

VII. Reclaimed Water Data Summary.

The results of all analyses performed on Reclaim water are summarized in tables with monthly and annual averages (and in some cases annual totals) calculated.

Graphs of monthly averages are presented.

South Bay Water Reclamation plant began reclaim water production on July 6, 2006.

- A. Reclaimed Water Data Summaries
- B. Reclaimed Water Graphs
- C. Daily Values of Selected Parameters
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- E. UV Performance Report

A. Reclaim Water Data Summaries

The results of all analyses performed on the SBWRP Reclaim are summarized in tables with monthly and annual averages (and in some cases annual totals) calculated.

South Bay Water Reclamation Plant
Annual Recycled Water Turbidity Report - 2006

Data from in-plant meter ⁴

Date	Average Daily Turbidity (NTU)	Minimum Daily ¹ Turbidity (NTU)	Maximum Daily ² Turbidity (NTU)	Time over ³ 5 ntu's (minutes)
Jan	0.20	0.15	0.20	0
Feb	1.90	1.89	1.90	0
Mar	1.02	0.59	1.46	0
Apr	0.37	0.21	1.10	0
May	0.27	0.19	0.73	0
Jun	0.25	0.29	0.30	0
Jul	0.27	0.24	0.35	0
Aug	0.37	0.31	0.51	0
Sep	0.28	0.26	0.38	0
Oct	0.70	0.47	0.93	0
Nov	0.58	0.44	0.80	0
Dec	0.77	0.57	1.04	0
Average:	0.85	0.47	0.81	0

¹ Minimum Daily value is the average recorded for the month.

² Maximum Daily value is the average recorded value for the month.

³ Total time for the month.

⁴ Compliance monitoring point, values taken from the combined filter effluent turbidity meter (N25AIT673), located at meter room of Area 25 (Tertiary Filter Structures)

SOUTH BAY WATER RECLAMATION PLANT

From 01-JUL-2006 To 31-DEC-2006

Reclaim Water
(SB_REC_WATER_34)

	Flow (mgd)	pH	Biochemical Oxygen Demand (mg/L)	Total Suspended Solids (mg/L)	Volatile Suspended Solids (mg/L)	Total Dissolved Solids (mg/L)
JULY -2006	4.81	7.40	5.1	1.9	<1.6	841
AUGUST -2006	5.42	7.37	<2.0	4.6	2.2	929
SEPTEMBER-2006	7.03	7.25	<2.0	<1.6	ND	895
OCTOBER -2006	6.45	7.26	2.1	<1.6	<1.6	894
NOVEMBER -2006	5.67	7.21	<2.0	<1.6	<1.6	817
DECEMBER -2006	6.40	7.10	4.3	<1.6	<1.6	*
Average	5.83	7.27	1.9	1.1	0.4	875

	Turbidity (NTU)
JULY -2006	1.26
AUGUST -2006	0.61
SEPTEMBER-2006	0.68
OCTOBER -2006	0.47
NOVEMBER -2006	0.77
DECEMBER -2006	1.36
Average	0.86

* = The requirement to monitor for TDS for December was not met. Monitoring was scheduled but not executed as planned. Remedial action has been taken to prevent a reoccurrence.

Nd=not detected; NS=not sampled; NA=not analyzed.

South Bay Water Reclamation Plant

01-JAN-200631-DEC-2006

Analytes	MDL Units	SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34	SB_REC_WATER_34
		08-AUG-2006	09-AUG-2006	03-OCT-2006	04-OCT-2006
Ammonia-N	.2 MG/L	ND	NR	ND	NR
BOD (Biochemical Oxygen Demand)	2 MG/L	2.1	NR	ND	NR
Hexane Extractable Material	1.4 MG/L	NR	1.6	NR	ND
Conductivity	10 UMHOS/CM	1490	NR	1400	NR
MBAS (Surfactants)	.03 MG/L	0.2	NR	0.4	NR
pH (grab)	PH	NR	7.5	NR	7.4
pH (composite)	PH	7.7	NR	8.1	NR
Total Alkalinity (bicarbonate)	1.5 MG/L	164	NR	157	NR
Total Dissolved Solids	42 MG/L	929	NR	894	NR
Total Suspended Solids	1.6 MG/L	ND	NR	ND	NR
Volatile Suspended Solids	1.6 MG/L	ND	NR	ND	NR
Total Kjeldahl Nitrogen	1.6 MG/L	ND	NR	1.7	NR
Turbidity	NTU	0.6	NR	0.5	NR

NA= Not Analyzed, ND= Not Detected, NR= Not required

SOUTH BAY WATER RECLAMATION PLANT
SB_REC_WATER_34 Reclaimed Water- Annual Averages

From: 01-JUL-2006 To: 31-DEC-2006

	Aluminum	Antimony	Arsenic	Barium	Beryllium	Boron
Max_MDL	6.6	1.02	.4	.02	.04	1.7
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
JULY -2006	206	1.1	NR	56.1	ND	392
AUGUST -2006	167	ND	0.49	51.0	ND	322
SEPTEMBER-2006	124	1.9	ND	44.9	ND	333
OCTOBER -2006	145	ND	0.46	45.0	ND	333
NOVEMBER -2006	NR	NR	NR	NR	NR	254
DECEMBER -2006	NR	NR	NR	NR	NR	218
Annual Average:	161	0.8	0.32	49.3	ND	309

	Cadmium	Chromium	Copper	Iron	Manganese	Mercury
Max_MDL	.19	.19	.39	37	.24	.09
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
JULY -2006	0.46	ND	12.2	40	11	NR
AUGUST -2006	ND	0.5	16.7	22	6	ND
SEPTEMBER-2006	ND	1.9	5.6	51	9	ND
OCTOBER -2006	0.32	ND	8.8	84	12	ND
NOVEMBER -2006	NR	NR	NR	51	4	NR
DECEMBER -2006	NR	NR	NR	ND	12	NR
Annual Average:	0.20	0.6	10.8	41	9	ND

	Nickel	Selenium	Thallium	Chloride	Fluoride	Sulfate
Max_MDL	.27	.28	1.8	7	.05	9
Units	UG/L	UG/L	UG/L	MG/L	MG/L	MG/L
JULY -2006	5.86	NR	ND	221	0.34	158
AUGUST -2006	5.52	0.42	ND	235	0.37	165
SEPTEMBER-2006	0.77	0.36	4.3	217	0.31	162
OCTOBER -2006	4.16	0.40	ND	217	0.36	160
NOVEMBER -2006	NR	NR	NR	225	0.41	150
DECEMBER -2006	NR	NR	NR	188	0.35	146
Annual Average:	4.08	0.39	1.1	217	0.36	157

ND= Not Detected
NA= Not Analyzed
NS= Not Sampled

SOUTH BAY WATER RECLAMATION PLANT
SB_REC_WATER_34 Reclaimed Water- Annual Averages

From: 01-JUL-2006 To: 31-DEC-2006

		Total Cyanides	MBAS	Percent Sodium	Calcium .04	Magnesium .1	Potassium .3
Max_MDL		MG/L	MG/L	%	MG/L	MG/L	MG/L
Units							
JULY -2006		NR	0.44	57	58.9	24.6	15.0
AUGUST -2006		ND	0.21	58	47.3	20.7	12.0
SEPTEMBER -2006		NR	0.25	58	54.4	24.8	14.6
OCTOBER -2006		ND	0.43	57	58.0	25.4	16.1
NOVEMBER -2006		NR	0.33	57	52.6	23.8	13.9
DECEMBER -2006		NR	0.36	58	54.1	20.2	15.7
Annual Average:		ND	0.34	58	54.2	23.3	14.6

		Sodium	Calcium Hardness	Magnesium Hardness	Total Hardness	Total Dissolved Solids	Lithium
Max_MDL		1	.04	.1	.1	42	.002
Units		MG/L	0.2 MG/L	0.08 MG/L	0.08 MG/L	1200	MG/L
JULY -2006		161	147	101	248	841	0.03
AUGUST -2006		138	118	85	203	929	0.02
SEPTEMBER-2006		165	136	102	238	895	0.03
OCTOBER -2006		167	145	104	249	894	0.03
NOVEMBER -2006		151	132	98	230	817	0.02
DECEMBER -2006		148	135	83	218	*	0.03
Annual Average:		155	135.5	96	231	875	0.03

		Cobalt	Molybdenum	Vanadium	Nitrate	Ortho Phosphate	Total Alkalinity
Max_MDL		.16	.12	.48	.04	.2	1.5
Units		UG/L	UG/L	UG/L	MG/L	MG/L	MG/L
JULY -2006		ND	2.7	0.7	32.8	8.45	162
AUGUST -2006		0.76	2.2	0.8	36.6	8.85	164
SEPTEMBER-2006		0.34	2.0	1.2	33.6	9.02	148
OCTOBER -2006		ND	5.9	ND	30.2	10.80	157
NOVEMBER -2006		NR	NR	NR	NR	NR	156
DECEMBER -2006		NR	NR	NR	NR	NR	131
Annual Average:		0.275	3.20	0.675	33.3	9.28	153

* = The requirement to monitor for TDS for December was not met. Monitoring was scheduled but not executed as planned. Remedial action has been taken to prevent a reoccurrence.

ND= Not Detected
NA= Not Analyzed
NS= Not Sampled
NR= Not required

SOUTH BAY WATER RECLAMATION PLANT
(Metals from Digestion and Ions from Supernatant)

From: 01-JUL-2006 To: 31-DEC-2006

Source:			SB_REC_WATER_3SB_REC_WATER_34	
Date:			08-AUG-2006	03-OCT-2006
Sample ID:	MDL	Units	P351177	P355833
=====	=====	=====	=====	=====
Aluminum	6.6	UG/L	167	145
Antimony	1.02	UG/L	ND	ND
Arsenic	.4	UG/L	0.49	0.46
Barium	.02	UG/L	51	45
Beryllium	.04	UG/L	ND	ND
Boron	1.1	UG/L	322	333
Cadmium	.19	UG/L	ND	0.3
Chromium	.19	UG/L	0.45	ND
Cobalt	.16	UG/L	0.76	ND
Copper	.39	UG/L	17	9
Iron	.79	UG/L	22	84
Lead	1.4	UG/L	ND	ND
Manganese	.049	UG/L	6.19	11.50
Mercury	.09	UG/L	ND	ND
Molybdenum	.12	UG/L	2.24	5.86
Nickel	.27	UG/L	5.52	4.16
Selenium	.28	UG/L	0.42	0.40
Silver	.16	UG/L	ND	0.3
Thallium	1.8	UG/L	ND	ND
Vanadium	.48	UG/L	0.83	ND
Zinc	.55	UG/L	34	38
Bromide	.1	MG/L	0.36	0.37
Chloride	7	MG/L	235	217
Fluoride	.05	MG/L	0.37	0.36
Nitrate	.04	MG/L	36.6	30.2
Ortho Phosphate	.2	MG/L	8.9	10.8
Sulfate	9	MG/L	165	160
Calcium	.034	MG/L	47	58
Lithium	.001	MG/L	0.02	0.03
Magnesium	.014	MG/L	21	25
Potassium	.04	MG/L	12	16
Sodium	.22	MG/L	138	167
Calcium Hardness	.2	MG/L	118	145
Magnesium Hardness	.08	MG/L	85	105
Total Hardness	.22	MG/L	203	249
Cyanides, Total	.002	MG/L	ND	ND
Sulfides-Total	.18	MG/L	ND	ND
Total Kjeldahl Nitrogen	1.6	MG/L	ND	1.7
Ammonia-N	.2	MG/L	ND	ND
Percent Sodium		PERCENT	57.9	57.4

ND= Not Detected
 NA= Not Analyzed
 NS= Not Sampled
 NR= Not Required

SOUTH BAY WATER RECLAMATION PLANT
Radioactivity

From: 01-JAN-2006 To: 31-DEC-2006

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
=====	=====	=====	=====	=====
SB_REC_WATER_34	08-AUG-2006	P351177	0.9±0.8	11.4±3.0
SB_REC_WATER_34	03-OCT-2006	P355833	0.3±0.7	15.0±3.0

NA= Not Analyzed, ND= Not Detected, NS= Not Sampled, NR= Not Required

Units in picocuries per Liter (pCi/L)

South Bay Water Reclamation Plant
Annual Report - Chlorinated Pesticides

From:01-JAN-2006
To:31-DEC-2006

Analyte	MDL	Units	SB_REC_WATER_3SB_REC_WATER_34	
			08-AUG-2006 P351177	03-OCT-2006 P355833
Aldrin	60	NG/L	ND	ND
BHC, Alpha isomer	20	NG/L	ND	ND
BHC, Beta isomer	20	NG/L	ND	ND
BHC, Delta isomer	20	NG/L	ND	ND
BHC, Gamma isomer	10	NG/L	14	ND
Alpha (cis) Chlordane	30	NG/L	ND	ND
Gamma (trans) Chlordane	80	NG/L	ND	ND
Alpha Chlordene		NG/L	NA	NA
Gamma Chlordene		NG/L	NA	NA
Cis Nonachlor	20	NG/L	ND	ND
Dieldrin	50	NG/L	ND	ND
Endosulfan Sulfate	20	NG/L	ND	ND
Alpha Endosulfan	30	NG/L	ND	ND
Beta Endosulfan	20	NG/L	ND	ND
Endrin	50	NG/L	ND	ND
Endrin aldehyde	20	NG/L	ND	ND
Heptachlor	20	NG/L	ND	ND
Heptachlor epoxide	20	NG/L	ND	ND
Methoxychlor	60	NG/L	ND	ND
Mirex	20	NG/L	ND	ND
o,p-DDD	20	NG/L	ND	ND
o,p-DDE	100	NG/L	ND	ND
o,p-DDT	20	NG/L	ND	ND
Oxychlordane	20	NG/L	ND	ND
PCB 1016	4000	NG/L	ND	ND
PCB 1221	4000	NG/L	ND	ND
PCB 1232	4000	NG/L	ND	ND
PCB 1242	4000	NG/L	ND	ND
PCB 1248	2000	NG/L	ND	ND
PCB 1254	2000	NG/L	ND	ND
PCB 1260	2000	NG/L	ND	ND
PCB 1262	2000	NG/L	ND	ND
p,p-DDD	20	NG/L	ND	ND
p,p-DDE	20	NG/L	ND	ND
p,p-DDT	50	NG/L	ND	ND
Toxaphene	4000	NG/L	ND	ND
Trans Nonachlor	20	NG/L	ND	ND
Heptachlors	20	NG/L	0	0
Endosulfans	30	NG/L	0	0
Polychlorinated biphenyls	4000	NG/L	0	0
Chlordane + related cmpds.	80	NG/L	0	0
DDT and derivatives	100	NG/L	0	0
Hexachlorocyclohexanes	20	NG/L	14	0
Aldrin + Dieldrin	60	NG/L	0	0
Chlorinated Hydrocarbons	4000	NG/L	14	0

