNIA
WATER ANALYSIS RESULTS

DHS – SOUTHERN CALIFORNIA LABORATORY	JUNE - 01 RESULTS (ug/l)		
CONSTITUENT[4]	STORET CODE	9:00 AM	12:00 PM
1,1-Dichloropropylene	77168	ND[5]	ND
cis- & trans-1,3-Dichloropropylene	34561	ND	ND
Ethyl benzene	34371	ND	ND
Ethylene dibromide (EDB)	77651	ND	ND
Hexachlorobutadiene	34391	ND	ND
Isopropylbenzene (Cumeme 77356)	77223	ND	ND
p-Isopropyltoluene (p-Cymene)	A-011	ND	ND
Methylene chloride (Dichloromethane)	34423	ND	ND
Methyl Ethyl Ketone[6]	81595	ND	ND
Methyl Isobutyl Ketone[7]	81596	ND	ND
Methyl tert-Butyl Ether (MTBE)	A-030	ND	ND
Napthalene	34696	ND	ND
n-Propylbenzene	77224	ND	ND
Styrene	77128	ND	ND
1,1,1,2-Tetrachloroethane	77562	ND	ND
1,1,2,2-Tetrachloroethane	34516	ND	ND
Tetrachloroethylene (PCE)	34475	ND	ND
Toluene	34010	0.98	0.73
1,2,3-Trichlorobenzene	77613	ND	ND
1,2,4-Trichlorobenzene	34551	ND	ND
1,1,1-Trichloroethane (1,1,1-TCA)	34506	ND	ND
1,1,2-Trichloroethane (1,1,2-TCA)	34511	ND	ND
Trichloroethylene (TCE)	39180	ND	ND
1,2,3-Trichloropropane	77443	ND	ND
Trichlorofluoromethane (Freon 11)	34488	ND	ND
1,2,4-Trimethylbenzene	77222	ND	ND
1,3,5-Trimethylbenzene	77226	ND	ND
1,1,2-Trichloro-trifluoroethane (Freon 113)	81611	ND	ND
Vinyl chloride (VC)	39175	ND	ND
m,p-Xylenes	A-014	ND	ND
o-Xylene	77135	0.63	0.52

[4] Constituents were analyzed using USEPA Method 524.2; all units are reported in micrograms per liter; the detected level is reported as 0.5 for all the constituents; except as noted.
[5] ND = Concentration is reported below the detected level.
[6] Detection Level is as reported 2.0
[7] Detection Level is as reported 2.0

VOCS DETECTED AT THENEW RIVER
INTERNATIONAL BOUDARY LINE IN CALEXIC0
(AUG 1995 – MAY 2001)

CHLOROFORM

	1996			1997						1998						
Time	Aug	Sep	Nov	Feb	Mar	April	May	Jul	Sep	Dec	Jan	Mar	June	Jul	Sep	Dec
9:00		0.52	0.54		0.67				0.61		0.64			0.51	0.85	
12:00	0.59	0.5	0.77	0.63	0.83				0.79		0.72					
15:00							0.79	0.58	0.73							0.86
18:00								0.87	0.88	0.57		0.56				0.77
21:00									0.78	0.53						0.8
0:00									0.7	0.89		0.64			0.75	0.65
3:00						0.53			0.8							
6:00									0.54				0.56		0.51	1.2
Max	0.59	0.52	0.77	0.63	0.83	0.53	0.79	0.87	0.88	0.89	0.72	0.64	0.56	0.51	0.85	1.2
Ave	0.59	0.51	0.66	0.63	0.75	0.53	0.79	0.73	0.73	0.66	0.68	0.60	0.56	0.51	0.70	0.86
Min	0.59	0.5	0.54	0.63	0.67	0.53	0.79	0.58	0.54	0.53	0.64	0.56	0.56	0.51	0.51	0.65

		1999					2000						2001			
Time	Mar	Jun	Sep	Feb	Mar	July	Aug	Sep	Oct	Nov	Jan	Feb	Mar	Apr	May	May
9:00				0.56	0.63		0.5	0.64	0.65	0.61	0.59	0.50	0.54	1.00	0.55	0.67
12:00						0.71	0.66	0.87	0.86	0.63	0.57	0.60	0.73	1.00	0.58	
15:00			0.64					0.88			1.60				1.00	
18:00	0.61	0.57	0.8		0.98			0.85			1.30				0.97	
21:00	0.57	0.59	0.9		1.3			0.88			1.30				1.30	
0:00	0.53		0.83		1.2			0.88			1.00				1.10	
3:00	0.69		1.3		1.3			1.10			0.82				0.81	
6:00			0.74		0.77			0.82			0.67				0.68	
Max	0.69	0.59	1.3	0.56	1.3	0.71	0.66	1.1	0.86	0.63	1.6	0.6	0.73	1	1.3	0.67
Ave	0.60	0.58	0.87	0.56	1.03	0.71	0.58	0.87	0.76	0.62	0.98	0.55	0.64	1.00	0.87	0.67
Min	0.53	0.57	0.64	0.56	0.63	0.71	0.5	0.64	0.65	0.61	0.57	0.5	0.54	1	0.55	0.67

VOCS DETECTED AT THENEW RIVER
INTERNATIONAL BOUDARY LINE IN CALEXIC0
(AUG 1995 – MAY 2001)

1, 2-DICHLOROBENZENE (O-DCB)

	1996			1997			1999		2000	2001
Time	Feb	Sep	Oct	Jan	April	Dec	Feb	March	Sep	Jan
9:00	0.6	1.6	0.8	0.51			1			
12:00		1.4								
15:00									2.10	0.61
18:00										
21:00						1.3		1.1		1.00
0:00						0.65				0.51
3:00					0.78					
Max	0.6	1.6	0.8	0.51	0.78	1.3	1	1.1	2.1	1
Ave	0.60	1.50	0.80	0.51	0.78	0.98	1.00	1.10	2.10	0.71
Min	0.6	1.4	0.8	0.51	0.78	0.65	1	1.1	2.1	0.51

VOCS DETECTED AT THENEW RIVER
INTERNATIONAL BOUDARY LINE IN CALEXIC0
(AUG 1995 – MAY 2001)

1,4-DICHLOROBENZENE (P-DCB)

	1995					1996								1997			
Time	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	March	April
9:00	0.53	0.84	0.71	0.76	0.50	0.67	0.51	0.53	0.90	1.80		1.30	0.85	1.00	0.97	0.97	
12:00	0.63	1.00	1.20	1.20	0.50	0.65	0.68	0.51	1.00	1.50	0.93	1.70	0.77	0.81	1.30	1.30	
15:00																	
18:00																	
21:00																	0.51
0:00																	0.57
3:00																	0.90
6:00																	
Max	0.63	1.00	1.20	1.20	0.50	0.67	0.68	0.53	1.00	1.80	0.93	1.70	0.85	1.00	1.30	1.30	0.90
Ave	0.58	0.92	0.96	0.98	0.50	0.66	0.60	0.52	0.95	1.65	0.93	1.50	0.81	0.91	1.14	1.14	0.66
Min	0.53	0.84	0.71	0.76	0.50	0.65	0.51	0.51	0.90	1.50	0.93	1.30	0.77	0.81	0.97	0.97	0.51

	1997								1998									
Time	May	June	Jul	Aug	Sep	Oct	Nov	Dec	Jan	April	May	June	Jul	Aug	Sep	Oct	Nov	Dec
9:00	0.51	0.55	0.89	0.62	0.65	0.64	0.83	0.59	0.72	0.62	0.95	0.57	1.10	0.53	0.68	0.56	0.67	0.57
12:00			0.63	0.67	0.59	0.80	0.88	0.71	0.90	0.54	0.83	0.50	1.10		0.59	0.64	0.59	0.60
15:00	0.62		0.87		0.71			0.72				0.51						0.69
18:00		0.57	0.83		0.68			0.83				0.57			0.62			0.89
21:00		0.58			0.73			0.79				0.64			0.61			1.20
0:00		0.70			0.68			0.78				0.60			0.69			1.00
3:00	0.68	0.81			0.67			0.53				0.92			0.64			0.75
6:00								0.51				0.94			0.68			0.72
Max	0.68	0.81	0.89	0.67	0.73	0.80	0.88	0.83	0.90	0.62	0.95	0.94	1.10	0.53	0.69	0.64	0.67	1.20
Ave	0.60	0.64	0.81	0.65	0.67	0.72	0.86	0.68	0.81	0.58	0.89	0.66	1.10	0.53	0.64	0.60	0.63	0.80
Min	0.51	0.55	0.63	0.62	0.59	0.64	0.83	0.51	0.72	0.54	0.83	0.50	1.10	0.53	0.59	0.56	0.59	0.57

VOCS DETECTED AT THENEW RIVER
INTERNATIONAL BOUDARY LINE IN CALEXIC0
(AUG 1995 – MAY 2001)

1,4-DICHLOROBENZENE (P-DCB) *(CONT)*

	1999							2000										2001					
Time	Jan	Feb	Mar	Jun	Jul	Aug	Sep	Feb	Mar	April	May	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Mar	Apr	May
9:00	0.65	0.75	0.52	0.86	0.63	0.79	0.69	1.10		0.56	0.63	0.85	0.87	0.91	1.00	0.96	0.90	1.10	0.76	0.74	1.10	0.74	0.89
12:00	0.60	0.52	0.50	1.20	0.69	0.91	0.82	0.79	0.54	0.66	0.84	0.96	0.91	1.00	1.30	0.94	1.20	0.76	0.84	0.93	1.10	0.62	0.66
15:00			0.60	1.10			1.00		0.69					3.60				1.40				1.30	
18:00			0.87	1.50			1.10		0.83					1.70				1.60				1.10	
21:00			1.00	1.40			0.89		1.00					1.20				1.70				1.70	
0:00			0.77	0.99			1.10		0.76					1.20				1.30				0.94	
3:00			0.62	0.90			1.10		0.77					1.10				1.10				0.95	
6:00			0.54	0.72			0.75		0.52					0.92				0.84				0.83	
Max	0.65	0.75	1.00	1.50	0.69	0.91	1.10	1.10	1.00	0.66	0.84	0.96	0.91	3.60	1.30	0.96	1.20	1.70	0.84	0.93	1.10	1.70	0.89
Ave	0.63	0.64	0.68	1.08	0.66	0.85	0.93	0.95	0.73	0.61	0.74	0.91	0.89	1.45	1.15	0.95	1.05	1.23	0.80	0.84	1.10	1.02	0.78
Min	0.60	0.52	0.50	0.72	0.63	0.79	0.69	0.79	0.52	0.56	0.63	0.85	0.87	0.91	1.00	0.94	0.90	0.76	0.76	0.74	1.10	0.62	0.66

BENZENE

	1997						1998	
Time	Feb	March	April	May	Jul	Dec	Jan	June
12:00	0.52	0.76					0.88	
15:00					0.61			
18:00						0.51		
21:00			0.51					
3:00			0.66	0.61				0.55
Max	0.52	0.76	0.66	0.61	0.61	0.51	0.88	0.55
Ave	0.52	0.76	0.59	0.61	0.61	0.51	0.88	0.55
Min	0.52	0.76	0.51	0.61	0.61	0.51	0.88	0.55

VOCS DETECTED AT THENEW RIVER
INTERNATIONAL BOUDARY LINE IN CALEXIC0
(AUG 1995 – MAY 2001)

TOLUENE

	1995				1996								1997		
Time	Aug	Sep	Nov	Dec	Jan	Feb	June	Aug	Sep	Oct	Nov	Dec	Jan	Feb	March
9:00		0.94	0.60		1.70	2.30	0.72	0.68	1.20	0.72	2.30	4.40	1.10	1.70	1.90
12:00	0.72	0.71	2.80	0.81	1.40	2.20		0.71	1.90	0.93	2.70	2.90	1.50	2.80	3.90
15:00															
18:00															
21:00															
0:00															
3:00															
6:00															
Max	0.72	0.94	2.80	0.81	1.70	2.30	0.72	0.71	1.90	0.93	2.70	4.40	1.50	2.80	3.90
Ave	0.72	0.83	1.70	0.81	1.55	2.25	0.72	0.70	1.55	0.83	2.50	3.65	1.30	2.25	2.90
Min	0.72	0.71	0.60	0.81	1.40	2.20	0.72	0.68	1.20	0.72	2.30	2.90	1.10	1.70	1.90

	1997									1998					
Time	April	May	June	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	March	April	May	June
9:00		1.20	1.50	1.10	1.30	1.70		2.30		1.00		0.74	0.54	3.30	1.20
12:00	1.50				1.20	0.81	2.20	2.10		4.10	1.10	0.80			1.50
15:00	1.90	2.30		2.10		1.60			3.00			1.20			1.10
18:00	1.40			1.60		1.50			2.80						1.50
21:00	2.40	1.00				1.70			2.50			1.20			1.10
0:00	2.00	0.72	1.80			1.10			2.50			0.89			1.80
3:00	2.70	4.10	1.60			1.90						2.30			3.90
6:00	1.30					1.50			0.63			0.62			3.00
Max	2.70	4.10	1.80	2.10	1.30	1.90	2.20	2.30	3.00	4.10	1.10	2.30	0.54	3.30	3.90
Ave	1.89	1.86	1.63	1.60	1.25	1.48	2.20	2.20	2.29	2.55	1.10	1.11	0.54	3.30	1.89
Min	1.30	0.72	1.50	1.10	1.20	0.81	2.20	2.10	0.63	1.00	1.10	0.62	0.54	3.30	1.10

VOCS DETECTED AT THENEW RIVER
INTERNATIONAL BOUDARY LINE IN CALEXIC0
(AUG 1995 – MAY 2001)

TOLUENE (*CONT)*

	1998				1999						2000				
Time	Jul	Aug	Sep	Dec	Jan	Feb	March	Jun	Aug	Sep	Feb	March	April	May	July
9:00	1.90	0.54	0.58	0.62	1.30	0.76		1.20	0.93	0.66	1.60		0.95	0.88	0.96
12:00	1.10			0.65	1.40	0.65		1.10	1.10	0.63	1.10		0.68	0.91	0.98
15:00				1.70			0.70	2.00		0.78					
18:00				2.60			1.90	4.70		1.20					
21:00			0.73	1.80			1.40	3.20		1.20		1.30			
0:00				1.50			0.82	1.40		1.60		0.62			
3:00				1.60			0.66	1.30		2.00		0.86			
6:00			0.84	0.93				0.93		1.90					
Max	1.90	0.54	0.84	2.60	1.40	0.76	1.90	4.70	1.10	2.00	1.60	1.30	0.95	0.91	0.98
Ave	1.50	0.54	0.72	1.43	1.35	0.71	1.10	1.98	1.02	1.25	1.35	0.93	0.82	0.90	0.97
Min	1.10	0.54	0.58	0.62	1.30	0.65	0.66	0.93	0.93	0.63	1.10	0.62	0.68	0.88	0.96

	2000				2001					
Time	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Mar	Apr	May
9:00	0.78	1.10	1.10	0.90	1.50	1.10	1.40	2.60	0.53	0.82
12:00	0.71	1.80	1.10	3.30	1.10	1.10	3.00	2.20	2.40	
15:00	2.00				3.20				7.80	
18:00	1.20				3.20				4.90	
21:00	3.40				8.90				25.00	
0:00	1.90				2.60				3.10	
3:00	1.00				2.20				2.50	
6:00	1.80				1.40				2.10	
Max	3.40	1.80	1.10	3.30	8.90	1.10	3.00	2.60	25.00	0.82
Ave	1.60	1.45	1.10	2.10	3.01	1.10	2.20	2.40	6.04	0.82
Min	0.71	1.10	1.10	0.90	1.10	1.10	1.40	2.20	0.53	0.82

VOCS DETECTED AT THENEW RIVER
INTERNATIONAL BOUDARY LINE IN CALEXIC0
(AUG 1995 – MAY 2001)

M,P-XYLENES

	1995		1996													
Time	Sep	Nov	Jan	Feb	Sep	Oct	Nov	Dec	Jan	Feb	March	April	May	June	Jul	Aug
9:00	0.74		1.00	2.00	0.76	0.51	1.50	1.10	0.70	1.20	1.30	0.98	1.00	0.90	0.53	0.78
12:00	0.54	0.75	0.74	2.00	1.50	0.64	2.30	0.88	1.30	2.00	2.60	1.10				0.86
15:00												1.50	2.10		1.40	
18:00												0.97			1.10	
21:00												1.60				
0:00												1.30		1.40		
3:00												1.90	1.80	1.70		
6:00												0.77				
Max	0.74	0.75	1.00	2.00	1.50	0.64	2.30	1.10	1.30	2.00	2.60	1.90	2.10	1.70	1.40	0.86
Ave	0.64	0.75	0.87	2.00	1.13	0.58	1.90	0.99	1.00	1.60	1.95	1.27	1.63	1.33	1.01	0.82
Min	0.54	0.75	0.74	2.00	0.76	0.51	1.50	0.88	0.70	1.20	1.30	0.77	1.00	0.90	0.53	0.78

	1997				**1998**								**1999**			
Time	Sep	Oct	Nov	Dec	Jan	Feb	March	April	May	June	Jul	Dec	Jan	March	Jun	Sep
9:00	0.76		1.40		0.91			0.64	0.86		0.79		1.50			
12:00	0.57	1.10	1.60		2.90	0.75					0.62		1.50			
15:00	0.73			1.00								0.62		0.56	0.76	
18:00	0.77			1.50			0.68					0.68		0.62	0.73	0.64
21:00	0.75			0.76			0.54					0.77			1.70	0.67
0:00	0.56			1.20								0.64			0.58	0.60
3:00	0.94						0.93			1.30		0.68			0.54	0.57
6:00	0.55									0.86						
Max	0.94	1.10	1.60	1.50	2.90	0.75	0.93	0.64	0.86	1.30	0.79	0.77	1.50	0.62	1.70	0.67
Ave	0.70	1.10	1.50	1.12	1.91	0.75	0.72	0.64	0.86	1.08	0.71	0.68	1.50	0.59	0.86	0.62
Min	0.55	1.10	1.40	0.76	0.91	0.75	0.54	0.64	0.86	0.86	0.62	0.62	1.50	0.56	0.54	0.57

VOCS DETECTED AT THENEW RIVER
INTERNATIONAL BOUDARY LINE IN CALEXIC0
(AUG 1995 – MAY 2001)

M,P-XYLENES *(CONT)*

	2000						2001				
Time	Feb	July	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Mar	Apr
9:00	0.86	0.61		1.00	0.50		1.40	0.83	0.85	1.30	
12:00		0.77		1.50		0.80	0.87	0.85	1.00	0.96	
15:00							1.80				0.74
18:00							1.10				0.84
21:00			0.72				2.50				1.60
0:00			1.10				1.50				
3:00			0.61				1.40				
6:00							0.86				
Max	0.86	0.77	1.10	1.50	0.50	0.80	2.50	0.85	1.00	1.30	1.60
Ave	0.86	0.69	0.81	1.25	0.50	0.80	1.43	0.84	0.93	1.13	1.06
Min	0.86	0.61	0.61	1.00	0.50	0.80	0.86	0.83	0.85	0.96	0.74

O-XYLENE

	1996					1997										
Time	Jan	Feb	Sep	Nov	Dec	Jan	Feb	March	April	May	June	Jul	Sep	Oct	Nov	Dec
9:00	0.53	1.00		0.74	0.58		0.61	0.69	0.52	0.72	0.56				0.70	
12:00		1.00	0.66	1.10		0.74	1.10	1.40	0.66					0.74	0.87	0.53
15:00									0.91	1.40		0.94				0.53
18:00									0.55			0.76				0.86
21:00									0.90							0.51
0:00									0.77		0.88					0.78
3:00									1.10	1.00	1.00		0.51			
6:00																
Max	0.53	1.00	0.66	1.10	0.58	0.74	1.10	1.40	1.10	1.40	1.00	0.94	0.51	0.74	0.87	0.86
Ave	0.53	1.00	0.66	0.92	0.58	0.74	0.86	1.05	0.77	1.04	0.81	0.85	0.51	0.74	0.79	0.64
Min	0.53	1.00	0.66	0.74	0.58	0.74	0.61	0.69	0.52	0.72	0.56	0.76	0.51	0.74	0.70	0.51

VOCS DETECTED AT THENEW RIVER
INTERNATIONAL BOUDARY LINE IN CALEXIC0
(AUG 1995 – MAY 2001)

O-XYLENE *(CONT)*

	1998						1999		2000			2001				
Time	Jan	Feb	March	April	May	June	Jan	Jun	Sep	Oct	Dec	Jan	Feb	Mar	Mar	Apr
9:00	0.58			0.56	0.52		0.82					0.65	0.50	0.50	0.70	
12:00	1.60	0.67					0.78			0.69	1.50			0.59	0.64	
15:00							0.78			0.69	1.50	0.89				
18:00							0.78			0.69	1.50					0.51
21:00								0.90				1.20				0.89
0:00									0.50			0.71				
3:00			0.53			0.78			0.50			0.64				
6:00						0.62										
Max	1.60	0.67	0.53	0.56	0.52	0.78	0.82	0.90	0.50	0.69	1.50	1.20	0.50	0.59	0.70	0.89
Ave	1.09	0.67	0.53	0.56	0.52	0.70	0.79	0.90	0.50	0.69	1.50	0.82	0.50	0.55	0.67	0.70
Min	0.58	0.67	0.53	0.56	0.52	0.62	0.78	0.90	0.50	0.69	1.50	0.64	0.50	0.50	0.64	0.51

1,2,4-TRIMETHYLBENZENE

	1995	1996					1997									
Time	Nov	Jan	Feb	Sep	Nov	Dec	Jan	Feb	March	April	May	June	Jul	Sep	Nov	Dec
9:00		0.62	1.00	0.52	0.76	0.69		0.70	0.98	0.54					0.75	
12:00	0.59	0.56	0.94	0.78	1.70	0.56	0.80	1.70	2.00						0.90	
15:00										0.97	0.97		0.78			0.52
18:00										0.54			0.70			0.95
21:00										0.85						0.52
0:00										0.83		0.89				0.72
3;00											1.10	1.00		0.55		
6:00																
Max	0.59	0.62	1.00	0.78	1.70	0.69	0.80	1.70	2.00	0.97	1.10	1.00	0.78	0.55	0.90	0.95
Ave	0.59	0.59	0.97	0.65	1.23	0.63	0.80	1.20	1.49	0.75	1.04	0.95	0.74	0.55	0.83	0.68
Min	0.59	0.56	0.94	0.52	0.76	0.56	0.80	0.70	0.98	0.54	0.97	0.89	0.70	0.55	0.75	0.52

VOCS DETECTED AT THENEW RIVER
INTERNATIONAL BOUDARY LINE IN CALEXICO
(AUG 1995 – MAY 2001)

1,2,4-TRIMETHYLBENZENE *(CONT)*

	1998			**1999**	2000				2001			
Time	Jan	June	Jul	Jun	Feb	March	Sep	Oct	Jan	Feb	Mar	Apr
9:00	0.50		0.63		0.69				0.55	1.20	1.10	
12:00	1.80		0.50					0.70		0.61	0.65	
15:00				0.59					1.50			0.61
18:00				0.55			0.76		1.90			0.68
21:00				1.60		0.54	0.56		1.90			1.20
0:00							0.68		0.94			
3;00		0.85					0.68		0.72			
6:00		1.10										
Max	1.80	1.10	0.63	1.60	0.69	0.54	0.76	0.70	1.90	1.20	1.10	1.20
Ave	1.15	0.98	0.57	0.91	0.69	0.54	0.67	0.70	1.25	0.91	0.88	0.83
Min	0.50	0.85	0.50	0.55	0.69	0.54	0.56	0.70	0.55	0.61	0.65	0.61

P-ISOPROPYLTOLUENE (P-CYMENE)

	1995	1996		1997				**1999**			2000						2001		
Time	Nov	Nov	Dec	Feb	March	Nov	Dec	March	Jun	Sep	Feb	March	July	Sep	Oct	Dec	Jan	Mar	Apr
9:00		0.64	0.72		0.71	1.40					0.59		0.50	1.80	0.75		1.00	0.59	
12:00	0.58	0.98	0.56	0.80	1.10	2.50								0.92	0.87	1.40	0.62		
15:00							1.00		0.59					0.74			1.10		1.00
18:00							0.79	0.52	1.40	0.58				0.77			1.20		0.69
21:00							0.59		0.90	0.63		0.57		0.68			1.80		1.90
0:00							0.70		0.61	0.55				0.92			1.00		0.51
3:00									0.52					0.69			0.71		0.53
6:00														0.73			0.61		
Max	0.58	0.98	0.72	0.80	1.10	2.50	1.00	0.52	1.40	0.63	0.59	0.57	0.50	1.80	0.87	1.40	1.80	0.59	1.90
Ave	0.58	0.81	0.64	0.80	0.91	1.95	0.77	0.52	0.80	0.59	0.59	0.57	0.50	0.91	0.81	1.40	1.01	0.59	0.93
Min	0.58	0.64	0.56	0.80	0.71	1.40	0.59	0.52	0.52	0.55	0.59	0.57	0.50	0.68	0.75	1.40	0.61	0.59	0.51

VOCS DETECTED AT THENEW RIVER
INTERNATIONAL BOUDARY LINE IN CALEXIC0
(AUG 1995 – MAY 2001)

NAPHTHALENE

	1996	1997				1998	2000	2001	
Time	Nov	Feb	Mar	May	June	Jan	Dec	Jan	Feb
9:00									0.94
12:00	0.59	0.72	0.80			0.61	0.60		
15:00								0.54	
18:00								0.75	
21:00								0.71	
3:00				0.54	0.54				
Max	0.59	0.72	0.80	0.54	0.54	0.61	0.60	0.75	0.94
Ave	0.59	0.72	0.80	0.54	0.54	0.61	0.60	0.67	0.94
Min	0.59	0.72	0.80	0.54	0.54	0.61	0.60	0.54	0.94

METHYLENE CHLORIDE (DICHLOROMETHANE)

	1995	1996		1999	2000	2001
Time	Oct	Sep	Nov	Sep	Sep	Apr
9:00	6.00					
12:00	2.30	0.51	0.82			
18:00				0.59		
21:00						0.51
3:00					0.63	
Max	6.00	0.51	0.82	0.59	0.63	0.51
Ave	4.15	0.51	0.82	0.59	0.63	0.51
Min	2.30	0.51	0.82	0.59	0.63	0.51

VOCS DETECTED AT THENEW RIVER
INTERNATIONAL BOUDARY LINE IN CALEXIC0
(AUG 1995 – MAY 2001)

METHYL TER-BUTYL ETHER (MTBE)

	1997		1998			1999		2000	
Time	Sep	Nov	Jan	Nov	Dec	Feb	Jun	April	Nov
9:00		0.74		0.52		0.58		1.00	0.51
12:00		3.10	0.54						
15:00							0.56		
18:00	0.58								
21:00					0.63				
3:00							0.72		
Max	0.58	3.10	0.54	0.52	0.63	0.58	0.72	1.00	0.51
Ave	0.58	1.92	0.54	0.52	0.63	0.58	0.64	1.00	0.51
Min	0.58	0.74	0.54	0.52	0.63	0.58	0.56	1.00	0.51

ETHYL BENZENE

	1996		1997		1998	2001
Time	Feb	Nov	March	April	Jan	Jan
12:00	0.50	0.50	0.72		0.73	
18:00						0.55
21:00						0.62
3:00				0.53		
Max	0.50	0.50	0.72	0.53	0.73	0.62
Ave	0.50	0.50	0.72	0.53	0.73	0.59
Min	0.50	0.50	0.72	0.53	0.73	0.55

VOCS DETECTED AT THENEW RIVER
INTERNATIONAL BOUDARY LINE IN CALEXIC0
(AUG 1995 – MAY 2001)

TETRACHLOROETHYLENE (PCE)

Time	1995	1997	1998	2000
	Nov	March	Nov	Sep
9:00			0.84	
12:00	1.10	0.57		
15:00				2.20
18:00				
Max	1.10	0.57	0.84	2.20
Ave	1.10	0.57	0.84	2.20
Min	1.10	0.57	0.84	2.20

TRICHLOROFLUOROMETHANE (FREON 11)

Time	1996		1997	1998	2000
	Dec	April	June	March	Aug
9:00	18				1.10
12:00	14	0.66	3.2		1.40
15:00					
18:00				1.6	
3:00		1.1			
Max	18	1.1	3.2	1.6	1.4
Ave	16	0.88	3.2	1.6	1.25
Min	14	0.66	3.2	1.6	1.1

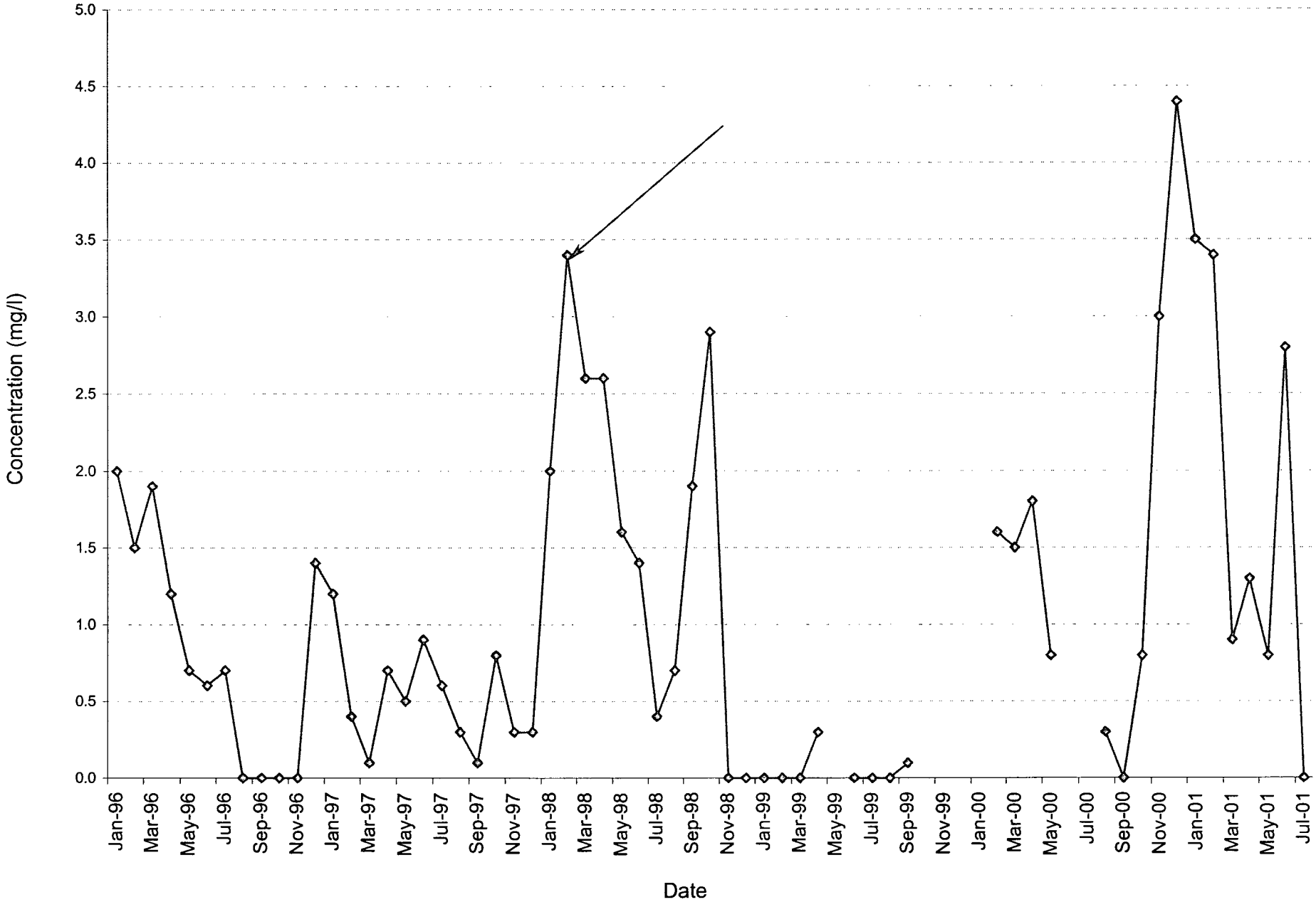
VOCS DETECTED AT THENEW RIVER INTERNATIONAL BOUDARY LINE IN CALEXIC0 (AUG 1995 – MAY 2001)

1,3,5-TRIMETHYLBENZENE

Time	1996	1997		1998	2001
	Nov	Feb	March	Jan	Jan
12:00	0.55	0.54	0.61	0.50	
18:00					0.52
21:00					0.53
Max	0.55	0.54	0.61	0.50	0.53
Ave	0.55	0.54	0.61	0.50	0.53
Min	0.55	0.54	0.61	0.50	0.52

Vinyl Chloride (VC) and Methyl Ethyl Ketone were detected at 2.30 ug/l and 2.4 ug/l during the months of January and April 2001, respectively.

