

Niche Portals

Filling the Gap between Large-Scale Data Servers and the Needs of User Groups

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Reach Data Services | A Division of North Jackson Company



What is a Niche Portal?

Streamlined web tool or set of tools
focused on a specific:

- Region
- Program
- Message



✧ Key is that it addresses an unmet need

Why People Like Niche Portals

- Serve locally important data
- Assemble disparate datasets
- Facilitate focused data exploration
- Provide a home for available regional data
- Provide a home for Citizen data



Perceived Barriers

- Cost
- Risk
- Control



Rapid Evolution of Technology

Significant advances in:

- ✓ Browsers
- ✓ Software
- ✓ Internet connections
- ✓ Hardware graphic capabilities



Build It, Buy It, or Subscribe (Co-Op)

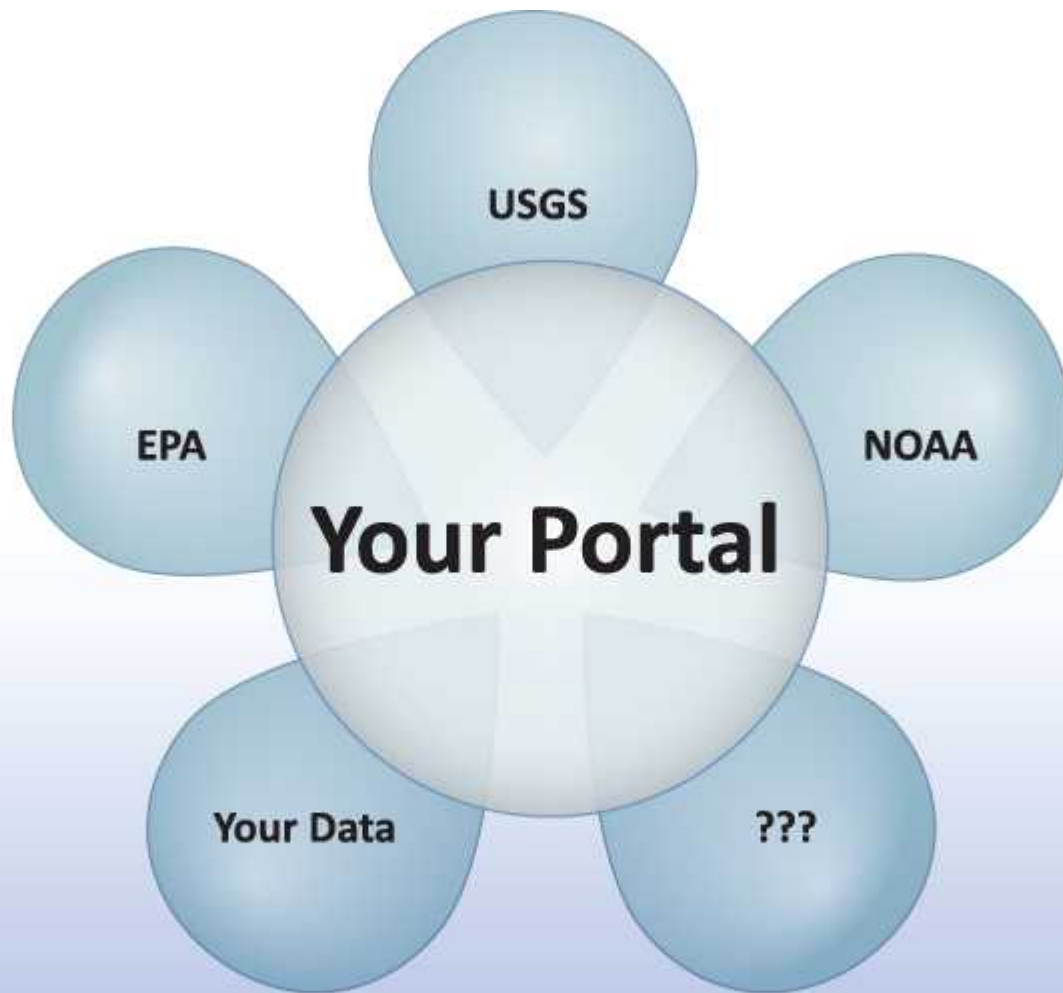
	Develop In-House	Hybrid	Subscribe
Hardware	✓		
Software	✓	✓	
Programmers	✓	✓	
IT Support	✓	✓	
Program Manager	✓	✓	✓

Don't Forget

maintain { main·tain [meyn-teyn] }
verb (used with object)

