

# Using WebSIM

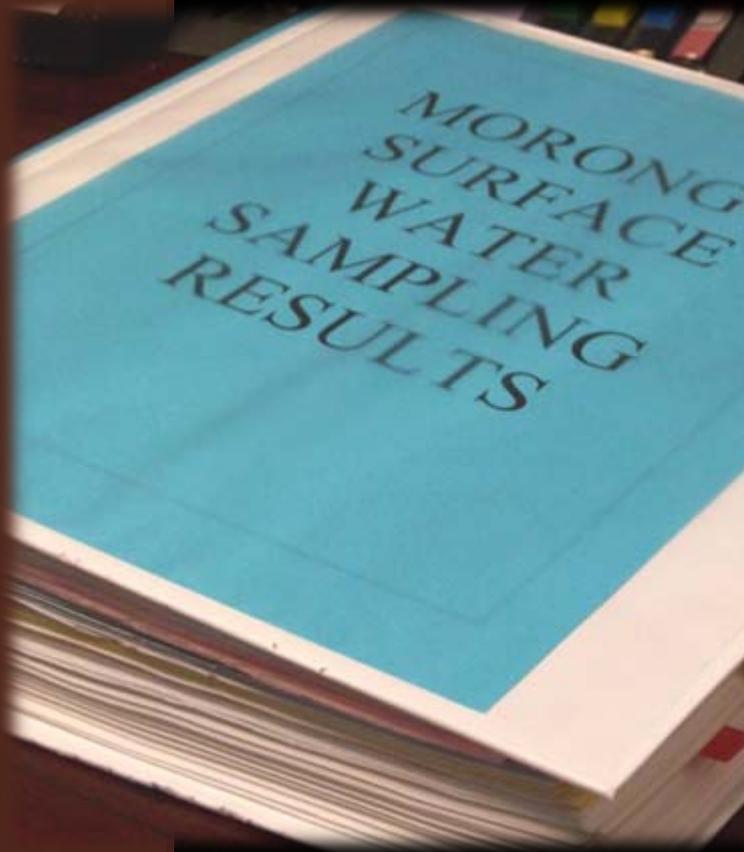
MORONGO BAND OF  
MISSION INDIANS

JENNIFER TORRES,  
Environmental Specialist



# Types of Data

- Lab Results



 **LAB**  
E.S. BABCOCK & SONS, INC.  
ESTABLISHED 1906

*Celebrating a Century of Reliable Data*

NELAP #02101CA ELAP#1156  
6100 Quail Valley Court Riverside, CA 92507-0704  
P.O. Box 432 Riverside, CA 92502-0432  
PH (951) 653-3351 FAX (951) 653-1862  
www.labcocklab.com

Page 1 of 3

**Morongo Band / Mission Indians**  
11581 Potrero Rd.  
Banning CA, 92220

Project: Morongo-Surface Water  
Project Number: Annual Bottling Sampling  
Project Manager: Ron Fioretti

Received: 04/26/06 14:41  
Received on Ice (Y/N): Yes Temperature: 8°C  
Reported: 5/2/2006  
Work Order: A6D2460