NA= Not Analyzed, ND= Not Detected

South Bay Water Reclamation Plant
Annual report - OrganoPhosphorus Pesticides

From:01-JAN-2006
To: 31-DEC-2006

Analyte	MDL	Units	SB_REC_WATER_34 03-OCT-2006 P355833
Demeton O	.15	UG/L	ND
Demeton S	.08	UG/L	ND
Diazinon	.03	UG/L	ND
Guthion	.15	UG/L	ND
Malathion	.03	UG/L	ND
Parathion	.03	UG/L	ND
Thiophosphorus Pesticides	.15	UG/L	0.000
Demeton -O, -S	.15	UG/L	0.000
Total Organophosphorus Pesticides	.3	UG/L	0.000
Tetraethylpyrophosphate		UG/L	NA
Dichlorvos	.05	UG/L	ND
Dibrom	.2	UG/L	ND
Ethoprop	.04	UG/L	ND
Phorate	.04	UG/L	ND
Sulfotepp	.04	UG/L	ND
Disulfoton	.02	UG/L	ND
Monocrotophos		UG/L	NA
Dimethoate	.04	UG/L	ND
Ronnel	.03	UG/L	ND
Trichloronate	.04	UG/L	ND
Merphos	.09	UG/L	ND
Dichlofenthion	.03	UG/L	ND
Tokuthion	.06	UG/L	ND
Stirophos	.03	UG/L	ND
Bolstar	.07	UG/L	ND
Fensulfothion	.07	UG/L	ND
EPN	.09	UG/L	ND
Coumaphos	.15	UG/L	ND
Mevinphos, e isomer	.05	UG/L	ND
Mevinphos, z isomer	.3	UG/L	ND
Chlorpyrifos	.03	UG/L	ND

NA= Not Analyzed, ND= Not Detected

SOUTH BAY WATER RECLAMATION FACILITY
 ANNUAL REPORT
 Organotin

From: 01-JAN-2006 To: 31-DEC-2006

Analyte	MDL	Units	SB_REC_WATER_34	SB_REC_WATER_34
			08-AUG-2006	03-OCT-2006
			P351177	P355833
Tributyl tin	2	UG/L	ND	ND
Dibutyl tin	7	UG/L	ND	ND
Monobutyl Tin	16	UG/L	ND	ND

NA= Not Analyzed, ND= Not Detected

South Bay Water Reclamation Plant
Annual Report - Phenols

From: 01-JAN-2006
To: 31-DEC-2006

Analyte	MDL	Units	SB_REC_WATER_34	SB_REC_WATER_34
			08-AUG-2006	03-OCT-2006
			P351177	P355833
2,4,6-trichlorophenol	1.75	UG/L	ND	ND
2,4-dichlorophenol	1.95	UG/L	ND	ND
2,4-dimethylphenol	1.32	UG/L	ND	ND
2,4-dinitrophenol	6.07	UG/L	ND	ND
2-methyl-4,6-dinitrophenol	4.29	UG/L	ND	ND
2-chlorophenol	1.76	UG/L	ND	ND
2-nitrophenol	1.88	UG/L	ND	ND
4-chloro-3-methylphenol	1.34	UG/L	ND	ND
4-nitrophenol	3.17	UG/L	ND	ND
Pentachlorophenol	5.87	UG/L	ND	ND
Phenol	2.53	UG/L	ND	ND
Total Non-Chlorinated Phenols	6.07	UG/L	0.00	0.00
Total Chlorinated Phenols	5.87	UG/L	0.00	0.00
Total Phenols	6.07	UG/L	0.00	0.00

Additional analytes determined;

2-methylphenol	1.51	UG/L	ND	ND
3-methylphenol(4-MP is unresolved)	4.4	UG/L	ND	ND
4-methylphenol(3-MP is unresolved)	4.22	UG/L	ND	ND
2,4,5-trichlorophenol	1.66	UG/L	ND	ND

Nd= not detected, NA= not analyzed, NS= not sampled

South Bay Water Reclamation Plant
Annual Report - Base/Neutrals

From:01-JAN-2006
To:31-DEC-2006

SB_REC_WATER_SB_REC_WATER_34
08-AUG-2006 03-OCT-2006

Analyte	MDL	Units	SB_REC_WATER_SB_REC_WATER_34	
			08-AUG-2006	03-OCT-2006
			P351177	P355833
=====	=====	=====	=====	=====
1,2,4-trichlorobenzene	1.44	UG/L	ND	ND
1,2-dichlorobenzene	1.63	UG/L	ND	ND
1,2-diphenylhydrazine	2.49	UG/L	ND	ND
1,3-dichlorobenzene	1.65	UG/L	ND	ND
1,4-dichlorobenzene	2.3	UG/L	ND	ND
2,4-dinitrotoluene	1.49	UG/L	ND	ND
2,6-dinitrotoluene	1.93	UG/L	ND	ND
Dibenzo(A,H)anthracene	6.19	UG/L	ND	ND
Diethyl phthalate	6.97	UG/L	ND	ND
Dimethyl phthalate	3.26	UG/L	ND	ND
Di-n-butyl phthalate	6.49	UG/L	ND	ND
Di-n-octyl phthalate	8.59	UG/L	ND	ND
2-chloronaphthalene	2.41	UG/L	ND	ND
3,3-dichlorobenzidine	2.43	UG/L	ND	ND
3,4-benzo(B)fluoranthene	6.63	UG/L	ND	ND
4-bromophenyl phenyl ether	4.04	UG/L	ND	ND
4-chlorophenyl phenyl ether	3.62	UG/L	ND	ND
Hexachloroethane	3.55	UG/L	ND	ND
Hexachlorobenzene	4.8	UG/L	ND	ND
Hexachlorobutadiene	2.87	UG/L	ND	ND
Hexachlorocyclopentadiene		UG/L	ND	ND
Acenaphthene	2.2	UG/L	ND	ND
Acenaphthylene	2.02	UG/L	ND	ND
Anthracene	4.04	UG/L	ND	ND
Bis-(2-chloroisopropyl) ether	8.95	UG/L	ND	ND
Bis-(2-ethylhexyl) phthalate	10.43	UG/L	42.2*	ND
Benzidine	1.02	UG/L	ND	ND
Benzo[A]anthracene	7.68	UG/L	ND	ND
Benzo[A]pyrene	6.53	UG/L	ND	ND
Benzo[G,H,I]perylene	6.5	UG/L	ND	ND
Benzo[K]fluoranthene	7.36	UG/L	ND	ND
bis(2-chloroethoxy)methane	1.57	UG/L	ND	ND
bis(2-chloroethyl) ether	2.62	UG/L	ND	ND
Butyl benzyl phthalate	4.77	UG/L	ND	ND
Chrysene	7.49	UG/L	ND	ND
Fluoranthene	6.9	UG/L	ND	ND
Fluorene	2.43	UG/L	ND	ND
Indeno(1,2,3-CD)pyrene	6.27	UG/L	ND	ND
Isophorone	1.93	UG/L	ND	ND
Naphthalene	1.52	UG/L	ND	ND
Nitrobenzene	1.52	UG/L	ND	ND
N-nitrosodimethylamine	2.01	UG/L	ND	ND
N-nitrosodiphenylamine	2.96	UG/L	ND	ND
N-nitrosodi-n-propylamine	1.63	UG/L	ND	ND
Phenanthrene	4.15	UG/L	ND	ND
Pyrene	5.19	UG/L	ND	ND
=====	=====	=====	=====	=====
Polynuc. Aromatic Hydrocarbons	7.68	UG/L	0.0	0.0
Total Dichlorobenzenes	1.65	UG/L	0.0	0.0
=====	=====	=====	=====	=====
Base/Neutral Compounds	10.43	UG/L	0.0	0.0
1-methylnaphthalene	2.18	UG/L	ND	ND
2-methylnaphthalene	2.25	UG/L	ND	ND
2,6-dimethylnaphthalene	3.31	UG/L	ND	ND
2,3,5-trimethylnaphthalene	4.4	UG/L	ND	ND
1-methylphenanthrene	6.29	UG/L	ND	ND
Benzo[e]pyrene	7.67	UG/L	ND	ND
Perylene	6.61	UG/L	ND	ND
Biphenyl	2.43	UG/L	ND	ND

* =Contamination from methylene chloride purchased from Fisher; solvent has been discontinued from use.Data is for review only and not included in averages.

NA= Not Analyzed, ND= Not Detected

SOUTH BAY WASTEWATER TREATMENT PLANT
Annual Priority Pollutants Purgeable Compounds, EPA Method 624 Report

From: 01-JAN-2006 To: 31-DEC-2006

Analyte	MDL	Units	SB_REC_WATER_3	SB_REC_WATER_34
			09-AUG-2006 P351180	04-OCT-2006 P355836
Chloromethane	1	UG/L	ND	ND
Vinyl chloride	1	UG/L	ND	ND
Bromomethane	1	UG/L	ND	ND
Chloroethane	1	UG/L	ND	ND
Trichlorofluoromethane	1	UG/L	ND	ND
Acrolein	11.4	UG/L	ND	ND
1,1-dichloroethane	1	UG/L	ND	ND
Methylene chloride	1	UG/L	ND	ND
trans-1,2-dichloroethene	1	UG/L	ND	ND
1,1-dichloroethene	1	UG/L	ND	ND
Acrylonitrile	13.8	UG/L	ND	ND
Chloroform	1	UG/L	ND	ND
1,1,1-trichloroethane	1	UG/L	ND	ND
Carbon tetrachloride	1	UG/L	ND	ND
Benzene	1	UG/L	ND	ND
1,2-dichloroethane	1	UG/L	ND	ND
Trichloroethene	1	UG/L	ND	ND
1,2-dichloropropane	1	UG/L	ND	ND
Bromodichloromethane	1	UG/L	ND	ND
2-chloroethylvinyl ether	1	UG/L	ND	ND
cis-1,3-dichloropropene	1	UG/L	ND	ND
Toluene	1	UG/L	ND	ND
trans-1,3-dichloropropene	1	UG/L	ND	ND
1,1,2-trichloroethane	1	UG/L	ND	ND
Tetrachloroethene	1	UG/L	ND	ND
Dibromochloromethane	1	UG/L	ND	ND
Chlorobenzene	1	UG/L	ND	ND
Ethylbenzene	1	UG/L	ND	ND
Bromoform	1	UG/L	ND	ND
1,1,2,2-tetrachloroethane	1	UG/L	ND	ND
1,3-dichlorobenzene	1	UG/L	ND	ND
1,4-dichlorobenzene	1	UG/L	ND	ND
1,2-dichlorobenzene	1	UG/L	ND	ND
===== Halomethane Purgeable Cmpnds	1	UG/L	0.0	0.0
===== Purgeable Compounds	13.8	UG/L	0.0	0.0
===== Methyl Iodide	1	UG/L	ND	ND
Carbon disulfide	1	UG/L	ND	ND
Acetone	20	UG/L	ND	ND
Allyl chloride	1	UG/L	ND	ND
Methyl tert-butyl ether	1	UG/L	ND	ND
Chloroprene	1.4	UG/L	ND	ND
1,2-dibromoethane	3.3	UG/L	ND	ND
2-butanone	4	UG/L	ND	ND
Methyl methacrylate	4.6	UG/L	ND	ND
2-nitropropane	10	UG/L	ND	ND
4-methyl-2-pentanone	6.1	UG/L	ND	ND
meta,para xylenes	3.1	UG/L	ND	ND
ortho-xylene	3.4	UG/L	ND	ND
Isopropylbenzene	4.4	UG/L	ND	ND
Styrene	4.7	UG/L	ND	ND
Benzyl chloride	7.2	UG/L	ND	ND
1,2,4-trichlorobenzene	4.9	UG/L	ND	ND

