

Appendix D

Literature Review Report

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RECLAMATION

Managing Water in the West

FINAL

Boise and Payette River Basins: Literature Report for Potential Water Storage Opportunities

Prepared for
Bureau of Reclamation

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CH2MHILL

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Acronyms and Abbreviations

USACE	U.S. Army Corps of Engineers
AF	acre-feet
BOR	U.S. Bureau of Reclamation
DCMI	Domestic, Commercial, Municipal, and Industrial
Ft	Feet
IDWR	Idaho Department of Water Resources
NWPPC	Northwest Power Planning Council
Reclamation	Bureau of Reclamation
SCS	Soil Conservation Service
USFS	U.S. Forest Service
USGS	U.S. Geologic Society

I. Summary of Literature Review

1. Literature Report

1.1 Introduction

This literature report has been prepared for the Bureau of Reclamation (Reclamation) to document available information regarding potential water storage opportunities within the Boise River and Payette River Basins in Southeastern Idaho. Both basins have been well studied since the 1940s and more than 200 documents have been published regarding local water supplies.

Available literature on potential water storage sites was reviewed and is summarized within this report. No filtering of information or judgment of conclusions has occurred, in order to provide a “pure” summary of what has been published previously.

Some sites have been more extensively studied (in numerous documents), while others represent only a dot on a map with no supporting information or justification. Because the objective of this project task is to coalesce existing information, if information is not included for a specific site (for example, potential storage capacity), then the reader can assume that this information was not available.

1.2 Organization

Existing information has been summarized in a number of different formats to facilitate the varied uses of the information. Section I contains a condensed report of potential on-stream, off-stream, existing, and unclassified facilities in the Boise River and Payette River Basins. A detailed bibliography, included in Section III, provides an evaluation of the quality and quantity of information contained in each document. A hardcopy of a summary electronic database is included in Section IV, while Section V references where copies of relevant information can be viewed.

1.3 Identification of Key Data Gaps

As mentioned previously, the quality of information for each potential storage site varies widely. In most cases, the underlying assumptions regarding potential storage capacity and hydrology are not provided. Because information on drainage area and hydrology (annual runoff) is inconsistent, the summary report does not present that information (although available data are captured in the database where available). This information is being addressed in much greater detail in subsequent phases of this project using the U.S. Geological Survey (USGS) StreamStat program to provide accuracy and consistency between sites. Very few of the documents reference or incorporate water right limitations for specific sites.

In addition, costs shown in the literature report summary are (in most cases) many years old and are generally not supported by detailed analysis. Where detailed cost information is

available, current cost indexing would need to be performed during subsequent phases of work. Where no cost information is available, current cost information would need to be developed during subsequent phases of work.

2. Boise River Basin

This chapter provides a summary of potential on-stream and off-stream storage sites in the Boise River Basin (see basin map in Section II for location of each site). Existing facilities are also listed and summarized. Those facilities that were not identified as either on-stream, off-stream, or existing are considered “unclassified.”

2.1 Potential On-stream Storage Sites (Boise)

Alexander Flats

Boise River Basin	Township: 05N County: ELMORE
Subbasin: NORTH AND MIDDLE FORK BOISE	Range: 07E Quad.: SHEEP CREEK
Type: On-stream	HUC: 17050111
Water Source(s)	Middle Fork Boise River
Reservoir Cap. (AF)	50,000 [1], 15,000 [2], 50,000 [12], 15,000 [20]
Documentation	Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1961 [12], United States Geological Survey, 1965 [20]
Estimated Cost	
Reason(s) Not Constructed	Twin Springs site preferred [12]
Summary	Dam would be 700-ft long for 15,000 AF capacity and 600-ft long for 50,000 AF capacity.

Bald Mountain

Boise River Basin	Township: 06N County: ELMORE
Subbasin: NORTH AND MIDDLE FORK BOISE	Range: 10E Quad.: ATLANTA WEST
Type: On-stream	HUC: 17050111
Water Source(s)	Middle Fork Boise River
Reservoir Cap. (AF)	
Documentation	Idaho Water Resources Research Institute, 1980 [5], United States Geological Survey, 1965 [20]
Estimated Cost	
Reason(s) Not Constructed	
Summary	Low-head (400-ft) dam with pipeline to powerhouse.

Barber Flats

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: On-stream

Township: 05N County: ELMORE
Range: 08E Quad.: BARBER FLAT
HUC: 17050111

Water Source(s) North Fork Boise River
Reservoir Cap. (AF) 76,000 [1], 76,000 [12]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1961 [12], Water Resources Research Institute, 1970 [21], United States Geological Survey, 1965 [20]
Estimated Cost
Reason(s) Not Constructed Twin Springs site preferred [12]
Summary Near Twin Springs predicted backwater limits, head of 500 ft (220 ft from a new dam and 280 ft from conduit to powerhouse).

Bascum Flats (aka: Bascum Ranch)

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: On-stream

Township: 03N County: ELMORE
Range: 11E Quad.: GROUSE BUTTE
HUC: 17050113

Water Source(s) South Fork Boise River
Reservoir Cap. (AF) 90,000 [1], 122,000 [12]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1961 [12], United States Geological Survey, 1965 [20]
Estimated Cost
Reason(s) Not Constructed Anderson Ranch Regulates Runoff [12]
Summary Dam (200-ft-high) near canyon downstream of Willow Creek.

Beaver Creek

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: On-stream

Township: 03N County: CAMAS
Range: 12E Quad.: JUMBO MOUNTAIN
HUC: 17050113

Water Source(s) South Fork Boise River
Reservoir Cap. (AF)
Documentation Bureau of Reclamation, 1961 [12]
Estimated Cost
Reason(s) Not Constructed Anderson Ranch Regulates Runoff [12]
Summary Run-of-river power development.

Big Smoky (aka: Bascombe Ranch) (aka: Upper Big Smoky)

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: On-stream

Township: 03N County: CAMAS
Range: 13E Quad.: BOARDMAN CREEK
HUC: 17050113

Water Source(s) South Fork Boise River

Reservoir Cap. (AF) 125,000 [1], 258,000 [12], 171,000 [21]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1955 [11], Bureau of Reclamation, 1961 [12], Water Resources Research Institute, 1970 [21], United States Geological Survey, 1965 [20]

Estimated Cost,

Reason(s) Not Constructed Anderson Ranch Regulates Runoff [12]

Summary Low-head dam with conduit (270-ft of gravity head) to powerhouse.

Blacks Creek

Boise River Basin
Subbasin: LOWER BOISE
Type: On-stream

Township: 02N County: ADA
Range: 02E Quad.: OWYHEE
HUC: 17050114

Water Source(s) Tenmile Creek

Reservoir Cap. (AF) 19,000 [12]

Documentation Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed Runoff inadequate [12]

Summary No description available.

Boise-Rochester

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: On-stream

Township: 06N County: ELMORE
Range: 011E Quad.: ATLANTA
HUC: 17050111

Water Source(s) Middle Fork Boise River

Reservoir Cap. (AF)

Documentation Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed Twin Springs site preferred [12]

Summary Run-of-river powerhead development.

Casey Ranch (aka: Dog Creek)

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: On-stream

Township: 02N County: ELMORE
Range: 10E Quad.: FEATHERVILLE
HUC: 17050113

Water Source(s) South Fork Boise River

Reservoir Cap. (AF) 270,000 [1], 64,000 [12], 369,000 [21]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Bureau of Reclamation, 1961 [12], Water Resources Research Institute, 1970 [21], Idaho Water Resources Research Institute, 1981 [26], United States Geological Survey, 1965 [20]

Estimated Cost

Reason(s) Not Constructed Anderson Ranch Regulates Runoff [12]

Summary Dam (280-ft high) at mile 61.7, with additional 102-ft head pipeline to powerhouse at Anderson Ranch backwater.