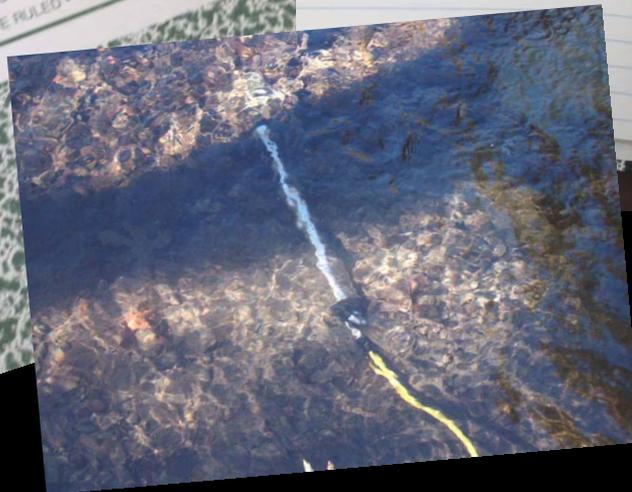
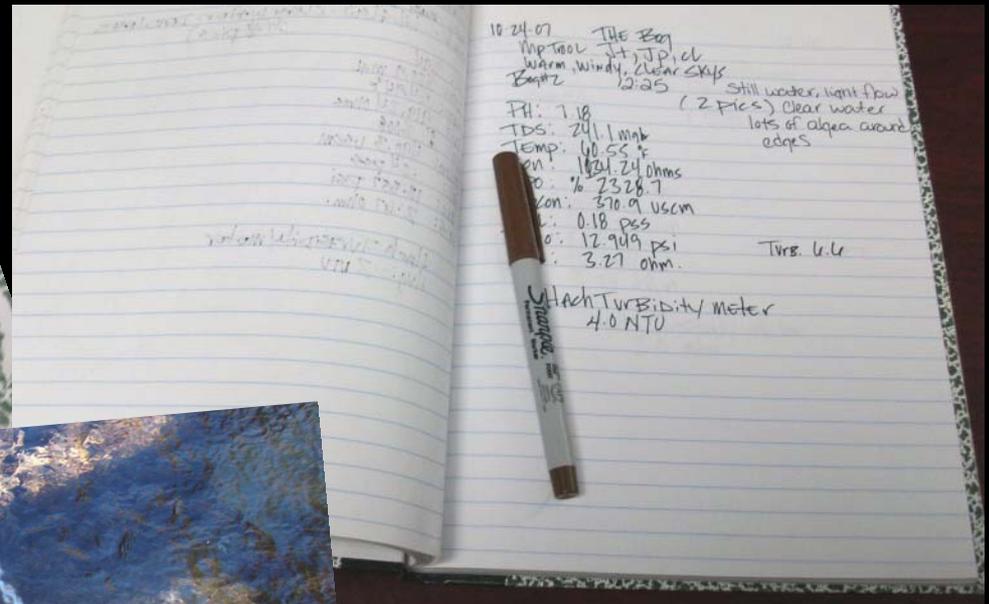
Submitted By: Courier (Guillermo)

*The information provided below is an integral part of this report. This information must be included with all numeric and/or narrative results associated with this report.*

<u>Lab Number</u>	<u>Sample Name</u>	<u>SampleType</u>	<u>Sampled</u>	<u>Sampled By</u>
A6D2460-01	Lion Canyon		04/26/06 09:48	
A6D2460-02	Deep Canyon		04/26/06 10:25	
A6D2460-03	Millard Cyn-South		04/26/06 11:00	
A6D2460-04	One Horse Waterfall		04/26/06 12:10	
A6D2460-05	One Horse Spring		04/26/06 12:30	
A6D2460-06	SG-North		04/26/06 12:40	
A6D2460-07	Millard Cyn-North		04/26/06 13:11	

