



Island Park Reservoir, Fremont County Idaho

Report Time Stamp: 2026 May 06 - 21:37 (UTC)



Survey Metadata

Data Collector:	Ryan Sullivan
Survey Time Stamp (UTC):	2017 June 06 - 15:31
Starting Location:	44.425972, -111.389481
Ending Location:	44.421584, -111.424171
Distance	448.969 miles

Survey Statistics

Average Water Temperature:	65.4 °F
Survey Area:	7558.130 acres
Survey Volume:	129376.983 acre ft
Percent of Waterbody Surveyed:	96.4%
Waterbody Area:	7840.422 acres
Estimated Waterbody Volume	134209.137 acre ft

Survey Settings

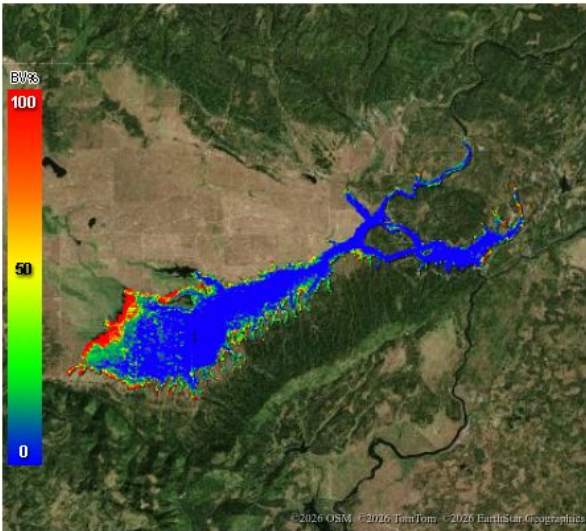
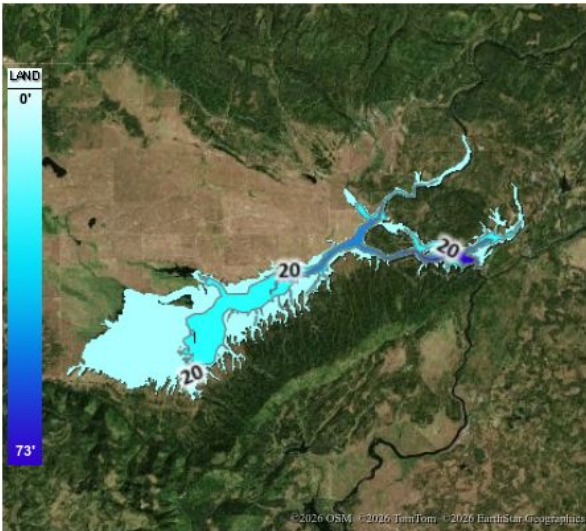
Includes Edited Data:	No
Track Buffer:	60 m
BV Grid Cell Size:	12 m
BV Minimum Detection - Percent:	5.0%
BV Minimum Detection - Depth:	2,400 ft
BV Maximum Detection - Depth:	20,000 ft
BV Sonar Channel:	NA

Biovolume Summary

Type	PAC	Avg BVp	SD BVp	Avg BVw	SD BVw	Depth Range	Depth Avg	No. Depth Records
Point	30.6%	45.7%	± 44.3%	14.0%	± 30.7%	1.05 - 74.77 ft	15.162 ft	86974
Grid	33.1%	38.4%	± 32.3%	12.7%	± 25.9%	0.10 - 72.68 ft	17.118 ft	413462

