WYOMING STATE GEOLOGICAL SURVEY
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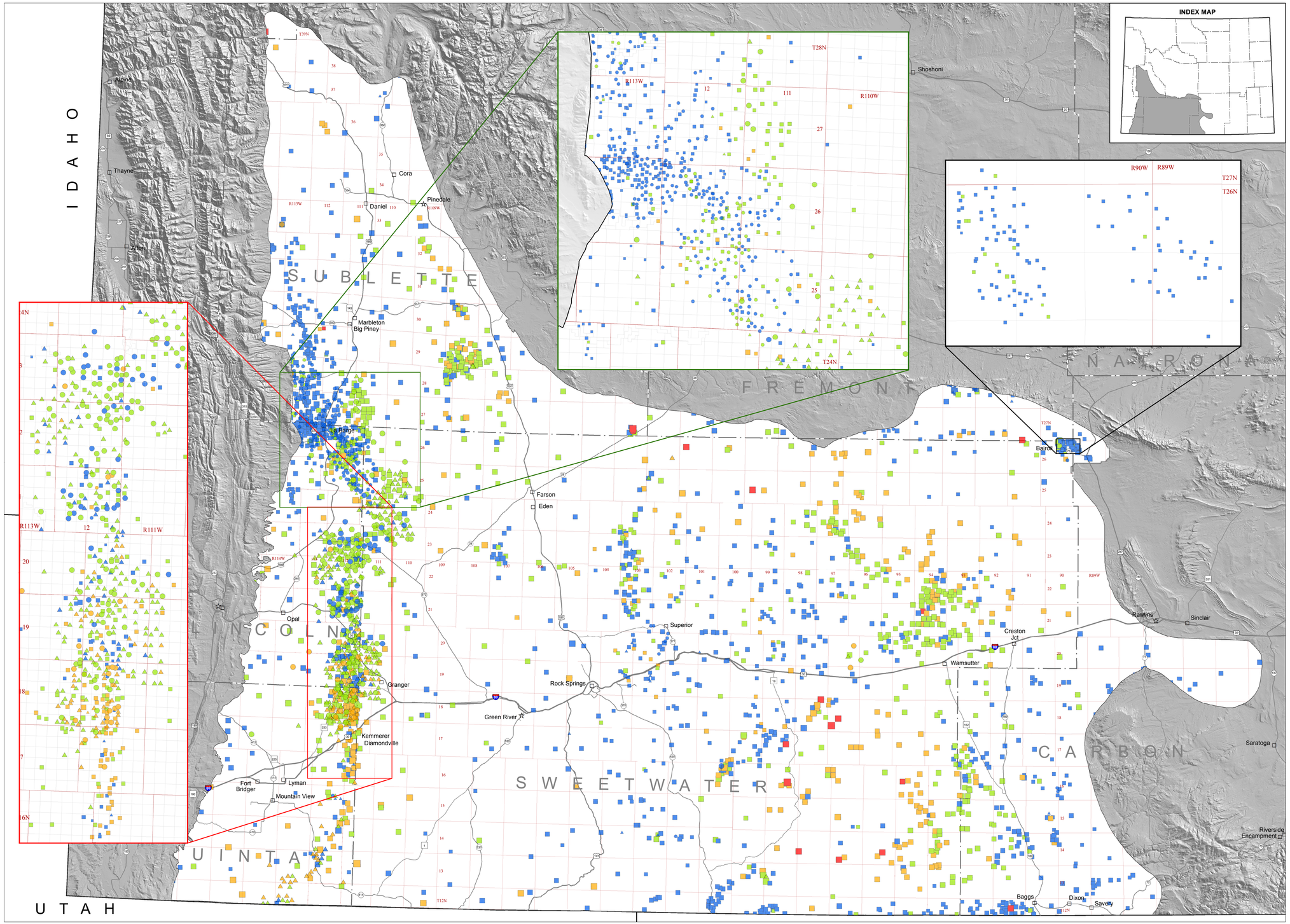
Geology - Interpreting the past - providing for the future

WSGS WEB MAP
Bottom Hole Temperatures
Greater Green River Basin, Wyoming



Reported Bottom Hole Temperatures, Greater Green River Basin, Wyoming

Compiled by
John P. Flaherty and Seth J. Wittke
December, 2013

N

Scale 1:500,000

0 6 12 18 24 30 36 Kilometers

0 2 4 6 12 18 24 Miles

EXPLANATION

Frontier Formation

DEPTH (ft)	TEMP (°F)
<10,000	<170
10,001 - 20,000	171 - 212
20,001 - 25,000	213 - 300
	301 - 425

Dakota Formation

DEPTH (ft)	TEMP (°F)
<10000	<170
10001 - 20000	171 - 212
20001 - 25000	213 - 300
	301 - 425

Various Formations

DEPTH (ft)	TEMP (°F)
<10,000	<170
10,001 - 20,000	171 - 212
20,001 - 25,000	213 - 300
	301 - 425

Base Data

- Capital
- County seat
- Town
- Interstate highway
- US highway
- State highway
- County or other road
- County boundary
- State boundary
- Township boundary
- Approximate basin boundary

NOTICE TO USERS OF BOTTOM HOLE DATA ORIGIN/STATUS

Bottom Hole Temperatures (BHT) taken from well log header files found at the Wyoming Oil and Gas Conservation Commission (WOGCC - http://wogcc.state.wy.us/) have not been corrected or checked for accuracy. This map shows temperatures and depths for the two formations/units with the greatest available BHT data and for a third group of units which combines all remaining records. The specific BHT data used to create the map can be found in the National Geothermal Data System (http://repository.usgin.org/collection).

BASE MAP REFERENCES

Bureau of Land Management, 2011, Cadastral National Spatial Data Infrastructure (CadNSDI) Public Land Survey System (PLSS) for Wyoming, at http://www.geocommunicator.gov/geocomm/lsis_home/home /index.htm .

U.S. Census Bureau, 2010, Cartographic boundary files—states at 1:500,000, at http://www.census.gov/geo/maps-data/data/cbf/cbf_state.html.

U.S. Geological Survey, 2002, The National Elevation Dataset: Photogrammetric Engineering and Remote Sensing, v. 68, no. 1, at http://ned.usgs.gov.

Wyoming Geographic Information Science Center , 1996, Cities, towns, census designated places of Wyoming at 1:100,000, at http://piney.wygisc.uwyo.edu/data/society/city.zip .

Wyoming Geographic Information Science Center, 1997, County boundaries for Wyoming at 1:100,000, at http://piney.wygisc.uwyo.edu/data/boundary/county.zip .

Wyoming Geographic Information Science Center, 1997, State boundary of Wyoming at 1:100,000, at http://piney.wygisc.uwyo.edu/data/boundary/state_bnd.zip .

Wyoming Geographic Information Science Center, 1997, Wyoming roads at 1:100,000, at http://piney.wygisc.uwyo.edu/data/transportation/road100k.zip .

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Map Projection: Lambert Conformal Conic
False Easting: 500000, False Northing: 200000
Central Meridian: -107.5 degrees
Standard Parallel 1: 41 degrees North
Standard Parallel 2: 45 degrees North
Latitude Of Origin: 41 degrees North
Linear Unit: Meter
Horizontal Datum: North American Datum of 1983 (NAD 83)
National Geodetic Vertical Datum of 1929

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