

From: Mary Adams
To: Dorena Goding
Date: 8/12/05 12:48PM
Subject: Re: Questions on 2 comments

pink = empty = data we want

CCAMP 2004

FS #

506

Hi Dorena, I'm attaching CCAMP data for these two waterbody's. Please notice the parameter of interest is highlighted in yellow and the MDL/PQL/Units/Field Duplicate column is in pink. Results will have no qualifier in the pink column, and field duplicates are excluded from sample counts. Hope this helps Mary :)

>>> Dorena Goding 08/09/05 2:52 PM >>>
 Hello Mary,

I had a chance to review all the region 3 comments and I had two questions for you.

1) I went to the region 3 website and looked at the CCAMP data for Arroyo Burro Creek for Fecal Coliform. The #'s provided in your comments, "CCAMP data at Cliff Drive shows 14 exceedances out of 33 samples at our coastal confluences site. Staff recommend listing for impairment of REC-1 due to fecal coliform.", do not match with what is on your site. Could you please tell me where this data is from or provide the data to me directly?

2) Salinas Reclamation Canal for Ammonia as Nitrogen. Your comments were that it should be Unionized Ammonia. I went to your site to view the CCAMP data and for Unionized Ammonia, the samples are 14 exceedances out of 51. Could you please also point me in the right direction to the location of this data?

I appreciate it.

Thank you
 Dorena

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*new data
 for region
 3*

>>> Mary Adams 08/04/05 4:24 PM >>>

Hi Dorena, please see my comments below and feel free to call me with any additional questions Mary :)

1) Arroyo Burro Creek for Pathogens: Could you please clarify your comments. Do you want us to list this waterbody for fecal coliform? Or are you talking about something else?
 This Creek was originally listed in error, as the beach. The fact sheets recommend delisting the creek. However based on data collected monthly by our staff we have sufficient evidence that listing of the creek is warranted. Is it possible to simply leave it on the list or is it necessary to de-list and list?
 Two sites have been monitored. Arroyo Burro at Cliff Drive we have 33 samples between January 2001 and September 2004. 13 of the 33 samples have fecal coliform levels exceeding 400 MPN/100ml. A second site located upstream at Hope Street monthly data collected between January 2001 and March 2002 resulted in 3 of 13 samples exceeding 400 MPN/100ml.

2) Salinas Reclamation Canal for Fecal Colliform: In your comments, you used the incorrect objective, so I am wondering if this comment was meant for this waterbody or another, and where this data came from also.
My apologies, this comment if meant for the Salinas Reclamation Canal Ammonia fact sheet.

3) Santa Ynez River for Nitrates Nitrate (NO3): This waterbody is listed for nutrients. Based on your comments, do you want us to incorporate this data and listing decision into the previous listing decision? Or do you want us to list this separately for this segment of the Sant Ynez River (Lompoc to ocean) for nitrate as nitrate for this current listing? An additional listing is not necessary however we recommend that the reach be changed to only include Lompoc to the Ocean as impaired for nutrients. There is extremely high NO3 and ortho-PO4 in this reach and not elevated nutrients above the city of Lompoc. Can the reach be revised to exclude everything above Lompoc?

4) Oso Flaco Lake for Nitrates: based on your second comment point - are you making a statement or in disagreement with the decision? Could you please clarify the intent of this comment please?
The second statement is in disagreement with the decision.

We feel that aquatic life and groundwater recharge are impaired by nitrate in Oso Flaco Lake. The lake has both beneficial use designations.

Craig and Karen discussed this listing and agreed that based on that beneficial use designation for groundwater recharge it should be listed for nitrate impairment.

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If you have a comment you would like to share regarding the customer service of any state employee please visit the following site:
<http://www.calepa.ca.gov/customer/CSForm.asp>

Please note my new email address as of November 5th.
madams@waterboards.ca.gov

CC: Dominic Roques; Karen Worcester; Lisa McCann

Salinas Rec. Canal Data

Util	Projld	Shed	SiteTag	DateTime	TripID	Purpose	Matrix	ID	QAQC	Sampler	Notes	WtType	Weather	AIRTEMPF	AIR_TEMP	ALGA_CVR	STAGE	H_STAGE
Salinas	30910	309ALD		2/1/99 12:45	T1999_02_01		H2O	*199901264*4				ww			14.5			
Salinas	30910	309ALD		3/1/99 12:30	T1999_03_01		H2O	*199902501*3				ww			21			
Salinas	30910	309ALD		4/5/99 12:30	T1999_04_05		H2O	*199903965*3			cloudy, windy and intermittent sprinkles. Field pH data not recorded	ww			14			
Salinas	30910	309ALD		4/5/99 12:45	T1999_04_05	Fd	H2O	*199903965*4			cloudy, windy and intermittent sprinkles. Field pH data not recorded	ww					0	
Salinas	30910	309ALD		5/10/99 12:00	T1999_05_10		H2O	*199905476*3			clear skies, warm	ww						
Salinas	30910	309ALD		5/10/99 12:15	T1999_05_10	Fd	H2O	*199905476*4			Field dup, clear skies, warm	ww					20	
Salinas	30910	309ALD		6/3/99 10:20	T1999_06_03		H2O	*199906488*2			Partly cloudy, windy, intermittent showers	ww						
Salinas	30910	309ALD		6/3/99 10:30	T1999_06_03	Fd	H2O	*199906488*3			Field dup, partly cloudy, windy, intermittent showers	ww					10	
DO	30910	309ALD		7/7/99 5:00	T1999_07_07		H2O	4214	1		pre-dawn DO sampling	ww						
Salinas	30910	309ALD		7/7/99 10:15	T1999_07_07		H2O	*199907879*3			overcast until 10am, clear skies and warm	ww					50	
DO	30910	309ALD		7/26/99 5:55	T1999_07_26		H2O	4238	1		pre-dawn DO sampling	ww						
Salinas	30910	309ALD		7/26/99 10:30	T1999_07_26		H2O	4245	1		Field measurements only, cloudy early drizzle	ww						
Salinas	30910	309ALD		7/27/99 13:40	T1999_07_27		H2O	*199908799*4			cloudy, intermittent sprinkles, cool	ww					25	
Salinas	30910	309ALD		8/31/99 10:45	T1999_08_31		H2O	*199910334*5			Missing field data	ww						
Salinas	30910	309ALD		9/28/99 11:30	T1999_09_28		H2O	*199911399*3			clear skies	ww			27		20	
DO	30910	309ALD		10/1/99 6:50	T1999_10_01		H2O	4387	1		pre-dawn DO sampling, heavy fog, sunrise @ 7:35	ww						
Salinas	30910	309ALD		11/2/99 9:50	T1999_11_02		H2O	*199912943*4			fog until 10:30, when clear skies	ww					5	
Salinas	30910	309ALD		11/9/99 10:30	T1999_11_09		H2O	*199913257*2			DO measurements do not meet QA criteria First flush 11/8/99	ww					5	