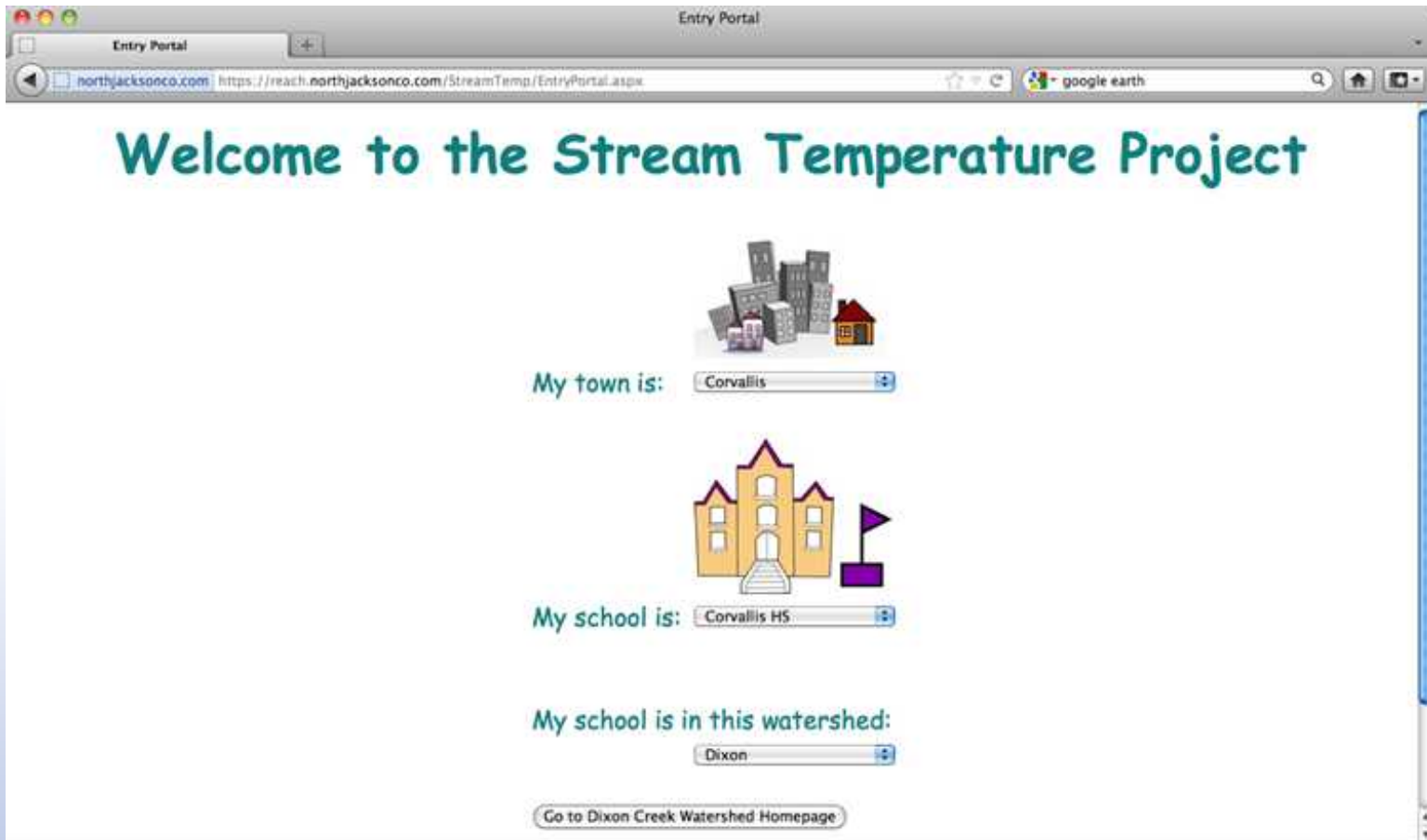
to keep in an appropriate condition, operation,
or force; keep unimpaired: *to maintain order;*
to maintain public highways.