DISSOLVED OXYGEN CONCENTRATIONS (1996 – JULY 2001) AT THE NEW RIVER INTERNATIONAL BOUDARY LINE IN CALEXICO



DISSOLVED OXYGEN CONCENTRATIONS (1996 – JULY 2001) AT THE NEW RIVER INTERNATIONAL BOUDARY LINE IN CALEXICO

	1996												1997											
Time	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
7:00	1.6	1.1	1.4	0.5	0.0	0.1	0.2	0.0	0.0	0.0	0.0	1.1	1.1	0.2	0.2	0.7	0.3	0.2	0.0	0.0	0.1	0.8	0.4	2.4
8:00	1.6	1.2	1.6	0.6	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.9	1.1	0.4	0.2	0.7	0.1	0.5	0.0	0.0	0.3	0.8	0.3	2.6
9:00	1.6	1.3	1.8	0.7	0.3	0.4	0.5	0.0	0.0	0.0	0.0	1.4	1.3	0.4	0.1	0.9	0.4	0.6	0.4	0.0	0.2	0.9	0.3	2.5
10:00	1.8	1.4	1.9	0.8	0.4	0.7	0.7	0.0	0.0	0.0	0.0	1.7	1.3	0.5	0.1	1.2	0.4	0.7	0.0	0.1	0.1	1.0	0.2	2.5
11:00	2.0	1.8	2.1	1.3	0.8	0.8	0.7	0.0	0.0	0.0	0.0	1.7	1.2	0.7	0.1	2.0	0.4	1.2	1.0	0.3	0.2	0.7	0.2	2.6
12:00	2.3	2.0	2.1	1.7	1.2	1.0	0.8	0.0	0.0	0.0	0.0	1.7	1.3	0.5	0.0	1.2	0.9	1.6	1.4	0.6	0.2	0.5	0.2	3.1
13:00	2.4	1.7	2.2	2.0	1.3	1.1	0.9	0.0	0.0	0.0	0.0	1.5	1.2	0.7	0.0	1.4	1.4	2.6	0.7	0.7	0.3	0.7	0.6	3.2
14:00	2.5	1.6	2.4	2.1	1.4	0.8	2.0	0.0	0.0	0.0	0.0	1.5	1.1	0.2	0.0	1.6	1.7	3.3	1.0	0.5	0.2	0.9	0.5	3.3
15:00																1.4	0.1	3.1			0.1			3.5
16:00																1.1	0.7	2.9			0.0			3.4
17:00																0.8	1.5	2.2			0.0			3.7
18:00																0.5	1.1	1.5			0.0			3.5
19:00																0.4	0.8	0.0			0.0			
20:00																0.3	0.3	0.1			0.0			
21:00																0.4	0.1	0.1			0.0			
22:00																0.4	0.1	0.0			0.0			
23:00																0.4	0.0	0.0			0.0			3.5
0:00																0.4	0.1	0.0			0.0			3.0
1:00																0.3	0.1	0.0			0.0			3.6
2:00																0.2	0.0	0.1			0.0			3.5
3:00																0.3	0.0	0.0			0.0			4.2
4:00																0.3	0.1	0.0			0.0			4.2
5:00																0.5	0.3	0.0			0.2			4.4
6:00																0.4	0.2	0.1			0.0			4.3
Ave	2.0	1.5	1.9	1.2	0.7	0.6	0.7	0.0	0.0	0.0	0.0	1.4	1.2	0.4	0.1	0.7	0.5	0.9	0.6	0.3	0.1	0.8	0.3	3.3

DISSOLVED OXYGEN CONCENTRATIONS (1996 – JULY 2001) AT THE NEW RIVER INTERNATIONAL BOUDARY LINE IN CALEXICO

	1998												1999							
Time	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Jun	Jul	Aug	Sep
7:00	1.4	2.1	2.5	0.6	0.3	0.6	0.1	0.0	0.9	-	0.0	0.0	0.0	0.0	0.0		0.0		0.0	0.8
8:00	1.6	2.5	2.6	0.7	0.5	0.7	0.0	0.0	1.7	2.3	0.0	0.0	0.0	0.0	0.0		0.0		0.0	0.6
9:00	1.8	3.0	2.8	1.8	0.9	0.7	0.0	0.1	1.1	2.2	0.0	0.0	0.0	0.0	0.0	0.7	0.0		0.0	0.1
10:00	1.7	3.5	3.2	2.8	0.6	1.6	0.3	0.4	2.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0
11:00	2.2	3.6	3.5	2.9	1.8	2.0	0.4	0.7	4.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12:00	2.2	3.8	3.7	3.6	2.1	3.0	0.4	1.2	3.1	3.2	0.0	0.0	0.0	0.0	0.0	0.5	0.0		0.0	0.1
13:00	2.6	4.1	4.0	4.3	3.2	3.4	0.9	1.7	3.5	3.6	0.0	0.0	0.0	0.0	0.0	1.3	0.0		0.0	0.0
14:00	2.6	4.4	3.9	3.9	3.4	3.8	0.9	1.9	3.9	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0
15:00			3.6			3.7			3.9			0.0			0.0		0.0			0.0
16:00			3.4			3.3			3.8			0.0			0.0		0.0			0.0
17:00			3.4			3.3			2.8			0.0			0.0		0.0			0.0
18:00			3.0			2.6			2.0			0.0			0.0		0.0			0.0
19:00			2.4			1.3			1.4			0.0			0.0		0.0			0.0
20:00			2.4			0.8			1.3			0.0			0.0		0.0			0.0
21:00			1.8			0.6			1.4			0.0			0.0		0.0			0.0
22:00			1.8			0.5			1.2			0.0			0.0		0.0			0.0
23:00			1.6			0.7			1.1			0.0			0.0		0.0			0.0
0:00			2.2			0.4			1.3			0.0			0.0		0.0			0.0
1:00			2.6			0.4			1.2			0.0			0.0		0.0			0.1
2:00			1.2			0.2			1.1			0.0			0.0		0.0			0.1
3:00			1.5			0.0			0.9			0.0			0.0		0.0			0.1
4:00			1.8			0.0			0.7			0.0			0.0		0.0			0.1
5:00			2.0			0.3			0.9			0.0			0.0		0.0			0.1
6:00			2.4			0.3			0.0			0.0			0.0		0.0			0.1
Ave	2.0	3.4	2.6	2.6	1.6	1.4	0.4	0.7	1.9	2.9	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.1

DISSOLVED OXYGEN CONCENTRATIONS (1996 – JULY 2001) AT THE NEW RIVER INTERNATIONAL BOUDARY LINE IN CALEXICO

	2000									2001						
Time	Feb	Mar	Apr	May	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
7:00	1.0	1.5	1.1	0.7	0.1	0.2	1.0	2.5	3.6	4.5	2.9	0.6		0.8	2.1	0.0
8:00	1.3	1.6	1.2	0.9	0.4	0.1	0.9	2.6	4.2	4.0	3.0	0.7		0.5	4.1	0.0
9:00	1.6	2.1	1.4	0.7		0.2	0.9	2.7	**5.9**	3.9	3.5	0.8	1.5	0.6	3.0	0.0
10:00	1.8	2.8	1.5	0.5		0.0	1.0	3.3	3.9	3.8	3.8	0.9	1.1	0.5	2.2	0.0
11:00	1.8	2.9	2.3	0.5		0.0	0.9	3.5	4.2	3.6	3.1	1.1	1.3	1.0	2.6	0.0
12:00	1.9	2.9	2.3	1.0		0.0	0.8	3.3	4.1	3.5	4.0	1.4	2.6	1.1		0.0
13:00	1.7	3.2	2.4	1.1		0.0	0.8	3.1	4.8	3.2	3.7	0.9	2.4	1.1		0.0
14:00	1.4	3.0	2.3	1.4		0.0	0.3	3.0	4.2	3.4	3.3	1.1	1.8	1.0		0.0
15:00		2.6				0.0				3.2			1.7			0.0
16:00		2.1				0.0				3.0			1.6			0.0
17:00		1.5				0.0				2.7			1.1			0.0
18:00		1.2				0.0				2.7			1.2			0.0
19:00		0.8				0.0				2.6			1.0			0.0
20:00		0.6				0.0				2.7			0.6			0.0
21:00		0.4				0.0				2.2			0.4			0.0
22:00		0.4				0.0				2.9			0.6			0.2
23:00		0.7				0.0				3.0			0.8			0.0
0:00		0.9				0.0				3.1			1.4			0.0
1:00		0.7				0.0				3.7			1.0			0.0
2:00		0.5				0.1				3.5			0.9			0.0
3:00		0.5				0.0				3.8			1.1			0.0
4:00		1.0				0.0				4.7			1.2			0.0
5:00		1.1				0.0				**5.4**			1.2			0.0
6:00		1.4				0.0				4.3			1.2			0.0
Ave	1.6	1.5	1.8	0.8	0.3	0.0	0.8	3.0	4.4	3.5	3.4	0.9	1.3	0.8	2.8	0.0

STATE OF CALIFORNIA

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

AGENDA ITEM 4

PUBLIC HEARING ON UPDATING THE 303(d)

LIST FOR IMPAIRED WATERBODIES

City Council Chambers

City of La Quinta

78-945 Calle Tampico

La Quinta, California

Wednesday, October 10, 2001

(Reporter's Transcript of Proceedings)

ITEM 4: PUBLIC HEARING ON UPDATING THE 303(d) LIST FOR IMPAIRED WATERBODIES: The Regional Board will consider adopting Resolution No. 01-205, which updates the 303(d) list of impaired water bodies for the Colorado River Basin Region, pursuant to the Federal Clean Water Act.

REPORTED BY:
WANDA J. HARRISON, RPR
CSR NO. 10489

PARK AVENUE
DEPOSITION SERVICE
(800) 447-3376

REGIONAL WATER QUALITY CONTROL BOARD

COLORADO RIVER BASIN REGION

73-320 Fred Waring Drive, Suite 100

Palm Desert, California 92260

(760) 346-7491

APPEARANCES

BOARD MEMBERS:

MICHAEL SMITH, Chairman

GARY JOHNSON, Vice Chairman

DR. DAN BAXLEY

LEON LESICKA

BRENDA SOULLIERE

NANCY S. WRIGHT

EXECUTIVE STAFF:

PHIL GRUENBERG, Executive Officer

ROBERT PERDUE, Assistant Executive Officer/Ombudsman

JOSE ANGEL, Supervising Water Resources Control Engineer

CHRIS IGBINEDION, Section Chief

DOUG WYLIE, Section Chief

STATE BOARD STAFF COUNSEL:

LORI OKUN

INDEX

LA QUINTA, CALIFORNIA; WEDNESDAY, OCTOBER 10, 2001

ITEM 4

CHAIRMAN SMITH: Move on to Item 4. Public hearing on updating 303(d) list for impaired water bodies. And I have another big statement to read.

This is the time and place for a public hearing by the California Regional Water Quality Board Colorado River Basin Region, pursuant to Section 303(d) of the Federal Clean Water Act regarding updating the Region's 303(d) list.

The purpose of this hearing is to take evidence and testimony concerning a proposed updated 303(d) list for the Region, and consider adopting Resolution No. 01-205, which adopts the updated 2001 303(d) list for the Colorado River Basin Region and directs the executive officer to forward copies of the approved 2001 303(d) list for the Colorado River Basin Region, its supporting documentation, and this resolution to the State Board.

The order of presentation will be as follows: The regional board staff testimony, testimony by other parties, executive officer recommendation. The Board, its executive officer and staff and counsel may ask questions to clarify the testimony of any witness at any time. The hearing on the matter will not be conducted according to the rules of evidence. The Board will accept any evidence or testimony

Page 5

which is reasonably relevant to updating the 303(d) list and the proposed resolution.

People who have similar comments or viewpoints on the matter should select or appoint a spokesperson to express them. Persons wishing to be recognized by the chair must fill out a card indicating so. At his discretion the Board chair will curtail evidence that is repetitive or irrelevant to the matter at hand.

Okay. All persons testifying or expecting to testify at the hearing, please stand, raise your right hand, take the following oath.

Do you solemnly swear or affirm that the testimony which you will give in this matter is the truth? If so, answer, "I do."

PHIL GRUENBERG: I do.

DOUG WYLIE: I do.

CHAIRMAN SMITH: Okay. When called upon to testify, identify yourself, who you represent and your address and state whether you have taken the oath.

I'll open this. Regional Board staff testimony, please.

DOUG WYLIE: Good morning. I am Doug Wylie. I'm a senior water resources control engineer with the Regional Board here in Palm Desert. I'm in charge of the non-point source and TMDL implementation unit. I'm here today to

Page 6

present the staff report on the 303(d) list, which we have updated.

The Regional Board is responsible for implementing provisions and pollution control requirements that the Federal Clean Water Act specifies for surface waters of the nation. Section 303(d) of the Clean Water Act requires the state, each state in the nation, to identify those surface water bodies that do not meet water quality standards after implementation of two things. The first one is best available technology for control of point sources of pollution. And the second one is for -- after Best Management Practices or BMPs for control of non-point sources of pollution.

The Basin Plan, which we have here for the Colorado River Basin Region identifies all the waters in the region and establishes water quality standards for those waters. Following the -- well, excuse me, following the identification of impaired water bodies, the State is also required to establish a priority list of these water bodies, identify the pollutants that cause the impairments and in partnership with the USEPA, we are supposed to develop pertinent TMDLs, like the one we just -- that you just adopted.

So surface water bodies within the Colorado River Basin that are impaired have been placed on our 303(d) list.

Page 7

The proposed list that we are going to be discussing today is updated typically every three years and it is subject to approval of the State Board and then to be followed by the USEPA's approval. Our list was last updated in 1998. So now we are three years later and all the regions are now working on their updated 303(d) list.

The currently impaired waters in this region -- there are six of them -- are the New River and the Alamo River and the Imperial Valley Drains. Those are the top three. Those all flow into the Salton Sea, which is our fourth water body that's impaired. The fifth one is the Palo Verde Outfall Drains, which are over on -- off the Colorado River on the eastern boundary of this region. And our last impaired water body is the Coachella Valley Storm Water Channel which flows southward into the Salton Sea. So those are the six bodies that we have previously identified on our 303(d) list.

Today we are proposing that the Regional Board update the 1998 303(d) list based on data and comments received from stakeholders and based on data that we have collected ourselves. Staff is also recommending that the Regional Board submit the updated 303(d) list to the State Board for its approval. The State Board will then review the updated 303(d) list from each of the regions, from all the Regional Boards. They'll hold a public hearing and

Page 8

consider public comments and then they'll finalize the 303(d) list and then transmit it to the USEPA for its final approval, which probably will take place next year in 2002.

Last February we solicited information from the public through newspaper notices and other -- a mass mailing for information requiring -- for information pertinent to our current 303(d) list. Attachment 3 in the staff report that you have shows the proposed updated 303(d) list for the region.

The proposed 2001 303(d) list contains the six same water bodies that I mentioned just a minute ago and we have some updates to this list which I consider relatively minor. We reviewed the data and comments submitted by our stakeholders. We also reviewed existing and readily available water quality related data previously submitted to this Regional Board from the State Board, from the IID, and from the Salton Sea Authority.

Based on that data, the staff is recommending that the Regional Board update its 303(d) list. Let me just show you this up here. This was our 1998 list and it's in your staff report. That's Attachment 1, the 1998 one. It has the six water bodies there.

And this is the Attachment 3, which shows our updated list and I will now explain the changes we have made. Basically there's six categories of changes.

Page 9

The updated list identifies for the New River seven specific volatile organic compounds or VOCs as impairing the New River. These VOCs are attributable to discharges of industrial waste from Mexico. The identified VOCs are solvents and petroleum hydrocarbon compounds and they're associated with untreated discharges of waste in Mexico and they violate the Basin Plan's quantitative and qualitative standards for the New River at the international boundary as provided in Minute No. 264 of the Mexican-American treaty. This provision of the treaty prohibits the discharge of untreated industrial waste into the New River.

The second category of changes is that we have removed the pollutant nutrients as impairing the New River because the staff has no documentation that there is an impairment from nutrients. Nutrients were listed in the New River in 1998 three years ago because the river does carry some nitrogen and phosphates that originate from Mexico and from the Imperial Valley.

So we know that there are some but they do not -- we don't have any data that shows there's an impairment as a result of that. We do know that in the Salton Sea, which is downstream of the New River, that there is a problem and it is associated with the nutrients, but we are dealing with that with a separate TMDL which we have just -- which we are just now beginning.

Page 10

Okay. The third category of changes is that we have added a new pollutant to the New River for the category known as trash. This is just the type of things that you can visualize such as plastic containers, wood, dead animals, anything that -- we just see tons of this stuff floating across the international boundary into the United States.

Imperial County estimates that they pull out, at the border or just downstream of that, 200 cubic yards of trash every quarter. So that's a large accumulation of trash that adversely impacts the beneficial uses of the water including Freshwater Habitat, Wildlife Habitat, Water Contact Recreation, and Non-Contact Water Recreation.

The fourth category of changes is that, for the New River also, we have added another pollutant, dissolved oxygen or the lack of dissolved oxygen. This impairs the water -- we collect data at the New River on -- at least on a monthly basis and our samples shows that a hundred percent of the samples violate the Basin Plan's 5 milligrams per liter minimum dissolved oxygen water quality objective for the New River.

Untreated and improperly treated discharges of waste from Mexico into the New River are responsible for these violations. The low dissolved oxygen impairs the Warm Freshwater Habitat designated beneficial use of the New River.

Page 11

Okay. My fifth category of changes that we are proposing on to our list is that we are changing the word -- the pollutant "bacteria" to "pathogens." Just as in the TMDL that you just adopted, we have already changed the title. When we first listed it, we had it listed for bacteria. Bacteria includes a wide range of, you know, good bacteria and bad bacteria. By changing bacteria to pathogens, we are recognizing that only pathogenic microorganisms are of concern here. Pathogens obviously violate the Water Contact Recreation and Non-Contact Water Recreation beneficial uses of the New River.

Our final change to conclude this is that we are updating the TMDL schedules. And that's shown on the chart that I won't get into all of, you know, we are working on about six of them right now. So we have target dates. We have changed all the dates, and you should consider these tentative. The completion of all these TMDLs does depend on funding and staffing that we receive from the State Board, so depending on the availability of resources, we have set up these tentative schedules.

The status of TMDLs also depends on further evaluation of the need for and feasibility of TMDLs. That basically wraps up my presentation on the staff report. Do you have any questions?

Page 12

CHAIRMAN SMITH: Any questions of staff? Gary?

GARY JOHNSON: Under the TMDL priority, they're all listed as high with the exception of the Palo Verde and the Coachella Valley Stormwater drains, one of which is listed as medium and one is listed as low. Can you explain -- well, also the Salton Sea selenium is listed as medium. Why are those medium or low and not high?

DOUG WYLIE: Most of these, the priorities were set at least by 1998 and even previously. We made very few changes in those priorities, and so they have been established by previous boards and just recognizing the various pollutants in these water bodies.

PHIL GRUENBERG: I guess I should respond to this question. The Sea was listed as medium based on the listing of salinity. And I think that was in recognition that a TMDL was not going to address the Sea's salinity problem, that it would take an engineering project to do that which was outside of the Regional Board's bounds.

GARY JOHNSON: Phil, I think it's listed as high.

PHIL GRUENBERG: Is it high?

GARY JOHNSON: That's selenium.

PHIL GRUENBERG: Selenium was one that was listed as --

CHAIRMAN SMITH: Imperial Valley drain selenium is high.

Page 13

PHIL GRUENBERG: I'm looking at the wrong table.
LORI OKUN: Page 4-11.
CHAIRMAN SMITH: Selenium, yeah, go back to the last page 4-16. Go one more page. It's up at the top where it looks like -- I was reading it as part of Palo Verde drain, but it's not.
PHIL GRUENBERG: Okay. The selenium was ranked as medium, I think mainly because we were looking towards, at that time what the potential was for correction of the problem amongst other things. Is a TMDL going to correct this? Is it appropriate? But we decided that the technology isn't there and we had other priorities that were higher, because they were more easily addressed including sediment and pathogens and nutrients and that we should move those ahead of selenium as far as implementation.
So I think that was the thinking behind the medium ranking there. It's -- selenium is going to be very costly and difficult to address, where some of those other pollutants are going to be easier to address and then, taking it a step further, let's see, Palo Verde Outfall Drain got a medium and Coachella Valley Stormwater Channel got a low.
Again, well, the medium on the Palo Verde Outfall Drain is just based on the fact that the bacterial pathogen levels are not nearly as high as they are in the New River,

Page 14

so we don't have the magnitude of the problem.
On the Coachella Valley Stormwater Channel, the same would be true, but also on top of that we haven't determined the source. We think we know the source for the outfall drain in Palo Verde Valley. It appears to be -- we are guessing it's septic tanks in the community of Palo Verde. But in -- for the Coachella Valley Stormwater Channel, we don't know what the source is. Again, that's going to be a difficult thing to address when you don't know what the source is.
CHAIRMAN SMITH: On that Coachella Valley Storm Channel, I see you have 20 miles. Is that just basically from the Indio Sewage Treatment Plant to the Salton Sea then?
DOUG WYLIE: Yes.
CHAIRMAN SMITH: Upstream of that, I believe it's dry all the time unless it rains.
PHIL GRUENBERG: Yeah. That just addresses the portion of the channel that's got a perennial flow.
CHAIRMAN SMITH: Right. Okay. Any other questions of staff?
GARY JOHNSON: Phil, on the Salton Sea, we are starting the nutrient TMDL process this year or scheduled to start this year. How does that process tie into the Salton Sea Authority's environmental review and what they may be

Page 15

undertaking.
PHIL GRUENBERG: I think it will tie in quite well, because they recognize that, in addition to salinity being a major problem that nutrification and nutrients is another significant problem which needs to be addressed, even to the extent that they have been doing some testing using alum for phosphate removal.
So I think that we are moving in reasonable coordination with their efforts with what we are doing. I know that they were looking favorably at our sediment TMDL, because some of the phosphate in those tributaries is attached to the sediments. So there would be some removal of phosphate with implementation of that TMDL.
Also they've found that, with this experiment using the alum, that the sediment is an impediment towards getting effective removal. If you have reduced sediment loading, they could get more effective removal of phosphate using alum in a lower dosage.
So I think that the Salton Sea authority is supportive of what we are doing and is anticipating that we are going to be successful in our endeavors in this regard. But I grant that it may not be enough to correct the Sea's nutrification problem to everybody's satisfaction. So I think that's why they're doing -- they're looking at some of these other steps as more potential things that could be

Page 16

done to address that problem.
GARY JOHNSON: And if there was a water transfer that eventually took place, what impact would that have on our process?
PHIL GRUENBERG: I don't think the water transfer is going to have much impact on our process unless there was a decision made as part of that that the Salton Sea was not going to be restored because that would make the nutrification problem of a lesser nature. I do not think that that's going to be what happens, but if that is what happened, it could be then that our TMDL, if the Board adopts a TMDL on nutrients, may be misguided. But at this point, I look towards the Sea positively as a situation that is going to be restored and that we have a commitment there, water quality wise, to assist in that restoration.
Did you want to add anything to this, Jose?
You need to swear Mr. Angel in. He's got something to say, go ahead and swear him in.
JOSE ANGEL: I'm not sure that I need to, but go ahead.
CHAIRMAN SMITH: I forgot the whole thing. How about I do like in court. Do you swear to tell the truth, the whole truth and nothing but the truth?
JOSE ANGEL: That's it, I do.
CHAIRMAN SMITH: He does. Thank you.

Page 17

JOSE ANGEL: Just real quick, in response to the other observation by Mr. Johnson, we already started also the pathogen TMDL for the Palo Verde. And my observation is not mine, so I'm not going to take credit for it. It's Chris, so I'll let him make the point on one of the changes that we are proposing that you take.

PHIL GRUENBERG: He has to be sworn in too.

CHAIRMAN SMITH: Do you solemnly swear or affirm that the testimony which you will give in the matter will be the truth? If so, answer by saying, "I do."

CHRIS IGBINEDION: I do.

CHAIRMAN SMITH: Okay.

CHRIS IGBINEDION: Thank you. I just observed that it was not clear that we referred to dissolved oxygen as a pollutant and we would probably, staff would like to change that to dissolved organic matter.

GARY JOHNSON: Can you explain?

CHRIS IGBINEDION: Because dissolved oxygen is not a pollutant. The pollutant that is coming from Mexico we are interested in is dissolved organic matter, and which is indicated by BOD.

CHAIRMAN SMITH: The dissolved oxygen is a result not a problem.

CHRIS IGBINEDION: We want dissolved oxygen. Thank you.

Page 18

CHAIRMAN SMITH: Any testimony from affected parties or interested parties? Seeing none, we will go to the executive officer recommendation.

PHIL GRUENBERG: I simply recommend adoption of Resolution No. 01-205.

CHAIRMAN SMITH: That's your whole statement?

PHIL GRUENBERG: That's my whole statement.

CHAIRMAN SMITH: Okay.

LORI OKUN: I have a question. Actually, are we changing DO to dissolved biological or dissolved organics now or is that something that's going to happen later?

PHIL GRUENBERG: I would also recommend that that change be included at this time.

CHAIRMAN SMITH: Okay. We will include that in a motion then, that the dissolved oxygen --

DR. DAN BAXLEY: The word "dissolved oxygen" if it's referenced anywhere become --

LORI OKUN: Dissolved organic matter?

CHAIRMAN SMITH: Dissolved organic matter. Who wants to try that motion?

NANCY WRIGHT: I'll so move.

CHAIRMAN SMITH: Do I have a second?

GARY JOHNSON: I'll second.

CHAIRMAN SMITH: Any discussion by the Board? I'll go to a role call.

Page 19

KRISTIE GARCIA: Nancy Wright?

NANCY WRIGHT: Yes.

KRISTIE GARCIA: Dr. Dan Baxley?

DR. DAN BAXLEY: Yes.

KRISTIE GARCIA: Gary Johnson?

GARY JOHNSON: Yes.

KRISTIE GARCIA: Michael Smith?

CHAIRMAN SMITH: Aye.

KRISTIE GARCIA: Leon Lesicka?

LEON LESICKA: Yes.

KRISTIE GARCIA: Brenda Soulliere?

BRENDA SOULLIERE: Yes.

KRISTIE GARCIA: Motion carries.

CHAIRMAN SMITH: Thank you.

(Public hearing concluded.)

Page 20

REPORTER'S CERTIFICATE

STATE OF CALIFORNIA)
) ss.
COUNTY OF SAN BERNARDINO)

I, WANDA J. HARRISON, a Certified Shorthand Reporter within and for the County of San Bernardino, State of California, do hereby certify:

That the foregoing proceedings were taken down by me in shorthand at the time and place therein stated and was thereafter reduced to print by Computer-Aided Transcription under my direction;

I further certify that I am not of counsel or attorney for any of the parties hereto or in any way interested in the event of this cause and that I am not related to any of the parties thereto.

Dated this _____ day of _____, 2001.

