

Bob Smith's Suggested Yellowstone-Teton Web Sites for useful web tools and information on the Yellowstone-Teton geologic system.

Brought to you by the University of Utah Yellowstone Seismology and Active Tectonics Research Group

No doubt this list is incomplete and links change sporadically, etc., perhaps you could think of some to email to me.

Bob Smith's University of Utah Yellowstone-Teton-Wasatch research group web site

<http://www.uusatrg.utah.edu>

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I. Book

Smith, R.B., and L. Siegel, 2000, Windows into the Earth: The geologic story of Yellowstone and Grand Teton National Parks, Oxford University Press, 202 pp.

II. Website tools or free instruments for accessing Yellowstone-Teton seismic and GPS data

Swarm, a program for real-time earthquake monitoring in X11 windows

<http://www.avo.alaska.edu/Software/swarm/>

Unavco GPS, borehole seismic, strain, tilt etc.

http://pbo.unavco.org/network/soh_map

GPS data for real-time navigation and point positioning for Teton-Yellowstone region

<http://pbo.unavco.org/station/overview/P710>

Earthquake Notification Service (subscribe to a real-time Internet earthquake alert system with earthquake maps, ground shaking)

<http://earthquake.usgs.gov/eqcenter/ens/>

Valve: Yellowstone-Teton-Wasatch data visualization: seismic, GPS, weather, etc. data
<http://yvo-valve.wr.usgs.gov/valve3/>

Real-time earthquake data from the CISN global earthquake display:
<http://www.cisn.org/software/cisndisplay.htm>

Quakecatcher public seismic network
<http://qcn.stanford.edu/>

Netquakes with public access to request a seismograph of your own
<http://earthquake.usgs.gov/monitoring/netquakes/>

III. General Yellowstone-Teton Geology and Geophysics Data

University of Utah Seismology and Active Tectonics Research Group:
<http://www.uusatrg.utah.edu/>

NSF EarthScope Program with GPS and seismic measurements of the entire US
<http://www.earthscope.org>

Plate Boundary Observatory, Data: Network of GPS, strainmeters, LiDAR data, etc.
<http://www.earthscope.org/observatories/pbo>

USArray (United States array of seismographs): Data from transportable array
<http://www.earthscope.org/observatories/usarray>

Yellowstone Volcano Observatory
<http://volcanoes.usgs.gov/yvo/>

IV. Yellowstone-Teton Earthquake Data:

University of Utah Yellowstone-Teton real-time earthquake locations
<http://www.seis.utah.edu/req2webdir/recenteqs/Maps/Yellowstone.html>

QuakeWatch: Monitoring earthquakes and volcanos
<http://quakewatch.wordpress.com/>

Yellowstone earthquake station with links web site
http://www.seis.utah.edu/helicorder/yell_webi.htm

Global real-time earthquake display, tailored to you.

<http://www.cisn.org/software/cisndisplay.htm>

Earthquake Report – Independent earthquake reporting website

<http://earthquake-report.com/>

National Earthquake Information Center:

<http://earthquake.usgs.gov/earthquakes/map/>

Did You Feel It: Internet Public Reporting of Felt Earthquakes and Maps of Felt Reports.

<http://earthquake.usgs.gov/earthquakes/dyfi/>

Global earthquake monitor:

<http://www.iris.edu/seismon/>

Yellowstone consolidated University of Utah seismic station webicorders

<http://www.isthisthingon.org/Yellowstone/daythumbs.php>

V. Yellowstone-Teton Crustal Deformation from GPS, InSAR and LiDAR

Near real-Time Yellowstone-Teton GPS measured ground movements

http://www.uusatrg.utah.edu/ts_ysrp.html

Plate Boundary Observatory GPS data access

<http://facility.unavco.org/data/dai2/app/dai2.html>

Western U.S. GPS velocity viewer

<http://facility.unavco.org/data/maps/GPSVelocityViewer/GPSVelocityViewer.html>

Real-time Yellowstone GPS data access:

<http://pbo.unavco.org/data/gps/realtime>

LiDAR maps for Intermountain region (Yellowstone, Teton fault, and Wasatch, UT)

http://opentopo.sdsc.edu/gridsphere/gridsphere?gs_action=datasetMetadata&cid=geonlidarframeportlet&otCollectionID=OT.052009.32612.1