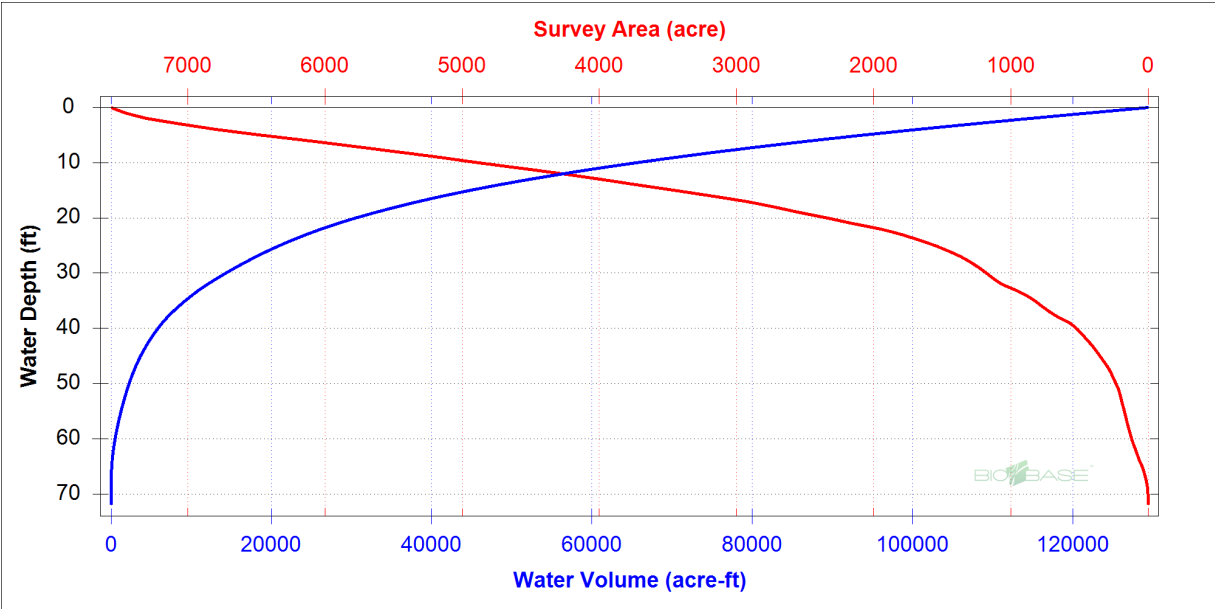
Bathymetric Contour Map

Vegetation Biovolume Heat Map



Hypsographic Summary

Hypsographic Chart



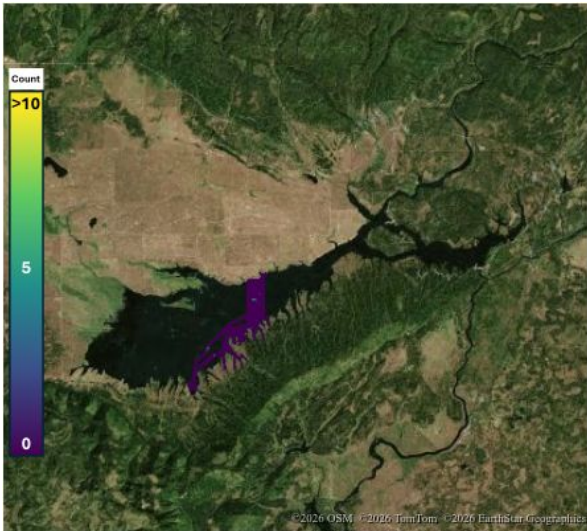
Depth	Area	AreaP	Volume	VolumeC	VolumeP
0 - 1 ft	7558.135 acres	100%	7510.507 acre ft	129376.987 acre ft	100%
1 - 2 ft	7452.935 acres	98.6%	7379.289 acre ft	121866.480 acre ft	94.2%
2 - 3 ft	7293.378 acres	96.5%	7172.824 acre ft	114487.190 acre ft	88.5%
3 - 4 ft	7048.419 acres	93.3%	6915.926 acre ft	107314.367 acre ft	82.9%
4 - 5 ft	6782.484 acres	89.7%	6633.703 acre ft	100398.440 acre ft	77.6%
5 - 6 ft	6465.957 acres	85.5%	6295.500 acre ft	93764.737 acre ft	72.5%
6 - 7 ft	6124.765 acres	81.0%	5960.986 acre ft	87469.237 acre ft	67.6%
7 - 8 ft	5800.742 acres	76.7%	5638.904 acre ft	81508.252 acre ft	63.0%
8 - 9 ft	5483.038 acres	72.5%	5325.557 acre ft	75869.348 acre ft	58.6%
9 - 10 ft	5169.934 acres	68.4%	5024.548 acre ft	70543.790 acre ft	54.5%
10 - 11 ft	4881.897 acres	64.6%	4732.026 acre ft	65519.242 acre ft	50.6%
11 - 12 ft	4573.053 acres	60.5%	4414.290 acre ft	60787.217 acre ft	47.0%
12 - 13 ft	4269.697 acres	56.5%	4127.271 acre ft	56372.926 acre ft	43.6%
13 - 14 ft	3990.720 acres	52.8%	3857.956 acre ft	52245.655 acre ft	40.4%
14 - 15 ft	3726.474 acres	49.3%	3586.259 acre ft	48387.699 acre ft	37.4%
15 - 16 ft	3451.754 acres	45.7%	3319.485 acre ft	44801.440 acre ft	34.6%
16 - 17 ft	3186.446 acres	42.2%	3053.775 acre ft	41481.955 acre ft	32.1%