ND= not detected, NA= not analyzed, NS= not sampled

South Bay Water Reclamation Plant
Annual report
Benzidines

From: 01-JAN-2006
To: 31-DEC-2006

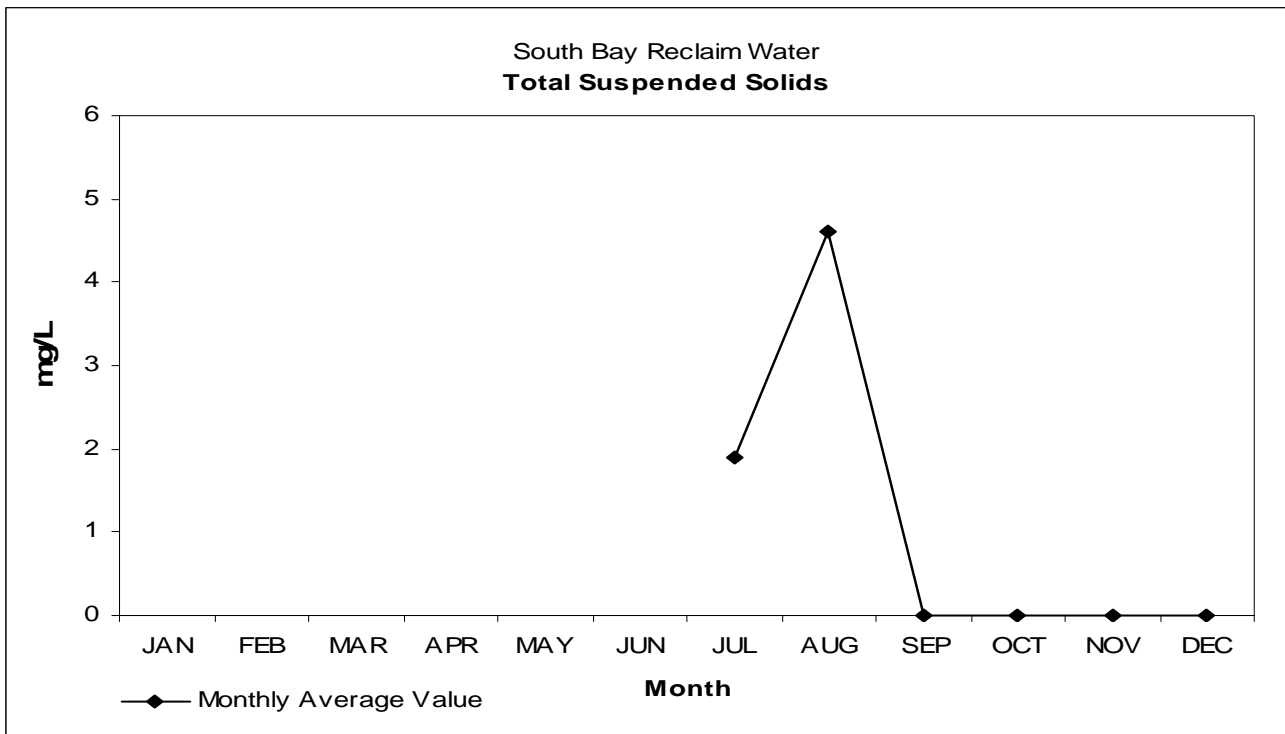
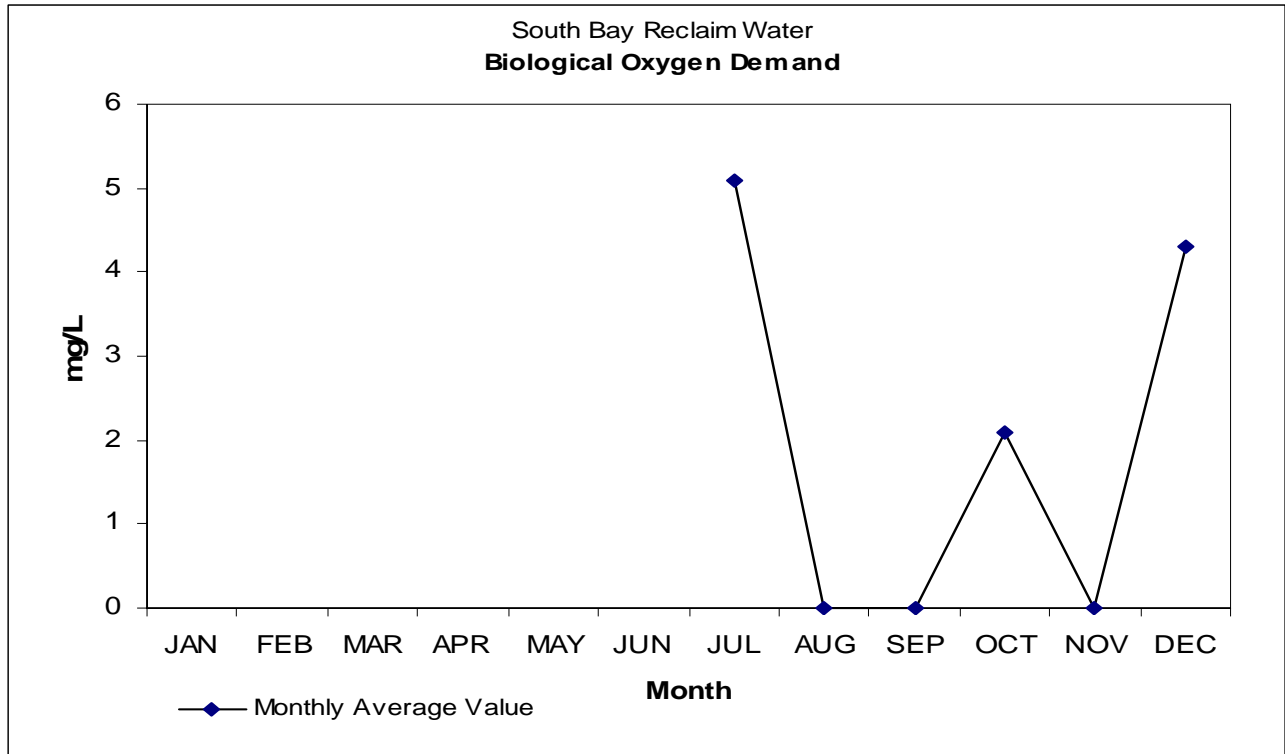
Source:		SB_REC_WATER_34	SB_REC_WATER_34
Date:		08-AUG-2006	03-OCT-2006
	MDL Units	P351177	P355833
3,3-dichlorobenzidine	2.43 UG/L	ND	ND
Benzidine	1.02 UG/L	ND	ND

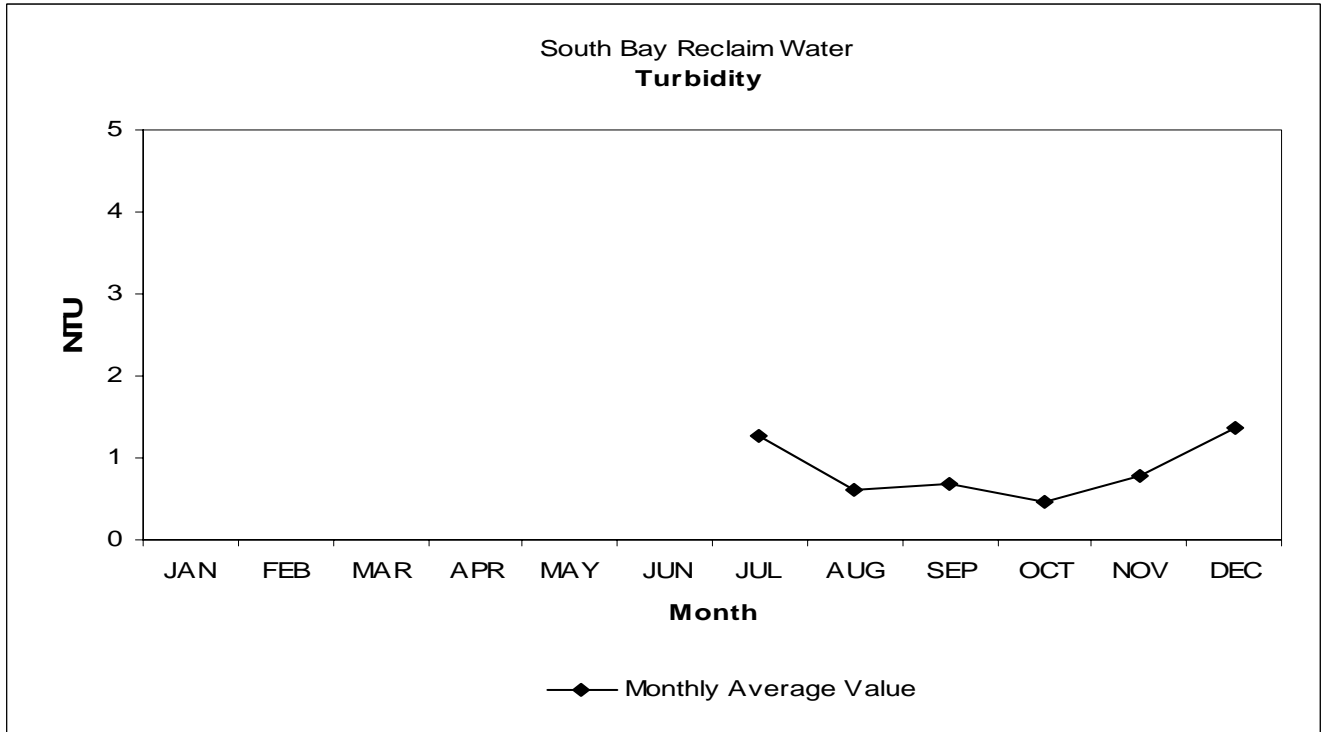
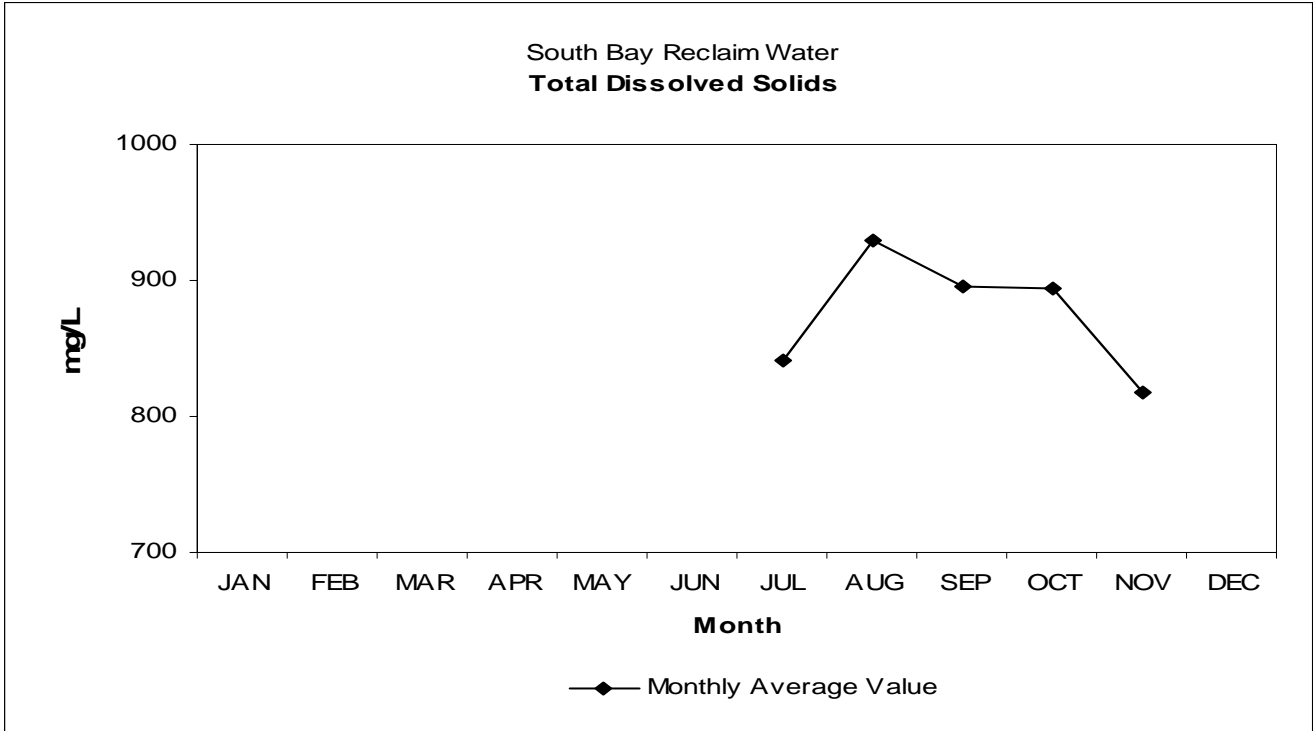
NA= Not Analyzed, ND= Not Detected