_____
WANDA J. HARRISON

Trifolium 12 Drain

Water Quality Data Summary

1996

	Reporting Limit / Units		Jan #######	Feb #######	Mar #######	Apr #######	May #######	Jun #######	Jul #######	Aug #######	Sep #######	Oct #######	Nov #######	Dec #######	High	Low	Ave
Field Measured																	
pH		units	7.92	8.57	7.92	7.80	8.10	8.06	7.82	7.74	7.84	8.42	8.00	7.86	8.57	7.74	8.00
Dissolved Oxygen		mg/L	10.1	10.54	6.89	8.89	8.66	8.10	7.52	5.69	12.09	12.00	9.19	7.55	12.09	5.69	8.94
Temperature		deg C	11.4	13.1	21.0	21.3	21.3	28.4	28.5	29.5	27.1	17.5	21.2	17.0	29.5	11.4	21.4
Conductivity		mS	4.19	2.25	2.44	2.36	2.82	3.16	2.57	2.88	3.09	2.53	3.44	3.94	4.19	2.25	2.97
Inorganics																	
Total Hardness	3	mg/L	1040	590	610	620	730	880	340	740	790	650	850	960	1040	340	733
Calcium	1	mg/L	230	130	140	144	170	220	77	170	170	150	190	210	230	77	167
Magnesium	1	mg/L	110	63	63	63	73	83	36	76	85	67	90	110	110	36	77
Ammonia-Nitrogen	0.1	mg/L	0.6	3.7	1.4	0.3	ND	0.3	0.2	3.7	1.9	6.1	0.2	0.2	6.1	0.2	1.7
Nitrate-Nitrogen	0.2	mg/L	27	7.2	7.0	7.5	8.1	20	7.6	10	11	12	19	19	27	7	13
pH	1	units	7.9	8.0	7.6	8.0	8.0	8.0	7.9	7.9	7.9	8.3	8.1	8.0	8.3	7.6	8.0
Specific Cond	1	umho/cm	3920	2050	2330	2210	2670	3010	2530	2810	3150	2580	3480	3960	3960	2050	2892
Total Diss Solids	10	mg/L	2680	1500	1620	1600	1940	2170	1850	2180	2160	1720	2440	2810	2810	1500	2056
Total Susp Solids	5	mg/L	210	360	230	260	100	110	92	58	53	100	170	300	360	53	170
Volatile Susp Solids	5	mg/L	16	40	37	32	15	25	19	34	19	16	ND	13	40	13	24
Settlable Solids	0.1	mg/L	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.2
Total Phosphorus	0.05	mg/L	0.33	0.41	0.61	0.43	0.22	0.27	0.52	0.11	0.17	0.24	0.33	0.42	0.61	0.11	0.34
Turbidity	0.05	NTU	130	250	170	240	82	66	61	20	29	220	110	230	250	20	134
Metals																	
Arsenic	2	ug/L	ND	ND	0.3	3	ND	5	5	5	5	3	3	4	5	0.3	4
Boron	100	ug/L	800	410	390	400	490	610	250	600	600	550	760	850	850	250	559
Cadmium	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Chromium	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	13	3	7	2	13	2	6
Copper	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	3	4	6	6	6	3	5
Lead	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	4	4	4	5	5	4	4
Selenium	1.0	ug/L	ND	ND	4.68	4.21	4.75	5.32	4.42	4.68	4.81	3.38	6.16	7.16	7.16	3.38	4.96
Silver	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	7	3	6	8	8	3	6

Trifolium 12 Drain

Water Quality Data Summary

1997

	Reporting Limit	Units	Jan #######	Feb #######	Mar #######	Apr #######	May #######	Jun #######	Jul #######	Aug #######	Sep #######	Oct #######	Nov #######	Dec #######	High	Low	Ave
Field Measured																	
pH		units	7.92	8.57	7.92	7.80	8.10	8.06	7.82	7.74	7.84	8.42	8.00	7.86	8.57	7.74	8.00
Dissolved Oxygen		mg/L	10.1	10.54	6.89	8.89	8.66	8.10	7.52	5.69	12.09	12.00	9.19	7.55	12.09	5.69	8.94
Temperature		deg C	11.4	13.1	21.0	21.3	21.3	28.4	28.5	29.5	27.1	17.5	21.2	17.0	29.5	11.4	21.4
Conductivity		mS	4.19	2.25	2.44	2.36	2.82	3.16	2.57	2.88	3.09	2.53	3.44	3.94	4.19	2.25	2.97
Inorganics																	
Total Hardness	3	mg/L	1040	590	610	620	730	880	340	740	790	650	850	960	1040	340	733
Calcium	1	mg/L	230	130	140	144	170	220	77	170	170	150	190	210	230	77	167
Magnesium	1	mg/L	110	63	63	63	73	83	36	76	85	67	90	110	110	36	77
Ammonia-Nitrogen	0.1	mg/L	0.6	3.7	1.4	0.3	ND	0.3	0.2	3.7	1.9	6.1	0.2	0.2	6.1	0.2	1.7
Nitrate-Nitrogen	0.2	mg/L	27	7.2	7.0	7.5	8.1	20	7.6	10	11	12	19	19	27	7	13
pH	1	units	7.9	8.0	7.6	8.0	8.0	8.0	7.9	7.9	7.9	8.3	8.1	8.0	8.3	7.6	8.0
Specific Cond	1	umho/cm	3920	2050	2330	2210	2670	3010	2530	2810	3150	2580	3480	3960	3960	2050	2892
Total Diss Solids	10	mg/L	2680	1500	1620	1600	1940	2170	1850	2180	2160	1720	2440	2810	2810	1500	2056
Total Susp Solids	5	mg/L	210	360	230	260	100	110	92	58	53	100	170	300	360	53	170
Volatile Susp Solids	5	mg/L	16	40	37	32	15	25	19	34	19	16	ND	13	40	13	24
Settlable Solids	0.1	mg/L	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.2
Total Phosphorus	0.05	mg/L	0.33	0.41	0.61	0.43	0.22	0.27	0.52	0.11	0.17	0.24	0.33	0.42	0.61	0.11	0.34
Turbidity	0.05	NTU	130	250	170	240	82	66	61	20	29	220	110	230	250	20	134
Metals																	
Arsenic	2	ug/L	ND	ND	0.3	3	ND	5	5	5	5	3	3	4	5	0.3	4
Boron	100	ug/L	800	410	390	400	490	610	250	600	600	550	760	850	850	250	559
Cadmium	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Chromium	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	13	3	7	2	13	2	6
Copper	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	3	4	6	6	6	3	5
Lead	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	4	4	4	5	5	4	4
Selenium	1.0	ug/L	ND	ND	4.68	4.21	4.75	5.32	4.42	4.68	4.81	3.38	6.16	7.16	7.16	3.38	4.96
Silver	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	7	3	6	8	8	3	6

Trifolium 12 Drain

Water Quality Data Summary

	Units	Reporting Limit	Jan 1/27/98	Feb 2/24/98	Mar 3/17/98
Field Measurements					
pH	units		8.33	8.60	7.94
Dissolved Oxygen	mg/L		7.20	6.85	8.72
Temperature	deg C		16.2	17.4	20.5
Conductivity	mS		2.63	6.14	2.97
Inorganics					
Total Hardness	mg/L	3	650	NS	NS
Calcium	mg/L	1	140	NS	NS
Magnesium	mg/L	1	70	NS	NS
Ammonia-Nitrogen	mg/L	0.1	3.7	3.0	0.1
Nitrate-Nitrogen	mg/L	0.2	12	28.0	13.0
pH	units	1	8.3	NS	NS
Specific Conductance	umho/cm	1	2710	NS	NS
Total Dissolved Solids	mg/L	10	1760	4380	2130
Total Suspended Solids	mg/L	5	420	150	300
Volatile Suspended Solids	mg/L	5	24	32	30
Settlable Solids	mL/L	0.1	0.5	0.3	0.3
Total Phosphorus	mg/L	0.05	0.11	0.13	0.62
Turbidity	NTU	0.05	300	100	230
Metals					
Arsenic	ug/L	2	4	NS	NS
Boron	ug/L	100	430	NS	NS
Cadmium	ug/L	1	ND	NS	NS
Total Chromium	ug/L	2	10	NS	NS
Copper	ug/L	2	5	NS	NS
Lead	ug/L	2	ND	NS	NS
Mercury	ug/L	1	ND	NS	NS
Nickel	ug/L	2	6	NS	NS
Selenium	ug/L	2	5.32	10.84	6.17
Silver	ug/L	2	ND	NS	NS
Zinc	ug/L	2	5	NS	NS
Pesticides					
Chlorpyrifos	ug/L	0.05	ND	ND	NS
Diazinon	ug/L	0.05	ND	ND	NS
Malathion	ug/L	0.10	ND	ND	NS
Carbaryl	ug/L	0.07	ND	ND	NS
Carbofuran	ug/L	0.07	ND	ND	NS

ND = Not Detected at reportable limit
NS = Not Sampled

New River

Water Quality Data Summary

1997

	Reporting Limit	Units	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
			#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######			
Field Measured																	
pH		units	7.58	8.09	7.73	7.47	7.80	7.92	7.71	7.75	7.75	7.86	7.65	7.71			
Dissolved Oxygen		mg/L	8.1		6.12	6.14	5.26	3.44	7.90	4.36	8.07	11.04	7.48	4.51			
Temperature		deg C	13.7	13.5	17.7	24.0	23.2	29.9	30.7	32.0	28.0	16.6	18.0	15.0			
Conductivity		mS	4.85	4.12	3.99	3.65	3.75	3.88	4.41	4.70	3.96	4.34	4.53	4.64			
Inorganics																	
Total Hardness	3	mg/L	940	890	790	790	740	840	440	1000	850	920	910	990			
Calcium	1	mg/L	210	200	170	174	170	200	98	220	190	210	200	220			
Magnesium	1	mg/L	100	95	83	84	77	84	48	110	90	96	97	110			
Ammonia-Nitrogen	0.1	mg/L	3.0	9.6	4.1	4.4	3.3	3.2	3.6	3.1	2.9	2.9	3.6	3.4			
Nitrate-Nitrogen	0.2	mg/L	3.9	4.3	4.3	3.7	2.8	3.0	3.9	3.0	3.7	4.9	5.3	5.4			
pH	1	units	7.7	7.6	7.6	7.9	7.8	7.6	7.7	7.8	7.7	7.9	7.7	7.8			
Specific Cond	1	umho/cm	4460	3700	3700	3290	3500	3720	4270	4660	4040	4340	4750	4970			
Total Diss Solids	10	mg/L	2900	2590	2460	2500	2480	2490	2940	3330	2650	2770	3500	3220			
Total Susp Solids	5	mg/L	130	320	340	260	150	290	230	220	300	220	210	210	130	320	340
Volatile Susp Solids	5	mg/L	34	43	32	20	35	41	32	41	34	25	14	25			
Settlable Solids	0.1	mg/L	0.3	0.4	0.5	0.4	0.5	0.4	0.3	0.4	0.4	0.3	0.3	0.3			
Total Phosphorus	0.05	mg/L	1.5	1.2	1.2	1.2	1.1	0.99	1.0	1.1	1.1	1.1	1.4	1.5			
Turbidity	0.05	NTU	80	220	250	230	230	150	140	140	220	130	130	160	80	220	250
Metals																	
Arsenic	2	ug/L	3	ND	3	6	4	4	10	9	8	6	7	6			
Boron	100	ug/L	1000	910	820	800	770	890	530	1100	930	1100	1100	1200			
Cadmium	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Total Chromium	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	19	4	7	3			
Copper	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	3	6	6	6			
Lead	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Mercury	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Nickel	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	5	6	6	7			
Selenium	1.0	ug/L	ND	ND	3.80	3.74	3.24	3.42	4.17	4.10	3.94	2.93	4.43	4.11			
Silver	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Zinc	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	6	16	7	4			

										High	Low	Ave
										8.09	7.47	7.75
										11.04	3.44	6.58
										32	13.5	21.9
										4.85	3.65	4.24
										1000	440	842
										220	98	189
										110	48	90
										9.6	2.9	3.9
										5.4	2.8	4.0
										7.9	7.6	7.7
										4970	3290	4117
										3500	2460	2819
260	150	290	230	220	300	220	210	210	240	340	130	240
										43	14	31
										0.5	0.3	0.4
										1.5	0.99	1.2
230	230	150	140	140	220	130	130	160	173.33	250	80	173
										10	3	6
										1200	530	929
										ND	ND	ND
										19	3	8
										6	3	5
										ND	ND	ND
										ND	ND	ND
										7	5	6
										4.43	2.93	3.79
										ND	ND	ND
										16	4	8

New River

Water Quality Data Summary

1996

	Reporting Limit	Units	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	High	Low	Ave
			#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######			
Field Measured																	
pH		units	*7.58*	*8.09*	*7.73*	*7.47*	*7.80*	*7.92*	*7.71*	*7.75*	*7.75*	*7.86*	*7.65*	*7.71*	*8.09*	*7.47*	*7.75*
Dissolved Oxygen		mg/L	8.1		6.12	6.14	5.26	3.44	7.90	4.36	8.07	11.04	7.48	4.51	11.04	3.44	6.58
Temperature		deg C	13.7	13.5	17.7	24.0	23.2	29.9	30.7	32.0	28.0	16.6	18.0	15.0	32	13.5	21.9
Conductivity		mS	4.85	4.12	3.99	3.65	3.75	3.88	4.41	4.70	3.96	4.34	4.53	4.64	4.85	3.65	4.24
Inorganics																	
Total Hardness	3	mg/L	940	890	790	790	740	840	440	1000	850	920	910	990	1000	440	842
Calcium	1	mg/L	210	200	170	174	170	200	98	220	190	210	200	220	220	98	189
Magnesium	1	mg/L	100	95	83	84	77	84	48	110	90	96	97	110	110	48	90
Ammonia-Nitrogen	0.1	mg/L	3.0	9.6	4.1	4.4	3.3	3.2	3.6	3.1	2.9	2.9	3.6	3.4	9.6	2.9	3.9
Nitrate-Nitrogen	0.2	mg/L	3.9	4.3	4.3	3.7	2.8	3.0	3.9	3.0	3.7	4.9	5.3	5.4	5.4	2.8	4.0
pH	1	units	7.7	7.6	7.6	7.9	7.8	7.6	7.7	7.8	7.7	7.9	7.7	7.8	7.9	7.6	7.7
Specific Cond	1	umho/cm	4460	3700	3700	3290	3500	3720	4270	4660	4040	4340	4750	4970	4970	3290	4117
Total Diss Solids	10	mg/L	2900	2590	2460	2500	2480	2490	2940	3330	2650	2770	3500	3220	3500	2460	2819
Total Susp Solids	5	mg/L	130	320	340	260	150	290	230	220	300	220	210	210	340	130	240
Volatile Susp Solids	5	mg/L	34	43	32	20	35	41	32	41	34	25	14	25	43	14	31
Settlable Solids	0.1	mg/L	0.3	0.4	0.5	0.4	0.5	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.5	0.3	0.4
Total Phosphorus	0.05	mg/L	1.5	1.2	1.2	1.2	1.1	0.99	1.0	1.1	1.1	1.1	1.4	1.5	1.5	0.99	1.2
Turbidity	0.05	NTU	80	220	250	230	230	150	140	140	220	130	130	160	250	80	173
Metals																	
Arsenic	2	ug/L	3	ND	3	6	4	4	10	9	8	6	7	6	10	3	6
Boron	100	ug/L	1000	910	820	800	770	890	530	1100	930	1100	1100	1200	1200	530	929
Cadmium	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Chromium	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	19	4	7	3	19	3	8
Copper	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	3	6	6	6	6	3	5
Lead	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	5	6	6	7	7	5	6
Selenium	1.0	ug/L	ND	ND	3.80	3.74	3.24	3.42	4.17	4.10	3.94	2.93	4.43	4.11	4.43	2.93	3.79
Silver	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	6	16	7	4	16	4	8

New River

Water Quality Data Summary

	Units	Reporting Limit	Jan 1/27/98	Feb 2/24/98	Mar 3/17/98
Field Measurements					
pH	units		7.99	8.15	7.71
Dissolved Oxygen	mg/L		6.82	5.12	5.75
Temperature	deg C		15.9	17.0	19.2
Conductivity	mS		4.05	4.35	3.81
Inorganics					
Total Hardness	mg/L	3	850	NS	NS
Calcium	mg/L	1	190	NS	NS
Magnesium	mg/L	1	91	NS	NS
Ammonia-Nitrogen	mg/L	0.1	3.4	2.6	3.0
Nitrate-Nitrogen	mg/L	0.2	4.9	3.4	4.8
pH	units	1	8.3	NS	NS
Specific Conductance	umho/cm	1	4220	NS	NS
Total Dissolved Solids	mg/L	10	2710	2800	2620
Total Suspended Solids	mg/L	5	140	210	230
Volatile Suspended Solids	mg/L	5	36	27	36
Settlable Solids	mL/L	0.1	0.4	0.4	0.5
Total Phosphorus	mg/L	0.05	0.88	0.96	1.50
Turbidity	NTU	0.05	130	140	130
Metals					
Arsenic	ug/L	2	7	NS	NS
Boron	ug/L	100	890	NS	NS
Cadmium	ug/L	1	ND	NS	NS
Total Chromium	ug/L	2	14	NS	NS
Copper	ug/L	2	8	NS	NS
Lead	ug/L	2	ND	NS	NS
Mercury	ug/L	1	ND	NS	NS
Nickel	ug/L	2	8	NS	NS
Selenium	ug/L	2	3.70	3.26	3.82
Silver	ug/L	2	ND	NS	NS
Zinc	ug/L	2	6	NS	NS
Pesticides					
Chlorpyrifos	ug/L	0.05	0.03 J	ND	NS
Diazinon	ug/L	0.05	0.07	ND	NS
Malathion	ug/L	0.10	0.06 J	ND	NS
Carbaryl	ug/L	0.07	ND	ND	NS
Carbofuran	ug/L	0.07	ND	0.42	NS

ND = Not Detected at reportable limit
NS = Not Sampled
J = Estimated value, below quantitation limit

All American Canal at Drop 1

Water Quality Data Summary

1996

	Reporting Limit	Units	Jan #######	Feb #######	Mar #######	Apr #######	May #######	Jun #######	Jul #######	Aug #######	Sep #######	Oct #######	Nov #######	Dec #######	High	Low	Ave
Field Measurements																	
pH		units			8.33						8.27			8.04	8.33	8.04	8.21
Dissolved Oxygen		mg/L			9.55						7.46			8.04	9.55	7.46	8.35
Temperature		deg C			17.7						25.8			13.5	25.8	13.5	19.0
Conductivity		mS			1.18						1.23			1.29	1.29	1.18	1.23
Inorganics																	
Total Hardness	3	mg/L			360						350			370	370	350	360
Calcium	1	mg/L			90						84			89	90	84	88
Magnesium	1	mg/L			32						33			35	35	32	33
Ammonia-Nitrogen	0.1	mg/L			ND						ND			ND	ND	ND	ND
Nitrate-Nitrogen	0.2	mg/L			0.4						ND			ND	0.4	0.4	0.4
pH	1	units			8.2						8.1			8.2	8.2	8.1	8.2
Specific Cond	1	umho/cm			1110						1200			1300	1300	1110	1203
Total Diss Solids	10	mg/L			760						770			840	840	760	790
Total Susp Solids	5	mg/L			ND						5			5	5	5	5
Volatile Susp Solids	5	mg/L			ND						ND			ND	ND	ND	ND
Settlable Solids	0.1	mg/L			ND						ND			ND	ND	ND	ND
Total Phosphorus	0.05	mg/L			ND						0.05			ND	0.05	0.05	0.05
Turbidity	0.05	NTU			7.4						6.7			4.1	7.4	4.1	6.1
Metals																	
Arsenic	2	ug/L			2						3			2	3	2	2
Boron	100	ug/L			140						130			190	190	130	153
Cadmium	1	ug/L			ND						ND			ND	ND	ND	ND
Total Chromium	2	ug/L			ND						8			ND	8	8	8
Copper	2	ug/L			ND						ND			ND	ND	ND	ND
Lead	2	ug/L			ND						ND			ND	ND	ND	ND
Mercury	1	ug/L			ND						ND			ND	ND	ND	ND
Nickel	2	ug/L			ND						2			2	2	2	2
Selenium	1.0	ug/L			2.42						1.98			1.94	2.42	1.94	2.11
Silver	2	ug/L			ND						ND			ND	ND	ND	ND
Zinc	2	ug/L			ND						5			6	6	5	6

All American Canal at Drop 1

Water Quality Data Summary

1997

	Reporting Limit	Units	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	High	Low	Ave
			#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######			
Field Measurements																	
pH		units			8.33						8.27			8.04	8.33	8.04	8.21
Dissolved Oxygen		mg/L			9.55						7.46			8.04	9.55	7.46	8.35
Temperature		deg C			17.7						25.8			13.5	25.8	13.5	19.0
Conductivity		mS			1.18						1.23			1.29	1.29	1.18	1.23
Inorganics																	
Total Hardness	3	mg/L			360						350			370	370	350	360
Calcium	1	mg/L			90						84			89	90	84	88
Magnesium	1	mg/L			32						33			35	35	32	33
Ammonia-Nitrogen	0.1	mg/L			ND						ND			ND	ND	ND	ND
Nitrate-Nitrogen	0.2	mg/L			0.4						ND			ND	0.4	0.4	0.4
pH	1	units			8.2						8.1			8.2	8.2	8.1	8.2
Specific Cond	1	umho/cm			1110						1200			1300	1300	1110	1203
Total Diss Solids	10	mg/L			760						770			840	840	760	790
Total Susp Solids	5	mg/L			ND						5			5	5	5	5
Volatile Susp Solids	5	mg/L			ND						ND			ND	ND	ND	ND
Settlable Solids	0.1	mg/L			ND						ND			ND	ND	ND	ND
Total Phosphorus	0.05	mg/L			ND						0.05			ND	0.05	0.05	0.05
Turbidity	0.05	NTU			7.4						6.7			4.1	7.4	4.1	6.1
Metals																	
Arsenic	2	ug/L			2						3			2	3	2	2
Boron	100	ug/L			140						130			190	190	130	153
Cadmium	1	ug/L			ND						ND			ND	ND	ND	ND
Total Chromium	2	ug/L			ND						8			ND	8	8	8
Copper	2	ug/L			ND						ND			ND	ND	ND	ND
Lead	2	ug/L			ND						ND			ND	ND	ND	ND
Mercury	1	ug/L			ND						ND			ND	ND	ND	ND
Nickel	2	ug/L			ND						2			2	2	2	2
Selenium	1.0	ug/L			2.42						1.98			1.94	2.42	1.94	2.11
Silver	2	ug/L			ND						ND			ND	ND	ND	ND
Zinc	2	ug/L			ND						5			6	6	5	6

Alamo River

Water Quality Data Summary

1996

	Reporting Limit / Units		Jan ######	Feb ######	Mar ######	Apr ######	May ######	Jun ######	Jul ######	Aug ######	Sep ######	Oct ######	Nov ######	Dec ######	High	Low	Ave
Field Measured																	
pH		units	7.84	8.24	7.93	7.51	7.70	7.89	7.71	7.77	7.81	8.10	7.98	7.90	8.24	7.51	7.87
Dissolved Oxygen		mg/L	9.4	9.64	8.83	6.1	5.41	3.99	4.43	7.70	6.25	17.8	7.36	7.15	17.8	3.99	7.84
Temperature		deg C	12.2	12.5	17.8	22	23.4	28.5	31.3	31.0	27.6	16.0	17.2	12.5	31.3	12.2	21.0
Conductivity		mS	3.58	3.06	2.87	2.87	3.07	3.00	3.25	3.54	3.43	3.49	3.57	3.51	3.58	2.87	3.27
Inorganics																	
Total Hardness	3	mg/L	840	820	760	740	760	800	410	890	890	940	880	890	940	410	802
Calcium	1	mg/L	180	180	160	160	160	180	88	190	190	210	190	190	210	88	173
Magnesium	1	mg/L	93	90	83	82	85	85	47	100	100	100	100	100	100	47	89
Ammonia-Nitrogen	0.1	mg/L	1.4	2.5	2.1	2.2	1.0	1.6	1.3	1.0	0.5	0.3	1.4	0.8	2.5	0.3	1.3
Nitrate-Nitrogen	0.2	mg/L	7.9	7.0	6.3	5.2	5.0	5.2	5.2	5.3	5.7	7.7	7.7	8.2	8.2	5	6.4
pH	1	units	7.8	7.7	7.7	7.8	7.7	7.6	7.6	7.8	7.8	7.8	8.0	8.0	8	7.6	7.8
Specific Cond.	1.0	umho/cm	3310	2670	2740	2550	2980	2740	3240	3410	3430	3590	3640	3500	3640	2550	3150
Total Diss Solids	10	mg/L	2380	1920	1940	2000	2070	2040	2320	2670	2340	2410	2600	2400	2670	1920	2258
Total Susp Solids	5	mg/L	230	340	340	350	290	260	170	220	430	280	370	250	430	170	294
Volatile Susp Solids	5	mg/L	28	46	36	28	40	35	25	32	36	28	12	20	46	12	31
Settlable Solids	0.1	mL/L	0.2	0.4	0.5	0.3	0.3	0.3	0.3	0.3	0.4	0.2	0.2	0.2	0.5	0.2	0.3
Total Phosphorus	0.05	mg/L	0.60	1.0	1.0	0.81	1.0	0.68	0.25	0.46	0.77	0.73	0.67	0.50	1	0.25	0.71
Turbidity	0.05	NTU	190	300	280	280	210	170	120	150	270	89	260	240	300	89	213
Metals																	
Arsenic	2	ug/L	2	3	4	6	3	2	9	7	7	5	6	5	9	2	5
Boron	100	ug/L	600	510	480	400	490	530	320	660	630	700	660	650	700	320	#####
Cadmium	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Chromium	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	13	3	6	2	13	2	6
Copper	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	3	5	5	5	5	3	5
Lead	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	4	5	4	5	5	4	5
Selenium	1.0	ug/L	ND	ND	6.88	7.17	6.73	6.27	7.23	7.31	7.77	5.50	8.63	7.20	8.63	6.27	7.07
Silver	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	2	ug/L	ND	ND	ND	ND	ND	14	ND	ND	6	2	6	6	14	2	7

Alamo River

Water Quality Data Summ

1997

	Reporting Limit / Units		Jan #######	Feb #######	Mar #######	Apr #######	May #######	Jun #######	Jul #######	Aug #######	Sep #######	Oct #######	Nov #######	Dec #######			
Field Measured																	
pH		units	7.84	8.24	7.93	7.51	7.70	7.89	7.71	7.77	7.81	8.10	7.98	7.90			
Dissolved Oxygen		mg/L	9.4	9.64	8.83	6.1	5.41	3.99	4.43	7.70	6.25	17.8	7.36	7.15			
Temperature		deg C	12.2	12.5	17.8	22	23.4	28.5	31.3	31.0	27.6	16.0	17.2	12.5			
Conductivity		mS	3.58	3.06	2.87	2.87	3.07	3.00	3.25	3.54	3.43	3.49	3.57	3.51			
Inorganics																	
Total Hardness	3	mg/L	840	820	760	740	760	800	410	890	890	940	880	890			
Calcium	1	mg/L	180	180	160	160	160	180	88	190	190	210	190	190			
Magnesium	1	mg/L	93	90	83	82	85	85	47	100	100	100	100	100			
Ammonia-Nitrogen	0.1	mg/L	1.4	2.5	2.1	2.2	1.0	1.6	1.3	1.0	0.5	0.3	1.4	0.8			
Nitrate-Nitrogen	0.2	mg/L	7.9	7.0	6.3	5.2	5.0	5.2	5.2	5.3	5.7	7.7	7.7	8.2			
pH	1	units	7.8	7.7	7.7	7.8	7.7	7.6	7.6	7.8	7.8	7.8	8.0	8.0			
Specific Cond.	1.0	umho/cm	3310	2670	2740	2550	2980	2740	3240	3410	3430	3590	3640	3500			
Total Diss Solids	10	mg/L	2380	1920	1940	2000	2070	2040	2320	2670	2340	2410	2600	2400			
Total Susp Solids	5	mg/L	230	340	340	350	290	260	170	220	430	280	370	250	230	340	340
Volatile Susp Solids	5	mg/L	28	46	36	28	40	35	25	32	36	28	12	20			
Settlable Solids	0.1	mL/L	0.2	0.4	0.5	0.3	0.3	0.3	0.3	0.3	0.4	0.2	0.2	0.2			
Total Phosphorus	0.05	mg/L	0.60	1.0	1.0	0.81	1.0	0.68	0.25	0.46	0.77	0.73	0.67	0.50			
Turbidity	0.05	NTU	190	300	280	280	210	170	120	150	270	89	260	240	190	300	280
Metals																	
Arsenic	2	ug/L	2	3	4	6	3	2	9	7	7	5	6	5			
Boron	100	ug/L	600	510	480	400	490	530	320	660	630	700	660	650			
Cadmium	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Total Chromium	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	13	3	6	2			
Copper	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	3	5	5	5			
Lead	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Mercury	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Nickel	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	4	5	4	5			
Selenium	1.0	ug/L	ND	ND	6.88	7.17	6.73	6.27	7.23	7.31	7.77	5.50	8.63	7.20			
Silver	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Zinc	2	ug/L	ND	ND	ND	ND	ND	14	ND	ND	6	2	6	6			

										High	Low	Ave
										8.24	7.51	7.87
										17.8	3.99	7.84
										31.3	12.2	21.0
										3.58	2.87	3.27
										940	410	802
										210	88	173
										100	47	89
										2.5	0.3	1.3
										8.2	5	6.4
										8	7.6	7.8
										3640	2550	3150
										2670	1920	2258
350	290	260	170	220	430	280	370	250	294.17	430	170	294
										46	12	31
										0.5	0.2	0.3
										1	0.25	0.71
280	210	170	120	150	270	89	260	240	213.25	300	89	213
										9	2	5
										700	320	552.50
										ND	ND	ND
										13	2	6
										5	3	5
										ND	ND	ND
										ND	ND	ND
										5	4	5
										8.63	6.27	7.07
										ND	ND	ND
										14	2	7

Alamo River

Water Quality Data Summary

	Units	Reporting Limit	Jan 1/27/98	Feb 2/24/98	Mar 3/17/98
Field Measurements					
pH	units		8.33	8.41	7.94
Dissolved Oxygen	mg/L		8.05	5.87	6.90
Temperature	deg C		14.0	16.4	19.5
Conductivity	mS		3.13	4.09	3.02
Inorganics					
Total Hardness	mg/L	3	800	NS	NS
Calcium	mg/L	1	170	NS	NS
Magnesium	mg/L	1	90	NS	NS
Ammonia-Nitrogen	mg/L	0.1	1.5	1.3	2.1
Nitrate-Nitrogen	mg/L	0.2	6.7	7.2	7.4
pH	units	1	8.4	NS	NS
Specific Conductance	umho/cm	1	3090	NS	NS
Total Dissolved Solids	mg/L	10	2170	2780	2090
Total Suspended Solids	mg/L	5	280	140	330
Volatile Suspended Solids	mg/L	5	32	16	38
Settlable Solids	mL/L	0.1	0.3	0.2	0.5
Total Phosphorus	mg/L	0.05	0.46	0.49	1.40
Turbidity	NTU	0.05	190	120	250
Metals					
Arsenic	ug/L	2	6	NS	NS
Boron	ug/L	100	490	NS	NS
Cadmium	ug/L	1	ND	NS	NS
Total Chromium	ug/L	2	11	NS	NS
Copper	ug/L	2	6	NS	NS
Lead	ug/L	2	ND	NS	NS
Mercury	ug/L	1	ND	NS	NS
Nickel	ug/L	2	7	NS	NS
Selenium	ug/L	2	7.00	8.42	6.96
Silver	ug/L	2	ND	NS	NS
Zinc	ug/L	2	6	NS	NS
Pesticides					
Chlorpyrifos	ug/L	0.05	0.04 J	ND	NS
Diazinon	ug/L	0.05	0.15	ND	NS
Malathion	ug/L	0.10	ND	0.24	NS
Carbaryl	ug/L	0.07	ND	ND	NS
Carbofuran	ug/L	0.07	ND	0.13	NS

ND = Not Detected at reportable limit
NS = Not Sampled
J = Estimated value, below quantitation limit

Holtville Main Drain

Water Quality Data Summary

1996

	Reporting Limit	Units	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	High	Low	Ave
			#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######			
Field Measured																	
pH		units	8.05	8.03	7.99	7.86	7.98	7.89	7.80	7.53	7.73	7.91	7.95	8.05	8.05	7.53	7.90
Dissolved Oxygen		mg/L	10.4	10.11	9.43	8.56	7.88	5.66	11.72	11.6	16.35	13.60	9.44	7.86	16.35	5.66	10.22
Temperature		deg C	12.2	13.9	17.4	22.1	21.3	25.5	28.8	29.3	26.0	17.0	17.7	13.6	29.3	12.2	20.4
Conductivity		mS	3.79	3.16	3.09	2.97	2.88	2.98	3.05	3.09	2.99	3.55	3.38	3.35	3.79	2.88	3.19
Inorganics																	
Total Hardness	3	mg/L	820	820	780	760	690	760	390	790	810	950	840	820	950	390	769
Calcium	1	mg/L	180	180	170	167	150	170	85	170	180	210	180	180	210	85	169
Magnesium	1	mg/L	90	89	85	82	75	79	43	87	86	100	94	90	100	43	83
Ammonia-Nitrogen	0.1	mg/L	0.9	1.3	1.1	6	2.6	0.3	0.4	0.2	0.4	0.4	0.4	0.6	6	0.2	1.2
Nitrate-Nitrogen	0.2	mg/L	9.2	8.2	7.5	6.4	7.2	6.4	8.4	6.1	5.6	12	9.9	12	12	5.6	8.2
pH	1	units	8.0	8.0	7.9	8.0	8.0	7.9	7.9	8.1	8.0	7.9	8.1	8.2	8.2	7.9	8.0
Specific Cond	1	umho/cm	3220	2810	2900	2800	2680	2930	3020	3000	2940	3600	3410	3380	3600	2680	3058
Total Diss Solids	10	mg/L	2250	2140	2090	2050	1990	2090	2220	2380	2300	2680	2480	2210	2680	1990	2240
Total Susp Solids	5	mg/L	110	120	150	170	220	160	140	190	440	110	190	350	440	110	196
Volatile Susp Solids	5	mg/L	11	21	18	24	27	20	12	24	160	15	9	29	160	9	31
Settlable Solids	0.1	mg/L	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.5	0.9	0.1	0.2	0.2	0.9	0.1	0.3
Total Phosphorus	0.05	mg/L	0.37	1.5	0.46	0.97	0.51	0.47	0.4	0.29	0.51	0.2	0.35	0.35	1.5	0.2	0.53
Turbidity	0.05	NTU	95	130	130	99	160	120	94	130	260	73	120	140	260	73	129
Metals																	
Arsenic	2	ug/L	2	2	3	4	3	5	6	6	5	4	5	4	6	2	4
Boron	100	ug/L	600	630	570	500	520	600	330	670	690	740	710	680	740	330	603
Cadmium	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Chromium	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	9	4	5	3	9	3	5
Copper	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	3	5	5	5	5	3	5
Lead	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	4	5	4	5	5	4	5
Selenium	1.0	ug/L	ND	ND	6.56	5.16	4.66	4.85	4.99	5.04	4.64	4.30	6.06	5.67	6.56	4.3	5.19
Silver	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	7	2	10	7	10	2	7