Pulling Together Diverse Datasets



Support Outreach

Simple Portal Geared Toward a Single Parameter




Entry Portal


Entry Portal

northjacksonco.com | https://reach.northjacksonco.com/StreamTemp/EntryPortal.aspx

google earth

Welcome to the Stream Temperature Project


My town is:

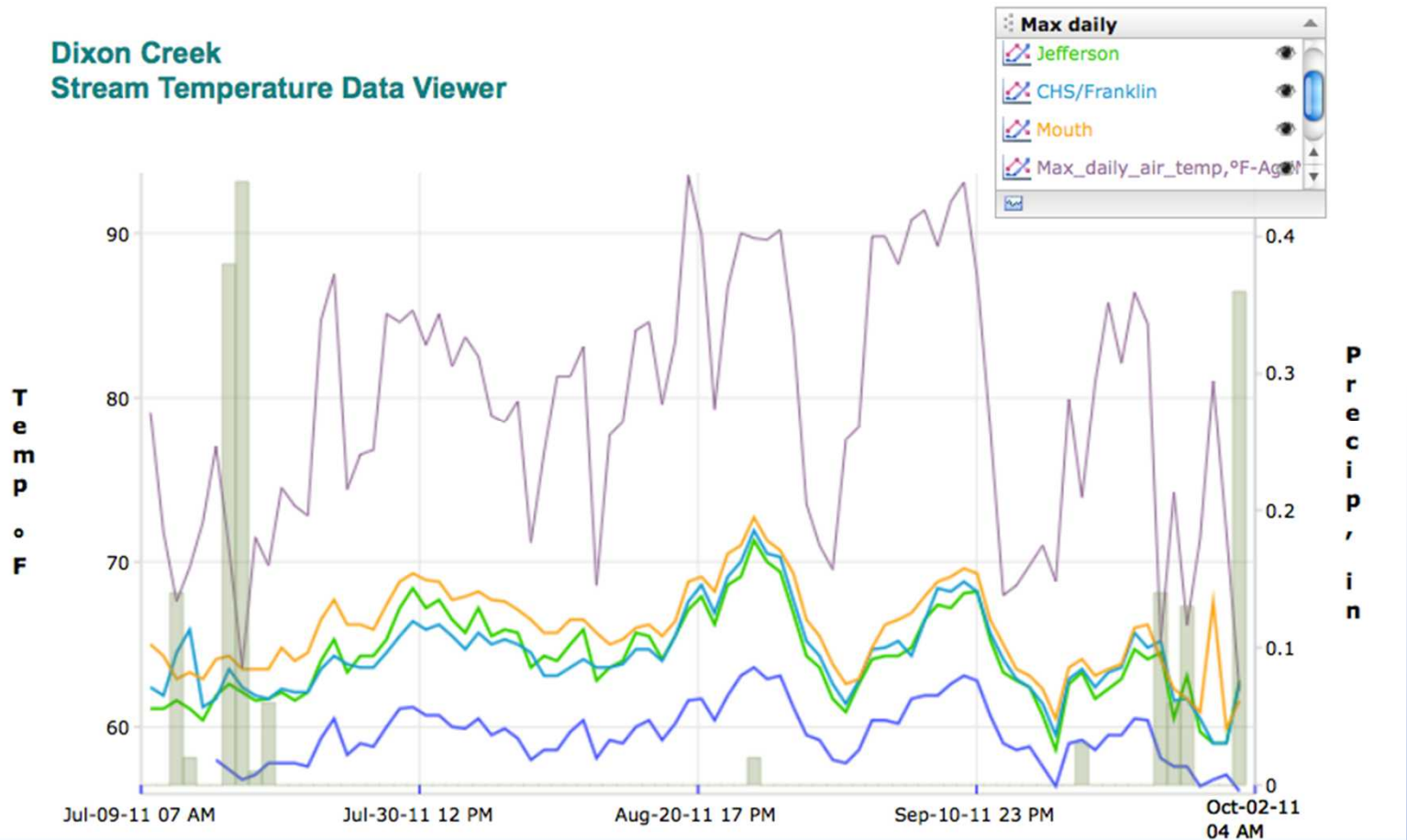

My school is:

My school is in this watershed:

[Go to Dixon Creek Watershed Homepage](#)