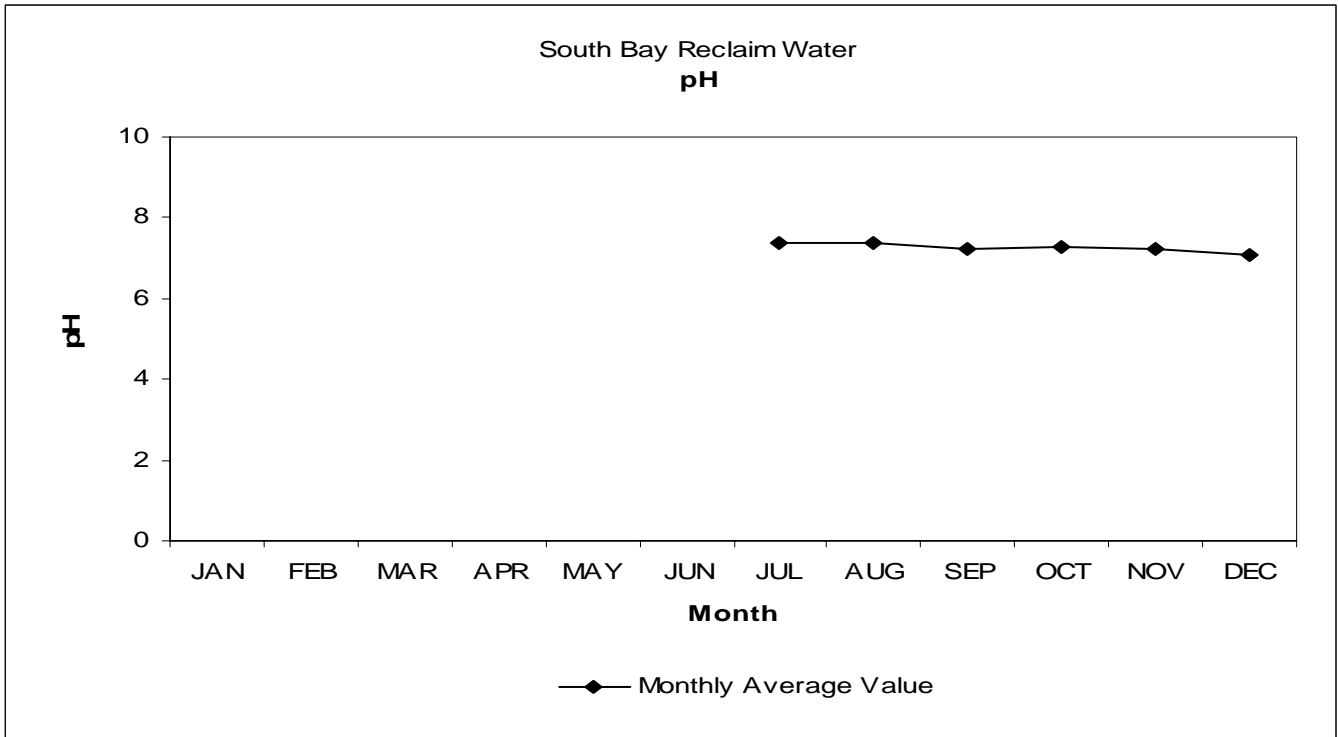
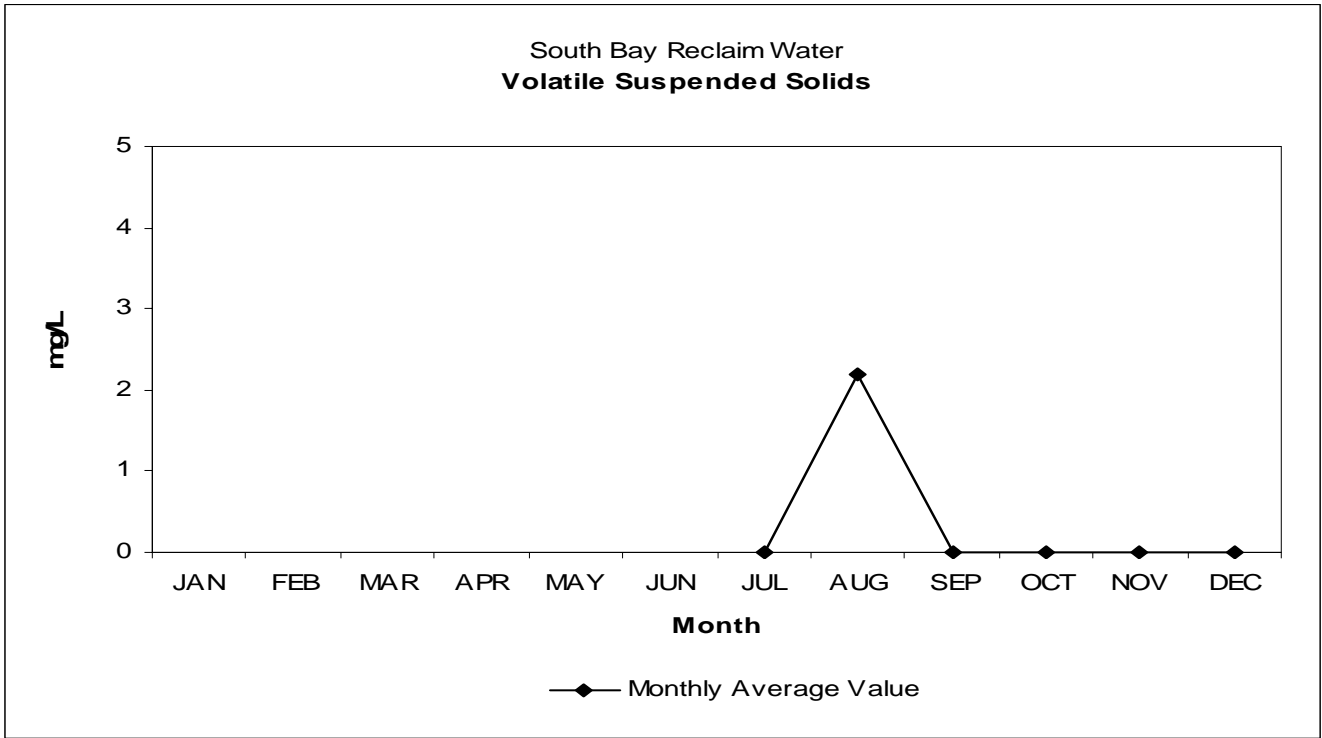
B. Reclaimed Water Graphs

Graphs of monthly averages for permit parameters with measurable concentration averages.

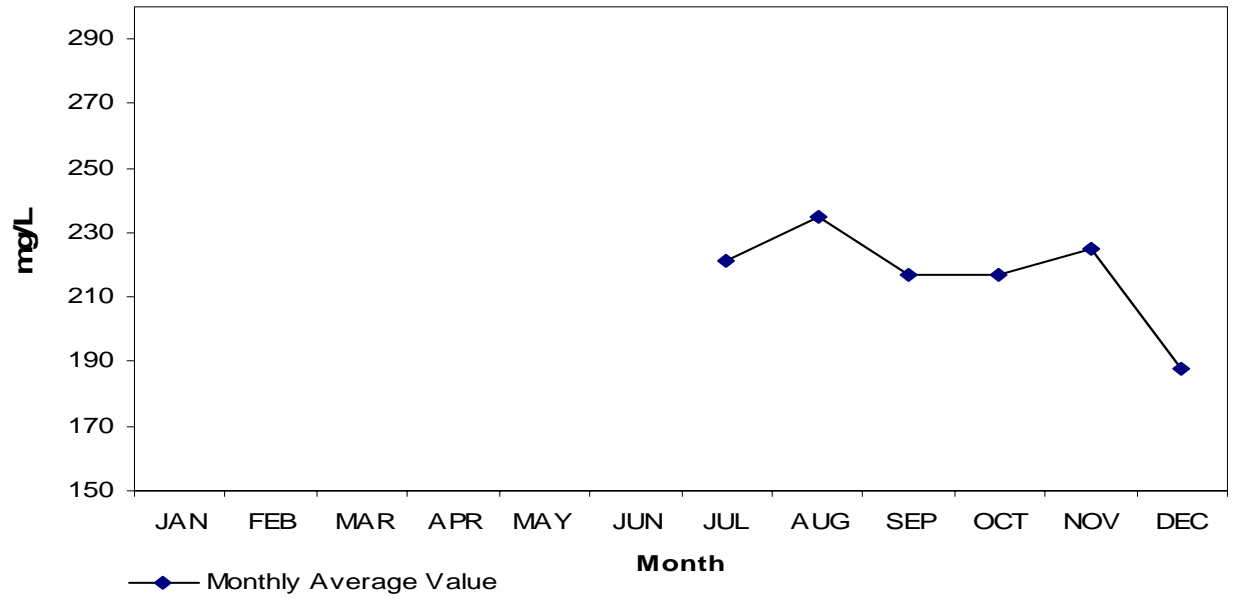
Please note that many of the graphs are on expanded scales. That is, they normally don't go to zero concentrations but show, in magnified scale, that range of concentrations where variation takes place. This makes differences and some trends obvious that might normally not be noticed. However, it also provides the temptation to interpret minor changes or trends as being of more significance than they are. Frequent reference to the scales and the actual differences in concentrations is therefore necessary.



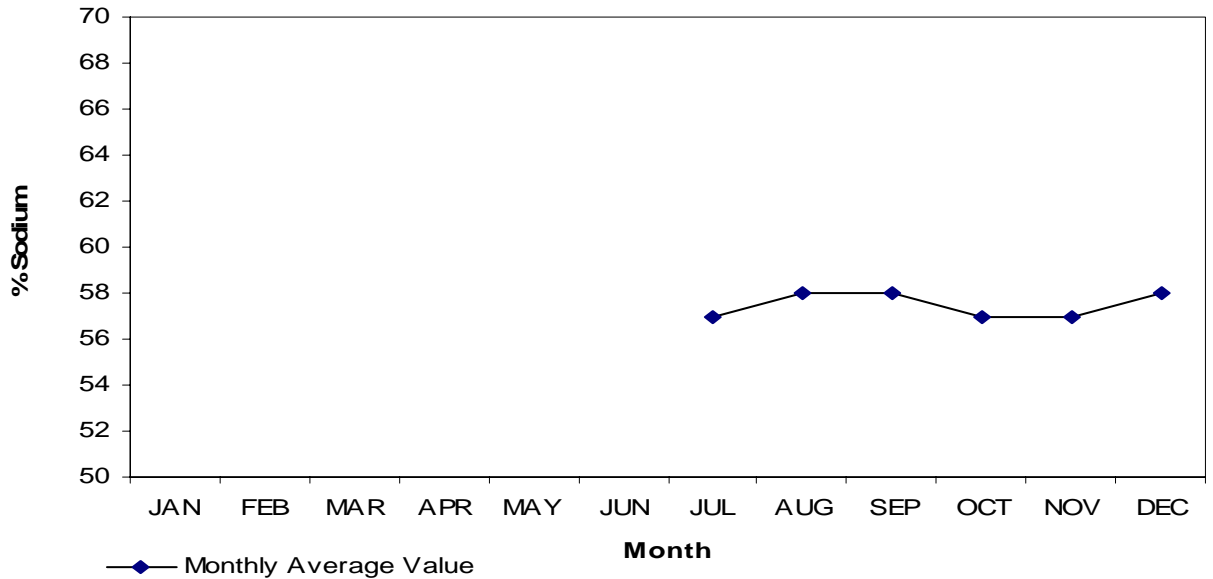


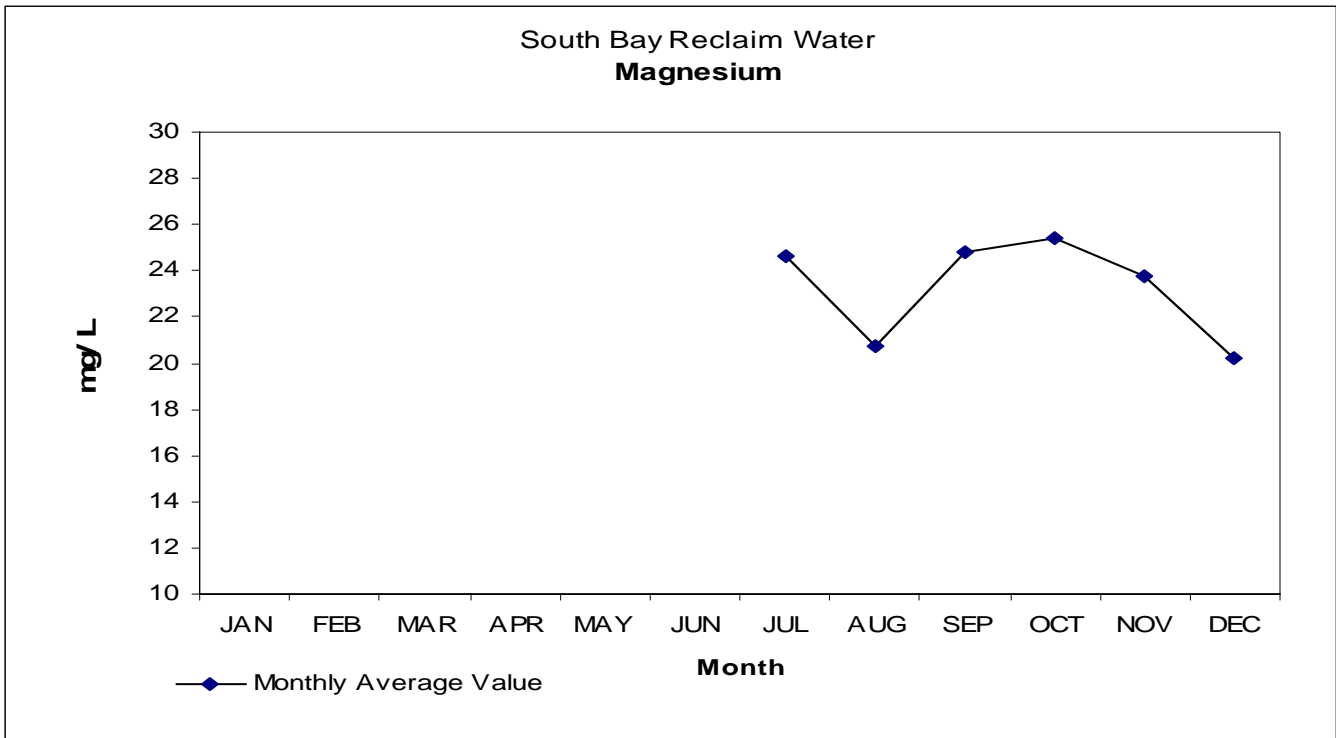
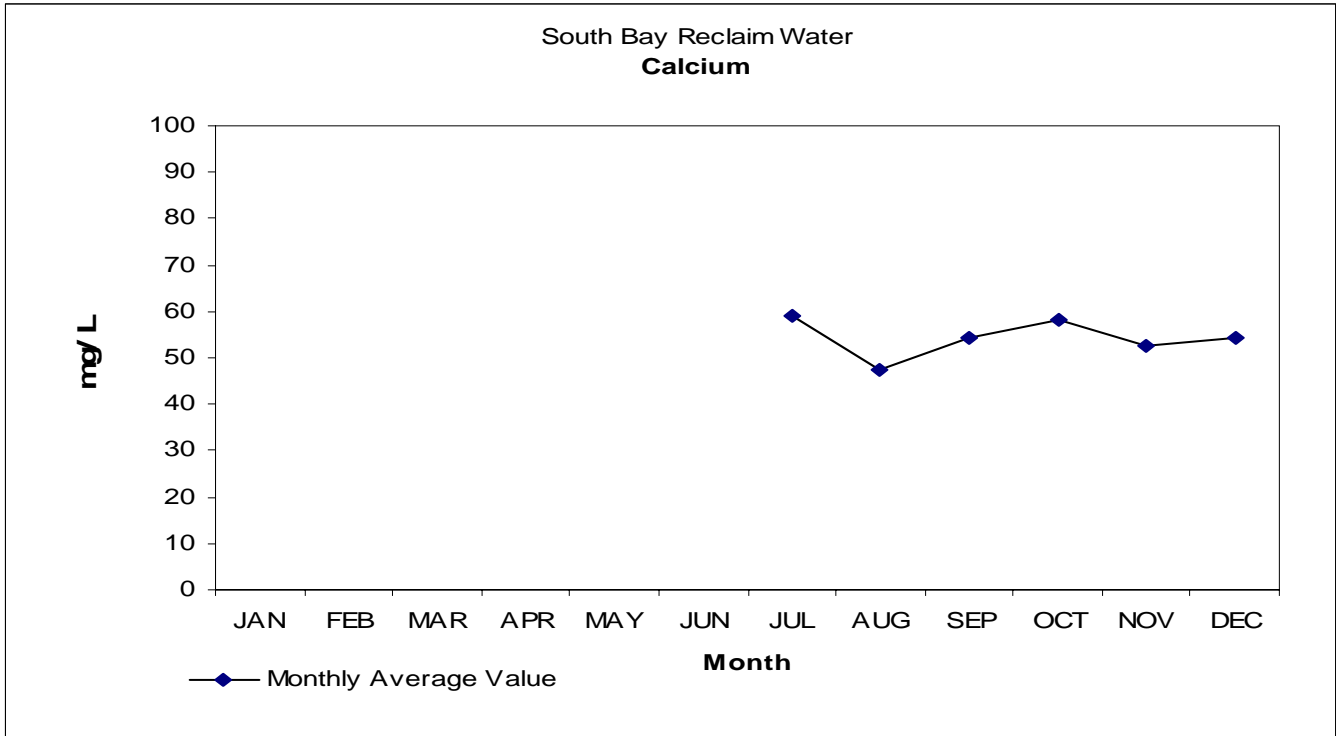