Deer Park

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: On-stream

Township: 07N County: BOISE
Range: 09E Quad.: BEAR RIVER
HUC: 17050111

Water Source(s) North Fork Boise River

Reservoir Cap. (AF)

Documentation Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed Twin Springs site preferred [12]

Summary Diversion dam and conduit for 330-ft powerhead development.

Dog Creek

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: On-stream

Township: 02N County: ELMORE
Range: 10E Quad.: FEATHERVILLE
HUC: 17050113

Water Source(s) South Fork Boise River

Reservoir Cap. (AF) 165,000 [1], 165,000 [12]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Bureau of Reclamation, 1955 [11], Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed Anderson Ranch Regulates Runoff [12]

Summary No description available.

Dutch Frank Hot Springs

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: On-stream

Township: 05N County: ELMORE
Range: 09E Quad.: GRAND MOUNTAIN
HUC: 17050111

Water Source(s) Middle Fork Boise River
Reservoir Cap. (AF)
Documentation Bureau of Reclamation, 1961 [12]
Estimated Cost
Reason(s) Not Constructed Twin Springs site preferred [12]
Summary Run-of-river powerhead development.

Featherville

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: On-stream

Township: 03N County: ELMORE
Range: 10E Quad.: GROUSE BUTTE
HUC: 17050113

Water Source(s) South Fork Boise River
Reservoir Cap. (AF) 34,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resources Research Institute, 1980 [5], Water Resources Research Institute, 1970 [21], United States Geological Survey, 1965 [20]
Estimated Cost
Reason(s) Not Constructed
Summary Narrow canyon at mile 70.8 limits capacity of reservoir with 150-ft head dam.

Graham

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: On-stream

Township: 08N County: BOISE
Range: 10E Quad.: SWANHOLM PEAK
HUC: 17050111

Water Source(s) North Fork Boise River
Reservoir Cap. (AF) 44,000 [1], 44,000 [12], 44,000 [20], 84,700 [21]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1961 [12], United States Geological Survey, 1965 [20], Water Resources Research Institute, 1970 [21]
Estimated Cost
Reason(s) Not Constructed Twin Springs site preferred [12]
Summary Low-head dam (1,100 ft long and 250 ft high).

Indian Point

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: On-stream

Township: 01S County: ELMORE
Range: 08E Quad.: LONG TOM RESERVOIR
HUC: 17050113

Water Source(s) South Fork Boise River

Reservoir Cap. (AF) 20,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1955 [11], United States Geological Survey, 1965 [20]

Estimated Cost

Reason(s) Not Constructed

Summary Low-head dam (98-ft high with 500-ft crest length) that would raise water to Anderson Ranch tailrace. Second option includes diversion tunnel for Long Tom project to Mountain Home that would carry 1,900 cfs.

King (aka: Boise King Powersite) (aka: Boise King Power Project Nos. 1 and 2)

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: On-stream

Township: 05N County: ELMORE
Range: 09E Quad.: BARBER FLAT
HUC: 17050111

Water Source(s) Middle Fork Boise River

Reservoir Cap. (AF) 56,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Water Resources Research Institute, 1970 [21], United States Geological Survey, 1965 [20], Idaho Water Resources Research Institute, 1980 [5]

Estimated Cost

Reason(s) Not Constructed Twin Springs site preferred [12]

Summary Run-of-river low-head (220-ft) dam for power generation.

Lake Creek

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: On-stream

Township: 06N County: ELMORE
Range: 010E Quad.: PFIFER CREEK
HUC: 17050111

Water Source(s) Middle Fork Boise River
Reservoir Cap. (AF)
Documentation Bureau of Reclamation, 1961 [12]
Estimated Cost
Reason(s) Not Constructed Twin Springs site preferred [12]
Summary Run-of-river powerhead development.

Little Smoky

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: On-stream

Township: 03N County: CAMAS
Range: 14E Quad.: SYDNEY BUTTE
HUC: 17050113

Water Source(s) Little Smoky Creek, South Fork Boise River
Reservoir Cap. (AF) 12,000 [1], 12,000 [12]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1961 [12], Water Resources Research Institute, 1970 [21]
Estimated Cost
Reason(s) Not Constructed Anderson Ranch Regulates Runoff [12]
Summary Proposed as a combined dam and conduit for Big Smoky via a 4.5-mile tunnel.

Long Gulch (aka: Big Fiddler)

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: On-stream

Township: 03N County: ELMORE
Range: 06E Quad.: LONG GULCH
HUC: 17050113

Water Source(s) South Fork Boise River
Reservoir Cap. (AF) 27,000 [5]
Documentation Idaho Water Resources Research Institute, 1980 [5], United States Geological Survey, 1965 [20], Water Resources Research Institute, 1970 [21], U.S. Army Corps of Engineers, 1976 [24]
Estimated Cost
Reason(s) Not Constructed
Summary Dam (259-ft of head) at Arrowrock backwater limit.

Lost Creek

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: On-stream

Township: 06N County: ELMORE
Range: 08E Quad.: BARBER FLAT
HUC: 17050111

Water Source(s) North Fork Boise River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], Water Resources Research Institute 1970 [21], United States Geological Survey, 1965 [20]

Estimated Cost

Reason(s) Not Constructed

Summary Low-head (135 ft high and 500 ft long) dam or 2.8-mile-long diversion to Big Owl tailrace.

Monarch

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: On-stream

Township: 06N County: ELMORE
Range: 010E Quad.: PFIFER CREEK
HUC: 17050111

Water Source(s) Middle Fork Boise River

Reservoir Cap. (AF)

Documentation Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed Twin Springs site preferred [12]

Summary Run-of-river powerhead development.

Raspberry (aka: Raspberry Joy)

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: On-stream

Township: 02N County: ELMORE
Range: 07E Quad.: DANSKIN PEAK
HUC: 17050113

Water Source(s) South Fork Boise River

Reservoir Cap. (AF) 160,000 [1], 145,000 [12], 180,000 [21]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1961 [12], United States Geological Survey, 1965 [20], Water Resources Research Institute, 1970 [21]

Estimated Cost

Reason(s) Not Constructed Anderson Ranch Regulates Runoff [12]

Summary Low-head (295 to 300 ft head) dams site in narrow canyon, with dam crest length of >800 ft.

Slide Gulch

Boise River Basin
Subbasin: BOISE-MORES
Type: On-stream

Township: 04N County: BOISE
Range: 06E Quad.: TWIN SPRINGS
HUC: 17050112

Water Source(s) Boise River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], Idaho National Engineering and Environmental Laboratory, 1998 [17], United States Geological Survey, 1965 [20], Water Resources Research Institute, 1970 [21]

Estimated Cost

Reason(s) Not Constructed

Summary Dam with 2-mile gravity tunnel to powerhouse at Arrowrock backwater limits. Head of 181 ft.

South Fork Boise River

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: On-stream

Township: 01N County: ELMORE
Range: 07E Quad.: CATHEDRAL ROCKS
HUC: 17050113

Water Source(s) South Fork Boise River

Reservoir Cap. (AF) 113,000 [1], 113,000 [12]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed Anderson Ranch Regulates Runoff [12]

Summary No description available.