Holtville Main Drain

Water Quality Data Summary

1997

	Reporting Limit	Units	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
			#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######			
Field Measured																	
pH		units	8.05	8.03	7.99	7.86	7.98	7.89	7.80	7.53	7.73	7.91	7.95	8.05			
Dissolved Oxygen		mg/L	10.4	10.11	9.43	8.56	7.88	5.66	11.72	11.6	16.35	13.60	9.44	7.86			
Temperature		deg C	12.2	13.9	17.4	22.1	21.3	25.5	28.8	29.3	26.0	17.0	17.7	13.6			
Conductivity		mS	3.79	3.16	3.09	2.97	2.88	2.98	3.05	3.09	2.99	3.55	3.38	3.35			
Inorganics																	
Total Hardness	3	mg/L	820	820	780	760	690	760	390	790	810	950	840	820			
Calcium	1	mg/L	180	180	170	167	150	170	85	170	180	210	180	180			
Magnesium	1	mg/L	90	89	85	82	75	79	43	87	86	100	94	90			
Ammonia-Nitrogen	0.1	mg/L	0.9	1.3	1.1	6	2.6	0.3	0.4	0.2	0.4	0.4	0.4	0.6			
Nitrate-Nitrogen	0.2	mg/L	9.2	8.2	7.5	6.4	7.2	6.4	8.4	6.1	5.6	12	9.9	12			
pH	1	units	8.0	8.0	7.9	8.0	8.0	7.9	7.9	8.1	8.0	7.9	8.1	8.2			
Specific Cond	1	umho/cm	3220	2810	2900	2800	2680	2930	3020	3000	2940	3600	3410	3380			
Total Diss Solids	10	mg/L	2250	2140	2090	2050	1990	2090	2220	2380	2300	2680	2480	2210			
Total Susp Solids	5	mg/L	110	120	150	170	220	160	140	190	440	110	190	350	110	120	150
Volatile Susp Solids	5	mg/L	11	21	18	24	27	20	12	24	160	15	9	29			
Settlable Solids	0.1	mg/L	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.5	0.9	0.1	0.2	0.2			
Total Phosphorus	0.05	mg/L	0.37	1.5	0.46	0.97	0.51	0.47	0.4	0.29	0.51	0.2	0.35	0.35			
Turbidity	0.05	NTU	95	130	130	99	160	120	94	130	260	73	120	140	95	130	130
Metals																	
Arsenic	2	ug/L	2	2	3	4	3	5	6	6	5	4	5	4			
Boron	100	ug/L	600	630	570	500	520	600	330	670	690	740	710	680			
Cadmium	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Total Chromium	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	9	4	5	3			
Copper	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	3	5	5	5			
Lead	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Mercury	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Nickel	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	4	5	4	5			
Selenium	1.0	ug/L	ND	ND	6.56	5.16	4.66	4.85	4.99	5.04	4.64	4.30	6.06	5.67			
Silver	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Zinc	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	7	2	10	7			

										High	Low	Ave
										8.05	7.53	7.90
										16.35	5.66	10.22
										29.3	12.2	20.4
										3.79	2.88	3.19
										950	390	769
										210	85	169
										100	43	83
										6	0.2	1.2
										12	5.6	8.2
										8.2	7.9	8.0
										3600	2680	3058
										2680	1990	2240
170	220	160	140	190	440	110	190	350	195.83	440	110	196
										160	9	31
										0.9	0.1	0.3
										1.5	0.2	0.53
99	160	120	94	130	260	73	120	140	129.25	260	73	129
										6	2	4
										740	330	603
										ND	ND	ND
										9	3	5
										5	3	5
										ND	ND	ND
										ND	ND	ND
										5	4	5
										6.56	4.3	5.19
										ND	ND	ND
										10	2	7

Holtville Main Drain

Water Quality Data Summary

	Units	Reporting Limit	Jan 1/27/98	Feb 2/24/98	Mar 3/17/98
Field Measurements					
pH	units		8.48	8.83	8.13
Dissolved Oxygen	mg/L		8.40	5.81	8.66
Temperature	deg C		14.6	16.8	18.8
Conductivity	mS		2.87	4.02	3.24
Inorganics					
Total Hardness	mg/L	3	720	NS	NS
Calcium	mg/L	1	150	NS	NS
Magnesium	mg/L	1	79	NS	NS
Ammonia-Nitrogen	mg/L	0.1	1	0.1	0.3
Nitrate-Nitrogen	mg/L	0.2	8.0	7.9	8.3
pH	units	1	8.4	NS	NS
Specific Conductance	umho/cm	1	2880	NS	NS
Total Dissolved Solids	mg/L	10	2060	2880	3020
Total Suspended Solids	mg/L	5	180	110	220
Volatile Suspended Solids	mg/L	5	ND	10	26
Settlable Solids	mL/L	0.1	0.3	0.1	0.3
Total Phosphorus	mg/L	0.05	0.23	0.22	1.60
Turbidity	NTU	0.05	150	90	190
Metals					
Arsenic	ug/L	2	6	NS	NS
Boron	ug/L	100	500	NS	NS
Cadmium	ug/L	1	ND	NS	NS
Total Chromium	ug/L	2	9	NS	NS
Copper	ug/L	2	6	NS	NS
Lead	ug/L	2	ND	NS	NS
Mercury	ug/L	1	ND	NS	NS
Nickel	ug/L	2	6	NS	NS
Selenium	ug/L	2	4.81	6.18	5.54
Silver	ug/L	2	ND	NS	NS
Zinc	ug/L	2	5	NS	NS
Pesticides					
Chlorpyrifos	ug/L	0.05	ND	ND	NS
Diazinon	ug/L	0.05	2.0	ND	NS
Malathion	ug/L	0.10	ND	ND	NS
Carbaryl	ug/L	0.07	ND	ND	NS
Carbofuran	ug/L	0.07	ND	ND	NS

ND = Not Detected at reportable limit
NS = Not Sampled

South Central Drain

Water Quality Data Summary

1997

	Reporting Limit	Units	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	High	Low	Ave
			#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######			
Field Measured																	
pH		units	*8.12*	*8.67*	*8.02*	*7.99*	*8.16*	*8.01*	*7.84*	*7.49*	*7.73*	*8.01*	*7.94*	*8.08*	*8.67*	*7.49*	*8.01*
Dissolved Oxygen		mg/L	11.1	10.54	6.95	8.55	7.27	4.44	9.79	10.47	11.4	14.26	9.25	7.88	14.26	4.44	9.33
Temperature		deg C	7.7	11.7	15.9	22.6	21.8	25.3	28.0	28.7	25.2	13.9	16.9	12.5	28.7	7.7	19.2
Conductivity		mS	2.5	2.73	3.47	3.07	2.99	2.61	3.09	3.77	3.19	3.00	3.29	3.13	3.77	2.5	3.07
Inorganics																	
Total Hardness	3	mg/L	710	720	960	860	830	720	440	1100	1000	890	990	920	1100	440	845
Calcium	1	mg/L	170	160	210	197	190	170	97	250	230	210	220	210	250	97	193
Magnesium	1	mg/L	71	76	100	87	85	72	46	120	100	88	100	97	120	46	87
Ammonia-Nitrogen	0.1	mg/L	2.7	14	1.1	7.6	5.0	7.7	4.9	1.3	1.3	2.7	1.6	4.4	14	1.1	4.5
Nitrate-Nitrogen	0.2	mg/L	10	8.7	11	8.4	6.1	6.1	6.7	9.7	8.2	13	12	15	15	6.1	10
pH	1	units	7.9	8.4	7.9	8.1	7.9	7.9	7.7	7.9	7.9	7.9	7.8	8.1	8.4	7.7	8.0
Specific Cond	1	umho/cm	2500	2450	3230	3000	2790	2600	2950	3790	3190	3040	3320	3290	3790	2450	3013
Total Diss Solids	10	mg/L	1710	1690	2430	2100	2230	1880	2220	3000	2640	2200	2320	2260	3000	1690	2223
Total Susp Solids	5	mg/L	580	450	200	380	300	300	190	120	250	320	240	360	580	120	308
Volatile Susp Solids	5	mg/L	49	49	17	19	32	28	19	11	130	37	19	32	130	11	37
Settlable Solids	0.1	mg/L	0.7	0.5	0.3	0.2	0.6	0.6	0.5	0.4	0.4	0.2	0.2	0.3	0.7	0.2	0.4
Total Phosphorus	0.05	mg/L	0.68	1.2	0.43	1.3	0.7	0.52	0.50	0.30	0.79	0.47	0.35	0.62	1.3	0.3	0.66
Turbidity	0.05	NTU	310	350	150	350	290	180	150	92	110	220	130	300	350	92	219
Metals																	
Arsenic	2	ug/L	ND	3	ND	4	3	4	8	5	5	3	4	4	8	3	4
Boron	100	ug/L	300	340	460	400	420	390	260	650	550	500	510	500	650	260	440
Cadmium	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Chromium	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	4	6	5	4	6	4	5
Copper	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	3	4	5	4	5	3	4
Lead	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	5	5	5	5	5	5	5
Selenium	1.0	ug/L	ND	ND	10.6	8.94	7.89	6.12	7.74	9.67	7.79	5.43	8.51	9.05	10.6	5.43	8.17
Silver	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	8	3	6	5	8	3	6

South Central Drain

Water Quality Data Summary

1996

	Reporting Limit	Units	Jan #######	Feb #######	Mar #######	Apr #######	May #######	Jun #######	Jul #######	Aug #######	Sep #######	Oct #######	Nov #######	Dec #######	High	Low	Ave
Field Measured																	
pH		units	8.12	8.67	8.02	7.99	8.16	8.01	7.84	7.49	7.73	8.01	7.94	8.08	8.67	7.49	8.01
Dissolved Oxygen		mg/L	11.1	10.54	6.95	8.55	7.27	4.44	9.79	10.47	11.4	14.26	9.25	7.88	14.26	4.44	9.33
Temperature		deg C	7.7	11.7	15.9	22.6	21.8	25.3	28.0	28.7	25.2	13.9	16.9	12.5	28.7	7.7	19.2
Conductivity		mS	2.5	2.73	3.47	3.07	2.99	2.61	3.09	3.77	3.19	3.00	3.29	3.13	3.77	2.5	3.07
Inorganics																	
Total Hardness	3	mg/L	710	720	960	860	830	720	440	1100	1000	890	990	920	1100	440	845
Calcium	1	mg/L	170	160	210	197	190	170	97	250	230	210	220	210	250	97	193
Magnesium	1	mg/L	71	76	100	87	85	72	46	120	100	88	100	97	120	46	87
Ammonia-Nitrogen	0.1	mg/L	2.7	14	1.1	7.6	5.0	7.7	4.9	1.3	1.3	2.7	1.6	4.4	14	1.1	4.5
Nitrate-Nitrogen	0.2	mg/L	10	8.7	11	8.4	6.1	6.1	6.7	9.7	8.2	13	12	15	15	6.1	10
pH	1	units	7.9	8.4	7.9	8.1	7.9	7.9	7.7	7.9	7.9	7.9	7.8	8.1	8.4	7.7	8.0
Specific Cond	1	umho/cm	2500	2450	3230	3000	2790	2600	2950	3790	3190	3040	3320	3290	3790	2450	3013
Total Diss Solids	10	mg/L	1710	1690	2430	2100	2230	1880	2220	3000	2640	2200	2320	2260	3000	1690	2223
Total Susp Solids	5	mg/L	580	450	200	380	300	300	190	120	250	320	240	360	580	120	308
Volatile Susp Solids	5	mg/L	49	49	17	19	32	28	19	11	130	37	19	32	130	11	37
Settlable Solids	0.1	mg/L	0.7	0.5	0.3	0.2	0.6	0.6	0.5	0.4	0.4	0.2	0.2	0.3	0.7	0.2	0.4
Total Phosphorus	0.05	mg/L	0.68	1.2	0.43	1.3	0.7	0.52	0.50	0.30	0.79	0.47	0.35	0.62	1.3	0.3	0.66
Turbidity	0.05	NTU	310	350	150	350	290	180	150	92	110	220	130	300	350	92	219
Metals																	
Arsenic	2	ug/L	ND	3	ND	4	3	4	8	5	5	3	4	4	8	3	4
Boron	100	ug/L	300	340	460	400	420	390	260	650	550	500	510	500	650	260	440
Cadmium	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Chromium	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	4	6	5	4	6	4	5
Copper	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	3	4	5	4	5	3	4
Lead	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nickel	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	5	5	5	5	5	5	5
Selenium	1.0	ug/L	ND	ND	10.6	8.94	7.89	6.12	7.74	9.67	7.79	5.43	8.51	9.05	10.6	5.43	8.17
Silver	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	8	3	6	5	8	3	6

South Central Drain

Water Quality Data Summary

	Units	Reporting Limit	Jan 1/27/98	Feb 2/24/98	Mar 3/17/98
Field Measurements					
pH	units		8.45	8.71	8.44
Dissolved Oxygen	mg/L		8.60	7.02	8.36
Temperature	deg C		11.3	13.9	15.9
Conductivity	mS		2.92	3.95	3.27
Inorganics					
Total Hardness	mg/L	3	850	NS	NS
Calcium	mg/L	1	190	NS	NS
Magnesium	mg/L	1	88	NS	NS
Ammonia-Nitrogen	mg/L	0.1	2.3	0.4	9.1
Nitrate-Nitrogen	mg/L	0.2	9.7	13.0	13.0
pH	units	1	8.4	NS	NS
Specific Conductance	umho/cm	1	2630	NS	NS
Total Dissolved Solids	mg/L	10	2130	2930	2620
Total Suspended Solids	mg/L	5	480	160	310
Volatile Suspended Solids	mg/L	5	40	21	50
Settlable Solids	mL/L	0.1	0.8	0.3	0.5
Total Phosphorus	mg/L	0.05	0.42	0.23	1.20
Turbidity	NTU	0.05	350	140	240
Metals					
Arsenic	ug/L	2	4	NS	NS
Boron	ug/L	100	370	NS	NS
Cadmium	ug/L	1	ND	NS	NS
Total Chromium	ug/L	2	12	NS	NS
Copper	ug/L	2	6	NS	NS
Lead	ug/L	2	ND	NS	NS
Mercury	ug/L	1	ND	NS	NS
Nickel	ug/L	2	7	NS	NS
Selenium	ug/L	2	8.25	11.36	10.34
Silver	ug/L	2	ND	NS	NS
Zinc	ug/L	2	6	NS	NS
Pesticides					
Chlorpyrifos	ug/L	0.05	ND	ND	NS
Diazinon	ug/L	0.05	0.09	ND	NS
Malathion	ug/L	0.10	ND	ND	NS
Carbaryl	ug/L	0.07	ND	ND	NS
Carbofuran	ug/L	0.07	0.06 J	0.35	NS

ND = Not Detected at reportable limit
NS = Not Sampled
J = Estimated value, below quantitation limit

Greeson Drain

Water Quality Data Summary

1996

	Reporting Limit	Units	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	*Dec	High	Low	Ave
			#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######			
Field Measured																	
pH		units	7.84	8.00	7.70	8.06	7.66	7.75	7.56	7.12	7.30	7.51	7.54	-	8.06	7.12	7.64
Dissolved Oxygen		mg/L	9.9	8.73	6.43	6.20	4.88	5.72	5.19	6.58	4.65	11.95	7.90	-	11.95	4.65	7.10
Temperature		deg C	10.8	17.8	14.9	22.4	22.5	28.3	27.8	30.0	25.4	15.5	15.0	-	30.0	10.8	20.9
Conductivity		mS	3.53	2.34	2.73	2.53	2.92	2.70	3.07	3.80	2.87	3.37	3.66	-	3.80	2.34	3.05
Inorganics																	
Total Hardness	3	mg/L	800	650	640	620	670	680	360	800	710	800	860	-	860	360	690
Calcium	1	mg/L	190	150	150	146	150	160	80	180	160	180	190	-	190	80	158
Magnesium	1	mg/L	80	65	65	60	68	65	38	82	74	83	90	-	90	38	70
Ammonia-Nitrogen	0.1	mg/L	0.8	7.0	3.8	9.0	1.7	5.5	9.2	3.3	7.8	5.5	0.5	-	9.2	0.5	4.9
Nitrate-Nitrogen	0.2	mg/L	5.3	5.2	4.7	4.3	3.2	4.2	3.3	4.1	2.6	4.1	5.0	-	5.3	2.6	4.2
pH	1	units	7.7	7.9	7.6	7.9	7.6	7.8	7.6	7.7	7.6	7.7	7.8	-	7.9	7.6	7.7
Specific Cond	1	umho/cm	3270	2200	2450	2500	2780	2710	2950	3330	2890	3410	3690	-	3690	2200	2925
Total Diss Solids	10	mg/L	2290	1490	1770	1680	1950	1850	2020	2410	2270	2130	2400	-	2410	1490	2024
Total Susp Solids	5	mg/L	88	150	220	310	220	190	190	280	160	59	140	-	310	59	182
Volatile Susp Solids	5	mg/L	13	25	27	20	28	24	18	40	18	13	7	-	40	7	21
Settlable Solids	0.1	mg/L	ND	0.2	0.3	0.3	0.7	0.3	0.5	0.7	0.4	0.2	0.1	-	0.7	0.1	0.4
Total Phosphorus	0.05	mg/L	0.25	1.3	1.1	0.82	0.91	0.52	0.63	0.58	0.38	0.22	0.26	-	1.3	0.22	0.63
Turbidity	0.05	NTU	86	140	180	260	180	140	140	180	140	45	130	-	260	45	147
Metals																	
Arsenic	2	ug/L	2	2	6	5	3	5	9	7	6	6	4	-	9	2	5
Boron	100	ug/L	500	350	370	400	430	420	240	560	470	590	570	-	590	240	445
Cadmium	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND
Total Chromium	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	10	5	5	-	10	5	7
Copper	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	3	5	5	-	5	3	4
Lead	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND
Mercury	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND
Nickel	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	4	5	4	-	5	4	4
Selenium	1.0	ug/L	ND	ND	4.56	4.50	5.20	4.83	4.99	6.01	4.43	3.58	6.14	-	6.14	3.58	4.92
Silver	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND
Zinc	2	ug/L	ND	ND	ND	ND	ND	ND	11	ND	7	5	6	-	11	5	7

* This site was unaccessable (muddy) during the December sampling period

Greeson Drain

Water Quality Data Summary

1997

	Reporting Limit	Units	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	*Dec	High	Low	Ave
			#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######			
Field Measured																	
pH		units	7.84	8.00	7.70	8.06	7.66	7.75	7.56	7.12	7.30	7.51	7.54	-	8.06	7.12	7.64
Dissolved Oxygen		mg/L	9.9	8.73	6.43	6.20	4.88	5.72	5.19	6.58	4.65	11.95	7.90	-	11.95	4.65	7.10
Temperature		deg C	10.8	17.8	14.9	22.4	22.5	28.3	27.8	30.0	25.4	15.5	15.0	-	30.0	10.8	20.9
Conductivity		mS	3.53	2.34	2.73	2.53	2.92	2.70	3.07	3.80	2.87	3.37	3.66	-	3.80	2.34	3.05
Inorganics																	
Total Hardness	3	mg/L	800	650	640	620	670	680	360	800	710	800	860	-	860	360	690
Calcium	1	mg/L	190	150	150	146	150	160	80	180	160	180	190	-	190	80	158
Magnesium	1	mg/L	80	65	65	60	68	65	38	82	74	83	90	-	90	38	70
Ammonia-Nitrogen	0.1	mg/L	0.8	7.0	3.8	9.0	1.7	5.5	9.2	3.3	7.8	5.5	0.5	-	9.2	0.5	4.9
Nitrate-Nitrogen	0.2	mg/L	5.3	5.2	4.7	4.3	3.2	4.2	3.3	4.1	2.6	4.1	5.0	-	5.3	2.6	4.2
pH	1	units	7.7	7.9	7.6	7.9	7.6	7.8	7.6	7.7	7.6	7.7	7.8	-	7.9	7.6	7.7
Specific Cond	1	umho/cm	3270	2200	2450	2500	2780	2710	2950	3330	2890	3410	3690	-	3690	2200	2925
Total Diss Solids	10	mg/L	2290	1490	1770	1680	1950	1850	2020	2410	2270	2130	2400	-	2410	1490	2024
Total Susp Solids	5	mg/L	88	150	220	310	220	190	190	280	160	59	140	-	310	59	182
Volatile Susp Solids	5	mg/L	13	25	27	20	28	24	18	40	18	13	7	-	40	7	21
Settlable Solids	0.1	mg/L	ND	0.2	0.3	0.3	0.7	0.3	0.5	0.7	0.4	0.2	0.1	-	0.7	0.1	0.4
Total Phosphorus	0.05	mg/L	0.25	1.3	1.1	0.82	0.91	0.52	0.63	0.58	0.38	0.22	0.26	-	1.3	0.22	0.63
Turbidity	0.05	NTU	86	140	180	260	180	140	140	180	140	45	130	-	260	45	147
Metals																	
Arsenic	2	ug/L	2	2	6	5	3	5	9	7	6	6	4	-	9	2	5
Boron	100	ug/L	500	350	370	400	430	420	240	560	470	590	570	-	590	240	445
Cadmium	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND
Total Chromium	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	10	5	5	-	10	5	7
Copper	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	3	5	5	-	5	3	4
Lead	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND
Mercury	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND
Nickel	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	4	5	4	-	5	4	4
Selenium	1.0	ug/L	ND	ND	4.56	4.50	5.20	4.83	4.99	6.01	4.43	3.58	6.14	-	6.14	3.58	4.92
Silver	2	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	ND	ND	ND
Zinc	2	ug/L	ND	ND	ND	ND	ND	ND	11	ND	7	5	6	-	11	5	7

* This site was unaccessable (muddy) during the December sampling period

Greeson Drain

Water Quality Data Summary

	Units	Reporting Limit	Jan 1/27/98	Feb 2/24/98	Mar 3/17/98
Field Measurements					
pH	units		8.32	8.50	7.98
Dissolved Oxygen	mg/L		7.70	5.67	6.38
Temperature	deg C		11.4	14.3	16.7
Conductivity	mS		2.94	3.03	2.76
Inorganics					
Total Hardness	mg/L	3	690	NS	NS
Calcium	mg/L	1	160	NS	NS
Magnesium	mg/L	1	71	NS	NS
Ammonia-Nitrogen	mg/L	0.1	1.1	0.1	5.1
Nitrate-Nitrogen	mg/L	0.2	5.1	3.6	5.7
pH	units	1	8.3	NS	NS
Specific Conductance	umho/cm	1	2620	NS	NS
Total Dissolved Solids	mg/L	10	1770	2020	1900
Total Suspended Solids	mg/L	5	260	200	250
Volatile Suspended Solids	mg/L	5	28	18	50
Settlable Solids	mL/L	0.1	0.4	0.3	0.3
Total Phosphorus	mg/L	0.05	0.15	0.43	4.60
Turbidity	NTU	0.05	180	170	250
Metals					
Arsenic	ug/L	2	5	NS	NS
Boron	ug/L	100	400	NS	NS
Cadmium	ug/L	1	ND	NS	NS
Total Chromium	ug/L	2	11	NS	NS
Copper	ug/L	2	6	NS	NS
Lead	ug/L	2	ND	NS	NS
Mercury	ug/L	1	ND	NS	NS
Nickel	ug/L	2	6	NS	NS
Selenium	ug/L	2	5.21	5.17	4.80
Silver	ug/L	2	ND	NS	NS
Zinc	ug/L	2	6	NS	NS
Pesticides					
Chlorpyrifos	ug/L	0.05	ND	ND	NS
Diazinon	ug/L	0.05	0.04 J	ND	NS
Malathion	ug/L	0.10	ND	ND	NS
Carbaryl	ug/L	0.07	ND	ND	NS
Carbofuran	ug/L	0.07	ND	ND	NS

ND = Not Detected at reportable limit
NS = Not Sampled
J = Estimated value, below quantitation limit

Rice 3 Drain

Water Quality Data Summary

	Units	Reporting Limit	Jan 1/27/98	Feb 2/24/98	Mar 3/17/98
Field Measurements					
pH	units		NS	8.45	8.08
Dissolved Oxygen	mg/L		NS	6.45	7.55
Temperature	deg C		NS	13.4	14.8
Conductivity	mS		NS	2.97	2.53
Inorganics					
Total Hardness	mg/L	3	NS	NS	NS
Calcium	mg/L	1	NS	NS	NS
Magnesium	mg/L	1	NS	NS	NS
Ammonia-Nitrogen	mg/L	0.1	NS	3.0	2.9
Nitrate-Nitrogen	mg/L	0.2	NS	2.6	3.2
pH	units	1	NS	NS	NS
Specific Conductance	umho/cm	1	NS	NS	NS
Total Dissolved Solids	mg/L	10	NS	1930	1750
Total Suspended Solids	mg/L	5	NS	180	530
Volatile Suspended Solids	mg/L	5	NS	24	68
Settlable Solids	mL/L	0.1	NS	0.2	0.3
Total Phosphorus	mg/L	0.05	NS	1.60	1.10
Turbidity	NTU	0.05	NS	160	550
Metals					
Arsenic	ug/L	2	NS	NS	NS
Boron	ug/L	100	NS	NS	NS
Cadmium	ug/L	1	NS	NS	NS
Total Chromium	ug/L	2	NS	NS	NS
Copper	ug/L	2	NS	NS	NS
Lead	ug/L	2	NS	NS	NS
Mercury	ug/L	1	NS	NS	NS
Nickel	ug/L	2	NS	NS	NS
Selenium	ug/L	2	NS	4.70	5.74
Silver	ug/L	2	NS	NS	NS
Zinc	ug/L	2	NS	NS	NS
Pesticides					
Chlorpyrifos	ug/L	0.05	NS	ND	NS
Diazinon	ug/L	0.05	NS	ND	NS
Malathion	ug/L	0.10	NS	ND	NS
Carbaryl	ug/L	0.07	NS	ND	NS
Carbofuran	ug/L	0.07	NS	0.13	NS

ND = Not Detected at reportable limit
NS = Not Sampled

U.S. Department of Interior
Bureau of Reclamation

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Date: March 26, 2001 No. of Pages: 11
(Include cover)

To: Teresa Newkirk Code:
State Water Resources Control Board

Telephone No.: (760) 776-8931
Facsimile No.: (760) 341-6820

From: Frank Macaluso Code: YAO-6210
Operations Division Ext.: # 8302
River Scheduling

Comments:

If you need further assistance, please call me at (520) 343-8302 or I can be reached by e-mail at fmacaluso@lc.usbr.gov.

These are 10 pages from the USGS Water Resources Data Book for Arizona in the year 1999. It's our latest book. USGS is the official data keeper for surface water quality in our region. If this data is what you are looking for, I will get you in contact with USGS in our region. They can send you an annual data book for your needs.

Teresa, I hope this helps you.

Regards.

09429490 COLORADO RIVER ABOVE IMPERIAL DAM, AZ-CA—Continued

WATER-QUALITY RECORDS

LOCATION.—Water samples collected below trash racks at All-American Canal headworks at west end of Imperial Dam.

PERIOD OF RECORD.—August 1969 to September 1992. August 1998 to current year.

PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: October 1988 to current year.
WATER TEMPERATURES: October 1974 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.—
SPECIFIC CONDUCTANCE: Maximum observed, 1,970 microsiemens Aug. 23, 1977, Jan. 12, 13, 1995; minimum observed, 668 microsiemens Sept. 12, 1986.
WATER TEMPERATURES: Maximum observed, 33.0°C Aug. 20, 1977, Aug. 28, 29, 1981; minimum recorded, 6.5°C Dec. 25, 26, 1990.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum recorded, 1,350 microsiemens Feb. 12; minimum recorded, 953 microsiemens Jan. 6.
WATER TEMPERATURES: Maximum recorded, 30.0°C July 16; minimum recorded, 10.5°C Jan. 10.

INSTRUMENTATION.—Specific conductance and water-temperature recorder October 1982 to current year.

REMARKS.—No record for specific conductance from Oct. 1 to Dec. 4 due to equipment failure. No record for temperature from Oct. 1 to Jan. 8 and from Aug. 6 to Sept. 30 due to equipment failure. More than 10% missing record.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	SAMPLE TYPE	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE AIR (DEG C) (00020)	TEMPERATURE WATER (DEG C) (00010)	TURBIDITY (NTU) (00076)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)
DEC										
16...	0900	ENVIRONMENTAL	16500	1020	8.2	21.0	12.2	3.2	775	9.8
16...	0910	CONCURRENT REPLICATE	16500	--	--	21.0	12.2	--	--	--
MAR										
24...	1000	ENVIRONMENTAL	11300	1060	8.4	24.0	17.5	3.1	760	9.3
24...	1010	CONCURRENT REPLICATE	11300	--	--	24.0	17.5	--	--	--
APR										
28...	0930	ENVIRONMENTAL	11800	1060	8.2	26.0	21.0	6.5	760	8.6
28...	0940	CONCURRENT REPLICATE	11800	--	--	25.0	21.0	--	--	--
MAY										
26...	0930	ENVIRONMENTAL	10700	1130	8.2	32.0	25.0	6.0	760	7.9
26...	0940	CONCURRENT REPLICATE	10700	1120	8.2	32.0	25.0	6.1	760	7.9
JUN										
30...	0930	ENVIRONMENTAL	11400	1060	8.3	36.0	28.0	2.5	757	7.5
30...	0940	CONCURRENT REPLICATE	11400	--	--	36.0	28.0	--	--	--
AUG										
25...	0930	ENVIRONMENTAL	9060	1100	8.2	37.0	30.0	1.6	760	7.3
25...	0940	CONCURRENT REPLICATE	9060	--	--	37.0	30.0	--	--	--

DATE	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	HARDNESS NONCARB DISSOLV FLD. AS CACO3 (MG/L) (00904)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	BICARBONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKALINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
DEC												
16...	90	310	170	75	28	95	2	4.2	171	0	140	240
16...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
24...	94	300	160	76	27	100	2	4.4	168	4	144	260
24...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
28...	97	300	160	77	27	99	2	4.3	176	0	144	250
28...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
26...	96	320	170	81	28	104	3	4.1	183	0	150	270
26...	96	320	170	81	28	105	3	4.1	183	0	150	270
JUN												
30...	97	300	160	75	27	97	2	4.0	177	0	145	250
30...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
25...	97	310	70	79	27	104	3	4.2	178	0	146	260
25...	--	--	--	--	--	--	--	--	--	--	--	--

09429490 COLORADO RIVER ABOVE IMPERIAL DAM, AZ-CA—Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)	SOLIDS, DISSOLVED (TONS PER AC-FT) (70303)	NITROGEN, NITRATE DISSOLVED (MG/L AS N) (00618)	NITROGEN, NITRATE DISSOLVED (MG/L AS NO3) (71851)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)
DEC												
16...	81	.33	9.2	642	622	.87	.186	.82	.023	.209	.042	.13
16	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
24...	92	.37	8.8	692	657	.94		--	<.010	.251	<.020	--
24	--	--	--	--	--	--	--	--	--	--	--	--
APR												
28	90	.35	8.9	688	648	.93	--	--	<.010	230	<.020	--
28...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
26...	97	.38	9.3	696	682	.95	--	--	<.010	.205	.022	.22
26	97	.37	9.3	716	684	.97	--	--	<.010	.208	.020	.25
JUN												
30	91	.35	9.0	674	649	.91	--	--	<.010	.170	<.020	--
30...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
25...	97	.34	10	684	671	.93	--	--	<.010	.165	<.020	--
25...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	NITROGEN, ORGANIC DISSOLVED (MG/L AS N) (00607)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, TOTAL (MG/L AS N) (00600)	NITROGEN DIS SOLVED (MG/L AS N) (00602)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DISSOLVED (MG/L AS P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	PHOSPHATE, ORTHO, DISSOLVED (MG/L AS PO4) (00660)	ALUMINUM, DISSOLVED (UG/L AS AL) (01106)	ANTIMONY, DISSOLVED (UG/L AS SB) (01095)	ARSENIC DISSOLVED (UG/L AS AS) (01000)
DEC												
16...	.09	.17	.13	.38	.34	.065	.014	.001	<.01	<1.0	<1.0	2
16...	--	--	--	--	--	--	--	--	--	--	--	--
MAR												
24...	--	.19	.17	.44	.43	.028	<.004	.001	<.01	3.7	<1.0	2
24...	--	--	--	--	--	--	--	--	--	--	--	--
APR												
28...	--	.20	.13	.44	.36	.029	<.004	.002	.01	--	--	2
28...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
26...	.18	.24	.20	44	40	023	<.004	.002	.01	--	--	3
26...	.18	.27	.20	.48	.41	.033	.004	.001	<.01	--	--	4
JUN												
30...	--	.22	.17	.39	.35	.017	<.004	.001	<.01	3.2	<1.0	3
30...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
25...	--	.32	.14	.49	.30	.015	<.004	<.001	--	6.2	<1.0	2
25...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	BARIUM, DISSOLVED (UG/L AS BA) (01005)	BERYLLIUM, DISSOLVED (UG/L AS BE) (01010)	BORON, DISSOLVED (UG/L AS B) (01020)	CADMIUM DISSOLVED (UG/L AS CD) (01025)	CHROMIUM, DISSOLVED (UG/L AS CR) (01030)	COBALT, DISSOLVED (UG/L AS CO) (01035)	COPPER, DISSOLVED (UG/L AS CU) (01040)	IRON, DISSOLVED (UG/L AS FE) (01046)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LITHIUM DISSOLVED (UG/L AS LI) (01130)	MANGANESE, DISSOLVED (UG/L AS MN) (01056)
DEC											
16...	104	<1.0	123	<1.0	3.7	<1.0	<1.0	<10	<1.0	44	6.2
16...	--	--	--	--	--	--	--	--	--	--	--
MAR											
24...	96	<1.0	138	<1.0	2.1	<1.0	1.5	<10	<1.0	42	1.5
24...	--	--	--	--	--	--	--	--	--	--	--
APR											
28...	--	--	141	--	--	--	--	<10	--	47	--
28...	--	--	--	--	--	--	--	--	--	--	--
MAY											
26...	--	--	147	--	--	--	--	<10	--	49	--
26...	--	--	148	--	--	--	--	<10	--	50	--
JUN											
30...	101	<1.0	135	<1.0	<1.0	<1.0	1.4	E7.3	<1.0	44	<1.0
30...	--	--	--	--	--	--	--	--	--	--	--
AUG											
25...	96	<1.0	150	<1.0	<1.0	<1.0	1.5	<10	<1.0	45	<1.0
25...	--	--	--	--	--	--	--	--	--	--	--