Util	ProjId	Shed	SiteTag	DateTime	TripID	Purpose	Matrix	ID	QAQC	Sampler	Notes	WtType	Weather	AIRTEMPF	AIR_TEMP	ALGA_CVR	STAGE	H_STAGE
	Salinas	30910	309ALD	11/30/99 13:00	T1999_11_30		H2O	*199914104*4			clear skies and warm	ww			28	0		
	Salinas	30910	309ALD	1/3/00 11:20	T2000_01_03		H2O	*200000055*6			Garbage in creek	ww			17	5		
	Salinas	30910	309ALD	1/3/00 11:20	T2000_01_03	Mdls	H2O	*200000055*6_D				ww						
	Salinas	30910	309ALD	1/3/00 11:20	T2000_01_03	Methods	H2O	*200000055*6_M				ww						
	Salinas	30910	309ALD	1/3/00 11:20	T2000_01_03	Pqls	H2O	*200000055*6_P				ww						
	Salinas	30910	309ALD	1/3/00 11:20	T2000_01_03	Units	H2O	*200000055*6_U				ww						
	Salinas	30910	309ALD	1/6/00 9:40	T2000_01_06	Methods	H2O	*200000218*2_M				ww						
	Salinas	30910	309ALD	1/6/00 9:40	T2000_01_06	Pqls	H2O	*200000218*2_P				ww						
	Salinas	30910	309ALD	1/6/00 9:40	T2000_01_06	Units	H2O	*200000218*2_U				ww						
	Salinas	30910	309ALD	1/6/00 9:40	T2000_01_06		H2O	*200000218*2			Chlorophyll a only	ww						
	Salinas	30910	309ALD	1/26/00 11:50	T2000_01_26		H2O	*200001181*4				ww			19			
	Salinas	30910	309ALD	1/26/00 11:50	T2000_01_26	Mdls	H2O	*200001181*4_D				ww						
	Salinas	30910	309ALD	1/26/00 11:50	T2000_01_26	Methods	H2O	*200001181*4_M				ww						
	Salinas	30910	309ALD	1/26/00 11:50	T2000_01_26	Pqls	H2O	*200001181*4_P				ww						
	Salinas	30910	309ALD	1/26/00 11:50	T2000_01_26	Units	H2O	*200001181*4_U				ww						
	Salinas	30910	309ALD	2/10/00 13:30	T2000_02_10	Mdls	H2O	*200001834*13_D				ww						
	Salinas	30910	309ALD	2/10/00 13:30	T2000_02_10	Methods	H2O	*200001834*13_M				ww						
	Salinas	30910	309ALD	2/10/00 13:30	T2000_02_10	Pqls	H2O	*200001834*13_P				ww						
	Salinas	30910	309ALD	2/10/00 13:30	T2000_02_10	Units	H2O	*200001834*13_U				ww						
	Salinas	30910	309ALD	2/10/00 13:30	T2000_02_10		H2O	*200001834*13				ww						
	Salinas	30910	309ALD	2/10/00 13:45	T2000_02_10		H2O	*200001834*14				ww			16	1		
	Salinas	30910	309ALD	2/10/00 13:45	T2000_02_10	Mdls	H2O	*200001834*14_D				ww						
	Salinas	30910	309ALD	2/10/00 13:45	T2000_02_10	Methods	H2O	*200001834*14_M				ww						
	Salinas	30910	309ALD	2/10/00 13:45	T2000_02_10	Pqls	H2O	*200001834*14_P				ww						
	Salinas	30910	309ALD	2/10/00 13:45	T2000_02_10	Units	H2O	*200001834*14_U				ww						
	Salinas	30910	309ALU	2/1/99 14:30	T1999_02_01		H2O	*199901264*7				ww			20			
	Salinas	30910	309ALU	3/1/99 11:40	T1999_03_01		H2O	*199902501*1				ww			19			
	Salinas	30910	309ALU	4/5/99 11:05	T1999_04_05		H2O	*199903965*1			cloudy, windy and intermittent sprinkles. Field pH data not recorded	ww			11	0		
	Salinas	30910	309ALU	5/10/99 11:30	T1999_05_10		H2O	*199905476*1			clear skies, warm	ww				0		
	Salinas	30910	309ALU	6/3/99 9:45	T1999_06_03		H2O	*199906488*1			Partly cloudy, windy, intermittent showers	ww				0		
	DO	30910	309ALU	7/7/99 4:15	T1999_07_07		H2O	4212	1		pre-dawn DO sampling	ww						