Swanholm Creek

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: On-stream

Township: 05N County: ELMORE
Range: 09E Quad.: GRAND MOUNTAIN
HUC: 17050111

Water Source(s) Middle Fork Boise River

Reservoir Cap. (AF)

Documentation Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed Twin Springs site preferred [12]

Summary Run-of-river powerhead development.

Tin Cup Creek (aka: Upper 12HD 15)

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: On-stream

Township: 05N County: ELMORE
Range: 07E Quad.: BARBER FLAT
HUC: 17050111

Water Source(s) North Fork Boise River
Reservoir Cap. (AF) 152,000 [1]
Documentation Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1961 [12], Water Resources Research Institute, 1970 [21]
Estimated Cost
Reason(s) Not Constructed Twin Springs site preferred [12]
Summary Proposed as a diversion dam (180 ft powerhead) development.

Twin Springs

Boise River Basin
Subbasin: BOISE-MORES
Type: On-stream

Township: 04N County: ELMORE
Range: 07E Quad.: TWIN SPRINGS
HUC: 17050112

Water Source(s) Middle Fork Boise River
Reservoir Cap. (AF) 490,000 [1], 410,000 [7], 170,000 [10], 410,000 [12], 410,000 [20]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Idaho Water Resources Research Institute, 1980 [5], Idaho Water Resource Board, 1992 [6], Idaho Water Resource Board, 1996 [7], Bureau of Reclamation, 1938 [9], Bureau of Reclamation, 1940 [10], Bureau of Reclamation, 1955 [11], Bureau of Reclamation, 1961 [12], Idaho National Engineering and Environmental Laboratory, 1998 [17], United States Geological Survey, 1965 [20], Water Resources Research Institute, 1970 [21]
Estimated Cost \$30,258,000 [3]
Reason(s) Not Constructed Not economically feasible [1], compared to enlarging existing facilities.
Summary The reservoir basin occupies the gorge of the Middle Fork Boise River for a distance of 10 miles above the damsite and also extends up the North Fork Boise River for a distance of 5 miles. The capacity of 170,000 AF was selected as best meeting the uses for irrigation, flood control, and power development. Dam estimated to be 415 ft high with a total length of 1,700 ft (including spillway).

Worewick

Boise River Basin		Township: 03N	County: CAMAS
Subbasin: SOUTH FORK BOISE		Range: 14E	Quad.: SYDNEY BUTTE
Type: On-stream		HUC: 17050113	
Water Source(s)	Little Smoky Creek		
Reservoir Cap. (AF)	12,000 [1], 12,000 [12]		
Documentation	Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Bureau of Reclamation, 1961 [12], Water Resources Research Institute, 1970 [21]		
Estimated Cost			
Reason(s) Not Constructed	Anderson Ranch Regulates Runoff [12]		
Summary	No description available.		

Yuba

Boise River Basin		Township: 05N	County: ELMORE
Subbasin: NORTH AND MIDDLE FORK BOISE		Range: 11E	Quad.: ATLANTA WEST
Type: On-stream		HUC: 17050111	
Water Source(s)	Middle Fork Boise River		
Reservoir Cap. (AF)	90,000 [1]		
Documentation	Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resources Research Institute, 1980 [5], United States Geological Survey, 1965 [20]		
Estimated Cost			
Reason(s) Not Constructed	Twin Springs site preferred [12]		
Summary	Proposed low-head (200-ft-high) dam for hydropower with 4-mile gravity pipeline to powerhouse.		

2.2 Potential Off-stream Storage Sites (Boise)

Archie Mountain

Boise River Basin		Township: 08N	County: BOISE
Subbasin: NORTH AND MIDDLE FORK BOISE		Range: 08E	Quad.: JACKSON PEAK
Type: Off-stream		HUC: 17050111	
Water Source(s)	South Fork Payette River		
Reservoir Cap. (AF)	49,000 [1]		
Documentation	Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Bureau of Reclamation, 1961 [12]		
Estimated Cost			
Reason(s) Not Constructed	High unit costs [12]		
Summary	No description available.		

Bear Creek

Boise River Basin		Township: 03N	County: CAMAS
Subbasin: SOUTH FORK BOISE		Range: 13E	Quad.: BOARDMAN CREEK
Type: Off-stream		HUC: 17050113	
Water Source(s)	Salmon River		
Reservoir Cap. (AF)	400,000 [12]		
Documentation	Bureau of Reclamation, 1961 [12]		
Estimated Cost			
Reason(s) Not Constructed	Anderson Ranch Regulates Runoff [12]		
Summary	No description available.		

Bear River

Boise River Basin		Township: 06N	County: ELMORE
Subbasin: NORTH AND MIDDLE FORK BOISE		Range: 10E	Quad.: NAHNEKE MOUNTAIN
Type: Off-stream		HUC: 17050111	
Water Source(s)	North Fork Boise River, Crooked Rivers		
Reservoir Cap. (AF)	93,000 [1], 95,000 [4]		
Documentation	Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Idaho Water Resources Research Institute, 1979 [4]		
Estimated Cost			
Reason(s) Not Constructed	Anderson Ranch Regulates Runoff [12]		
Summary	Diversion from Salmon River.		

Big Gulch

Boise River Basin
Subbasin: LOWER BOISE
Type: Off-stream

Township: 05N County: ADA
Range: 01E Quad.: EAGLE
HUC: 17050114

Water Source(s) Boise River

Reservoir Cap. (AF) 36,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Idaho Water Resources Research Institute, 1979 [4]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Big Owl

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: Off-stream

Township: 07N County: ELMORE
Range: 09E Quad.: BEAR RIVER
HUC: 17050111

Water Source(s) North Fork Boise River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], United States Geological Survey, 1965 [20]

Estimated Cost

Reason(s) Not Constructed

Summary Divert water from mouth of Trail Creek over 6.5 miles (414 ft of head change) to powerhouse.

Blacks Creek Road

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: 02N County: ELMORE
Range: 05E Quad.: GRAPE MOUNTAIN
HUC: 17050113

Water Source(s) South Fork Boise River

Reservoir Cap. (AF) 44,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed Runoff inadequate [12]

Summary No description available.

Boardman Creek

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: 03N County: CAMAS
Range: 13E Quad.: BOARDMAN CREEK
HUC: 17050113

Water Source(s) South Fork Boise River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

Reason(s) Not Constructed

Summary Divert water from Big Smoky tailrace and carry 7 miles to powerhouse down 400-ft in elevation.

Cat Creek

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: 01S County: ELMORE
Range: 09E Quad.: ANDERSON RANCH DAM
HUC: 17050113

Water Source(s) South Fork Boise River

Reservoir Cap. (AF) 93,000 [1], 95,000 [4]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Idaho Water Resources Research Institute, 1979 [4]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Chadre

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: County:
Range: Quad.:
HUC:

Water Source(s) Payette River

Reservoir Cap. (AF) 24,000 [3]

Documentation U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Conswello

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: County:
Range: Quad.:
HUC:

Water Source(s) Payette River

Reservoir Cap. (AF) 56,000 [3]

Documentation U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Coyote Butte

Boise River Basin
Subbasin: LOWER BOISE
Type: Off-stream

Township: 02S County: ADA
Range: 03E Quad.: ORCHARD
HUC: 17050114

Water Source(s) Mora Canal
Reservoir Cap. (AF) 260,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]
Estimated Cost
Reason(s) Not Constructed
Summary Pump lift from Mora Canal, transport via 6.5-mile pipeline to reservoir, and release to Swan Falls powerhouse via 3.5-mile pipeline (powerhouse within Birds of Prey National Area).