Combines Citizen & NOAA Data

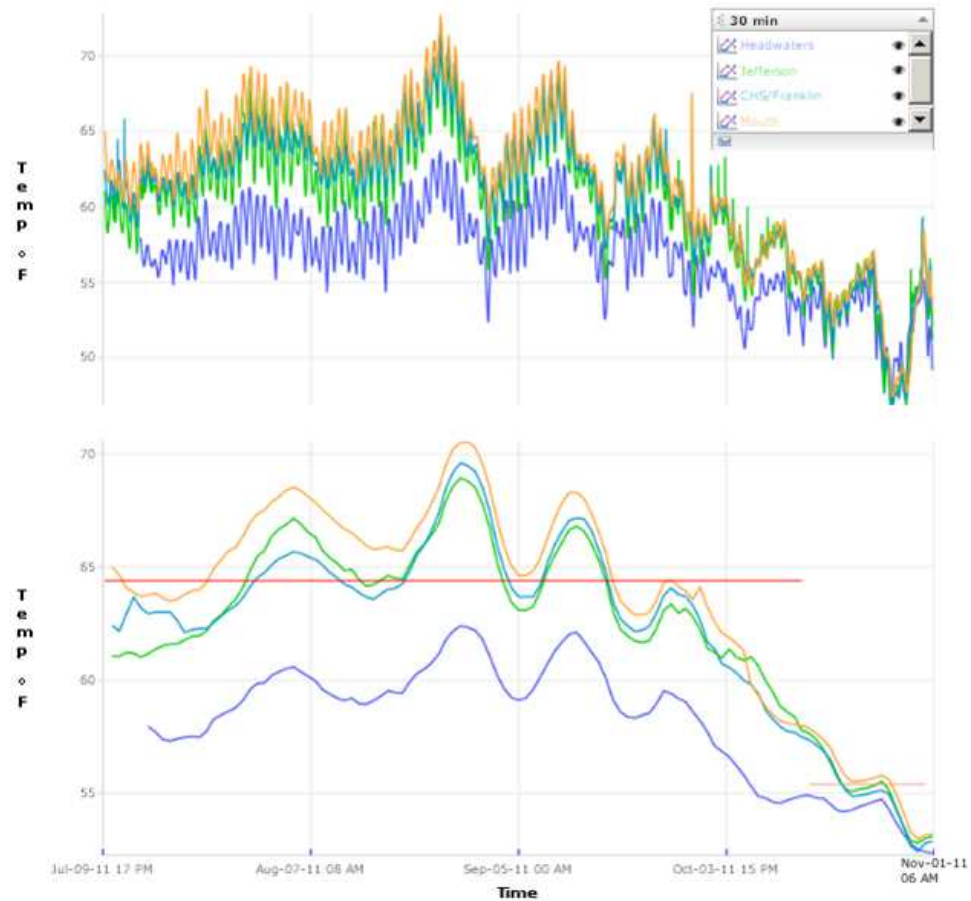
Dixon Creek Stream Temperature Data Viewer



From Data to Information

Data Conversions on the Fly Facilitate Discovery

Dixon Creek
Stream Temperature Data Viewer



Forecasting



Your **National Weather Service** forecast



Portland OR

Enter Your "City, ST" or zip code

Go

BOOKMARK ...

NWS Portland, OR










[Mobile Weather Information](#) | [En Español](#)

Point Forecast: Portland OR
45.53°N 122.67°W (Elev. 200 ft)

Last Update: 9:08 am PDT May 2, 2012

Forecast Valid: 11am PDT May 2, 2012-6pm PDT May 8, 2012

Forecast at a Glance

Today	Tonight	Thursday	Thursday Night	Friday	Friday Night	Saturday	Saturday Night	Sunday
								
20% Slight Chc Showers Hi 59 °F	80% Rain Lo 47 °F	100% Showers Hi 56 °F	70% Showers Likely Lo 44 °F	60% Showers Likely Hi 56 °F	50% Chance Showers Lo 43 °F	20% Slight Chc Showers Hi 58 °F	Partly Cloudy Lo 45 °F	Mostly Sunny Hi 65 °F