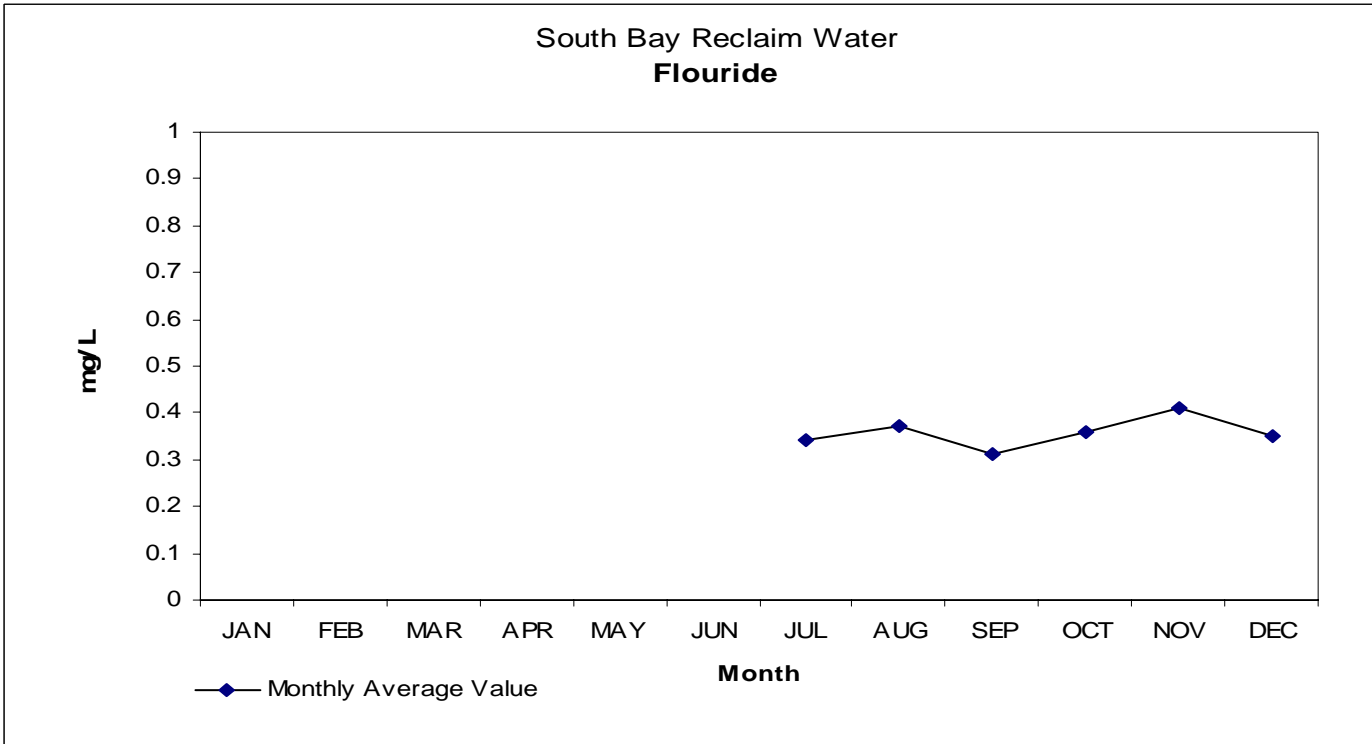
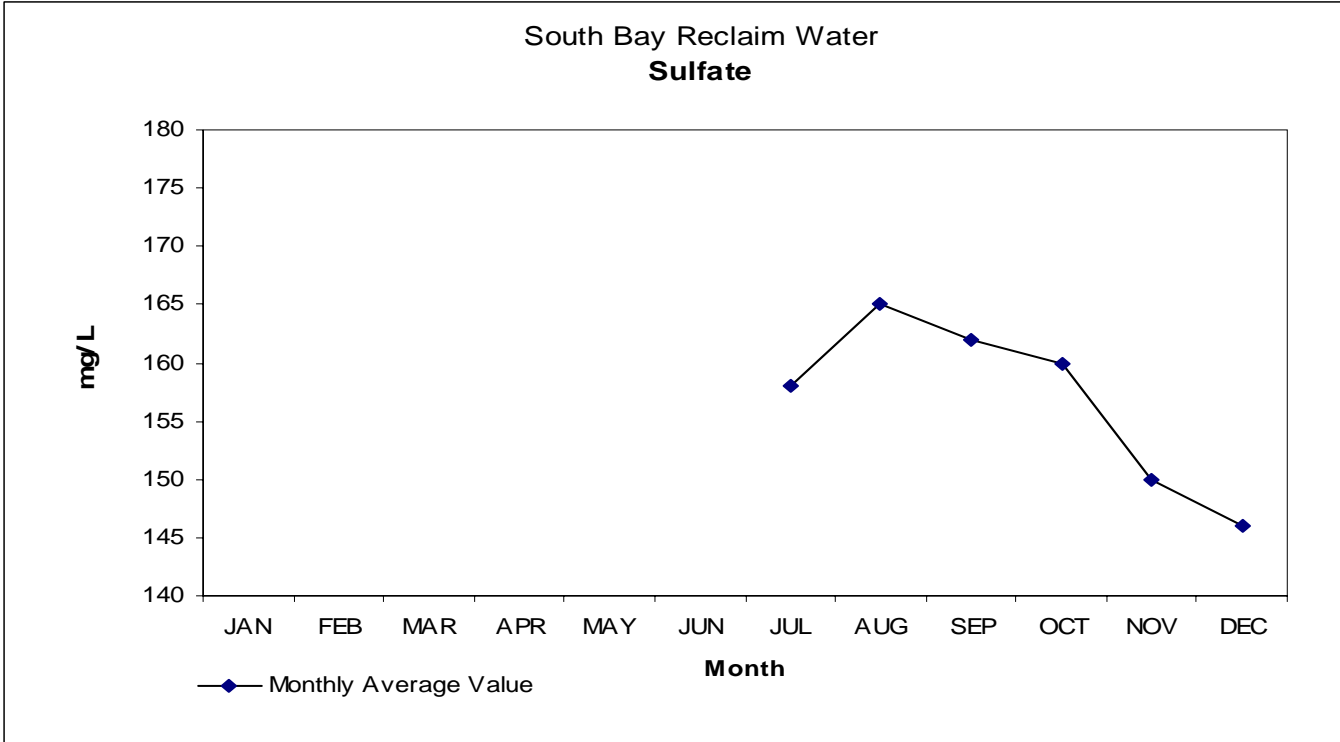
South Bay Reclaim Water
Chloride

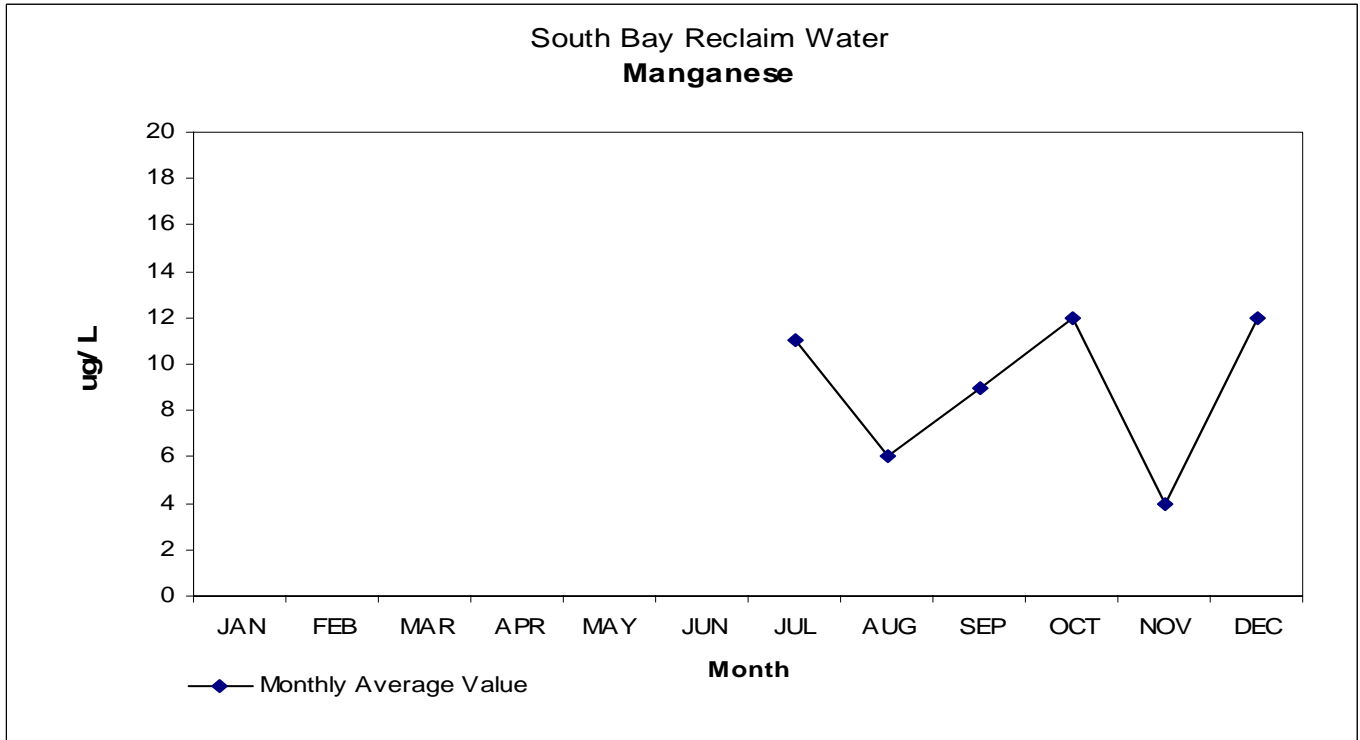
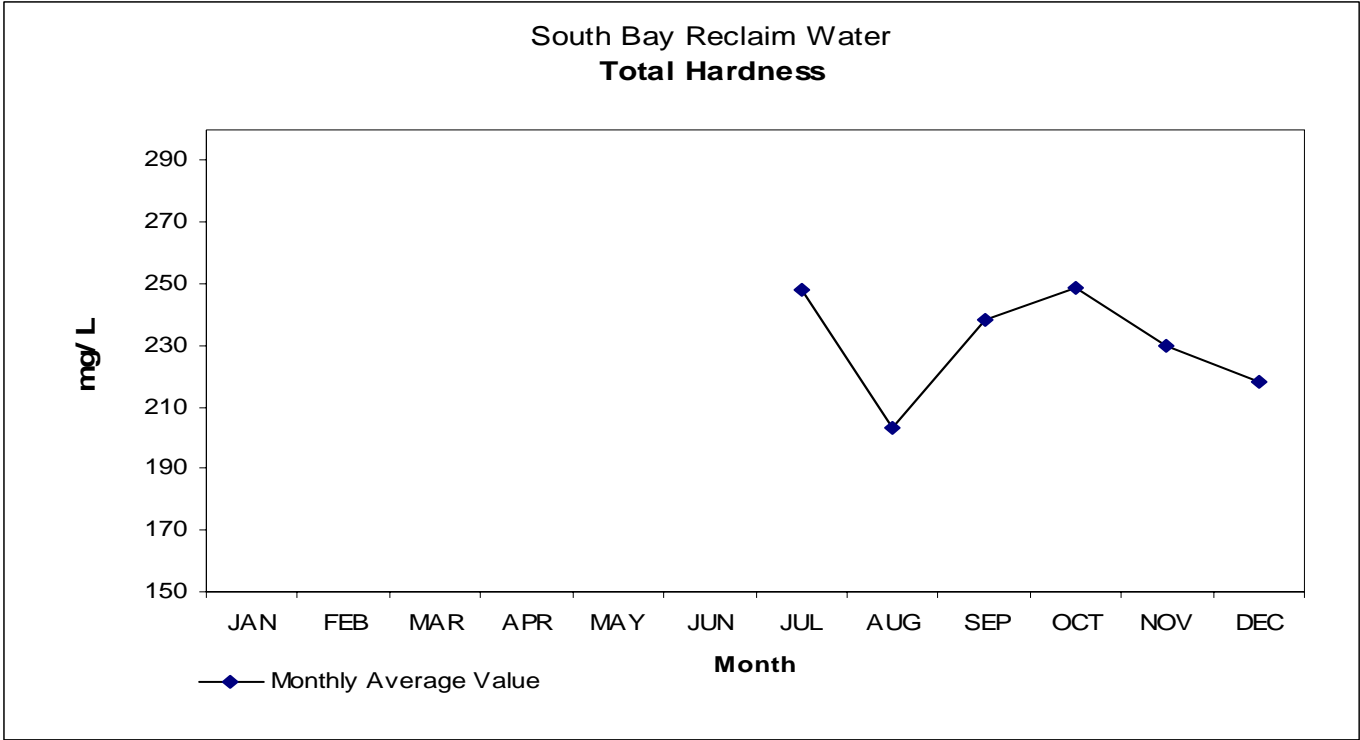


