

From: Priscilla Burton
To: Lundmark, Kevin; OGMCOAL
Date: 9/23/2010 2:56 PM
Subject: Fwd: Re: biosolids and funding
Attachments: eccles creek p and fe data 092010.XLS

Kevin, FYI.

>>> Amy Dickey Thursday, September 23, 2010 1:17 PM >>>
Hi Priscilla,

Sorry for the delay in reply. There is a fairly rich data set for Eccles Creek above Mud Creek, STORET #5931590.

Our water quality standard for iron is 1.0 mg/L **dissolved**, so we can't necessarily compare the recent sample collected to that since it is a total value. However, 21 total iron samples were collected on Eccles Creek between 1981 and 1982, with an average concentration of 1.1 mg/L...well below the 10 mg/L recently collected on Whiskey Creek.

In place of a phosphorus standard we use an indicator value of 0.05 mg/L. Of the 48 total phosphorus samples collected on Eccles Creek between 1981-2008 the highest value was 0.87 mg/L, with many of the results being below the indicator value or non detect. So the 8.0 mg/L is very high! Seems like your project is being done in an area that definitely needs some attention.

I've attached a spreadsheet with the data is you would like to take a look at it. Please let me know if you have any questions. I'm hoping to check out the Whiskey Creek drainage next time I'm up that way.

Thanks,
Amy

Amy Dickey
Watershed Scientist
Utah Division of Water Quality
(801)536-4334
adickey@utah.gov

>>> On 9/14/2010 at 7:51 AM, Mark Schmitz wrote:
I don't know, do you Amy? Our water quality standards for Fe are 1.0 mg/L.

>>> Priscilla Burton 9/14/2010 7:36 AM >>>
That's good news! How high is 8 mg/L P and 10 mg/L Fe in relation to the background levels in Eccles Creek?

>>> Mark Schmitz 09/14/10 6:49 AM >>>
Actually I met with the Watershed Protection Section Manager yesterday. He was quite impressed with the P, Fe, and TSS #'s. I believe we will get a grant. I'll bug him today or tomorrow when I see him.

I'll slip the #'s for Spanish Fork in the mail so you should have them in the next day or two.

I did an inspection at PRWID last spring so it will be a while before I go there again, but when I do, I'll call you.

Keep me in the loop please. Thanks, and sorry I have kept you on the dark.

>>> Priscilla Burton 9/13/2010 5:58 PM >>>

Mark,

The bid will be awarded on our project this week. We expect to start work in a couple weeks time. I hope that the weather stays nice.

Since I haven't heard from you, I am assuming that no funds were allocated to our project. If the possibility is still pending, let me know.

Could you send a copy of the average analytical results for the Spanish Fork treatment center?

Also, next time you go to PRIWID treatment center or the Spanish Fork treatment center, I would like to tag along.

Priscilla.