ETL (Excess Thermal Load) Forecaster

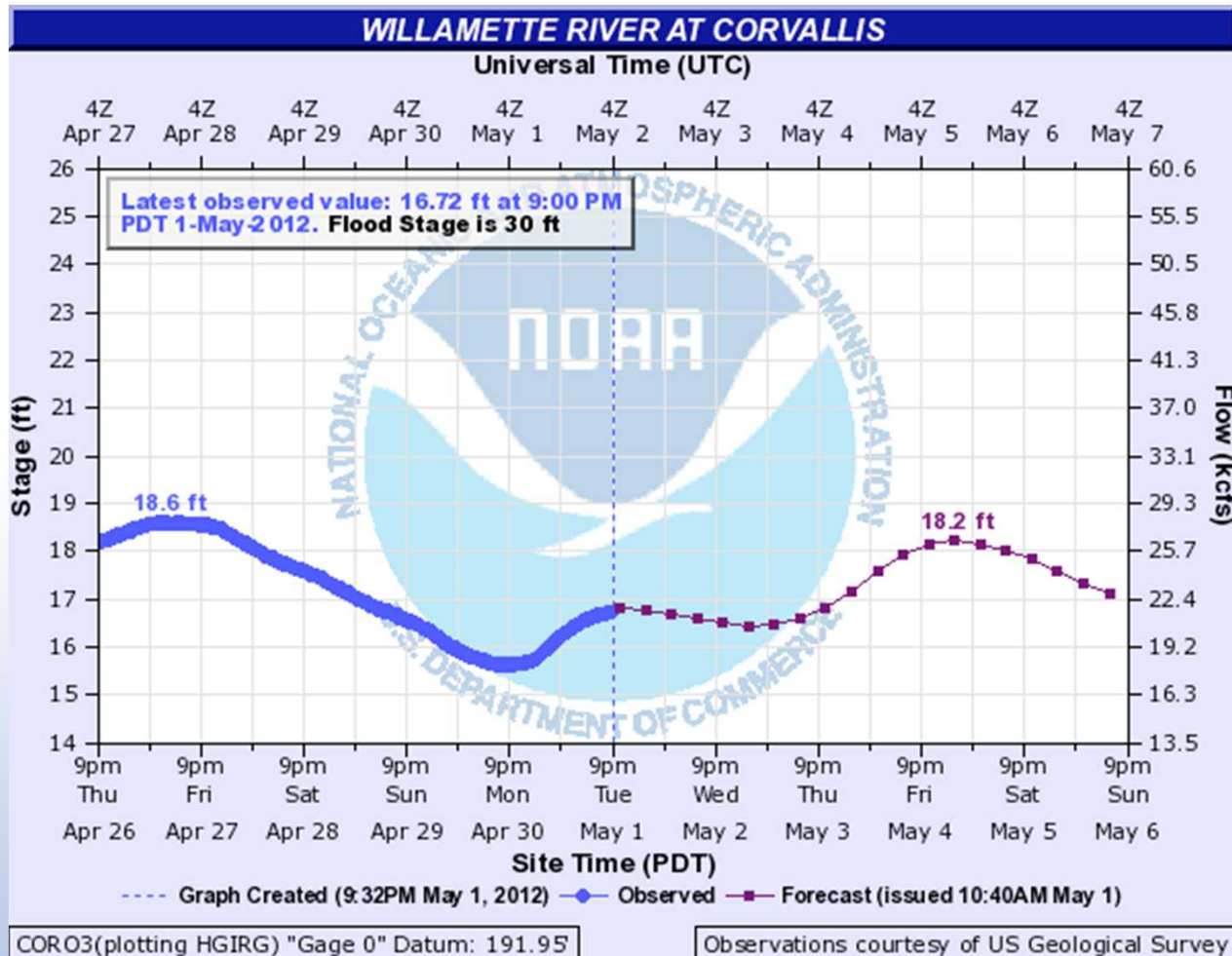


Welcome to the REACH System for the
Corvallis Wastewater Treatment Plant

Log In	
User Name:	CorvallisWWTP
Password:	*****
<input type="checkbox"/> Remember me next time.	
<input type="button" value="Log In"/>	