Crooked River East

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: Off-stream

Township: 07N County: BOISE
Range: 07E Quad.: BIG OWL CREEK
HUC: 17050111

Water Source(s) South Fork Payette River
Reservoir Cap. (AF) 37,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

Crooked River West

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: Off-stream

Township: 07N County: BOISE
Range: 07E Quad.: BIG OWL CREEK
HUC: 17050111

Water Source(s) North Fork Boise River, South Fork Payette River
Reservoir Cap. (AF) 119,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

Dixie Creek

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: 01S County: ELMORE
Range: 08E Quad.: ANDERSON RANCH DAM
HUC: 17050113

Water Source(s) South Fork Boise River

Reservoir Cap. (AF) 46,000 [1], 47,000 [4]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Idaho Water Resources Research Institute, 1979 [4]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Dry Creek

Boise River Basin
Subbasin: LOWER BOISE
Type: Off-stream

Township: 04N County: ADA
Range: 02E Quad.: BOISE NORTH
HUC: 17050114

Water Source(s) Boise River, Payette River

Reservoir Cap. (AF) 53,000 [1], 54,000 [4], 220,000 [12]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Idaho Water Resources Research Institute, 1979 [4], Bureau of Reclamation, 1955 [11], Bureau of Reclamation, 1961 [12], Water Resources Research Institute, 1970 [21]

Estimated Cost

Reason(s) Not Constructed

Summary The site would likely be included in the Payette River–Garden Valley Complex. Without Payette River supplementation, the facility does not have sufficient runoff.

Dunnigan Creek

Boise River Basin
Subbasin: BOISE-MORES
Type: Off-stream

Township: 04N County: BOISE
Range: 04E Quad.: DUNNIGAN CREEK
HUC: 17050112

Water Source(s) South Fork Payette River, Mores Creek

Reservoir Cap. (AF) 240,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary This site would require a canal diversion from Mores Creek and would use on-stream flows in Grimes Creek. There is also the option of a very high-head pumped storage interchange with the South Fork of the Payette River. A brief economic costs appraisal indicates only a fair economic possibility.

Elk Creek

Boise River Basin
Subbasin: BOISE-MORES
Type: Off-stream

Township: 07N County: BOISE
Range: 06E Quad.: SUNSET MOUNTAIN
HUC: 17050112

Water Source(s) Mores Creek

Reservoir Cap. (AF) 41,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Firebird

Boise River Basin
Subbasin: LOWER BOISE
Type: Off-stream

Township: 05N County: ADA
Range: 01W Quad.: SOUTHEAST EMMETT
HUC: 17050114

Water Source(s) Payette River

Reservoir Cap. (AF) 67,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Granite Creek

Boise River Basin
Subbasin: BOISE-MORES
Type: Off-stream

Township: 07N County: BOISE
Range: 04E Quad.: PLACERVILLE
HUC: 17050112

Water Source(s) South Fork Payette River

Reservoir Cap. (AF) 48,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Grimes Creek

Boise River Basin
Subbasin: BOISE-MORES
Type: Off-stream

Township: 06N County: BOISE
Range: 04E Quad.: WARM SPRINGS POINT
HUC: 17050112

Water Source(s) South Fork Payette River, Grimes Creek

Reservoir Cap. (AF) 1,500,000 [3], 5,000 [21], 5,000 [12]

Documentation U.S. Army Corps of Engineers, 1981 [3], Water Resources Research Institute, 1970 [21], Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed Lucky Peak Regulation Runoff [12]

Summary Diversion from Payette, or small onsite facility for Grimes Creek.

Horseshoe Bend Road

Boise River Basin
Subbasin: LOWER BOISE
Type: Off-stream

Township: 05N County: ADA
Range: 01E Quad.: PEARL
HUC: 17050114

Water Source(s) Boise River
Reservoir Cap. (AF) 100,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

Indian Creek-Mayfield

Boise River Basin
Subbasin: LOWER BOISE
Type: Off-stream

Township: 01N County: ELMORE
Range: 05E Quad.: MAYFIELD
HUC: 17050114

Water Source(s) South Fork Boise River
Reservoir Cap. (AF) 52,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

Johnson Creek

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: 04N County: CAMAS
Range: 13E Quad.: NEWMAN PEAK
HUC: 17050113

Water Source(s) South Fork Boise River, Salmon River
Reservoir Cap. (AF) 180,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], United States Geological Survey, 1965 [20], Bureau of Reclamation, 1961 [12]
Estimated Cost
Reason(s) Not Constructed
Summary Divert Johnson Creek and Ross Fork drainages down a conveyance system down the South Fork Boise River to a power drop site near Skunk Creek. Gravity head of 900-ft to powerhouse at Big Smoky site. Alternative source would be diversion from Salmon River (otherwise runoff was thought to be inadequate for a run-of-river powerhead development).

Krall Mountain

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: 03N County: ELMORE
Range: 06E Quad.: LONG GULCH
HUC: 17050113

Water Source(s) South Fork Boise River
Reservoir Cap. (AF) 121,000 [3]
Documentation U.S. Army Corps of Engineers, 1981 [3]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

Lanktree Gulch

Boise River Basin
Subbasin: LOWER BOISE
Type: Off-stream

Township: 05N County: CANYON
Range: 02W Quad.: MIDDLETON
HUC: 17050114

Water Source(s) Boise River
Reservoir Cap. (AF) 22,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]
Estimated Cost
Reason(s) Not Constructed
Summary Water would be diverted from the Boise River via the Farmers Union Canal.

Little Gulch

Boise River Basin
Subbasin: LOWER BOISE
Type: Off-stream

Township: 05N County: ADA
Range: 01E Quad.: SOUTHEAST EMMETT
HUC: 17050114

Water Source(s) Boise River
Reservoir Cap. (AF) 16,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

Lime Creek

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: 01N County: ELMORE
Range: 11E Quad.: SPROUT MOUNTAIN
HUC: 17050113

Water Source(s) Lime Creek

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], United States Geological Survey, 1965 [20]

Estimated Cost

Reason(s) Not Constructed Recommended specifically for protection as protected river.

Summary Diversion to Anderson Ranch backwater (5.0 miles).

Lower Crooked River

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: County:
Range: Quad.:
HUC:

Water Source(s) North Fork Boise River, South Fork Payette River

Reservoir Cap. (AF) 250,000 [3]

Documentation U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Lower Dry Creek

Boise River Basin
Subbasin: LOWER BOISE
Type: Off-stream

Township: 05N County: ADA
Range: 02E Quad.: EAGLE
HUC: 17050114

Water Source(s) Boise River

Reservoir Cap. (AF) 43,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Lower Feather River

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: 04N County: ELMORE
Range: 10E Quad.: CAYUSE POINT
HUC: 17050113

Water Source(s) South Fork Boise River

Reservoir Cap. (AF) 24,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Lower Little Smoky Creek

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: 04N County: CAMAS
Range: 14E Quad.: PARADISE PEAK
HUC: 17050113

Water Source(s) Big Smoky Creek, South Fork Boise River

Reservoir Cap. (AF) 76,000 [3]

Documentation U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed Anderson Ranch Regulates Runoff [12]

Summary No description available.

