CCAMP, 2004
FS # 2331
507

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

Hi Dorena, Im 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 Buirro Creek for Fecal Coliform. The #'s provided in your comments, "CCAMP data at Cliff Dirve 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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>>> 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 beneficail use designation for groundwater recharge it shoul dbe 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

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Please note my new email address as of November 5th.
madams@waterboards.ca.gov
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CC: Dominic Roques; Karen Worcester; Lisa McCann

Arroyo Burro Creek Data

Util	ProjId	Shed	SiteTag	DateTime	TripID	Purpose	Matrix	ID	QAQC	Sampler	Notes	WtType	Weather	AIRTEMPF	AIR_TEMP	ALGA_CVR
	CC	31532	315ABU	1/16/01 13:30	T2001_01_16		H2O	I0190-01-C399				ww				
	CC	31532	315ABU	1/16/01 13:30	T2001_01_16	Mdls	H2O	*200100634*11_D				ww				
	CC	31532	315ABU	1/16/01 13:30	T2001_01_16	Methods	H2O	*200100634*11_M				ww				
	CC	31532	315ABU	1/16/01 13:30	T2001_01_16	Pqls	H2O	*200100634*11_P				ww				
	CC	31532	315ABU	1/16/01 13:30	T2001_01_16	Units	H2O	*200100634*11_U				ww				
	CC	31532	315ABU	1/16/01 13:30	T2001_01_16		H2O	*200100634*11		MARY		ww				
	CC	31532	315ABU	2/14/01 12:45	T2001_02_14		H2O	I0532-01-C1199				ww				
	CC	31532	315ABU	2/14/01 12:45	T2001_02_14	Mdls	H2O	*200101806*13_D				ww				
	CC	31532	315ABU	2/14/01 12:45	T2001_02_14	Methods	H2O	*200101806*13_M				ww				
	CC	31532	315ABU	2/14/01 12:45	T2001_02_14	Pqls	H2O	*200101806*13_P				ww				
	CC	31532	315ABU	2/14/01 12:45	T2001_02_14	Units	H2O	*200101806*13_U				ww				
	CC	31532	315ABU	2/14/01 12:45	T2001_02_14		H2O	*200101806*3			Rained yesterday.	ww			17	
	CC	31532	315ABU	3/5/01 13:20	T2001_03_05		H2O	*200102538*12			Raining today. Very	ww				
	CC	31532	315ABU	3/5/01 13:20	T2001_03_05	Mdls	H2O	*200102538*12_D				ww				
	CC	31532	315ABU	3/5/01 13:20	T2001_03_05	Methods	H2O	*200102538*12_M				ww				
	CC	31532	315ABU	3/5/01 13:20	T2001_03_05	Pqls	H2O	*200102538*12_P				ww				
	CC	31532	315ABU	3/5/01 13:20	T2001_03_05	Units	H2O	*200102538*12_U				ww				
	CC	31532	315ABU	3/5/01 13:20	T2001_03_05		H2O	5594		MARY		ww				
	CC	31532	315ABU	3/5/01 13:20	T2001_03_05		H2O	I0728- 01-C1638				ww				
	CC	31532	315ABU	4/2/01 12:33	T2001_04_02		H2O	I1048-01-C2426				ww				
	CC	31532	315ABU	4/2/01 12:33	T2001_04_02		H2O	*200103743*13		MARY	Channel full and slow	ww			14	
	CC	31532	315ABU	5/7/01 14:16	T2001_05_07		H2O	I1499-01-C3556				ww				
	CC	31532	315ABU	5/7/01 14:16	T2001_05_07	Mdls	H2O	*200105294*14_D				ww				
	CC	31532	315ABU	5/7/01 14:16	T2001_05_07	Methods	H2O	*200105294*14_M				ww				
	CC	31532	315ABU	5/7/01 14:16	T2001_05_07	Pqls	H2O	*200105294*14_P				ww				
	CC	31532	315ABU	5/7/01 14:16	T2001_05_07	Units	H2O	*200105294*14_U				ww				
	CC	31532	315ABU	5/7/01 14:16	T2001_05_07		H2O	*200105294*14		MARY	Oily folm on surface of	ww		74		
	CC	31532	315ABU	6/5/01 13:02	T2001_06_05		H2O	I1823-01-C4320				ww				
	CC	31532	315ABU	6/5/01 13:02	T2001_06_05		H2O	*200106461*13		MARY		ww				
	CC	31532	315ABU	6/5/01 13:02	T2001_06_05		H2O	H060501130234			Bat feces odor.	ww		71		
	CC	31532	315ABU	7/9/01 13:31	T2001_07_09		H2O	I2230-01-C5302				ww				
	CC	31532	315ABU	7/9/01 13:31	T2001_07_09	Mdls	H2O	*200107738*10_D				ww				
	CC	31532	315ABU	7/9/01 13:31	T2001_07_09	Methods	H2O	*200107738*10_M				ww				
	CC	31532	315ABU	7/9/01 13:31	T2001_07_09	Pqls	H2O	*200107738*10_P				ww				
	CC	31532	315ABU	7/9/01 13:31	T2001_07_09	Units	H2O	*200107738*10_U				ww				
	CC	31532	315ABU	7/9/01 13:31	T2001_07_09		H2O	*200107738*10		MARY		ww				
	CC	31532	315ABU	7/9/01 13:31	T2001_07_09		H2O	H070901133121			trash, budweiser,	ww				
	DO	31532	315ABU	7/17/01 4:39	T2001_07_17		H2O	H071701043904				ww				
	DO	31532	315ABU	8/3/01 4:14	T2001_08_03		H2O	H080301041428				ww				
	CC	31532	315ABU	8/6/01 12:46	T2001_08_06		H2O	I2539-01-C6192				ww				
	CC	31532	315ABU	8/6/01 12:46	T2001_08_06	Mdls	H2O	*200108991*13_D				ww				

Util	ProjId	Shed	SiteTag	DateTime	TripID	Purpose	Matrix	ID	QAQC	Sampler	Notes	WtType	Weather	AIRTEMPF	AIR_TEMP	ALGA_CVR
	CC	31532	315ABU	8/6/01 12:46	T2001_08_06	Methods	H2O	*200108991*13_M				ww				
	CC	31532	315ABU	8/6/01 12:46	T2001_08_06	Pqls	H2O	*200108991*13_P				ww				
	CC	31532	315ABU	8/6/01 12:46	T2001_08_06	Units	H2O	*200108991*13_U				ww				
	CC	31532	315ABU	8/6/01 12:46	T2001_08_06		H2O	*200108991*3				ww				
	CC	31532	315ABU	8/6/01 12:47	T2001_08_06		H2O	H080601124704			thick algal mats, oily	ww		70		
	DO	31532	315ABU	9/5/01 4:48	T2001_09_05		H2O	H090501044823				ww				
	CC	31532	315ABU	9/5/01 12:51	T2001_09_05		H2O	I2874-01-C7096				ww				
	CC	31532	315ABU	9/5/01 12:51	T2001_09_05		H2O	*200110143*11		Tina		ww				
	CC	31532	315ABU	9/5/01 12:51	T2001_09_05		H2O	H090501125109				ww		73		
	CC	31532	315ABU	10/1/01 11:55	T2001_10_01		H2O	*200111202*6		Tina		ww				
	CC	31532	315ABU	10/1/01 11:55	T2001_10_01	Mdls	H2O	*200111202*6_D				ww				
	CC	31532	315ABU	10/1/01 11:55	T2001_10_01	Methods	H2O	*200111202*6_M				ww				
	CC	31532	315ABU	10/1/01 11:55	T2001_10_01	Pqls	H2O	*200111202*6_P				ww				
	CC	31532	315ABU	10/1/01 11:55	T2001_10_01	Units	H2O	*200111202*6_U				ww				
	CC	31532	315ABU	10/1/01 11:55	T2001_10_01		H2O	H100101115536				ww		68		
	CC	31532	315ABU	10/31/01 15:19	T2001_10_31		H2O	I3585-01-C8933				ww				
	CC	31532	315ABU	10/31/01 15:19	T2001_10_31	Mdls	H2O	*200112474*10_D				ww				
	CC	31532	315ABU	10/31/01 15:19	T2001_10_31	Methods	H2O	*200112474*10_M				ww				
	CC	31532	315ABU	10/31/01 15:19	T2001_10_31	Pqls	H2O	*200112474*10_P				ww				
	CC	31532	315ABU	10/31/01 15:19	T2001_10_31	Units	H2O	*200112474*10_U				ww				
	CC	31532	315ABU	10/31/01 15:19	T2001_10_31		H2O	*200112474*10				ww				
	CC	31532	315ABU	10/31/01 15:19	T2001_10_31		H2O	5863		Tina	Algae dying	ww				
	CC	31532	315ABU	10/31/01 15:19	T2001_10_31		H2O	H103101151946				ww				
	CC	31532	315ABU	12/3/01 14:16	T2001_12_03		H2O	I3952-01-C9902				ww				
	CC	31532	315ABU	12/3/01 14:16	T2001_12_03		H2O	*200113675*12				ww				
	CC	31532	315ABU	12/3/01 14:16	T2001_12_03		H2O	5901		Tina	Decomposing log in	ww			16	
	CC	31532	315ABU	12/3/01 14:16	T2001_12_03		H2O	H120301141726				ww				
	CC	31532	315ABU	1/2/02 13:13	T2002_01_02		H2O	J0017-02-C63				ww				
	CC	31532	315ABU	1/2/02 13:13	T2002_01_02	Mdls	H2O	*200200059*12_D				ww				
	CC	31532	315ABU	1/2/02 13:13	T2002_01_02	Methods	H2O	*200200059*12_M				ww				
	CC	31532	315ABU	1/2/02 13:13	T2002_01_02	Pqls	H2O	*200200059*12_P				ww				
	CC	31532	315ABU	1/2/02 13:13	T2002_01_02	Units	H2O	*200200059*12_U				ww				
	CC	31532	315ABU	1/2/02 13:13	T2002_01_02		H2O	*200200059*12				ww				
	CC	31532	315ABU	1/2/02 13:13	T2002_01_02		H2O	5963		Tina		ww			17	
	CC	31532	315ABU	1/2/02 13:13	T2002_01_02		H2O	H010202131349				ww				
	CC	31532	315ABU	2/4/02 13:17	T2002_02_04		H2O	J0467-02-C1327				ww				
	CC	31532	315ABU	2/4/02 13:17	T2002_02_04	Mdls	H2O	*200201178*12_D				ww				
	CC	31532	315ABU	2/4/02 13:17	T2002_02_04	Methods	H2O	*200201178*12_M				ww				
	CC	31532	315ABU	2/4/02 13:17	T2002_02_04	Pqls	H2O	*200201178*12_P				ww				
	CC	31532	315ABU	2/4/02 13:17	T2002_02_04	Units	H2O	*200201178*12_U				ww				
	CC	31532	315ABU	2/4/02 13:17	T2002_02_04		H2O	*200201178*12				ww				

Util	ProjId	Shed	SiteTag	DateTime	TripID	Purpose	Matrix	ID	QAQC	Sampler	Notes	WtType	Weather	AIRTEMPF	AIR_TEMP	ALGA_CVR
	CC	31532	315ABU	2/4/02 13:17	T2002_02_04		H2O	H020402131803		Tina	silt bottom	ww				
	CC	31532	315ABU	3/4/02 12:15	T2002_03_04		H2O	J0833-02-C2299				ww				
	CC	31532	315ABU	3/4/02 12:15	T2002_03_04	Mdls	H2O	*200202200*11_D				ww				
	CC	31532	315ABU	3/4/02 12:15	T2002_03_04	Methods	H2O	*200202200*11_M				ww				
	CC	31532	315ABU	3/4/02 12:15	T2002_03_04	Pqls	H2O	*200202200*11_P				ww				
	CC	31532	315ABU	3/4/02 12:15	T2002_03_04	Units	H2O	*200202200*11_U				ww				
	CC	31532	315ABU	3/4/02 12:15	T2002_03_04		H2O	*200202200*11				ww				
	CC	31532	315ABU	3/4/02 12:15	T2002_03_04		H2O	H030402121540				ww				
	CC	31532	315ABU	3/17/02 9:53	T2002_03_17	Mdls	H2O	*200202763*3_D				ww				
	CC	31532	315ABU	3/17/02 9:53	T2002_03_17	Methods	H2O	*200202763*3_M				ww				
	CC	31532	315ABU	3/17/02 9:53	T2002_03_17	Pqls	H2O	*200202763*3_P				ww				
	CC	31532	315ABU	3/17/02 9:53	T2002_03_17	Units	H2O	*200202763*3_U				ww				
	CC	31532	315ABU	3/17/02 9:53	T2002_03_17		H2O	*200202763*3				ww				
	CC	31532	315ABU	3/17/02 9:53	T2002_03_17		H2O	H031702095831			No habitat assessment,	ww				
	CC	31532	315ABU	4/11/02 11:00	T2002_04_11		H2O	J1409-02-C3938				ww				
	CC	31532	315ABU	4/11/02 11:00	T2002_04_11	Mdls	H2O	*200203794*7_D				ww				
	CC	31532	315ABU	4/11/02 11:00	T2002_04_11	Methods	H2O	*200203794*7_M				ww				
	CC	31532	315ABU	4/11/02 11:00	T2002_04_11	Pqls	H2O	*200203794*7_P				ww				
	CC	31532	315ABU	4/11/02 11:00	T2002_04_11	Units	H2O	*200203794*7_U				ww				
	CC	31532	315ABU	4/11/02 11:00	T2002_04_11		H2O	*200203794*7				ww				
	CC	31532	315ABU	4/11/02 11:00	T2002_04_11		H2O	H041102110033			swallows nesting under	ww		60		
	CC	31532	315ABU	5/9/02 10:40	T2002_05_09		H2O	J1807-02-C5285				ww				
	CC	31532	315ABU	5/9/02 10:40	T2002_05_09	Mdls	H2O	*200204857*6_D				ww				
	CC	31532	315ABU	5/9/02 10:40	T2002_05_09	Methods	H2O	*200204857*6_M				ww				
	CC	31532	315ABU	5/9/02 10:40	T2002_05_09	Pqls	H2O	*200204857*6_P				ww				
	CC	31532	315ABU	5/9/02 10:40	T2002_05_09	Units	H2O	*200204857*6_U				ww				
	CC	31532	315ABU	5/9/02 10:40	T2002_05_09		H2O	*200204857*6				ww				
	CC	31532	315ABU	5/9/02 10:40	T2002_05_09		H2O	H050902104022			heard frogs, trash = 2	ww		67		
	CC	31532	315ABU	6/4/02 10:58	T2002_06_04		H2O	J2122-02-C6593				ww				
	CC	31532	315ABU	6/4/02 10:58	T2002_06_04	Mdls	H2O	*200205741*6_D				ww				
	CC	31532	315ABU	6/4/02 10:58	T2002_06_04	Methods	H2O	*200205741*6_M				ww				
	CC	31532	315ABU	6/4/02 10:58	T2002_06_04	Pqls	H2O	*200205741*6_P				ww				
	CC	31532	315ABU	6/4/02 10:58	T2002_06_04	Units	H2O	*200205741*6_U				ww				
	CC	31532	315ABU	6/4/02 10:58	T2002_06_04		H2O	*200205741*6				ww				
	CC	31532	315ABU	6/4/02 10:58	T2002_06_04		H2O	H060402105849			lots of graffiti, 1 crayfish	ww		74		
	CC	31532	315ABU	7/2/02 11:39	T2002_07_02		H2O	J2550-02-C7861				ww				
	CC	31532	315ABU	7/2/02 11:39	T2002_07_02		H2O	H070202113911			sparrows, negative	ww		74		
	CC	31532	315ABU	7/30/02 10:48	T2002_07_30		H2O	J2930-02-C8809				ww				
	CC	31532	315ABU	7/30/02 10:48	T2002_07_30		H2O	H073002104833			2 trash, 6 crayfish	ww			23	
	CC	31532	315ABU	8/26/02 11:08	T2002_08_26		H2O	J3274-02-C10008				ww				
	CC	31532	315ABU	8/26/02 11:08	T2002_08_26		H2O	H082602110844			paint can floating in	ww	sunny and	76		

