

SUPPLEMENTAL TABLE. LAKE BONNEVILLE SHORELINE ALTITUDES IN FEET (M) AT VARIOUS LOCATIONS

	Bonneville shoreline altitude at its sill in feet (m)	Provo shoreline altitude at its sill in feet (m)	Location of sill for Provo shoreline
Gilbert, 1890			"Between Swan Lake and Round Valley" Red Rock Pass
Hardy, 1956, Keller, 1952, Coulter, 1954, Link, 1982	5135 ft (1556 m) at Red Rock Pass	4800 ft (1463 m) at Red Rock Pass	
Williams, 1962	5135 ft (1556 m) - highest trace of channel	4770 ft (1454 m) at Red Rock Pass	Red Rock Pass
Crittenden, 1963	5085 ft (1550 m)		Red Rock Pass
Bright, 1966	5130 (1564 m)	4775 ft (1446 m)	Red Rock Pass
Bright, 1963 and 1966	5105 ± 5 ft (1556±1.5 m)	4775 ft ± 5 ft (1446± 1.5 m)	Red Rock Pass
Currey, 1982	5090 ft with drop to 5050 ft before the flood (1552 m dropping to 1540 m)	4737 ft (1444 m) corrected for rebound 4751 ft 7 km northwest of Preston (not corrected for rebound) 4770 ft near Weston, Idaho (not corrected for rebound) P high=4741 ft (1445 m) in Red Rock Pass area P low=4710 ft (1436 m) in Red Rock Pass area 4710 ft (1436 m) bedrock level at Red Rock Pass with p1 to p5 increasing in level to as high as 4740 ft (1445 m). Three landslides raised the spillway temporarily	Red Rock Pass Red Rock Pass Red Rock Pass Red Rock Pass
Burr and Currey, 1988, Currey and Burr, 1988	5090 ft (1552 m)		Red Rock Pass
Lemons, 1997	5155 ft (1555 ± 2 m) south of Preston		Red Rock Pass
Link et al., 1999	5090 ft at Zenda threshold (1552 m)	4740 ft (1445m)	Red Rock Pass
Williams and Milligan, 1968		4756 ±1 ft (1450 m) at bedrock saddle at Red Rock Pass	Red Rock Pass
McCalpin, 1994	5165 ±10 ft (1574 m) in southern Cache Valley 5107± 1 ft (~1557 m) at Franklin, Idaho		Red Rock Pass
This study:	~5110±10 ft (1558±3 m) north of Red Rock Pass at Zenda threshold, with low confidence due to subtle expression	4760-4780 ft (1451-1457 m) higher shoreline and 4740-4745 ft (1445 to 1447 m) lower shoreline	Swan Lake and then Clifton sill
<i>Note: Altitudes are for the area near at Zenda, Idaho or Red Rock Pass, or are altitudes that were corrected for an elevation at Zenda, Idaho or Red Rock Pass by the original authors.</i>			