Magello

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: County:
Range: Quad.:
HUC:

Water Source(s) Payette River

Reservoir Cap. (AF) 27,000 [3]

Documentation U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Meadow Creek

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: Off-stream

Township: 05N County: BOISE
Range: 07E Quad.: RABBIT CREEK SUMMIT
HUC: 17050111

Water Source(s) Crooked Rivers, North Fork Boise River
Reservoir Cap. (AF) 44,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

Middleton

Boise River Basin
Subbasin: LOWER BOISE
Type: Off-stream

Township: 05N County: CANYON
Range: 02W Quad.: MIDDLETON
HUC: 17050114

Water Source(s) Payette River
Reservoir Cap. (AF) 29,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

Moore's Flat

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: 01N County: ELMORE
Range: 10E Quad.: PINE
HUC: 17050113

Water Source(s) South Fork Boise River
Reservoir Cap. (AF) 52,000 [1], 55,000 [4]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Idaho Water Resources Research Institute, 1979 [4]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

Pioneerville

Boise River Basin
Subbasin: BOISE-MORES
Type: Off-stream

Township: 07N County: BOISE
Range: 05E Quad.: PIONEERVILLE
HUC: 17050112

Water Source(s) South Fork Payette River
Reservoir Cap. (AF) 58,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

Placerville

Boise River Basin
Subbasin: BOISE-MORES
Type: Off-stream

Township: 07N County: BOISE
Range: 05E Quad.: PLACERVILLE
HUC: 17050112

Water Source(s) South Fork Payette River
Reservoir Cap. (AF) 21,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

Rabbit Creek (aka: Lower 12HD 15)

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: Off-stream

Township: 05N County: BOISE
Range: 07E Quad.: BARBER FLAT
HUC: 17050111

Water Source(s) North Fork Boise River, Crooked River
Reservoir Cap. (AF) 152,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1961 [12], Water Resources Research Institute, 1970 [21]
Estimated Cost
Reason(s) Not Constructed Twin Springs site preferred [12]
Summary Run-of-river powerhead development.

Sand Hollow Gulch (aka: Sand Hollow Creek)

Boise River Basin
Subbasin: LOWER BOISE
Type: Off-stream

Township: 05N County: CANYON
Range: 04W Quad.: PARMA SE
HUC: 17050114

Water Source(s) Payette River, Boise River

Reservoir Cap. (AF) 41,000 [1], 42,000 [4], 39,000 [12]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Idaho Water Resources Research Institute, 1979 [4], Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed Land in reservoir area developed under Boise-Payette project [12]

Summary No description available.

Sawmill

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: 02N County: ELMORE
Range: 09E Quad.: HOUSE MOUNTAIN
HUC: 17050113

Water Source(s) Fall Creek

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], United States Geological Survey, 1965 [20]

Estimated Cost

Reason(s) Not Constructed

Summary Divert Fall Creek to Anderson Ranch backwater.

Sebree

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: County:
Range: Quad.:
HUC:

Water Source(s) Payette River, Boise River

Reservoir Cap. (AF) 30,000 [3]

Documentation U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Stuart Gulch

Boise River Basin
Subbasin: LOWER BOISE
Type: Off-stream

Township: 04N County: ADA
Range: 02E Quad.: BOISE NORTH
HUC: 17050114

Water Source(s) Boise River
Reservoir Cap. (AF) 37,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

Trapper Flat

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: Off-stream

Township: 08N County: BOISE
Range: 09E Quad.: JACKSON PEAK
HUC: 17050111

Water Source(s) South Fork Payette River
Reservoir Cap. (AF) 178,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

Trinity Mountain

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: County:
Range: Quad.:
HUC:

Water Source(s) South Fork Boise River
Reservoir Cap. (AF) 104,000 [3]
Documentation U.S. Army Corps of Engineers, 1981 [3]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

Upper Crooked River

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: Off-stream

Township: 06N County: BOISE
Range: 08E Quad.: BARBER FLAT
HUC: 17050111

Water Source(s) South Fork Payette River

Reservoir Cap. (AF) 49,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Upper Feather River

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: County:
Range: Quad.:
HUC:

Water Source(s) South Fork Boise River

Reservoir Cap. (AF) 70,000 [3]

Documentation U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Upper Little Smoky Creek

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: 03N County: CAMAS
Range: 14E Quad.: DOLLARHIDE MOUNTAIN
HUC:

Water Source(s) Big Smoky Creek, South Fork Boise River

Reservoir Cap. (AF) 87,000 [3]

Documentation U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Upper Willow Creek

Boise River Basin
Subbasin: LOWER BOISE
Type: Off-stream

Township: 06N County: GEM
Range: 01W Quad.: SOUTHEAST EMMETT
HUC: 17050114

Water Source(s) Payette River

Reservoir Cap. (AF) 31,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

West Hartley Gulch

Boise River Basin
Subbasin: LOWER BOISE
Type: Off-stream

Township: 06N County: GEM
Range: 03W Quad.: SAND HOLLOW
HUC: 17050114

Water Source(s) Boise River, Payette River

Reservoir Cap. (AF) 31,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Willow Creek

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: 03N County: ELMORE
Range: 05E Quad.: GRAPE MOUNTAIN
HUC: 17050113

Water Source(s) South Fork Boise River

Reservoir Cap. (AF) 46,000 [4]

Documentation Idaho Water Resources Research Institute, 1979 [4]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Woods Gulch

Boise River Basin
Subbasin: LOWER BOISE
Type: Off-stream

Township: 05N County: ADA
Range: 01E Quad.: EAGLE
HUC: 17050114

Water Source(s) Boise River
Reservoir Cap. (AF) 26,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

2.3 Existing Storage Sites (Boise)

Anderson Ranch

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Existing

Township: 01S County: ELMORE
Range: 08E Quad.: ANDERSON RANCH D.
HUC: 17050113

Water Source(s) South Fork Boise River
Reservoir Cap. (AF) 30,000 [16]
Documentation Bureau of Reclamation, 2005 [16], Idaho National Engineering and Environmental Laboratory, 1998 [17]
Estimated Cost
Reason(s) Not Constructed
Summary Earthfill dam completed in 1950. Height 456 ft. Operated by BOR as a multi-purpose facility providing irrigation, power, flood control, and silt control. Exploration of two dam raise options – one identified by water users (6 ft), another for maximum flood safety and terrorist threats (16 ft). Current (2005) cost estimates included.

Arrowrock

Boise River Basin
Subbasin: BOISE-MORES
Type: Existing

Township: 03N County: BOISE
Range: 04E Quad.: ARROWROCK DAM
HUC: 17050112

Water Source(s) Boise River

Reservoir Cap. (AF) 3,155 [11], 35,290 [16], 6,336 [17]

Documentation Bureau of Reclamation, 1955 [11], Bureau of Reclamation, 2005 [16], Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

Reason(s) Not Constructed

Summary Concrete arch dam completed in 1915 and modified in 1937. Structural height of 350 ft. Operated by BOR as a multi-purpose facility providing flood control, power, irrigation, and recreation. New clam shell gates were installed in 2004.

Hubbard

Boise River Basin
Subbasin: LOWER BOISE
Type: Existing

Township: 02N County: ADA
Range: 01E Quad.: CLOVERDALE
HUC: 17050114

Water Source(s)

Reservoir Cap. (AF) 4,060 [14]

Documentation Bureau of Reclamation, 1979 [14]

Estimated Cost

Reason(s) Not Constructed

Summary Off-stream storage facility constructed in 1902. Shallow earthfill dam that contains little water most of the year. The main function of the reservoir is to provide emergency storage of water from the New York Canal. Rehabilitation of the reservoir due to Reclamation operation restrictions.