Util	ProjId	Shed	SiteTag	DateTime	TripID	Purpose	Matrix	ID	QAQC	Sampler	Notes	WtType	Weather	AIRTEMPF	AIR_TEMP	ALGA_CVR	STAGE	H_STAGE
	Salinas	30910	309ALU	7/17/99 9:30	T1999_07_07		H2O	*199907879*1			overcast until 10am, clear skies and warm	ww				10		
	DO	30910	309ALU	7/26/99 5:25	T1999_07_26		H2O	4236	1		pre-dawn DO sampling	ww						
	Salinas	30910	309ALU	7/26/99 10:15	T1999_07_26		H2O	4243	1		Field measurements only, cloudy early drizzle	ww						
	Salinas	30910	309ALU	7/27/99 14:00	T1999_07_27		H2O	*199908799*5			cloudy, intermittent sprinkles, cool	ww				5		
	Salinas	30910	309ALU	8/31/99 10:20	T1999_08_31		H2O	*199910334*4			Missing field data	ww						
	Salinas	30910	309ALU	9/28/99 10:30	T1999_09_28		H2O	*199911399*2			clear skies	ww			25	5		
	DO	30910	309ALU	10/1/99 6:40	T1999_10_01		H2O	4386	1		pre-dawn DO sampling, heavy fog, sunrise @ 7:35	ww						
	Salinas	30910	309ALU	11/2/99 9:35	T1999_11_02		H2O	*199912943*3			fog until 10:30, when clear skies, oily air bubbles from substrate	ww					1	
	Salinas	30910	309ALU	11/9/99 10:00	T1999_11_09		H2O	*199913257*1			YSI meter, First flush 11/8/99	ww					1	
	Salinas	30910	309ALU	11/30/99 11:10	T1999_11_30		H2O	*199914104*2			clear skies and warm	ww			28	0		
	Salinas	30910	309ALU	1/3/00 10:55	T2000_01_03		H2O	*200000055*4			Trash in creek, smells rotten	ww			18	1		
	Salinas	30910	309ALU	1/3/00 10:55	T2000_01_03	Mdls	H2O	*200000055*4_D				ww						
	Salinas	30910	309ALU	1/3/00 10:55	T2000_01_03	Methods	H2O	*200000055*4_M				ww						
	Salinas	30910	309ALU	1/3/00 10:55	T2000_01_03	Pqls	H2O	*200000055*4_P				ww						
	Salinas	30910	309ALU	1/3/00 10:55	T2000_01_03	Units	H2O	*200000055*4_U				ww						
	Salinas	30910	309ALU	1/6/00 9:30	T2000_01_06	Methods	H2O	*200000218*1_M				ww						
	Salinas	30910	309ALU	1/6/00 9:30	T2000_01_06	Pqls	H2O	*200000218*1_P				ww						
	Salinas	30910	309ALU	1/6/00 9:30	T2000_01_06	Units	H2O	*200000218*1_U				ww						
	Salinas	30910	309ALU	1/6/00 9:30	T2000_01_06		H2O	*200000218*1			Chlorophyll a only	ww						
	Salinas	30910	309ALU	1/26/00 12:35	T2000_01_26		H2O	*200001181*5				ww			21			
	Salinas	30910	309ALU	1/26/00 12:35	T2000_01_26	Mdls	H2O	*200001181*5_D				ww						
	Salinas	30910	309ALU	1/26/00 12:35	T2000_01_26	Methods	H2O	*200001181*5_M				ww						
	Salinas	30910	309ALU	1/26/00 12:35	T2000_01_26	Pqls	H2O	*200001181*5_P				ww						
	Salinas	30910	309ALU	1/26/00 12:35	T2000_01_26	Units	H2O	*200001181*5_U				ww						
	Salinas	30910	309ALU	2/10/00 12:10	T2000_02_10		H2O	*200001834*9				ww			14	0		
	Salinas	30910	309ALU	2/10/00 12:10	T2000_02_10	Mdls	H2O	*200001834*9_D				ww						
	Salinas	30910	309ALU	2/10/00 12:10	T2000_02_10	Methods	H2O	*200001834*9_M				ww						
	Salinas	30910	309ALU	2/10/00 12:10	T2000_02_10	Pqls	H2O	*200001834*9_P				ww						
	Salinas	30910	309ALU	2/10/00 12:10	T2000_02_10	Units	H2O	*200001834*9_U				ww						

ProjId	CSHADE	ALGA_FILA	ALGA_PERI	BANK_COV	PLNT_CVR	FLOW_Q	SUBSTRATE	ELEV	PH	COND_US	TURB_N	DO_PPM	DO_PPM_Meas	DO_PPM_Calc	DO_SAT	DO_SAT_Meas
Salinas									7.85	404	500	9.37	9.37		83.8	83.8
Salinas									8.02	599	65	8.9	8.9		89.4	89.4
Salinas									7.81	793	19	12.13	12.13		105	105
Salinas	0				M				7.8							
Salinas									8.2	1120	21	10.2	10.2		103	103
Salinas	0				75 M-L				8.23							
Salinas									7.27	1180	40	3.33	3.33		34.2	34.2
Salinas	0				50 L				7.3	1200	34					
DO												3.61	3.61		38.9	38.9
Salinas	0			50					8.05	1320	4.2	9.8	9.8		104.4	104.4
DO												10.5	10.5		100.5	100.5
Salinas										1580		2.7	2.7		29.9	29.9
Salinas	0			50	L				7.98	1300	7.5					
Salinas									8.17	1210	2.9					
Salinas	1			50	M				8	1320	3.7	4.59	4.59		51.3	51.3
DO																
Salinas	0			50	L-M				8.33	1290	4.4	1.2	1.2		11.6	11.6
Salinas	0			50	L-M				7.26	455	31					