17 - 18 ft	2933.642 acres	38.8%	2827.634 acre ft	38428.180 acre ft	29.7%
18 - 19 ft	2727.656 acres	36.1%	2634.070 acre ft	35600.546 acre ft	27.5%
19 - 20 ft	2542.944 acres	33.6%	2439.852 acre ft	32966.476 acre ft	25.5%
20 - 21 ft	2340.062 acres	31.0%	2245.481 acre ft	30526.624 acre ft	23.6%
21 - 22 ft	2154.928 acres	28.5%	2052.806 acre ft	28281.143 acre ft	21.9%
22 - 23 ft	1951.848 acres	25.8%	1869.948 acre ft	26228.338 acre ft	20.3%
23 - 24 ft	1797.710 acres	23.8%	1734.300 acre ft	24358.389 acre ft	18.8%
24 - 25 ft	1670.467 acres	22.1%	1611.309 acre ft	22624.090 acre ft	17.5%
25 - 26 ft	1553.088 acres	20.5%	1501.599 acre ft	21012.781 acre ft	16.2%
26 - 27 ft	1454.969 acres	19.3%	1409.662 acre ft	19511.181 acre ft	15.1%
27 - 28 ft	1366.618 acres	18.1%	1328.545 acre ft	18101.519 acre ft	14.0%
28 - 29 ft	1295.097 acres	17.1%	1263.947 acre ft	16772.974 acre ft	13.0%
29 - 30 ft	1233.748 acres	16.3%	1205.835 acre ft	15509.027 acre ft	12.0%
30 - 31 ft	1178.195 acres	15.6%	1152.407 acre ft	14303.191 acre ft	11.1%
31 - 32 ft	1126.899 acres	14.9%	1098.969 acre ft	13150.784 acre ft	10.2%
32 - 33 ft	1066.060 acres	14.1%	1020.727 acre ft	12051.815 acre ft	9.3%
33 - 34 ft	972.632 acres	12.9%	930.068 acre ft	11031.088 acre ft	8.5%
34 - 35 ft	890.091 acres	11.8%	857.282 acre ft	10101.021 acre ft	7.8%
35 - 36 ft	825.990 acres	10.9%	799.633 acre ft	9243.739 acre ft	7.1%
36 - 37 ft	773.934 acres	10.2%	746.588 acre ft	8444.106 acre ft	6.5%
37 - 38 ft	718.196 acres	9.5%	687.386 acre ft	7697.518 acre ft	5.9%

