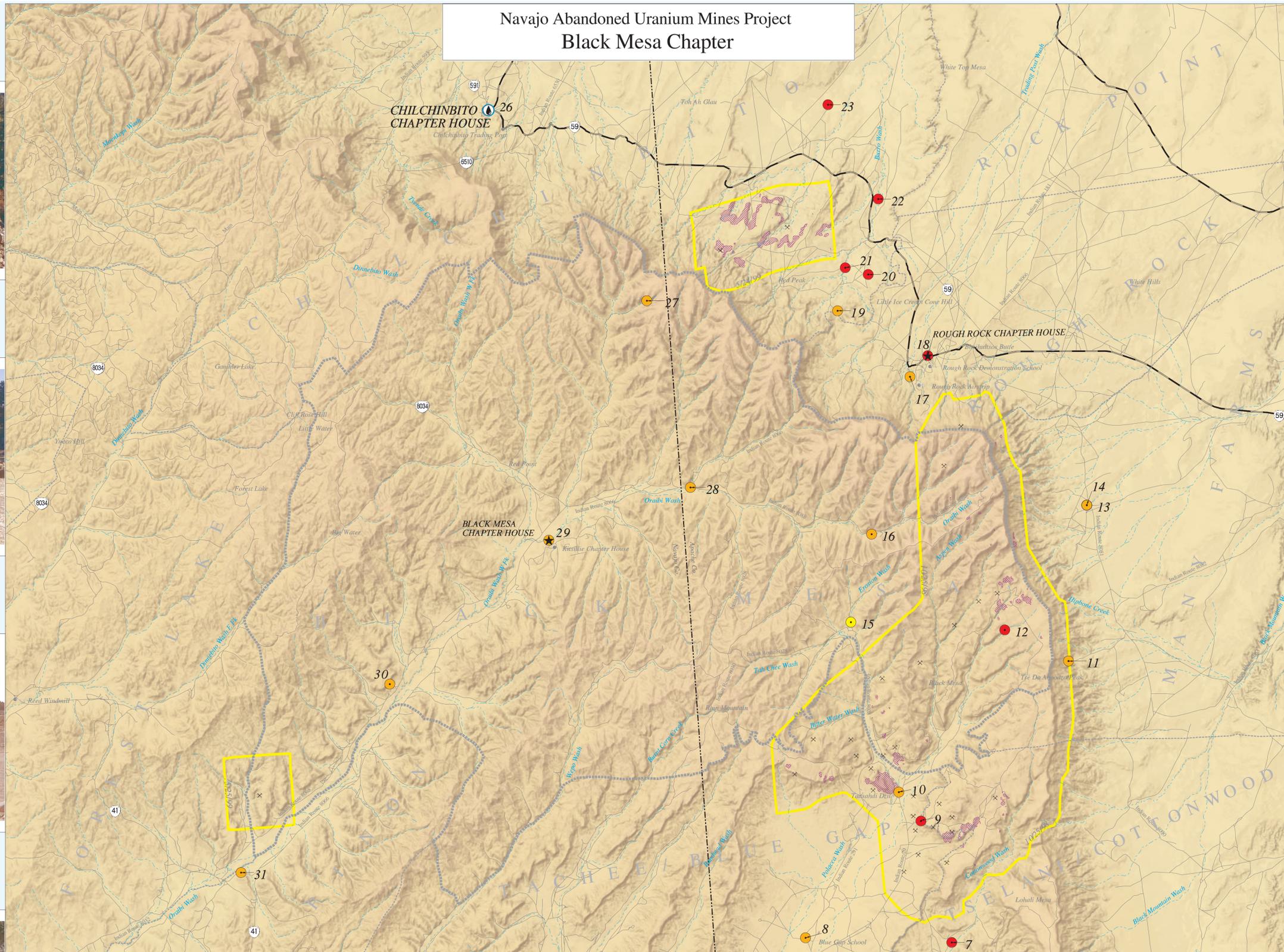


# Navajo Abandoned Uranium Mines Project Black Mesa Chapter



12 Waterfall Spring (Spring)



15 Coal Spring (Spring)



16 Begay Well (Well)



27 Aspen Spring (Spring)



28 Tank 4T-399 (Wind Mill)



29 Black Mesa Chapter House (Well)



30 Cliff Spring (Spring)

Drinking water should be taken from a public water system, such as the regularly tested NTUA system. You may be putting yourself and family at risk if you use water from an untested location. Only the locations on the map indicated by a water drop are tested and confirmed safe.

We are aware that because of cost and distance, many people choose to collect water from a nearby untested location. If you do so, be aware that the sources identified by the red dots show unsafe levels of heavy metals or radioactivity at the time they were tested. We will share your drinking water needs with the appropriate Tribal and Federal agencies.

*Data notes:*  
**MINES** - Historic mine location data show known and possible uranium mines or occurrences. These are approximate and were compiled from various sources of varying accuracy.  
**WELLS** - Only selected wells were tested, and not all livestock wells were tested.  
**CHAPTERS** - Chapter boundaries represented here are based on existing maps from the Navajo Nation and may not depict actual, commonly recognized chapter boundaries.

Data sources:  
 Water sampling: US Army Corps of Engineers, sampled with GPS unit of 5-10m accuracy, 1999  
 Hillshades: US EPA Region, 2000, from USGS Digital Elevation Models, 30m resolution, various years  
 Survey flight areas and Radiation areas: US Department of Energy, 1999  
 Mines: US Department of Energy, 1999, sources of varying accuracy. SEE NOTE ABOVE  
 Counties, Towns and some Roads: Environmental Systems Research Institute and GDT, Inc., 1998  
 Chapter houses and boundaries: Francis M., Hoskie G., Begay J., Navajo Nation Land Department, 1997

Roads: US Bureau of Census TIGER Line Files, 1:100k scale, 1995  
 Hillshades: US EPA Region, 2000, from USGS Digital Elevation Models, 30m resolution, various years  
 Landmarks: USGS Geographic Names Information System, 1:24k scale, 1981  
 Counties, Towns and some Roads: Environmental Systems Research Institute and GDT, Inc., 1998  
 Site photography: Alsup G., US Army Corps of Engineers, 1999

**Water sampling locations and associated risk**

- LESS RISK
- SOME RISK
- MORE RISK
- Tested and safe to drink

**Helicopter radiation surveys**

- Area of higher than normal radiation
- Area of radiation testing
- Date of last test

- Chapter house
- Black Mesa Chapter boundaries
- Other chapter boundaries
- Historic mine locations
- Landmarks and locales
- County boundaries
- Interstates
- Highways
- Local Roads
- Perennial streams
- Intermittent streams and washes
- Lakes and washes



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