Util	ProjId	Shed	SiteTag	DateTime	TripID	Purpose	Matrix	ID	QAQC	Sampler	Notes	WtType	Weather	AIRTEMPF	AIR_TEMP	ALGA_CVR
	CC	31532	315ABU	9/23/02 11:09	T2002_09_23		H2O	J3653-02-C10990				ww				
	CC	31532	315ABU	9/23/02 11:09	T2002_09_23		H2O	6146		DAN	trash = 3, incl 1 spray	ww	Sunny	70		
	CC	31532	315ABU	9/23/02 11:09	T2002_09_23		H2O	H092302110928				ww				
	CC	31532	315ABU	10/21/02 11:25	T2002_10_21		H2O	*200210642*6				ww				
	CC	31532	315ABU	10/21/02 11:25	T2002_10_21	Mdls	H2O	*200210642*6_D				ww				
	CC	31532	315ABU	10/21/02 11:25	T2002_10_21	Methods	H2O	*200210642*6_M				ww				
	CC	31532	315ABU	10/21/02 11:25	T2002_10_21	Pqls	H2O	*200210642*6_P				ww				
	CC	31532	315ABU	10/21/02 11:25	T2002_10_21	Units	H2O	*200210642*6_U				ww				
	CC	31532	315ABU	10/21/02 11:25	T2002_10_21		H2O	6192		DAN	trash = 4	ww		70		
	CC	31532	315ABU	10/21/02 11:25	T2002_10_21		H2O	H102102112529				ww				
	CC	31532	315ABU	11/20/02 10:10	T2002_11_20		H2O	*200211847*6				ww				
	CC	31532	315ABU	11/20/02 10:10	T2002_11_20	Mdls	H2O	*200211847*6_D				ww				
	CC	31532	315ABU	11/20/02 10:10	T2002_11_20	Methods	H2O	*200211847*6_M				ww				
	CC	31532	315ABU	11/20/02 10:10	T2002_11_20	Pqls	H2O	*200211847*6_P				ww				
	CC	31532	315ABU	11/20/02 10:10	T2002_11_20	Units	H2O	*200211847*6_U				ww				
	CC	31532	315ABU	11/20/02 10:10	T2002_11_20		H2O	6242		DAN	ERHF, 1 great egret,	ww		70		
	CC	31532	315ABU	11/20/02 10:10	T2002_11_20		H2O	H112002101038				ww				
	CC	31532	315ABU	12/18/02 11:04	T2002_12_18		H2O	*200212814*6				ww				
	CC	31532	315ABU	12/18/02 11:04	T2002_12_18	Mdls	H2O	*200212814*6_D				ww				
	CC	31532	315ABU	12/18/02 11:04	T2002_12_18	Methods	H2O	*200212814*6_M				ww				
	CC	31532	315ABU	12/18/02 11:04	T2002_12_18	Pqls	H2O	*200212814*6_P				ww				
	CC	31532	315ABU	12/18/02 11:04	T2002_12_18	Units	H2O	*200212814*6_U				ww				
	CC	31532	315ABU	12/18/02 11:04	T2002_12_18		H2O	6305		DAN	ERHF, very turbid, coon	ww	sunny today,	60		
	CC	31532	315ABU	12/18/02 11:04	T2002_12_18		H2O	H121802110438				ww				
	CC	31532	315ABU	2/18/03 11:01	T2003_02_18		H2O	*200301626*6				ww				
	CC	31532	315ABU	2/18/03 11:01	T2003_02_18	Mdls	H2O	*200301626*6_D				ww				
	CC	31532	315ABU	2/18/03 11:01	T2003_02_18	Methods	H2O	*200301626*6_M				ww				
	CC	31532	315ABU	2/18/03 11:01	T2003_02_18	Pqls	H2O	*200301626*6_P				ww				
	CC	31532	315ABU	2/18/03 11:01	T2003_02_18	Units	H2O	*200301626*6_U				ww				
	CC	31532	315ABU	2/18/03 11:01	T2003_02_18		H2O	H021803110132			2 ducks, 1 Frog	ww		65		
	CC	31532	315ABU	3/18/03 11:15	T2003_03_18		H2O	*200302582*6				ww				
	CC	31532	315ABU	3/18/03 11:15	T2003_03_18	Mdls	H2O	*200302582*6_D				ww				
	CC	31532	315ABU	3/18/03 11:15	T2003_03_18	Methods	H2O	*200302582*6_M				ww				
	CC	31532	315ABU	3/18/03 11:15	T2003_03_18	Pqls	H2O	*200302582*6_P				ww				
	CC	31532	315ABU	3/18/03 11:15	T2003_03_18	Units	H2O	*200302582*6_U				ww				
	CC	31532	315ABU	3/18/03 11:15	T2003_03_18		H2O	H031803111555				ww				
6	CC	31532	315ABU	3/4/04 8:56			H2O	*200402289*6				ww				
	CC	31532	315ABU	3/4/04 8:56		Mdls	H2O	*200402289*6_D				ww				
	CC	31532	315ABU	3/4/04 8:56		Methods	H2O	*200402289*6_M				ww				
	CC	31532	315ABU	3/4/04 8:56		Pqls	H2O	*200402289*6_P				ww				
	CC	31532	315ABU	3/4/04 8:56		Units	H2O	*200402289*6_U				ww				

Util	ProjId	Shed	SiteTag	DateTime	TripID	Purpose	Matrix	ID	QAQC	Sampler	Notes	WtType	Weather	AIRTEMPF	AIR_TEMP	ALGA_CVR
	CC	31532	315ABU	3/4/04 8:56			H2O	H030404095632			Water color yellowish.	ww				
7	CC	31532	315ABU	3/31/04 13:21			H2O	*200403238*6				ww				
	CC	31532	315ABU	3/31/04 13:21		Mdls	H2O	*200403238*6_D				ww				
	CC	31532	315ABU	3/31/04 13:21		Methods	H2O	*200403238*6_M				ww				
	CC	31532	315ABU	3/31/04 13:21		Pqls	H2O	*200403238*6_P				ww				
	CC	31532	315ABU	3/31/04 13:21		Units	H2O	*200403238*6_U				ww				
	CC	31532	315ABU	3/31/04 13:21			H2O	H033104142115			Fillamentous aglae	ww				
7	CC	31532	315ABU	5/19/04 11:36			H2O	*200405143*6				ww				
	CC	31532	315ABU	5/19/04 11:36		Mdls	H2O	*200405143*6_D				ww				
	CC	31532	315ABU	5/19/04 11:36		Methods	H2O	*200405143*6_M				ww				
	CC	31532	315ABU	5/19/04 11:36		Pqls	H2O	*200405143*6_P				ww				
	CC	31532	315ABU	5/19/04 11:36		Units	H2O	*200405143*6_U				ww				
	CC	31532	315ABU	5/19/04 11:36			H2O	H051904113603				ww				
7	CC	31532	315ABU	6/23/04 11:22			H2O	*200406474*6				ww				
	CC	31532	315ABU	6/23/04 11:22		Mdls	H2O	*200406474*6_D				ww				
	CC	31532	315ABU	6/23/04 11:22		Methods	H2O	*200406474*6_M				ww				
	CC	31532	315ABU	6/23/04 11:22		Pqls	H2O	*200406474*6_P				ww				
	CC	31532	315ABU	6/23/04 11:22		Units	H2O	*200406474*6_U				ww				
	CC	31532	315ABU	6/23/04 11:22			H2O	H062304112223				ww				
7	CC	31532	315ABU	8/5/04 10:31			H2O	*200408107*5				ww				
	CC	31532	315ABU	8/5/04 10:31		Mdls	H2O	*200408107*5_D				ww				
	CC	31532	315ABU	8/5/04 10:31		Methods	H2O	*200408107*5_M				ww				
	CC	31532	315ABU	8/5/04 10:31		Pqls	H2O	*200408107*5_P				ww				
	CC	31532	315ABU	8/5/04 10:31		Units	H2O	*200408107*5_U				ww				
	CC	31532	315ABU	8/5/04 10:31			H2O	H080504103157				ww				
	CC	31532	315ABU	9/2/04 14:18			H2O	*200409186*6				ww				
	CC	31532	315ABU	9/2/04 14:18		Mdls	H2O	*200409186*6_D				ww				
	CC	31532	315ABU	9/2/04 14:18		Methods	H2O	*200409186*6_M				ww				
	CC	31532	315ABU	9/2/04 14:18		Pqls	H2O	*200409186*6_P				ww				
	CC	31532	315ABU	9/2/04 14:18		Units	H2O	*200409186*6_U				ww				
20	CC	31532	315ABU	9/2/04 14:19			H2O	H090204141925			Stage=0.2. Stagnant	ww				
9	CC	31532	315ABU	10/7/04 14:26			H2O	*200410562*5				ww				
	CC	31532	315ABU	10/7/04 14:26		Mdls	H2O	*200410562*5_D				ww				
	CC	31532	315ABU	10/7/04 14:26		Methods	H2O	*200410562*5_M				ww				
	CC	31532	315ABU	10/7/04 14:26		Pqls	H2O	*200410562*5_P				ww				
	CC	31532	315ABU	10/7/04 14:26		Units	H2O	*200410562*5_U				ww				
	CC	31532	315ABU	10/7/04 14:26			H2O			MARY		ww				
	CC	31532	315ABU	10/7/04 14:26			H2O	H100704142618			Scuzzy water. Floating	ww				
11	CC	31532	315ABU	11/4/04 12:43			H2O	*200411740*6				ww				
	CC	31532	315ABU	11/4/04 12:43		Mdls	H2O	*200411740*6_D				ww				
	CC	31532	315ABU	11/4/04 12:43		Methods	H2O	*200411740*6_M				ww				

Util	ProjId	Shed	SiteTag	DateTime	TripID	Purpose	Matrix	ID	QAQC	Sampler	Notes	WtType	Weather	AIRTEMPF	AIR_TEMP	ALGA_CVR
	CC	31532	315ABU	11/4/04 12:43		Pqls	H2O	*200411740*6_P				ww				
	CC	31532	315ABU	11/4/04 12:43		Units	H2O	*200411740*6_U				ww				
	CC	31532	315ABU	11/4/04 12:43			H2O			MARY		ww				
	CC	31532	315ABU	11/4/04 12:43			H2O	H110404124350			Stage=0.3, heavier flow	ww				
28	CC	31532	315ABU	12/8/04 11:57			H2O			LISA/B		ww				
	CC	31532	315ABU	12/8/04 11:57		MDLs	H2O	*200413029*6_D				ww				
	CC	31532	315ABU	12/8/04 11:57		Methods	H2O	*200413029*6_M				ww				
	CC	31532	315ABU	12/8/04 11:57		PQLs	H2O	*200413029*6_P				ww				
	CC	31532	315ABU	12/8/04 11:57		Units	H2O	*200413029*6_U				ww				
	CC	31532	315ABU	12/8/04 11:57			H2O	*200413029*6				ww				
	CC	31532	315ABU	12/8/04 11:57			H2O	H120804115715			stage=0.1. Good flow	ww				
	SantaBarb	31532	315ABH	1/16/01 14:30	T2001_01_16		H2O	I0190-01-C401			Bridge Sample	ww			17	
	SantaBarb	31532	315ABH	1/16/01 14:30	T2001_01_16	Mdls	H2O	*200100634*13_D				ww				
	SantaBarb	31532	315ABH	1/16/01 14:30	T2001_01_16	Methods	H2O	*200100634*13_M				ww				
	SantaBarb	31532	315ABH	1/16/01 14:30	T2001_01_16	Pqls	H2O	*200100634*13_P				ww				
	SantaBarb	31532	315ABH	1/16/01 14:30	T2001_01_16	Units	H2O	*200100634*13_U				ww				
	SantaBarb	31532	315ABH	1/16/01 14:30	T2001_01_16		H2O	*200100634*13		MARY		ww				
	SantaBarb	31532	315ABH	1/16/01 14:45	T2001_01_16	Fd	H2O	*200100634*14				ww				
	SantaBarb	31532	315ABH	1/16/01 14:45	T2001_01_16	Mdls	H2O	*200100634*14_D				ww				
	SantaBarb	31532	315ABH	1/16/01 14:45	T2001_01_16	Methods	H2O	*200100634*14_M				ww				
	SantaBarb	31532	315ABH	1/16/01 14:45	T2001_01_16	Pqls	H2O	*200100634*14_P				ww				
	SantaBarb	31532	315ABH	1/16/01 14:45	T2001_01_16	Units	H2O	*200100634*14_U				ww				
	SantaBarb	31532	315ABH	2/14/01 13:20	T2001_02_14		H2O	I0532-01-C1200				ww				
	SantaBarb	31532	315ABH	2/14/01 13:20	T2001_02_14	Mdls	H2O	*200101806*12_D				ww				
	SantaBarb	31532	315ABH	2/14/01 13:20	T2001_02_14	Methods	H2O	*200101806*12_M				ww				
	SantaBarb	31532	315ABH	2/14/01 13:20	T2001_02_14	Pqls	H2O	*200101806*12_P				ww				
	SantaBarb	31532	315ABH	2/14/01 13:20	T2001_02_14	Units	H2O	*200101806*12_U				ww				
	SantaBarb	31532	315ABH	2/14/01 13:20	T2001_02_14		H2O	*200101806*2			Rained yesterday.	ww			16	
	SantaBarb	31532	315ABH	3/5/01 13:45	T2001_03_05		H2O	*200102538*13		MARY	Raining today. Very	ww				
	SantaBarb	31532	315ABH	3/5/01 13:45	T2001_03_05	Mdls	H2O	*200102538*13_D				ww				
	SantaBarb	31532	315ABH	3/5/01 13:45	T2001_03_05	Methods	H2O	*200102538*13_M				ww				
	SantaBarb	31532	315ABH	3/5/01 13:45	T2001_03_05	Pqls	H2O	*200102538*13_P				ww				
	SantaBarb	31532	315ABH	3/5/01 13:45	T2001_03_05	Units	H2O	*200102538*13_U				ww				
	SantaBarb	31532	315ABH	3/5/01 13:45	T2001_03_05		H2O	I0728- 01-C1639				ww				
	SantaBarb	31532	315ABH	4/2/01 13:00	T2001_04_02		H2O	I1048-01-C2427				ww				
	SantaBarb	31532	315ABH	4/2/01 13:00	T2001_04_02		H2O	*200103743*14				ww				
	SantaBarb	31532	315ABH	4/2/01 13:00	T2001_04_02		H2O	5660		MARY	Channel full and	ww			17	
	SantaBarb	31532	315ABH	5/7/01 14:33	T2001_05_07		H2O	I1499-01-C3557				ww				
	SantaBarb	31532	315ABH	5/7/01 14:33	T2001_05_07	Mdls	H2O	*200105294*15_D				ww				
	SantaBarb	31532	315ABH	5/7/01 14:33	T2001_05_07	Methods	H2O	*200105294*15_M				ww				
	SantaBarb	31532	315ABH	5/7/01 14:33	T2001_05_07	Pqls	H2O	*200105294*15_P				ww				