38 - 39 ft	652.426 acres	8.6%	611.247 acre ft	7010.131 acre ft	5.4%
39 - 40 ft	573.072 acres	7.6%	546.797 acre ft	6398.884 acre ft	4.9%
40 - 41 ft	522.993 acres	6.9%	501.970 acre ft	5852.087 acre ft	4.5%
41 - 42 ft	483.573 acres	6.4%	466.642 acre ft	5350.117 acre ft	4.1%
42 - 43 ft	448.765 acres	5.9%	430.104 acre ft	4883.476 acre ft	3.8%
43 - 44 ft	411.902 acres	5.4%	395.496 acre ft	4453.372 acre ft	3.4%
44 - 45 ft	380.991 acres	5.0%	366.848 acre ft	4057.876 acre ft	3.1%
45 - 46 ft	351.942 acres	4.7%	337.283 acre ft	3691.028 acre ft	2.9%
46 - 47 ft	322.888 acres	4.3%	308.557 acre ft	3353.745 acre ft	2.6%
47 - 48 ft	294.584 acres	3.9%	283.140 acre ft	3045.188 acre ft	2.4%
48 - 49 ft	272.384 acres	3.6%	263.067 acre ft	2762.048 acre ft	2.1%
49 - 50 ft	254.011 acres	3.4%	244.520 acre ft	2498.981 acre ft	1.9%
50 - 51 ft	235.050 acres	3.1%	225.215 acre ft	2254.462 acre ft	1.7%
51 - 52 ft	216.968 acres	2.9%	210.688 acre ft	2029.247 acre ft	1.6%
52 - 53 ft	204.815 acres	2.7%	199.870 acre ft	1818.559 acre ft	1.4%
53 - 54 ft	195.099 acres	2.6%	190.131 acre ft	1618.689 acre ft	1.3%
54 - 55 ft	184.613 acres	2.4%	179.021 acre ft	1428.558 acre ft	1.1%
55 - 56 ft	173.601 acres	2.3%	168.478 acre ft	1249.537 acre ft	1.0%
56 - 57 ft	163.620 acres	2.2%	158.858 acre ft	1081.059 acre ft	0.8%
57 - 58 ft	154.035 acres	2.0%	148.906 acre ft	922.201 acre ft	0.7%
58 - 59 ft	143.614 acres	1.9%	137.913 acre ft	773.295 acre ft	0.6%
59 - 60 ft	132.104 acres	1.7%	126.478 acre ft	635.381 acre ft	0.5%
60 - 61 ft	120.605 acres	1.6%	113.960 acre ft	508.903 acre ft	0.4%
61 - 62 ft	107.031 acres	1.4%	99.204 acre ft	394.943 acre ft	0.3%
62 - 63 ft	91.407 acres	1.2%	84.406 acre ft	295.739 acre ft	0.2%
63 - 64 ft	77.478 acres	1.0%	70.282 acre ft	211.333 acre ft	0.2%
64 - 65 ft	62.843 acres	0.8%	53.620 acre ft	141.051 acre ft	0.1%
65 - 66 ft	44.059 acres	0.6%	37.087 acre ft	87.431 acre ft	0.1%
66 - 67 ft	30.826 acres	0.4%	25.008 acre ft	50.344 acre ft	0.0%
67 - 68 ft	19.530 acres	0.3%	14.778 acre ft	25.336 acre ft	0.0%
68 - 69 ft	10.675 acres	0.1%	6.836 acre ft	10.558 acre ft	0.0%
69 - 70 ft	4.221 acres	0.1%	2.690 acre ft	3.723 acre ft	0.0%
70 - 71 ft	1.545 acres	0.0%	0.927 acre ft	1.033 acre ft	0.0%
71 - 72 ft	0.393 acres	0.0%	0.101 acre ft	0.106 acre ft	0.0%
72 ft +	0.016 acres	0.0%	0.005 acre ft	0.005 acre ft	0.0%