09429490 COLORADO RIVER ABOVE IMPERIAL DAM, AZ-CA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
DEC											
15...	5.1	2.1	1	<1.0	1060	<10	1.1	4.2	2.6	.70	6
16...	--	--	--	--	--	--	--	--	--	--	6
MAR											
24...	6.0	2.0	2	<1.0	1040	<10	6.9	4.8	2.6	.20	51
24...	--	--	--	--	--	--	--	--	--	--	54
APR											
28...	--	--	1	--	1010	<10	--	--	2.5	.40	32
28...	--	--	--	--	--	--	--	--	--	--	34
MAY											
26...	--	--	2	--	1060	<10	--	--	2.5	.30	55
26...	--	--	1	--	1070	<10	--	--	2.5	.30	--
JUN											
30...	5.8	2.2	2	<1.0	1020	<10	1.5	3.8	2.8	.20	49
30...	--	--	--	--	--	--	--	--	--	--	49
AUG											
25...	6.0	3.0	1	<1.0	1060	<10	6.7	3.4	2.7	.30	66
25...	--	--	--	--	--	--	--	--	--	--	69

DATE	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	D-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	BEN FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)
DEC											
16...	358	15900	-12.54	-102.8	<.0020	<.002	E.003	<.0020	<.0010	<.0020	<.0020
16...	329	16900	--	--	--	--	--	--	--	--	--
MAR											
24...	37	1130	-12.62	-102.6	<.0020	<.002	<.001	<.0020	<.0010	<.0020	<.0020
24...	31	946	--	--	--	--	--	--	--	--	--
APR											
28...	62	1980	--	--	<.0020	<.002	<.001	<.0020	<.0010	<.0020	<.0020
28...	55	1750	--	--	--	--	--	--	--	--	--
MAY											
26...	26	751	-12.57	-101.0	<.0020	<.002	<.001	<.0020	<.0010	<.0020	<.0020
26...	28	808	--	--	<.0020	<.002	E.003	<.0020	<.0010	<.0020	<.0020
JUN											
30...	13	585	-12.57	-103.1	<.0020	<.002	.005	<.0020	<.0010	<.0020	<.0020
30...	51	1570	--	--	--	--	--	--	--	--	--
AUG											
25...	13	318	-12.48	-101.4	<.0020	<.002	.006	<.0020	<.0010	<.0020	<.0020
25...	9	220	--	--	--	--	--	--	--	--	--

DATE	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	P,P'-DDE DISSOLV (UG/L) (34653)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DIAZ-INON DIS SRC WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DIBUL-FOTOL WATER FLTRD 0.7 U GF, REC (UG/L) (82677)
DEC											
16...	<.0030	<.0030	<.0040	<.0040	<.0020	<.0060	<.002	a115	<.001	<.0030	<.0170
16...	--	--	--	--	--	--	--	--	--	--	--
MAR											
24...	<.0030	E.0282	<.0040	<.0040	<.0020	<.0060	E.001	a90.8	<.001	<.0030	<.0170
24...	--	--	--	--	--	--	--	--	--	--	--
APR											
28...	<.0030	<.0030	<.0040	<.0040	<.0020	<.0060	<.002	a75.0	<.001	<.0030	<.0170
28...	--	--	--	--	--	--	--	--	--	--	--
MAY											
26...	<.0030	<.0030	<.0040	<.0040	<.0020	<.0060	<.002	a111	<.001	<.0030	<.0170
26...	<.0030	<.0030	<.0040	<.0040	<.0020	<.0060	<.002	a103	<.001	<.0030	<.0170
JUN											
30...	<.0030	<.0030	<.0040	<.0040	<.0020	<.0060	<.002	a117	<.001	<.0030	<.0170
30...	--	--	--	--	--	--	--	--	--	--	--
AUG											
25...	<.0030	<.0030	<.0040	<.0040	E.0018	<.0060	<.002	a115	<.001	<.0030	<.0170
25...	--	--	--	--	--	--	--	--	--	--	--

09429490 COLORADO RIVER ABOVE IMPERIAL DAM, AZ-CA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DISSOLVED (UG/L) (34253)	HCH ALPHA D6 SRC WAT FLT 0.7 U GF, REC PERCENT (91065)	LINDANE DISSOLVED (UG/L) (39341)	DIAZINON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALATHION, DISSOLVED (UG/L) (39532)	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METOLACHLOR DISSOLV (UG/L) (82630)
DEC									
16	< .0050	< .0030	< .0020	a75.3	< .004	< .0020	< .005	< .0060	< .004
16	--	--	--	--	--	--	--	--	--
MAR									
24	.0082	< .0030	< .0020	a87.0	< .004	< .0020	< .005	< .0060	< .004
24	--	--	--	--	--	--	--	--	--
APR									
28	< .0050	< .0030	< .0020	a71.1	< .004	< .0020	< .005	< .0060	< .004
28	--	--	--	--	--	--	--	--	--
MAY									
26	.0080	< .0030	< .0020	a109	< .004	< .0020	< .005	< .0060	< .004
26	.0047	< .0030	< .0020	a103	< .004	< .0020	< .005	< .0060	< .004
JUN									
30	< .0020	< .0030	< .0020	a89.8	< .004	< .0020	< .005	< .0060	< .004
30	--	--	--	--	--	--	--	--	--
AUG									
25	< .0020	< .0030	< .0020	a101	< .004	< .0020	< .005	< .0060	< .035
25	--	--	--	--	--	--	--	--	--

DATE	METOLACHLOR WATER DISSOLV (UG/L) (39415)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (82684)	PARATHION, DISSOLVED (UG/L) (39542)	PEBULATE WATER FILTRD 0.7 U GF, REC (82669)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (82683)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (82664)	PROMETON, WATER, DISS, REC (04037)	PROMACIDE WATER FLTRD GF, REC (82676)	PROPACHLOR, WATER, DISS, REC (04024)
DEC											
16	< .002	< .0040	< .0030	< .004	< .0040	< .0040	< .0050	< .0020	< .0180	< .0030	< .0070
16	--	--	--	--	--	--	--	--	--	--	--
MAR											
24	E.002	< .0040	< .0030	< .004	< .0040	< .0040	< .0050	< .0020	< .0180	< .0030	< .0070
24	--	--	--	--	--	--	--	--	--	--	--
APR											
28	< .002	< .0040	< .0030	< .004	< .0040	< .0040	< .0050	< .0020	< .0180	< .0030	< .0070
28	--	--	--	--	--	--	--	--	--	--	--
MAY											
26	< .002	< .0040	< .0030	< .004	< .0040	< .0040	< .0050	< .0020	< .0180	< .0030	< .0070
26	< .002	< .0040	< .0030	< .004	< .0040	< .0040	< .0050	< .0020	< .0180	< .0030	< .0070
JUN											
30	< .002	< .0040	< .0030	< .004	< .0040	< .0040	< .0050	< .0020	< .0180	< .0030	< .0070
30	--	--	--	--	--	--	--	--	--	--	--
AUG											
25	< .002	< .0040	< .0030	< .004	< .0040	< .0040	< .0050	< .0020	E.0080	< .0030	< .0070
25	--	--	--	--	--	--	--	--	--	--	--

DATE	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SIMAZINE, WATER, DISS, REC (04035)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (82670)	TERBACIL WATER FLTRD 0.7 U GF, REC (82665)	TERBUFOS WATER FLTRD 0.7 U GF, REC (82675)	TERBUTHYLAZINE SURROGT WAT FLT 0.7 U GF, REC PERCENT (91064)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
DEC										
16	< .0040	< .0130	< .0050	< .0100	< .0070	< .0130	a96.5	< .0020	< .0010	< .0020
16	--	--	--	--	--	--	--	--	--	--
MAR										
24	< .0040	< .0130	< .0050	< .0100	< .0070	< .0130	a98.4	< .0020	< .0010	< .0020
24	--	--	--	--	--	--	--	--	--	--
APR										
28	< .0040	< .0130	< .0050	< .0100	< .0070	< .0130	a82.6	< .0020	< .0010	< .0020
28	--	--	--	--	--	--	--	--	--	--
MAY										
26	< .0040	< .500	< .0050	< .0100	< .0070	< .0130	--	< .0020	< .0010	< .0020
26	< .0040	< .500	< .0050	< .0100	< .0070	< .0130	--	< .0020	< .0010	< .0020
JUN										
30	< .0040	< .0130	< .0050	< .0100	< .0070	< .0130	--	< .0020	< .0010	< .0020
30	--	--	--	--	--	--	--	--	--	--
AUG										
25	< .0040	< .0130	.0065	< .0100	< .0070	< .0130	--	< .0020	< .0010	< .0020
25	--	--	--	--	--	--	--	--	--	--

< Actual value is known to be less than the value shown.
E Estimated (for pesticide data, see introductory text section titled "Identifying Estimated Pesticide Concentrations").
a Listed values are recovery percentages for the indicated compounds. These compounds are added to the sample to determine the relative recovery of other organic compounds that are detected using the same analytical method.

09429490 COLORADO RIVER ABOVE IMPERIAL DAM, AZ-CA--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

Water-quality measurements in the following table were made as part of the National Stream-Quality Accounting Network. The following analyses are quality-assurance samples processed during the 1999 sampling period and are defined in the introductory text section titled "Water-Quality Control Data".

DATE	TIME	QUALITY ASSURANCE SAMPLE (TYPE)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SILICA DIS-SOLVED (MG/L AS SIO2) (00955)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHATE, ORTHO, DIS-SOLVED (MG/L AS PO4) (00660)
MAR											
24...	1008	FIELD BLANK	<.002	<.001	<.026	<.020	<.001	<.005	<.002	.001	.00
JUN											
30...	0938	FIELD BLANK	<.002	<.001	<.326	<.020	<.001	<.005	.004	.001	.00
AUG											
25...	0933	FIELD SPIKE	--	--	--	--	--	-	--	--	--

DATE	ALUM-INUM, DIS SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS SOLVED (UG/L AS SB) (01095)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
MAR												
24...	<.30	< 20	< 20	< 20	<2.0	<.30	< 20	<.20	<.20	<3.0	< 30	<.10
JUN												
30...	<.30	<.20	<.20	<.20	<2.0	<.30	< 20	<.20	<.20	<3.0	< 30	<.10
AUG												
25...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C) (00689)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS. REC. (UG/L) (46342)	ATRA-ZINE, WATER, DISS. REC (UG/L) (39632)	DEETHYL ATRA-ZINE, WATER, DISS. REC (UG/L) (04040)
MAR												
24...	<.20	<.50	<.20	<.10	<.50	<.20	<.10	<.20	--	--	--	--
JUN												
30...	<.20	<.50	< 20	<.10	<.50	<.20	<.10	<.20	--	--	--	--
AUG												
25...	--	--	--	--	--	--	--	--	.136	.137	.101	E.0590

DATE	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS. REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED REC (UG/L) (38933)	CYANA-ZINE, WATER, DISS. REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	P,P' DDE DISSOLV (UG/L) (34653)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DIAZ-INON DIG SRC WAT FLT 0.7 U GF, REC PERCENT (91063)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)
MAR												
24...	--	--	--	--	--	--	--	--	--	--	--	--
JUN												
30...	--	--	--	--	--	--	--	--	--	--	--	--
AUG												
25...	E.202	.0925	.114	E.129	E 137	.100	.133	.114	.0724	109	4117	.118

DATE	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DIFUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	HCH ALPHA D6 SRC WAT FLT 0.7 U GF, REC PERCENT (91065)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)
MAR											
24...	--	--	--	--	--	--	--	--	--	--	--
JUN											
30...	--	--	--	--	--	--	--	--	--	--	--
AUG											
25...	.0921	.0462	.133	.0878	.125	.113	.102	5103	.106	.139	.119

09429490 COLORADO RIVER ABOVE IMPERIAL DAM, AZ CA Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	METHYL PARA THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	NITRI- FENCOR WATER DISSOLV (UG/L) (82630)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FILTRD GF, REC (UG/L) (82669)	PENDI- METH ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)
MAR											
24	--	--	--	--	--	--	--	--	--	--	--
JUN											
30...											
AUG											
25...	.119	.133	.132	.111	E.149	.115	.109	.103	E.0753	.0543	.108

DATE	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
MAR											
24	--	--	--	--	--	--	--	--	--	--	--
JUN											
30	--	--	--	--	--	--	--	--	--	--	--
AUG											
25...	.116	E.138	E.138	E.136	.103	E.142	E.146	.0839	.119	.116	.101

< Actual value is known to be less than the value shown.
E Estimated (for pesticide data, see introductory text section titled "Identifying Estimated Pesticide Concentrations").
a Listed values are recovery percentages for the indicated compounds. These compounds are added to the sample to determine the relative recovery of other organic compounds that are detected using the same analytical method.

09429490 COLORADO RIVER ABOVE IMPERIAL DAM, AZ-CA—Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---				---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	11.2	10.8	10.9
10	---	---	---	---	---	---	---	---	---	10.9	10.5	10.7
11	---	---	---	---	---	---	---	---	---	11.2	10.6	10.8
12	---	---	---	---	---	---	---	---	---	11.5	11.0	11.2
13	---	---	---	---	---	---	---	---	---	11.8	11.3	11.5
14	---	---	---	---	---	---	---	---	---	11.9	11.4	11.6
15	---	---	---	---	---	---	---	---	---	11.7	11.3	11.5
16	---	---	---	---	---	---	---	---	---	12.0	11.5	11.7
17	---	---	---	---	---	---	---	---	---	12.2	11.5	11.8
18	---	---	---	---	---	---	---	---	---	13.0	11.9	12.3
19				---			---		---	13.5	13.0	13.0
20	---	---	---	---	---	---	---	---	---	14.2	13.0	13.6
21	---	---	---	---	---	---	---	---	---	14.5	13.7	14.1
22				---	---	---	---	---	---	14.2	13.5	13.8
23	---	---	---	---	---	---	---	---	---	13.9	13.3	13.6
24	---	---	---	---	---	---	---	---	---	13.7	13.3	13.5
25	---	---	---	---	---	---	---	---	---	13.6	13.0	13.3
26	---	---	---	---	---	---	---	---	---	13.0	12.0	12.5
27	---	---	---	---	---	---	---	---	---	13.0	12.2	12.7
28	---	---	---	---	---	---	---	---	---	12.6	11.9	12.1
29	---	---	---	---	---	---	---	---	---	12.2	11.4	11.9
30	---	---	---	---	---	---	---	---	---	12.5	11.5	12.0
31	---	---	---	---	---	---	---	---	---	12.7	11.7	12.2
MONTH	---	---	---	---	---	---	---	---	---	14.5	10.5	12.3
	FEBRUARY			MARCH			APRIL			MAY		
1	13.1	12.2	12.6	16.0	15.3	15.7	17.5	15.8	16.5	18.6	17.1	17.8
2	13.3	12.5	12.9	16.5	15.6	16.0	16.3	15.4	15.9	19.7	18.3	18.8
3	13.5	12.4	12.9	16.8	16.2	16.5	16.5	15.8	16.2	19.7	18.9	19.4
4	13.0	12.5	12.8	17.1	16.1	16.7	16.1	14.9	15.3	19.7	18.3	18.9
5	13.1	12.1	12.5	16.9	16.3	16.6	16.1	15.1	15.6	20.4	19.0	19.6
6	13.5	12.5	12.9	17.5	16.6	17.0	17.1	15.8	16.5	21.6	20.0	20.7
7	14.2	13.0	13.6	16.7	15.7	16.3	17.3	15.8	17.0	22.2	21.3	21.8
8	15.0	13.8	14.4	15.9	15.3	15.6	17.6	16.6	17.1	23.8	22.0	22.4
9	15.8	14.4	15.0	15.8	15.3	15.5	17.4	16.4	16.9	22.5	21.9	22.2
10	15.8	14.2	14.9	16.2	15.2	15.7	17.8	16.5	17.1	22.2	21.4	21.7
11	14.2	12.4	13.1	16.3	15.4	15.8	18.3	16.8	17.4	22.6	21.7	22.1
12	12.4	11.7	11.9	16.0	15.2	15.5	17.9	17.3	17.6	23.2	22.3	22.6
13	12.2	11.4	11.8	16.3	15.3	15.7	18.2	16.8	17.5	22.9	22.4	22.7
14	12.8	11.6	12.2	16.7	15.7	16.2	19.1	17.9	18.5	23.1	22.4	22.7
15	13.8	12.5	13.1	16.7	15.8	16.2	19.4	18.7	19.0	22.8	22.2	22.5
16	14.3	13.2	13.7	16.8	15.9	16.4	19.6	18.9	19.1	22.5	21.7	22.1
17	14.3	13.5	13.9	16.8	16.2	16.5	20.0	18.6	19.2	23.3	22.4	22.7
18	14.6	13.9	14.4	17.1	16.4	16.7	20.6	19.6	20.1	23.7	23.0	23.3
19	15.7	14.2	14.8	17.8	16.7	17.2	20.9	20.0	20.4	24.0	23.1	23.5
20	15.6	14.8	15.2	18.6	17.4	17.9	21.1	20.5	20.7	24.1	23.3	23.7
21	15.5	14.7	15.1	18.6	17.7	18.1	20.9	20.3	20.6	23.8	23.2	23.5
22	14.7	14.0	14.4	18.2	17.5	17.9	21.1	20.2	20.8	23.6	23.1	23.4
23	14.5	13.7	14.1	18.0	17.4	17.7	20.5	19.7	20.1	23.7	23.1	23.3
24	14.3	14.1	14.3	18.0	17.2	17.6	20.2	19.5	19.8	23.9	23.2	23.5
25	15.1	14.1	14.6	18.2	17.7	18.0	20.3	19.6	20.0	24.8	23.8	24.2
26	15.5	14.6	15.0	19.3	17.8	18.0	20.9	19.9	20.4	25.4	24.5	24.9
27	16.0	14.9	15.4	18.5	17.7	18.2	21.4	20.6	21.0	26.2	25.2	25.6
28	15.9	15.1	15.5	19.0	18.3	18.5	21.4	19.9	20.9	26.5	25.5	26.0
29	---	---	---	19.3	18.4	18.7	19.9	18.7	19.4	26.5	25.4	25.9
30	---	---	---	19.5	18.8	19.1	18.7	17.4	18.0	25.5	24.5	25.0
31	---	---	---	18.9	17.5	18.3	---	---	---	25.0	24.0	24.5
MONTH	16.0	11.4	13.8	19.5	15.2	17.0	21.4	14.9	18.5	26.5	17.1	22.6

09429490 COLORADO RIVER ABOVE IMPERIAL DAM, AZ-CA—Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	24.8	23.1	23.9	28.6	27.6	27.9	29.6	28.1	28.7	---	---	---
2	23.7	23.1	23.3	28.0	27.4	27.7	29.3	29.4	29.9	---	---	---
3	23.4	22.5	22.9	27.8	27.0	27.4	29.2	28.1	28.7	---	---	---
4	22.6	21.3	21.9	27.1	26.2	27.4	29.1	29.4	29.4	---	---	---
5	22.3	21.0	21.6	27.6	26.8	27.2	29.6	28.5	28.9	---	---	---
6	23.4	22.0	22.7	28.2	27.4	27.8	---	---	---	---	---	---
7	24.0	22.8	23.2	27.9	27.5	27.7	---	---	---	---	---	---
8	24.2	23.5	23.8	29.2	27.6	27.9	---	---	---	---	---	---
9	24.2	23.2	23.8	28.7	27.6	27.9				---	---	---
10	24.4	23.5	24.0	29.2	28.0	28.6	---	---	---	---	---	---
11	25.2	25.7	24.2	29.8	28.7	29.1	---	---	---	---	---	---
12	25.8	24.6	25.2	29.3	28.6	29.1	---	---	---	---	---	---
13	26.3	25.5	25.7	29.8	28.4	29.3	---	---	---	---	---	---
14	26.5	25.5	26.1	29.4	28.6	29.0	---	---	---	---	---	---
15	26.4	25.7	26.0	29.6	28.6	29.2	---	---	---	---	---	---
16	26.1	25.3	25.6	30.0	29.1	29.5	---	---	---	---		
17	26.2	25.5	25.9	30.2	29.2	29.5						
18	26.7	25.9	26.4	29.7	28.8	29.4	---	---	---	---	---	---
19	27.2	26.3	26.6	29.1	28.2	28.7						
20	27.8	27.0	27.4	29.2	28.3	28.7	---	---	---	---	---	---
21	27.1	26.1	26.8	28.9	28.1	28.5	---	---	---	---	---	---
22	26.5	25.8	26.2	29.2	28.2	28.7	---	---	---	---	---	---
23	26.6	25.7	26.1	29.1	28.1	28.6	---	---	---	---	---	---
24	26.8	26.0	26.4	29.6	28.3	29.0	---	---	---	---	---	---
25	27.1	26.3	26.7	29.3	28.6	29.0	---	---	---	---	---	---
26	27.1	26.4	26.9	29.9	28.6	29.3	---	---	---	---	---	---
27	27.5	26.7	27.0	29.3	28.1	28.8	---	---	---	---	---	---
28	27.2	26.7	27.0	28.1	27.7	27.9	---	---	---	---	---	---
29	27.8	26.8	27.3	27.9	26.9	27.4	---	---	---	---	---	---
30	28.1	27.1	27.6	28.6	27.5	28.0	---	---	---	---	---	---
31	---	---	---	29.2	28.1	28.6	---	---	---	---	---	---
MONTH	28.1	21.0	25.3	30.0	26.8	28.5	29.6	28.1	28.8	---	---	---

SPECIFIC CONDUCTANCE, US/CM AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	1030	993	---
2	---	---	---	---	---	---	---	---	---	1010	960	---
3	---	---	---	---	---	---	---	---	---	1060	981	---
4	---	---	---	---	---	---	---	---	---	1050	1030	---
5	---	---	---	---	---	---	1080	1060	---	1030	978	---
6	---	---	---	---	---	---	1070	1060	---	988	953	---
7	---	---	---	---	---	---	1070	1060	---	1090	1030	---
8	---	---	---	---	---	---	1080	1060	---	1070	1000	---
9	---	---	---	---	---	---	1050	1020	---	1080	966	1020
10	---	---	---	---	---	---	1050	1030	---	1020	966	996
11	---	---	---	---	---	---	1070	1050	---	1040	993	1020
12	---	---	---	---	---	---	1060	1040	---	1040	1000	1020
13	---	---	---	---	---	---	1040	1030	---	1020	1000	1010
14	---	---	---	---	---	---	1030	1020	---	1020	1000	1010
15	---	---	---	---	---	---	1050	1030	---	1030	1000	1010
16	---	---	---	---	---	---	1020	989	---	1130	1020	1080
17	---	---	---	---	---	---	1010	1020	---	1150	1010	1080
18	---	---	---	---	---	---	1100	1020	---	1170	1140	1160
19	---	---	---	---	---	---	1050	994	---	1180	1130	1160
20	---	---	---	---	---	---	1010	974	---	1200	1150	1170
21	---	---	---	---	---	---	1020	996	---	1180	1130	1150
22	---	---	---	---	---	---	1030	958	---	1260	1140	1190
23	---	---	---	---	---	---	1050	1030	---	1290	1240	1260
24	---	---	---	---	---	---	1040	1030	---	1300	1270	1280
25	---	---	---	---	---	---	1030	1020	---	1270	1230	1240
26	---	---	---	---	---	---	1020	1000	---	1230	1140	1170
27	---	---	---	---	---	---	1000	974	---	1190	1140	1170
28	---	---	---	---	---	---	1010	980	---	1260	1180	1210
29	---	---	---	---	---	---	1000	979	---	1260	1180	1210
30	---	---	---	---	---	---	1010	993	---	1270	1180	1190
31	---	---	---	---	---	---	1040	984	---	1220	1160	1180
MONTH	---	---	---	---	---	---	1100	958	---	1300	953	---

09429490 COLORADO RIVER ABOVE IMPERIAL DAM, AZ-CA--Continued

SPECIFIC CONDUCTANCE, MICROMHOS AT 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1230	1180	1200	1130	1040	1090	1080	983	1030	1170	1040	1110
2	1210	1160	1190	1100	1040	1070	1100	1000	1050	1080	1020	1050
3	1200	1160	1170	1140	1050	1090	1100	1030	1070	1110	1020	1060
4	1200	1130	1170	1130	1040	1090	1100	1030	1060	1100	1010	1050
5	1210	1160	1190	1120	1040	1080	1120	1010	1060	1110	1040	1070
6	1210	1150	1180	1180	1080	1140	1090	996	1040	1180	1080	1130
7	1250	1200	1240	1160	1060	1110	1060	986	1020	1170	1070	1120
8	1240	1170	1200	1150	1050	1100	1110	1020	1060	1150	1070	1120
9	1260	1180	1210	1150	998	1070	1100	1040	1080	1110	992	1060
10	1270	1220	1240	1080	998	1040	1130	1060	1100	1050	992	1020
11	1300	1250	1270	1100	1030	1050	1150	1040	1100	1040	1000	1040
12	1350	1260	1290	1080	982	1030	1070	1030	1050	1110	998	1060
13	1350	1240	1270	1080	982	1040	1070	1030	1050	1100	990	1040
14	1260	1170	1200	1080	1010	1050	1140	1020	1080	1120	990	1040
15	1220	1170	1190	1100	1010	1050	1120	1000	1060	1110	988	1050
16	1210	1140	1180	1090	994	1040	1110	1000	1070	1050	985	1010
17	1140	1090	1120	1080	998	1030	1160	1040	1110	1130	994	1060
18	1200	1100	1170	1080	991	1030	1130	1050	1100	1090	1000	1050
19	1140	1100	1110	1140	1030	1100	1140	1030	1080	1070	991	1020
20	1220	1170	1170	1180	1090	1140	1130	1010	1070	1100	996	1050
21	1190	1100	1140	1160	1030	1100	1100	1010	1060	1070	994	1030
22	1150	1090	1130	1130	1010	1070	1110	996	1050	1140	1020	1080
23	1170	1100	1130	1080	1010	1040	1110	1020	1060	1100	1000	1050
24	1180	1080	1140	1100	1020	1050	1150	1010	1080	1080	983	1030
25	1160	1080	1110	1150	1020	1080	1090	991	1040	1100	994	1040
26	1180	1080	1130	1160	1030	1100	1050	973	1010	1130	1020	1060
27	1200	1100	1150	1170	1060	1120	1060	979	1020	1180	1050	1110
28	1140	1080	1110	1180	1030	1130	1080	1000	1040	1170	1040	1100
29	---	---	---	1140	1030	1080	1150	1010	1060	1140	1030	1080
30	---	---	---	1140	1030	1080	1130	1030	1070	1150	1040	1080
31	---	---	---	1130	1010	1070	---	---	---	1140	1020	1070
MONTH	1350	1080	1180	1180	982	1080	1160	973	1060	1180	983	1060
		JUNE			JULY			AUGUST			SEPTEMBER	
1	1120	999	1060	1110	1020	1060	1210	1110	1160	1110	1030	1070
2	1120	1000	1060	1160	1020	1080	1130	1010	1080	1140	1060	1100
3	1140	1040	1080	1140	1030	1090	1090	1020	1060	1080	1010	1060
4	1160	1040	1100	1170	1030	1100	1030	1020	1070	1140	969	1090
5	1110	1050	1080	1090	1020	1050	1170	1060	1120	1120	1060	1100
6	1190	1060	1140	1110	1020	1060	1120	1030	1080	1100	1020	1070
7	1060	979	1010	1100	1000	1040	1110	1030	1080	1090	1010	1050
8	1130	999	1060	1090	1020	1050	1130	1050	1100	1080	1030	1050
9	1030	991	1010	1110	1010	1060	1080	1030	1050	1090	1020	1050
10	1080	977	1030	1140	1020	1100	1100	1030	1060	1080	1010	1040
11	1060	997	1030	1090	1010	1060	1090	1040	1060	1080	997	1050
12	1130	1030	1090	1090	1010	1050	1100	1030	1060	1100	1030	1070
13	1130	990	1060	1100	1020	1060	1080	1030	1050	1070	989	1030
14	1100	984	1030	1090	1010	1050	1150	1030	1100	1050	990	1030
15	1090	984	1030	1110	1030	1070	1170	1040	1120	1070	983	1030
16	1070	1000	1030	1160	1060	1110	1080	1040	1060	1060	981	1020
17	1100	1010	1050	1180	1080	1140	1100	1040	1080	1060	988	1020
18	1110	997	1050	1190	1080	1130	1100	1060	1080	1070	990	1040
19	1110	1000	1070	1090	1030	1060	1120	1070	1090	1030	985	1010
20	1170	1020	1100	1120	1030	1070	1130	1070	1100	1020	958	989
21	1090	1000	1040	1080	1020	1050	1140	1060	1110	1040	965	999
22	1130	1000	1050	1120	1020	1070	1170	1050	1120	1050	971	1010
23	1100	994	1040	1090	1020	1060	1110	1040	1080	1040	969	1000
24	1070	1000	1040	1120	1040	1090	1100	1030	1060	1040	968	1000
25	1110	1000	1050	1080	1000	1050	1110	1030	1080	1060	976	1040
26	1140	1030	1090	1090	1010	1050	1150	1060	1120	1040	962	1000
27	1110	997	1050	1080	1000	1040	1150	1100	1120	1040	973	1010
28	1100	993	1030	1090	983	1040	1190	1100	1150	1040	983	1010
29	1090	992	1030	1030	982	1010	1150	1070	1130	1040	1000	1030
30	1090	1020	1050	1100	1010	1060	1120	1040	1080	1040	1020	1020
31	---	---	---	1110	1010	1060	1110	1030	1080	---	---	---
MONTH	1190	977	1050	1190	982	1070	1210	1010	1090	1140	958	1040

09429600 COLORADO RIVER BELOW IMPERIAL DAM, AZ-CA

LOCATION.--Forebay gage, Lat. 32°52'59", long 114°27'57", in NW¼SW¼ sec.2, T.15 S., R.24 E., San Bernardino meridian, in Imperial County, California, Hydrologic Unit 15030107, near All-American Canal headworks at east (revised) end of Imperial Dam, 5 mi upstream from Laguna Dam, 15 mi northeast of Yuma, AZ, 90 mi downstream from Palo Verde Dam, and 147 mi downstream from Parker Dam.

DRAINAGE AREA.--188,500 mi^2, approximately, including 3,959 mi^2 in Great Divide basin in southern Wyoming, which is noncontributing.

PERIOD OF RECORD.--October 1960 to current year. Prior to October 1971 published as "at Imperial Dam." Records of flow reaching Imperial Dam, formerly published with this station, are now published separately as sta 09429490, "Colorado River above Imperial Dam."

GAGE.--Water-stage recorder in forebay, 12 calibrated gates on California sluiceway, 6 calibrated gates on Gila sluiceway, and calibrated manometer on each discharge pipe from desilting basin. Datum of forebay gage is 162.00 ft, U.S. Bureau of Reclamation datum. Prior to Aug. 21, 1991, forebay gage located at west end of Imperial Dam at same datum.