Util	ProjId	Shed	SiteTag	DateTime	TripID	Purpose	Matrix	ID	QAQC	Sampler	Notes	WtType	Weather	AIRTEMPF	AIR_TEMP	ALGA_CVR
	SantaBarb	31532	315ABH	5/7/01 14:33	T2001_05_07	Units	H2O	*200105294*15_U				ww				
	SantaBarb	31532	315ABH	5/7/01 14:33	T2001_05_07		H2O	*200105294*15		MARY		ww		72		
	SantaBarb	31532	315ABH	6/5/01 13:22	T2001_06_05		H2O	I1823-01-C4321				ww				
	SantaBarb	31532	315ABH	6/5/01 13:22	T2001_06_05		H2O	*200106461*14				ww				
	SantaBarb	31532	315ABH	6/5/01 13:22	T2001_06_05		H2O	5794		MARY		ww		70		
	SantaBarb	31532	315ABH	6/5/01 13:22	T2001_06_05		H2O	H060501132222				ww				
	SantaBarb	31532	315ABH	7/9/01 13:54	T2001_07_09		H2O	I2230-01-C5303				ww				
	SantaBarb	31532	315ABH	7/9/01 13:54	T2001_07_09		H2O	*200107738*11		MARY		ww				
	SantaBarb	31532	315ABH	7/9/01 13:55	T2001_07_09		H2O	H070901135518			barely flowing over	ww		82		
	DO	31532	315ABH	7/17/01 4:53	T2001_07_17		H2O	H071701045316				ww				
	DO	31532	315ABH	8/3/01 4:28	T2001_08_03		H2O	H080301042836				ww				
	SantaBarb	31532	315ABH	8/6/01 13:09	T2001_08_06		H2O	I2539-01-C6193				ww				
	SantaBarb	31532	315ABH	8/6/01 13:09	T2001_08_06	Mdls	H2O	*200108991*12_D				ww				
	SantaBarb	31532	315ABH	8/6/01 13:09	T2001_08_06	Methods	H2O	*200108991*12_M				ww				
	SantaBarb	31532	315ABH	8/6/01 13:09	T2001_08_06	Pqls	H2O	*200108991*12_P				ww				
	SantaBarb	31532	315ABH	8/6/01 13:09	T2001_08_06	Units	H2O	*200108991*12_U				ww				
	SantaBarb	31532	315ABH	8/6/01 13:09	T2001_08_06		H2O	*200108991*2				ww				
	SantaBarb	31532	315ABH	8/6/01 13:09	T2001_08_06		H2O	H080601130954			smells like feces, barely	ww		75		
	DO	31532	315ABH	9/5/01 5:08	T2001_09_05		H2O	H090501050855				ww				
	SantaBarb	31532	315ABH	9/5/01 13:14	T2001_09_05		H2O	I2874-01-C7097				ww				
	SantaBarb	31532	315ABH	9/5/01 13:14	T2001_09_05		H2O	*200110143*12		Tina		ww				
	SantaBarb	31532	315ABH	9/5/01 13:15	T2001_09_05		H2O	H090501131507			Very little flow over	ww		75		
	SantaBarb	31532	315ABH	10/31/01 15:42	T2001_10_31		H2O	I3585-01-C8934				ww				
	SantaBarb	31532	315ABH	10/31/01 15:42	T2001_10_31	Mdls	H2O	*200112474*11_D				ww				
	SantaBarb	31532	315ABH	10/31/01 15:42	T2001_10_31	Methods	H2O	*200112474*11_M				ww				
	SantaBarb	31532	315ABH	10/31/01 15:42	T2001_10_31	Pqls	H2O	*200112474*11_P				ww				
	SantaBarb	31532	315ABH	10/31/01 15:42	T2001_10_31	Units	H2O	*200112474*11_U				ww				
	SantaBarb	31532	315ABH	10/31/01 15:42	T2001_10_31		H2O	*200112474*11				ww				
	SantaBarb	31532	315ABH	10/31/01 15:42	T2001_10_31		H2O	5864		Tina	Water very dark brown	ww				
	SantaBarb	31532	315ABH	10/31/01 15:42	T2001_10_31		H2O	H103101154257				ww				
	SantaBarb	31532	315ABH	1/2/02 13:36	T2002_01_02		H2O	J0017-02-C64				ww				
	SantaBarb	31532	315ABH	1/2/02 13:36	T2002_01_02	Mdls	H2O	*200200059*13_D				ww				
	SantaBarb	31532	315ABH	1/2/02 13:36	T2002_01_02	Methods	H2O	*200200059*13_M				ww				
	SantaBarb	31532	315ABH	1/2/02 13:36	T2002_01_02	Pqls	H2O	*200200059*13_P				ww				
	SantaBarb	31532	315ABH	1/2/02 13:36	T2002_01_02	Units	H2O	*200200059*13_U				ww				
	SantaBarb	31532	315ABH	1/2/02 13:36	T2002_01_02		H2O	*200200059*13				ww				
	SantaBarb	31532	315ABH	1/2/02 13:36	T2002_01_02		H2O	5964		Tina	Nearly stagnant	ww			17	
	SantaBarb	31532	315ABH	1/2/02 13:36	T2002_01_02		H2O	H010202133634				ww				
	SantaBarb	31532	315ABH	2/4/02 13:41	T2002_02_04		H2O	J0467-02-C1328				ww				
	SantaBarb	31532	315ABH	2/4/02 13:41	T2002_02_04	Mdls	H2O	*200201178*13_D				ww				
	SantaBarb	31532	315ABH	2/4/02 13:41	T2002_02_04	Methods	H2O	*200201178*13_M				ww				

Util	ProjId	Shed	SiteTag	DateTime	TripID	Purpose	Matrix	ID	QAQC	Sampler	Notes	WtType	Weather	AIRTEMPF	AIR_TEMP	ALGA_CVR
	SantaBarb	31532	315ABH	2/4/02 13:41	T2002_02_04	Pqls	H2O	*200201178*13_P				ww				
	SantaBarb	31532	315ABH	2/4/02 13:41	T2002_02_04	Units	H2O	*200201178*13_U				ww				
	SantaBarb	31532	315ABH	2/4/02 13:41	T2002_02_04		H2O	*200201178*13				ww				
	SantaBarb	31532	315ABH	2/4/02 13:41	T2002_02_04		H2O	H020402134138			channelized	ww				
	SantaBarb	31532	315ABH	3/4/02 12:38	T2002_03_04		H2O	J0833-02-C2301				ww				
	SantaBarb	31532	315ABH	3/4/02 12:38	T2002_03_04	Mdls	H2O	*200202200*12_D				ww				
	SantaBarb	31532	315ABH	3/4/02 12:38	T2002_03_04	Methods	H2O	*200202200*12_M				ww				
	SantaBarb	31532	315ABH	3/4/02 12:38	T2002_03_04	Pqls	H2O	*200202200*12_P				ww				
	SantaBarb	31532	315ABH	3/4/02 12:38	T2002_03_04	Units	H2O	*200202200*12_U				ww				
	SantaBarb	31532	315ABH	3/4/02 12:38	T2002_03_04		H2O	*200202200*12				ww				
	SantaBarb	31532	315ABH	3/4/02 12:38	T2002_03_04		H2O	H030402123843				ww				
	SantaBarb	31532	315ABH	3/17/02 10:33	T2002_03_17	Mdls	H2O	*200202763*2_D				ww				
	SantaBarb	31532	315ABH	3/17/02 10:33	T2002_03_17	Methods	H2O	*200202763*2_M				ww				
	SantaBarb	31532	315ABH	3/17/02 10:33	T2002_03_17	Pqls	H2O	*200202763*2_P				ww				
	SantaBarb	31532	315ABH	3/17/02 10:33	T2002_03_17	Units	H2O	*200202763*2_U				ww				
	SantaBarb	31532	315ABH	3/17/02 10:33	T2002_03_17		H2O	*200202763*2				ww				
	SantaBarb	31532	315ABH	3/17/02 10:33	T2002_03_17		H2O	H031702103332			No habitat assessment,	ww				

ProjId	STAGE	H_STAGE	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
CC																
CC																
CC																
CC																
CC																
CC			10	1	1	15	0	M			7.71	2273	27.5	10.31	10.31	
CC																
CC																
CC																
CC																
CC																
CC			10	-	-	20	0	M			7.83	1261	252.3	10.43	10.43	
CC								VH								
CC																
CC																
CC																
CC																
CC											7.62	334.9	814.3	10.97	10.97	
CC																
CC											7.33	2403	18.5	14.12	14.12	
CC			25	10	50	20	1	L								
CC																
CC																
CC																
CC																
CC																
CC			20	50	50	40	1	L			7.29	2696	6.4	14.31	14.31	
CC																
CC																
CC			20	25	25	50	1	L			7.68	2906	8.2	11.11	11.11	
CC																
CC																
CC																
CC																
CC																
CC																
CC			20	50	5	50	1	L			7.73	3060	1.8	12.11	12.11	
DO											7.52	3058	5.3	6.38	6.38	
DO											7.32	2934	6.1	6.08	6.08	
CC																
CC																

ProjId	STAGE	H_STAGE	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
CC																
CC																
CC																
CC																
CC			25	50		50	5	L			7.61	2916	14.5	8.64	8.64	
DO											7.58	2714	10.4	6.48	6.48	
CC																
CC																
CC			45	33	5	80	10	VL			7.67	2735	7	8.76	8.76	
CC																
CC																
CC																
CC																
CC																
CC			40	20	-	70	5	L			7.54	2236	13.9	9	9	
CC																
CC																
CC																
CC																
CC																
CC																
CC			0	75	0	15	1	L								
CC											7.2	1828	24.7	7.76	7.76	
CC																
CC																
CC			25	60		15	0	L								
CC											7.4	1065	28.8	9.02	9.02	
CC																
CC																
CC																
CC																
CC																
CC																
CC			75	85		15	1	L								
CC											7.33	2212	9.5	8.76	8.76	
CC																
CC																
CC																
CC																
CC																
CC																

ProjId	STAGE	H_STAGE	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
CC			60	0	0	40	5	L			7.45	2518	2.4	13.59	13.59	
CC																
CC																
CC																
CC																
CC																
CC																
CC			40	70	50	60	-	L	-		7.63	2143	-0.05	14.33	14.33	
CC																
CC																
CC																
CC																
CC																
CC											7.31	2015	3.3	10.65	10.65	
CC																
CC																
CC																
CC																
CC																
CC																
CC			80	2	0	90	0	L	F		7.3	2161	9.1	7.68	7.68	
CC																
CC																
CC																
CC																
CC																
CC																
CC			70	95	15	75	5	L	F		7.31	1934	2.8	8.47	8.47	
CC																
CC																
CC																
CC																
CC																
CC																
CC			50	65	65	70	5	L	F		7.43	1776	4.1	9.6	9.6	
CC																
CC			65	40	0	90	5	L	F		7.32	2416	9.1	8.34	8.34	
CC																
CC			50	50	2	50	5	L	F,S		7.66	2371	3.9	7.71	7.71	
CC																
CC			75	80	20	70	5	L	S,F		7.65	2375	1.9	7.23	7.23	

ProjId	STAGE	H_STAGE	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
CC																
CC			70	15	70	70	10	L	F,S							
CC											7.58	2204	4.7	7.88	7.88	
CC																
CC																
CC																
CC																
CC																
CC			35	5	75	65	5	L	F							
CC											7.65	2317	4.2	8.53	8.53	
CC																
CC																
CC																
CC																
CC																
CC			75	1	40	30	2	L	F							
CC											7.68	2381	8.5	9.51	9.51	
CC																
CC																
CC																
CC																
CC																
CC			60			60	2	L	F							
CC											7.41	1799	70.3	9.87	9.87	
CC																
CC																
CC																
CC																
CC																
CC			50	0	75	50	5	L	F		7.6	2369	5.9	10.08	10.08	
CC											8.32					
CC											0.05					
CC											EPA-9040					
CC											0.05					
CC											pH Units					
CC			50	-	-	30	0	M	F		7.89	1526	14.7	10.26	10.26	
CC													1.6			
CC													0.1			
CC													EPA-180.1			
CC													0.1			
CC													NT Units			

ProjId	STAGE	H_STAGE	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
CC			50	10	75	50	1				7.6	1721	~27.4		8.37	
CC																
CC																
CC																
CC																
CC																
CC			-	10	-	75	5		g,s		7.67	2165	-0.05		8.87	
CC																
CC																
CC																
CC																
CC																
CC											7.74	2301	12.9		6.32	
CC																
CC																
CC																
CC																
CC																
CC											7.77	2129	13.1		7.13	
CC																
CC																
CC																
CC																
CC																
CC											7.64	2268	4.7		6.83	
CC																
CC																
CC																
CC																
CC																
CC			10	70	10	90	5		b,c,s		7.58	2239	~26.8		6.71	
CC													3			
CC													0.1			
CC													EPA-180.1			
CC													0.1			
CC													NT Units			
CC																
CC			80	40	95	35	15		f,b,k		7.78	2135	~21.7		7.52	
CC													56			
CC													0.2			
CC													EPA-180.1			

ProjId	STAGE	H_STAGE	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
CC													0.2			
CC													NT Units			
CC																
CC	0.3		60	2	80	15	2		k, f		7.96	1000			9.52	
CC																
CC													0.1			
CC													EPA-180.1			
CC													0.1			
CC													NT Units			
CC													3.2			
CC	0.1		60	2	95	20	2		g,b,k		7.54	1218			9.51	
SantaBarb			25	20	80	75	5	L								
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb			-	20	80	75	5	L			8.15	1325	0.8	10.76	10.76	
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb			20	5	25	75	5	M			8.2	833.3	23.8	10.72	10.72	
SantaBarb								VH			7.8	274.8	1001	11.03	11.03	
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb											7.87	1122	-0.05	11.12	11.12	
SantaBarb																
SantaBarb			50	25	75	75	5	L								
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																

ProjId	STAGE	H_STAGE	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
SantaBarb																
SantaBarb			25	33	100	50	1	L			7.89	1188	0.4	10.7	10.7	
SantaBarb																
SantaBarb																
SantaBarb			20	75	50	25	5	VL		VL						
SantaBarb											7.87	1365	2.8	10.17	10.17	
SantaBarb																
SantaBarb																
SantaBarb			25	10	100	100	20	VL			7.57	1744	-0.05	2.21	2.21	
DO											7.56	1780	1.7	2.02	2.02	
DO											7.43	1795	-0.05	2.46	2.46	
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb				5	90	100	25	VL			7.6	1722	5.2	3.33	3.33	
DO											7.52	1685	0.2	2.14	2.14	
SantaBarb																
SantaBarb																
SantaBarb			-	80	-	90	85	VL			7.67	1672	0.1	7.16	7.16	
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb			35	0	0	80	15	L								
SantaBarb											7.07	876.2	18.3	1.48	1.48	
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb			60	80		90	5	L								
SantaBarb											7.07	1043	3.7	2.87	2.87	
SantaBarb																
SantaBarb																
SantaBarb																

ProjId	STAGE	H_STAGE	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
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb			70	30	70	65	2	L			7.26	1592	1.6	6.56	6.56	
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb			70	80	60	50	-	L	-		7.57	1011	0.2	8.87	8.87	
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb																
SantaBarb											7.44	955.6	3	9.8	9.8	