ETL (Excess Thermal Load) Forecaster

NOAA Flow Forecasts



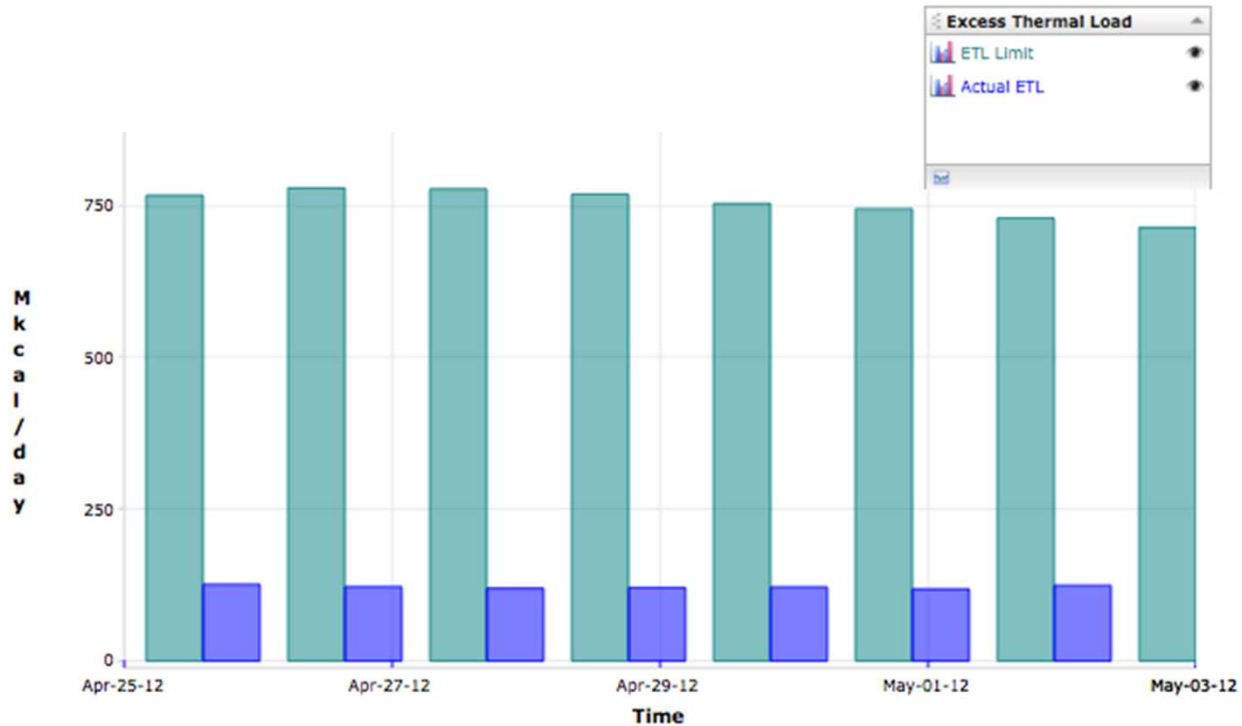
ETL (Excess Thermal Load) Forecaster

Relies on USGS Water Temperature & NOAA Flow Forecasts

Effluent Flow Tracker

Today's (5/3/2012) Forecasted ETL Limit (Mkcal/day): 715

Forecasted Max Allowable Effluent Flow (MGD): 411



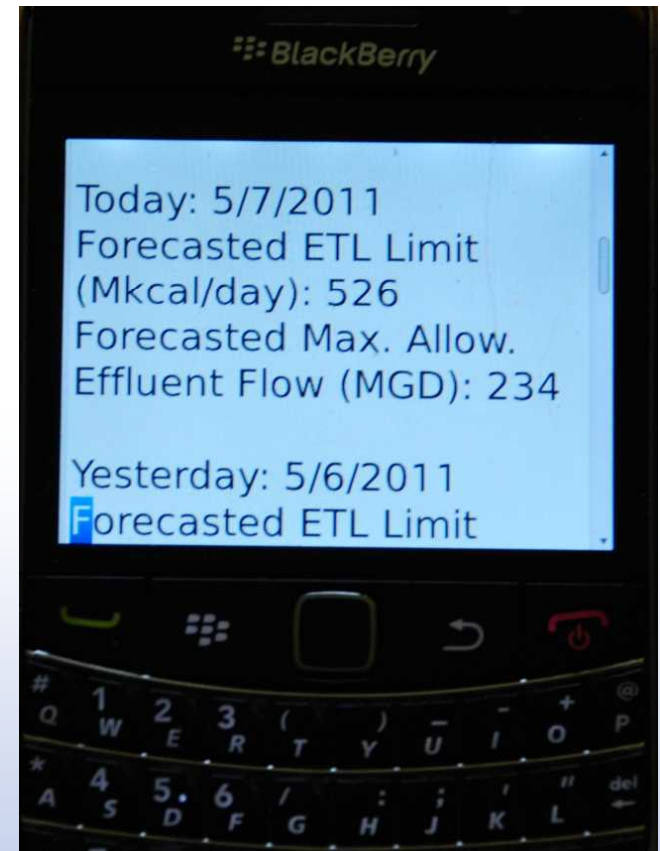
Print Page

Print Chart Only

Send Alerts, Automate Reporting

Date	T_RA_A	T_RM_A	Average	Maximum	Average
	Average	Maximum			
	Daily Ambient River Temp (C)	Daily Ambient River Temp (C)	Daily Effluent Flow (MGD)	Daily Effluent Temp (C)	Daily Ambient River Flow (cfs)
2011/08/01	20	20.9	5.89	21.67	5743
2011/08/02	20	20.9	5.88	21.41	5788
2011/08/03	19.7	20.5	5.97	21.47	5770
2011/08/04	19.8	20.7	5.91	21.79	5688
2011/08/05	19.5	20.2	5.74	21.72	5585
2011/08/06	19.1	19.7	5.33	21.72	5606
2011/08/07	19.2	20.1	5.47	21.56	5748
2011/08/08	18.6	19.8	5.69	20.93	5736
2011/08/09	17.9	18.6	5.71	21.12	5627
2011/08/10	18.3	19.4	5.76	21.34	5637
2011/08/11	18.9	19.6	5.68	21.47	5664
2011/08/12	19	19.7	5.47	21.77	5592
2011/08/13	18.3	19.3	5.13	21.02	5639
2011/08/14	17.9	18.7	5.22	23.96	5648
2011/08/15	18.4	19.4	5.8	21.09	5627
2011/08/16	18.7	19.6	5.72	21.56	5676
2011/08/17	18.8	19.5	5.59	21.67	5604
2011/08/18	18.6	19.3	5.51	21.54	5543
2011/08/19	18.7	19.5	5.44	21.61	5551
2011/08/20	19	19.8	5.1	21.97	5562
2011/08/21	19.5	20.3	5.38	22.32	5551
2011/08/22	19.5	20.2	6.5	21.74	5624
2011/08/23	19.9	20.7	4.83	23.02	5487
2011/08/24	20.1	20.6	5.4	28.77	5700
2011/08/25	20	20.5	5.81	22.92	5777
2011/08/26	20.1	20.8	5.42	23.07	5840
2011/08/27	20.1	20.7	5.11	22.94	5879
2011/08/28	19.5	20.3	5.14	23.42	5879
2011/08/29	18.7	19.6	5.47	21.66	5906
2011/08/30	17.9	18.8	5.47	21.44	6163
2011/08/31	16.4	17	5.34	20.86	6020

Export DEQ table to Excel



Source Protection Program

Water Chemistry Data Sharing & Exploration