Lucky Peak

Boise River Basin
Subbasin: LOWER BOISE
Type: Existing

Township: 02N County: ADA
Range: 03E Quad.: LUCKY PEAK
HUC: 17050114

Water Source(s) Boise River
Reservoir Cap. (AF) 35,000 [19]
Documentation Bureau of Reclamation, 1994 [1], Idaho Department of Water Resources, 2004 [19], U.S. Army Corps of Engineers, 1995 [25]
Estimated Cost
Reason(s) Not Constructed Expansion precluded due to high capital cost [1]
Summary Earthfilled dam completed in 1961. Operated by USCOE for multiple uses that include flood control, irrigation, recreation, and fish and wildlife purposes. The power facility is operated by Seattle City Light and Power.

2.4 Unclassified Storage Sites (Boise)

12HD 1

Boise River Basin
Subbasin: BOISE-MORES
Type: Unclassified

Township: 04N County: BOISE
Range: 06E Quad.: TWIN SPRINGS
HUC: 17050112

Water Source(s) Boise River
Reservoir Cap. (AF) 220,000 AF [12]
Documentation Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1961 [12], Water Resources Research Institute, 1970 [21]
Estimated Cost
Reason(s) Not Constructed Twin Springs site preferred [12]
Summary Run-of-river hydropower development. Possibly included in Payette – Garden Valley diversion plan, otherwise insufficient runoff.

12HD 3

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: Unclassified

Township: 06N County: ELMORE
Range: 11E Quad.: ATLANTA EAST
HUC: 17050111

Water Source(s) Middle Fork Boise River
Reservoir Cap. (AF)
Documentation Idaho Water Resources Research Institute, 1980 [5]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

12HD 4

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: Unclassified

Township: 06N County: ELMORE
Range: 11E Quad.: ATLANTA WEST
HUC: 17050111

Water Source(s) Middle Fork Boise River
Reservoir Cap. (AF)
Documentation Idaho Water Resources Research Institute, 1980 [5]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

12HD 6

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: Unclassified

Township: 06N County: ELMORE
Range: 10E Quad.: PHIFER CREEK
HUC: 17050111

Water Source(s) Middle Fork Boise River
Reservoir Cap. (AF)
Documentation Idaho Water Resources Research Institute, 1980 [5]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

12HD 7

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: Unclassified

Township: 06N County: ELMORE
Range: 10E Quad.: PHIFER CREEK
HUC: 17050111

Water Source(s) Middle Fork Boise River
Reservoir Cap. (AF)
Documentation Idaho Water Resources Research Institute, 1980 [5]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

12HD 9

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: Unclassified

Township: 05N County: ELMORE
Range: 09E Quad.: GRAND MOUNTAIN
HUC: 17050111

Water Source(s) Middle Fork Boise River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5]

Estimated Cost

*Reason(s) Not
Constructed*

Summary No description available.

12HD 10

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: Unclassified

Township: 05N County: ELMORE
Range: 09E Quad.: GRAND MOUNTAIN
HUC: 17050111

Water Source(s) Middle Fork Boise River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5]

Estimated Cost

*Reason(s) Not
Constructed*

Summary No description available.

12HD 11

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: Unclassified

Township: 05N County: ELMORE
Range: 08E Quad.: GRAND MOUNTAIN
HUC: 17050111

Water Source(s) Middle Fork Boise River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1961 [12]

Estimated Cost

*Reason(s) Not
Constructed* Twin Springs site preferred [12]

Summary Run-of-river hydropower development.

12HD 13 (aka: Lower Deer Park)

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: Unclassified

Township: 06N County: BOISE
Range: 08E Quad.: BEAR RIVER
HUC: 17050111

Water Source(s) North Fork Boise River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1961 [12], Water Resources Research Institute, 1970 [21]

Estimated Cost

Reason(s) Not Constructed Twin Springs site preferred [12]

Summary Proposed as a diversion dam (220 ft powerhead) development.

12HD 14 (aka: Tin Cup)

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: Unclassified

Township: 06N County: ELMORE
Range: 08E Quad.: BIG OWL CREEK
HUC: 17050111

Water Source(s) North Fork Boise River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1961 [12], Water Resources Research Institute, 1970 [21]

Estimated Cost

Reason(s) Not Constructed Twin Springs site preferred [12]

Summary Proposed as a diversion dam (200 ft powerhead) development.

12HD 17

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township: 03N County: CAMAS
Range: 12E Quad.: BOARDMAN CREEK
HUC: 17050113

Water Source(s) South Fork Boise River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1961 [12], Water Resources Research Institute, 1970 [21]

Estimated Cost

Reason(s) Not Constructed High unit cost

Summary Run-of-river hydropower development.

12HD 18

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township: 03N County: CAMAS
Range: 12E Quad.: JUMBO MOUNTAIN
HUC: 17050113

Water Source(s) South Fork Boise River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], Water Resources Research Institute 1970 [21]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Alva Greene

Boise River Basin
Subbasin: MIDDLE SALMON-PANTHER
Type: Unclassified

Township: 10N County: LEMHI
Range: 05E Quad.: ULYSSES MOUNTAIN
HUC: 17060203

Water Source(s) Middle Fork Boise River

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Anderson Ranch Rereg No 1

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township: 01S County: ELMORE
Range: 08E Quad.: ANDERSON RANCH DAM
HUC: 17050113

Water Source(s) South Fork Boise River

Reservoir Cap. (AF) 770 [27]

Documentation Water and Power Resources Service, 1980 [27]

Estimated Cost

Reason(s) Not Constructed

Summary Earthfill dam re-regulation site in steep canyon (9,200 ft downstream from Anderson Ranch Dam) with poor foundation materials. Dam would be 36 ft high, with a 450 ft crest length, USFS access road would need to be relocated.

Anderson Ranch Rereg No 2

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township: 01S County: ELMORE
Range: 08E Quad.: ANDERSON RANCH DAM
HUC: 17050113

Water Source(s) South Fork Boise River

Reservoir Cap. (AF) 2,600 [27]

Documentation Water and Power Resources Service, 1980 [27]

Estimated Cost

Reason(s) Not
Constructed

Summary Earthfill dam re-regulation site in steep canyon downstream from Anderson Ranch Dam with poor foundation materials. Dam would be 48 ft high, with a 560 ft crest length.

Atlanta

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: Unclassified

Township: 06N County: ELMORE
Range: 12E Quad.: ATLANTA EAST
HUC: 17050111

Water Source(s) Middle Fork Boise River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5]

Estimated Cost

Reason(s) Not
Constructed

Summary No description available.

Blacks Lake

Boise River Basin
Subbasin:
Type: Unclassified

Township: County:
Range: Quad.:
HUC:

Water Source(s) Blacks Creek, Tenmile Creek, Boise River

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

Reason(s) Not
Constructed

Summary No description available.

GWP 13

Boise River Basin
Subbasin:
Type: Unclassified

Township:
Range:
HUC:

County:
Quad.:

Water Source(s) Boise River

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

North Fork Boise River

Boise River Basin
Subbasin:
Type: Unclassified

Township:
Range:
HUC:

County:
Quad.:

Water Source(s) North Fork Boise River

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Trail Creek

Boise River Basin
Subbasin: NORTH AND MIDDLE FORK BOISE
Type: Unclassified

Township: 07N County: BOISE
Range: 10E Quad.: SWANHOLM PEAK
HUC: 17050111

Water Source(s) North Fork Boise River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], United States Geological Survey, 1965 [20]

Estimated Cost

Reason(s) Not Constructed

Summary Diversion conduit with 5.8-mile pipeline to powerhouse.