ProjId	CSHADE	ALGA_FILA	ALGA_PERI	BANK_COV	PLNT_CVR	FLOW_Q	SUBSTRATE	ELEV	PH	COND_US	TURB_N	DO_PPM	DO_PPM_Meas	DO_PPM_Calc	DO_SAT	DO_SAT_Meas
Salinas	1			50		L			7.22	440	36	2.15	2.15		19.9	19.9
Salinas	1			50		L			8.11	1180	28	7.13	7.13		57.5	57.5
Salinas											0.05					
Salinas									EPA-9040	EPA-9050	EPA-180.1					
Salinas											0.05					
Salinas									pH Units	umhos/cm	NT Units					
Salinas																
Salinas																
Salinas									7.63	438	170	6.59	6.59		60.9	60.9
Salinas											2.5					
Salinas									EPA-9040	EPA-9050	EPA-180.1					
Salinas											2.5					
Salinas									pH Units	umhos/cm	NT Units					
Salinas											0.05					
Salinas									EPA-9040	EPA-9050	EPA-180.1					
Salinas											0.05					
Salinas									pH Units	umhos/cm	NT Units					
Salinas																
Salinas	0					M			7.65	1600	150	8	8		75.4	75.4
Salinas											2					
Salinas									EPA-9040	EPA-9050	EPA-180.1					
Salinas											2					
Salinas									pH Units	umhos/cm	NT Units					
Salinas									7.86	745	600	9.6	9.6		89.3	89.3
Salinas									7.97	615	140	8.84	8.84		89	89
Salinas	0					L			8.81	716	42	11.87	11.87		103.9	103.9
Salinas	0				50	L			7.78	1560	350	8.36	8.36		81.3	81.3
Salinas	0				80	L			7.13	799	115	7.45	7.45		72.9	72.9
DO												2.81	2.81		30.1	30.1

ProjId	CSHADE	ALGA_FILA	ALGA_PERI	BANK_COV	PLNT_CVR	FLOW_Q	SUBSTRATE	ELEV	PH	COND_US	TURB_N	DO_PPM	DO_PPM_Meas	DO_PPM_Calc	DO_SAT	DO_SAT_Meas
Salinas	0			75					7.69	1330	36	4.53	4.53		47.6	47.6
DO												2.51	2.51		26.7	26.7
Salinas										1260		3.16	3.16		33.2	33.2
Salinas	0			75		L			8.42	1150	20	10.21	10.21		110.4	110.4
Salinas									7.86	1210	29					
Salinas	0			100		L			8.08	3850	22	4.65	4.65		47.4	47.4
DO												2.25	2.25		23.3	23.3
Salinas	0			50		L			8	1500	13	3.98	3.98		38.5	38.5
Salinas	0			50		L			7.41	1390	26	3.43	3.43		33.7	33.7
Salinas	0			50		L			7.49	864	29	4.36	4.36		40.6	40.6
Salinas	0			100		L			8.12	932	10	9.63	9.63		81.4	81.4
Salinas											0.05					
Salinas									EPA-9040	EPA-9050	EPA-180.1					
Salinas											0.05					
Salinas									pH Units	umhos/cm	NT Units					
Salinas																
Salinas																
Salinas									7.71	417	455	10.06	10.06		91.7	91.7
Salinas											2.5					
Salinas									EPA-9040	EPA-9050	EPA-180.1					
Salinas											2.5					
Salinas									pH Units	umhos/cm	NT Units					
Salinas	0			100		L			7.52	1610	100	8.33	8.33		78.3	78.3
Salinas											2					
Salinas									EPA-9040	EPA-9050	EPA-180.1					
Salinas											2					
Salinas									pH Units	umhos/cm	NT Units					

ProjId	DO_SAT_Calc	H2O_TEMP	SALINITY	CHLORA	ANIONS	BICARB	BOD	BORO_DIS	BORON	BROMIDE	CA	CARBON14	CATIONS	CHLORIDE	COD	COLOR	COND_PPT	COND_MS	COND_PPM
Salinas	83.18387055	10.1		15.5										31					
Salinas	89.10893746	15.4		4.1										41					
Salinas	110.2527169	11.1		~10										66					
Salinas				~21										66					
Salinas	102.7864463	15.7		130				0.15			92			151					
Salinas				140				0.15			92			152					
Salinas	29.84387419	10.5		28				0.21			92			165					
Salinas				27				0.21			91			163					
DO	38.72027102	18.7																	
Salinas	104.2666593	18.3		150				0.19			100			151					
DO	113.4368767	19.06																	
Salinas	28.6973615	18.25	0.8																
Salinas		17.6	0.7	79				0.19			103			149					
Salinas				99				0.19			100			128					
Salinas	49.23159113	18.7		5.7				0.19			112			142					
DO		17.1																	
Salinas	11.60038035	13.8		9.7				0.16			103			141					
Salinas		13		15				0.088			38			47					

ProjId	DO_SAT_Calc	H2O_TEMP	SALINITY	CHLORA	ANIONS	BICARB	BOD	BORO_DIS	BORON	BROMIDE	CA	CARBON14	CATIONS	CHLORIDE	COD	COLOR	COND_PPT	COND_MS	COND_PPM
Salinas	19.73391427	11.52		30				0.1			59			61					
Salinas	57.39941701	6.1						0.15			94			131					
Salinas								0.01			0.01			0.09					
Salinas								EPA-6010			EPA-6010			EPA-300.0					
Salinas								0.1			0.05			0.5					
Salinas								mg/L			mg/L			mg/L					
Salinas				SM-10200H															
Salinas				2															
Salinas				mg/m3															
Salinas				23															
Salinas	60.87995799	11.8		5.6				0.06			41			41					
Salinas								0.01			0.02			0.09					
Salinas								EPA-6010			EPA-6010			EPA-300.0					
Salinas								0.1			0.05			0.5					
Salinas								mg/L			mg/L			mg/L					
Salinas								0.01			0.02			0.09					
Salinas								EPA-6010			EPA-6010			EPA-300.0					
Salinas								0.1			0.05			0.5					
Salinas								mg/L			mg/L			mg/L					
Salinas																			
Salinas	78.73277612	14.61	0.7	13				0.02			15			8.9					
Salinas								0.01			0.02			0.09					
Salinas								EPA-6010			EPA-6010			EPA-300.0					
Salinas								0.1			0.05			0.5					
Salinas								mg/L			mg/L			mg/L					
Salinas	88.68704047	11.8		10.8										58					
Salinas	87.93508326	15.1		8.2										57					
Salinas																			
Salinas	105.3780729	10.1		~30										74					
Salinas	81.53641446	14.2		4.7				0.15			84			288					
Salinas																			
Salinas	72.82166702	14.3		12				0.17			62			81					
DO	29.65395298	17.9																	