ProjId	DO_SAT	DO_SAT_Meas	DO_SAT_Calc	H2O_TEMP	SALINITY	CHLORA	ANIONS	BICARB	BOD	BORO_DIS	BORON	BROMIDE	CA	CARBON14	CATIONS	CHLORIDE
CC																
CC									1	0.01			0.02			0.09
CC									SM17-5210B	EPA-6010			EPA-6010			EPA-300.0
CC									1	0.1			0.05			0.5
CC									mg O/L	mg/L			mg/L			mg/L
CC	93.3	93.3	92.53032319	10.56	1.22	-1			-0.5	0.76			220			247
CC																
CC						0.7			1	0.01			0.02			0.09
CC						SM-10200H			SM17-5210B	EPA-6010			EPA-6010			EPA-300.0
CC						6			1	0.1			0.05			0.5
CC						mg/m3			mg O/L	mg/L			mg/L			mg/L
CC	97.3	97.3	97.02271474	12.1	0.67	-0.35			1	0.24			120			72
CC									3.3	0.06			51			8.4
CC									1	0.01			0.02			0.09
CC									SM17-5210B	EPA-6010			EPA-6010			EPA-300.0
CC									1	0.1			0.05			0.5
CC									mg O/L	mg/L			mg/L			mg/L
CC	102.3	102.3	102.2100358	12.17	0.16											
CC						-0.5										
CC	144.9	144.9	143.8157848	16.2	1.29	-0.5										
CC									-0.5	0.81			200			212
CC						-0.5										
CC						0.18				0.01			0.02			
CC						EPA-300.0				EPA-6010			EPA-6010			
CC						1				0.1			0.05			
CC						mg/L				mg/L			mg/L			
CC	161.4	161.4	159.8911588	20.78	1.45					1.1			220			269
CC																
CC										1.3			240			324
CC	120.434246		120.434246	19.23	1.57	0.4										
CC																
CC										0.01			0.02			0.18
CC										EPA-6010			EPA-6010			EPA-300.0
CC										0.1			0.05			1
CC										mg/L			mg/L			mg/L
CC										1.3			240			376
CC	135.8803894		135.8803894	21	1.65	0.5										
DO	65.90680027		65.90680027	16.87	1.65											
DO	63.99140159		63.99140159	17.77	1.58											
CC																
CC										0.01			0.02			0.18

ProjId	DO_SAT	DO_SAT_Meas	DO_SAT_Calc	H2O_TEMP	SALINITY	CHLORA	ANIONS	BICARB	BOD	BORO_DIS	BORON	BROMIDE	CA	CARBON14	CATIONS	CHLORIDE
CC										EPA-6010			EPA-6010			EPA-300.0
CC										0.1			0.05			1
CC										mg/L			mg/L			mg/L
CC										1.4			240			348
CC	94.05002467		94.05002467	19.44	1.57	1										
DO	69.96483147		69.96483147	19.03	1.46											
CC																
CC										1.3			220			331
CC	96.80743108		96.80743108	20.21	1.47	0.7										
CC										1			180			246
CC										0.01			0.02			0.18
CC										EPA-6010			EPA-6010			EPA-300.0
CC										0.1			0.05			1
CC										mg/L			mg/L			mg/L
CC	95.11326344		95.11326344	17.97	1.2	0.6										
CC																
CC										0.01			0.02			0.09
CC										EPA-6010			EPA-6010			EPA-300.0
CC										0.1			0.05			0.5
CC										mg/L			mg/L			mg/L
CC										0.82			150			202
CC																
CC	81.62289851		81.62289851	17.74	0.97	2.3										
CC																
CC										0.41			88			104
CC																
CC	86.55572132		86.55572132	13.47	0.56	1.5										
CC																
CC										0.01			0.02			0.18
CC										EPA-6010			EPA-6010			EPA-300.0
CC										0.1			0.05			1
CC										mg/L			mg/L			mg/L
CC										0.87			180			258
CC																
CC	84.19264464		84.19264464	13.54	1.19	0.4										
CC																
CC										0.01			0.02			0.09
CC										EPA-6010			EPA-6010			EPA-300.0
CC										0.1			0.05			0.5
CC										mg/L			mg/L			mg/L
CC										0.9			220			283

ProjId	DO_SAT	DO_SAT_Meas	DO_SAT_Calc	H2O_TEMP	SALINITY	CHLORA	ANIONS	BICARB	BOD	BORO_DIS	BORON	BROMIDE	CA	CARBON14	CATIONS	CHLORIDE
CC	120.5	120.5	119.2754157	9.62	1.36	-0.05										
CC																
CC										0.01			0.02			0.18
CC										EPA-6010			EPA-6010			EPA-300.0
CC										0.1			0.05			1
CC										mg/L			mg/L			mg/L
CC										0.75			180			245
CC	132	132	130.888523	11.31	1.14	3.3										
CC										0.005			0.009			0.18
CC										EPA-6010			EPA-6010			EPA-300.0
CC										0.1			0.05			1
CC										mg/L			mg/L			mg/L
CC										0.81			190			242
CC	95.8	95.8	95.10905391	10.35	1.08	1.4										
CC																
CC										0.005			0.009			0.18
CC										EPA-6010			EPA-6010			EPA-300.0
CC										0.1			0.05			1
CC										mg/L			mg/L			mg/L
CC										0.98			190			239
CC	76.4	76.4	75.81555282	14.75	1.16	0.4										
CC																
CC										0.005			0.009			0.066
CC										EPA-6010			EPA-6010			EPA-300.0
CC										0.1			0.05			1
CC										mg/L			mg/L			mg/L
CC										0.9			170			190
CC	83.5	83.5	82.90147905	14.36	1.03	0.3										
CC																
CC										0.005			0.009			0.066
CC										EPA-6010			EPA-6010			EPA-300.0
CC										0.1			0.05			1
CC										mg/L			mg/L			mg/L
CC										0.79			160			160
CC	97	97	96.44956978	15.56	0.95	1.7										
CC										0.968			203			294
CC	89.9	89.9	89.30944405	18.62	1.3	1.2										
CC										0.947			207.1			299
CC	82.6	82.6	82.01354123	18.29	1.27	-0.05										
CC																
CC	74.2	74.2	73.60810233	16.18	1.27	0.2										

ProjId	DO_SAT	DO_SAT_Meas	DO_SAT_Calc	H2O_TEMP	SALINITY	CHLORA	ANIONS	BICARB	BOD	BORO_DIS	BORON	BROMIDE	CA	CARBON14	CATIONS	CHLORIDE
CC																
CC																
CC	79.8	79.8	79.30532901	15.64	1.18	1.3										
CC													190			
CC													0.009			
CC													EPA-6010			
CC													0.05			
CC													mg/L			
CC																
CC	84.9	84.9	84.29868005	14.8	1.24	1.6										
CC													230			
CC													0.009			
CC													EPA-6010			
CC													0.05			
CC													mg/L			
CC																
CC	86.8	86.8	86.01510304	10.89	1.28	0.1										
CC													170			
CC													0.009			
CC													EPA-6010			
CC													0.05			
CC													mg/L			
CC																
CC	89.6	89.6	89.020173	10.77	0.96	1.6										
CC													220			
CC													0.009			
CC													EPA-6010			
CC													0.05			
CC													mg/L			
CC	94.5	94.5	93.70231672	12.07	1.27	-0.05										
CC													150			
CC													0.011			
CC													EPA-6010			
CC													0.05			
CC													mg/L			
CC	98	98	97.55091627	13.06	0.81	-0.05										
CC										0.55			170			207
CC										0.0094			0.013			0.037
CC										EPA-6010			EPA-6010			EPA-300.0
CC										0.1			0.05			0.5
CC										mg/L			mg/L			mg/L

ProjId	DO_SAT	DO_SAT_Meas	DO_SAT_Calc	H2O_TEMP	SALINITY	CHLORA	ANIONS	BICARB	BOD	BORO_DIS	BORON	BROMIDE	CA	CARBON14	CATIONS	CHLORIDE
CC		78.2		12.42	0.92	0.4										
CC										0.84			200			297
CC										0.0043			0.0081			0.13
CC										EPA-6010			EPA-6010			EPA-300.0
CC										0.1			0.05			1
CC										mg/L			mg/L			mg/L
CC		89.4		15.64	1.16	0.8										
CC										0.99			200			315
CC										0.0043			0.0081			0.052
CC										EPA-6010			EPA-6010			EPA-300.0
CC										0.1			0.05			1
CC										mg/L			mg/L			mg/L
CC		64		15.68	1.23	0.7										
CC										0.89			190			279
CC										0.0058			0.0022			0.13
CC										EPA-6010			EPA-6010			EPA-300.0
CC										0.1			0.05			1
CC										mg/L			mg/L			mg/L
CC		72.5		15.91	1.14	0.4										
CC										0.96			190			312
CC										0.0043			0.0081			0.13
CC										EPA-6010			EPA-6010			EPA-300.0
CC										0.1			0.05			1
CC										mg/L			mg/L			mg/L
CC		72.3		17.67	1.22	0.6										
CC										0.9			200			295
CC										0.0043			0.0081			0.13
CC										EPA-6010			EPA-6010			EPA-300.0
CC										0.1			0.05			1
CC										mg/L			mg/L			mg/L
CC		73.1		19.13	1.2	2.6										
CC										0.75			210			288
CC										0.0058			0.0022			0.052
CC										EPA-6010			EPA-6010			EPA-300.0
CC										0.1			0.05			1
CC										mg/L			mg/L			mg/L
CC																
CC		77.9		16.81	1.14	0.1										
CC										0.25			100			122
CC										0.0043			0.0081			0.061
CC										EPA-6010			EPA-6010			EPA-300.0

ProjId	DO_SAT	DO_SAT_Meas	DO_SAT_Calc	H2O_TEMP	SALINITY	CHLORA	ANIONS	BICARB	BOD	BORO_DIS	BORON	BROMIDE	CA	CARBON14	CATIONS	CHLORIDE
CC										0.1			0.05			0.5
CC										mg/L			mg/L			mg/L
CC																
CC		89.5		12.47	0.52	4.7										
CC																
CC										4.3			0.0081			0.061
CC										EPA-6010			EPA-6010			EPA-300.0
CC										100			0.05			0.5
CC										ug/L			mg/L			mg/L
CC										370			120			140
CC		87.3		11.64	0.64	2.8										
SantaBarb																
SantaBarb									1	0.01			0.02			0.09
SantaBarb									SM17-5210B	EPA-6010			EPA-6010			EPA-300.0
SantaBarb									1	0.1			0.05			0.5
SantaBarb									mg O/L	mg/L			mg/L			mg/L
SantaBarb	99.7	99.7	99.1510332	11.69	0.7	-1			-0.5	0.22			150			66
SantaBarb						-1			-0.5	0.22			150			66
SantaBarb									1	0.01			0.02			0.09
SantaBarb									SM17-5210B	EPA-6010			EPA-6010			EPA-300.0
SantaBarb									1	0.1			0.05			0.5
SantaBarb									mg O/L	mg/L			mg/L			mg/L
SantaBarb						-0.35			-0.5	0.09			92			213
SantaBarb						0.7			1	0.01			0.02			0.09
SantaBarb						SM-10200H			SM17-5210B	EPA-6010			EPA-6010			EPA-300.0
SantaBarb						4			1	0.1			0.05			0.5
SantaBarb						mg/m3			mg O/L	mg/L			mg/L			mg/L
SantaBarb	97.8	97.8	108.7221095	16	0.43				-0.5							
SantaBarb	102.6	102.6	102.5569505	12.08	0.13				3.9	0.04			34			6.3
SantaBarb									1	0.01			0.02			0.09
SantaBarb									SM17-5210B	EPA-6010			EPA-6010			EPA-300.0
SantaBarb									1	0.1			0.05			0.5
SantaBarb									mg O/L	mg/L			mg/L			mg/L
SantaBarb						-0.5										
SantaBarb	111	111	110.6872492	15.13	0.59	-0.5										
SantaBarb									-0.5	0.16			120			55
SantaBarb																
SantaBarb						-0.5										
SantaBarb										0.01			0.02			0.09
SantaBarb										EPA-6010			EPA-6010			EPA-300.0
SantaBarb										0.1			0.05			0.5

ProjId	DO_SAT	DO_SAT_Meas	DO_SAT_Calc	H2O_TEMP	SALINITY	CHLORA	ANIONS	BICARB	BOD	BORO_DIS	BORON	BROMIDE	CA	CARBON14	CATIONS	CHLORIDE
SantaBarb										mg/L			mg/L			mg/L
SantaBarb	120.8	120.8	120.3113893	21.11	0.63					0.17			120			54
SantaBarb																
SantaBarb										0.24			140			71
SantaBarb																
SantaBarb	109.5426569		109.5426569	18.91	0.72	0.1										
SantaBarb																
SantaBarb										0.31			180			97
SantaBarb	25.08551118		25.08551118	21.61	0.93	1.1										
DO	21.18167388		21.18167388	17.59	0.95											
DO	26.39617872		26.39617872	18.72	0.96											
SantaBarb																
SantaBarb										0.01			0.02			0.09
SantaBarb										EPA-6010			EPA-6010			EPA-300.0
SantaBarb										0.1			0.05			0.5
SantaBarb										mg/L			mg/L			mg/L
SantaBarb										0.41			200			85
SantaBarb	37.50681881		37.50681881	21.2	0.92	0.3										
DO	23.43763704		23.43763704	19.75	0.9											
SantaBarb																
SantaBarb										0.42			180			86
SantaBarb	81.70007899		81.70007899	21.89	0.89	0.2										
SantaBarb																
SantaBarb										0.01			0.02			0.09
SantaBarb										EPA-6010			EPA-6010			EPA-300.0
SantaBarb										0.1			0.05			0.5
SantaBarb										mg/L			mg/L			mg/L
SantaBarb										0.24			88			46
SantaBarb																
SantaBarb	15.67283744		15.67283744	18.07	0.46	4.5										
SantaBarb																
SantaBarb										0.01			0.02			0.09
SantaBarb										EPA-6010			EPA-6010			EPA-300.0
SantaBarb										0.1			0.05			0.5
SantaBarb										mg/L			mg/L			mg/L
SantaBarb										0.26			110			44
SantaBarb																
SantaBarb	27.73806409		27.73806409	13.79	0.55	0.8										
SantaBarb																
SantaBarb										0.01			0.02			0.09
SantaBarb										EPA-6010			EPA-6010			EPA-300.0

ProjId	DO_SAT	DO_SAT_Meas	DO_SAT_Calc	H2O_TEMP	SALINITY	CHLORA	ANIONS	BICARB	BOD	BORO_DIS	BORON	BROMIDE	CA	CARBON14	CATIONS	CHLORIDE
SantaBarb										0.1			0.05			0.5
SantaBarb										mg/L			mg/L			mg/L
SantaBarb										0.31			170			73
SantaBarb	57.2	57.2	56.86063695	9.1	0.85	-0.05										
SantaBarb																
SantaBarb										0.01			0.02			0.18
SantaBarb										EPA-6010			EPA-6010			EPA-300.0
SantaBarb										0.1			0.05			1
SantaBarb										mg/L			mg/L			mg/L
SantaBarb										0.34			88			24
SantaBarb	81.4	81.4	81.03639078	11.32	0.53	-0.05										
SantaBarb										0.005			0.009			0.09
SantaBarb										EPA-6010			EPA-6010			EPA-300.0
SantaBarb										0.1			0.05			0.5
SantaBarb										mg/L			mg/L			mg/L
SantaBarb										0.37			100			30
SantaBarb	87.4	87.4	87.04258938	10.12	0.5	-0.05										

ProjId	COD	COLOR	COND_PPT	COND_MS	COND_PPM	DYE	ECOLI	ENTERO	FLOW	FLOW_M	FLUORIDE	FSTREP	FTDS	FTSS	H2OTEMPF	HARD	MG	N_ORG
CC																		
CC													30	2			0.02	
CC													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
CC													50	2		0.5	0.05	
CC													mg/L	mg/L		mg/L	mg/L	
CC													1310	21.7		970	100	
CC																		
CC													30	5			0.02	
CC													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
CC													50	5		0.5	0.05	
CC													mg/L	mg/L		mg/L	mg/L	
CC													685	79		549	58	
CC													210	~2580		188	15	
CC													10	~50			0.02	
CC													EPA-160.4	~EPA-160.4		SM-2340B	EPA-6010	
CC													20	~50		0.5	0.05	
CC													mg/L	~mg/L		mg/L	mg/L	
CC																		
CC																		
CC																		
CC													1440	9.7		974	120	
CC																		
CC													50	1			0.02	
CC													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
CC													100	1		0.5	0.05	
CC													mg/L	mg/L		mg/L	mg/L	
CC													1490	4		1070	130	
CC																		
CC													1490	12.9		1210	140	
CC																		
CC																		
CC													50	1		0.1	0.02	
CC													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
CC													100	1		0.5	0.05	
CC													mg/L	mg/L		mg/L	mg/L	
CC													1710	1.8		1190	140	
CC																		
DO																		
DO																		
CC																		
CC													50	2		0.1	0.02	

