

**Indicator Name:**

<b>Source Name:</b>
<b>Source Link (Idaho SWSI):</b>
<b>Source Link (Idaho Groundwater):</b>
<b>Source Link (Idaho Impaired Water):</b>
<b>Source Link (EPA Impaired Water):</b>
<b>Source Link (Wyoming SWSI):</b>
<b>Source Link (Wyoming Groundwater):</b>
<b>Source Link (Wyoming Impaired Water):</b>
<b>Unit of Measure:</b>
<b>Frequency of Data Availability:</b>
<b>Data Scale:</b>
<b>Other Notes/Comments:</b>
<b>Calculation/Collection Instructions:</b>
<b>Data Collector:</b>
<b>Date of Last Collection:</b>

**Impaired Water Collection Notes**

Used EPA website to identify appropriate watershed(s) and copied and pasted impaired stream miles.

**Groundwater Level Collection Notes**

All wells in hydro online in Teton County have poor quality records. FTR has self-identified as having representative wells.

**SWSI Collection Notes**

Identified for August after snowmelt.

**Impaired Water Collection Notes**

Used EPA website to identify appropriate watersheds and copied and pasted impaired stream miles.

**Groundwater Level Collection Notes**

Identified an Institutional well with many readings and entered the values for the most common month recorded on an annual basis

**SWSI Collection Notes**

Identified for August after snowmelt

## Healthy Waters

Idaho Department of Water Resources (groundwater levels), Natural Resource Conservation Service (Surface Water Supply Index (SWSI)), Environmental Protection Agency and Departments of Environmental Quality (Impaired Waters)
<a href="http://www.nrcs.usda.gov/wps/portal/nrcs/detail/id/snow/?cid=stelprd1240689">http://www.nrcs.usda.gov/wps/portal/nrcs/detail/id/snow/?cid=stelprd1240689</a>
<a href="http://www.idwr.idaho.gov/hydro.online/gwl/">http://www.idwr.idaho.gov/hydro.online/gwl/</a>
<a href="https://www.deq.idaho.gov/water-quality/surface-water/monitoring-assessment/integrated-report.aspx">https://www.deq.idaho.gov/water-quality/surface-water/monitoring-assessment/integrated-report.aspx</a>
<a href="http://iaspub.epa.gov/waters10/attains_nation_cy.control?p_report_type=T">http://iaspub.epa.gov/waters10/attains_nation_cy.control?p_report_type=T</a>
<a href="http://www.wrds.uwyo.edu/wrds/nrcs/swsimap/swsimap.html">http://www.wrds.uwyo.edu/wrds/nrcs/swsimap/swsimap.html</a>
<a href="http://seo.wyo.gov/ground-water">http://seo.wyo.gov/ground-water</a>
<a href="http://deq.state.wy.us/wqd/watershed/">http://deq.state.wy.us/wqd/watershed/</a>
This composite indicator is a measure of depth to groundwater in feet, surface water supply (index), and impaired water quality in stream miles.
Other
Watershed/well
Finding data for an appropriate groundwater well may be limited by monitoring well frequency and availability in a given area. Working with local agencies in addition to the Department of Water Resources may uncover additional wells or may necessitate the establishment of new monitoring sites.  SWSI values should be measured at the same time every year, and agencies might find it useful to also save the generated flow trend graphs to provide discrete information on surface water supply at a given location.
See notes for collection examples below. Once collected, values are graphed separately to get a sense of overall relation while maintaining different scales.
Brendle Group
3/31/15

### Healthy Water Metrics

Fremont County-Impaired Waters (miles)
Fremont County-Groundwater Levels (depth in feet)
Fremont County-SWSI
Madison County-Impaired Waters (miles)
Madison County-Groundwater Levels (depth in feet)
Madison County-SWSI
Teton County, ID-Impaired Waters (miles)
Teton County, ID-Groundwater Levels (depth in feet)

Teton County, ID-SWSI
Teton County, WY-Impaired Waters (miles)
Teton County, WY-Groundwater Levels (depth in feet)
Teton County, WY-SWSI
City, State-Impaired Waters (miles)
City, State-Groundwater Levels (depth in feet)
City, State-SWSI

**Data Collection: Teton County, ID**

**2012-Impaired Waters**

<b>Watershed-Teton</b>
<a href="#">Other Flow Regime Alterations</a>
<a href="#">Sedimentation/Siltation</a>
<a href="#">Temperature, Water</a>
<a href="#">Low Flow Alterations</a>
<a href="#">Escherichia Coli (E. Coli)</a>
<a href="#">Nitrogen, Nitrate</a>
<a href="#">Physical Substrate Habitat Alterations</a>
<a href="#">Combined Biota/Habitat Bioassessments (Streams)</a>
<a href="#">Phosphorus, Total</a>
<a href="#">Fecal Coliform</a>
<b>Total</b>

