

This shows the Snake River hydrologic basin. This is the extent of the area drained by the Snake River and which contributes to the Snake River Plain Aquifer.

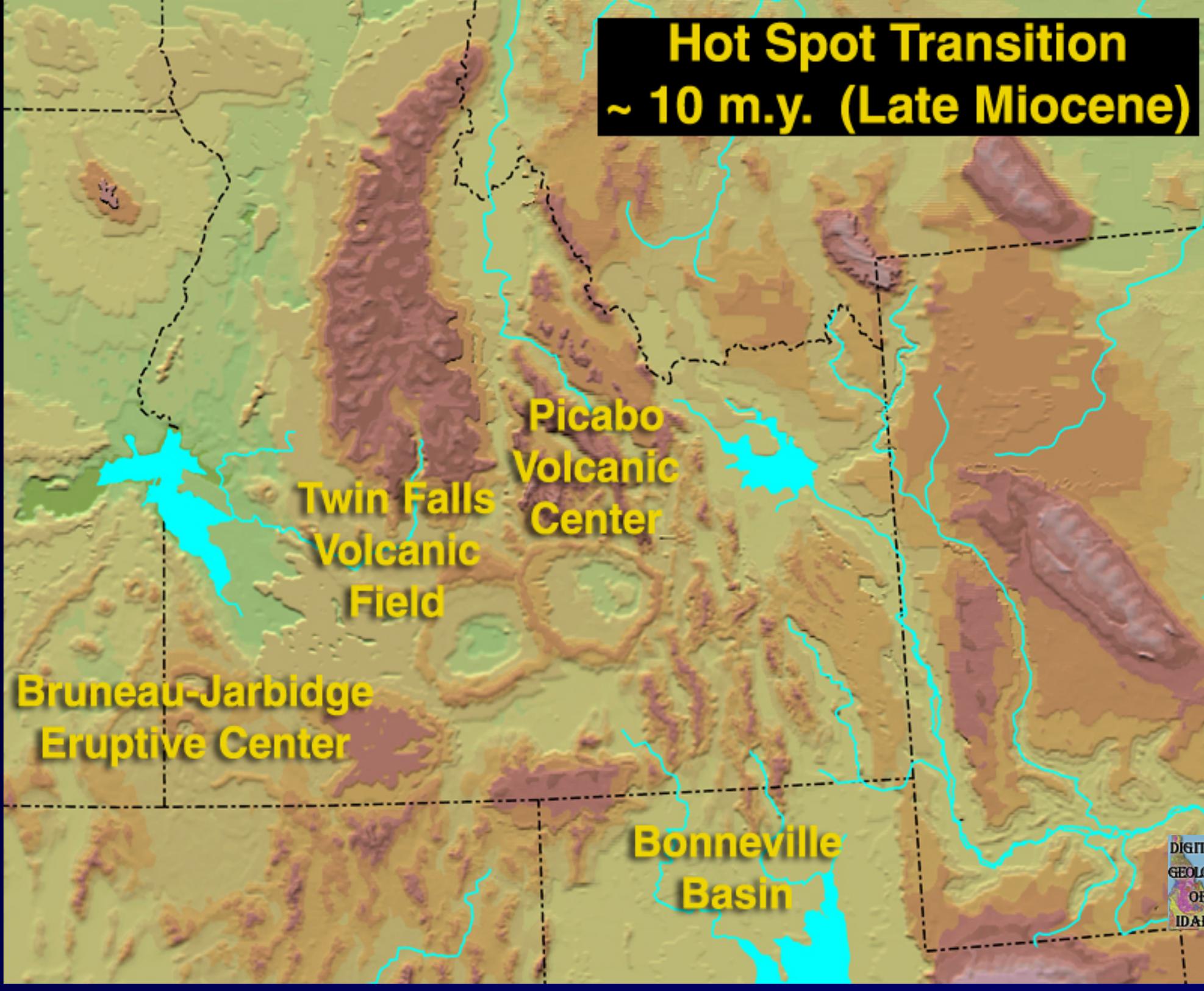
**Hot Spot Transition
~ 10 m.y. (Late Miocene)**

**Twin Falls
Volcanic
Field**

**Picabo
Volcanic
Center**

**Bruneau-Jarbidge
Eruptive Center**

**Bonneville
Basin**



Columbia River Basalt ~17 m.y. (Middle Miocene)