name	arrival_date	value_text	short_form	display_name	min	max
ECCLES CK AB CNFL / MUD CK	4/21/1981 0:00	2.2	mg/l	Iron		
ECCLES CK AB CNFL / MUD CK	5/13/1981 0:00	0.44	mg/l	Iron		
ECCLES CK AB CNFL / MUD CK	5/13/1981 0:00	0.67	mg/l	Iron		
ECCLES CK AB CNFL / MUD CK	6/24/1981 0:00	0.36	mg/l	Iron		
ECCLES CK AB CNFL / MUD CK	7/8/1981 0:00	0.34	mg/l	Iron		
ECCLES CK AB CNFL / MUD CK	7/22/1981 0:00	0.44	mg/l	Iron		
ECCLES CK AB CNFL / MUD CK	8/10/1981 0:00	2.93	mg/l	Iron		
ECCLES CK AB CNFL / MUD CK	8/17/1981 0:00	4.28	mg/l	Iron		
ECCLES CK AB CNFL / MUD CK	8/31/1981 0:00	0.52	mg/l	Iron		
ECCLES CK AB CNFL / MUD CK	9/28/1981 0:00	1.52	mg/l	Iron		
ECCLES CK AB CNFL / MUD CK	11/3/1981 0:00	0.51	mg/l	Iron		
ECCLES CK AB CNFL / MUD CK	12/1/1981 0:00	0.29	mg/l	Iron		
ECCLES CK AB CNFL / MUD CK	3/23/1982 0:00	1.58	mg/l	Iron		
ECCLES CK AB CNFL / MUD CK	4/22/1982 0:00	1.02	mg/l	Iron		
ECCLES CK AB CNFL / MUD CK	5/4/1982 0:00	2.42	mg/l	Iron		
ECCLES CK AB CNFL / MUD CK	5/20/1982 0:00	1.34	mg/l	Iron		
ECCLES CK AB CNFL / MUD CK	6/1/1982 0:00	0.57	mg/l	Iron		
ECCLES CK AB CNFL / MUD CK	6/15/1982 0:00	0.36	mg/l	Iron		
ECCLES CK AB CNFL / MUD CK	6/30/1982 0:00	0.55	mg/l	Iron		
ECCLES CK AB CNFL / MUD CK	7/13/1982 0:00	0.24	mg/l	Iron		
ECCLES CK AB CNFL / MUD CK	10/7/1982 0:00	1.27	mg/l	Iron		
ECCLES CK AB CNFL / MUD CK	7/16/2002 0:00	*Non-detect		Iron		
ECCLES CK AB CNFL / MUD CK	10/17/2002 0:00	*Non-detect		Iron		
ECCLES CK AB CNFL / MUD CK	11/21/2002 0:00	*Non-detect		Iron		
ECCLES CK AB CNFL / MUD CK	1/21/2003 0:00	*Non-detect		Iron		
ECCLES CK AB CNFL / MUD CK	3/25/2003 0:00	*Non-detect		Iron		
ECCLES CK AB CNFL / MUD CK	4/15/2003 0:00	*Non-detect		Iron		
ECCLES CK AB CNFL / MUD CK	8/28/2007 0:00	26.7	ug/l	Iron		
ECCLES CK AB CNFL / MUD CK	4/29/2008 0:00	*Non-detect		Iron		
ECCLES CK AB CNFL / MUD CK	4/21/1981 0:00	0.34	mg/l	Phosphorus as P		
ECCLES CK AB CNFL / MUD CK	5/13/1981 0:00	0.05	mg/l	Phosphorus as P		
ECCLES CK AB CNFL / MUD CK	5/13/1981 0:00	0.07	mg/l	Phosphorus as P		
ECCLES CK AB CNFL / MUD CK	6/24/1981 0:00	0.06	mg/l	Phosphorus as P		
ECCLES CK AB CNFL / MUD CK	7/8/1981 0:00	0.01	mg/l	Phosphorus as P		
ECCLES CK AB CNFL / MUD CK	7/22/1981 0:00	0.05	mg/l	Phosphorus as P		
ECCLES CK AB CNFL / MUD CK	8/10/1981 0:00	0.1	mg/l	Phosphorus as P		
ECCLES CK AB CNFL / MUD CK	8/17/1981 0:00	0.18	mg/l	Phosphorus as P		
ECCLES CK AB CNFL / MUD CK	9/28/1981 0:00	0.04	mg/l	Phosphorus as P		
ECCLES CK AB CNFL / MUD CK	11/3/1981 0:00	0.02	mg/l	Phosphorus as P		
ECCLES CK AB CNFL / MUD CK	12/1/1981 0:00	0.06	mg/l	Phosphorus as P		
ECCLES CK AB CNFL / MUD CK	3/23/1982 0:00	0.75	mg/l	Phosphorus as P		
ECCLES CK AB CNFL / MUD CK	4/22/1982 0:00	0.5	mg/l	Phosphorus as P		
ECCLES CK AB CNFL / MUD CK	5/4/1982 0:00	0.87	mg/l	Phosphorus as P		
ECCLES CK AB CNFL / MUD CK	5/20/1982 0:00	0.41	mg/l	Phosphorus as P		
ECCLES CK AB CNFL / MUD CK	6/1/1982 0:00	0.15	mg/l	Phosphorus as P		
ECCLES CK AB CNFL / MUD CK	6/15/1982 0:00	*Non-detect	mg/l	Phosphorus as P	0.01	
ECCLES CK AB CNFL / MUD CK	6/30/1982 0:00	0.15	mg/l	Phosphorus as P		
ECCLES CK AB CNFL / MUD CK	7/13/1982 0:00	0.09	mg/l	Phosphorus as P		
ECCLES CK AB CNFL / MUD CK	10/7/1982 0:00	0.37	mg/l	Phosphorus as P		
ECCLES CK AB CNFL / MUD CK	6/5/1989 0:00	0.031	mg/l	Phosphorus as P		