**Data Collection: Fremont County**

**2012-Impaired Waters**

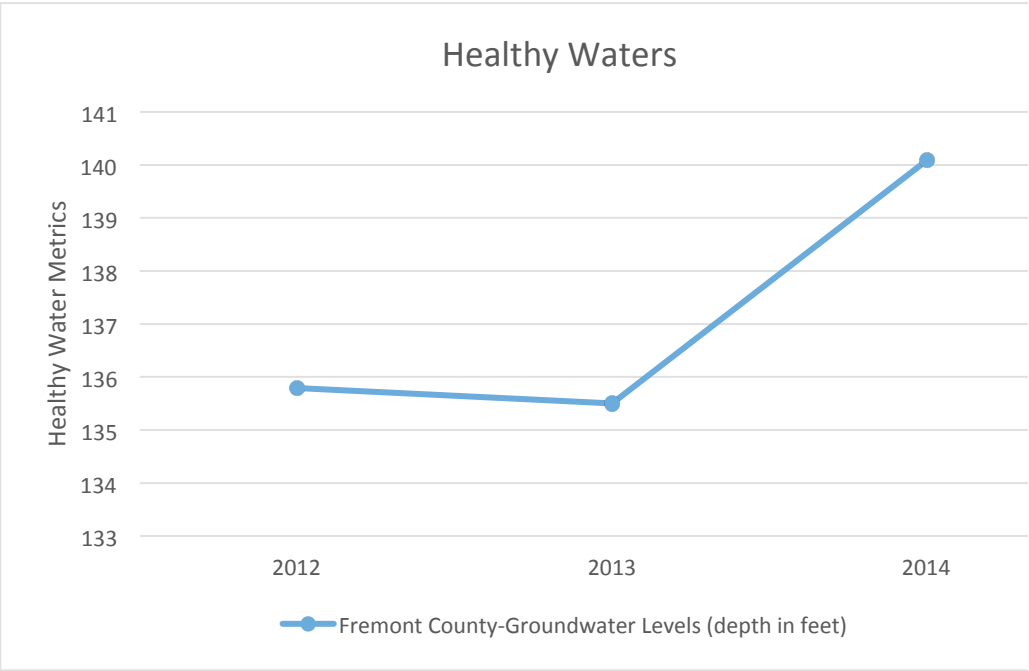
<b>Watershed-Upper Henrys Fork</b>
<a href="#">Sedimentation/Siltation</a>
<a href="#">Temperature, Water</a>
<a href="#">Escherichia Coli (E. Coli)</a>
<a href="#">Combined Biota/Habitat Bioassessments (Streams)</a>

**Watershed- Lower Henrys Fork**

<a href="#">Sedimentation/Siltation</a>
<a href="#">Low Flow Alterations</a>
<a href="#">Escherichia Coli (E. Coli)</a>
<a href="#">Combined Biota/Habitat Bioassessments (Streams)</a>
<a href="#">Phosphorus, Total</a>

**2012**

<b>Metric</b>
<a href="#">Total Impaired Miles</a>
<a href="#">Groundwater Level</a>
<a href="#">SWSI</a>



2012	2013	2014	2015
469	0		135.5
136	135.5		140.09
0.5	-3.9		

Rivers and Streams (Miles)	
	77
	186.8
	68.2
	21.8
	10.4
	9
	51.2
	27
	66.4
	49.8
	<b>567.6</b>

**Groundwater Levels**  
see note

**SWSI**

Watershed- Teton	SWSI Index	
	Aug-13	-1
	Aug-12	-2

Rivers and Streams (Miles)	
	30.7
	183.2
	3.4
	61.1

**Groundwater Levels**

Well Number: 07N 40E 02BBB1	Depth	
	4/19/12	135.79
	4/11/13	135.5
	4/16/14	140.09

**Rivers and Streams (Miles)**

**SWSI**



17
17
64.7
74.6
17

Measure
468.7
135.79
0.5

Watershed- Henry's Fork	SWSI Index
Aug-13	-3.9
Aug-12	0.5

**2013**

Metric	Measure
<a href="#">Total Impaired Miles</a>	
<a href="#">Groundwater Level</a>	135.5
<a href="#">SWSI</a>	-3.9



2016	2017	2018	2019	2020