ProjId	DO_SAT_Calc	H2O_TEMP	SALINITY	CHLORA	ANIONS	BICARB	BOD	BORO_DIS	BORON	BROMIDE	CA	CARBON14	CATIONS	CHLORIDE	COD	COLOR	COND_PPT	COND_MS	COND_PPM
Salinas	47.31531641	17.4		11				0.15			88			183					
DO	26.6128326	18.13																	
Salinas	33.10151648	17.54	0.6																
Salinas	110.0395846	18.94	0.6	110				0.16			84			112					
Salinas				53				0.18			89			138					
Salinas	47.76386433	16.6		51				0.56			138			589					
DO	23.20891539	16.8																	
Salinas	38.64602956	14		93				0.17			85			211					
Salinas	33.45333751	14.2		24				0.17			87			215					
Salinas	40.56722873	12.11		8.3				0.16			58			139					
Salinas	81.26856603	8						0.1			68			109					
Salinas								0.01			0.01			0.09					
Salinas								EPA-6010			EPA-6010			EPA-300.0					
Salinas								0.1			0.05			0.5					
Salinas								mg/L			mg/L			mg/L					
Salinas				SM-10200H															
Salinas				2															
Salinas				mg/m3															
Salinas				10															
Salinas	91.8654584	11.3		6.1				0.07			36			24					
Salinas								0.01			0.02			0.09					
Salinas								EPA-6010			EPA-6010			EPA-300.0					
Salinas								0.1			0.05			0.5					
Salinas								mg/L			mg/L			mg/L					
Salinas	80.18533817	13.61	0.8	6.4				0.03			9.4			5.7					
Salinas								0.01			0.02			0.09					
Salinas								EPA-6010			EPA-6010			EPA-300.0					
Salinas								0.1			0.05			0.5					
Salinas								mg/L			mg/L			mg/L					

ProjId	DYE	ECOLI	ENTERO	FLOW	FLOW_M	FLUORIDE	FSTREP	FTDS	FTSS	H2OTEMPF	HARD	MG	N_ORG	NA	NH3_N	NH3_NH3	NH3U_N	NH4_NH4	NH4_N	NO2_N
Salinas								358	307						0.2378	0.29	0.003119972			0.07
Salinas								380	102						0.164	0.2	0.00470795			0.09
Salinas								490	30						0.1066	0.13	0.001379335			0.48
Salinas								403	25											
Salinas								720	31		354	30		104	0.287	0.35	0.012557736			1.17
Salinas								705	26		354	30		105	0.2952	0.36				1.17
Salinas								820	45		358	31		127	2.132	2.6	0.007664504			1.83
Salinas								810	51		355	31		125	2.132	2.6				1.86
DO																				
Salinas								850	14		411	39		107	1.394	1.7	0.052753516			0.9
DO																				
Salinas																				
Salinas								840	18		414	38		114	0.82	1	0.025259513			0.6
Salinas								760	4.7		411	39		113	1.968	2.4				0.75
Salinas								840	-0.25		457	43		121	2.87	3.5	0.100012413			0.42
DO																				
Salinas								815	2.5		410	37		116	4.674	5.7	0.2371268			0.201
Salinas								332	27		145	12		40	0.5002	0.61	0.002131105			0.33

Projld	DYE	ECOLI	ENTERO	FLOW	FLOW_M	FLUORIDE	FSTREP	FTDS	FTSS	H2OTEMP	HARD	MG	N_ORG	NA	NH3_N	NH3_NH3	NH3U_N	NH4_NH4	NH4_N	NO2_N
Salinas								440	16		218	17		53	1.64	2	0.005689421			0.168
Salinas								745	10		375	34		100	1.64	2	0.028374901			0.354
Salinas								30	2			0.02		0.06	0.0574	0.07				0.009
Salinas								EPA-160.4	EPA-160.4		SM-2340B	EPA-6010		EPA-6010		EPA-350.1				
Salinas								50	2		0.5	0.05		0.5	0.1968	0.24				0.021
Salinas								mg/L	mg/L		mg/L	mg/L		mg/L		mg/L				
Salinas																				
Salinas																				
Salinas																				
Salinas								372	30		152	12		32	0.205	0.25	0.001857607			0.12
Salinas								10	5			0.02		0.07	0.0164	0.02				0.009
Salinas								EPA-160.4	EPA-160.4		SM-2340B	EPA-6010		EPA-6010		EPA-350.1				
Salinas								20	5		0.5	0.05		0.5	0.0246	0.03				0.021
Salinas								mg/L	mg/L		mg/L	mg/L		mg/L		mg/L				
Salinas								10	2			0.02		0.07	0.0164	0.02				0.0099
Salinas								EPA-160.4	EPA-160.4		SM-2340B	EPA-6010		EPA-6010		EPA-350.1				
Salinas								20	2		0.5	0.05		0.5	0.0246	0.03				0.0195
Salinas								mg/L	mg/L		mg/L	mg/L		mg/L		mg/L				
Salinas								~	~			20								
Salinas								~128	57		53	3.7		11	0.3198	0.39	0.003753398			0.06
Salinas								5	8			0.02		0.07	0.0164	0.02				0.0099
Salinas								EPA-160.4	EPA-160.4		SM-2340B	EPA-6010		EPA-6010		EPA-350.1				
Salinas								10	10		0.5	0.05		0.5	0.0246	0.03				0.0195
Salinas								mg/L	mg/L		mg/L	mg/L		mg/L		mg/L				
Salinas								550	425						0.2378	0.29	0.003636409			0.13
Salinas								398	179						0.6314	0.77	0.015851023			0.075
Salinas																				
Salinas								490	50						0.2378	0.29	0.025714894			0.54
Salinas								965	794		328	29		192	2.87	3.5	0.043886585			1.29
Salinas																				
Salinas								507	150		242	21		77	3.69	4.5	0.012881124			0.75
DO																				