ECCLES CK AB CNFL / MUD CK	7/3/1989 0:00	0.094	mg/l	Phosphorus as P
ECCLES CK AB CNFL / MUD CK	8/7/1989 0:00	0.055	mg/l	Phosphorus as P
ECCLES CK AB CNFL / MUD CK	9/5/1989 0:00	0.066	mg/l	Phosphorus as P
ECCLES CK AB CNFL / MUD CK	11/6/1989 0:00	0.01	mg/l	Phosphorus as P
ECCLES CK AB CNFL / MUD CK	1/10/1990 0:00	0.029	mg/l	Phosphorus as P
ECCLES CK AB CNFL / MUD CK	1/22/1990 0:00	0.043	mg/l	Phosphorus as P
ECCLES CK AB CNFL / MUD CK	3/19/1990 0:00	0.023	mg/l	Phosphorus as P
ECCLES CK AB CNFL / MUD CK	5/3/1990 0:00	0.026	mg/l	Phosphorus as P
ECCLES CK AB CNFL / MUD CK	7/16/2002 0:00	0.027	mg/l	Phosphorus as P
ECCLES CK AB CNFL / MUD CK	7/16/2002 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	8/20/2002 0:00	.031	mg/l	Phosphorus as P
ECCLES CK AB CNFL / MUD CK	8/20/2002 0:00	.03	mg/l	Phosphorus as P
ECCLES CK AB CNFL / MUD CK	9/17/2002 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	9/17/2002 0:00	.07	mg/l	Phosphorus as P
ECCLES CK AB CNFL / MUD CK	10/17/2002 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	10/17/2002 0:00	.037	mg/l	Phosphorus as P
ECCLES CK AB CNFL / MUD CK	11/21/2002 0:00	.3	mg/l	Phosphorus as P
ECCLES CK AB CNFL / MUD CK	11/21/2002 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	1/21/2003 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	1/21/2003 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	2/25/2003 0:00	.024	mg/l	Phosphorus as P
ECCLES CK AB CNFL / MUD CK	2/25/2003 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	3/25/2003 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	3/25/2003 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	4/15/2003 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	4/15/2003 0:00	0.024	mg/l	Phosphorus as P
ECCLES CK AB CNFL / MUD CK	5/6/2003 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	5/6/2003 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	5/20/2003 0:00	0.03	mg/l	Phosphorus as P
ECCLES CK AB CNFL / MUD CK	5/20/2003 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	6/6/2003 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	6/6/2003 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	6/17/2003 0:00	0.012	mg/l	Phosphorus as P
ECCLES CK AB CNFL / MUD CK	6/17/2003 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	8/28/2007 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	8/28/2007 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	11/27/2007 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	11/27/2007 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	4/16/2008 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	4/16/2008 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	4/29/2008 0:00	0.021	mg/l	Phosphorus as P
ECCLES CK AB CNFL / MUD CK	4/29/2008 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	5/14/2008 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	5/14/2008 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	6/26/2008 0:00	*Non-detect		Phosphorus as P
ECCLES CK AB CNFL / MUD CK	6/26/2008 0:00	*Non-detect		Phosphorus as P

	Total
0.02	Dissolved
	Dissolved
	Total
.02	Dissolved
	Total
.02	Dissolved
	Total
	Total
.02	Dissolved
0.02	Dissolved
0.02	Total
	Total
.02	Dissolved
0.02	Dissolved
0.02	Total
0.02	Dissolved
	Total
0.02	Total
0.02	Dissolved
	Total
0.02	Dissolved
0.02	Total
0.02	Dissolved
0.02	Dissolved
0.02	Total
0.02	Dissolved
0.02	Total
0.02	Total
0.02	Dissolved
0.02	Dissolved
0.02	Total
0.02	Total
0.02	Dissolved