REMARKS.--No estimated daily discharges. Records good. Records of daily discharge show flow of Colorado River passing Imperial Dam, and include water released to river through California and Gila sluiceways, sludge from desilting basins returned to river, and leakage through dam. For records of flow reaching Imperial Dam see sta 09429490. Flow of Colorado River is regulated by many reservoirs, principally Lake Mead, since 1935. Many diversions from Colorado River and tributaries above station. Diversion to Mittry Lake and month-end contents of Senator Wash Reservoir also are published with sta 09429490.

COOPERATION.--Records of gate openings and sludge return flow from desilting basins furnished by Imperial Irrigation District.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 30,200 ft^3/s Aug. 18, 19, 1983; minimum daily, 27 ft^3/s Dec. 15-18, 1968.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	390	1070	2310	5190	505	1070	390	701	410	410	410	400
2	390	1120	2310	2850	634	[illegible]	1170	1070	410	410	467	400
3	390	1480	2310	2610	642	550	467	1270	410	719	749	400
4	390	1450	[illegible]	927	813	326	332	1150	410	675	410	400
5	391	1370	2310	410	1720	410	775	410	410	410	410	400
6	390	1450	2310	410	2380	410	1200	410	390	410	410	400
7	528	777	2310	410	2030	656	1160	410	2670	410	410	400
8	579	392	2310	410	2170	390	390	410	3440	410	410	400
9	532	392	2310	692	1570	453	390	410	3620	468	400	400
10	390	580	2380	1340	844	330	330	530	3500	410	400	400
11	393	580	3030	1010	290	330	390	537	2090	410	400	400
12	531	390	2740	1190	290	390	410	534	1780	410	400	400
13	531	390	3680	927	290	390	663	410	1780	410	400	400
14	390	390	2870	962	671	1410	449	410	1330	410	400	400
15	533	390	3440	1360	836	933	525	691	581	410	710	400
16	530	390	3720	596	290	714	702	814	410	410	673	400
17	390	578	3680	520	496	581	701	558	410	410	400	400
18	390	579	3650	410	291	390	700	410	410	410	582	400
19	531	578	3070	528	290	390	698	420	410	640	400	400
20	530	390	2990	412	290	390	696	410	410	442	400	400
21	390	390	2650	290	938	390	699	410	410	420	400	400
22	390	331	2950	290	305	390	699	410	410	410	624	400
23	390	579	2770	290	290	390	693	735	410	410	587	400
24	390	390	4180	347	290	390	698	627	410	410	633	400
25	390	788	5120	378	410	330	700	875	420	410	734	400
26	390	2290	3660	408	444	390	699	491	410	410	665	400
27	390	1990	3820	378	410	390	702	410	611	410	400	986
28	531	2220	3250	290	804	400	912	410	410	469	400	1390
29	531	2250	3790	353	---	390	774	410	410	1100	643	572
30	751	1360	4090	405	---	390	697	410	410	728	534	400
31	827	---	4630	1610	---	390	---	410	---	410	400	---
TOTAL	14438	27984	96460	28273	21083	16028	19895	17614	30032	14671	15260	13748
MEAN	466	933	3112	912	753	517	663	568	1001	473	492	458
MAX	827	2290	5120	5190	2380	1410	1200	1270	3620	1100	748	1390
MIN	390	390	2310	290	290	390	390	410	410	410	400	400
AC-FT	28640	55510	191300	56080	41820	31790	39460	34940	59570	29100	30270	27270

CAL YR 1998 TOTAL 772048 MEAN 2115 MAX 7560 MIN 390 AC-FT 1531000
WTR YR 1999 TOTAL 315476 MEAN 864 MAX 5190 MIN 290 AC-FT 625700

From: "Deana Benally" <DBENALLY@lc.usbr.gov>
To: <newkt@rb7.swrcb.ca.gov>
Date: 4/6/01 12:31PM
Subject: Water Quality Information

Steve Muth has asked me to forward some information about the water quality information. Next week, I'll be gathering more information from our lab, but for now, I've got information about the Brawley Wetlands Projects. I do not know if this is the kind of information you were looking for. As soon I get all the information together, I'll two hard copies of the data and a disk. The attach information is Excel.
If you have any questions, please feel free to call me. 702.293.8155.

Thank you
Deana Benally

Brawley, California Wetlands Project---Brawley Wetlands Site Water Analysis--Imperial County Public Health Service						
Date of Collection	Date of Results	Site	Total Coliform Present MPN by MTF	Fecal Coliform Present MPN by MTF	Standard Plate Count 190000 CFU/1ml SPC/HPC	Comments
05/16/00	05/19/2000	Brly. Wetlands @ Sed. Pond	300 mpn/100ml water	17mpn/100ml water	No Analysis	under construction
07/12/00	07/15/2000	Brly. Wetlands @ New River	50,000 mpn/100ml water	130 mpn/100ml water	190,000/1ml	
09/21/00	9/24/00 09/23/00	Brly. Wetlands @ New River	30,000mpn/100ml water	3,000 mpn/100ml water		
09/21/00	09/24/2000	Brly. Wetlands @ Pond 3	170 mpn/100ml water	4 mpn/100ml water	1,400/1ml	
10/26/00	10/30/00 10/30/00	Brly. Wetlands @ New River	90,000 mpn/100ml water	13,000 mpn/100ml water	180,000/1ml	8:26 am E. coli count: 8,000 MPN per 100ml
10/26/2000	10/30/00 10/28/00	Brly. Wetlands @ Pond -3	23 mpn/100ml water	4 mpn/100ml water	800/1ml	8:23 am E. coli count 2 MPN per 100ml
			New River Water Pumped into Wetlands as of 12/00 ???			
12/06/00	12/09/2000	Brly. Wetlands @ New River	160000 MPN/100ml water	220 MPN/100ml water	no analysis	1:00 pm E. coli by MUG, MPN/ml=140 ls
12/06/2000	12/09/2000	Brly. Wetlands@ Pond-3	17 MPN/100ml water	17 MPN/ 100ml water	no analysis	1:00 pm E. coli by MUG, MPN/ml<2.ls
02/07/2001	02/10/2001	Brly.Wetlands@ New River	>=16,000 MPN/100ml water	5,000 MPN/100ml water	980,000/1ml	E. coli by MUG, MPN/100ml=5,000 ls
02/07/2001	02/10/2001	Brly. Wetlands@ Pond-3	>=16,000 MPN/100ml water	1,400 MPN/100ml water	4,400 MPN/1ml	E. coli by MUG, MPN/100ml=1,400 ls
03/04/2001	03/03/2001	New River Wetland, intake	300000 MPN/100ml water	30000 MPN/100ml water	580000/1 ml	12:01 pm E.coli by MUG, MPN/100ml=23000.
03/04/2001	03/04/2001	Brawley Wetland, Pond#3	17000 MPN/100ml water	700 MPN/100ml water	31000/1 ml	1000 am E. coli by MUG, MPN/100ml=7

BRLYwetColi

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Date: 4/6/01 12:31PM
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Thank you
Deana Benally

From: "Deana Benally" <DBENALLY@lc.usbr.gov>
To: <newkt@rb7.swrcb.ca.gov>
Date: 5/8/01 8:27AM
Subject: state water quality information request

Teresa,

Good morning, I apologize for sending this information to you late. We had to research through old files and that took much of our time. All our files are in one big file so we had to go through each one of them . I hope what information we have for you will be helpful to the California State Water Resources Control Board. If you have any questions or want more information then please feel free to call me on Monday the 21th. My phone . number is 702 293 8155. However I am going to be out of the office Wednesday, May 9th to Friday, May, 18th, 2001. Steve Muth will be in the office until Thursday May 10th. so you can reach him if you have any questions.

Thank you again
Deana Benally

From: "Deana Benally" <DBENALLY@lc.usbr.gov>
To: <newkt@rb7.swrcb.ca.gov>
Date: 5/9/01 10:20AM
Subject: more information

Teresa, Here is more information.
Steve wanted to know if you still want a disk with all this information on it.
Deana

From: "Deana Benally" <DBENALLY@lc.usbr.gov>
To: <newkt@rb7.swrcb.ca.gov>
Date: 5/21/01 10:32AM
Subject: State Water Quality Information

During the week of May 7, 2001 I've emailed the following information to your office. The two data are in the EXCEL DB and they are Brawley, CA Wetlands coliform information and Colorado River salinity data. The Colorado River Salinity data is between the areas below Parker Dam and Imperial Dam.

If you have any questions, please feel free to contact Steve Muth at 702 293 8119.

Deana Benally

CC: "Steve Muth" <SMUTH@lc.usbr.gov>

From: "Deana Benally" <DBENALLY@lc.usbr.gov>
To: <newkt@rb7.swrcb.ca.gov>
Date: 5/9/01 10:20AM
Subject: more information

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Deana

LAB_NO	STA_CODE	SDATE	TIME	RDATE	ADATE	EC	TDS	SAMPL_BY	DESCRIPT	TEMP	PH
990228	STA1	11199	859	12299	30199	###	0		PALO VERDE, 23RD AVE	58	7.4
990229	STA2	11199	933	12299	30199	###	0		PALO VERDE, 30TH AVE	58	7.8
990230	STA3	11199	1030	12299	30199	###	0		PALO VERDE, 100' D/S, 34TH AVE	62	7.9
990231	STA4	11199	939	12299	30199	###	0		HODGES, 30TH AVE	61	7.5
990232	STA5	11199	1017	12299	30199	###	0		HODGES 34TH AVE	56	7.6
990233	STA6	11199	1101	12299	30199	###	0		HODGES, 40TH AVE	55	7.5
990234	STA7	11199	1149	12299	30199	###	0		45TH AVE, 45 TH AVE @ OUTFALL	53	7.6
990235	STA8	11199	1200	12299	30199	###	0		OUTFALL STATION 172 +00	62	7.7
990236	STA9	11199	1133	12299	30199	###	0		LOWER BORROW PIT, 300' D/S OUTFALL	64	7.6
990237	STA10	11199	1004	12299	30199	###	0		SOUTH END @ KEIM BLVD.	64	7.6
990238	STA11	11199	952	12299	30199	###	0		ESTES, 32ND AVE	56	7.7
990239	STA12	11199	925	12299	30199	###	0		RANNELLS, 28TH AVE	65	7.7
990240	STA13	11199	916	12299	30199	###	0		WESTSIDE, 25TH AVE	64	7.8
990241	STA14	11199	838	12299	30199	###	0		EASTSIDE @ LOVEKIN BLVD	63	7.6
990242	STA15	11199	843	12299	30199	###	0		LOVEKIN @ 22ND AVE	64	7.6
990243	STA16	11199	730	12299	30199	889	0		INTAKE	52	7.7
990244		10499	1225	12299	30499	905	582	CB	CAP CANAL	10	7.6
990245	942300	11999	1300	12299	30499	891	588	WW	BELOW DAVIS DAM	11.1	7.9
990246	942365	11999	1145	12299	30499	###	905	WW	TOPOCK MARSH	11.1	7.9
990247	942752	10499	1105	12299	30499	899	583	CB	PARKER DAM	10	8
990248	942752	11999	1040	12299	30499	899	580	CB	PARKER DAM	11.1	8
990249	942850	11999	1010	12299	30499	899	598	CB	MAIN CANAL	11.1	7.9
990250	428508	10499	1350	12299	30499	###	1416	CB	POSTON DRAIN	14.4	7.9
990251	428508	11999	935	12299	30499	###	1454	CB	POSTON DRAIN	15.6	7.7
990252	428509	11999	935	12299	30499	982	649	CB	POSTON CANAL	11.1	8
990253	428510	10499	1350	12299	30499	###	1043	CB	POSTON WASTEWAY	14.4	7.9
990254	428510	11999	935	12299	30499	###	1468	CB	POSTON WASTEWAY	15.6	7.8
990255	942900	11999	1205	12299	30499	914	608	CB	PALO VERDE CANAL	12.2	8
990256	942903	10499	1435	12299	30499	###	1672	CB	UPPER LEVEE DRAIN	12.2	7.9
990257	942903	11999	845	12299	30499	###	1650	CB	UPPER LEVEE DRAIN	15.6	7.9
990258	942906	10499	1425	12299	30499	###	1556	CB	LOWER MAIN DRAIN	13.9	7.6
990259	942906	11999	900	12299	30499	###	1752	CB	LOWER MAIN DRAIN	15	7.9
990260	942918	10599	1030	12299	30499	940	662	ML	TAYLOR FERRY	10	7.9
990261	942918	11999	1010	12299	30499	###	701	ML	TAYLOR FERRY	16.7	7.8
990262	942922	10599	945	12299	30499	###	1784	ML	OUTFALL DRAIN	14.4	8

990263	942922	11999	1120	12299	30499	###	1576	ML	OUTFALL DRAIN	16.7	7.8
990264	942930	10599	830	12299	30499	975	646	ML	CIBOLA GAGE	10	7.6
990265	942930	11999	1050	12299	30499	###	791	ML	CIBOLA GAGE	16.7	7.7
990317		12299		12299	30899	898	580		TAILRACE	999.9	7.7
990340		20499	1215	20599	22299	###	834	WJ	FIELD EC = 1330, DEPTH = 2652 FT	999.9	6.3
990341		20299	1210	20599	22299	###	722	RJ	FIELD EC = 1100, DEPTH = 2875 FT.	999.9	7.3
990444		20199	1340	21999	32599	891	565	CB	Cap Canal	11.1	8
990445	942752	20199	1140	21999	32599	881	569	CB	Parker Dam	11.1	8.1
990446	942752	21699	1015	21999	32599	886	583	CB	Parker Dam	11.1	8.2
990447	942850	20199	1105	21999	32599	886	577	CB	Main Canal	11.1	8.2
990448	942850	21699	945	21999	32599	899	566	CB	Main Canal	11.1	8.2
990449	428508	20199	1425	21999	32599	###	1418	CB	Poston Drain	17.8	8.2
990450	428508	21699	1140	21999	32599	###	1440	CB	Poston Drain	16.7	7.8
990451	428509	20199	1425	21999	32599	930	587	CB	Poston Canal	12.2	8.1
990452	428509	21699	1140	21999	32599	943	599	CB	Poston Canal	11.7	8.2
990453	428510	20199	1425	21999	32599	###	1340	CB	Poston Wasteway	16.7	7.9
990454	428510	21699	1140	21999	32599	###	1446	CB	Poston Wasteway	16.7	7.5
990455	942900	20199	1520	21999	32599	922	606	CB	Palo Verde Canal	12.2	8
990456	942900	21699	1235	21999	32599	918	602	CB	Palo Verde Canal	12.2	8.1
990457	942903	20199	1510	21999	32599	###	1538	CB	Upper Levee Drain	18.9	8.1
990458	942903	21699	1225	21999	32599	###	1464	CB	Upper Levee Drain	18.3	8
990459	942906	20199	1500	21999	32599	###	1726	CB	Lower Main Drain	17.2	8
990460	942906	21699	1210	21999	32599	###	1568	CB	Lower Main Drain	16.1	7.5
990461	942918	20199	1140	21999	32599	###	701	ML	Taylor Ferry	14.4	8
990462	942918	21699	1045	21999	32599	975	628	ML	Taylor Ferry	13.3	8.1
990463	942922	20199	1310	21999	32599	###	1548	ML	Outfall Drain	16.7	7.9
990464	942922	21699	900	21999	32599	###	1412	ML	Outfall Drain	15.6	7.8
990465	942930	20199	1240	21999	32599	###	710	ML	Cibola Gage	14.4	8
990466	942930	21699	925	21999	32599	967	651	ML	Cibola Gage	13.3	7.8
990467	942931	21699	1015	21999	32599	970	628	ML	Cibola Irrigation District, Pump #1	13.3	7.9
990468	942752	######	####	21999	31099	912	584	CB	Parker Dam	52	
990469	942752	######	####	21999	31099	925	592	CB	Parker Dam	53	
990470	942850	######	####	21999	31099	914	587	CB	Main Canal	52	
990471	942850	######	####	21999	31099	919	595	CB	Main Canal	53	
990472	9428508	######	####	21999	31099	###	1448	CB	Poston Drain	61	
990473	9428508	######	####	21999	31099	###	1343	CB	Poston Drain	60	
990474	9428509	######	####	21999	31099	925	602	CB	Poston Canal	52	

990475	9428509	######	####	21999	31099	991	643	CB	Poston Canal	55
990476	9428510	######	####	21999	31099	###	1452	CB	Poston Wasteway	61
990477	9428510	######	####	21999	31099	###	1339	CB	Poston Wasteway	60
990478	942900	######	####	21999	31099	928	600		Palo Verde Canal	54
990479	942900	######	####	21999	31099	973	631		Palo Verde Canal	56
990480	942903	######	####	21999	31099	###	1530	CB	Upper Levee Drain	62
990481	942903	######	####	21999	31099	###	1494	CB	Upper Levee Drain	64
990482	942906	######	####	21999	31099	###	1682	CB	Lower Main Drain	61
990483	942906	######	####	21999	31099	###	1788	CB	Lower Main Drain	62
990484	942918	######	####	21999	31099	###	698	ML	Taylor Ferry	56
990485	942918	######	####	21999	31099	###	685	ML	Taylor Ferry	60
990486	942922	######	####	21999	31099	###	1574	ML	Outfall Drain	62
990487	942922	######	####	21999	31099	###	1674	ML	Outfall Drain	68
990488	942930	######	####	21999	31099	###	691	ML	Cibola Gage	56
990489	942930	######	####	21999	31099	###	814	ML	Cibola Gage	65
990490	942932	######	####	21999	31099	###	681	ML	Cibola Irrigation District Pump No. 2	56
990491	942932	######	####	21999	31099	###	681	ML	Cibola Irrigation District Pump No. 2	60
990492	9428508	######	####	21999	30999	###		CB	Poston Drain	54
990493	9428508	######	####	21999	30999	###		CB	Poston Drain	58
990494	9428508	######	####	21999	30999	###		CB	Poston Drain	53
990495	9428508	######	####	21999	30999	###		CB	Poston Drain	62
990496	9428509	######	####	21999	30999	900		CB	Poston Canal	51
990497	9428509	######	####	21999	30999	901		CB	Poston Canal	52
990498	9428509	######	####	21999	30999	941		CB	Poston Canal	50
990499	9428509	######	####	21999	30999	920		CB	Poston Canal	55
990500	9428510	######	####	21999	30999	###		CB	Poston Wasteway	54
990501	9428510	######	####	21999	30999	###		CB	Poston Wasteway	55
990502	9428510	######	####	21999	30999	###		CB	Poston Wasteway	53
990503	9428510	######	####	21999	30999	###		CB	Poston Wasteway	62
990504	942900	######	####	21999	30999	923			Palo Verde Canal	55
990505	942900	######	####	21999	30999	978			Palo Verde Canal	55
990506	942900	######	####	21999	30999	953			Palo Verde Canal	54
990507	942900	######	####	21999	30999	940			Palo Verde Canal	53
990508	942900	######	####	21999	30999	923			Palo Verde Canal	54
990509	942900	######	####	21999	30999	971			Palo Verde Canal	53
990510	942900	######	####	21999	30999	980			Palo Verde Canal	53
990511	942900	######	####	21999	30999	971			Palo Verde Canal	53

990512	942900	######	####	21999	30999	980			Palo Verde Canal	52	
990513	942900	######	####	21999	30999	953			Palo Verde Canal	53	
990514	942900	######	####	21999	30999	947			Palo Verde Canal	53	
990515	942900	######	####	21999	30999	938			Palo Verde Canal	54	
990516	942900	######	####	21999	30999	946			Palo Verde Canal	54	
990517	942900	######	####	21999	30999	948			Palo Verde Canal	54	
990518	942900	######	####	21999	30999	963			Palo Verde Canal	54	
990519	942900	######	####	21999	30999	950			Palo Verde Canal	55	
990520	942900	######	####	21999	30999	948			Palo Verde Canal	56	
990521	942900	######	####	21999	30999	956			Palo Verde Canal	50	
990522	942900	######	####	21999	30999	993			Palo Verde Canal	57	
990523	942900	######	####	21999	30999	997			Palo Verde Canal	52	
990524	942900	######	####	21999	30999	953			Palo Verde Canal	51	
990525	942900	######	####	21999	30999	945			Palo Verde Canal	54	
990526	942900	######	####	21999	30999	938			Palo Verde Canal	55	
990527	942900	######	####	21999	30999	931			Palo Verde Canal	57	
990708		30199	1100	31999	41399	###	647	CB	Bill Williams River	65	7.8
990709		30199	1210	31999	41399	872	610	CB	CAP Canal	56	8.3
990710	942300	30399	1045	31999	41399	871	595	WW	Below Davis Dam	54	8.3
990711	942365	30399	1235	31999	41399	###	975	WW	Topock Marsh	63	8
990712	942752	30199	1030	31999	41399	871	616	CB	Parker Dam	56	8.3
990713	942752	31599	1005	31999	41399	865	614	CB	Parker Dam	58	7.9
990714	942850	30199	955	31999	41399	876	617	CB	Main Canal	56	8.2
990715	942850	31599	935	31999	41399	864	600	CB	Main Canal	58	8.2
990716	428508	30199	1300	31999	41399	###	1536	CB	Poston Drain	67	7.8
990717	428508	31599	1115	31999	41399	###	1382	CB	Poston Drain	64	7.9
990718	428509	30199	1300	31999	41399	889	620	CB	Poston Canal	57	8.1
990719	428509	31599	1115	31999	41399	903	625	CB	Poston Canal	59	8.1
990720	428510	30199	1300	31999	41399	###	1558	CB	Poston Wasteway	67	7.8
990721	428510	31599	1115	31999	41399	###	1394	CB	Poston Wasteway	64	7.9
990722	942900	30199	1400	31999	41399	884	621	CB	Palo Verde Canal	58	8.1
990723	942900	31599	1210	31999	41399	859	####	CB	Palo Verde Canal	59	8.1
990724	942903	30199	1345	31999	41399	###	1529	CB	Upper Levee Drain	70	8
990725	942903	31599	1200	31999	41399	###	1534	CB	Upper Levee Drain	66	8
990726	942906	30199	1335	31999	41399	###	1680	CB	Lower Main Drain	66	7.7
990727	942906	31599	1150	31999	41399	###	1454	CB	Lower Main Drain	63	7.8
990728	942918	30199	1225	31999	41399	969	639	ML	Taylor Ferry	60	8.2

990729	942918	31599	1150	31999	41399	983	649	ML	Taylor Ferry	62	8.2
990730	942922	30199	1050	31999	41399	###	1516	ML	Outfall Drain	66	8
990731	942922	31599	920	31999	41399	###	1476	ML	Outfall Drain	66	7.8
990732	942930	30199	1120	31999	41399	992	655	ML	Cibola Gage	60	8
990733	942930	31599	1015	31999	41399	###	781	ML	Cibola Gage	62	8
990734	942932	30199	1225	31999	41399	979	650	MI	Cibola Irrigation District,Pump #2	60	8
990735	94293?	31599	1140	31999	41399	991	654	ML	Cibola Irrigation District, new pump	62	8.1
990736	942752	######	####	31999	33099	917	572	CB	Parker Dam	54	
990737	942752	######	####	31999	33099	912	563	CB	Parker Dam	56	
990738	942850	######	####	31999	33099	918	585	CB	Main Canal	54	
990739	942850	######	####	31999	33099	910	576	CB	Main Canal	56	
990740	9428508	######	####	31999	33099	###	1209	CB	Poston Drain	58	
990741	9428508	######	####	31999	33099	###	1393	CB	Poston Drain	62	
990742	9428509	######	####	31999	33099	956	600	CB	Poston Canal	53	
990743	9428509	######	####	31999	33099	930	588	CB	Poston Canal	56	
990744	9428510	######	####	31999	33099	###	1204	CB	Poston Wasteway	58	
990745	9428510	######	####	31999	33099	###	1387	CB	Poston Wasteway	62	
990746	942900	######	####	31999	33099	926	599		Palo Verde Canal	55	
990747	942900	######	####	31999	33099	920	595		Palo Verde Canal	58	
990748	942903	######	####	31999	33099	###	1502	CB	Upper Levee Drain	63	
990749	942903	######	####	31999	33099	###	1498	CB	Upper Levee Drain	66	
990750	942906	######	####	31999	33099	###	1408	CB	Lower Main Drain	58	
990751	942906	######	####	31999	33099	###	1880	CB	Lower Main Drain	63	
990752	942918	######	####	31999	33099	972	628	ML	Taylor Ferry	60	
990753	942918	######	####	31999	33099	983	639	ML	Taylor Ferry	60	
990754	942922	######	####	31999	33099	###	1620	ML	Outfall Drain	64	
990755	942922	######	####	31999	33099	###	1552	ML	Outfall Drain	64	
990756	942930	######	####	31999	33099	990	640	ML	Cibola Gage	60	
990757	942930	######	####	31999	33099	984	636	ML	Cibola Gage	60	
990758	942932	######	####	31999	33099	980	644	ML	Cibola Irrigation District, Pump #2	60	
990759	9428508	######	####	31999	32999	###		CB	Poston Drain	58	
990760	9428508	######	####	31999	32999	###		CB	Poston Drain	66	
990761	9428508	######	####	31999	32999	###		CB	Poston Drain	62	
990762	9428508	######	####	31999	32999	###		CB	Poston Drain	65	
990763	9428509	######	####	31999	32999	941		CB	Poston Canal	56	
990764	9428509	######	####	31999	32999	923		CB	Poston Canal	57	
990765	9428509	######	####	31999	32999	942		CB	Poston Canal	56	

990766	9428509	######	####	31999	32999	920		CB	Poston Canal	60
990767	9428510	######	####	31999	32999	###		CB	Poston Wasteway	58
990768	9428510	######	####	31999	32999	###		CB	Poston Wasteway	66
990769	9428510	######	####	31999	32999	###		CB	Poston Wasteway	62
990770	9428510	######	####	31999	32999	###		CB	Poston Wasteway	65
990771	942900	######	####	31999	32999	930			Palo Verde Canal	56
990772	942900	######	####	31999	32999	923			Palo Verde Canal	55
990773	942900	######	####	31999	32999	948			Palo Verde Canal	57
990774	942900	######	####	31999	32999	922			Palo Verde Canal	56
990775	942900	######	####	31999	32999	922			Palo Verde Canal	55
990776	942900	######	####	31999	32999	926			Palo Verde Canal	55
990777	942900	######	####	31999	32999	922			Palo Verde Canal	55
990778	942900	######	####	31999	32999	928			Palo Verde Canal	56
990779	942900	######	####	31999	32999	925			Palo Verde Canal	57
990780	942900	######	####	31999	32999	922			Palo Verde Canal	56
990781	942900	######	####	31999	32999	917			Palo Verde Canal	56
990782	942900	######	####	31999	32999	919			Palo Verde Canal	58
990783	942900	######	####	31999	32999	920			Palo Verde Canal	59
990784	942900	######	####	31999	32999	920			Palo Verde Canal	58
990785	942900	######	####	31999	32999	925			Palo Verde Canal	69
990786	942900	######	####	31999	32999	921			Palo Verde Canal	57
990787	942900	######	####	31999	32999	918			Palo Verde Canal	58
990788	942900	######	####	31999	32999	916			Palo Verde Canal	58
990789	942900	######	####	31999	32999	918			Palo Verde Canal	59
990790	942900	######	####	31999	32999	922			Palo Verde Canal	58
990791	942900	######	####	31999	32999	930			Palo Verde Canal	58
990792	942900	######	####	31999	32999	923			Palo Verde Canal	58
990793	942900	######	####	31999	32999	921			Palo Verde Canal	59
991653	942752	######	####	43099	70299	908	616	CB	Parker Dam	59
991654	942752	######	####	43099	70299	906	611	CB	Parker Dam	61
991655	942752	######	####	43099	70299	904	608	CB	Parker Dam	60
991656	942752	######	####	43099	70299	904	615	CB	Parker Dam	64
991657	942850	######	####	43099	70299	904	610	CB	Main Canal	59
991658	942850	######	####	43099	70299	919	611	CB	Main Canal	61
991659	942850	######	####	43099	70299	920	608	CB	Main Canal	60
991660	942850	######	####	43099	70299	916	609	CB	Main Canal	64
991661	9428508	######	####	43099	70299	###	1226	CB	Poston Drain	68

991662	9428508	######	####	43099	70299	###	1367	CB	Poston Drain	68
991663	9428508	######	####	43099	70299	###	1370	CB	Poston Drain	65
991664	9428508	######	####	43099	70299	###	1334	CB	Poston Drain	70
991665	9428509	######	####	43099	70299	950	632	CB	Poston Canal	60
991666	9428509	######	####	43099	70299	928	610	CB	Poston Canal	62
991667	9428509	######	####	43099	70299	927	618	CB	Poston Canal	61
991668	9428509	######	####	43099	70299	943	623	CB	Poston Canal	66
991669	9428510	######	####	43099	70299	###	1243	CB	Poston Wasteway	68
991670	9428510	######	####	43099	70299	###	1364	CB	Poston Wasteway	68
991671	9428510	######	####	43099	70299	###	1374	CB	Poston Wasteway	65
991672	9428510	######	####	43099	70299	###	1369	CB	Poston Wasteway	70
991673	942900	######	####	43099	70299	934	621		Palo Verde Canal	60
991674	942900	######	####	43099	70299	938	625		Palo Verde Canal	63
991675	942900	######	####	43099	70299	941	621		Palo Verde Canal	63
991676	942900	######	####	43099	70299	937	618		Palo Verde Canal	66
991677	942903	######	####	43099	70299	###	1504	CB	Upper Levee Drain	72
991678	942903	######	####	43099	70299	###	1406	CB	Upper Levee Drain	72
991679	942903	######	####	43099	70299	###	1024	CB	Upper Levee Drain	66
991680	942903	######	####	43099	70299	###	1371	CB	Upper Levee Drain	72
991681	942906	######	####	43099	70299	###	1792	CB	Lower Main Drain	68
991682	942906	######	####	43099	70299	###	1574	CB	Lower Main Drain	67
991683	942906	######	####	43099	70299	###	2040	CB	Lower Main Drain	67
991684	942906	######	####	43099	70299	###	1586	CB	Lower Main Drain	70
991685	942918	######	####	43099	70299	954	645	ML	Taylor Ferry	66
991686	942918	######	####	43099	70299	985	666	ML	Taylor Ferry	66
991687	942918	######	####	43099	70299	968	667	ML	Taylor Ferry	64
991688	942918	######	####	43099	70299	964	649	ML	Taylor Ferry	72
991689	942922	######	####	43099	70299	###	1480	ML	Outfall Drain	72
991690	942922	######	####	43099	70299	###	1434	ML	Outfall Drain	70
991691	942922	######	####	43099	70299	###	1594	ML	Outfall Drain	68
991692	942922	######	####	43099	70299	###	1452	ML	Outfall Drain	72
991693	942930	######	####	43099	70299	###	723	ML	Cibola Gage	66
991694	942930	######	####	43099	70299	990	670	ML	Cibola Gage	66
991695	942930	######	####	43099	70299	972	661	ML	Cibola Gage	64
991696	942930	######	####	43099	70299	968	642	ML	Cibola Gage	72
991697	942931	######	####	43099	70299	###	665	ML	Cibola Irrigation District, Pump #1	66
991698	942932	######	####	43099	70299	989	676	ML	Cibola Irrigation District, Pump #2	64

