



USDA
Forest Service

Hells Canyon National Recreation Area

Ruth Lake 78-12204

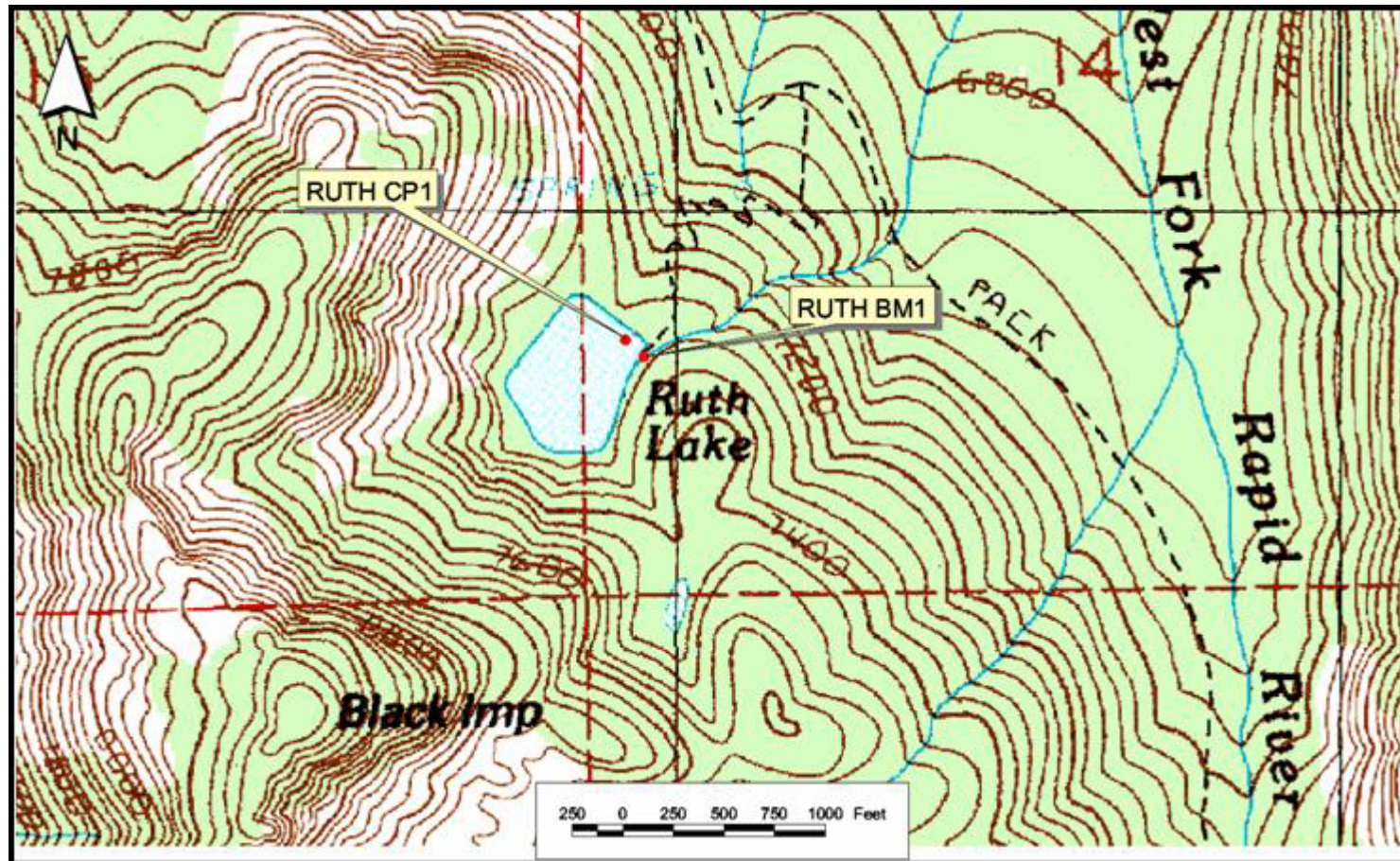




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Ruth Lake 78-12204 Bench Marks



Lake and Pin name	Utm		
	Zone	X	Y
RUTH CP1	11 T	534919	5009808
RUTH BM1	11 T	534948	5009783

Locations of BM1 and CP1 are from coordinates collected by a Garmin 76S. The coordinates for CP-1 were taken 12.5 feet away on top of a lone boulder. See the hand drawn map for the locations.



Note the location of CP-1 and the boulder where the UTM coordinates were taken

Not Proportional



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All Elevations Are Local and Relative to BM-1, Units are Feet

	Elevation
Bench Mark (BM-1)	100.00
Control Point (CP-1)	100.91



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BM-1, Aluminum benchmark drilled and driven into rock, then covered with soil, rocks, and brush to hide the cap (inside circle).



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CP-1, Aluminum benchmark drilled and driven into rock, then covered with soil and rocks to hide the cap (inside circle). CP-1 is 12.5' from the large boulder following the blue line. The hand held GPS unit could not acquire a sufficient number of satellites when placed next to the aluminum pin. The reported UTM coordinates are for the boulder shown in this photo.



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CP-1 is located in the circle. The large boulder is 12.5' from CP-1 and is the location of the given UTM coordinates.