ProjId	COD	COLOR	COND_PPT	COND_MS	COND_PPM	DYE	ECOLI	ENTERO	FLOW	FLOW_M	FLUORIDE	FSTREP	FTDS	FTSS	H2OTEMPF	HARD	MG	N_ORG
CC													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
CC													100	2		0.5	0.05	
CC													mg/L	mg/L		mg/L	mg/L	
CC													1700	8		1200	140	
CC																		
DO																		
CC																		
CC													1620	3.4		1080	130	
CC																		
CC													1340	9		852	96	
CC													50	1		0.1	0.02	
CC													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
CC													100	1		0.5	0.05	
CC													mg/L	mg/L		mg/L	mg/L	
CC																		
CC																		
CC													30	3		0.1	0.02	
CC													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
CC													50	3		0.5	0.05	
CC													mg/L	mg/L		mg/L	mg/L	
CC													1000	3.5		697	77	
CC																		
CC																		
CC																		
CC													333	13		390	42	
CC																		
CC																		
CC																		
CC													50	1		0.1	0.02	
CC													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
CC													100	1		0.5	0.05	
CC													mg/L	mg/L		mg/L	mg/L	
CC													1230	5		801	87	
CC																		
CC																		
CC																		
CC													50	3		0.1	0.02	
CC													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
CC													100	3		0.5	0.05	
CC													mg/L	mg/L		mg/L	mg/L	
CC													1340	~-1.5		980	110	

ProjId	COD	COLOR	COND_PPT	COND_MS	COND_PPM	DYE	ECOLI	ENTERO	FLOW	FLOW_M	FLUORIDE	FSTREP	FTDS	FTSS	H2OTEMPF	HARD	MG	N_ORG
CC																		
CC																		
CC													50	3		0.1	0.02	
CC													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
CC													100	3		0.5	0.05	
CC													mg/L	mg/L		mg/L	mg/L	
CC													1210	-1.5		784	84	
CC																		
CC													50	1		0.1	0.04	
CC													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
CC													100	1		0.5	0.05	
CC													mg/L	mg/L		mg/L	mg/L	
CC													1180	2.4		866	96	
CC																		
CC																		
CC													50	1		0.1	0.04	
CC													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
CC													100	1		0.5	0.05	
CC													mg/L	mg/L		mg/L	mg/L	
CC													1130	2.4		882	99	
CC																		
CC																		
CC													30	1			0.04	
CC													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
CC													50	1		0.5	0.05	
CC													mg/L	mg/L		mg/L	mg/L	
CC													1110	-0.5		784	90	
CC																		
CC																		
CC													30	1			0.04	
CC													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
CC													50	1		0.5	0.05	
CC													mg/L	mg/L		mg/L	mg/L	
CC													1000	-0.5		733	82	
CC																		
CC													1440	-0.5		913	98.84	
CC																		
CC													1340	27		935	101.7	
CC																		
CC													~1362					
CC																		

ProjId	COD	COLOR	COND_PPT	COND_MS	COND_PPM	DYE	ECOLI	ENTERO	FLOW	FLOW_M	FLUORIDE	FSTREP	FTDS	FTSS	H2OTEMPF	HARD	MG	N_ORG
CC													1231			882		
CC																		
CC																		
CC													1230	-0.5		861	94	
CC													50	1			0.04	
CC													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
CC													100	1		0.5	0.05	
CC													mg/L	mg/L		mg/L	mg/L	
CC																		
CC																		
CC													1230	~5.2		990	100	
CC													50	~1		0.1	0.04	
CC													EPA-160.4	~EPA-160.4		SM-2340B	EPA-6010	
CC													100	~1		0.5	0.05	
CC													mg/L	~mg/L		mg/L	mg/L	
CC																		
CC																		
CC													880	31.5		750	79	
CC													30	3		0.1	0.04	
CC													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
CC													50	3		0.5	0.05	
CC													mg/L	mg/L		mg/L	mg/L	
CC																		
CC																		
CC													1290	-1		970	100	
CC													50	2		0.1	0.04	
CC													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
CC													100	2		0.5	0.05	
CC													mg/L	mg/L		mg/L	mg/L	
CC																		
CC													860	8		650	65	
CC													30	1			0.0084	
CC													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
CC													50	1		0.5	0.05	
CC													mg/L	mg/L		mg/L	mg/L	
CC																		
CC													970	-1		~709	69	
CC													30	2			0.011	
CC													EPA-160.4	EPA-160.4		~SM-2340B	EPA-6010	
CC													50	2		~0.5	0.05	
CC													mg/L	mg/L		~mg/L	mg/L	

ProjId	COD	COLOR	COND_PPT	COND_MS	COND_PPM	DYE	ECOLI	ENTERO	FLOW	FLOW_M	FLUORIDE	FSTREP	FTDS	FTSS	H2OTEMPF	HARD	MG	N_ORG
CC																		
CC													~1200	~-0.5		880	91	
CC													~50	~1			0.011	
CC													~EPA-160.4	~EPA-160.4		SM-2340B	EPA-6010	
CC													~100	~1		0.5	0.05	
CC													~mg/L	~mg/L		mg/L	mg/L	
CC																		
CC													1180	~-0.5		895	93	
CC													50	~1			0.011	
CC													EPA-160.4	~EPA-160.4		SM-2340B	EPA-6010	
CC													100	~1		0.5	0.05	
CC													mg/L	~mg/L		mg/L	mg/L	
CC																		
CC													1260	~2.8		834	85	
CC													50	~1			0.007	
CC													EPA-160.4	~EPA-160.4		SM-2340B	EPA-6010	
CC													100	~1		0.5	0.05	
CC													mg/L	~mg/L		mg/L	mg/L	
CC																		
CC													1260	2.2		858	90	
CC													30	1			0.011	
CC													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
CC													50	1		0.5	0.05	
CC													mg/L	mg/L		mg/L	mg/L	
CC																		
CC													640	~3.4		866	89	
CC													50	~1			0.011	
CC													EPA-160.4	~EPA-160.4		SM-2340B	EPA-6010	
CC													100	~1		0.5	0.05	
CC													mg/L	~mg/L		mg/L	mg/L	
CC																		
CC													1080	6.8		903	89	
CC													50	1			0.007	
CC													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
CC													100	1		0.5	0.05	
CC													mg/L	mg/L		mg/L	mg/L	
CC																		
CC																		
CC													533	76		368	36	
CC													20	5			0.011	
CC													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	

ProjId	COD	COLOR	COND_PPT	COND_MS	COND_PPM	DYE	ECOLI	ENTERO	FLOW	FLOW_M	FLUORIDE	FSTREP	FTDS	FTSS	H2OTEMPF	HARD	MG	N_ORG
CC													40	5		0.5	0.05	
CC													mg/L	mg/L		mg/L	mg/L	
CC																		
CC																		
CC																		
CC													20	2			0.011	
CC													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
CC													40	2		0.5	0.05	
CC													mg/L	mg/L		mg/L	mg/L	
CC													690	2.7		495	45	
CC																		
SantaBarb																		
SantaBarb													20	2			0.02	
SantaBarb													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
SantaBarb													40	2		0.5	0.05	
SantaBarb													mg/L	mg/L		mg/L	mg/L	
SantaBarb													737	3.7		627	64	
SantaBarb													797	2		630	64	
SantaBarb													20	2			0.02	
SantaBarb													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
SantaBarb													40	2		0.5	0.05	
SantaBarb													mg/L	mg/L		mg/L	mg/L	
SantaBarb													440	10		379	36	
SantaBarb													20	3			0.02	
SantaBarb													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
SantaBarb													40	3		0.5	0.05	
SantaBarb													mg/L	mg/L		mg/L	mg/L	
SantaBarb																		
SantaBarb													164	~1540		133	12	
SantaBarb													10	~20			0.02	
SantaBarb													EPA-160.4	~EPA-160.4		SM-2340B	EPA-6010	
SantaBarb													20	~20		0.5	0.05	
SantaBarb													mg/L	~mg/L		mg/L	mg/L	
SantaBarb																		
SantaBarb																		
SantaBarb													675	2		519	55	
SantaBarb																		
SantaBarb																		
SantaBarb													20	1			0.02	
SantaBarb													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
SantaBarb													40	1		0.5	0.05	

ProjId	COD	COLOR	COND_PPT	COND_MS	COND_PPM	DYE	ECOLI	ENTERO	FLOW	FLOW_M	FLUORIDE	FSTREP	FTDS	FTSS	H2OTEMPF	HARD	MG	N_ORG
SantaBarb													mg/L	mg/L		mg/L	mg/L	
SantaBarb													630	2.3		514	54	
SantaBarb																		
SantaBarb													745	-0.5		597	63	
SantaBarb																		
SantaBarb																		
SantaBarb																		
SantaBarb													880	-0.5		734	70	
SantaBarb																		
DO																		
DO																		
SantaBarb																		
SantaBarb													30	2		0.1	0.02	
SantaBarb													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
SantaBarb													50	2		0.5	0.05	
SantaBarb													mg/L	mg/L		mg/L	mg/L	
SantaBarb													1010	-1		811	75	
SantaBarb																		
DO																		
SantaBarb																		
SantaBarb													960	-0.5		757	72	
SantaBarb																		
SantaBarb																		
SantaBarb													20	3		0.1	0.02	
SantaBarb													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
SantaBarb													40	3		0.5	0.05	
SantaBarb													mg/L	mg/L		mg/L	mg/L	
SantaBarb													453	-1.5		345	30	
SantaBarb																		
SantaBarb																		
SantaBarb																		
SantaBarb													20	3		0.1	0.02	
SantaBarb													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
SantaBarb													40	3		0.5	0.05	
SantaBarb													mg/L	mg/L		mg/L	mg/L	
SantaBarb													527	-1.5		428	39	
SantaBarb																		
SantaBarb																		
SantaBarb																		
SantaBarb													30	1		0.1	0.02	
SantaBarb													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	

ProjId	COD	COLOR	COND_PPT	COND_MS	COND_PPM	DYE	ECOLI	ENTERO	FLOW	FLOW_M	FLUORIDE	FSTREP	FTDS	FTSS	H2OTEMPF	HARD	MG	N_ORG
SantaBarb													50	1		0.5	0.05	
SantaBarb													mg/L	mg/L		mg/L	mg/L	
SantaBarb													860	~-0.5		680	61	
SantaBarb																		
SantaBarb																		
SantaBarb													20	1		0.1	0.02	
SantaBarb													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
SantaBarb													40	1		0.5	0.05	
SantaBarb													mg/L	mg/L		mg/L	mg/L	
SantaBarb													600	-0.5		405	45	
SantaBarb																		
SantaBarb													20	1		0.1	0.04	
SantaBarb													EPA-160.4	EPA-160.4		SM-2340B	EPA-6010	
SantaBarb													40	1		0.5	0.05	
SantaBarb													mg/L	mg/L		mg/L	mg/L	
SantaBarb													567	-0.5		467	51	
SantaBarb																		

ProjId	NA	NH3_N	NH3_NH3	NH3U_N	NH4_NH4	NH4_N	NO2_N	NO2_NO2	NO3_N	NO3_NO3	NO3NO2_N	OP_P	OP_PO4	NO3_PO4_RATIO	OXYAGE
CC															
CC	0.07	0.0164	0.02				0.0099	0.033	0.01573033	0.07		0.0099	0.03	1.588922222	
CC	EPA-6010		EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1		
CC	0.5	0.0246	0.03				0.0195	0.065	0.0898876	0.4		0.0165	0.05	5.447733333	
CC	mg/L		mg/L					mg/L		mg/L			mg/L		
CC	180	0.2378	0.29	0.002350678			0.0288	0.096	1.123595	5		0.0924	0.28	12.16011905	
CC															
CC	0.07	0.0164	0.02				0.0099	0.033	0.01573033	0.07		0.03	0.090909091	0.524344333	
CC	EPA-6010		EPA-350.1					EPA-353.2		EPA-300.0		EPA-365.1			
CC	0.5	0.0246	0.03				0.0195	0.065	0.0898876	0.4		0.05	0.151515152	1.797752	
CC	mg/L		mg/L					mg/L		mg/L		mg/L			
CC	85	0.1968	0.24	0.002876445			-0.0045	-0.015	1.3707859	6.1		0.46	1.393939394	2.979969348	
CC	17	0.082	0.1	0.000747156			0.0132	0.044	1.0786512	4.8		0.16566	0.502	6.51123506	
CC	0.07	0.0164	0.02				0.0099	0.033	0.01573033	0.07		0.0099	0.03	1.588922222	
CC	EPA-6010		EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1		
CC	0.5	0.0246	0.03				0.0195	0.065	0.0898876	0.4		0.0165	0.05	5.447733333	
CC	mg/L		mg/L					mg/L		mg/L			mg/L		
CC															
CC															
CC															
CC	180	0.082	0.1	0.000522186			0.051	0.17	1.7528082	7.8		0.01353	0.041	129.5497561	
CC															
CC	0.07	0.0164	0.02				0.0099	0.033	0.03146066	0.14		0.03	0.090909091	1.048688667	
CC	EPA-6010		EPA-350.1					EPA-353.2		EPA-300.0		EPA-365.1			
CC	0.5	0.0246	0.03				0.0195	0.065	0.19775272	0.88		0.05	0.151515152	3.9550544	
CC	mg/L		mg/L					mg/L		mg/L		mg/L			
CC	210	0.164	0.2	0.001333656			0.078	0.26	1.4606735	6.5		0.1	0.303030303	14.606735	
CC															
CC	240	0.082	0.1	0.001447456			0.09	0.3	1.6853925	7.5		0.02706	0.082	62.28353659	
CC															
CC															
CC	0.07	0.0164	0.02				0.0099	0.033	0.03146066	0.14		0.0099	0.03	3.177844444	
CC	EPA-6010		EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1		
CC	0.5	0.0246	0.03				0.0195	0.065	0.19775272	0.88		0.0165	0.05	11.98501333	
CC	mg/L		mg/L					mg/L		mg/L			mg/L		
CC	250	0.082	0.1	0.001839296			0.06	0.2	1.5505611	6.9		0.02112	0.064	73.41671875	
CC															
DO															
DO															
CC															
CC	0.07	0.0164	0.02				0.0099	0.033	0.03146066	0.14		0.0099	0.03	3.177844444	

