American Falls

Reservoir Information[1]

(All measurements in feet unless otherwise noted)

Forebay Elevation	
Full	4,354.5
Mininum*	4,314.0
Normal Tailwater	4,250.0
Full Head	104.5
Surface Acres	58,078
Total Acre ft.	1,672,590
Usable Storage	
ft.	40.5
Acre ft.	1,507,674
Drainage Area (mi^2)	13,580

*Minimum for generation.

Plant Information[2]

Number of Units	3
Maximum Capability (MW)	112.42
Hydraulic Capacity (cfs)	
Plant Total	16,500
Spillway Total	—
Project Emergency	—

American Falls

The American Falls Hydroelectric Project (AFPR) is licensed as FERC Project 2736. The American Falls hydro project is located at river mile 714.7. The original powerhouse was built in 1902 and used the head from the natural falls. In 1927, a dam was built for irrigation, but the additional head was not used for generation. The dam was rebuilt in 1977 and construction at the existing powerhouse was completed in 1978. This earth-filled structure is owned by U.S. Bureau of Reclamation and is used primarily for irrigation, and secondarily for power production and recreation

Milner

Reservoir Information[1]

(All measurements in feet unless otherwise noted)

	Units 1–2	Unit 3
Forebay Elevation		
Full	4,133.5	4,133.5
Minimum*	4,118.5	4,118.5
Normal Tailwater	3,975.0	4,077.1
Full Head	158.5	56.4

	Project Total
Surface Acres	4,000
Total Acre ft.	39,000
Usable Storage	
ft.	15.0
Acre ft.	34,000
Drainage Area (mi^2)	17,180

The Milner Hydroelectric Project (MLPR) is licensed as FERC Project 2899. Built in 1905, and then rebuilt in 1932, the dam is located at river mile 639.1. In 1992, the dam was rebuilt again and a powerhouse was constructed at river mile 638.0. Owned by Milner Dam, Incorporated, the earth-filled structure is operated primarily for irrigation purposes, and secondarily for power production and recreation.

Plant Information[2]

Number of Units		3
Maximum Capability (MW)		59.45
	Units 1–2	**Unit 3**
Hydraulic Capacity (cfs)		
Plant Total	5,489	225
Spillway Total*	—	40,225
Project Emergency*	—	116,750

*Free discharge valves are capable of passing approximate unit flow.

Twin Falls

Reservoir Information[1]

(All measurements in feet unless otherwise noted)

	Units 1	Unit 2
Forebay Elevation		
Full	3,511.4	3,511.4
Minimum	3,499.0	3,499.0
Normal Tailwater	3,366.0	3,366.0
Full Head	145.4	145.4

	Project Total
Surface Acres	85
Total Acre ft.	955
Usable Storage	
ft.	12.4
99%	> 1 ft
Acre ft.	895
Drainage Area (mi^2)	19,000

Plant Information[2]

Number of Units	2
Maximum Capacity (MW)	54.3
Hydraulic Capacity	
Plant Total	4,960
Spillway Total	
Project Emergency	60,000

The Twin Falls Hydroelectric Project (TFPR) is licensed as FERC Project 18. The project was built in 1935. A second unit was built in a new powerhouse in 1995. Located at river mile 617.4, and owned by Idaho Power Company, the concrete gravity structure is used primarily to produce power, and secondarily for recreation.

Shoshone Falls

Reservoir Information[1]

(All measurements in feet unless otherwise noted)

Forebay Elevation	
Full	3,354.5
License	3,353.5
Minimum	3,349.5
Normal Tailwater	3,150.0
Full Head	204.5
Surface Acres	86.0
Total Acre ft.	1,500.0
Usable Storage	
ft.	5.0
Acre ft.	374.0
License	1.0
Acre ft.	86.0
Drainage Area (mi^2)	19,500

Plant Information[2]

Number of Units	3
Maximum Capability (MW)	12.5
Hydraulic Capacity (cfs)	
Plant Total	950
Spillway Total	
Project Emergency	60,000

The Shoshone Falls Hydroelectric Project (SFPR) is licensed as FERC Project 2778. Built in 1907, this concrete gravity structure is located at river mile 614.7. A third unit was added in 1921. It is owned by Idaho Power Company and is used for power production.

Upper Salmon Falls

Reservoir Information[1]

(All measurements in feet unless otherwise noted)

	"A" Plant		"B" Plant	
	Units 1	Unit 2	Unit 3	Unit 4
Forebay Elevation				
Full	2,841.3	2,841.3	2,878.2	2,878.2
License			2,877.8	2,877.8
Minimum	2,841.3	2,841.3	2,876.2	2,876.2
Normal Tailwater	2,798.0	2,798.0	2,841.2	2,841.2
Full Head	43.3	43.3	37.0	37.0
Surface Acres		0		50
Total Acre ft.		0		600
Usable Storage				
ft.		0		2
License				0.5
Acre ft.		0		115
Drainage Area (mi^2)		32,200		32,200

"A" Plant

"B" Plant

Plant Information[2]

	"A" Plant	"B" Plant
Number of Units	2	2
Maximum Capability (MW)	20	19
Hydraulic Capacity (cfs)		
Plant Total	6,000	6,500
Spillway Total		
Project Emergency	100,000	100,000

The Upper Salmon Falls (A and B) Hydroelectric Project (USPR) is licensed as FERC Project 2777. Built in 1937, "A" Plant is located at river mile 579.6. "B" Plant, built in 1947, is located at river mile 580.8. The upper power canal delivers water from the diversion dam to "B" Plant. The lower power canal spills approximately 500 cfs over a side weir on the channel into the Dolman Rapids, sometimes called the Cavanaghs. The remainder feeds into "A" Plant. Flows in excess of plant capacity are spilled through the north channel at the diversion dam. The project is owned by Idaho Power Company and is used for power production.