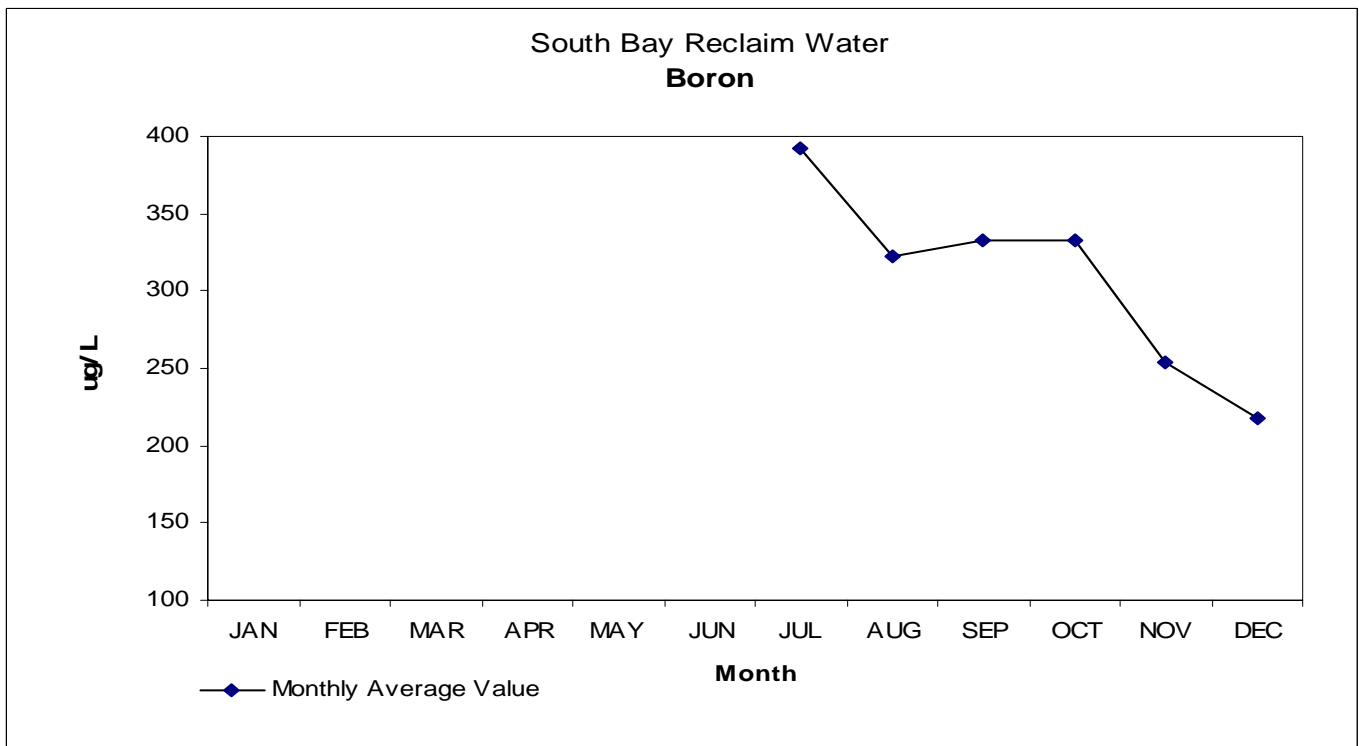
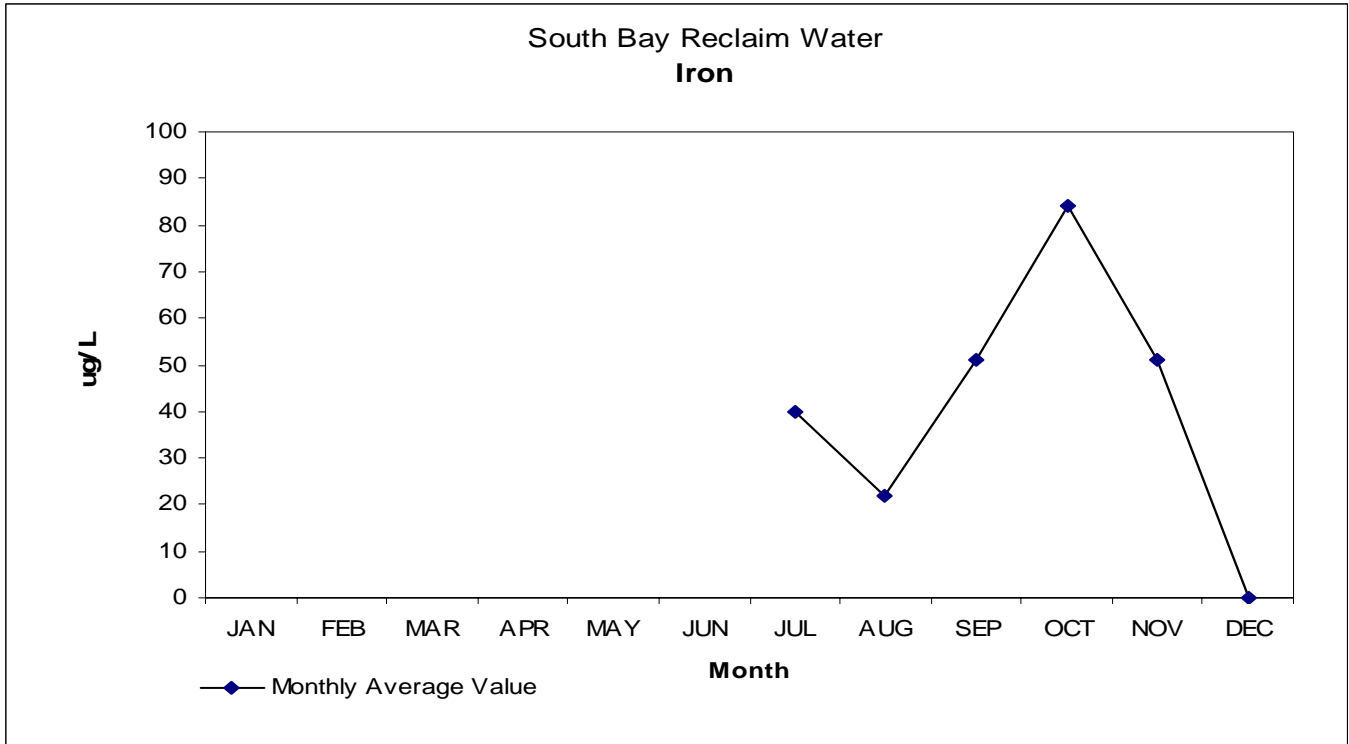
South Bay Reclaim Water
Percent Sodium



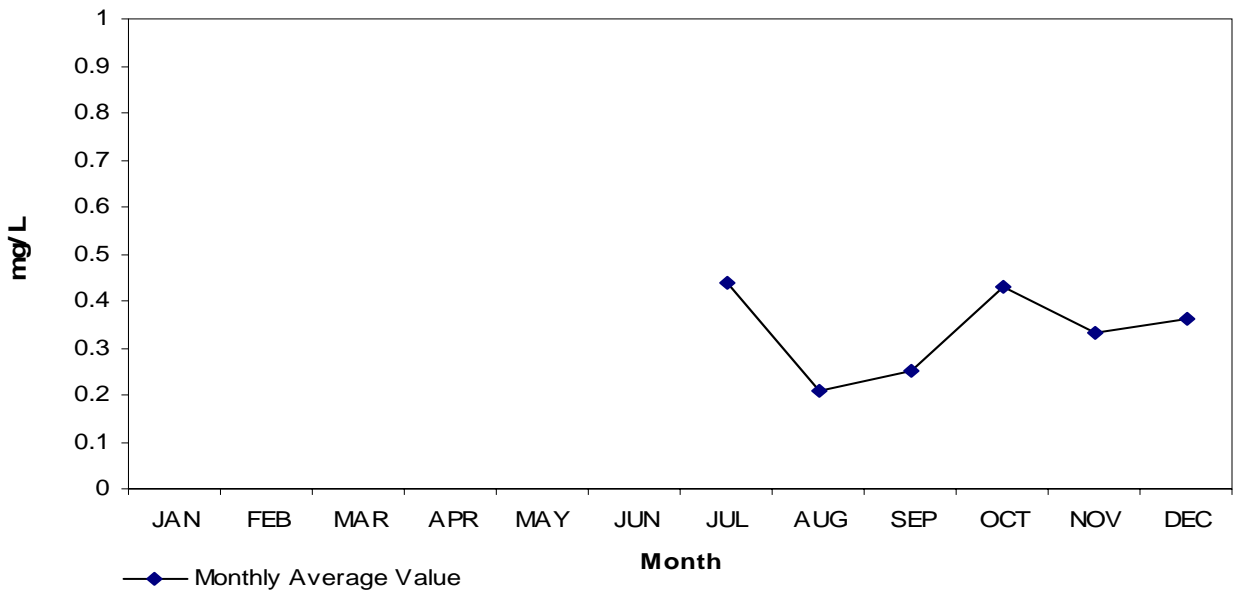








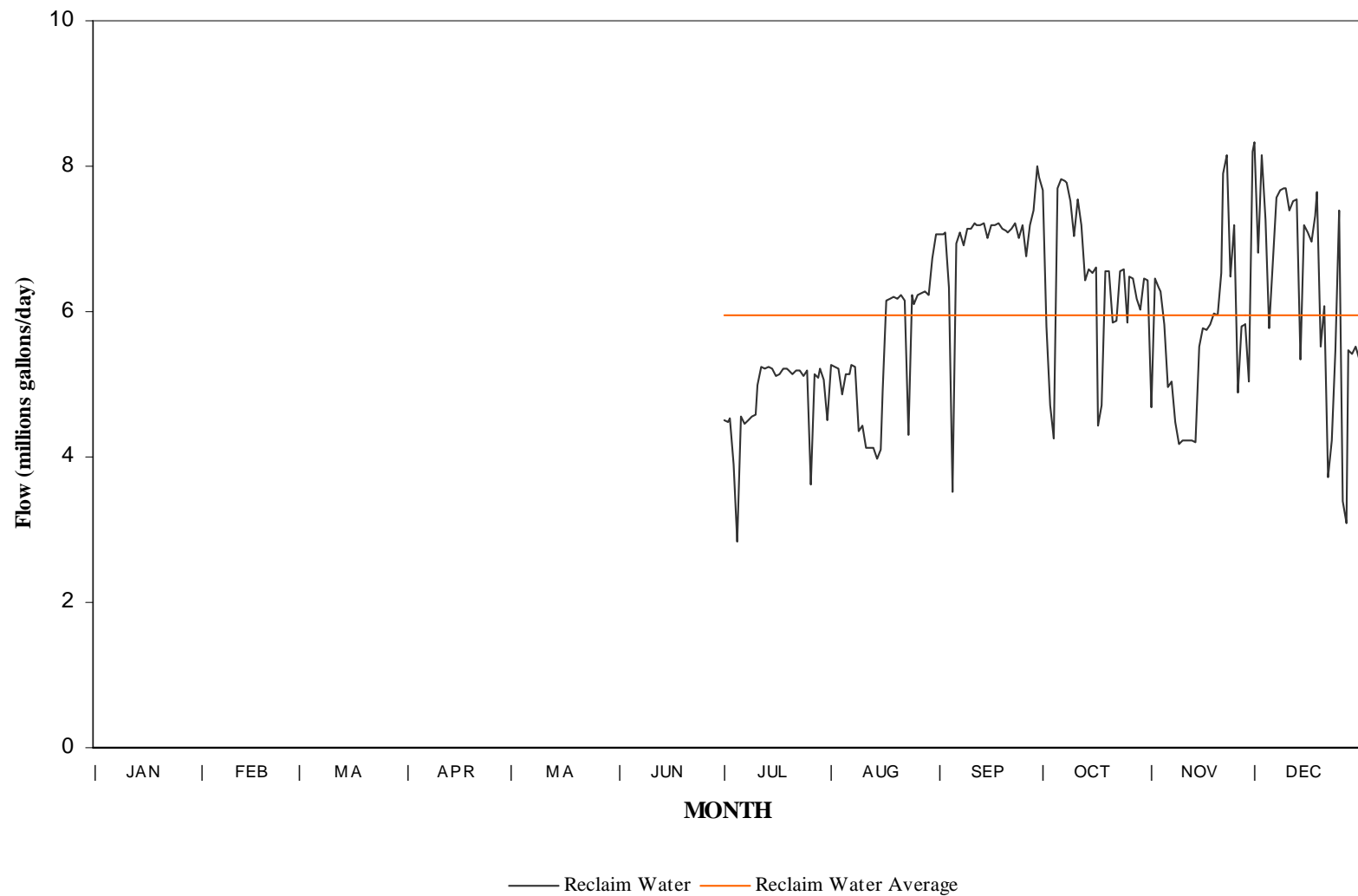
South Bay Reclaim Water
MBAS



C. Daily Values of Selected Parameters.

Daily values of selected parameters (e.g. TSS, Flow, BOD, etc.) are tabulated and presented graphically; statistical summary information is provided.