ProjId	NA	NH3_N	NH3_NH3	NH3U_N	NH4_NH4	NH4_N	NO2_N	NO2_NO2	NO3_N	NO3_NO3	NO3NO2_N	OP_P	OP_PO4	NO3_PO4_RATIO	OXYAGE
CC	EPA-6010		EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1		
CC	0.5	0.0246	0.03				0.0195	0.065	0.19775272	0.88		0.0165	0.05	11.98501333	
CC	mg/L		mg/L					mg/L		mg/L			mg/L		
CC	260	0.082	0.1	0.001254138			0.06	0.2	1.4382016	6.4		0.066	0.2	21.79093333	
CC															
DO															
CC															
CC	230	0.04	0.048780488	0.000740711			0.048	0.16	1.50786449	6.71		0.0627	0.19	24.04887544	
CC															
CC	180	0.05	0.06097561	0.000586108			0.036	0.12	1.123595	5		0.0396	0.12	28.37361111	
CC	0.07	0.01	0.012195122				0.0099	0.033	0.03146066	0.14		0.0099	0.03	3.177844444	
CC	EPA-6010	EPA-350.1						EPA-353.2		EPA-300.0			EPA-365.1		
CC	0.5	0.02	0.024390244				0.0195	0.065	0.19775272	0.88		0.0165	0.05	11.98501333	
CC	mg/L	mg/L						mg/L		mg/L			mg/L		
CC															
CC															
CC	0.07	0.01	0.012195122				0.01	0.033333333	0.02	0.08900004		0.01	0.03030303	2	
CC	EPA-6010	EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
CC	0.5	0.02	0.024390244				0.02	0.066666667	0.1	0.4450002		0.02	0.060606061	5	
CC	mg/L	mg/L					mg/L		mg/L			mg/L			
CC	130	0.37	0.451219512	0.001961598			0.1	0.333333333	1.36	6.052002723		0.11	0.333333333	12.36363636	
CC															
CC															
CC															
CC	76	0.1	0.12195122	0.000608559			0.048	0.16	0.67	2.981501342		0.16	0.484848485	4.1875	
CC															
CC															
CC															
CC	0.07	0.01	0.012195122				0.01	0.033333333	0.04	0.17800008		0.01	0.03030303	4	
CC	EPA-6010	EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
CC	0.5	0.02	0.024390244				0.02	0.066666667	0.2	0.890000401		0.02	0.060606061	10	
CC	mg/L	mg/L					mg/L		mg/L			mg/L			
CC	160	0.23	0.280487805	0.001198773			0.077	0.256666667	1	4.450002003		0.089	0.26969697	11.23595506	
CC															
CC															
CC															
CC	0.07	0.01	0.012195122						0.02	0.08900004		0.01	0.03030303	2	
CC	EPA-6010	EPA-350.1							EPA-300.0			EPA-365.1			
CC	0.5	0.02	0.024390244						0.1	0.4450002		0.02	0.060606061	5	
CC	mg/L	mg/L							mg/L			mg/L			
CC	200	0.23	0.280487805	0.00116638			0.042	0.14	2.24	9.968004486		0.041	0.124242424	54.63414634	

ProjId	NA	NH3_N	NH3_NH3	NH3U_N	NH4_NH4	NH4_N	NO2_N	NO2_NO2	NO3_N	NO3_NO3	NO3NO2_N	OP_P	OP_PO4	NO3_PO4_RATIO	OXYAGE
CC															
CC															
CC	0.07	0.01	0.012195122				0.01	0.033333333	0.04	0.17800008		0.01	0.03030303	4	
CC	EPA-6010	EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
CC	0.5	0.02	0.024390244				0.02	0.066666667	0.2	0.890000401		0.02	0.060606061	10	
CC	mg/L	mg/L					mg/L		mg/L			mg/L			
CC	160	0.1	0.12195122	0.000872669			0.06	0.2	1.4	6.230002804		0.02	0.060606061	70	
CC															
CC	0.2	0.01	0.012195122				0.01	0.033333333	0.04	0.17800008		0.01	0.03030303	4	
CC	EPA-6010	EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
CC	0.5	0.02	0.024390244				0.02	0.066666667	0.2	0.890000401		0.02	0.060606061	10	
CC	mg/L	mg/L					mg/L		mg/L			mg/L			
CC	170	0.1	0.12195122	0.000389472			0.058	0.193333333	1.2	5.340002403		0.026	0.078787879	46.15384615	
CC															
CC															
CC	0.2	0.01	0.012195122				0.01	0.033333333	0.04	0.17800008		0.01	0.03030303	4	
CC	EPA-6010	EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
CC	0.5	0.02	0.024390244				0.02	0.066666667	0.2	0.890000401		0.02	0.060606061	10	
CC	mg/L	mg/L					mg/L		mg/L			mg/L			
CC	180	0.1	0.12195122	0.000533289			0.064	0.213333333	0.84	3.738001682		0.02	0.060606061	42	
CC															
CC															
CC	0.2	0.01	0.012195122				0.01	0.033333333	0.022	0.097900044		0.01	0.03030303	2.2	
CC	EPA-6010	EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
CC	0.5	0.02	0.024390244				0.02	0.066666667	0.2	0.890000401		0.02	0.060606061	10	
CC	mg/L	mg/L					mg/L		mg/L			mg/L			
CC	150	0.08	0.097560976	0.000423848			0.044	0.146666667	0.43	1.913500861		0.035	0.106060606	12.28571429	
CC															
CC															
CC	0.2	0.01	0.012195122				0.01	0.033333333	0.022	0.097900044		0.01	0.03030303	2.2	
CC	EPA-6010	EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
CC	0.5	0.02	0.024390244				0.02	0.066666667	0.2	0.890000401		0.02	0.060606061	10	
CC	mg/L	mg/L					mg/L		mg/L			mg/L			
CC	130	0.04	0.048780488	0.00030522			0.036	0.12	0.53	2.358501061		0.057	0.172727273	9.298245614	
CC															
CC	177.7	0.03	0.036585366	0.0002233			-0.05	-0.166666667	0.8	3.560001602		0.05	0.151515152	16	
CC															
CC	189.8	0.02	0.024390244	0.000315176			-0.05	-0.166666667	0.7	3.115001402		0.03	0.090909091	23.33333333	
CC															
CC		0.02	0.024390244	0.000263874			-0.05	-0.166666667	0.7	3.115001402		0.02	0.060606061	35	
CC															

ProjId	NA	NH3_N	NH3_NH3	NH3U_N	NH4_NH4	NH4_N	NO2_N	NO2_NO2	NO3_N	NO3_NO3	NO3NO2_N	OP_P	OP_PO4	NO3_PO4_RATIO	OXYAGE
CC		0.03	0.036585366	0.000324264			-0.05	-0.166666667	0.7	3.115001402		0.04	0.121212121	17.5	
CC															
CC															
CC		0.02	0.024390244	0.0002381			0.028	0.093333333	1.3	5.785002603		0.01	0.03030303	130	
CC		0.01	0.012195122				0.01	0.033333333	0.022	0.097900044		0.01	0.03030303	2.2	
CC		EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
CC		0.02	0.024390244				0.02	0.066666667	0.2	0.890000401		0.02	0.060606061	10	
CC		mg/L					mg/L		mg/L			mg/L			
CC															
CC															
CC		0.2	0.243902439	0.00189395			0.06	0.2	1.26	5.607002523		0.075	0.227272727	16.8	
CC		0.01	0.012195122				0.01	0.033333333	0.011	0.048950022		0.01	0.03030303	1.1	
CC		EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
CC		0.02	0.024390244				0.02	0.066666667	0.1	0.4450002		0.02	0.060606061	5	
CC		mg/L					mg/L		mg/L			mg/L			
CC															
CC															
CC		0.2	0.243902439	0.001012131			0.041	0.136666667	2	8.900004005		0.16	0.484848485	12.5	
CC		0.01	0.012195122				0.01	0.033333333	0.022	0.097900044		0.01	0.03030303	2.2	
CC		EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
CC		0.02	0.024390244				0.02	0.066666667	0.2	0.890000401		0.02	0.060606061	10	
CC		mg/L					mg/L		mg/L			mg/L			
CC															
CC															
CC		0.2	0.243902439	0.001727751			0.049	0.163333333	1.1	4.895002203		0.054	0.163636364	20.37037037	
CC		0.01	0.012195122				0.01	0.033333333	0.022	0.097900044		0.01	0.03030303	2.2	
CC		EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
CC		0.02	0.024390244				0.02	0.066666667	0.2	0.890000401		0.02	0.060606061	10	
CC		mg/L					mg/L		mg/L			mg/L			
CC															
CC		0.08	0.097560976	0.003762557			0.02	0.066666667	0.92	4.094001842		0.053	0.160606061	17.35849057	
CC		0.01	0.012195122				0.01	0.033333333	0.011	0.048950022		0.01	0.03030303	1.1	
CC		EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
CC		0.02	0.024390244				0.02	0.066666667	0.1	0.4450002		0.02	0.060606061	5	
CC		mg/L					mg/L		mg/L			mg/L			
CC															
CC	130	0.1					0.026		0.9			0.074			
CC	0.02	0.01					0.01		0.013			0.01			
CC	EPA-6010	EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
CC	0.5	0.02					0.02		0.1			0.02			
CC	mg/L	mg/L					mg/L		mg/L			mg/L			

ProjId	NA	NH3_N	NH3_NH3	NH3U_N	NH4_NH4	NH4_N	NO2_N	NO2_NO2	NO3_N	NO3_NO3	NO3NO2_N	OP_P	OP_PO4	NO3_PO4_RATIO	OXYAGE
CC															
CC	180	0.04					0.026		0.87			-0.005			
CC	0.037	0.01					0.01		0.032			0.01			
CC	EPA-6010	EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
CC	0.5	0.02					0.02		0.2			0.02			
CC	mg/L	mg/L					mg/L		mg/L			mg/L			
CC															
CC	200	0.07					0.036		0.69			0.03			
CC	0.037	0.01					0.01		0.036			0.01			
CC	EPA-6010	EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
CC	0.5	0.02					0.02		0.2			0.02			
CC	mg/L	mg/L					mg/L		mg/L			mg/L			
CC															
CC	180	0.04					0.033		0.68			0.031			
CC	0.05	0.01					0.01		0.032			0.01			
CC	EPA-6010	EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
CC	0.5	0.02					0.02		0.2			0.02			
CC	mg/L	mg/L					mg/L		mg/L			mg/L			
CC															
CC	190	~0.02					-0.005		0.38			0.012			
CC	0.037	0.01					0.01		0.032			0.01			
CC	EPA-6010	EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
CC	0.5	0.02					0.02		0.2			0.02			
CC	mg/L	mg/L					mg/L		mg/L			mg/L			
CC															
CC	190	0.03					-0.005		0.61			-0.05			
CC	0.037	0.01					0.01		0.032			0.1			
CC	EPA-6010	EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
CC	0.5	0.02					0.02		0.2			0.2			
CC	mg/L	mg/L					mg/L		mg/L			mg/L			
CC															
CC	160	0.03					0.01			1.3	1.3	0.029			
CC	0.05	0.01					0.01				0.05	0.01			
CC	EPA-6010	EPA-350.1					EPA-353.2			Calculated	EPA-353.2	EPA-365.1			
CC	0.5	0.02					0.02			0.1	0.1	0.02			
CC	mg/L	mg/L					mg/L			mg/L	mg/L	mg/L			
CC															
CC															
CC	84	0.1							1.08						
CC	0.037	0.01							0.016						
CC	EPA-6010	EPA-350.1							EPA-300.0						

ProjId	NA	NH3_N	NH3_NH3	NH3U_N	NH4_NH4	NH4_N	NO2_N	NO2_NO2	NO3_N	NO3_NO3	NO3NO2_N	OP_P	OP_PO4	NO3_PO4_RATIO	OXYAGE
CC	0.5	0.02							0.1						
CC	mg/L	mg/L							mg/L						
CC															
CC															
CC															
CC	0.037	0.01					0.01		0.016			0.01			
CC	EPA-6010	EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
CC	0.5	0.02					0.02		0.1			0.02			
CC	mg/L	mg/L					mg/L		mg/L			mg/L			
CC	95	0.09					0.017		1.57			0.062			
CC															
SantaBarb															
SantaBarb	0.07	0.0164	0.02				0.0099	0.033	0.01573033	0.07		0.0099	0.03	1.588922222	
SantaBarb	EPA-6010		EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1		
SantaBarb	0.5	0.0246	0.03				0.0195	0.065	0.0898876	0.4		0.0165	0.05	5.447733333	
SantaBarb	mg/L		mg/L					mg/L		mg/L			mg/L		
SantaBarb	88	0.0328	0.04	0.000956053			0.0099	0.033	0.13932578	0.62		0.066	0.2	2.110996667	
SantaBarb	89	0.041	0.05	0.001195066			0.0099	0.033	0.15505611	0.69		0.0627	0.19	2.472984211	
SantaBarb	0.07	0.0164	0.02				0.0099	0.033	0.01573033	0.07		0.0099	0.03	1.588922222	
SantaBarb	EPA-6010		EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1		
SantaBarb	0.5	0.0246	0.03				0.0195	0.065	0.0898876	0.4		0.0165	0.05	5.447733333	
SantaBarb	mg/L		mg/L					mg/L		mg/L			mg/L		
SantaBarb	50	0.082	0.1	0.003666165			-0.0045	-0.015	0.674157	3		0.14	0.424242424	4.815407143	
SantaBarb	0.07	0.0164	0.02				0.0099	0.033	0.01573033	0.07		0.03	0.090909091	0.524344333	
SantaBarb	EPA-6010		EPA-350.1					EPA-353.2		EPA-300.0		EPA-365.1			
SantaBarb	0.5	0.0246	0.03				0.0195	0.065	0.224719	1		0.05	0.151515152	4.49438	
SantaBarb	mg/L		mg/L					mg/L		mg/L		mg/L			
SantaBarb															
SantaBarb	14	0.082	0.1	0.001117911			0.0132	0.044	1.07190963	4.77		0.1551	0.47	6.911087234	
SantaBarb	0.07	0.0164	0.02				0.0099	0.033	0.01573033	0.07		0.0099	0.03	1.588922222	
SantaBarb	EPA-6010		EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1		
SantaBarb	0.5	0.0246	0.03				0.0195	0.065	0.0898876	0.4		0.0165	0.05	5.447733333	
SantaBarb	mg/L		mg/L					mg/L		mg/L			mg/L		
SantaBarb															
SantaBarb															
SantaBarb	71	-0.0082	-0.01	-0.000164733			0.0198	0.066	0.6966289	3.1		0.0165	0.05	42.21993333	
SantaBarb															
SantaBarb															
SantaBarb	0.07	0.0164	0.02				0.0099	0.033	0.01573033	0.07		0.03	0.090909091	0.524344333	
SantaBarb	EPA-6010		EPA-350.1					EPA-353.2		EPA-300.0		EPA-365.1			
SantaBarb	0.5	0.0246	0.03				0.0195	0.065	0.0898876	0.4		0.05	0.151515152	1.797752	