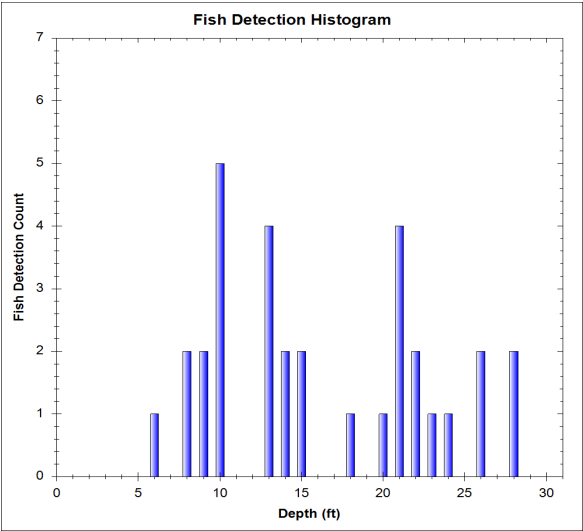
Fish Summary

Type	Total	NumSm	NumMd	NumLg	Depth Range	Depth Avg
Individuals	19	0	14	5	5.12 - 27.36 ft	12.090 ft
Schools	13	NA	NA	NA	12.01 - 27.00 ft	20.950 ft

Fish Abundance Map



Fish Depth Histogram



Biovolume Analysis by Quintiles

Type	0 - 20%	20 - 40%	40 - 60%	60 - 80%	80 - 100%
Point	84.8%	3.7%	0.3%	0.0%	11.2%
Grid	81.6%	6.0%	3.5%	2.9%	6.0%

Biovolume Analysis by Depth

Type	Depth	Count	PAC	Avg BVp	SD BVp	Avg BVw	SD BVw
Point	0 - 1 ft	2523	86.6%	94.0%	± 40.2%	81.3%	± 38.2%
	1 - 2 ft	12443	67.5%	53.3%	± 46.8%	36.0%	± 43.5%
	2 - 3 ft	6600	44.4%	23.5%	± 25.1%	10.5%	± 21.4%
	3 - 4 ft	2675	23.1%	22.8%	± 23.6%	5.3%	± 15.8%
	4 - 5 ft	1205	13.5%	29.2%	± 30.3%	3.9%	± 16.7%
	5 - 6 ft	661	9.8%	61.8%	± 60.3%	6.1%	± 23.2%
	6 - 7 ft	6	0.1%	84.4%	± 84.4%	0.1%	± 2.8%
	7 - 8 ft	0	0%	0%	± 0%	0%	± 0%
	8 - 9 ft	0	0%	0%	± 0%	0%	± 0%
Grid	9 ft +	0	0%	0%	± 0%	0%	± 0%
	0 - 1 ft	31881	92.4%	68.1%	± 31.8%	62.9%	± 35.5%
	1 - 2 ft	56613	87.8%	45.1%	± 30.7%	39.6%	± 32.3%
	2 - 3 ft	55471	57.5%	17.5%	± 14.1%	10.1%	± 13.7%
	3 - 4 ft	52995	26.7%	16.3%	± 13.9%	4.4%	± 10.2%
	4 - 5 ft	48281	13.2%	18.3%	± 18.8%	2.4%	± 9.2%
	5 - 6 ft	36942	12.5%	22.2%	± 17.7%	2.8%	± 9.7%
	6 - 7 ft	32664	1.8%	12.6%	± 9.1%	0.2%	± 2.1%
	7 - 8 ft	20250	0.5%	9.4%	± 5.1%	0.1%	± 0.8%
	8 - 9 ft	12507	0.2%	9.9%	± 6.2%	0.0%	± 0.6%
	9 ft +	0	0%	0%	± 0%	0%	± 0%

