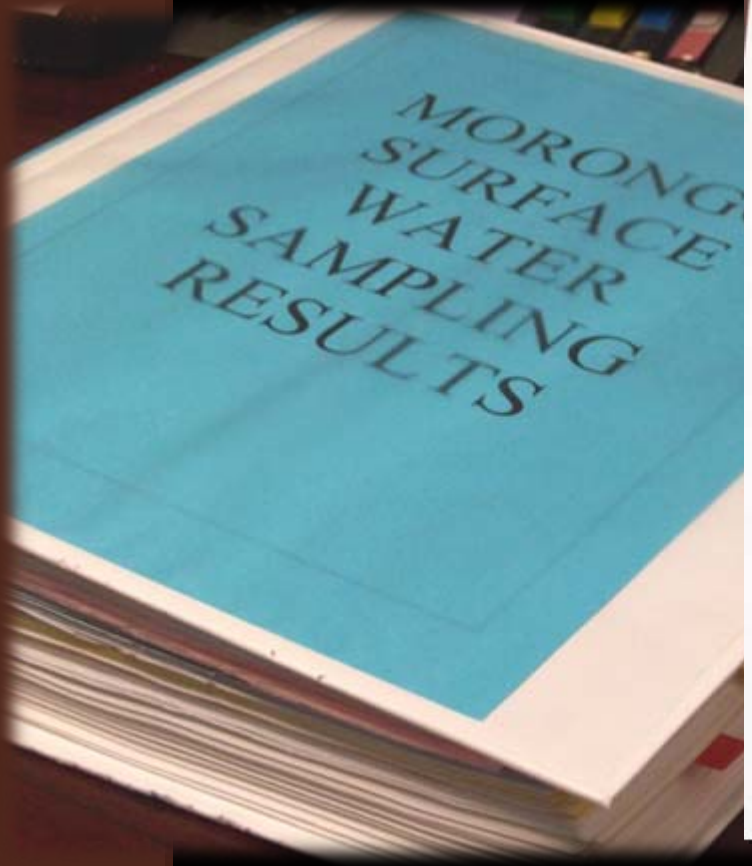
Using WebSIM

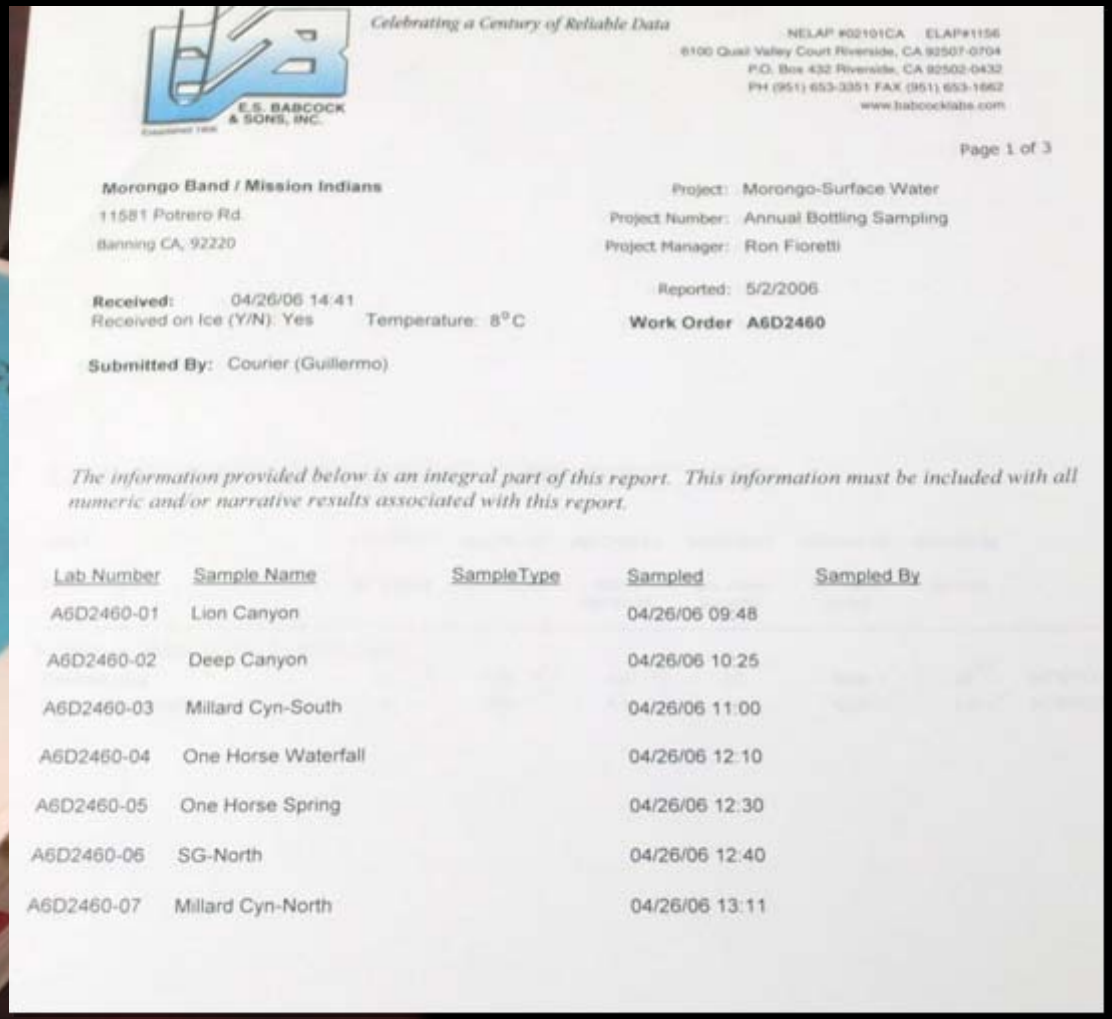
MORONGO BAND OF
MISSION INDIANS

JENNIFER TORRES,
Environmental Specialist

Types of Data

- Lab Results





E.S. BABCOCK & SONS, INC.

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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