ProjId	NA	NH3_N	NH3_NH3	NH3U_N	NH4_NH4	NH4_N	NO2_N	NO2_NO2	NO3_N	NO3_NO3	NO3NO2_N	OP_P	OP_PO4	NO3_PO4_RATIO	OXYAGE
SantaBarb	mg/L		mg/L					mg/L		mg/L		mg/L			
SantaBarb	75	0.0328	0.04	0.001061085			-0.00495	-0.0165	0.16404487	0.73		0.038	0.115151515	4.316970263	
SantaBarb															
SantaBarb	94	0.0328	0.04	0.000868011			0.0132	0.044	0.05393256	0.24		0.0495	0.15	1.089546667	
SantaBarb															
SantaBarb															
SantaBarb															
SantaBarb	110	0.0574	0.07	0.000936818			-0.00495	-0.0165	-0.01573033	-0.07		0.1287	0.39	-0.122224786	
SantaBarb															
DO															
DO															
SantaBarb															
SantaBarb	0.07	0.0164	0.02				0.0099	0.033	0.01573033	0.07		0.0099	0.03	1.588922222	
SantaBarb	EPA-6010		EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1		
SantaBarb	0.5	0.0246	0.03				0.0195	0.065	0.0898876	0.4		0.0165	0.05	5.447733333	
SantaBarb	mg/L		mg/L					mg/L		mg/L			mg/L		
SantaBarb	120	0.0164	0.02	0.000278232			-0.00495	-0.0165	-0.007865165	-0.035		0.1287	0.39	-0.061112393	
SantaBarb															
DO															
SantaBarb															
SantaBarb	120	-0.005	-0.006097561	-0.000104349			-0.00495	-0.0165	-0.007865165	-0.035		0.0858	0.26	-0.09166859	
SantaBarb															
SantaBarb															
SantaBarb	0.07	0.01	0.012195122				0.01	0.033333333	0.02	0.08900004		0.01	0.03030303	2	
SantaBarb	EPA-6010	EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
SantaBarb	0.5	0.02	0.024390244				0.02	0.066666667	0.1	0.4450002		0.02	0.060606061	5	
SantaBarb	mg/L	mg/L					mg/L		mg/L			mg/L			
SantaBarb	53	0.31	0.37804878	0.001250128			0.28	0.933333333	0.56	2.492001121		0.41	1.242424242	1.365853659	
SantaBarb															
SantaBarb															
SantaBarb															
SantaBarb	0.07	0.01	0.012195122				0.01	0.033333333	0.02	0.08900004		0.01	0.03030303	2	
SantaBarb	EPA-6010	EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
SantaBarb	0.5	0.02	0.024390244				0.02	0.066666667	0.1	0.4450002		0.02	0.060606061	5	
SantaBarb	mg/L	mg/L					mg/L		mg/L			mg/L			
SantaBarb	60	-0.005	-0.006097561	-1.46308E-05			0.02	0.066666667	0.033	0.146850066		0.18	0.545454545	0.183333333	
SantaBarb															
SantaBarb															
SantaBarb															
SantaBarb	0.07	0.01	0.012195122						0.02	0.08900004		0.01	0.03030303	2	
SantaBarb	EPA-6010	EPA-350.1							EPA-300.0			EPA-365.1			

ProjId	NA	NH3_N	NH3_NH3	NH3U_N	NH4_NH4	NH4_N	NO2_N	NO2_NO2	NO3_N	NO3_NO3	NO3NO2_N	OP_P	OP_PO4	NO3_PO4_RATIO	OXYAGE
SantaBarb	0.5	0.02	0.024390244						0.1	0.4450002		0.02	0.060606061	5	
SantaBarb	mg/L	mg/L							mg/L			mg/L			
SantaBarb	98	-0.005	-0.006097561	-1.57449E-05			-0.005	-0.016666667	0.053	0.235850106		0.071	0.215151515	0.746478873	
SantaBarb															
SantaBarb															
SantaBarb	0.07	0.01	0.012195122				0.01	0.033333333	0.04	0.17800008		0.01	0.03030303	4	
SantaBarb	EPA-6010	EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
SantaBarb	0.5	0.02	0.024390244				0.02	0.066666667	0.2	0.890000401		0.02	0.060606061	10	
SantaBarb	mg/L	mg/L					mg/L		mg/L			mg/L			
SantaBarb	56	0.01	0.012195122	7.61507E-05			-0.005	-0.016666667	0.057	0.253650114		0.033	0.1	1.727272727	
SantaBarb															
SantaBarb	0.2	0.01	0.012195122				0.01	0.033333333	0.02	0.08900004		0.01	0.03030303	2	
SantaBarb	EPA-6010	EPA-350.1					EPA-353.2		EPA-300.0			EPA-365.1			
SantaBarb	0.5	0.02	0.024390244				0.02	0.066666667	0.1	0.4450002		0.02	0.060606061	5	
SantaBarb	mg/L	mg/L					mg/L		mg/L			mg/L			
SantaBarb	62	0.01	0.012195122	5.1536E-05			-0.005	-0.016666667	0.12	0.53400024		0.029	0.087878788	4.137931034	
SantaBarb															

ProjId	P_P	PHOS_P	POTASS	RAIN	SETTLE	SILICA	SULFATE	SULFIDE	TCOLI	FCOLI	TDS	TKN_N	N_N	TOTAL_N	TSS	TURB_J	VS	VTDS
CC									13000	3000								
CC		0.06					0.25				30	0.1	0.04203033		2			30
CC		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
CC		0.15					1				50	0.2	0.1339876		2			50
CC		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
CC		0.75					567				1620	0.84	1.390195		25			310
CC									8000	240								
CC		0.06					0.25				30	0.3	0.04203033		5			30
CC		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
CC		0.15					1				50	0.5	0.1339876		5			50
CC		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
CC		3.02					340				895	1	1.5720859		88			210
CC		29.2					80		54000	4900	270	4.6	1.1738512		2900			60
CC		0.6					0.25				10	0.5	0.04203033		50			10
CC		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
CC		1.5					1				20	1	0.1339876		50			20
CC		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
CC																		
CC																		
CC									16000	170								
CC		0.28					704				1750	0.56	1.8858082		12			310
CC									5000	110								
CC		0.06					0.5				50	0.1	0.05776066		1			50
CC		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
CC		0.15					2				100	0.2	0.24185272		1			100
CC		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
CC		0.2					730				1930	~0.77	1.7026735		5			440
CC									900	900								
CC		0.24					790				1960	0.77	1.8573925		17			470
CC																		
CC									13000	110								
CC		0.06					0.5				50	0.1	0.05776066		1			50
CC		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
CC		0.15					2				100	0.2	0.24185272		1			100
CC		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
CC		0.13					796				2320	0.75	1.6925611		2.8			610
CC																		
DO																		
DO																		
CC									1400	700								
CC		0.06					0.5				50	0.1	0.05776066		2			50

ProjId	P_P	PHOS_P	POTASS	RAIN	SETTLE	SILICA	SULFATE	SULFIDE	TCOLI	FCOLI	TDS	TKN_N	N_N	TOTAL_N	TSS	TURB_J	VS	VTDS
CC		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
CC		0.15					2				100	0.2	0.24185272		2			100
CC		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
CC		0.22					739				2090	0.68	1.5802016		11			390
CC																		
DO																		
CC									8000	300								
CC		0.19					656				2030	0.69	1.59586449		5.8			410
CC																		
CC		0.36					520		9000	500	1650	0.4	1.209595		11			310
CC		0.06					0.5				50	0.11	0.05136066		1			50
CC		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
CC		0.15					2				100	0.2	0.23725272		1			100
CC		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
CC																		
CC									160001	160001								
CC	0.02						0.5				30	0.11	0.04		3			30
CC	EPA-365.4						EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
CC	0.05						2				50	0.2	0.14		3			50
CC	mg/L						mg/L				mg/L	mg/L			mg/L			mg/L
CC	0.27						408				1350	0.99	1.83		12			350
CC																		
CC																		
CC									160000	3000								
CC	0.26						229				410	0.61	0.818		17			77
CC																		
CC																		
CC									13000	200								
CC		0.02					0.5				50	0.1	0.06		1			50
CC		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
CC		0.05					2				100	0.2	0.24		1			100
CC		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
CC		0.11					503				1590	0.76	1.307		6			360
CC																		
CC																		
CC									1700	80								
CC		0.02					0.5				50	0.1	0.03		3			50
CC		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
CC		0.05					2				100	0.2	0.12		3			100
CC		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
CC		0.05					557				1680	0.75	2.512		-1.5			340

ProjId	P_P	PHOS_P	POTASS	RAIN	SETTLE	SILICA	SULFATE	SULFIDE	TCOLI	FCOLI	TDS	TKN_N	N_N	TOTAL_N	TSS	TURB_J	VS	VTDS
CC																		
CC									1300	70								
CC		0.02					0.5				50	0.11	0.06		3			50
CC		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
CC		0.05					2				100	0.2	0.24		3			100
CC		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
CC		0.03					581				1510	0.58	1.56		-1.5			300
CC																		
CC		0.02					0.5				50	0.1	0.06		1			50
CC		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
CC		0.05					2				100	0.2	0.24		1			100
CC		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
CC		0.05					494				1500	0.6	1.358		4.6			320
CC																		
CC									1700	70								
CC		0.02					0.5				50	0.1	0.06		1			50
CC		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
CC		0.05					2				100	0.2	0.24		1			100
CC		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
CC		0.05					512				1480	0.73	1.004		5.6			350
CC																		
CC									500	240								
CC		0.02					0.16				30	0.5	0.042		1			30
CC		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
CC		0.05					2				50	1	0.24		1			50
CC		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
CC		0.05					467				1350	8	0.554		1			240
CC																		
CC									2400	110								
CC		0.02					0.16				30	0.1	0.042		1			30
CC		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
CC		0.05					2				50	0.2	0.24		1			50
CC		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
CC		0.07					420				1300	0.5	0.606		2.6			300
CC																		
CC	0.07						520		50000	200	1660	0.7	0.88	1.5	36			223
CC																		
CC	0.05						510		1700	130	1620	0.5	0.77	1.2	43			280
CC																		
CC	0.05								30000	500	1760	-0.25	0.77	0.7				398
CC																		

ProjId	P_P	PHOS_P	POTASS	RAIN	SETTLE	SILICA	SULFATE	SULFIDE	TCOLI	FCOLI	TDS	TKN_N	N_N	TOTAL_N	TSS	TURB_J	VS	VTDS
CC	0.05								500	500	1500	-0.25	0.78	0.73				269
CC																		
CC																		
CC	0.06								2300	400	1710	0.56	1.348		2.4			480
CC	0.02										50	0.1	0.042		1			50
CC	EPA-365.4										EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
CC	0.05										100	0.2	0.24		1			100
CC	mg/L										mg/L	mg/L			mg/L			mg/L
CC																		
CC																		
CC		0.12							5000	300	1730	~0.3	1.52		6.2			500
CC		0.02									50	0.1	0.031		1			50
CC		EPA-365.4									EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
CC		0.05									100	0.2	0.14		1			100
CC		mg/L									mg/L	mg/L			mg/L			mg/L
CC																		
CC																		
CC		0.23							30000	3000	1170	0.93	2.241		37			290
CC		0.02									30	0.1	0.042		3			30
CC		EPA-365.4									EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
CC		0.05									50	0.2	0.24		3			50
CC		mg/L									mg/L	mg/L			mg/L			mg/L
CC																		
CC																		
CC		0.1							7000	300	1620	1	1.349		2.2			330
CC		0.02									50	0.1	0.042		2			50
CC		EPA-365.4									EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
CC		0.05									100	0.2	0.24		2			100
CC		mg/L									mg/L	mg/L			mg/L			mg/L
CC																		
CC		0.12							11000	800	1060	0.73	1.02		11			200
CC		0.02									30	0.1	0.031		1			30
CC		EPA-365.4									EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
CC		0.05									50	0.2	0.14		1			50
CC		mg/L									mg/L	mg/L			mg/L			mg/L
CC																		
CC		0.12							5000	230	1310	0.79		1.7	2			340
CC		0.02									30	0.1			2			30
CC		EPA-365.4									EPA-160.1	EPA-351.2		Calculated	EPA-160.2			EPA-160.4
CC		0.05									50	0.2		0.2	2			50
CC		mg/L									mg/L	mg/L		mg/L	mg/L			mg/L

ProjId	P_P	PHOS_P	POTASS	RAIN	SETTLE	SILICA	SULFATE	SULFIDE	TCOLI	FCOLI	TDS	TKN_N	N_N	TOTAL_N	TSS	TURB_J	VS	VTDS
CC																		
CC		-0.01							11000	110	1500	0.68		1.6	2.2			~300
CC		0.02									50	0.1			1			~50
CC		EPA-365.4									EPA-160.1	EPA-351.2		Calculated	EPA-160.2			~EPA-160.4
CC		0.05									100	0.2		0.2	1			~100
CC		mg/L									mg/L	mg/L		mg/L	mg/L			~mg/L
CC																		
CC		0.05							5000	80	1580	1.2		1.9	2			400
CC		0.02									50	0.1			1			50
CC		EPA-365.4									EPA-160.1	EPA-351.2		Calculated	EPA-160.2			EPA-160.4
CC		0.05									100	0.2		0.4	1			100
CC		mg/L									mg/L	mg/L		mg/L	mg/L			mg/L
CC																		
CC		0.07							24000	24000	1500	0.66		1.4	3.8			240
CC		0.02									50	0.1			1			50
CC		EPA-365.4									EPA-160.1	EPA-351.2		Calculated	EPA-160.2			EPA-160.4
CC		0.05									100	0.2		0.2	1			100
CC		mg/L									mg/L	mg/L		mg/L	mg/L			mg/L
CC																		
CC		0.04							8000	2700	1680	~0.66		1	3			420
CC		0.02									30	0.1			1			30
CC		EPA-365.4									EPA-160.1	EPA-351.2		Calculated	EPA-160.2			EPA-160.4
CC		0.05									50	0.2		0.4	1			50
CC		mg/L									mg/L	mg/L		mg/L	mg/L			mg/L
CC																		
CC		0.06							30000	300	1580	0.69		1.3	9.2			940
CC		0.02									50	0.1			1			50
CC		EPA-365.4									EPA-160.1	EPA-351.2		Calculated	EPA-160.2			EPA-160.4
CC		0.05									100	0.2		0.4	1			100
CC		mg/L									mg/L	mg/L		mg/L	mg/L			mg/L
CC																		
CC		0.06									1430	0.63		1.9	7.4			350
CC		0.02									50	0.1			1			50
CC		EPA-365.4									EPA-160.1	EPA-351.2		Calculated	EPA-160.2			EPA-160.4
CC		0.05									100	0.2		0.2	1			100
CC		mg/L									mg/L	mg/L		mg/L	mg/L			mg/L
CC																		
CC																		
CC	0.29										733	1.2		2.3	100			200
CC	0.02										20	0.1			5			20
CC	EPA-365.4										EPA-160.1	EPA-351.2		Calculated	EPA-160.2			EPA-160.4

ProjId	P_P	PHOS_P	POTASS	RAIN	SETTLE	SILICA	SULFATE	SULFIDE	TCOLI	FCOLI	TDS	TKN_N	N_N	TOTAL_N	TSS	TURB_J	VS	VTDS
CC	0.05										40	0.2		0.2	5			40
CC	mg/L										mg/L	mg/L		mg/L	mg/L			mg/L
CC																		
CC																		
CC																		
CC		0.02									20	0.1			2			20
CC		EPA-365.4									EPA-160.1	EPA-351.2		Calculated	EPA-160.2			EPA-160.4
CC		0.05									40	0.2		0.2	2			40
CC		mg/L									mg/L	mg/L		mg/L	mg/L			mg/L
CC		0.11									910	0.83		2.4	5.2			220
CC																		
SantaBarb									2300	300								
SantaBarb		0.06					0.25				20	0.1	0.04203033		2			20
SantaBarb		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
SantaBarb		0.15					1				40	0.2	0.1339876		2			40
SantaBarb		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
SantaBarb		0.28					370				963	0.5	0.18202578		5			230
SantaBarb		0.22					371				987	0.4	0.20595611		3			190
SantaBarb		0.06					0.25				20	0.1	0.04203033		2			20
SantaBarb		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
SantaBarb		0.15					1				40	0.2	0.1339876		2			40
SantaBarb		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
SantaBarb		0.23					213		5000	300	580	0.57	0.760657		10			140
SantaBarb		0.06					0.25				20	0.1	0.04203033		3			20
SantaBarb		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
SantaBarb		0.15					1				40	0.2	0.268819		3			40
SantaBarb		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
SantaBarb															10			
SantaBarb		5					51		22000	4900	226	2	1.16710963		1700			62
SantaBarb		0.6					0.25				10	0.5	0.04203033		20			10
SantaBarb		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
SantaBarb		1.5					1				20	1	0.1339876		20			20
SantaBarb		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
SantaBarb																		
SantaBarb									8000	110								
SantaBarb		0.12					339				855	0.2	0.7246289		2			180
SantaBarb																		
SantaBarb									13000	300								
SantaBarb		0.06					0.25				20	0.1	0.04203033		1			20
SantaBarb		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
SantaBarb		0.15					1				40	0.2	0.1339876		1			40