USGS GPS viewer

<http://earthquake.usgs.gov/monitoring/gps/YellowstoneContin/>

VI. Yellowstone-Teton Earthquake Hazard Information

U.S. Earthquake Hazard Maps

<http://earthquake.usgs.gov/hazards/products/>

Teton County Earthquake Information from Project Impact:
http://members.tripod.com/teton_projectimpact/id49.htm

Wyoming and Teton Landslide Hazard Maps:
<http://www.wrds.uwyo.edu/wrds/wsgs/hazards/landslides/landslides.html>

Putting down roots in earthquake country:
http://ussc.utah.gov/publications/roots_earthquake_low.pdf

VII. Yellowstone-Teton Volcano Hazard Information

USGS Volcano Hazards Program
<http://volcanoes.usgs.gov/>

Smithsonian Global Volcanism Program
<http://www.volcano.si.edu/>

Volcano World
<http://volcano.oregonstate.edu/>

Volcano Watch
<http://volcanowatcher.wordpress.com/>

Global Volcanism Program
<http://www.volcano.si.edu/index.cfm>

VIII. Global earthquake and geology sites

Global list of earthquake and volcano web sites:
<http://www.cco.caltech.edu/~meltzner/seismolinks.html>

VI. Yellowstone-Teton Geologic Maps, etc.

NPS geology website for Yellowstone National Park:
<http://www.nps.gov/yell/naturescience/index.htm>

NPS geology website for Grand Teton National Park:
<http://www.nps.gov/grte/naturescience/geology.htm>

Yellowstone Science, quarterly magazine
<http://www.nps.gov/yell/planyourvisit/yellsciweb.htm>

USGS digital geologic map (ID I-2031) of the Teton region:
<http://rockyweb.cr.usgs.gov/mod/wy.html>

Geologic Map Yellowstone Plateau Volcanic Field
<http://pubs.usgs.gov/pp/pp729g/plate3.pdf>

IX. Yellowstone-Teton Educational Web Sites on Plate Tectonics, Earthquakes and Volcanoes:

Animated Yellowstone Seismicity Maps
<http://www.yellowstonegis.utah.edu/maps/yellowstoneQuakes/index.html>

Educational GPS web site
<http://facility.unavco.org/software/idv/idv.html>

Unavco IDV, GPS-seismic display software, :
http://facility.unavco.org/software/idv/IDV_datasource_tomo.html

American Museum of Natural History Yellowstone site, Interview with Bob Smith
<http://www.amnh.org/explore/science-bulletins/earth/documentaries/yellowstone-monitoring-the-fire-below/volcanic-witness-an-interview-with-bob-smith>

Plate tectonics:
<http://pubs.usgs.gov/gip/dynamic/dynamic.html>

The Worlds Deadliest Volcanoes
<http://www.pbs.org/wgbh/nova/earth/deadliest-volcanoes.html>

National Geographic Fantastic Journeys:
<http://news.nationalgeographic.com/news/2011/01/110119-yellowstone-park-supervolcano-eruption-magma-science/>

Earthquakes, plate tectonics and space methods in Earth Sciences:
<http://scign.jpl.nasa.gov/learn/>

Investigating earthquakes:
<http://www.scecdc.scec.org/Module/module.html>

Teton County GIS interactive map server:
<http://www2.tetonwyo.org/mapserver/>

X. National Park Service homepages:

Yellowstone National Park:
<http://www.nps.gov/yell/>

Grand Teton National Park:
<http://www.nps.gov/grte/>

Natural Resources Bibliography for National Parks.
<http://science.nature.nps.gov/im/apps/nrbib/>

IX. Yellowstone-Teton Outreach and Educational Organizations

Teton Science Schools
<http://www.tetonscience.org/index.cfm?id=home>

Grand Teton National Park Foundation
<http://www.gtnpf.org/>

Greater Yellowstone Coalition
<http://www.greateryellowstone.org/>

Yellowstone Association
<http://www.yellowstoneassociation.org/>

Grand Teton National Park Association
<http://www.grandtetonpark.org/>

Yellowstone National Park Foundation
<http://www.ypf.org/>

UW-NPW Research Station, Grand Teton National Park
<http://www.uwyo.edu/uwnps/index.html>

XI. Links to Everything

All My Faves

<http://www.allmyfaves.com/>