The screenshot displays the McKenzie Water Quality website interface. At the top, the browser address bar shows the URL <https://reach.northjacksonco.com/eweb/WaterQuality/WaterQuality.aspx>. The website header features the EWEB logo and the text "EUGENE WATER & ELECTRIC BOARD". Below the header, a navigation menu includes "Home", "Data Exploration", "Baseline Data", "Storm Event Data", "Data Download", and "Map".

The main content area is divided into two sections. On the left, a "Find monitoring locations" panel allows users to filter data based on "that have" (Samples, Detections, Exceedances) and "for a period of" (Full record (1950--), Prior 2000, Post 2000, Custom). A dropdown menu is set to "Lead, total". Below this is a "Query results:" table.

Location	Analyte	Sampled	Detected	Exceeded	Min
E010	Lead, total	51	2	0	1.11
E01M	Lead, total	21	0	0	
E020	Lead, total	27	1	0	1.41
E02M	Lead, total	21	1	0	3.66
E050	Lead,	4	0	0	

On the right, a map shows the McKenzie River watershed with various monitoring locations marked with blue squares and labeled with codes such as E010, E01M, E020, E02M, E050, E080, E090, E093, E095, E102, E130, E140, E170, E180, E182, E183, E184, E186, E187, E188, E189, E200, E203, E204, E205, E206, E207, E208, E209, E210, E211, E212, E213, E214, E215, E216, E217, E218, E219, E220, E221, E222, E223, E224, E225, E226, E227, E228, E229, E230, E231, E232, E233, E234, E235, E236, E237, E238, E239, E240, E241, E242, E243, E244, E245, E246, E247, E248, E249, E250, E251, E252, E253, E254, E255, E256, E257, E258, E259, E260, E261, E262, E263, E264, E265, E266, E267, E268, E269, E270, E271, E272, E273, E274, E275, E276, E277, E278, E279, E280, E281, E282, E283, E284, E285, E286, E287, E288, E289, E290, E291, E292, E293, E294, E295, E296, E297, E298, E299, E300, E301, E302, E303, E304, E305, E306, E307, E308, E309, E310, E311, E312, E313, E314, E315, E316, E317, E318, E319, E320, E321, E322, 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E987, E988, E989, E990, E991, E992, E993, E994, E995, E996, E997, E998, E999, E1000.