Offsets

Trip Name	Trip Date (UTC)	Manual Offset (ft)	Tide Station Name	Avg Tide (ft)	Min Tide (ft)	Max Tide (ft)	Start Tide (ft)	End Tide (ft)
IPR190617.sl2	2017 June 19 - 19:35	0.000	NA	NA	NA	NA	NA	NA
IPR190617V2.sl2	2017 June 19 - 22:13	0.000	NA	NA	NA	NA	NA	NA
IPR200617.sl2	2017 June 20 - 14:41	0.000	NA	NA	NA	NA	NA	NA
IPR200617V2.sl2	2017 June 20 - 19:38	0.000	NA	NA	NA	NA	NA	NA
IPR200617V3.sl2	2017 June 21 - 00:21	0.000	NA	NA	NA	NA	NA	NA
IPR270617.sl2	2017 June 27 - 17:25	0.000	NA	NA	NA	NA	NA	NA
IPR270617V2.sl2	2017 June 27 - 19:29	0.000	NA	NA	NA	NA	NA	NA
IPR270617V3.sl2	2017 June 27 - 20:21	0.000	NA	NA	NA	NA	NA	NA
IPR210617.sl2	2017 June 21 - 15:12	0.000	NA	NA	NA	NA	NA	NA
IPR300617.sl2	2017 June 30 - 17:04	0.000	NA	NA	NA	NA	NA	NA
IPR280617.sl2	2017 June 28 - 16:36	0.000	NA	NA	NA	NA	NA	NA
IPR300617V2.sl2	2017 June 30 - 18:06	0.000	NA	NA	NA	NA	NA	NA
IPR06062017.sl2	2017 June 06 - 15:31	0.000	NA	NA	NA	NA	NA	NA
IPR07062017.sl2	2017 June 07 - 15:46	0.000	NA	NA	NA	NA	NA	NA
IPR08062017.sl2	2017 June 08 - 15:32	0.000	NA	NA	NA	NA	NA	NA
IPR22062017.sl2	2017 June 22 - 17:16	0.000	NA	NA	NA	NA	NA	NA
IPR23062017.sl2	2017 June 23 - 16:41	0.000	NA	NA	NA	NA	NA	NA
IPR26062017.sl2	2017 June 26 - 17:02	0.000	NA	NA	NA	NA	NA	NA
IPR29062017.sl2	2017 June 29 - 15:28	0.000	NA	NA	NA	NA	NA	NA

Glossary

AOI

Area of Interest: Defines the transects or contiguous data samples as depicted by the colored trip line. Seperate areas of interest can be generated through merging of multiple trips, appending data to a single sonar log or lapses in time (greater than five minutes) within a sonar log.

Point

Individual Coordinate Point: A single point represents a summary of sonar pings and the derived bottom and canopy depths. Individual point data create an irregularly spaced dataset that may have overlaps and/or gaps in the data resulting in a increased potential for error.

Grid

Geostatistical Interpolated Grid: Interpolated and evenly spaced values representing kriged (smoothed) output of aggregated data points. The gridded data is most accurate summary of survey areas.

BVp

Biovolume (Plant): Refers to the percentage of the water column taken up by vegetation when vegetation exists. Areas that do not have any vegetation are not taken into consideration for this calculation.

BVw

Biovolume (All water): Refers to the average percentage of the water column taken up by vegetation regardless of whether vegetation exists. In areas where no vegetation exists, a zero value is entered into the calculation, thus reducing the overall biovolume of the entire area covered by the survey.

PAC

Percent Area Covered: Refers to the overall surface area that has vegetation growing.

Area

Area: Surface area of corresponding depth range and deeper.

AreaP

Area Percent: Percent of total surface area of the corresponding depth range and deeper.

Volume

Volume: Water volume of the corresponding depth range.

VolumeC

Volume Cumulative: Cumulative water volume of the corresponding depth range and deeper.

VolumeP

Volume Percent: Percent of total water volume of the corresponding depth range and deeper.

NumSm

Number of Small Sized Individual Fish: Count of low-energy acoustic backscatter targets which generated an absolute dimensionless value pursuant to our algorithms.

NumMd

Number of Medium Sized Individual Fish: Count of mid-energy acoustic backscatter targets which generated an absolute dimensionless value pursuant to our algorithms.

NumLg

Number of Large Sized Individual Fish: Count of high-energy acoustic backscatter targets which generated an absolute dimensionless value pursuant to our algorithms.

Schools

Aggregations of fish too close together to differentiate individuals.

Report URL: <https://s3-bb-prd-po-snr-rpt-use1.s3.amazonaws.com/4e1b4f86-1082-4349-9f76-21a2afd3331b/Report.html> (<https://s3-bb-prd-po-snr-rpt-use1.s3.amazonaws.com/4e1b4f86-1082-4349-9f76-21a2afd3331b/Report.html>)

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