



USDA
Forest Service

Hells Canyon National Recreation Area

Shelf Lake 79-14078

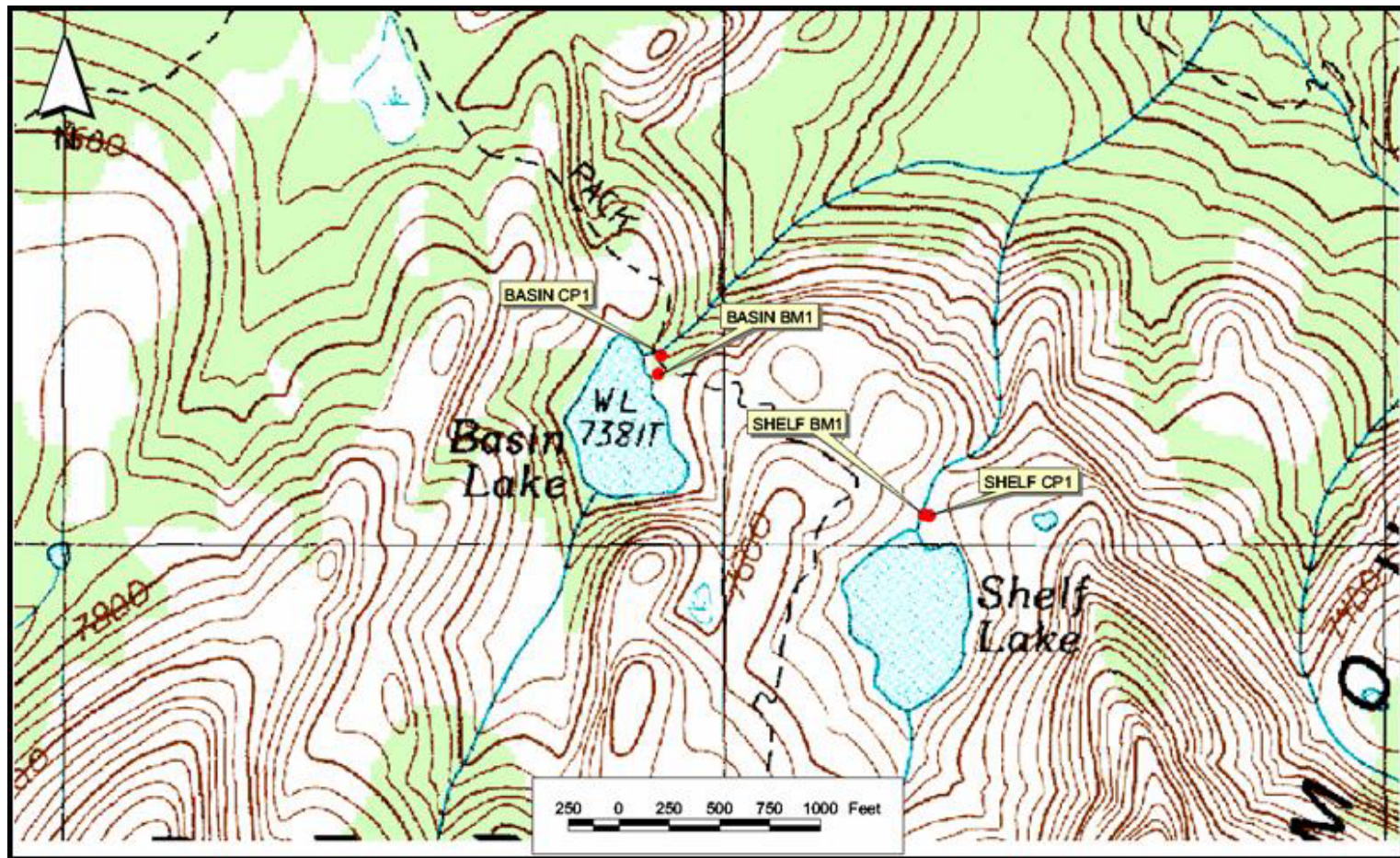




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Shelf Lake 79-14078 Bench Marks



Lake and Pin name	Utm		
	Zone	X	Y
SHELF CP1	11 T	535310	5021044
SHELF BM1	11 T	535302	5021046
BASIN CP1	11 T	534903	5021287
BASIN BM1	11 T	534899	5021260