South Bay Wastewater Reclamation Plant 2006 Reclaim Water Produced Flows



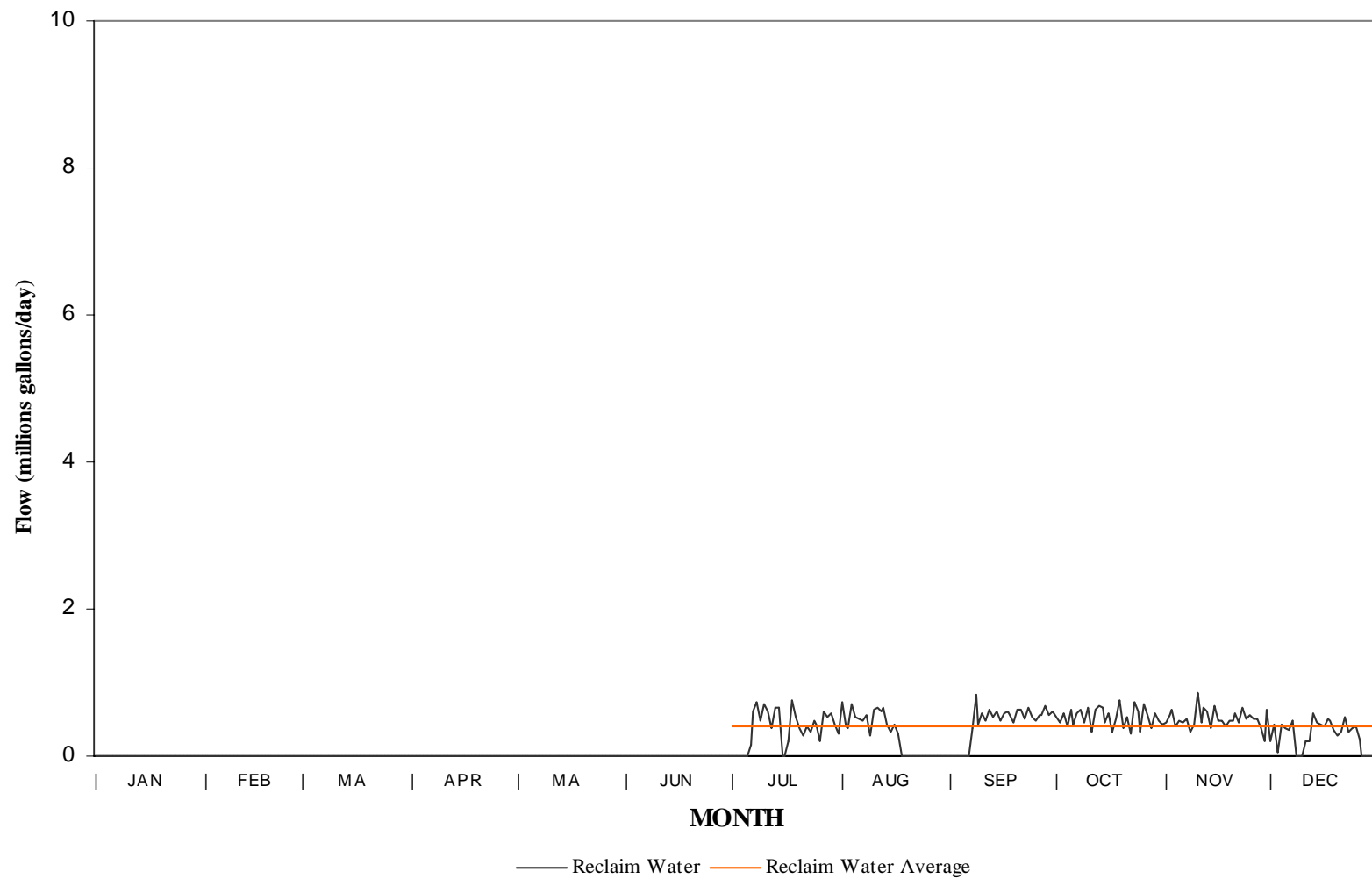
Daily Flows - Reclaim Water Produced- 2006

Days	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1							4.51	5.27	7.07	7.66	4.68	8.33	
2						Jun	4.48	5.23	7.07	5.79	6.46	6.81	
3							4.54	5.21	7.08	4.72	6.33	8.15	
4							3.89	4.87	6.32	4.25	6.27	7.26	
5							2.84	5.15	3.52	7.70	5.82	5.77	
6							4.56	5.14	6.93	7.83	4.96	6.69	
7							4.46	5.27	7.09	7.80	5.04	7.57	
8							4.51	5.23	6.91	7.76	4.48	7.67	
9							4.56	4.36	7.15	7.51	4.18	7.70	
10							4.59	4.42	7.14	7.04	4.23	7.69	
11							4.99	4.13	7.22	7.55	4.24	7.38	
12							5.25	4.13	7.18	7.20	4.22	7.51	
13							5.22	4.12	7.18	6.42	4.23	7.55	
14							5.24	3.98	7.21	6.59	4.19	5.33	
15							5.21	4.11	7.01	6.52	5.53	7.20	
16							5.11	4.92	7.20	6.61	5.77	7.09	
17							5.14	6.16	7.20	4.42	5.75	6.97	
18							5.22	6.18	7.22	4.72	5.83	7.32	
19							5.22	6.21	7.15	6.56	5.98	7.65	
20							5.20	6.18	7.12	6.56	5.95	5.53	
21							5.13	6.24	7.09	5.85	6.53	6.08	
22							5.19	6.15	7.15	5.87	7.90	3.73	
23							5.20	4.31	7.22	6.56	8.15	4.22	
24							5.12	6.23	7.01	6.57	6.48	5.46	
25							5.18	6.09	7.20	5.85	7.20	7.40	
26							3.62	6.24	6.75	6.47	4.89	3.40	
27							5.13	6.25	7.19	6.46	5.79	3.10	
28							5.10	6.29	7.38	6.17	5.82	5.47	
29							5.21	6.22	8.00	6.03	5.04	5.43	
30							5.06	6.73	7.84	6.45	8.19	5.53	
31							4.50	7.06		6.44		5.35	Annual Summary
Average							4.81	5.42	7.03	6.45	5.67	6.40	5.96
Minimum							2.84	3.98	3.52	4.25	4.18	3.10	2.84
Maximum							5.25	7.06	8.00	7.83	8.19	8.33	8.33
Total							149.18	168.08	210.80	199.93	170.13	198.34	1096

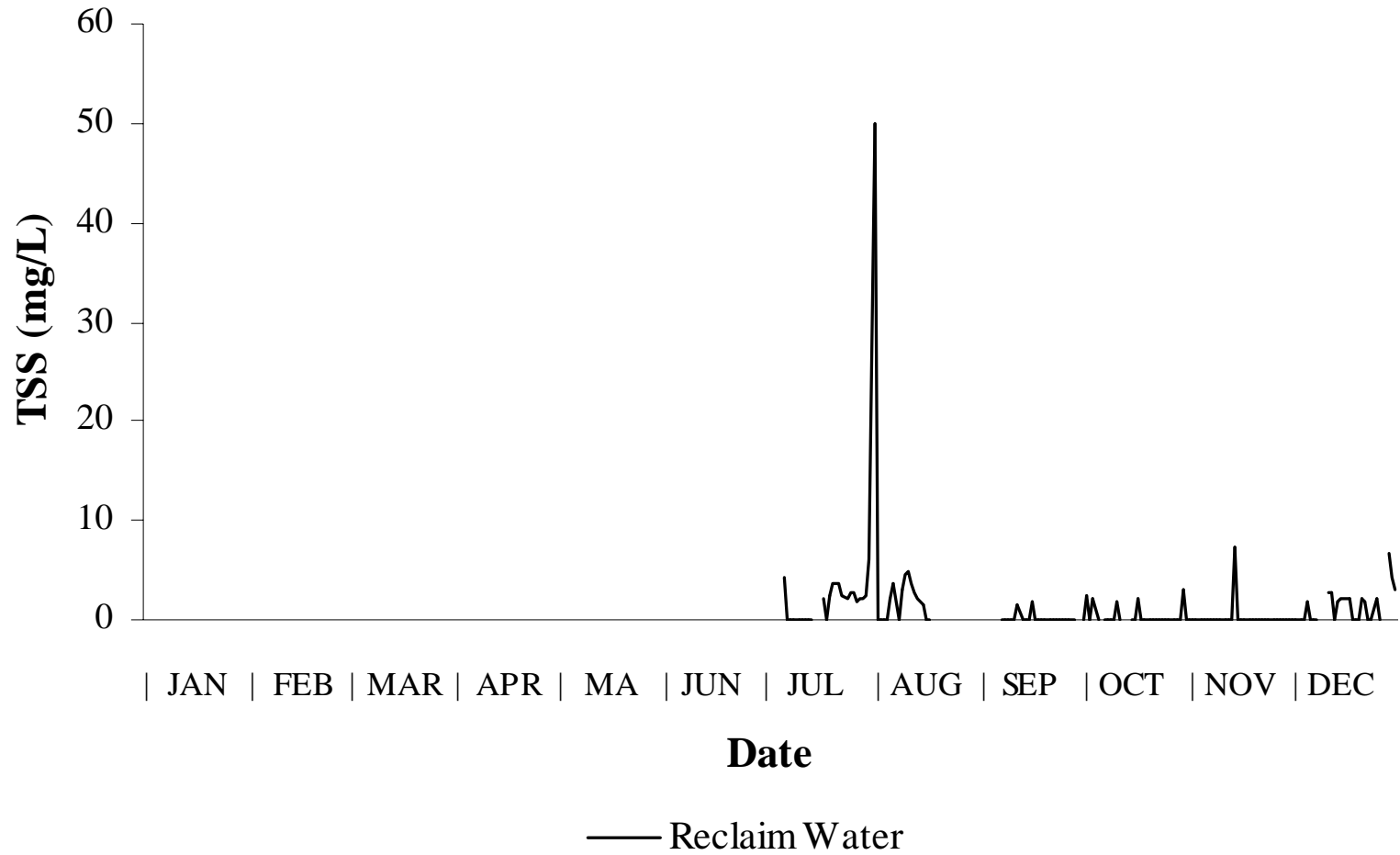
Daily Flows - Reclaim Water Distributed– 2006

Days	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1							0.00	0.73	0.00	0.53	0.45	0.21	
2							0.00	0.41	0.00	0.46	0.55	0.43	
3							0.00	0.38	0.00	0.58	0.64	0.06	
4							0.00	0.72	0.00	0.40	0.40	0.43	
5							0.00	0.53	0.00	0.63	0.49	0.37	
6							0.14	0.51	0.00	0.44	0.46	0.35	
7							0.62	0.49	0.38	0.57	0.51	0.47	
8							0.73	0.55	0.83	0.63	0.34	0.00	
9							0.49	0.28	0.44	0.46	0.44	0.00	
10							0.71	0.64	0.58	0.66	0.86	0.00	
11							0.62	0.67	0.49	0.32	0.45	0.20	
12							0.38	0.61	0.63	0.64	0.66	0.21	
13							0.67	0.67	0.53	0.69	0.60	0.58	
14							0.67	0.43	0.60	0.67	0.39	0.46	
15							0.00	0.33	0.48	0.46	0.69	0.43	
16							0.00	0.42	0.57	0.57	0.48	0.40	
17							0.19	0.30	0.61	0.34	0.49	0.51	
18							0.75	0.00	0.56	0.51	0.40	0.49	
19							0.54	0.00	0.45	0.77	0.48	0.36	
20							0.39	0.00	0.63	0.39	0.48	0.27	
21							0.27	0.00	0.64	0.52	0.59	0.34	
22							0.41	0.00	0.51	0.31	0.45	0.54	
23							0.32	0.00	0.65	0.73	0.66	0.33	
24							0.48	0.00	0.52	0.62	0.51	0.37	
25							0.42	0.00	0.49	0.32	0.55	0.40	
26							0.19	0.00	0.56	0.71	0.51	0.23	
27							0.61	0.00	0.56	0.55	0.51	0.00	
28							0.52	0.00	0.69	0.38	0.38	0.00	
29							0.57	0.00	0.56	0.59	0.20	0.00	
30							0.43	0.00	0.60	0.49	0.63	0.00	
31							0.30	0.00		0.43		0.00	Annual Summary
Average							0.37	0.28	0.45	0.53	0.51	0.27	0.40
Minimum							0.00	0.00	0.00	0.31	0.20	0.00	0.00
Maximum							0.75	0.73	0.83	0.77	0.86	0.58	0.86
Total							11.42	8.67	13.56	16.37	15.25	8.44	73.71