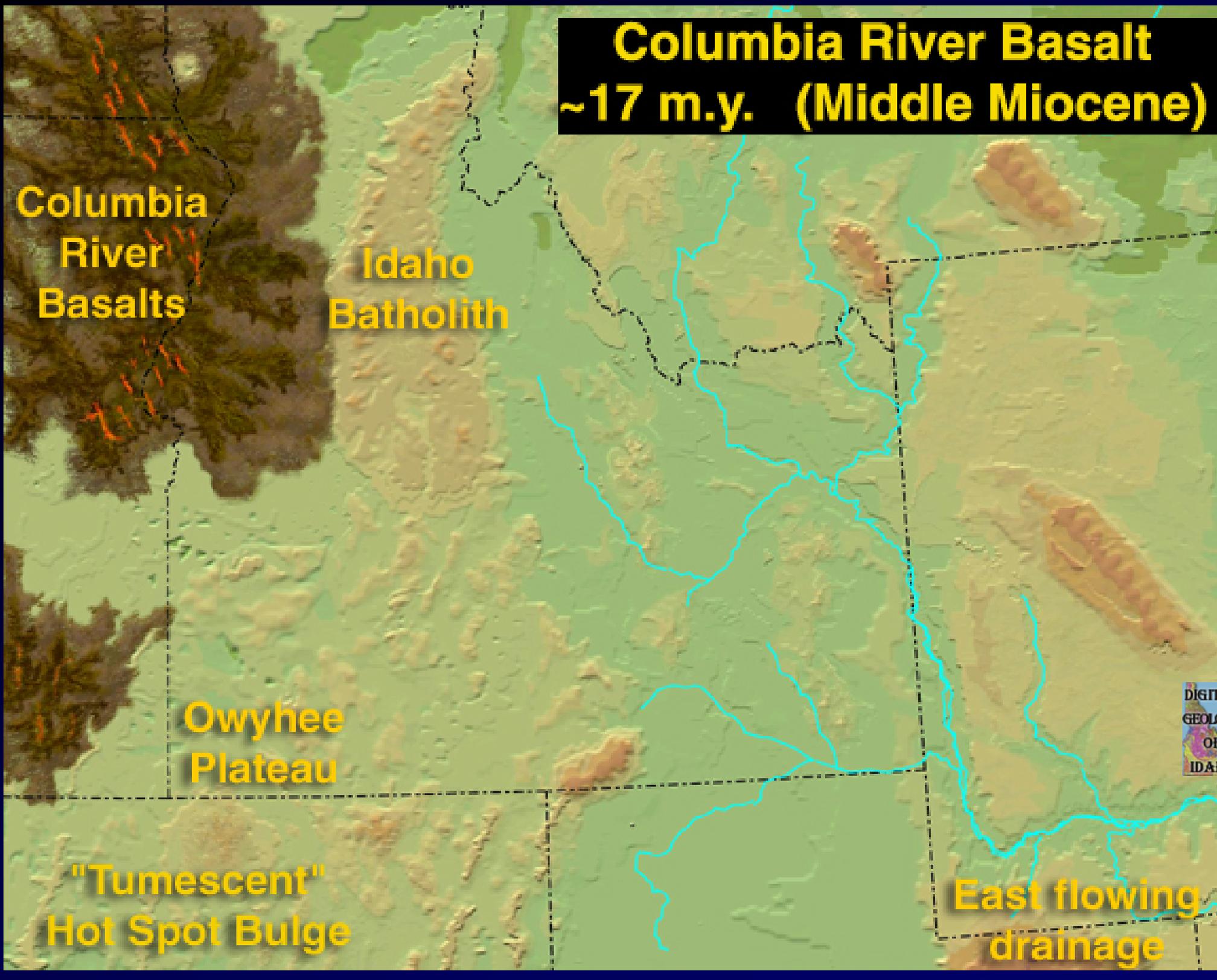
Columbia
River
Basalts

Idaho
Batholith

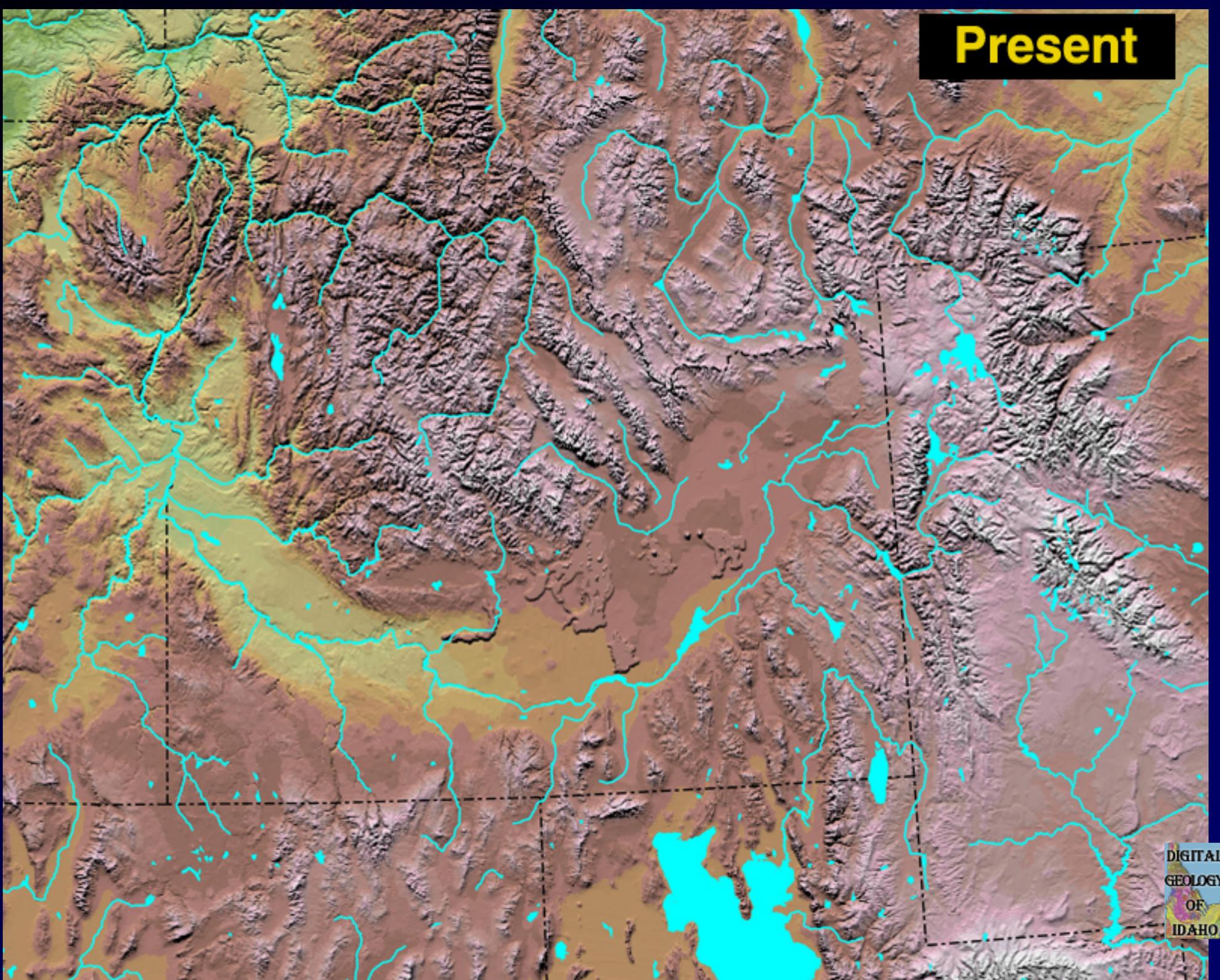
Owyhee
Plateau