9A

ProjId	DYE	ECOLI	ENTERO	FLOW	FLOW_M	FLUORIDE	FSTREP	FTDS	FTSS	H2OTEMP	HARD	MG	N_ORG	NA	NH3_N	NH3_NH3	NH3U_N	NH4_NH4	NH4_N	NO2_N	
Salinas								935	74		368	36		116	1.312	1.6	0.020737356			0.9	
DO																					
Salinas																					
Salinas								765	41		350	34		100	0.4018	0.49	0.035415715			1.05	
Salinas								780	110		379	38		122	1.476	1.8				3.6	
Salinas								2620	44		1050	173		495	0.7708	0.94	0.027600173			0.54	
DO																					
Salinas								945	12		369	38		170	0.2706	0.33	0.006698377			0.36	
Salinas								945	26		366	36		180	1.886	2.3	0.012411277			0.36	
Salinas								663	21		248	25		110	2.214	2.7	0.01492113			0.42	
Salinas								607	10		285	28		80	0.6396	0.78	0.013140293			0.489	
Salinas								20	2			0.02		0.06	0.010004	0.0122				0.009	
Salinas								EPA-160.4	EPA-160.4		SM-2340B	EPA-6010		EPA-6010		EPA-350.1					
Salinas								40	2		0.5	0.05		0.5	0.0246	0.03				0.021	
Salinas								mg/L	mg/L		mg/L	mg/L		mg/L		mg/L					
Salinas																					
Salinas																					
Salinas																					
Salinas								334	70		140	12		30	0.1886	0.23	0.001973749			0.156	
Salinas								10	10			0.02		0.07	0.0164	0.02				0.009	
Salinas								EPA-160.4	EPA-160.4		SM-2340B	EPA-6010		EPA-6010		EPA-350.1					
Salinas								20	10		0.5	0.05		0.5	0.0246	0.03				0.021	
Salinas								mg/L	mg/L		mg/L	mg/L		mg/L		mg/L					
Salinas								~123	60		36	3		8.7	5.822	7.1	0.047113548			0.06	
Salinas								20	7			0.02		0.07	0.164	0.2				0.0099	
Salinas								EPA-160.4	EPA-160.4		SM-2340B	EPA-6010		EPA-6010		EPA-350.1					
Salinas								40	10		0.5	0.05		0.5	0.4018	0.49				0.0195	
Salinas								mg/L	mg/L		mg/L	mg/L		mg/L		mg/L					

ProjId	NO2_NO2	NO3_N	NO3_NO3	NO3NO2_N	OP_P	OP_PO4	NO3_PO4_RATIO	OXYAGE	P_P	PHOS_P	POTASS	RAIN	SETTLE	SILICA	SULFATE	SULFIDE	TCOLI	FCOLI	TDS
Salinas	0.233333333	3.146066	14		0.594	1.8	5.296407407			4.7							160001	17000	446
Salinas	0.3	3.595504	16		0.1848	0.56	19.45619048			1.2							17000	900	512
Salinas	1.6	7.415727	33		0.2112	0.64	35.11234375			1							160001	1600	627
Salinas																	160001	3000	490
Salinas	3.9	9.438198	42		0.429	1.3	22.00046154			2.2							35000	5000	900
Salinas	3.9	9.438198	42		0.429	1.3	22.00046154			2.2							160001	1700	
Salinas	6.1	12.808983	57		0.462	1.4	27.72507143			2.7							160001	160001	1025
Salinas	6.2	12.808983	57		0.495	1.5	25.87673333			2.8							160001	160001	
DO																			
Salinas	3	3.595504	16		0.495	1.5	7.263644444			2.2							1600	1600	1005
DO																			
Salinas																			
Salinas	2	8.98876	40		0.561	1.7	16.0227451			2.8							9000	500	1020
Salinas	2.5	3.820223	17		0.561	1.7	6.809666667			2.5							3000	210	990
Salinas	1.4	8.764041	39		-0.495	1.5	17.70513333			2.2							5000	110	1015
DO																			
Salinas	0.67	4.943818	22		0.594	1.8	8.322925926			2.5							17000	2400	990
Salinas	1.1	1.6179768	7.2		0.693	2.1	2.334742857			3.5							160001	160001	436