991699	94293?	######	####	43099	70299	968	659	ML	Cibola Irrigation District, New Pump	72
991700	9428508	######	####	43099	60499	###		CB	Poston Drain	67
991701	9428508	######	####	43099	60499	###		CB	Poston Drain	62
991702	9428508	######	####	43099	60499	###		CB	Poston Drain	62
991703	9428508	######	####	43099	60499	###		CB	Poston Drain	60
991704	9428508	######	####	43099	60499	###		CB	Poston Drain	67
991705	9428509	######	####	43099	60499	925		CB	Poston Canal	62
991706	9428509	######	####	43099	60499	912		CB	Poston Canal	59
991707	9428509	######	####	43099	60499	916		CB	Poston Canal	59
991708	9428509	######	####	43099	60499	930		CB	Poston Canal	62
991709	9428509	######	####	43099	60499	904		CB	Poston Canal	64
991710	9428510	######	####	43099	60499	###		CB	Poston Wasteway	64
991711	9428510	######	####	43099	60499	###		CB	Poston Wasteway	60
991712	9428510	######	####	43099	60499	###		CB	Poston Wasteway	62
991713	9428510	######	####	43099	60499	###		CB	Poston Wasteway	66
991714	9428510	######	####	43099	60499	###		CB	Poston Wasteway	67
991715	942900	######	####	43099	60499	921			Palo Verde Canal	59
991716	942900	######	####	43099	60499	923			Palo Verde Canal	59
991717	942900	######	####	43099	60499	925			Palo Verde Canal	60
991718	942900	######	####	43099	60499	928			Palo Verde Canal	61
991719	942900	######	####	43099	60499	921			Palo Verde Canal	61
991720	942900	######	####	43099	60499	926			Palo Verde Canal	60
991721	942900	######	####	43099	60499	922			Palo Verde Canal	60
991722	942900	######	####	43099	60499	922			Palo Verde Canal	62
991723	942900	######	####	43099	60499	921			Palo Verde Canal	63
991724	942900	######	####	43099	60499	927			Palo Verde Canal	63
991725	942900	######	####	43099	60499	921			Palo Verde Canal	62
991726	942900	######	####	43099	60499	921			Palo Verde Canal	62
991727	942900	######	####	43099	60499	916			Palo Verde Canal	63
991728	942900	######	####	43099	60499	920			Palo Verde Canal	62
991729	942900	######	####	43099	60499	923			Palo Verde Canal	60
991730	942900	######	####	43099	60499	929			Palo Verde Canal	60
991731	942900	######	####	43099	60499	922			Palo Verde Canal	60
991732	942900	######	####	43099	60499	924			Palo Verde Canal	58
991733	942900	######	####	43099	60499	920			Palo Verde Canal	62
991734	942900	######	####	43099	60499	921			Palo Verde Canal	61
991735	942900	######	####	43099	60499	934			Palo Verde Canal	62

991736	942900	######	####	43099	60499	940			Palo Verde Canal	62
991737	942900	######	####	43099	60499	927			Palo Verde Canal	60
991738	942900	######	####	43099	60499	926			Palo Verde Canal	62
991739	942900	######	####	43099	60499	920			Palo Verde Canal	63
991740	942900	######	####	43099	60499	916			Palo Verde Canal	63
991741	942900	######	####	43099	60499	918			Palo Verde Canal	62
991742	942900	######	####	43099	60499	926			Palo Verde Canal	63
991743	942900	######	####	43099	60499	922			Palo Verde Canal	63
991744	942900	######	####	43099	60499	917			Palo Verde Canal	64
991745	942900	######	####	43099	60499	920			Palo Verde Canal	65
991746	942900	######	####	43099	60499	922			Palo Verde Canal	65
991747	942900	######	####	43099	60499	921			Palo Verde Canal	65
991748	942900	######	####	43099	60499	924			Palo Verde Canal	65
991749	942900	######	####	43099	60499	921			Palo Verde Canal	65
991750	942900	######	####	43099	60499	920			Palo Verde Canal	65
992116	942752	######	####	60499	70299	912	593	CB	Parker Dam	65
992117	942752	######	####	60499	70299	900	587	CB	Parker Dam	69
992118	942850	######	####	60499	70299	904	582	CB	Main Canal	65
992119	942850	######	####	60499	70299	903	585	CB	Main Canal	69
992120	9428508	######	####	60499	70299	###	1323	CB	Poston Drain	68
992121	9428508	######	####	60499	70299	###	1417	CB	Poston Drain	71
992122	9428509	######	####	60499	70299	925	614	CB	Poston Canal	65
992123	9428509	######	####	60499	70299	902	600	CB	Poston Canal	70
992124	9428510	######	####	60499	70299	###	1345	CB	Poston Wasteway	68
992125	9428510	######	####	60499	70299	###	1435	CB	Poston Wasteway	71
992126	942900	######	####	60499	70299	909	616		Palo Verde Canal	67
992127	942900	######	####	60499	70299	908	617		Palo Verde Canal	70
992128	942903	######	####	60499	70299	###	1510	CB	Upper Levee Drain	67
992129	942903	######	####	60499	70299	###	1530	CB	Upper Levee Drain	72
992130	942906	######	####	60499	70299	###	1446	CB	Lower Main Drain	68
992131	942906	######	####	60499	70299	###	1586	CB	Lower Main Drain	72
992132	942918	######	####	60499	70299	963	652	ML	Taylor Ferry	70
992133	942918	######	####	60499	70299	972	654	ML	Taylor Ferry	76
992134	942922	######	####	60499	70299	###	1486	ML	Outfall Drain	72
992135	942922	######	####	60499	70299	###	1512	ML	Outfall Drain	74
992136	942930	######	####	60499	70299	963	641	ML	Cibola Gage	70
992137	942930	######	####	60499	70299	###	813	ML	Cibola Gage	76

992138	94293?	######	####	60499	70299	963	639	ML	Cibola Irrigation District, New Pump	70
992139	942932	######	####	60499	70299	985	661	ML	Cibola Irrigation District, Pump #2	76
992140	9428508	######	0845	######	######	###		CB	Poston Drain	70
992141	9428508	######	0915	######	######	###		CB	Poston Drain	70
992142	9428508	######	0950	######	######	###		CB	Poston Drain	70
992143	9428508	######	0800	######	######	###		CB	Poston Drain	70
992144	9428508	######	0950	######	######	###		CB	Poston Drain	69
992145	9428508	######	0945	######	######	###		CB	Poston Drain	71
992146	9428509	######	0845	######	######	927		CB	Poston Canal	72
992147	9428509	######	0915	######	######	924		CB	Poston Canal	74
992148	9428509	######	0950	######	######	903		CB	Poston Canal	74
992149	9428509	######	0800	######	######	901		CB	Poston Canal	73
992150	9428509	######	0950	######	######	907		CB	Poston Canal	70
992151	9428509	######	0945	######	######	904		CB	Poston Canal	70
992152	9428510	######	0845	######	######	###		CB	Poston Wasteway	52
992153	9428510	######	0915	######	######	###		CB	Poston Wasteway	51
992154	9428510	######	0950	######	######	###		CB	Poston Wasteway	51
992155	9428510	######	0800	######	######	###		CB	Poston Wasteway	51
992156	9428510	######	0950	######	######	###		CB	Poston Wasteway	51
992157	9428510	######	0945	######	######	###		CB	Poston Wasteway	56
992158	942900	######	0800	######	######	904			Palo Verde Canal	54
992159	942900	######	0900	######	######	905			Palo Verde Canal	51
992160	942900	######	0900	######	######	906			Palo Verde Canal	56
992161	942900	######	0945	######	######	907			Palo Verde Canal	54
992162	942900	######	0915	######	######	903			Palo Verde Canal	52
992163	942900	######	0930	######	######	909			Palo Verde Canal	60
992164	942900	######	0945	######	######	903			Palo Verde Canal	58
992165	942900	######	0945	######	######	903			Palo Verde Canal	60
992166	942900	######	0825	######	######	906			Palo Verde Canal	54
992167	942900	######	0830	######	######	915			Palo Verde Canal	51
992168	942900	######	0830	######	######	904			Palo Verde Canal	52
992169	942900	######	0830	######	######	904			Palo Verde Canal	59
992170	942900	######	0845	######	######	903			Palo Verde Canal	58
992171	942900	######	0850	######	######	903			Palo Verde Canal	51
992172	942900	######	0830	######	######	905			Palo Verde Canal	52
992173	942900	######	0830	######	######	900			Palo Verde Canal	52
992174	942900	######	0830	######	######	899			Palo Verde Canal	56

992175	942900	######	0840	######	######	898			Palo Verde Canal	54
992176	942900	######	0945	######	######	898			Palo Verde Canal	56
992177	942900	######	0730	######	######	897			Palo Verde Canal	56
992178	942900	######	0930	######	######	895			Palo Verde Canal	52
992179	942900	######	0945	######	######	898			Palo Verde Canal	50
992180	942900	######	0900	######	######	897			Palo Verde Canal	50
992181	942900	######	0845	######	######	894			Palo Verde Canal	56
992182	942900	######	0900	######	######	895			Palo Verde Canal	54
992183	942900	######	0900	######	######	900			Palo Verde Canal	56
992184	942900	######	0900	######	######	899			Palo Verde Canal	56
992185	942900	######	0845	######	######	898			Palo Verde Canal	52
992186	942900	######	0915	######	######	897			Palo Verde Canal	51
992187	942900	######	0845	######	######	896			Palo Verde Canal	56
992188	942900	######	0840	######	######	896			Palo Verde Canal	53
992461	942752	######	####	70199	81299	870	554	CB	Parker Dam	70
992462	942752	######	####	70199	81299	882	598	CB	Parker Dam	70
992463	942752	######	####	70199	81299	877	577	CB	Parker Dam	71
992464	942850	######	####	70199	81299	883	556	CB	Main Canal	70
992465	942850	######	####	70199	81299	880	549	CB	Main Canal	71
992466	9428508	######	####	70199	81299	###	1212	CB	Poston Drain	73
992467	9428508	######	####	70199	81299	###	1229	CB	Poston Drain	74
992468	9428508	######	####	70199	81299	###	1055	CB	Poston Drain	73
992469	9428509	######	####	70199	81299	920	599	CB	Poston Canal	72
992470	9428509	######	####	70199	81299	900	576	CB	Poston Canal	72
992471	9428509	######	####	70199	81299	902	586	CB	Poston Canal	72
992472	9428510	######	####	70199	81299	###	1215	CB	Poston Wasteway	73
992473	9428510	######	####	70199	81299	###	1250	CB	Poston Wasteway	74
992474	9428510	######	####	70199	81299	###	993	CB	Poston Wasteway	72
992475	942900	######	####	70199	81299	917	601	CB	Palo Verde Canal	72
992476	942900	######	####	70199	81299	916	598	CB	Palo Verde Canal	73
992477	942900	######	####	70199	81299	906	605	CB	Palo Verde Canal	75
992478	942903	######	####	70199	81299	###	1402	CB	Upper Levee Drain	75
992479	942903	######	####	70199	81299	###	1450	CB	Upper Levee Drain	77
992480	942903	######	####	70199	81299	###	1468	CB	Upper Levee Drain	74
992481	942906	######	####	70199	81299	###	1637	CB	Lower Main Drain	74
992482	942906	######	####	70199	81299	###	1538	CB	Lower Main Drain	76
992483	942906	######	####	70199	81299	###	1386	CB	Lower Main Drain	74

992484	942918	######	####	70199	81299	938	580	ML	Taylor Ferry	76
992485	942918	######	####	70199	81299	918	472	ML	Taylor Ferry	76
992486	942918	######	####	70199	81299	926	581	ML	Taylor Ferry	80
992487	942922	######	####	70199	81299	###	1384	ML	Outfall Drain	76
992488	942922	######	####	70199	81299	###	1356	ML	Outfall Drain	76
992489	942922	######	####	70199	81299	###	1442	ML	Outfall Drain	80
992490	942930	######	####	70199	81299	###	708	ML	Cibola Gage	76
992491	942930	######	####	70199	81299	882	575	ML	Cibola Gage	76
992492	942930	######	####	70199	81299	884	557	ML	Cibola Gage	80
992493	94293A	######	####	70199	81299	922	584	ML	Cibola Irr. District, Pumps #1&2	80
992494	94293C	######	####	70199	81299	934	602	ML	Cibola Ir. District, Pumps #2&3	76
992495	428508	######	0933	70199	71699	###		CB	Poston Drain	71
992496	428508	######	0725	70199	71699	###		CB	Poston Drain	74
992497	428508	######	0845	70199	71699	###		CB	Poston Drain	72
992498	428509	######	0935	70199	71699	802		CB	Poston Canal	72
992499	428509	######	0725	70199	71699	823		CB	Poston Canal	72
992500	428509	######	0845	70199	71699	828		CB	Poston Canal	72
992501	428510	######	0935	70199	71699	###		CB	Poston Wasteway	72
992502	428510	######	0725	70199	71699	###		CB	Poston Wasteway	74
992503	428510	######	0845	70199	71699	###		CB	Poston Wasteway	72
992504	942900	######	0900	70199	71699	822		CB	Palo Verde Canal	7
992505	942900	######	1000	70199	71699	825		CB	Palo Verde Canal	70
992506	942900	######	0930	70199	71699	826		CB	Palo Verde Canal	67
992507	942900	######	0900	70199	71699	825		CB	Palo Verde Canal	69
992508	942900	######	0900	70199	71699	825		CB	Palo Verde Canal	70
992509	942900	######	0830	70199	71699	822		CB	Palo Verde Canal	71
992510	942900	######	0830	70199	71699	845		CB	Palo Verde Canal	71
992511	942900	######	0900	70199	71699	850		CB	Palo Verde Canal	72
992512	942900	######	0900	70199	71699	860		CB	Palo Verde Canal	73
992513	942900	######	0830	70199	71699	847		CB	Palo Verde Canal	73
992514	942900	######	0845	70199	71699	848		CB	Palo Verde Canal	72
992515	942900	######	0920	70199	71699	852		CB	Palo Verde Canal	74
992516	942900	######	0900	70199	71699	845		CB	Palo Verde Canal	73
992517	942900	######	0900	70199	71699	843		CB	Palo Verde Canal	73
992518	942900	######	0830	70199	71699	843		CB	Palo Verde Canal	73
992519	942900	######	0930	70199	71699	847		CB	Palo Verde Canal	64
992520	942900	######	0930	70199	71699	843		CB	Palo Verde Canal	74

992521	942900	######	0945	70199	71699	844		CB	Palo Verde Canal	74
992522	942900	######	0850	70199	71699	841		CB	Palo Verde Canal	74
992523	942900	######	0915	70199	71699	841		CB	Palo Verde Canal	74
992524	942900	######	0910	70199	71699	848		CB	Palo Verde Canal	75
992525	942900	######	0845	70199	71699	845		CB	Palo Verde Canal	75
992526	942900	######	0910	70199	71699	846		CB	Palo Verde Canal	
992836	9428508	######	####	72399	81999	###		CB	Poston Drain	72
992837	9428508	######	####	72399	81999	###		CB	Poston Drain	75
992838	9428508	######	####	72399	81999	###		CB	Poston Drain	76
992839	9428509	######	####	72399	81999	892		CB	Poston Canal	73
992840	9428509	######	####	72399	81999	883		CB	Poston Canal	75
992841	9428509	######	####	72399	81999	905		CB	Poston Canal	77
992842	9428510	######	####	72399	81999	###		CB	Poston Wasteway	72
992843	9428510	######	####	72399	81999	###		CB	Poston Wasteway	75
992844	9428510	######	####	72399	81999	###		CB	Poston Wasteway	76
992845	942900	######	####	72399	81999	901		ML	Palo Verde Diversion Dam	78
992846	942900	######	####	72399	81999	903		ML	Palo Verde Diversion Dam	80
992847	942900	######	####	72399	81999	909		ML	Palo Verde Diversion Dam	80
992848	942900	######	####	72399	81999	907		ML	Palo Verde Diversion Dam	80
992849	942900	######	####	72399	81999	901		ML	Palo Verde Diversion Dam	79
992850	942900	######	####	72399	81999	886		ML	Palo Verde Diversion Dam	78
992851	942752	######	0825	72399	82399	898	614	CB	Parker Dam	
992852	9428500	######	0950	72399	82399	901	604	CB	Main Canal	
992853	9428500	######	0800	72399	82399	895	603	CB	Main Canal	
992854	9428508	######	1035	72399	82399	###	1399	CB	Poston Drain	
992855	9428509	######	1035	72399	82399	912	613	CB	Poston Canal	
992856	9428510	######	1035	72399	82399	###	1397	CB	Poston Wasteway	
992857	942900	######	0950	72399	82399	891	602		Palo Verde Canal	
992858	942900	######	0900	72399	82399	897	609		Palo Verde Canal	
992859	942900	######	0845	72399	82399	905	615		Palo Verde Canal	
992860	942900	######	0915	72399	82399	918	611		Palo Verde Canal	
992861	942900	######	0815	72399	82399	909	602		Palo Verde Canal	
992862	942900	######	0950	72399	82399	897	599		Palo Verde Canal	
992863	942900	######	0945	72399	82399	890	600		Palo Verde Canal	
992864	942900	######	0945	72399	82399	897	597		Palo Verde Canal	
992865	942900	######	0945	72399	82399	908	612		Palo Verde Canal	
992866	942900	######	0835	72399	82399	911	611		Palo Verde Canal	

992867	942900	######	0850	72399	82399	901	610		Palo Verde Canal	
992868	942900	######	0820	72399	82399	898	601		Palo Verde Canal	
992869	942900	######	0830	72399	82399	900	602		Palo Verde Canal	
992870	942903	######	1150	72399	82399	###	1323	CB	Upper Levee Drain	
992871	942906	######	1145	72399	82399	###	1103	ML	Lower Levee Drain	
992872	9429188	######	1300	72399	82399	952	643	ML	Taylor Ferry	
992873	942922	######	1240	72399	82399	###	1509	ML	PVID Outfall Drain	
992874	942930	######	1215	72399	82399	955	641	ML	Cibola Gage	
992875	942931	######	1150	72399	82399	967	642	ML	Cibola Irr. Dist. Pump #1	
993064	9428508	######	####	80699	82099	###		CB	Poston Drain	
993065	9428508	######	####	80699	82099	###		JW	Poston Drain	80
993066	9428509	######	####	80699	82099	891		CB	PostonCanal	
993067	9428509	######	####	80699	82099	910		JW	Poston Canal	81
993068	9428510	######	####	80699	82099	###		CB	Poston Wasteway	
993069	9428510	######	####	80699	82099	###		JW	Poston Wasteway	80
993070	942752	######	0800	80699	82399	918	593	WW	Parker Dam	74
993071	9428500	######	0730	80699	82399	904	599	WW	Main Canal	72
993072	9428508	######	0700	80699	82399	###	1436	WW	Poston Drain	76
993073	9428509	######	0700	80699	82399	923	613	WW	Poston Canal	74
993074	9428510	######	0700	80699	82399	###	918	WW	Poston Wasteway	76
993075	942900	######	0925	80699	82399	927	621		Palo Verde Canal	79
993076	942900	######	0945	80699	82399	913	629		Palo Verde Canal	79
993077	942900	######	0930	80699	82399	908	606		Palo Verde Canal	78
993078	942900	######	0945	80699	82399	919	616		Palo Verde Canal	79
993079	942900	######	0945	80699	82399	914	608		Palo Verde Canal	79
993080	942900	######	0945	80699	82399	921	610		Palo Verde Canal	76
993081	942900	######	0945	80699	82399	904	622		Palo Verde Canal	79
993082	942900	######	0900	80699	82399	900	630		Palo Verde Canal	79
993083	942900	######	0930	80699	82399	910	640		Palo Verde Canal	78
993084	942900	######	0830	80699	82399	916	607		Palo Verde Canal	77
993085	942900	######	0820	80699	82399	923	612		Palo Verde Canal	78
993086	942900	######	0845	80699	82399	929	625		Palo Verde Canal	80
993087	942900	######	0945	80699	82399	911	618		Palo Verde Canal	79
993088	942903	######	0615	80699	82399	###	1546	WW	Upper Levee Drain	72
993089	942906	######	0630	80699	82399	###	1525	WW	Lower Levee Drain	74
993090	942918	######	0730	80699	82399	970	668	WW	Taylor Ferry	78
993091	942922	######	0915	80699	82399	###	1524	WW	PVID Outfall Drain	78

993092	942930	######	0830	80699	82399	949	633	WW	Cibola Gage	78
993093	942931	######	0800	80699	82399	968	807	WW	Cibola Irr. Dist. Pump #1	78
993269	942752	######		82499	110399	859	601	CB	Parker Dam	76
993270	942752	######		82499	110399	858	608	CB	Parker Dam	77
993271	942850	######		82499	110399	864	604	CB	Main Canal	76
993272	942850	######		82499	110399	860	573	CB	Main Canal	77
993273	9428508	######		82499	110399	###	1318	CB	Poston Drain	78
993274	9428508	######		82499	110399	###	1396	CB	Poston Drain	75
993275	9428508	######		82499	110399	###	1468	CB	Poston Drain	79
993276	9428509	######		82499	110399	914	598	CB	Poston Canal	78
993277	9428509	######		82499	110399	876	631	CB	Poston Canal	77
993278	9428509	######		82499	110399	879	601	CB	Poston Canal	78
993279	9428510	######		82499	110399	###	1385	CB	Poston Wasteway	78
993280	9428510	######		82499	110399	###	1417	CB	Poston Wasteway	75
993281	9428510	######		82499	110399	###	1415	CB	Poston Wasteway	79
993282	942900	######		82499	110399	885	565		Palo Verde Canal	77
993283	942900	######		82499	110399	856	615		Palo Verde Canal	78
993284	942903	######		82499	110399	###	1552	CB	Upper Levee Drain	76
993285	942903	######		82499	110399	###	1377	CB	Upper Levee Drain	80
993286	942906	######		82499	110399	###	1714	CB	Lower Main Drain	76
993287	942906	######		82499	110399	###	1646	CB	Lower Main Drain	80
993288	942918	######		82499	110399	946	661	ML	Taylor Ferry	74
993289	942918	######		82499	110399	941	658	ML	Taylor Ferry	84
993290	942922	######		82499	110399	###	1540	ML	Outfall Drain	78
993291	942922	######		82499	110399	###	1622	ML	Outfall Drain	84
993292	942930	######		82499	110399	996	724	ML	Cibola Gage	74
993293	942930	######		82499	110399	999	684	ML	Cibola Gage	84
993294		######		82499	110399	961	667	ML	Cibola Irrigation District pumps 1 and 2	74
993295		######		82499	110399	968	656	ML	Cibola Irrigation District pumps 2 and new	84
993296	428508	######	1310	82499	91099	###		CB	Poston Drain	78
993297	428508	######	0945	82499	91099	###		CB	Poston Drain	NA
993298	428509	######	1310	82499	91099	902		CB	Poston Canal	79
993299	428509	######	0945	82499	91099	894		CB	Poston Canal	NA
993300	428510	######	1310	82499	91099	###		CB	Poston Wasteway	78
993301	428510	######	0945	82499	91099	###		CB	Poston Wasteway	NA
993302	942900	######	0950	82499	91099	892		CB	Palo Verde Canal	79
993303	942900	######	0945	82499	91099	889		CB	Palo Verde Canal	80

993304	942900	######	0930	82499	91099	890		CB	Palo Verde Canal	79	
993305	942900	######	1000	82499	91099	907		CB	Palo Verde Canal	79	
993306	942900	######	0945	82499	91099	893		CB	Palo Verde Canal	79	
993307	942900	######	0945	82499	91099	887		CB	Palo Verde Canal	78	
993308	942900	######	0945	82499	91099	889		CB	Palo Verde Canal	78	
993309	942900	######	0945	82499	91099	887		CB	Palo Verde Canal	77	
993310	942900	######	0920	82499	91099	893		CB	Palo Verde Canal	77	
993311	942900	######	0930	82499	91099	908		CB	Palo Verde Canal	78	
993312	942900	######	0900	82499	91099	894		CB	Palo Verde Canal	77	
993313	942900	######	0900	82499	91099	893		CB	Palo Verde Canal	77	
993314	942900	######	0845	82499	91099	898		CB	Palo Verde Canal	77	
993315	942900	######	0830	82499	91099	896		CB	Palo Verde Canal	78	
993316	942900	######	0835	82499	91099	893		CB	Palo Verde Canal	78	
993317	942900	######	0900	82499	91099	916		CB	Palo Verde Canal	78	
993318	942900	######	0900	82499	91099	895		CB	Palo Verde Canal	78	
993319	942900	######	0845	82499	91099	895		CB	Palo Verde Canal	78	
993650	942365	######	1600	92499	11400	###	858	WW	Topock Marsh	80	8.2
993651	942752	######	0850	92499	11400	877	589	CB	Parker Dam	77	7.9
993652	942752	######	0900	92499	11400	876	571	CB	Parker Dam	75	7.7
993653	942850	######	0825	92499	11400	880	580	CB	Main Canal	77	7.6
993654	942850	######	0830	92499	11400	878	583	CB	Main Canal	75	7.6
993655	428508	######	1130	92499	11400	###	1460	CB	Poston Drain	76	7.6
993656	428508	######	1005	92499	11400	###	1460	CB	Poston Drain	77	7.7
993657	428509	######	1130	92499	11400	901	597	CB	Poston Canal	79	7.7
993658	428509	######	1005	92499	11400	919	602	CB	Poston Canal	77	7.7
993659	428510	######	1130	92499	11400	###	1448	CB	Poston Wasteway	76	7.8
993660	428510	######	1005	92499	11400	###	1470	CB	Poston Wasteway	77	7.7
993661	942900	######	1230	92499	11400	893	596	CB	Palo Verde Canal	80	7.9
993662	942900	######	1105	92499	11400	886	582	CB	Palo Verde Canal	78	7.8
993663	942903	######	1215	92499	11400	###	1402	CB	Upper Levee Drain	78	7.9
993664	942903	######	1050	92499	11400	###	1492	CB	Upper Levee Drain	76	7.8
993665	942906	######	1200	92499	11400	###	1870	CB	Lower Main Drain	76	7.8
993666	942906	######	1040	92499	11400	###	1218	CB	Lower Main Drain	77	7.9
993667	942918	######	0935	92499	11400	962	651	ML	Taylor Ferry	80	7.9
993668	942918	######	0755	92499	11400	934	638	JW	Taylor Ferry	79	7.8
993669	942922	######	0810	92499	11400	###	1530	ML	Outfall Drain	76	7.7
993670	942922	######	1001	92499	11400	###	1486	JW	Outfall Drain	78	7.8

993671	942930	######	0850	92499	11400	###	701	ML	Cibola Gage	80	7.8
993672	942930	######	0850	92499	11400	###	693	JW	Cibola Gage	79	7.8
993673		######	0920	92499	11400	952	641	ML	Irr. Dist. New Pump	80	7.9
993674		######	0808	92499	11400	933	628	JW	Irr. Dist. Running Pump	78	7.9
993675		######	1040	92499	11400	881	573	CB	CAP Canal	83	7.8
993676	942930	######	1435	92499	11400	874	571	WW	Below Davis Dam	62	7.7
993677	942752	######	1010	92499	11000	884		CB	Parker Dam	76	
993678	942850	######	0940	92499	11000	884		CB	Main Canal	76	
993679	9428508	######	0850	92499	11000	###		CB	Poston Drain	80	
993680	9428508	######	1110	92499	11000	###		CB	Poston Drain	80	
993681	9428508	######	1100	92499	11000	###		CB	Poston Drain	74	
993682	9428508	######	1045	92499	11000	###		CB	Poston Drain	76	
993683	9428508	######	0945	92499	11000	###		CB	Poston Drain	79	
993684	9428509	######	0850	92499	11000	910		CB	Poston Canal	80	
993685	9428509	######	1110	92499	11000	920		CB	Poston Canal	80	
993686	9428509	######	1100	92499	11000	917		CB	Poston Canal	75	
993687	9428509	######	1045	92499	11000	916		CB	Poston Canal	78	
993688	9428509	######	0945	92499	11000	885		CB	Poston Canal	78	
993689	9428510	######	0850	92499	11000	###		CB	Poston Wasteway	80	
993690	9428510	######	1110	92499	11000	###		CB	Poston Wasteway	80	
993691	9428510	######	1100	92499	11000	###		CB	Poston Wasteway	74	
993692	9428510	######	1045	92499	11000	###		CB	Poston Wasteway	76	
993693	9428510	######	0945	92499	11000	###		CB	Poston Wasteway	79	
993694	942900	######	0945	92499	11000	903		CB	Palo Verde Dam	79	
993695	942900	######	0945	92499	11000	876		CB	Palo Verde Dam	79	
993696	942900	######	0945	92499	11000	900		CB	Palo Verde Dam	79	
993697	942900	######	0930	92499	11000	882		CB	Palo Verde Dam	79	
993698	942900	######	0900	92499	11000	881		CB	Palo Verde Dam	80	
993699	942900	######	0840	92499	11000	894		CB	Palo Verde Dam	79	
993700	942900	######	0900	92499	11000	893		CB	Palo Verde Dam	79	
993701	942900	######	0845	92499	11000	856		CB	Palo Verde Dam	78	
993702	942900	######	0830	92499	11000	890		CB	Palo Verde Dam	78	
993703	942900	######	0850	92499	11000	852		CB	Palo Verde Dam	75	
993704	942900	######	0900	92499	11000	877		CB	Palo Verde Dam	75	
993705	942900	######	0900	92499	11000	891		CB	Palo Verde Dam	78	
993706	942900	######	0930	92499	11000	854		CB	Palo Verde Dam	76	
993707	942900	######	0930	92499	11000	879		CB	Palo Verde Dam	78	

993708	942900	######	0815	92499	11000	882		CB	Palo Verde Dam	78
993709	942900	######	0930	92499	11000	866		CB	Palo Verde Dam	77
993710	942900	######	0930	92499	11000	881		CB	Palo Verde Dam	78
993711	942900	######	0952	92499	11000	878		CB	Palo Verde Dam	78
993712	942900	######	0923	92499	11000	875		CB	Palo Verde Dam	78
993713	942900	######	0820	92499	11000	861		CB	Palo Verde Dam	78
993714	942900	######	0850	92499	11000	872		CB	Palo Verde Dam	78
993715	942900	######	0830	92499	11000	870		CB	Palo Verde Dam	
993716	942900	######	0820	92499	11000	856		CB	Palo Verde Dam	77
993717	942900	######	0900	92499	11000	866		CB	Palo Verde Dam	77
993718	942900	######	0910	92499	11000	889		CB	Palo Verde Dam	77
993719	942930	######	1205	92499	11000	###		CB	Upper Levee Drain	82
993720	942960	######	1200	92499	11000	###		CB	Lower Main Drain	81
993721	942752	######	0940	92499	11200	801	533	CB	Parker Dam	76
993722	924850	######	0905	92499	11200	849	551	CB	Main Canal	76
993723	9428508	######	1045	92499	11200	###	1308	CB	Poston Drain	79
993724	9428509	######	1045	92499	11200	869	622	CB	Poston Canal	78
993725	9428510	######	1045	92499	11200	###	1303	CB	Poston Wasteway	79
993726	942900	######	0900	92499	11200	875	614	CB	Palo Verde Dam	78
993727	942903	######	1210	92499	11200	###	1324	CB	Upper Levee Drain	80
993728	942906	######	1155	92499	11200	###	1402	CB	Lower Levee Drain	79
993729	942918	######	1545	92499	11200	919	481	ML	Taylor Ferry	84
993730	942918	######	1035	92499	11200	896	424	ML	Taylor Ferry	82
993731	942922	######	1425	92499	11200	###	1250	ML	PVID Outfall Drain	84
993732	942922	######	0845	92499	11200	###	1279	ML	PVID Outfall Drain	80
993733	942930	######	1500	92499	11200	943	602	ML	Cibola	84
993734	942930	######	0930	92499	11200	###	663	ML	Cibola	82
993735		######	1352	92499	11200	874	551	ML	New Pump	84
993736		######	1010	92499	11200	896	574	ML	Pump #3 Running	82
993927	9428508	######	1020	100699	11200	###		CB	Poston Drain	74
993928	9428508	######	0100	100699	11200	###		CB	Poston Drain	72
993929	9428509	######	1020	100699	11200	939		CB	Poston Canal	78
993930	9428509	######	0100	100699	11200	871		CB	Poston Canal	75
993931	9428510	######	1020	100699	11200	###		CB	Poston Wasteway	78
993932	9428510	######	0100	100699	11200	###		CB	Poston Wasteway	72
993933	942900	######	0830	100699	11200	876		CB	Palo Verde Dam	77
993934	942900	######	0830	100699	11200	860		CB	Palo Verde Dam	77