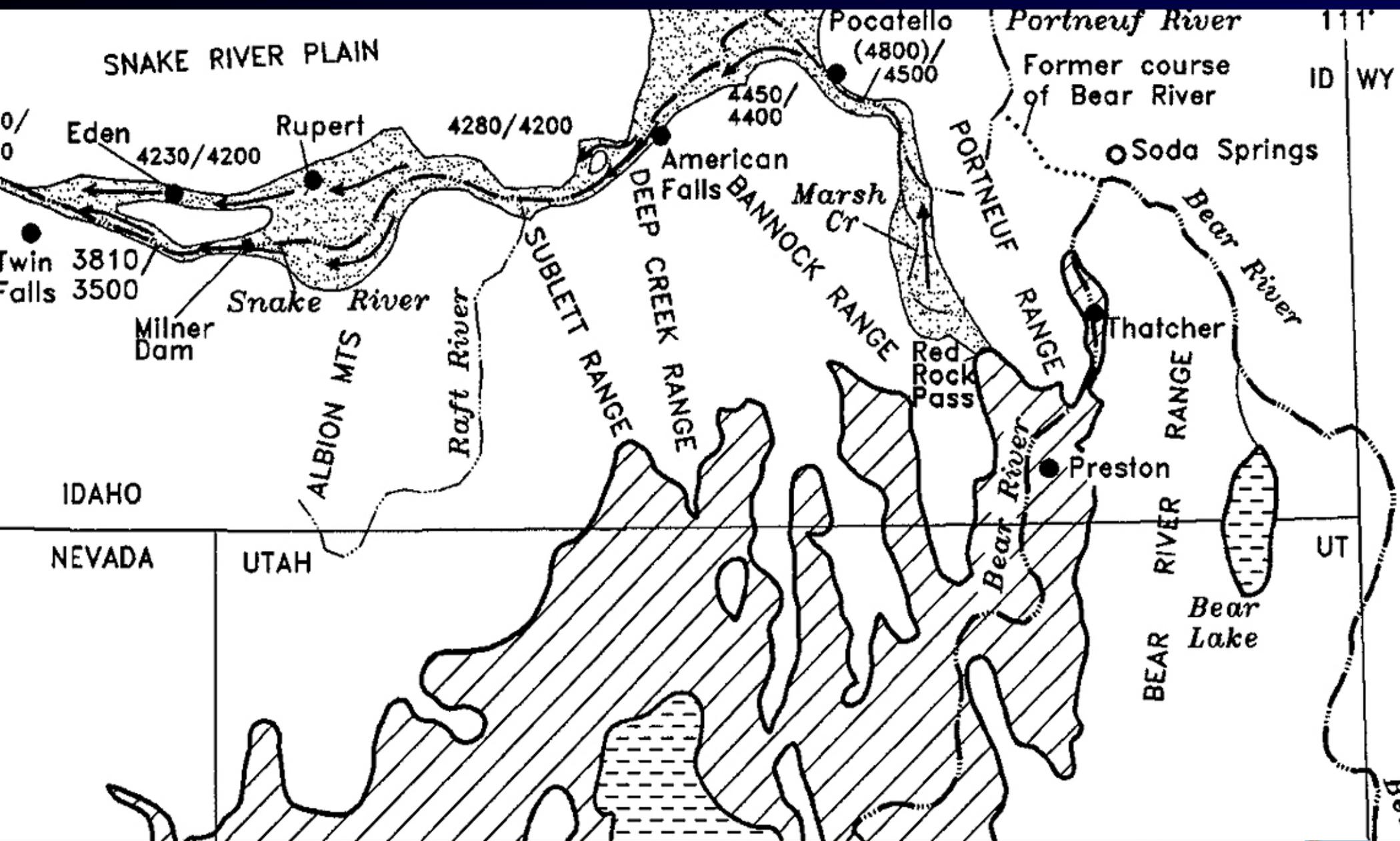
"Tumescent"
Hot Spot Bulge

East flowing
drainage



Present



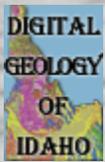




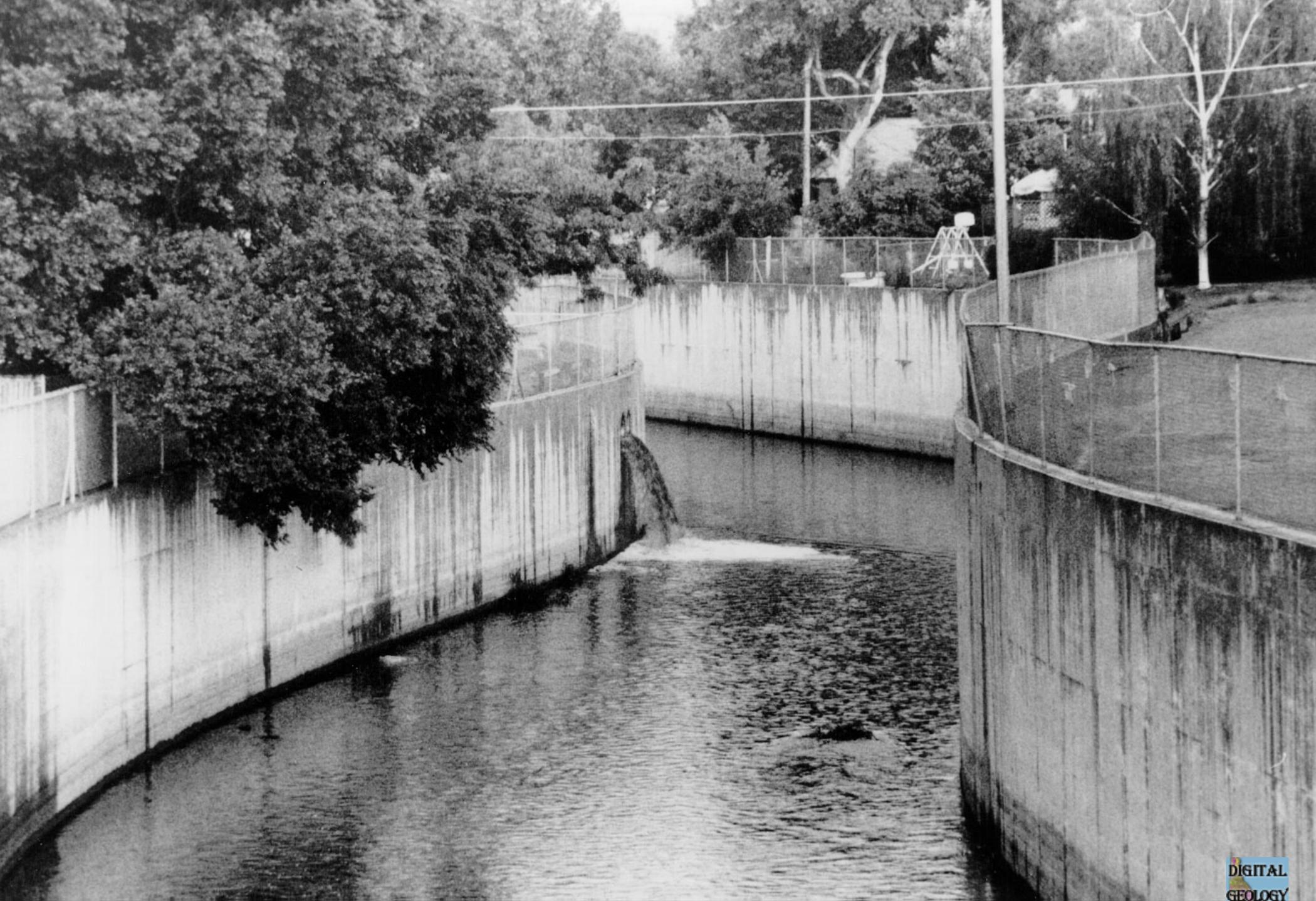
Red Hill



View of Pocatello in 1895 from the west. The Portneuf River meanders through. In the early 20th century, houses and Raymond Park were built on the river flood plain. This lead to repeated flood damage until the concrete channel was constructed by the U.S. Army Corps of Engineers in 1965.