ProjId	NO2_NO2	NO3_N	NO3_NO3	NO3NO2_N	OP_P	OP_PO4	NO3_PO4_RATIO	OXYAGE	P_P	PHOS_P	POTASS	RAIN	SETTLE	SILICA	SULFATE	SULFIDE	TCOLI	FCOLI	TDS
Salinas	0.56	7.640446	34		0.2409	0.73	31.71625571			2							28000	9000	590
Salinas	1.18	16.2471837	72.3		0.21681	0.657	74.9374277			1.62							3000	3000	745
Salinas	0.03	0.01573033	0.07		0.0099	0.03	1.588922222			0.06									30
Salinas	EPA-353.2		EPA-300.0			EPA-365.1				EPA-365.4									EPA-160.1
Salinas	0.07	0.0898876	0.4		0.0165	0.05	5.447733333			0.15									50
Salinas	mg/L		mg/L			mg/L				mg/L									mg/L
Salinas																			
Salinas																			
Salinas	0.4	7.191008	32		0.792	2.4	9.079555556			3.8							50000	900	372
Salinas	0.03	0.01573033	0.07		0.0495	0.15	0.317784444			0.3									10
Salinas	EPA-353.2		EPA-300.0			EPA-365.1				EPA-365.4									EPA-160.1
Salinas	0.07	0.09887636	0.44		0.0825	0.25	1.198501333			0.75									20
Salinas	mg/L		mg/L			mg/L				mg/L									mg/L
Salinas	0.033	0.01573033	0.07		0.0099	0.03	1.588922222			0.06									10
Salinas	EPA-353.2		EPA-300.0			EPA-365.1				EPA-365.4									EPA-160.1
Salinas	0.065	0.0898876	0.4		0.0165	0.05	5.447733333			0.15									20
Salinas	mg/L		mg/L			mg/L				mg/L									mg/L
Salinas																			
Salinas	0.2	1.43370722	6.38		0.26202	0.794	5.471747271			2.54							160000	90000	128
Salinas	0.033	0.01573033	0.07		0.0099	0.03	1.588922222			0.06									5
Salinas	EPA-353.2		EPA-300.0			EPA-365.1				EPA-365.4									EPA-160.1
Salinas	0.065	0.0898876	0.4		0.0165	0.05	5.447733333			0.15									10
Salinas	mg/L		mg/L			mg/L				mg/L									mg/L
Salinas	0.433333333	15.505611	69		1.221	3.7	12.69910811			3.9							160001	30000	697
Salinas	0.25	7.415727	33		0.363	1.1	20.429			2.6							160001	220	496
Salinas																			
Salinas	1.8	11.460669	51		0.429	1.3	26.71484615			1.9							160000	110	656
Salinas	4.3	24.494371	109		1.716	5.2	14.27410897			12							50000	11000	1135
Salinas																			
Salinas	2.5	21.348305	95		0.858	2.6	24.88147436			6.6							160001	9000	677
DO																			

Projld	NO2_NO2	NO3_N	NO3_NO3	NO3NO2_N	OP_P	OP_PO4	NO3_PO4_RATIO	OXYAGE	P_P	PHOS_P	POTASS	RAIN	SETTLE	SILICA	SULFATE	SULFIDE	TCOLI	FCOLI	TDS	
Salinas	3	21.348305	95		1.188	3.6	17.9699537			6.7							160000	160000	1195	
DO																				
Salinas																				
Salinas	3.5	17.303363	77		1.32	4	13.10860833			5.6							160001	11000	960	
Salinas	12	6.292132	28		0.693	2.1	9.079555556			3.8							160000	17000	960	
Salinas	1.8	42.247172	188		-0.462	1.4	91.44409524			2.9							160001	160000	3080	
DO																				
Salinas	1.2	6.067413	27		0.495	1.5	12.2574			2.7							160001	24000	1165	
Salinas	1.2	6.292132	28		0.891	2.7	7.061876543			4.6							160001	160001	1105	
Salinas	1.4	4.49438	20		0.297	0.9	15.13259259			5.6							160000	9000	803	
Salinas	1.63	9.9999955	44.5		0.29337	0.889	34.08663292			2.06							160001	160001	607	
Salinas	0.03	0.01573033	0.07		0.0099	0.03	1.588922222			0.06									20	
Salinas	EPA-353.2		EPA-300.0			EPA-365.1				EPA-365.4									EPA-160.1	
Salinas	0.07	0.0898876	0.4		0.0165	0.05	5.447733333			0.15									40	
Salinas	mg/L		mg/L			mg/L				mg/L									mg/L	
Salinas																				
Salinas																				
Salinas																				
Salinas	0.52	12.0674103	53.7		1.7391	5.27	6.938882353			8.79							90000	900	334	
Salinas	0.03	0.01573033	0.07		0.0495	0.15	0.317784444			0.3									10	
Salinas	EPA-353.2		EPA-300.0			EPA-365.1				EPA-365.4									EPA-160.1	
Salinas	0.07	0.09887636	0.44		0.0825	0.25	1.198501333			0.75									20	
Salinas	mg/L		mg/L			mg/L				mg/L									mg/L	
Salinas	0.2	2.18876306	9.74		2.1648	6.56	1.011069411			11.4							160001	2300	123	
Salinas	0.033	0.01573033	0.07		0.099	0.3	0.158892222			0.3									20	
Salinas	EPA-353.2		EPA-300.0			EPA-365.1				EPA-365.4									EPA-160.1	
Salinas	0.065	0.0898876	0.4		0.165	0.5	0.544773333			0.75									40	
Salinas	mg/L		mg/L			mg/L				mg/L									mg/L	

ProjId	TKN_N	N_N	TOTAL_N	TSS	TURB_J	VS	VTDS	VTSS	DEMAND	DEPTH	DEPTHLOC	FLOW_PK	RAIND	RAINW	PHAE0	ALKALINITY	VELO	RESIDUAL	Ibatt	DoLoaded
Salinas	2.6	3.453866		385			88	78												
Salinas	0.2	3.849504		120			132	18												
Salinas	1.3	8.002327		35			137	5.5												
Salinas				33			87	8												
Salinas	2	10.895198		45			180	14												
Salinas	2.2	10.903398		40			185	14												
Salinas	2.9	16.770983		62			205	17												
Salinas	2.7	16.800983		66			195	15												
DO																				
Salinas	3.1	5.889504		27			155	13												
DO																				
Salinas																				
Salinas	2.8	10.40876		20			180	2.5												
Salinas	4.1	6.538223		13			230	8.3												
Salinas	4.7	12.054041		5			175	4.7												
DO																				
Salinas	5.3	9.818818		7			175	4.5												
Salinas	3.2	2.4481768		39			104	12												