993935	942900	######	0845	100699	11200	868		CB	Palo Verde Dam	75	
993936	942900	######	0900	100699	11200	877		CB	Palo Verde Dam	77	
993937	942900	######	0945	100699	11200	866		CB	Palo Verde Dam	78	
993938	942900	######	0930	100699	11200	864		CB	Palo Verde Dam	77	
993939	942900	######	0913	100699	11200	871		CB	Palo Verde Dam	76	
993940	942900	######	0905	100699	11200	874		CB	Palo Verde Dam	73	
993941	942900	######	0900	100699	11200	877		CB	Palo Verde Dam	75	
993942	942900	######	0920	100699	11200	859		CB	Palo Verde Dam	75	
993943	942900	######	0900	100699	11200	876		CB	Palo Verde Dam	75	
993944	942900	######	0815	100699	11200	880		CB	Palo Verde Dam	75	
993945	942752	######	0910	100699	11200	836	540	CB	Parker Dam	76	
993946	924850	######	0845	100699	11200	824	526	CB	Main Canal	76	
993947	9428508	######	1010	100699	11200	###	1370	CB	Poston Drain	76	
993948	9428509	######	1010	100699	11200	915	594	CB	Poston Canal	78	
993949	9428510	######	1010	100699	11200	###	1361	CB	Poston Wasteway	76	
993950	942900	######	0911	100699	11200	829	545	CB	Palo Verde Dam	77	
993951	942903	######	1100	100699	11200	###	1404	CB	Upper Levee Drain	76	
993952	942906	######	1045	100699	11200	###	1492	CB	Lower Levee Drain	77	
993953	942918	######	1315	100699	11200	887	584	ML	Taylor Ferry	77	
993954	942922	######	1135	100699	11200	###	1466	ML	PVID Outfall Drain	80	
993955	942932	######	1255	100699	11200	864	557	ML	Cibola	77	
993956	942930	######	1215	100699	11200	849	548	ML		77	
993958	942365	######	0900	100699	12000	###	894	WW	Topock Marsh	74	7.3
993959	942752	######	0815	100699	12000	886	594	CB	Parker Dam	74	7.6
993960	942850	######	0940	100699	12000	888	596	CB	Main Canal	74	7.6
993961	428508	######	1115	100699	12000	###	1320	CB	Poston Drain	73	7.6
993962	428509	######	1115	100699	12000	906	617	CB	Poston Canal	74	7.3
993963	428510	######	1115	100699	12000	###	1360	CB	Poston Wasteway	73	7.6
993964	942900	######	1210	100699	12000	895	603	CB	Palo Verde Canal	76	7.8
993965	942903	######	120	100699	12000	###	1508	CB	Upper Levee Drain	72	7.6
993966	942906	######	1145	100699	12000	###	1852	CB	Lower Main Drain	73	7.5
993967	942918	######	945	100699	12000	923	631	ML	Taylor Ferry	74	7.8
993968	942922	######	805	100699	12000	###	1544	ML	PVID	62	7.7
993969	942930	######	855	100699	12000	###	702	ML	Cibola Gage	74	7.7
993970		######	1015	100699	12000	881	600	CB	CAP Canal	75	7.6
993971		######	925	100699	12000	931	0	ML	Irr. Dist. New Pump	74	7.7
994247	9428508	######		111099	11200	###		CB	Poston Drain	68	

994248	9428508	######	111099	11200	###	CB	Poston Drain	70
994249	9428508	######	111099	11200	###	CB	Poston Drain	66
994250	9428508	######	111099	11200	###	CB	Poston Drain	66
994251	9428508	######	111099	11200	###	CB	Poston Drain	66
994252	9428509	######	111099	11200	910	CB	Poston Canal	71
994253	9428509	######	111099	11200	875	CB	Poston Canal	72
994254	9428509	######	111099	11200	907	CB	Poston Canal	67
994255	9428509	######	111099	11200	906	CB	Poston Canal	66
994256	9428509	######	111099	11200	892	CB	Poston Canal	65
994257	9428510	######	111099	11200	###	CB	Poston Wasteway	69
994258	9428510	######	111099	11200	###	CB	Poston Wasteway	70
994259	9428510	######	111099	11200	###	CB	Poston Wasteway	66
994260	9428510	######	111099	11200	###	CB	Poston Wasteway	66
994261	9428510	######	111099	11200	###	CB	Poston Wasteway	66
994262	942900	######	111099	11200	879	CB	Palo Verde Dam	73
994263	942900	######	111099	11200	881	CB	Palo Verde Dam	73
994264	942900	######	111099	11200	886	CB	Palo Verde Dam	71
994265	942900	######	111099	11200	893	CB	Palo Verde Dam	72
994266	942900	######	111099	11200	883	CB	Palo Verde Dam	73
994267	942900	######	111099	11200	876	CB	Palo Verde Dam	74
994268	942900	######	111099	11200	878	CB	Palo Verde Dam	73
994269	942900	######	111099	11200	878	CB	Palo Verde Dam	73
994270	942900	######	111099	11200	871	CB	Palo Verde Dam	73
994271	942900	######	111099	11200	890	CB	Palo Verde Dam	73
994272	942900	######	111099	11200	880	CB	Palo Verde Dam	72
994273	942900	######	111099	11200	888	CB	Palo Verde Dam	68
994274	942900	######	111099	11200	882	CB	Palo Verde Dam	67
994275	942900	######	111099	11200	884	CB	Palo Verde Dam	68
994276	942900	######	111099	11200	890	CB	Palo Verde Dam	68
994277	942900	######	111099	11200	884	CB	Palo Verde Dam	68
994278	942900	######	111099	11200	884	CB	Palo Verde Dam	68
994279	942900	######	111099	11200	885	CB	Palo Verde Dam	68
994280	942900	######	111099	11200	879	CB	Palo Verde Dam	67
994281	942900	######	111099	11200	874	CB	Palo Verde Dam	68
994282	942900	######	111099	11200	886	CB	Palo Verde Dam	67
994283	942900	######	111099	11200	880	CB	Palo Verde Dam	67
994284	942900	######	111099	11200	886	CB	Palo Verde Dam	66

994285	942900	######	111099	11200	874		CB	Palo Verde Dam	65
994286	942752	######	111099	11400	877	578	CB	Parker Dam	65
994287	942752	######	111099	11400	877	590	CB	Parker Dam	65
994288	942752	######	111099	11400	887	640	WW	Parker Dam	66
994289	924850	######	111099	11400	881	566	CB	Main Canal	70
994290	924850	######	111099	11400	884	582	CB	Main Canal	66
994291	924850	######	111099	11400	882	606	WW	Main Canal	64
994292	9428508	######	111099	11400	###	1361	CB	Poston Drain	72
994293	9428508	######	111099	11400	###	1364	CB	Poston Drain	67
994294	9428508	######	111099	11400	###	1382	WW	Poston Drain	65
994295	9428509	######	111099	11400	906	603	CB	Poston Canal	74
994296	9428509	######	111099	11400	913	607	CB	Poston Canal	68
994297	9428509	######	111099	11400	915	603	WW	Poston Canal	66
994298	9428510	######	111099	11400	###	1211	CB	Poston Wasteway	74
994299	9428510	######	111099	11400	###	1316	CB	Poston Wasteway	68
994300	9428510	######	111099	11400	###	1276	WW	Poston Wasteway	69
994301	942900	######	111099	11400	892	569		Palo Verde Dam	74
994302	942900	######	111099	11400	896	602		Palo Verde Dam	86
994303	942900	######	111099	11400	899	608		Palo Verde Dam	66
994304	942900	######	111099	11400	900	589		Palo Verde Dam	66
994305	942900	######	111099	11400	899	595		Palo Verde Dam	68
994306	942900	######	111099	11400	901	597		Palo Verde Dam	72
994307	942900	######	111099	11400	898	604		Palo Verde Dam	68
994308	942900	######	111099	11400	900	607		Palo Verde Dam	62
994309	942903	######	111099	11400	###	1462	CB	Upper Levee Drain	72
994310	942903	######	111099	11400	###	1422	CB	Upper Levee Drain	67
994311	942903	######	111099	11400	###	1502	WW	Upper Levee Drain	64
994312	942906	######	111099	11400	###	1574	CB	Lower Levee Drain	71
994313	942906	######	111099	11400	###	1356	CB	Lower Levee Drain	66
994314	942906	######	111099	11400	###	1490	WW	Lower Levee Drain	64
994315	942912	######	111099	11400	935	615	ML	Taylor Ferry	72
994316	942912	######	111099	11400	920	628	ML	Taylor Ferry	67
994317	942912	######	111099	11400	975	652	JW	Taylor Ferry	64
994318	942920	######	111099	11400	###	1472	ML	PVID Outfall Drain	72
994319	942920	######	111099	11400	###	1406	ML	PVID Outfall Drain	67
994320	942920	######	111099	11400	###	1424	JW	PVID Outfall Drain	64
994321	942930	######	111099	11400	932	613	ML	Cibola Gage	74

994322	942930	######		111099	11400	927	614	ML	Cibola Gage	67
994323	942930	######		111099	11400	###	745	JW	Cibola Gage	65
994324	942932	######		111099	11400	962	650	JW	Irr. Dist. Pump #2	65
994325		######		111099	11400	927	613	ML	Irr. Dist. Pumps 2 & new	65
994724	942752	######	1200	121799	11200	894			Parker Dam	64
994725	942752	######	1240	121799	11200	892			Parker Dam	59
994726	942850	######	1050	121799	11200	920		WW	Main Canal	58
994727	942850	######	1215	121799	11200	893		CB	Main Canal	59
994728	9428508	######	1030	121799	11200	###		WW	Poston Drain	64
994729	9428508	######	0940	121799	11200	###		CB	Poston Drain	62
994730	9428508	######	1050	121799	11200	###		WW	Poston Drain	58
994731	9428508	######	1120	121799	11200	###		CB	Poston Drain	62
994732	9428508	######	1030	121799	11200	###		CB	Poston Drain	58
994733	9428509	######	1052	121799	11200	###		JW	Poston Drain	58
994734	9428509	######	1030	121799	11200	912		WW	Poston Canal	64
994735	9428509	######	0940	121799	11200	917		CB	Poston Canal	62
994736	9428509	######	1130	121799	11200	888		WW	Poston Canal	60
994737	9428509	######	1120	121799	11200	919		CB	Poston Canal	58
994738	9428510	######	1030	121799	11200	910		CB	Poston Canal	56
994739	9428510	######	1150	121799	11200	931		JW	Poston Canal	54
994740	9428510	######	1030	121799	11200	###		WW	Poston Wasteway	64
994741	9428510	######	0940	121799	11200	###		CB	Poston Wasteway	62
994742	9428510	######	1040	121799	11200	###		WW	Poston Wasteway	59
994743	942900	######	1120	121799	11200	###		CB	Poston Wasteway	62
994744	942900	######	0930	121799	11200	###		CB	Poston Wasteway	79
994745	942900	######	0900	121799	11200	###		JW	Poston Wasteway	80
994746	942900	######	0840	121799	11200	897			Palo Verde Dam	79
994747	942900	######	0900	121799	11200	900			Palo Verde Dam	79
994748	942900	######	0845	121799	11200	925			Palo Verde Dam	78
994749	942900	######	0830	121799	11200	899			Palo Verde Dam	78
994750	942900	######	0850	121799	11200	902			Palo Verde Dam	75
994751	942900	######	0900	121799	11200	899			Palo Verde Dam	75
994752	942900	######	0900	121799	11200	901			Palo Verde Dam	78
994753	942900	######	0930	121799	11200	896			Palo Verde Dam	76
994754	942900	######	0930	121799	11200	898			Palo Verde Dam	78
994755	942900	######	0815	121799	11200	900			Palo Verde Dam	78
994756	942900	######	0930	121799	11200	904			Palo Verde Dam	77

994757	942900	######	0930	121799	11200	899			Palo Verde Dam	78
994758	942900	######	0952	121799	11200	899			Palo Verde Dam	78
994759	942900	######	0923	121799	11200	898			Palo Verde Dam	78
994760	942900	######	0820	121799	11200	901			Palo Verde Dam	78
994761	942900	######	0850	121799	11200	898			Palo Verde Dam	78
994762	942900	######	0830	121799	11200	896			Palo Verde Dam	
994763	942900	######	0820	121799	11200	897			Palo Verde Dam	77
994764	942900	######	0800	121799	11200	895			Palo Verde Dam	58
994765	942900	######	0840	121799	11200	905			Palo Verde Dam	58
994766	942900	######	0945	121799	11200	901			Palo Verde Dam	59
994767	942900	######	0930	121799	11200	899			Palo Verde Dam	59
994768	942900	######	0910	121799	11200	900			Palo Verde Dam	59
994769	942900	######	0930	121799	11200	897			Palo Verde Dam	58
994770	942900	######	0900	121799	11200	901			Palo Verde Dam	55
994771	942900	######	0845	121799	11200	955			Palo Verde Dam	55
994772	942900	######	0830	121799	11200	948			Palo Verde Dam	55
994773	942900	######	0800	121799	11200	938			Palo Verde Dam	54
994774	942900	######	0900	121799	11200	932			Palo Verde Dam	54
994775	942900	######	0930	121799	11200	990			Palo Verde Dam	54
994776	942900	######	0845	121799	11200	956			Palo Verde Dam	53
994777	942900	######	0845	121799	11200	912			Palo Verde Dam	52
994778	942903	######	1015	121799	11200	###		WW	Upper Levee Drain	59
994779	942903	######	1025	121799	11200	###		CB	Upper Levee Drain	60
994780	942906	######	0100	121799	11200	###		WW	Lower Main Drain	60
994781	942906	######	1030	121799	11200	###		CB	Lower Main Drain	62
994782	942752	######	1045	121799	21700	890	595	CB	Parker Dam	
994783	942850	######	1010	121799	21700	890	596	CB	Main Canal	
994784	9428508	######	0745	121799	21700	###	1378	ML	Poston Drain	
994785	9428508	######	1150	121799	21700	###	1468	CB	Poston Drain	
994786	9428509	######	0755	121799	21700	952	627	ML	Poston Canal	
994787	9428509	######	1150	121799	21700	913	617	CB	Poston Canal	
994788	9428510	######	0800	121799	21700	###	1056	ML	Poston Wasteway	
994789	9428510	######	1150	121799	21700	###	1475	CB	Poston Wasteway	
994790	942900	######	0830	121799	21700	907	623		Palo Verde Dam	
994791	942900	######	045	121799	21700	940	633		Palo Verde Dam	
994792	942903	######	1240	121799	21700	###	1452	CB	Upper Levee Drain	
994793	942906	######	1225	121799	21700	###	1640	CB	Lower Main Drain	

994794	942918	######	1230	121799	21700	967	661	ML	Taylor Ferry		
994795	942918	######	1150	121799	21700	968	659	WW	Taylor Ferry		
994796	942918	######	1445	121799	21700	###	682	ML	Taylor Ferry		
994797	942922	######	0930	121799	21700	###	1560	WW	PVID		
994798	942922	######	0900	121799	21700	###	1580	ML	PVID		
994799	942922	######	1200	121799	21700	###	1536	ML	PVID		
994800	942930	######	1050	121799	21700	962	658	ML	Cibola Gage		
994801	942930	######	1200	121799	21700	948	647	WW	Cibola Gage		
994802	942930	######	1330	121799	21700	###	709	ML	Cibola Gage		
994803	942932	######	1115	121799	21700	995	676	ML	Cibola I.D Pump 2, run		
994804		######	1100	121799	21700	978	668	WW	Irr. Dist. New Pump		
994807	94365	######	1330	121799	22400	###	896	WW	Topock Marsh	68	7.5
994808	94365	######	1100	121799	22400	###	945	CB	Topock Marsh	48	7.5
994809	942752	######	945	121799	22400	886	584	CB	Parker Dam	64	7.7
994810	942752	######	1430	121799	22400	884	608	WW	Parker Dam	56	7.8
994811	942850	######	920	121799	22400	883	580	CB	Main Canal	64	7.7
994812	942850	######	1140	121799	22400	884	582	WW	Main Canal	55	7.8
994813	9428508	######	1055	121799	22400	###	1444	CB	Poston Drain	65	7.6
994814	9428508	######	1100	121799	22400	###	1109	WW	Poston Drain	55	7.5
994815	9428509	######	1055	121799	22400	911	596	CB	Poston Canal	64	7.7
994816	9428509	######	1100	121799	22400	924	614	WW	Poston Canal	54	7.5
994817	9428510	######	1055	121799	22400	###	1436	CB	Poston Wasteway	65	7.7
994818	9428510	######	1100	121799	22400	###	1140	WW	Poston Wasteway	55	7.7
994819	942900	######	1155	121799	22400	896	587	CB	Palo Verde Canal	64	7.7
994820	942900	######	815	121799	22400	956	650		Palo Verde Canal	55	7.6
994821	942903	######	1145	121799	22400	###	1522	CB	Upper Levee Drain	65	7.7
994822	942903	######	1025	121799	22400	###	1483	WW	Upper Levee Drain	58	7.6
994823	942906	######	1130	121799	22400	###	1562	CB	Lower Main Drain	66	7.6
994824	942906	######	1015	121799	22400	###	1944	WW	Lower Main Drain	59	7.6
994825	942918	######	1615	121799	22400	953	627	ML	Taylor Ferry	68	7.7
994826	942918	######	930	121799	22400	###	704	ML	Taylor Ferry	54	7.8
994827	942922	######	1340	121799	22400	###	1402	ML	PVID	68	7.6
994828	942922	######	1520	121799	22400	###	1518	ML	PVID	62	7.6
994829	942930	######	1430	121799	22400	967	675	ML	Cibola Gage	66	7.6
994830	942930	######	1130	121799	22400	###	701	ML	Cibola Gage	54	7.6
994831	924931	######	1415	121799	22400	###	727	ML	Irr. Dist. New Pump	54	7.6
994832		######	1520	121799	22400	889	594	WW	CAP Canal	57	7.7

994833	######	1350	121799	22400	###	634	WW	Bill Williams River		56	7.7

NA	K	CA	MG	CO3	HCO3	CL	SO4	NO3	SI	B	F	NH4	PO4
42.5	0.3	8.8	2.8	0	4.03	33.3	20.3	100000	8	1.7	5.2	1000	1000
16.6	0.2	7.1	2.6	0	5.84	8.4	12.5	100000	9	0.7	2.6	1000	1000
17.8	0.2	4.2	2.6	0	5.82	7.5	10.8	100000	9	0.8	2.7	1000	1000
36.8	0.4	8.3	2.5	0	3.92	29.5	15.3	100000	11	1.5	4.5	1000	1000
31.3	0.3	8	2.8	0	4.35	25.5	14.6	100000	10	1.4	4.2	1000	1000
31	0.3	8	3	0	4.7	24.4	15.1	100000	8	1.4	4	1000	1000
47	0.3	8.8	5	0	10.5	26.7	25.5	100000	9	2.1	2.4	1000	1000
17.5	0.2	8.8	5	0	6.24	11.7	15.1	100000	9	0.7	1.3	1000	1000
14.7	0.2	9.1	4.7	0	6.48	9.53	13.5	100000	9	0.5	0.8	1000	1000
11.4	0.2	7.7	4.6	0	6.42	5.58	12.5	100000	6	0.4	0.5	1000	1000
16.1	0.2	5.5	2.8	0	6.94	5.36	11.7	100000	10	0.8	2.7	1000	1000
22.3	0.3	7.8	5.3	0	5.84	11.6	19.2	100000	12	0.9	2.2	1000	1000
10.7	0.2	8.4	5	0	6.27	5.7	13	100000	13	0.5	0.6	1000	1000
7.5	0.2	8.4	3.8	0	5.66	4.85	10.1	100000	6	0.3	0.3	1000	1000
10.1	0.2	8.7	4	0	5.66	7.11	11.2	100000	9	0.4	0.3	1000	1000
3.55	0.1	3.9	2.1	0	2.66	1.95	5.15	100000	4	0.3	0.3	1000	1000
3.45	0.1	3.9	2.2	0	2.82	2.14	4.78	1.1	1	1000	0.3	1000	1000
3.55	0.1	3.7	2.2	0	2.58	2.09	5.2	1.4	1	1000	0.3	1000	1000
5.9	0.2	4.7	3.7	0	3.1	3.61	8.42	0.4	2	1000	0.4	1000	1000
3.6	0.1	3.8	2.2	0	2.85	1.97	5.15	1.1	4	1000	0.3	1000	1000
3.65	0.1	3.9	2.2	0	2.48	2.09	5.1	1.2	4	1000	0.3	1000	1000
3.65	0.1	3.9	2.2	0	2.77	1.97	5.25	1.2	3	1000	0.3	1000	1000
9.9	0.2	8.1	4.3	0	5.52	5.08	11.3	1.8	10	1000	0.6	1000	1000
10.6	0.2	8.4	4.6	0	5.81	5.41	12.3	1.9	9	1000	0.6	1000	1000
4.2	0.1	4.2	1.7	0	2.8	2.26	5.56	1.9	4	1000	0.3	1000	1000
7.2	0.1	5.8	4.6	0	4.43	3.84	8.84	2.6	6	1000	0.5	1000	1000
10.8	0.2	8.8	4.7	0	5.78	5.64	13.6	1.9	9	1000	0.6	1000	1000
3.55	0.1	3.9	2.2	0	2.77	2.2	4.94	1.2	4	1000	0.3	1000	1000
11.7	0.1	9	5.2	0	5.49	6.66	14	0.9	8	1000	0.4	1000	1000
11.6	0.1	9.1	5.2	0	5.39	6.43	13.2	0.7	8	1000	0.4	1000	1000
11.6	0.2	8	4.6	0	4.88	7.78	12.5	2.2	7	1000	0.5	1000	1000
13.3	0.2	8.9	4.8	0	4.82	8.69	12.7	2	7	1000	0.6	1000	1000
3.7	0.1	4.1	2.3	0	3.09	2.2	5.82	1.1	5	1000	0.3	1000	1000
4.25	0.1	4.6	2.5	0	3.06	2.71	5.88	1.1	5	1000	0.3	1000	1000
15.8	0.2	8	4	0	6	10.2	16.6	2.1	10	1000	1.1	1000	1000

13.6	0.2	7.5	3.8	0	5.55	8.23	9.36	1.9	9	1000	0.9	1000	1000
4.1	0.1	4.2	2.3	0	2.85	2.17	5.3	1.1	5	1000	0.3	1000	1000
5.2	0.1	4.9	2.7	0	3.17	3.13	6.14	1	5	1000	0.4	1000	1000
3.3	0.1	3.9	2.2	0	2.62	1.86	5.15	100000	####	1000	1000	1000	1000
3	1	6.9	4.3	0	12.3	1.18	1.56	2.4	####	1000	0.6	1000	1000
3.1	0.9	4.3	4.6	0	10.4	0.96	1.77	8.9	####	1000	0.9	1000	1000
3.45	0.1	3.9	2.2	0	2.75	1.97	5.3	1.3	9	1000	0.3	1000	1000
3.35	0.1	3.8	2.2	0	2.66	1.75	5.2	1.2	8	1000	0.3	1000	1000
3.35	0.1	3.9	2.2	0	2.69	1.58	5.3	1.2	8	1000	0.3	1000	1000
3.5	0.1	3.8	2.4	0	2.72	1.75	5.25	1.3	8	1000	0.3	1000	1000
3.4	0.1	4	2.2	0	2.62	1.8	5.2	1.2	8	1000	0.3	1000	1000
9.3	0.2	8	4.6	0	5.31	4.85	12.4	1.6	22	1000	0.6	1000	1000
9.5	0.2	8.8	4.6	0	5.82	5.19	12.5	1.4	21	1000	0.6	1000	1000
3.45	0.1	3.9	2.2	0	2.69	1.92	5.3	1.4	8	1000	0.3	1000	1000
3.5	0.1	4	2.2	0	2.66	1.97	5.3	0.4	8	1000	0.3	1000	1000
8.8	0.1	8.1	4.3	0	5.38	4.85	11.7	1.5	19	1000	0.5	1000	1000
10	0.2	8.5	4.6	0	5.95	5.3	12.9	1.4	23	1000	0.6	1000	1000
3.45	0.1	4	2.2	0	2.67	1.92	5.2	1.2	8	1000	0.3	1000	1000
3.35	0.1	4	2.2	0	2.69	1.92	4.99	1.2	7	1000	0.3	1000	1000
9.8	0.1	8.6	4.9	0	5.14	5.41	13.5	0.8	18	1000	0.4	1000	1000
9.8	0.1	8.3	4.7	0	4.98	5.41	13.2	0.6	17	1000	0.3	1000	1000
12.9	0.2	8.9	5	0	5.06	8.91	13.4	2.2	17	1000	0.5	1000	1000
11.1	0.1	8	4.5	0	4.77	7.33	11.8	1.9	14	1000	0.5	1000	1000
4.05	0.1	4.4	2.4	0	2.91	2.31	5.72	1.3	8	1000	0.3	1000	1000
3.7	0.1	4.3	2.4	0	2.74	2.06	5.82	1.3	6	1000	0.3	1000	1000
14.1	0.2	7.2	3.7	0	5.54	8.01	11.9	1.8	16	1000	0.9	1000	1000
11.5	0.2	7.1	3.7	0	5.31	7.44	10.4	1.9	20	1000	0.9	1000	1000
4.05	0.1	4.4	2.4	0	3.04	2.31	5.72	1.3	11	1000	0.3	1000	1000
3.65	0.1	4.1	2.2	0	2.69	2.14	5.62	1.2	11	1000	0.3	1000	1000
3.65	0.1	4.1	2.3	0	2.91	1.86	5.3	1.2	11	1000	0.3	1000	1000

5.3	0.3	4	2	0	5.12	4.34	2.5	0.1	25	1000	1.4	1000	1000
3.45	0.2	4	2.2	0	2.69	2.06	4.73	1.3	8	1000	0.3	1000	1000
3.35	0.2	3.9	2.2	0	2.62	1.97	4.52	1.3	8	1000	0.3	1000	1000
6.3	0.3	5.2	3.8	0	3.28	3.5	8.94	0.4	1	1000	0.5	1000	1000
3.45	0.2	4	2.2	0	2.69	1.97	5.04	1.3	8	1000	0.3	1000	1000
3.45	0.2	4	2.2	0	2.67	1.95	5.04	1.2	6	1000	0.3	1000	1000
3.45	0.2	4.1	2.2	0	2.67	2.17	4.99	1.3	6	1000	0.3	1000	1000
3.45	0.2	4.1	2.2	0	2.66	1.66	4.99	1.2	7	1000	0.3	1000	1000
10.4	0.2	9	4.6	0	5.86	5.7	12.5	1.6	19	1000	0.7	1000	1000
9	0.2	8.3	4.3	0	5.42	5.02	11.3	1.1	17	1000	0.5	1000	1000
3.6	0.2	4	2.2	0	2.67	2.03	4.78	1.4	8	1000	0.3	1000	1000
3.55	0.2	4.1	2.2	0	2.7	2.06	5.15	1.4	8	1000	0.3	1000	1000
10.5	0.2	9	4.6	0	5.9	5.58	12.5	1.5	19	1000	0.7	1000	1000
9	0.2	8.4	4.3	0	5.49	5.36	11.9	1.1	17	1000	0.6	1000	1000
3.4	0.2	4.1	2.2	0	2.72	1.66	5.62	1.3	7	1000	0.3	1000	1000
3.45	0.2	4	2.2	0	2.66	1.89	4.89	1.3	7	1000	0.3	1000	1000
10.1	0.2	8.6	4.7	0	4.93	5.7	12.6	0.5	16	1000	0.3	1000	1000
10.1	0.2	8.5	4.8	0	6.66	5.64	12.3	0.5	16	1000	0.4	1000	1000
12.4	0.2	9	4.9	0	5.12	8.85	12.4	2.2	15	1000	0.5	1000	1000
10.6	0.2	8.1	4.3	0	4.72	6.88	11	1.7	15	1000	0.5	1000	1000
3.7	0.2	4.3	2.3	0	2.77	2.23	5.51	1.3	8	1000	0.2	1000	1000

3.8	0.2	4.3	2.3	0	2.75	2.26	5.1	1.3	7	1000	0.3	1000	1000
13.1	0.2	7.4	3.7	0	5.5	7.95	11.4	2	15	1000	0.8	1000	1000
14	0.2	7.5	3.8	0	5.52	8.63	11.4	2.1	16	1000	1	1000	1000
3.85	0.2	4.3	2.3	0	2.75	2.37	5.2	1.3	8	1000	0.3	1000	1000
5.75	0.2	2.7	2.8	0	3.12	3.07	5.77	1.3	10	1000	0.4	1000	1000
4	0.2	4	2.3	0	2.77	2.17	5.46	1.3	7	1000	0.3	1000	1000
4.2	0.2	2.5	2.7	0	2.7	1.89	5.25	1.3	8	1000	0.3	1000	1000

122	7	88	40	124	138	334	0.3	7	0.5
71	4	88	26	158	73	187	0.3	3	0.4
70	4	85	25	154	64	222	0.5	3	0.3
70	4	85	25	153	68	230	0.4	4	0.3
70	4	87	25	159	74	212	0.4	4	0.3
214	5	186	52	340	206	454	1.2	6	0.8
209	5	198	53	351	192	544	1.1	7	0.8
74	4	87	26	154	66	215	0.4	3	0.4
76	5	91	28	156	72	250	0.6	4	0.4
214	5	192	52	335	182	439	1.3	6	0.8
216	5	192	53	364	182	439	1.1	7	0.7
74	4	84	26	151	68	235	0.4	4	0.3
72	4	84	25	166	57	232	0.4	4	0.3
205	4	140	41	298	168	499	0.0	6	0.4
212	5	184	55	312	198	614	0.4	6	0.4
282	5	11	67	342	305	624	1.9	7	0.5
202	5	158	47	276	186	499	1.2	5	0.5
127	5	93	27	166	61	319	0.4	4	0.3
77	5	92	28	166	48	292	0.5	3	0.3
290	5	162	45	341	270	474	1.7	6	1.0
276	4	154	40	347	282	280	1.6	6	1.0

99	5	97	30	176	91	285	0.6	4	0.4
98	5	95	29	176	93	267	0.5	4	0.4
82	5	92	27	166	75	247	0.5	3	0.3
78	4	87	26	164	74	240	4.0	3	0.3
71	4	81	25	144	71	235	0.1	4	0.3
72	5	87	26	153	58	22	1.0	4	0.3

129	7	86	39	134	104	374	0.0	17	0.4
77	5	86	26	155	69	230	0.4	3	0.3
78	5	84	25	155	59	230	0.9	4	0.3
205	6	166	50	282	168	509	1.0	10	0.6
79	4	86	24	153	72	237	0.4	10	0.3
198	5	176	47	311	168	509	1.0	16	0.6
78	5	88	27	155	62	255	0.5	4	0.3
223	4	184	52	314	198	599	0.1	8	0.4
305	7	221	67	341	310	649	1.7	14	0.5
84	5	92	27	160	71	242	0.6	4	0.3
304	7	150	43	313	282	469	1.7	14	1.0
99	5	90	27	165	89	267	0.4	14	0.3
74	4	88	24	158	62	225	0.2	5	0.3
83	5	92	27	155	69	230	0.9	9	0.3

131	10	96	44	153	98	409	0.1	7	0.4
129	9	98	41	162	114	409	0.0	5	0.4
72	6	81	24	162	61	217	0.6	0	0.3
76	7	81	26	162	54	230	0.8	0	0.3
76	7	83	26	167	64	230	0.6	0	0.3
75	7	84	26	157	56	242	0.8	0	0.3
214	9	186	55	363	162	559	1.8	13	0.6
175	8	158	44	285	148	459	1.5	10	0.5
81	7	83	26	162	62	237	0.8	2	0.3
82	7	85	27	162	59	237	1.2	2	0.3
214	9	188	55	330	188	534	1.5	13	0.5
161	8	150	44	287	118	434	1.1	6	0.4
76	7	84	26	162	69	230	0.7	0	0.2
84	8	91	27	177	77	242	0.8	0	0.3
214	7	178	53	328	192	559	0.4	10	0.3
212	8	180	56	325	188	609	0.5	10	0.3
281	9	182	56	310	278	559	2.6	8	0.4
322	9	226	70	365	295	7874	0.9	11	0.6
83	7	89	27	177	69	242	0.8	0	0.3
94	7	100	30	196	89	255	0.8	0	0.3
267	9	154	46	326	240	484	1.7	9	0.5
685	9	164	49	331	242	474	1.8	13	0.8
84	7	90	27	179	70	242	0.7	0	0.3
93	7	97	29	194	88	257	0.7	1	0.3
91	7	105	29	196	86	265	0.8	0	0.3
74	7	85	26	159	62	230	0.8	0	0.3

113	21	81	23		319	124	112	0.0	17	1.3