Lower Salmon Falls

Reservoir Information[1]

(All measurements in feet unless otherwise noted)

Forebay Elevation	
Full	2,798.0
License ROR	2,797.0
License LF	2,976.0
Minimum	2,792.0
Normal Tailwater	2,739.0
Full Head	59.0
Surface Acres	748
Total Acre ft.	10,900
Usable Storage	
Total (ft)	6.0
Acre ft.	4,100
License ROR	1.0
Acre ft.	750
License LF	2.0
Acre ft.	1450
Drainage Area (mi^2)	32,280

Plant Information[2]

Number of Units	4
Maximum Capability (MW)	70.0
Hydraulic Capacity (cfs)	
Plant Total	17,200
Spillway Total	
Project Emergency	72,000

The Lower Salmon Falls Hydroelectric Project (LSPR) is licensed as FERC Project 2061. Built in 1910, it was rebuilt in 1949. This concrete gravity structure is located at river mile 573.0. Owned by Idaho Power Company, it is used primarily for power production, and secondarily for recreation.

Malad

Reservoir Information[1]

(All measurements in feet unless otherwise noted)

	Upper Malad	Lower Malad
Forebay Elevation		
Full	3,007.3	2,876.6
Minimum	3,007.3	2,876.6
Normal Tailwater	2,883.2	2,724.6
Full Head	124.1	152.0
Surface Acres	0	0
Total Acre ft.	0	0
Usable Storage		
ft.	0	0
Acre ft.	0.0	0.0
Drainage Area (mi^2)	3,000	3,000

Upper Malad

Lower Malad

Plant Information

	Upper Malad	Lower Malad
Number of Units	1	1
Maximum Capability (MW)	9	15
Hydraulic Capacity (cfs)		
Plant Total	800	1,416
Spillway Total	10,000	15,000

The Upper and Lower Malad Hydroelectric Projects (UMPR and LMPR) are licensed together as FERC Project 2726. Built in 1948, the Upper Malad Power Plant and the Lower Malad diversion structure is located at Malad river mile 1.0. The Upper Malad diversion dam, a concrete gravity structure, is located at Malad river mile 1.4. Built in 1911 and rebuilt in 1948, the Lower Malad powerhouse is located at Snake river mile 571.4 (Malad river mile 0.2). Its flow comes from the Malad river and springs, including a spring from under the upper plant. Both plants are owned by Idaho Power Company and are used for power production.

Bliss

Reservoir Information[1]

(All measurements in feet unless otherwise noted)

Forebay Elevation	
Full	2,654.0
License ROR	2,652.5
License LF	2,652.0
Minimum*	2,649.0
Normal Tailwater	2,584.0
Full Head	70.0
Surface Acres	255
Total Acre ft.	8,415
Usable Storage	
Total (ft)	5.0
Acre ft.	1,215
License ROR (ft)	1.5
Acre ft.	372
License LF (ft)	2.0
Acre ft.	500
Drainage Area (mi^2)	35,800

Plant Information[2]

Number of Units	3
Maximum Capability (MW)	80.0
Hydraulic Capacity (cfs)	
Plant Total	15,000
Spillway Total	
Project Emergency	100,000

The Bliss Hydroelectric Project (BSPO) is licensed as FERC Project 1975. Built in 1950, this concrete gravity structure is located at river mile 560.3. It is owned by Idaho Power Company and is used for power production.

C. J. Strike

Reservoir Information[1]

(All measurements in feet unless otherwise noted)

Forebay Elevation	
Full	2,455.0
License	2,453.5
Minimum	2,450.0
Normal Tailwater	2,367.0
Full Head	88.0
Surface Acres	7,500
Total Acre ft.	247,000
Usable Storage	
Total (ft)	5.0
Acre ft.	36,800
License (ft)	1.5
License (Acre ft.)	11,000
Drainage Area (mi^2)	40,800

Plant Information[2]

Number of Units	3
Maximum Capability (MW)	89.00
Hydraulic Capacity (cfs)	
Plant Total	15,500
Spillway Total	
Project Emergency	140,000

The C. J. Strike Hydroelectric Project (SKPR) is licensed as FERC Project 2055. Built in 1952, this earth-fill structure is located at river mile 494.0. It is owned by Idaho Power Company and is used primarily for power production, and secondarily for recreational purposes.

Swan Falls

Reservoir Information[1]

(All measurements in feet unless otherwise noted)

Forebay Elevation	
Full	2314
License	2310
Minimum*	2306.0
Normal Tailwater	2290.2
Full Head	24.0
Surface Acres	1,525
Total Acre ft.	7,425
Usable Storage	
Total (ft)	8.2
Acre ft.	6,745
License	4
Acre ft.	3,290
Drainage Area (mi^2)	41,900

*See "Irrigation"

Plant Information[2]

Number of Units	2
Maximum Capability (MW)	25.547
Hydraulic Capacity (cfs)	
Plant Total	20,400
Spillway Total	
Project Emergency	106,000

The Swan Falls Hydroelectric Project (SWPO) is licensed as FERC Project 503. Built in 1901, this concrete gravity structure is located at river mile 457.7. Additional units were added in 1918. The dam was rebuilt in 1986, and a new power house was constructed in 1994. The project is owned by Idaho Power Company and is used for power production.