# Types of Data

- Field Measurements



# Data management before...

Updates of Surface Water Samples [Compatibility Mode] - Microsoft Excel

C362

	A	B	C	D	E	F	G	H	I	J	K
	Sites	Ye	Month	pH	Specific Conductivity	Total Dissolved Solids	Turbidity	Temperature	Salinity	Conductivity	Barometric Pressu
1				pH un	uS/cm SC	mg/L	NTU's	F	PSU	uS/cm	*Hg
2	WOOD CANYON	2005	January	8.57	290.70	189.00		51.14	0.14	1699.36	12.371
3	WOOD CANYON	2005	April	8.18	307.50	199.90	-0.15	50.29	0.14	1626.62	12.260
4	WOOD CANYON	2005	July	7.85	360.30	234.20	-0.16	52.47	0.17	1345.13	12.304
5	WOOD CANYON	2005	October	7.55	406.60	264.30	0.19	51.64	0.19	1175.88	12.264
6	WOOD CANYON	2006	January	NA	NA	NA	NA	NA	NA	NA	NA
7	WOOD CANYON	2006	April	8.68	406.40	264.20	0.00	52.67	0.19	1176.82	12.240
8	WOOD CANYON	2006	July	8.13	410.90	267.10	0.11	53.78	0.20	1145.49	12.323
9	WOOD CANYON	2006	October	8.47	426.60	277.30	0.01	52.37	0.20	1101.05	12.273
10	WOOD CANYON	2007	January	8.39	426.60	277.30	3.19	44.79	0.20	1196.25	12.312
11	WOOD CANYON	2007	April	8.24	429.20	279.00	1.72	48.75	0.20	1150.44	12.224
12	WOOD CANYON	2007	July	7.74	477.00	310.00	4.00	54.80	0.23	944.93	12.25
13	WOOD CANYON	2007	October	7.94	490.30	320.90		54.94	0.24	919.24	12.357
14	WOOD CANYON	2008	January	7.72	468.10	304.20	3.01	49.43	0.22	1041.97	12.37
15	WOOD CANYON	2008	April	7.77	413.80	269.00	1.31	53.11	0.20	1196.36	12.32
16	WOOD CANYON	2008	July								
17	WOOD CANYON	2008	October								
18	BOG 2	2005	January	8.62	330.70	214.90		56.66	0.16	1382.45	12.92
19	BOG 2	2005	April	8.03	338.00	219.70		53.99	0.16	1402.93	12.87
20	BOG 2	2005	July	7.43	351.80	228.70	1.66	66.14	0.17	1151.74	12.89
21	BOG 2	2005	October	7.38	319.10	207.40	19.20	57.27	0.15	1384.91	12.87
22	BOG 2	2006	January								
23	BOG 2	2006	April	8.12	357.90	232.60	1.06	57.63	0.17	1247.71	12.85
24	BOG 2	2006	July	7.96	375.90	244.30	1.92	67.05	0.18	1055.26	12.91
25	BOG 2	2006	October	8.16	368.10	239.30	1.95	59.28	0.18	1160.80	12.87
26	BOG 2	2007	January	8.03	373.50	242.80	4.10	45.04	0.17	1404.53	12.97
27	BOG 2	2007	April	7.74	379.40	246.60	4.95	50.94	0.18	1260.64	12.86
28	BOG 2	2007	July	7.07	375.50	244.10	0.92	70.62	0.18	985.06	12.84
29	BOG 2	2007	October	7.18	370.90	241.10	6.60	60.55	0.18	1134.24	12.95
30	BOG 2	2008	January	7.45	373.40	242.70	0.83	48.72	0.18	1319.90	13.00
31	BOG 2	2008	April	7.17	350.80	228.00	17.79	58.41	0.17	1312.26	12.94
32	BOG 2	2008	July								
33	BOG 2	2008	October								
34	BOG 1	2005	January								

Ready

Sheet1 Sheet2

70%

Updates of Surface ...

6/12/2008

# Region 5 Template

	A	B	C
32			
33		<b>Tab Name</b>	<b>Description</b>
34		Project Columns	Lists the STORET data elements for each type of import supported by SIM: a.) whether or not they are required by STORET b.) field length limitations c.) the type of data expected in the field; i.e. free-text or an allowable value d.) a brief description of the data element
35		Station Columns	
36		Result Columns	
37			
38			
39		Projects	A template which can be used to store Project data
40		Stations	A template which can be used to store Station data
41		Results	A template which can be used to store Results data
42		Allowed Values - Stations	Shows what the STORET Allowable Values are for various Station-related data elements (i.e., that are designated as having a Field Type of "Allowable Value" on the Station Columns works
43		Allowed Values - Results	Shows what the STORET Allowable Values are for various Result-related data elements
44		Non-Taxa Characteristics	A listing of all available characteristics in STORET at this time not including taxa (biological) characteristics. Also indicates whether or not STORET requires a Sample Fraction or Field/Lab Analytical Procedure (both) for a particular characteristic.
45		Nat. Analytical Procedures	A listing of all available "built-in" Field/Lab Analytical Procedures in STORET.
46		Units of Measure	A listing of all available Units of Measure in STORET.
47		National Citations	A listing of all available "built-in" Citations in STORET
48			
49			
50			

# 24 Choices in Template for Nitrogen

Nitrogen ion (N)	Nitrogen and argon (unspecified mix)	Nitrogen, Nitrate (N03) as N03
Nitrogen dioxide		Nitrogen, Nitrite (N02) as N
Nitrogen gas (N2)		Nitrogen, Nitrite (N02) as N02
Nitrogen ion (N)		Nitrogen, organic
Nitrogen ion (N3)		Nitrogen-15
Nitrogen, albuminoid		
Nitrogen, ammonia (NH3) as NH3		
Nitrogen, ammonia (NH3) as NH4		
Nitrogen, ammonia (NH3) + ammonium (NH4)		
Nitrogen, ammonia (NH3) + organic		
Nitrogen, ammonia as N		
Nitrogen, ammonium (NH4) as NH4		
Nitrogen, ammonium (NH4)/ammonia (NH3) ratio		
Nitrogen, inorganic		
Nitrogen, Kjeldahl		
Nitrogen, mixed forms (NH3) + (NH4) + organic + (N02) + (N03)		
Nitrogen, Nitrite (N02) + Nitrate (N03) as N		