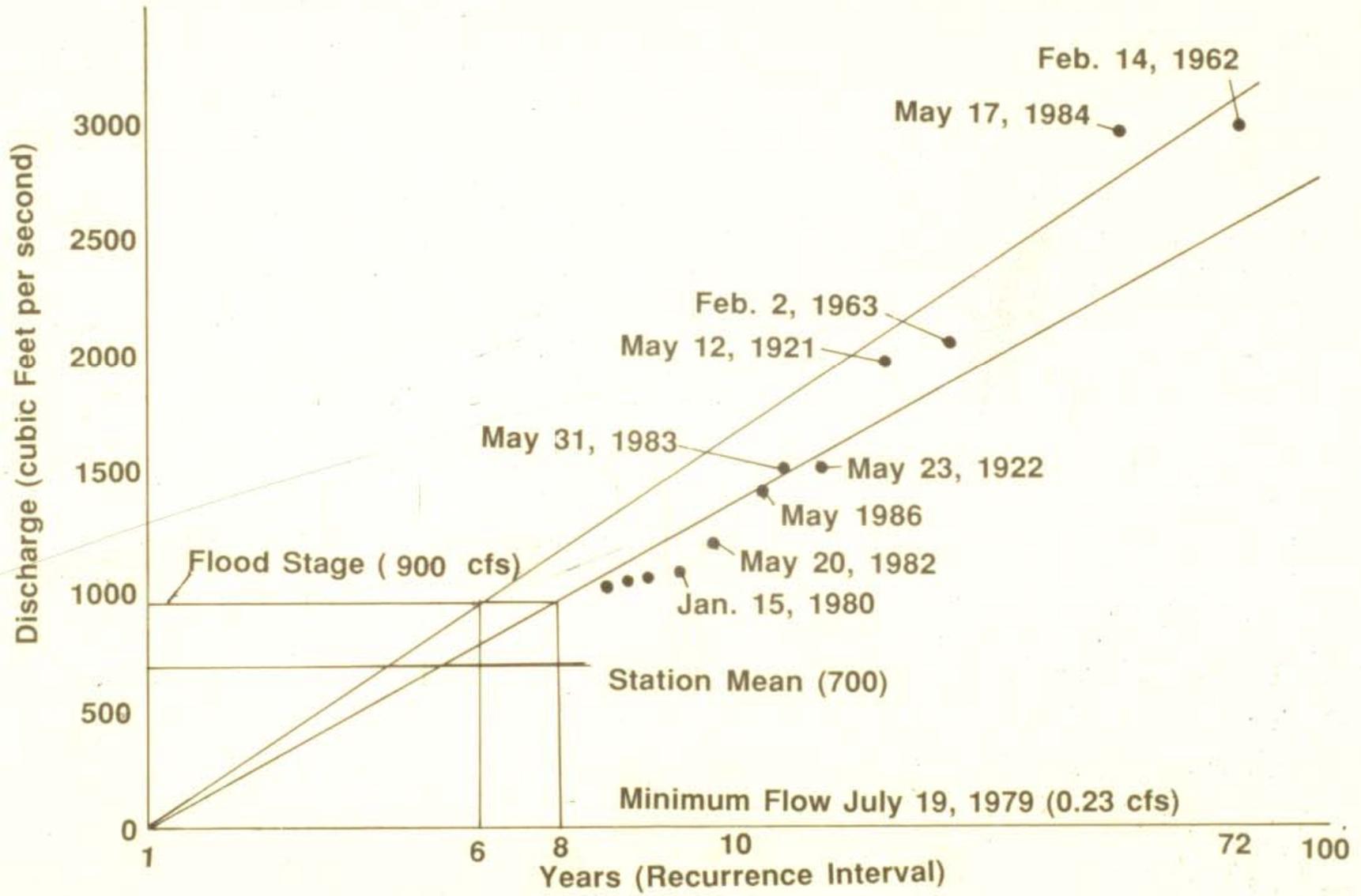


Flood on the east side of the 100 block of South First Avenue in Pocatello, January 1911, caused by a rapid thaw and rainstorm. The flood waters came west from the hills at the head of Center Street.





Flood Hydrograph--Portneuf River at Pocatello





Head gates coming out of Niagara Springs. Niagara Springs is part of the Thousand Springs complex system. This is the location of very productive fish farms.

View of
Niagara
Springs.





View of the town of Gooding, in the Magic Valley. The slide shows the canal, typical orthogonal layout, and irrigated fields.



Milner Dam, just west of Burley, at high water.



View of water being passed through Milner Dam during springtime. Shows a notably high flow.



Bechler River falls, in Yellowstone National Park.



Picture of Coats Dairy, in Dayton. Shows a Confined Animal Feeding Operation. Also shows wheel line for irrigated alfalfa.



Ore-Ida waste ponds from potato plant west of American Falls. Color indicates different kinds of waste water. This water no doubt sinks into the subsurface. Snake River in upper part of view. View is to the South.



Hagerman Fossil Beds National Monument. Fresh exposures are due to recent landslides, caused by leakage from now-abandoned irrigation systems on the upland.



Dairy operation north of Buhl.



Milner Dam, view to west.



Irrigated fields north of Oakley, Albion Range in far right distance.



Old American Falls town site.



Confined Animal Feeding operation, American Falls Idaho.