Unnamed, Fall Creek

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township: 02N County: ELMORE
Range: 10E Quad.: PINE
HUC: 17050113

Water Source(s) Fall Creek

Reservoir Cap. (AF)

Documentation Idaho Department of Water Resources, 1990 [23]

Estimated Cost

*Reason(s) Not
Constructed*

Summary No description available.

Unnamed, Fall Creek

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township: 01N County: ELMORE
Range: 09E Quad.: HOUSE MOUNTAIN
HUC: 17050113

Water Source(s) Fall Creek

Reservoir Cap. (AF)

Documentation Idaho Department of Water Resources, 1990 [23]

Estimated Cost

*Reason(s) Not
Constructed*

Summary No description available.

Unnamed, Lime Creek

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township: 01N County: ELMORE
Range: 10E Quad.: PINE
HUC: 17050113

Water Source(s) Lime Creek

Reservoir Cap. (AF)

Documentation Idaho Department of Water Resources, 1990 [23]

Estimated Cost

*Reason(s) Not
Constructed*

Summary No description available.

Unnamed, SF Boise

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township: 05N County: CAMAS
Range: 13E Quad.: MARSHALL PEAK
HUC: 17050113

Water Source(s) South Fork Boise River

Reservoir Cap. (AF)

Documentation Idaho Department of Water Resources, 1990 [23]

Estimated Cost

*Reason(s) Not
Constructed*

Summary No description available.

Unnamed, SF Boise

Boise River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township: 03N County: CAMAS
Range: 14E Quad.: SYDNEY BUTTE
HUC: 17050113

Water Source(s) South Fork Boise River

Reservoir Cap. (AF)

Documentation Idaho Department of Water Resources, 1990 [23]

Estimated Cost

*Reason(s) Not
Constructed*

Summary No description available.

3. Payette River Basin

This chapter provides a summary of potential on-stream and off-stream storage sites in the Payette River Basin (see basin map in Section II for location of each site). Existing facilities are also listed and summarized. Those facilities that were not identified as either on-stream, off-stream, or existing are considered “unclassified.”

3.1 Potential On-stream Storage Sites (Payette)

Alkali Creek

Payette River Basin
Subbasin: PAYETTE
Type: On-stream

Township: 09N County:
Range: 02W Quad.:
HUC: 17050122

Water Source(s) Alkali Creek, Willow Creek

Reservoir Cap. (AF) 5,000 [12]

Documentation Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Inadequate runoff [12]

Constructed

Summary No description available.

Archie Creek (aka: Kirkham Hot Springs)

Payette River Basin
Subbasin: SOUTH FORK PAYETTE
Type: On-stream

Township: 09N County: BOISE
Range: 08E Quad.: JACKSON PEAK
HUC: 17050120

Water Source(s) South Fork Payette River

Reservoir Cap. (AF) 140,000 [1], 270,000 [21]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resources Research Institute, 1980 [5], United States Geological Survey, 1965 [20], Water Resources Research Institute, 1970 [21], Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not High unit cost [12], Road and game preserve [12]

Constructed

Summary Dam (374 ft) with estimated 35-100 ft of powerhead.

Big Pine Creek

Payette River Basin
Subbasin: SOUTH FORK PAYETTE
Type: On-stream

Township: 09N County: BOISE
Range: 06E Quad.: GRIMES PASS
HUC: 17050120

Water Source(s) South Fork Payette River

Reservoir Cap. (AF) 110,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resources Research Institute, 1980 [5], United States Geological Survey, 1965 [20], Water Resources Research Institute, 1970 [21], Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed Garden Valley site preferred [12]

Summary Run-of-river powerhead development (295 ft) between Oxbow site tailwater and Garden Valley backwater (reach includes Pine Flats site).

Bogus Creek

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: On-stream

Township: 11N County: VALLEY
Range: 03E Quad.: SMITHS FERRY
HUC: 17050123

Water Source(s) North Fork Payette River

Reservoir Cap. (AF) 33,000 [1], 33,000 [8], 33,000 [18]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resources Research Institute, 1980 [5], Idaho Water Resource Board, 1999 [8], Idaho National Engineering and Environmental Laboratory, 1998 [17], Idaho Department of Water Resources, 1976 [18], United States Geological Survey, 1965 [20]

Estimated Cost

Reason(s) Not Constructed

Summary Low-head development (182 ft) at mile 19.8, replaces Cabarton site. Narrow canyon damsite with infrastructure concerns upstream from Upper Scriver Creek backwater limit.

Boiling Springs

Payette River Basin
Subbasin: MIDDLE FORK PAYETTE
Type: On-stream

Township: 11N County: VALLEY
Range: 05E Quad.: BOILING SPRING
HUC: 17050121

Water Source(s) Middle Fork Payette River

Reservoir Cap. (AF) 70,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], United States Geological Survey, 1965 [20]

Estimated Cost

Reason(s) Not Constructed

Summary Dam (200 ft high) at backwater limit of Rocky Canyon site, carrying water 250 ft via 4.0-mile gravity conduit to mouth of Silver Creek.

Bull Trout Lake

Payette River Basin
Subbasin: SOUTH FORK PAYETTE
Type: On-stream

Township: 11N County: BOISE
Range: 10E Quad.: BULL TROUT POINT
HUC: 17050120

Water Source(s) Warm Springs Creek

Reservoir Cap. (AF) 15,000 [12]

Documentation Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed Unfavorable geology, possible excessive leakage [12]

Summary No description available.

Cabarton

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: On-stream

Township: 13N County: VALLEY
Range: 04E Quad.: ALPHA
HUC: 17050123

Water Source(s) North Fork Payette River

Reservoir Cap. (AF) 1,400,000 [1], 66,000 - 95,000 [4], 1,400,000 [12]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1938 [9], Bureau of Reclamation, 1955 [11], Bureau of Reclamation, 1961 [12]

Estimated Cost \$622,000 - \$950,000 [9]

Reason(s) Not Constructed Cascade Reservoir constructed upstream [12]

Summary No description available.

Canyon Creek

Payette River Basin
Subbasin: SOUTH FORK PAYETTE
Type: On-stream

Township: 10N County: BOISE
Range: 10E Quad.: GRANDJEAN
HUC: 17050120

Water Source(s) South Fork Payette River
Reservoir Cap. (AF) 33,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resources Research Institute, 1980 [5], United States Geological Survey, 1965 [20], Water Resources Research Institute, 1970 [21], Bureau of Reclamation, 1961 [12]
Estimated Cost
Reason(s) Not Constructed High unit cost [12]
Summary Low-head dam (225 ft of powerhead).

Casner Creek (aka: 12HG 11)

Payette River Basin
Subbasin: SOUTH FORK PAYETTE
Type: On-stream

Township: 09N County: BOISE
Range: 09E Quad.: JACKSON PEAK
HUC: 17050120

Water Source(s) South Fork Payette River
Reservoir Cap. (AF) 142,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resources Research Institute, 1980 [5], United States Geological Survey, 1965 [20], Water Resources Research Institute, 1970 [21], Bureau of Reclamation, 1961 [12]
Estimated Cost
Reason(s) Not Constructed High unit cost [12]
Summary Dam (440 ft high) would flood Warm Springs, possible hydropower.

Cottonwood Creek

Payette River Basin
Subbasin: PAYETTE
Type: On-stream

Township: 10N County: GEM
Range: 01E Quad.: OLA
HUC: 17050122

Water Source(s) Squaw Creek
Reservoir Cap. (AF) 50,000 [1], 50,000 [12]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Water Resources Research Institute, 1970 [21], Bureau of Reclamation, 1961 [12]
Estimated Cost
Reason(s) Not Constructed Adjacent farm area [12]
Summary No description available.