# Region 5 Template

## Lab Analyte

- Nitrate as N
- Nitrite as N
- Ammonia-Nitrogen
- Kjeldahl Nitrogen
- Total Nitrogen

## Characteristic Name from Template

Nitrogen, Nitrate (NO<sub>3</sub>) as NO<sub>3</sub>  
Nitrogen, Nitrite (NO<sub>2</sub>) as N  
Nitrogen, Ammonia as N  
Nitrogen, Kjeldahl  
Nitrogen, mixed forms

(NH<sub>3</sub>)

From

Lab

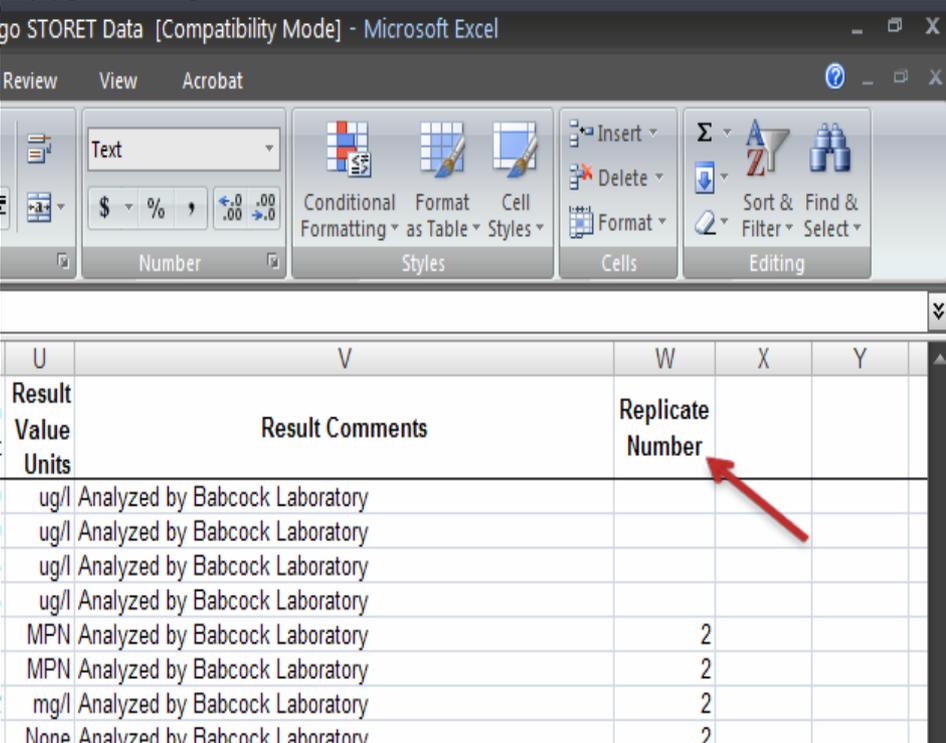
Report

rganic+(NO<sub>2</sub>)+(NO<sub>3</sub>)

From  
Template

# EPA Submittal

- Submitted data to EPA in Region 5 Template
- Eric Wilson suggested a few changes to correct format



go STORET Data [Compatibility Mode] - Microsoft Excel

Review View Acrobat

Text

Number

Conditional Formatting Styles

Format as Table

Cell Styles

Insert

Delete

Format

Σ

Sort & Filter

Find & Select

U	V	W	X	Y
Result Value Units	Result Comments	Replicate Number		
ug/l	Analyzed by Babcock Laboratory			
ug/l	Analyzed by Babcock Laboratory			
ug/l	Analyzed by Babcock Laboratory			
ug/l	Analyzed by Babcock Laboratory			
MPN	Analyzed by Babcock Laboratory	2		
MPN	Analyzed by Babcock Laboratory	2		
mg/l	Analyzed by Babcock Laboratory	2		
None	Analyzed by Babcock Laboratory	2		