Projld	TKN_N	N_N	TOTAL_N	TSS	TURB_J	VS	VTDS	VTSS	DEMAND	DEPTH	DEPTHLOC	FLOW_PK	RAIND	RAINW	PHAEO	ALKALINITY	VELO	RESIDUAL	Ibatt	DoLoaded
Salinas	3.8	9.448446		66			150	50												
Salinas	3.2	18.2411837		58			155	48												
Salinas	0.11	0.08213033		2			30	2												
Salinas	EPA-351.2			EPA-160.2			EPA-160.4	EPA-160.4												
Salinas	0.2	0.3076876		2			50	2												
Salinas	mg/L			mg/L			mg/L	mg/L												
Salinas																				
Salinas																				
Salinas	2	7.516008		170			96	140												
Salinas	0.6	0.04113033		5			10	5												
Salinas	EPA-351.2			EPA-160.2			EPA-160.4	EPA-160.4												
Salinas	1	0.14447636		5			20	5												
Salinas	mg/L			mg/L			mg/L	mg/L												
Salinas	0.2	0.04203033		2			10	2												
Salinas	EPA-351.2			EPA-160.2			EPA-160.4	EPA-160.4												
Salinas	0.2	0.1339876		2			20	2												
Salinas	mg/L			mg/L			mg/L	mg/L												
Salinas				45.2			~													
Salinas	1.7	1.81350722		270			~31	213												
Salinas	0.2	0.04203033		8			5	8												
Salinas	EPA-351.2			EPA-160.2			EPA-160.4	EPA-160.4												
Salinas	0.2	0.1339876		10			10	10												
Salinas	mg/L			mg/L			mg/L	mg/L												
Salinas	4.4	15.873411		515			147	90												
Salinas	2.2	8.122127		210			98	31												
Salinas	1.9	12.238469		69			166	19												
Salinas	7.7	28.654371		927			170	133												
Salinas	3.2	25.788305		198			170	48												
DO																				

ProjId	TKN_N	N_N	TOTAL_N	TSS	TURB_J	VS	VTDS	VTSS	DEMAND	DEPTH	DEPTHLOC	FLOW_PK	RAIND	RAINW	PHAE0	ALKALINITY	VELO	RESIDUAL	lbatt	DoLoaded
Salinas	4.2	23.560305		98			260	24												
DO																				
Salinas																				
Salinas	2.8	18.755163		44			195	3.3												
Salinas	5.3	11.368132		146			180	36												
Salinas	2.9	43.557972		60			460	16												
DO																				
Salinas	2.5	6.698013		26			220	14												
Salinas	5	8.538132		47			160	21												
Salinas	5.7	7.12838		56			140	35												
Salinas	3.2	11.1285955		23.6			123	13.6												
Salinas	0.11	0.03473433		2			20	2												
Salinas	EPA-351.2			EPA-160.2			EPA-160.4	EPA-160.4												
Salinas	0.2	0.1354876		2			40	2												
Salinas	mg/L			mg/L			mg/L	mg/L												
Salinas																				
Salinas																				
Salinas																				
Salinas	3.6	12.4120103		530			92	460												
Salinas	0.6	0.04113033		10			10	10												
Salinas	EPA-351.2			EPA-160.2			EPA-160.4	EPA-160.4												
Salinas	1	0.14447636		10			20	10												
Salinas	mg/L			mg/L			mg/L	mg/L												
Salinas	7.7	8.07076306		167			~41	107												
Salinas	0.6	0.18963033		7			20	7												
Salinas	EPA-351.2			EPA-160.2			EPA-160.4	EPA-160.4												
Salinas	1	0.5111876		10			40	10												
Salinas	mg/L			mg/L			mg/L	mg/L												

ProjId	DO_SAT_DEP	BioStim	QAQCflags	QAQCaction	External_File_Name	Source_File_Name	Source_File_Date
Salinas		0.868					
Salinas		0.61					
Salinas		0.853	CHLORA_00056	CHLORA_00056_Reject CHLORA_00012_Reject			
Salinas			CHLORA_00056	CHLORA_00056_Reject CHLORA_00012_Reject			
Salinas		0.832	FCOLI_00010	FCOLI_00010_A			
Salinas			FCOLI_00010 TCOLI_00010	FCOLI_00010_A ccept			
Salinas		0.999					
Salinas							
DO							
Salinas		0.899					
DO							
Salinas							
Salinas							
Salinas		0.911	OP_P_00056	OP_P_00056_R			
DO							
Salinas		0.883					
Salinas							

ProjId	DO_SAT_DEP	BioStim	QAQCflags	QAQCaction	External_File_Name	Source_File_Name	Source_File_Date
Salinas		0.983					
Salinas		0.328	TSS_00033	TSS_00033_Acc			
Salinas							
Salinas							
Salinas							
Salinas							
Salinas							
Salinas							
Salinas			CHLORA_00000	CHLORA_00000			
Salinas		0.959	BORO_DIS_00050	BORO_DIS_000			
Salinas							
Salinas							
Salinas							
Salinas							
Salinas							
Salinas			PHOS_P_00026	PHOS_P_00026			
Salinas		0.969	NH3_NH3_00026	NH3_NH3_0002			
Salinas			PHOS_P_00052	PHOS_P_00052			
Salinas							
Salinas							
Salinas		0.848					
Salinas		0.74					
Salinas							
Salinas		0.955	CHLORA_00056	CHLORA_00056 _Reject			
Salinas		0.917					
Salinas							
Salinas		0.99					
DO							

Projld	DO_SAT_DEP	BioStim	QAQCflags	QAQCaction	External_File_Name	Source_File_Name	Source_File_Date
Salinas		0.996					
DO							
Salinas							
Salinas		0.966					
Salinas							
Salinas		0.96	OP_P_00056	OP_P_00056_R			
DO							
Salinas		0.948					
Salinas		0.996					
Salinas		0.968					
Salinas		0.202	FTSS_00033	FTSS_00033_Accept			
Salinas							
Salinas							
Salinas							
Salinas							
Salinas							
Salinas			CHLORA_00000	CHLORA_00000			
Salinas		0.867	BORO_DIS_00050	BORO_DIS_000			
Salinas							
Salinas							
Salinas							
Salinas		0.962	NH3_NH3_00026	NH3_NH3_0002			
Salinas							
Salinas							
Salinas							
Salinas							