South Bay Wastewater Reclamation Plant 2006 Reclaim Water Distributed Flows



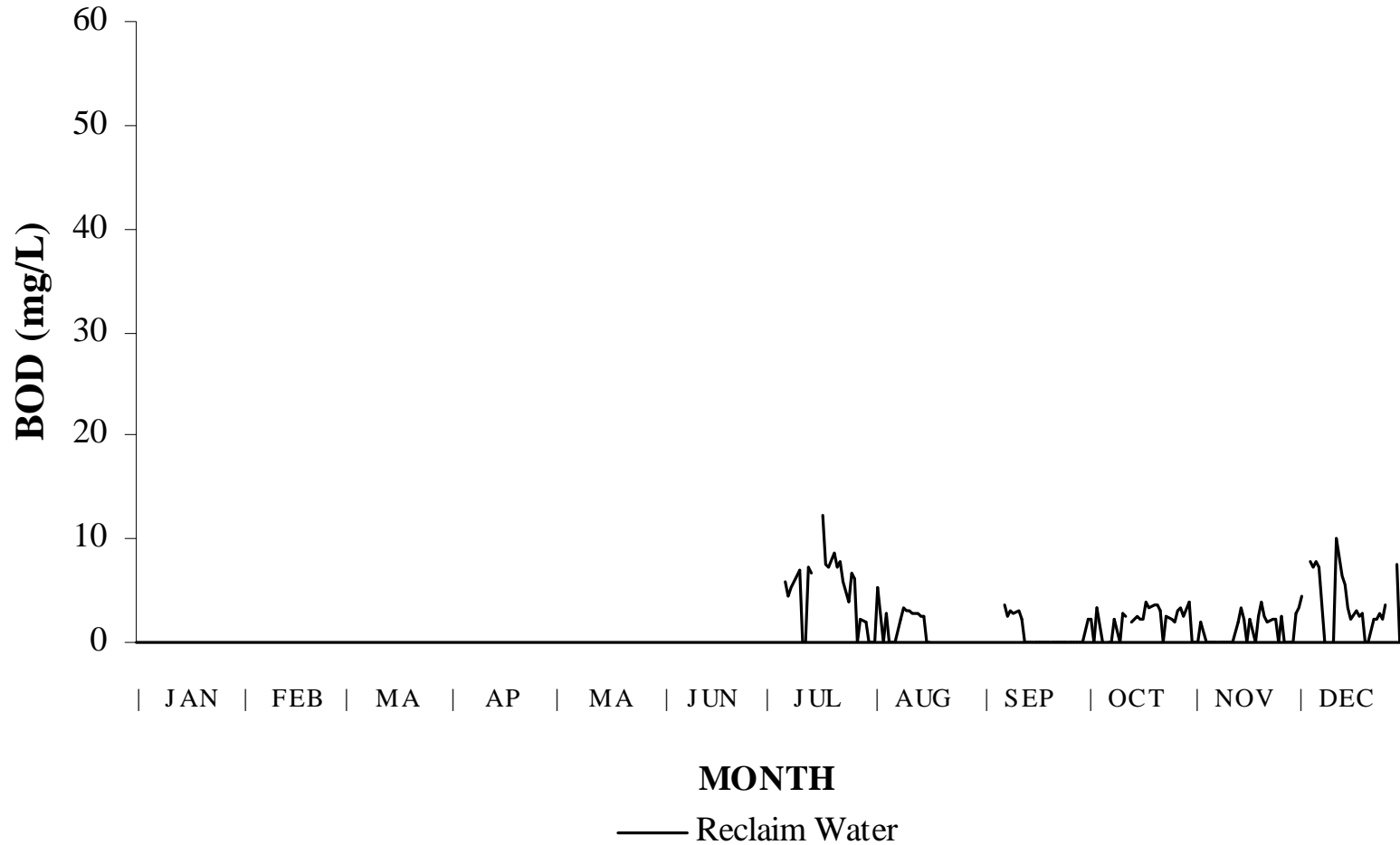
South Bay Wastewater Reclamation Plant 2006 Total Suspended Solids



Daily Reclaimed Water TSS values – 2006

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1								49.8		ND	ND	ND		
2								ND		2.3	ND	ND		
3								ND		ND	ND	ND		
4								ND		2.2	ND	ND		
5								ND		ND	ND	1.9		
6							4.2	2			ND	ND		
7							ND	3.8	ND	ND	ND	ND		
8							ND	ND	ND	ND	ND	ND		
9							ND	3	ND	ND	ND			
10							ND	4.5	ND	ND	ND			
11							ND	4.8	ND	1.8	ND	2.67		
12							ND	3.6	1.6	ND	ND	2.75		
13							ND	2.84	ND		ND	ND		
14							ND	2.2	ND		7.3	1.8		
15								1.6	ND	ND	ND	2		
16								ND	1.8	ND	ND	2.2		
17							2.13	ND	ND	2	ND	2.2		
18							ND		ND	ND	ND	ND		
19							2.5		ND	ND	ND	ND		
20							3.7		ND	ND	ND	ND		
21							3.7		ND	ND	ND	2		
22							3.8		ND	ND	ND	1.7		
23							2.33		ND	ND	ND	ND		
24							2.2		ND	ND	ND	ND		
25							2.6		ND	ND	ND	2		
26							2.6		ND	ND	ND	ND		
27							1.9		ND	ND	ND			
28							2.1		ND	ND	ND			
29							2.2			ND	ND	6.6		
30							2.4			3.1	ND	4.4		
31							6.2			ND		3.1		
Ave							3.13	7.81	1.70	2.42	7.30	2.85	Annual Summary	4.20
Min							1.90	1.60	1.60	1.80	7.30	1.70		1.60
Max							6.20	49.80	1.80	3.10	7.30	6.60		49.80
Tot							44.56	78.14	3.40	11.40	7.30	35.32		180.12

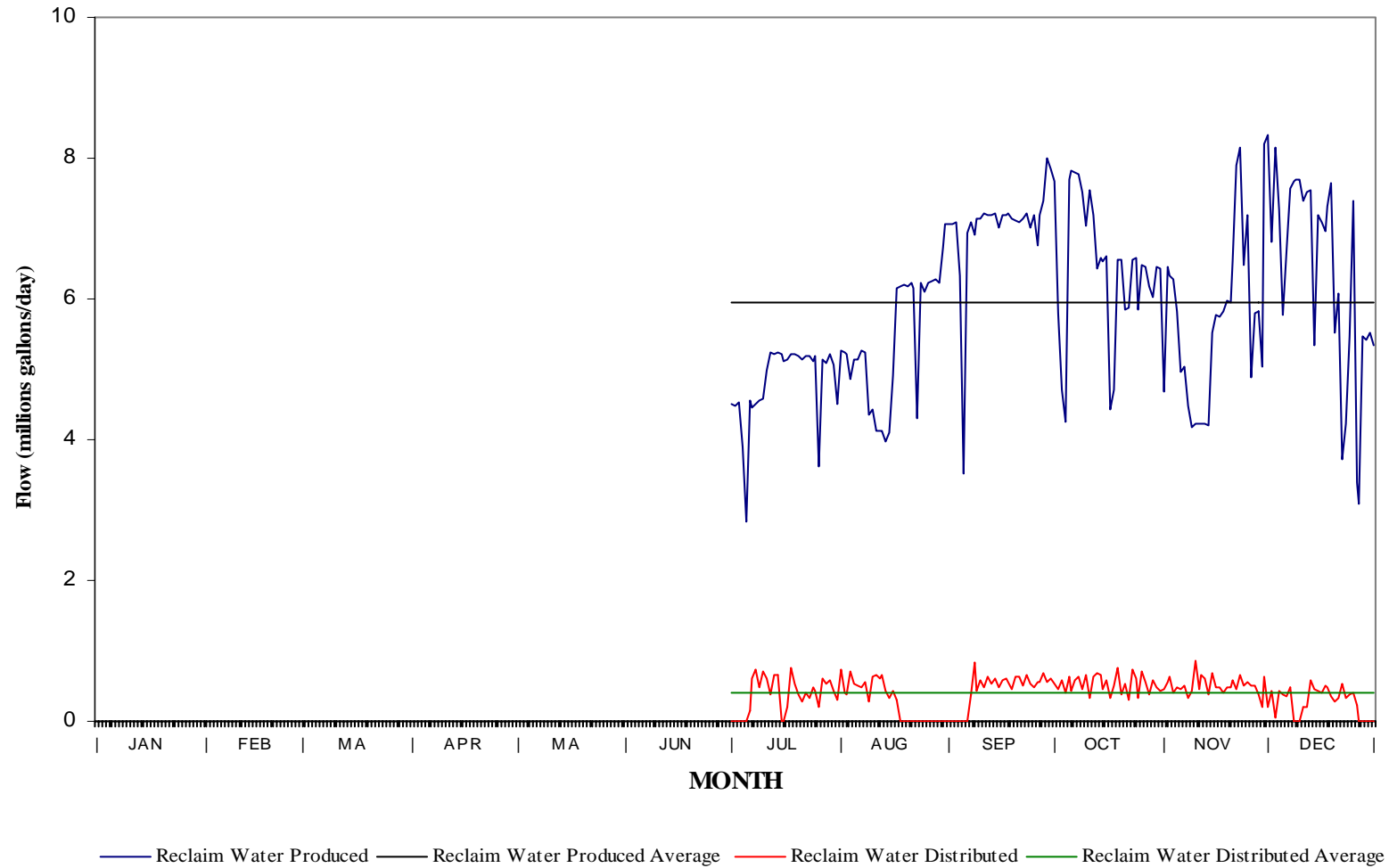
South Bay Wastewater Reclamation Plant 2006 Biochemical Oxygen Demand



Daily BOD values – 2006

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1								>2		2.18	ND	3.26	
2								5.31		2.23	ND	4.57	
3										ND	2.01		
4								2.89		3.35	ND	7.81	
5								<10		ND	ND	7.36	
6							5.97	<10			ND	7.79	
7							4.59	<10	3.52	ND	ND	7.23	
8							5.34	2.13	2.4	ND	ND	>7.46	
9							5.94	3.27	3.14	2.34	ND		
10							6.86	3.17	2.92	ND	ND		
11							<10	2.98	3.07	2.77	ND	>13.4	
12							<10	2.9	2.1	2.64	ND	10.1	
13							7.21	2.78	ND		2.07	6.34	
14							6.59	2.42	ND	2.06	3.23	5.72	
15								2.4	ND	2.5	2.12	3.21	
16								ND	ND	2.17	ND	2.18	
17							12.4	ND	ND	2.23	2.18	2.96	
18							7.4		ND	3.84	ND	2.49	
19							7.13		ND	3.44	2.56	2.78	
20							8.56		ND	3.65	4	ND	
21							7.18		ND	3.62	2.45	ND	
22							7.77		ND	3	2.06	2.14	
23							5.78		ND	ND	2.32	2.15	
24							3.86		ND	2.65	2.25	2.67	
25							6.57		ND	2.13	ND	2.14	
26							6.07		ND	2.06	2.64	3.57	
27									ND	3.03	ND		
28							2.31		ND	3.31	ND		
29							2.08		ND	2.53	ND	7.67	
30									ND	3.91	2.7	>7.52	
31							>2			<2		>12	Annual Summary
Ave							4.98	1.78	0.71	2.13	1.09	3.62	2.39
Min							2.08	2.13	2.10	2.06	2.01	2.14	2.01
Max							12.40	5.31	3.52	3.91	4.00	10.10	12.40
Tot							119.61	30.25	17.15	61.64	32.59	94.14	355.38

South Bay Wastewater Reclamation Plant 2006 Reclaim Water Produced and Distributed Flows



D. Total Coliform Data Summaries

South Bay Water Reclamation Plant
2006 Total Coliforms (MPN)

Day	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep		Oct		Nov		Dec	
	Daily Value	7-day Median	Daily Value	7-day Median	Daily Value	7-day Median	Daily Value	7-day Median	Daily Value	7-day Median	Daily Value	7-day Median	Daily Value	7-day Median	Daily Value	7-day Median	Daily Value	7-day Median	Daily Value	7-day Median	Daily Value	7-day Median	Daily Value	7-day Median
1	<2				<2				<2				<2	<2	<2	<2	2	<2	<2	<2	<2	<2	<2	<2
2	2				<2				<2				<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	8	<2
3	4				<2				2				<2	17	<2	4	<2	<2	<2	<2	7	<2	<2	<2
4	<2				<2				<2				<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
5	<2		NS		<2				<2				<2	NS	<2	<2	NS	<2	2	<2	<2	<2	13	<2
6	<2		NS		<2				<2		NS		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
7	<2		NS		22				<2		NS		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
8	<2		NS		2				8		NS		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	2	<2
9	<2		NS		<2				7		NS		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
10	<2		NS		2				2		NS		<2	<2	<2	<2	2	<2	<2	<2	<2	<2	<2	<2
11	<2		NS		<2				<2		NS		<2	<2	<2	8	<2	22	<2	<2	<2	<2	<2	<2
12	8		NS		<2				<2		NS		<2	<2	<2	17	<2	2	<2	<2	<2	<2	<2	<2
13	2		NS		<2				<2		NS		<2	80	<2	140	<2	<2	<2	<2	<2	<2	2	<2
14	<2		NS		<2				8		NS		<2	<2	<2	4	4	<2	<2	<2	<2	4	<2	170
15	7		NS		<2				<2		NS		<2	<2	<2	2	4	<2	<2	<2	<2	2	<2	<2
16	2		NS		<2				<2		NS		<2	<2	<2	11	8	<2	<2	<2	<2	<2	<2	<2
17	23		NS		<2				<2		NS		<2	<2	<2	8	4	<2	<2	<2	<2	<2	2	<2
18	11		NS		<2				<2		NS		<2	<2	<2	4	<2	<2	<2	<2	<2	<2	<2	<2
19	<2		NS		<2				<2		NS		<2	<2	<2	2	<2	<2	<2	<2	<2	<2	<2	<2
20	<2		NS		<2				<2		NS		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
21	<2		NS		<2				2		NS		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
22	<2		NS		NS				24		NS		<2	4	<2	2	<2	<2	<2	<2	<2	<2	2	<2
23	<2		NS		NS				4		NS		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
24	<2		NS		NS				50		NS		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	7	<2
25	<2				13				110		NS		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	8	<2
26	<2				2				<2		NS		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	2	2
27	<2				2				<2		NS		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NS	2
28	<2				<2				<2		NS		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	NS	2
29	<2	<2			<2				<2		NS		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	2
30	<2	2			<2				<2		NS		<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	4	2
31	<2				<2	<2			8		NS		<2	<2	<2	<2			<2	<2				2

E. UV Performance 2006

**UV PERFORMANCE REPORT
CY 2006**

Monthly Averages

Date	UV TRANSMITTANCE	UV DOSE	BANK 1 POWER	BANK 2 POWER	BANK 3 POWER	BANK 4 POWER
	pct	mj/cm2	pct	pct	pct	pct
Jan-06	68.77	192.40	26.55	32.75	41.61	37.81
Feb-06	67.82	90.47	17.68	15.33	1.02	15.70
Mar-06	65.65	180.05	37.26	34.91	43.84	30.46
Apr-06	72.67	164.10	33.65	32.36	33.52	34.20
May-06	69.97	202.31	41.92	33.89	33.13	34.74
Jun-06	71.23	119.19	13.60	6.65	15.39	14.39
Jul-06	69.45	170.71	46.64	37.88	37.43	50.10
Aug-06	65.97	165.27	52.30	57.73	49.17	38.31
Sep-06	67.50	165.49	49.86	73.00	63.55	48.91
Oct-06	66.65	177.83	61.58	57.11	52.19	58.98
Nov-06	69.07	174.18	49.49	43.83	45.23	51.76
Dec-06	68.74	182.58	60.03	53.74	46.91	54.35
Average	68.62	165.38	40.88	39.93	38.58	39.14