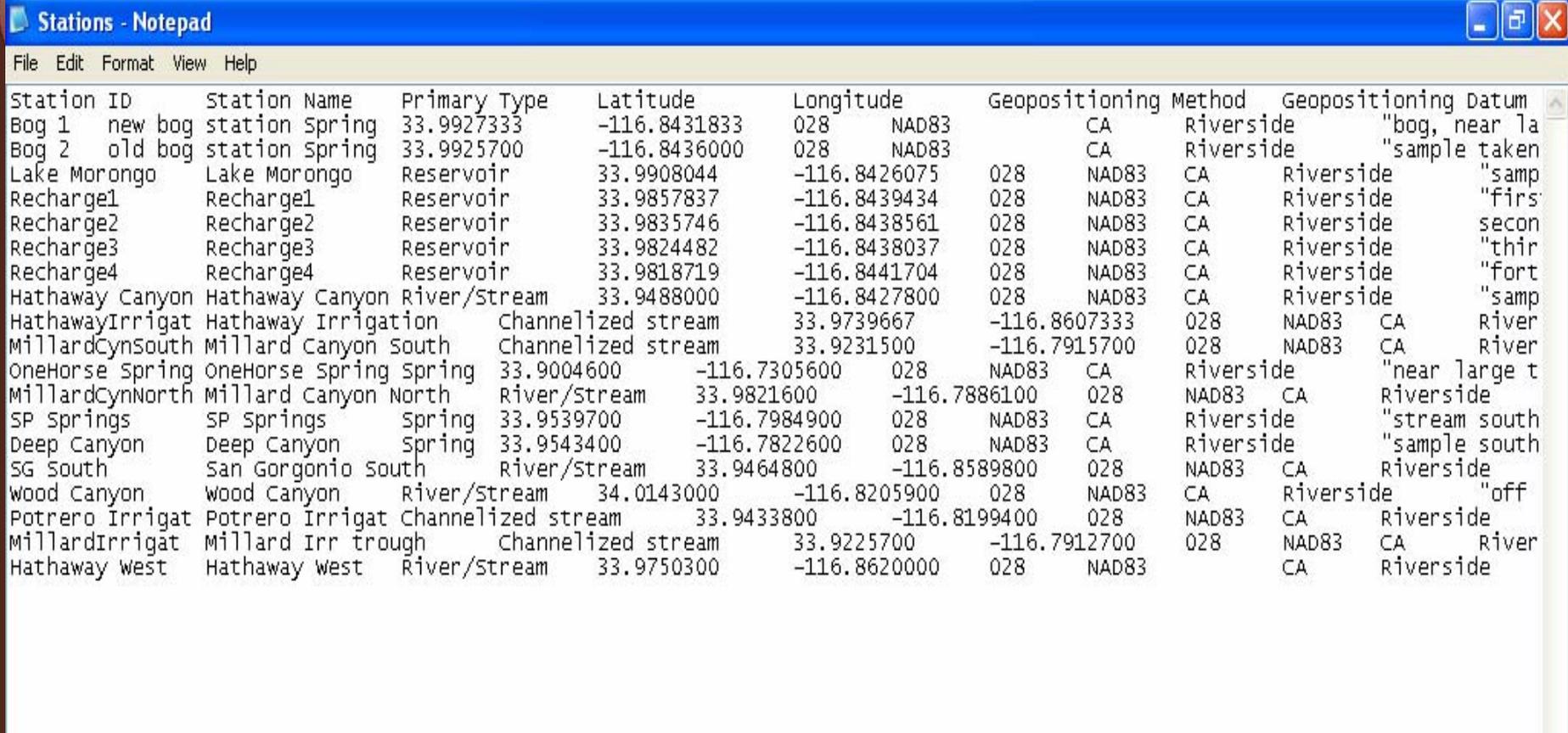
# How to sign-up for WebSIM

- **Step 1:** Provide the following information in an email to the STORET Team. The STORET Team's email address is [storet@epa.gov](mailto:storet@epa.gov).
- Contact Information:
  - First Name
  - Last Name
  - Email Address
  - Street Address
  - City
  - State
  - Zip Code
  - Phone Number
- WebSIM Organization Information:
  - WebSIM Organization ID: (Tribal user chooses this ID which can be up to 8 characters long)
  - WebSIM Organization Name:
  - Organization Procedures and Methods:
    - Field/Lab Analytical Procedures - Organization-Owned Analytical Procedures, Adopted Nat'l Procedures
    - Sample Collection/Creation Procedures
- The STORET Team will use this information to set you up to use National WebSIM.