ProjId	P_P	PHOS_P	POTASS	RAIN	SETTLE	SILICA	SULFATE	SULFIDE	TCOLI	FCOLI	TDS	TKN_N	N_N	TOTAL_N	TSS	TURB_J	VS	VTDS
SantaBarb		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
SantaBarb		0.16					324				780	~0.4	0.20179487		3			150
SantaBarb									2400	240								
SantaBarb		0.24					368				945	0.4	0.09993256		-0.5			200
SantaBarb																		
SantaBarb																		
SantaBarb									1600	20								
SantaBarb		0.51					413				1190	0.88	0.07808033		1			310
SantaBarb																		
DO																		
DO																		
SantaBarb									50	30								
SantaBarb		0.06					0.5				30	0.1	0.04203033		2			30
SantaBarb		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
SantaBarb		0.15					2				50	0.2	0.1339876		2			50
SantaBarb		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
SantaBarb		0.29					436				1250	0.5	0.029215165		-1			240
SantaBarb																		
DO																		
SantaBarb									30	-1								
SantaBarb		0.21					406				1160	0.5	0.017815165		2			200
SantaBarb																		
SantaBarb									160001	160000								
SantaBarb	0.02						0.25				20	0.11	0.04		3			20
SantaBarb	EPA-365.4						EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
SantaBarb	0.05						1				40	0.2	0.14		3			40
SantaBarb	mg/L						mg/L				mg/L	mg/L			mg/L			mg/L
SantaBarb	0.65						192				623	2.4	1.15		6.5			170
SantaBarb																		
SantaBarb																		
SantaBarb									17000	1300								
SantaBarb		0.02					0.25				20	0.1	0.04		3			20
SantaBarb		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
SantaBarb		0.05					1				40	0.2	0.14		3			40
SantaBarb		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
SantaBarb		0.22					216				667	0.56	0.058		4			140
SantaBarb																		
SantaBarb																		
SantaBarb									5000	40								
SantaBarb		0.02					0.25				30	0.1	0.03		1			30
SantaBarb		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4

ProjId	P_P	PHOS_P	POTASS	RAIN	SETTLE	SILICA	SULFATE	SULFIDE	TCOLI	FCOLI	TDS	TKN_N	N_N	TOTAL_N	TSS	TURB_J	VS	VTDS
SantaBarb		0.05					1				50	0.2	0.12		1			50
SantaBarb		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
SantaBarb		0.1					375				1120	0.4	0.063		1			260
SantaBarb																		
SantaBarb									2200	240								
SantaBarb		0.02					0.5				20	0.11	0.06		1			20
SantaBarb		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
SantaBarb		0.05					2				40	0.2	0.24		1			40
SantaBarb		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
SantaBarb		0.05					304				700	0.3	0.072		-0.5			100
SantaBarb																		
SantaBarb		0.02					0.25				20	0.1	0.04		1			20
SantaBarb		EPA-365.4					EPA-300.0				EPA-160.1	EPA-351.2			EPA-160.2			EPA-160.4
SantaBarb		0.05					1				40	0.2	0.14		1			40
SantaBarb		mg/L					mg/L				mg/L	mg/L			mg/L			mg/L
SantaBarb		0.05					297				717	0.3	0.135		1			150
SantaBarb																		

ProjId	VTSS	DEMAND	DEPTH	DEPTHLOC	FLOW_PK	RAIND	RAINW	PHAEO	ALKALINITY	VELO	RESIDUAL	Ibatt	DoLoaded	DO_SAT_DEP	BioStim	QAQCflags	QAQCaction
CC																	
CC	2																
CC	EPA-160.4																
CC	2																
CC	mg/L																
CC	3.2														0.568		
CC																	
CC	5																
CC	EPA-160.4																
CC	5																
CC	mg/L																
CC	8.7																
CC	320															BORO_DIS_0005	BORO_DIS_00050_A
CC	50															NO2_N_00050	NO2_N_00050_Acce
CC	EPA-160.4															FTSS_00056	FTSS_00056_Reject
CC	50															FTSS_00056	FTSS_00056_Reject
CC	mg/L															FTSS_00056	FTSS_00056_Reject
CC																	
CC																	
CC																	
CC	2.3														0.778	OP_PO4_00050	OP_PO4_00050_Acc
CC																	
CC	1															PHOS_P_00052	PHOS_P_00052_Acc
CC	EPA-160.4																
CC	1																
CC	mg/L																
CC	1														0.826	OP_PO4_00050	OP_PO4_00050_Acc
CC																	
CC	4.2														0.655	OP_PO4_00026	OP_PO4_00026_Acc
CC																	
CC																	
CC	1															PHOS_P_00052	PHOS_P_00052_Acc
CC	EPA-160.4																
CC	1																
CC	mg/L																
CC	1														0.639	PHOS_P_00050	PHOS_P_00050_Acc
CC																	
DO																	
DO																	
CC																	
CC	2																

ProjId	VTSS	DEMAND	DEPTH	DEPTHLOC	FLOW_PK	RAIND	RAINW	PHAEO	ALKALINITY	VELO	RESIDUAL	Ibatt	DoLoaded	DO_SAT_DEP	BioStim	QAQCflags	QAQCaction
CC	EPA-160.4																
CC	2																
CC	mg/L																
CC	3														0.707		
CC																	
DO																	
CC																	
CC	2.4														0.644		
CC																	
CC	2														0.626		
CC	1																
CC	EPA-160.4																
CC	1																
CC	mg/L																
CC																	
CC																	
CC	3																
CC	EPA-160.4																
CC	3																
CC	mg/L																
CC	8.5																
CC															0.96		
CC																	
CC																	
CC	4																
CC																	
CC																	
CC																	
CC	1																
CC	EPA-160.4																
CC	1																
CC	mg/L																
CC	1															NH3_N_00026	NH3_N_00026_Acce
CC															0.719		
CC																	
CC																	
CC	3															FTSS_00055	FTSS_00055_Accept
CC	EPA-160.4																
CC	3																
CC	mg/L																
CC	-1.5															OP_P_00050	OP_P_00050_Accept

ProjId	VTSS	DEMAND	DEPTH	DEPTHLOC	FLOW_PK	RAIND	RAINW	PHAEO	ALKALINITY	VELO	RESIDUAL	Ibatt	DoLoaded	DO_SAT_DEP	BioStim	QAQCflags	QAQCaction
CC																	
CC																	
CC	3															FTSS_00055	FTSS_00055_Accept
CC	EPA-160.4																
CC	3																
CC	mg/L																
CC	-1.5														0.855	PHOS_P_00050	PHOS_P_00050_Acc
CC																	
CC	1																
CC	EPA-160.4																
CC	1																
CC	mg/L																
CC	2.2																
CC															0.601		
CC																	
CC	1																
CC	EPA-160.4																
CC	1																
CC	mg/L																
CC	3.2														0.604	OP_P_00050	OP_P_00050_Accept
CC																	
CC																	
CC	1																
CC	EPA-160.4																
CC	1																
CC	mg/L																
CC	1														0.618	PHOS_P_00050	PHOS_P_00050_Acc
CC																	
CC																	
CC	1																
CC	EPA-160.4																
CC	1																
CC	mg/L																
CC	2														0.778	NH3_N_00026	NH3_N_00026_Acce
CC																	
CC	5														0.777		
CC																	
CC	16														0.309		
CC																	
CC															0.539	FTDS_00056	FTDS_00056_Reject
CC																	

ProjId	VTSS	DEMAND	DEPTH	DEPTHLOC	FLOW_PK	RAIND	RAINW	PHAEO	ALKALINITY	VELO	RESIDUAL	Ibatt	DoLoaded	DO_SAT_DEP	BioStim	QAQCflags	QAQCaction
CC																	
CC															0.782		
CC																	
CC	2															NO3_N_00008	NO3_N_00008_Acce
CC	1																
CC	EPA-160.4																
CC	1																
CC	mg/L																
CC																	
CC																	
CC	1															TKN_N_00026	TKN_N_00026_Rejec
CC	1															FTSS_00056	FTSS_00056_Reject
CC	EPA-160.4															FTSS_00056	FTSS_00056_Reject
CC	1															FTSS_00056	FTSS_00056_Reject
CC	mg/L															FTSS_00056	FTSS_00056_Reject
CC																	
CC																	
CC	5.5															NO3_N_00008	NO3_N_00008_Acce
CC	3																
CC	EPA-160.4																
CC	3																
CC	mg/L																
CC																	
CC																	
CC	-1															NO3_N_00008	NO3_N_00008_Acce
CC	2																
CC	EPA-160.4																
CC	2																
CC	mg/L																
CC																	
CC	3															VTSS_00033	VTSS_00033_Accept
CC	1																
CC	EPA-160.4																
CC	1																
CC	mg/L																
CC																	
CC	2															HARD_00056	HARD_00056_Reject
CC	2																
CC	EPA-160.4															HARD_00056	HARD_00056_Reject
CC	2															HARD_00056	HARD_00056_Reject
CC	mg/L															HARD_00056	HARD_00056_Reject

ProjId	VTSS	DEMAND	DEPTH	DEPTHLOC	FLOW_PK	RAIND	RAINW	PHAEO	ALKALINITY	VELO	RESIDUAL	Ibatt	DoLoaded	DO_SAT_DEP	BioStim	QAQCflags	QAQCaction
CC																TURB_N_00003	
CC	~2															CHLORIDE_0000	CHLORIDE_00008_A
CC	~1															FTDS_00056	FTDS_00056_Reject
CC	~EPA-160.4															FTDS_00056	FTDS_00056_Reject
CC	~1															FTDS_00056	FTDS_00056_Reject
CC	~mg/L															FTDS_00056	FTDS_00056_Reject
CC																	
CC	2															CHLORIDE_0000	CHLORIDE_00008_A
CC	1															FTSS_00056	FTSS_00056_Reject
CC	EPA-160.4															FTSS_00056	FTSS_00056_Reject
CC	1															FTSS_00056	FTSS_00056_Reject
CC	mg/L															FTSS_00056	FTSS_00056_Reject
CC																	
CC	~1															CHLORIDE_0000	CHLORIDE_00008_A
CC	~1															FTSS_00056	FTSS_00056_Reject
CC	~EPA-160.4															FTSS_00056	FTSS_00056_Reject
CC	~1															FTSS_00056	FTSS_00056_Reject
CC	~mg/L															FTSS_00056	FTSS_00056_Reject
CC																	
CC	-0.5															CHLORIDE_0000	CHLORIDE_00008_A
CC	1																
CC	EPA-160.4																
CC	1																
CC	mg/L																
CC																	
CC	5.8															FTSS_00056	FTSS_00056_Reject
CC	1															OP_P_00055	OP_P_00055_Accept
CC	EPA-160.4															FTSS_00056	FTSS_00056_Reject
CC	1															FTSS_00056	FTSS_00056_Reject
CC	mg/L															FTSS_00056	FTSS_00056_Reject
CC																TURB_N_00057	TURB_N_00057_Rej
CC	-0.5																
CC	1																
CC	EPA-160.4																
CC	1																
CC	mg/L																
CC																	
CC																TURB_N_00057	TURB_N_00057_Rej
CC	24																
CC	5																
CC	EPA-160.4																

ProjId	VTSS	DEMAND	DEPTH	DEPTHLOC	FLOW_PK	RAIND	RAINW	PHAEO	ALKALINITY	VELO	RESIDUAL	Ibatt	DoLoaded	DO_SAT_DEP	BioStim	QAQCflags	QAQCaction
CC	5																
CC	mg/L																
CC																	
CC																	
CC																	
CC	2																
CC	EPA-160.4																
CC	2																
CC	mg/L																
CC	2.5																
CC																	
SantaBarb																	
SantaBarb	2																
SantaBarb	EPA-160.4																
SantaBarb	2																
SantaBarb	mg/L																
SantaBarb	-1														0.302	NO2_NO2_00050	NO2_NO2_00050_Ac
SantaBarb	-1															NO2_NO2_00050	NO2_NO2_00050_Ac
SantaBarb	2																
SantaBarb	EPA-160.4																
SantaBarb	2																
SantaBarb	mg/L														0.301		
SantaBarb	-1.5																
SantaBarb	3																
SantaBarb	EPA-160.4																
SantaBarb	3																
SantaBarb	mg/L																
SantaBarb																	
SantaBarb	160															BORO_DIS_0005	BORO_DIS_00050_A
SantaBarb	20															NO2_N_00050	NO2_N_00050_Acce
SantaBarb	EPA-160.4															FTSS_00056	FTSS_00056_Reject
SantaBarb	20															FTSS_00056	FTSS_00056_Reject
SantaBarb	mg/L															FTSS_00056	FTSS_00056_Reject
SantaBarb																	
SantaBarb																	
SantaBarb	-0.5															PHOS_P_00050	PHOS_P_00050_Acc
SantaBarb															0.362		
SantaBarb																	
SantaBarb	1															OP_P_00052	OP_P_00052_Accept
SantaBarb	EPA-160.4																
SantaBarb	1																

ProjId	VTSS	DEMAND	DEPTH	DEPTHLOC	FLOW_PK	RAIND	RAINW	PHAEO	ALKALINITY	VELO	RESIDUAL	Ibatt	DoLoaded	DO_SAT_DEP	BioStim	QAQCflags	QAQCaction
SantaBarb	mg/L																
SantaBarb	-0.5														0.473	OP_PO4_00050	OP_PO4_00050_Acc
SantaBarb																	
SantaBarb	-0.5															OP_PO4_00026	OP_PO4_00026_Acc
SantaBarb															0.381		
SantaBarb																	
SantaBarb																	
SantaBarb	-0.5														0.794	NO3_NO3_00007	NO3_NO3_00007_Ac
SantaBarb																	
DO																	
DO																	
SantaBarb																	
SantaBarb	2																
SantaBarb	EPA-160.4																
SantaBarb	2																
SantaBarb	mg/L																
SantaBarb	-1														0.678		
SantaBarb																	
DO																	
SantaBarb																	
SantaBarb	2														0.427	NH3_N_00050	NH3_N_00050_Acce
SantaBarb																	
SantaBarb																	
SantaBarb	3															FTSS_00055	FTSS_00055_Accept
SantaBarb	EPA-160.4																
SantaBarb	3																
SantaBarb	mg/L																
SantaBarb	6.5																
SantaBarb															0.967		
SantaBarb																	
SantaBarb																	
SantaBarb	3															FTSS_00055	FTSS_00055_Accept
SantaBarb	EPA-160.4																
SantaBarb	3																
SantaBarb	mg/L																
SantaBarb	-1.5															NH3_N_00026	NH3_N_00026_Acce
SantaBarb															0.905		
SantaBarb																	
SantaBarb																	
SantaBarb	1															NO3_N_00050	NO3_N_00050_Acce
SantaBarb	EPA-160.4																

ProjId	VTSS	DEMAND	DEPTH	DEPTHLOC	FLOW_PK	RAIND	RAINW	PHAEO	ALKALINITY	VELO	RESIDUAL	Ibatt	DoLoaded	DO_SAT_DEP	BioStim	QAQCflags	QAQCaction
SantaBarb	1																
SantaBarb	mg/L																
SantaBarb	1															NO3_N_00050	NO3_N_00050_Acce
SantaBarb																	
SantaBarb																	
SantaBarb	1															NO3_N_00050	NO3_N_00050_Acce
SantaBarb	EPA-160.4																
SantaBarb	1																
SantaBarb	mg/L																
SantaBarb	-0.5														0.265	NO3_N_00007	NO3_N_00007_Acce
SantaBarb																	
SantaBarb	1																
SantaBarb	EPA-160.4																
SantaBarb	1																
SantaBarb	mg/L																
SantaBarb	1														0.154		
SantaBarb																	