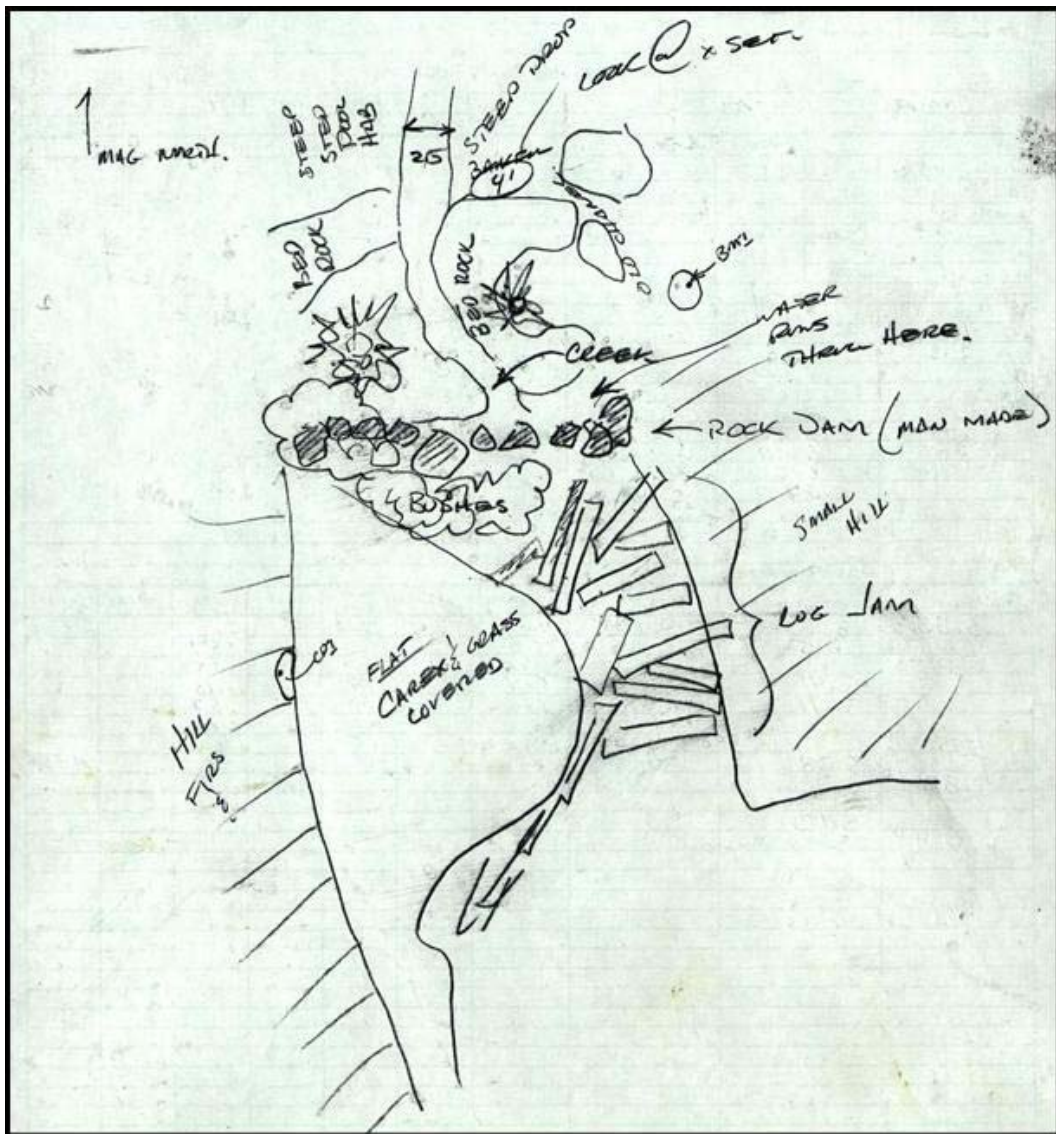
Locations of BM1 and CP1 are from coordinates collected by a Garmin 76S. Refer to the hand drawn map to show the relationship of the benchmarks to the outlet, accuracy of the coordinates was poor due to inability to maintain a lock on four or more satellites.



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Shelf Lake 79-14078 Sketch Map



Hand Drawn

Not to Scale

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)	101.91



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BM-1 Aluminum benchmark drilled and driven into rock, then covered with soil and rocks to hide the cap (inside circle). Upper right hand portion of photo shows the stream flowing through boulders and logs.



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Hells Canyon National Recreation Area Shelf Lake 79-14078 Bench Marks



Shooting BM-1. The blue line is over a “dam” composed of boulders, logs, and soil.
The placement of the boulders is such that it appears to be man made.



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Location of CP-1. It is an aluminum benchmark drilled and driven into rock, then covered with soil, rocks, and brush to hide the cap. Under the blue line is the line of boulders covered with soil and vegetation. The small stream flows through the boulders.