# Using WebSIM

- Received e-mail from EPA portal with login info
- Did WebSIM tutorials
- Saved each tab as a text file
  - Projects
  - Stations
  - Results
- Able to upload the projects file successfully

# Text Files



The image shows a screenshot of a Notepad window titled "Stations - Notepad". The window contains a table with 11 columns: Station ID, Station Name, Primary Type, Latitude, Longitude, Geopositioning Method, Geopositioning Datum, and an unlabeled column. The data is as follows:

Station ID	Station Name	Primary Type	Latitude	Longitude	Geopositioning Method	Geopositioning Datum	
Bog 1	new bog station	Spring	33.9927333	-116.8431833	028 NAD83	CA	Riverside "bog, near la
Bog 2	old bog station	Spring	33.9925700	-116.8436000	028 NAD83	CA	Riverside "sample taken
Lake Morongo	Lake Morongo	Reservoir	33.9908044	-116.8426075	028 NAD83	CA	Riverside "samp
Recharge1	Recharge1	Reservoir	33.9857837	-116.8439434	028 NAD83	CA	Riverside "firs
Recharge2	Recharge2	Reservoir	33.9835746	-116.8438561	028 NAD83	CA	Riverside secon
Recharge3	Recharge3	Reservoir	33.9824482	-116.8438037	028 NAD83	CA	Riverside "thir
Recharge4	Recharge4	Reservoir	33.9818719	-116.8441704	028 NAD83	CA	Riverside "fort
Hathaway Canyon	Hathaway Canyon	River/Stream	33.9488000	-116.8427800	028 NAD83	CA	Riverside "samp
HathawayIrrigat	Hathaway Irrigation	Channelized stream	33.9739667	-116.8607333	028 NAD83	CA	Riverside River
MillardCynSouth	Millard Canyon South	Channelized stream	33.9231500	-116.7915700	028 NAD83	CA	Riverside River
OneHorse Spring	OneHorse Spring	Spring	33.9004600	-116.7305600	028 NAD83	CA	Riverside "near large t
MillardCynNorth	Millard Canyon North	River/Stream	33.9821600	-116.7886100	028 NAD83	CA	Riverside
SP Springs	SP Springs	Spring	33.9539700	-116.7984900	028 NAD83	CA	Riverside "stream south
Deep Canyon	Deep Canyon	Spring	33.9543400	-116.7822600	028 NAD83	CA	Riverside "sample south
SG South	San Gorgonio South	River/Stream	33.9464800	-116.8589800	028 NAD83	CA	Riverside
Wood Canyon	Wood Canyon	River/Stream	34.0143000	-116.8205900	028 NAD83	CA	Riverside "off
Potrero Irrigat	Potrero Irrigat	Channelized stream	33.9433800	-116.8199400	028 NAD83	CA	Riverside
MillardIrrigat	Millard Irr trough	Channelized stream	33.9225700	-116.7912700	028 NAD83	CA	Riverside River
Hathaway West	Hathaway West	River/Stream	33.9750300	-116.8620000	028 NAD83	CA	Riverside

# Troubleshooting error messages

- Stations file received an error

**At least one line in your import file contains the wrong number of fields. Check the import file to make sure that it is structured correctly.**

- Eric Wilson noticed Excel was adding blank lines
- I sent template to Eric, he sent back with changes he had made
- I was able to upload stations, but I had error messages with the results file
- I sent template to Eric, he sent me the text file which uploaded with no problem

# Data is now in STORET

- Continue to input data into the template every quarter
- I do not have plans to add any additional data from other programs
- I tried to upload my data again, but it became too time consuming
- Instead, I let Eric load the data for me
- Unsure how I will update data in the future



# Questions???

Jennifer Torres

(951) 755-5259

Jennifer\_Torres@Morongo.o  
rg