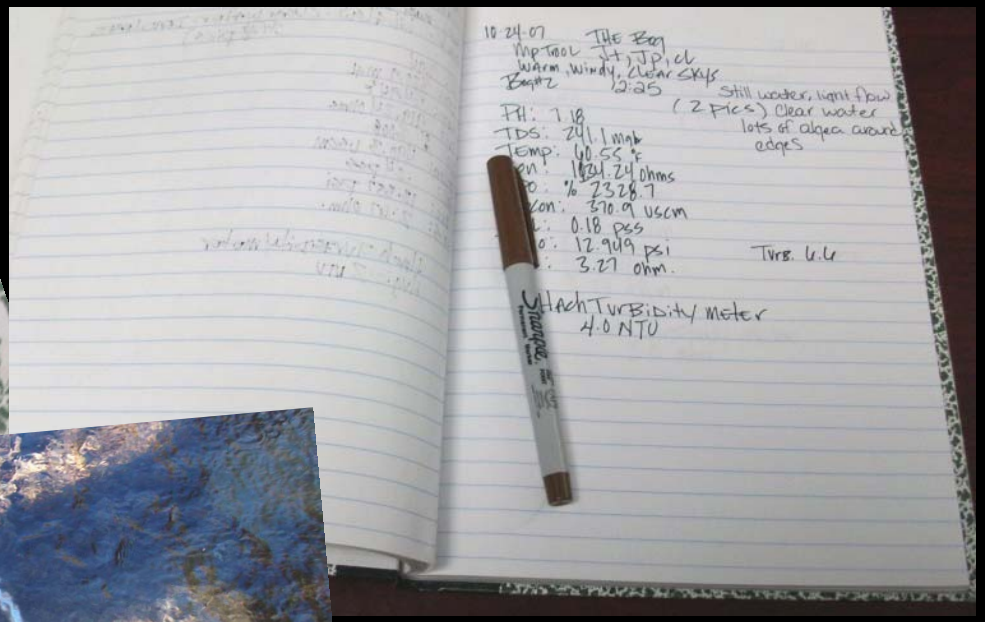
Submitted By: Courier (Guillermo)

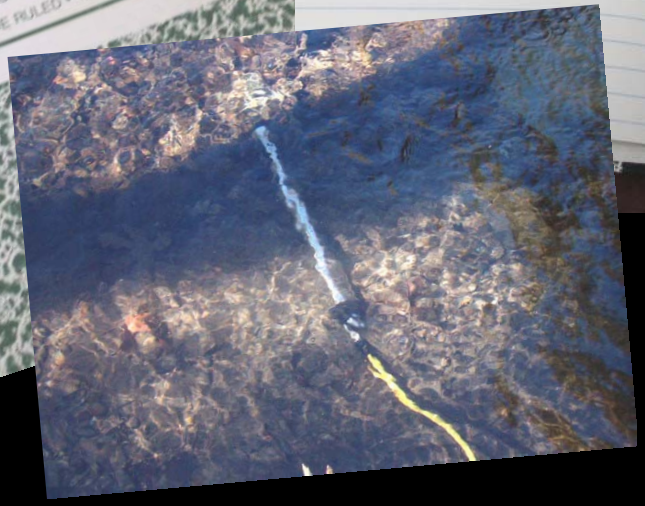
The information provided below is an integral part of this report. This information must be included with all numeric and/or narrative results associated with this report.