Display and Query Your Data

McKenzie Water Quality

https://reach.northjacksonco.com/eweb/WaterQuality/WaterQuality.aspx

google earth

EWEB EUGENE WATER & ELECTRIC BOARD

McKenzie Water Quality Data Powered by North Jackson Company

Home | Data Exploration | Baseline Data | Storm Event Data | Data Download | Map

Find monitoring locations

that have

- Samples
- Detections
- Exceedances

for a period of

- Full record (1950--)
- Prior 2000
- Post 2000
- Custom

for a parameter or group of parameters

Lead, total

Locate

Query results:

Location	Analyte	Sampled	Detected	Exceeded	Min	Max
E210	Lead, total	53	1	1	25	25
E690	Lead, total	46	11	2	0.14	17

Table of Contents

Zoom In | Zoom Out | Full Extent | Prev Extent | Next Extent | Pan | Deactivate

Switch Basemap

Storm Event Data Viewer

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[Data Exploration](#)

[Baseline Data](#)

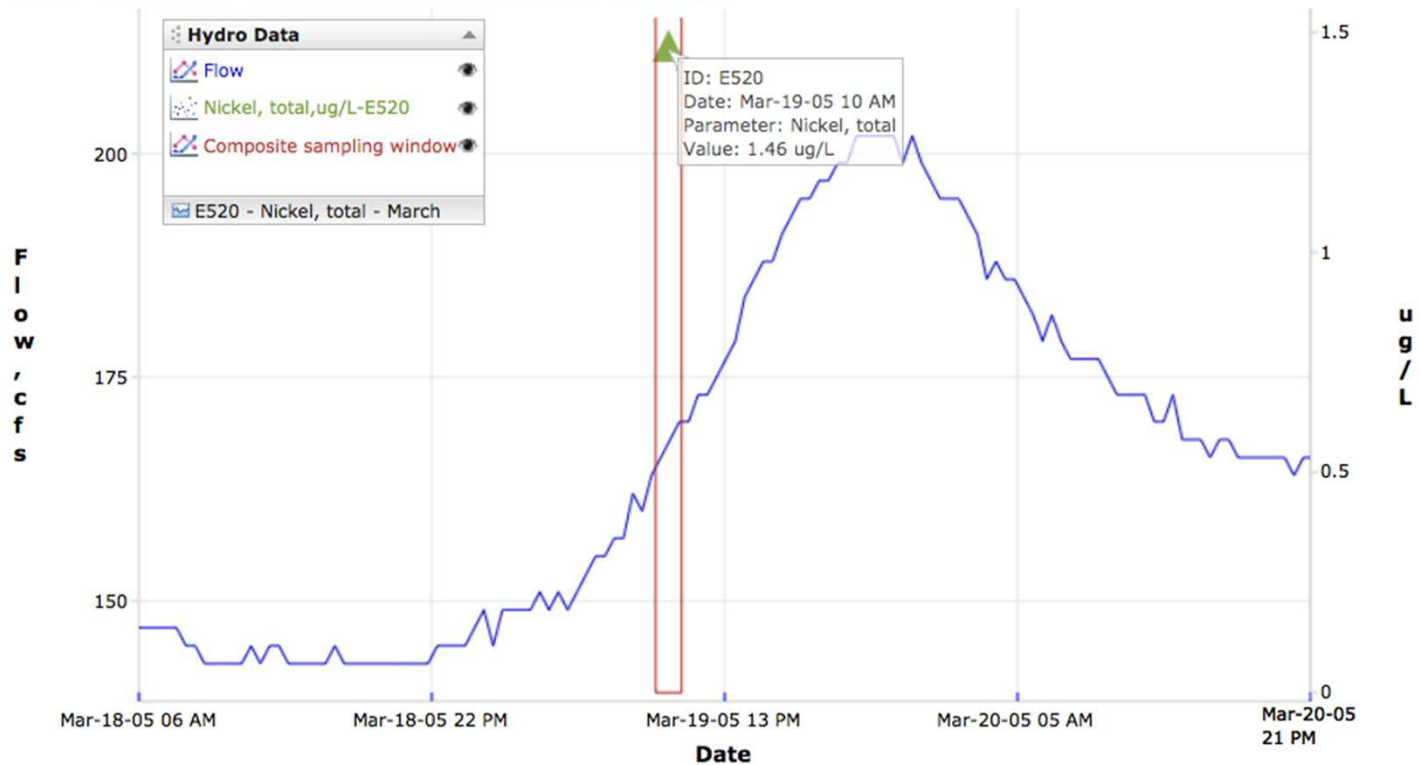
[Storm Event Data](#)

[Data Download](#)

[Map](#)

[Show Help](#) | [Hide Help](#)

E520 - Nickel, total - March 2005 Late Winter Storm - Composite



Contact Information

**Thank you.
Questions?**

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