Lab Number	Sample Name	SampleType	Sampled	Sampled By
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
1	Sites	Ye	Month	pH pH un	Specific Conductivity uS/cm SC	Total Dissolved Solids mg/L	Turbidity NTU's	Temperature F	Salinity PSU	Conductivity uS/cm	Barometric Pressu *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								

Sheet1 Sheet2

Ready 70%

Updates of Surface ... 6/12/2008

Region 5 Template

Tab Name	Description
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
Station Columns	
Result Columns	
Projects	A template which can be used to store Project data
Stations	A template which can be used to store Station data
Results	A template which can be used to store Results data
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
Allowed Values - Results	Shows what the STORET Allowable Values are for various Result-related data elements
Non-Taxa Characteristics	A listing of all available characteristics in STORET at this time not including taxa (biological) ch Also indicates whether or not STORET requires a Sample Fraction or Field/Lab Analytical Pro both) for a particular characteristic.
Nat. Analytical Procedures	A listing of all available "built-in" Field/Lab Analytical Procedures in STORET.
Units of Measure	A listing of all available Units of Measure in STORET.
National Citations	A listing of all available "built-in" Citations in STORET

24 Choices in Template for Nitrogen

Nitrogen ion (N) Nitrogen and argon (unspecified mix)
Nitrogen dioxide
Nitrogen gas (N2)
Nitrogen ion (N)
Nitrogen ion (N3)
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
Nitrogen, Nitrate (N03) as N03
Nitrogen. Nitrite (N02) as N
Nitrogen, Nitrite (N02) as N02
Nitrogen, organic
Nitrogen-15

Region 5 Template

Lab Analyte	Characteristic Name from Template
Nitrate as N	Nitrogen, Nitrate (NO3) as NO3
Nitrite as N	Nitrogen, Nitrite (NO2) as N
Ammonia-Nitrogen	Nitrogen, Ammonia as N
Kjeldahl Nitrogen	Nitrogen, Kjeldahl
Total Nitrogen	Nitrogen, mixed forms

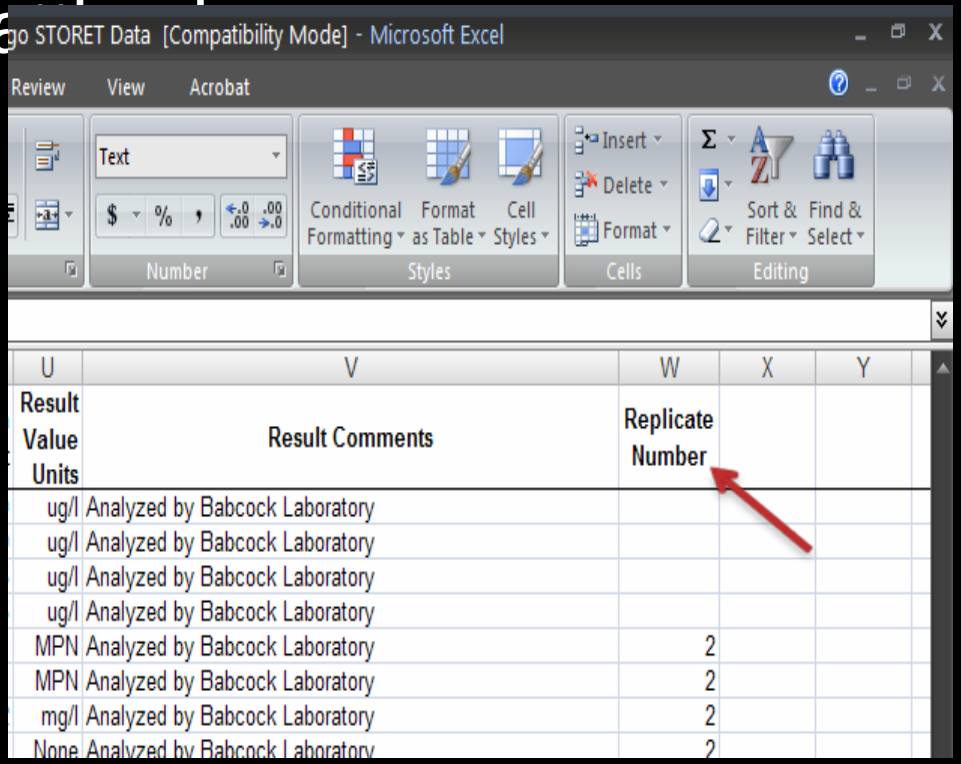
(NH3 rganic+(NO2)+(NO3)

From Lab Report

From Template

EPA Submittal

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



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.
- 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

Stations - Notepad

File Edit Format View Help

```
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      River
MillardCynSouth Millard Canyon South    Channelized stream      33.9231500      -116.7915700    028     NAD83   CA      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      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???

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Jennifer_Torres@Morongo.org