Garden Valley

Payette River Basin
Subbasin: PAYETTE
Type: On-stream

Township: 09N County: BOISE
Range: 03E Quad.: BANKS
HUC: 17050122

Water Source(s) North Fork Payette River, Payette River, South Fork Payette River

Reservoir Cap. (AF) 1,940,000 [1], 2,400,000 [3], 1,940,000 [8], 1,330,000 [9], 1,940,000 [12], 1,940,000 [20], 2,400,000 [22]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Idaho Water Resources Research Institute, 1980 [5], Idaho Water Resource Board, 1999 [8], Bureau of Reclamation, 1938 [9], Bureau of Reclamation, 1955 [11], Bureau of Reclamation, 1961 [12], Bureau of Reclamation, 1966 [13], United States Geological Survey, 1965 [20], Water Resources Research Institute, 1970 [21], Southwest Idaho Water Development Project, 1966 [22]

Estimated Cost \$50,805,000 [3], \$9,600,000 [9]

Reason(s) Not Constructed

Summary Diversion facilities would take water from the North Fork Payette River through Scriver Creek power facilities to the reservoir site. A re-regulating dam would be located about 3 miles downstream of the Garden Valley Dam.

Garden Valley Re-regulating

Payette River Basin
Subbasin: PAYETTE
Type: On-stream

Township: 09N County: BOISE
Range: 03E Quad.: BANKS
HUC: 17050122

Water Source(s) South Fork Payette River, Payette River

Reservoir Cap. (AF) 8,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1966 [13], United States Geological Survey, 1965 [20], Water Resources Research Institute, 1970 [21]

Estimated Cost

Reason(s) Not Constructed

Summary Dam at mile 73.5 (130 ft high and 435 ft crest length), potential powerhead of 120 ft.

Gold Fork

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: On-stream

Township: 16N County: VALLEY
Range: 04E Quad.: SLOANS POINT
HUC: 17050123

Water Source(s) Gold Fork River

Reservoir Cap. (AF) 79,700 [8], 80,000 [9], 80,000 [12], 80,000 [18]

Documentation Idaho Water Resources Research Institute, 1980 [5], Idaho Water Resource Board, 1996 [7], Idaho Water Resource Board, 1999 [8], Bureau of Reclamation, 1938 [9], Bureau of Reclamation, 1961 [12], Idaho Department of Water Resources, 1976 [18]

Estimated Cost

Reason(s) Not Constructed High construction cost and conflict with irrigation development [1]

Summary Proposed new canal construction to supply for 10,000 acres. Redistribution system proposed between Boulder and Lake Fork Creeks. The project proposes a dam, reservoir, canals, lateral systems, fish facilities, and maintenance facilities. A very limited cost to benefit analysis is conducted.

Grand Jean

Payette River Basin
Subbasin: SOUTH FORK PAYETTE
Type: On-stream

Township: 09N County: BOISE
Range: 11E Quad.: GRANDJEAN
HUC: 17050120

Water Source(s) South Fork Payette River

Reservoir Cap. (AF) 88,000 [1], 88,000 [8], 90,000 [9], 88,000 [12]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resource Board, 1999 [8], Bureau of Reclamation, 1938 [9], Bureau of Reclamation, 1961 [12], United States Geological Survey, 1965 [20], Water Resources Research Institute, 1970 [21]

Estimated Cost

Reason(s) Not Constructed Mining claim inundation, high const. cost [1], Garden Valley site preferred [12]

Summary Potential powerhead of 260 ft.

Horseshoe Bend

Payette River Basin
Subbasin: PAYETTE
Type: On-stream

Township: 07N County: BOISE
Range: 02E Quad.: MONTOUR
HUC: 17050122

Water Source(s) Payette River
Reservoir Cap. (AF) 480,000 [1], 600,000 [21]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resources Research Institute, 1980 [5], Water Resources Research Institute, 1970 [21]
Estimated Cost
Reason(s) Not Constructed Garden Valley site preferred [12]
Summary Dam at mile 52.4, potential powerhead of 575 ft Potential right-of-way issues.

Jake's Creek

Payette River Basin
Subbasin: PAYETTE
Type: On-stream

Township: 09N County: PAYETTE
Range: 01W Quad.: SQUAW BUTTE
HUC: 17050122

Water Source(s) Jake's Creek, Willow Creek
Reservoir Cap. (AF) 3,800 [12]
Documentation Bureau of Reclamation, 1961 [12]
Estimated Cost
Reason(s) Not Constructed Inadequate runoff [12]
Summary No description available.

Lowman

Payette River Basin
Subbasin: SOUTH FORK PAYETTE
Type: On-stream

Township: 09N County: BOISE
Range: 07E Quad.: PINE FLAT
HUC: 17050120

Water Source(s) South Fork Payette River
Reservoir Cap. (AF)
Documentation Idaho Water Resources Research Institute, 1980 [5], Water Resources Research Institute 1970 [21], Bureau of Reclamation, 1961 [12]
Estimated Cost
Reason(s) Not Constructed Land use issue in Lowman area [12]
Summary Powerhead of 50 ft.

MacIntyre Gulch

Payette River Basin
Subbasin: PAYETTE
Type: On-stream

Township: 09N County: PAYETTE
Range: 03W Quad.: SHEEP RIDGE
HUC: 17050122

Water Source(s) MacIntyre Gulch, Little Willow Creek
Reservoir Cap. (AF) 1,000 [12]
Documentation Bureau of Reclamation, 1961 [12]
Estimated Cost
Reason(s) Not Constructed Runoff controlled by upstream reservoir [12]
Summary No description available.

Ola (aka: Squaw Creek) (aka: Squaw Valley)

Payette River Basin
Subbasin: PAYETTE
Type: On-stream

Township: 09N County: GEM
Range: 01E Quad.: OLA
HUC: 17050122

Water Source(s) Squaw Creek, Little Squaw Creek
Reservoir Cap. (AF) 93,000 [1], 50,000 [9], 93,000 [12]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1938 [9], Bureau of Reclamation, 1961 [12], Water Resources Research Institute, 1970 [21], Bureau of Reclamation, 1955 [11]
Estimated Cost
Reason(s) Not Constructed Infrastructure and existing irrigation [12], dry year hydrology [1]
Summary Feeder canal from Little Squaw Creek.

Oxbow Bend

Payette River Basin
Subbasin: SOUTH FORK PAYETTE
Type: On-stream

Township: 09N County: BOISE
Range: 07E Quad.: PINE FLAT
HUC: 17050120

Water Source(s) South Fork Payette River
Reservoir Cap. (AF) 60,000 [1], 70,000 [21]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resources Research Institute, 1980 [5], Idaho National Engineering and Environmental Laboratory, 1998 [17], United States Geological Survey, 1965 [20], Water Resources Research Institute, 1970 [21], Bureau of Reclamation, 1961 [12]
Estimated Cost
Reason(s) Not Constructed Garden Valley site preferred [12]
Summary Dam at mile 104.7 (215 ft high and 400 ft crest length), plus another 30 ft of head via 800-ft tunnel, powerhouse site is 1.1 miles downstream.

Peace Valley

Payette River Basin
Subbasin: MIDDLE FORK PAYETTE
Type: On-stream

Township: 12N County: VALLEY
Range: 05E Quad.: BOILING SPRING
HUC: 17050121

Water Source(s) Silver Creek

Reservoir Cap. (AF) 13,000 [5], 13,000 [8], 13,000 [12], 13,000 [20]

Documentation Idaho Water Resources Research Institute, 1980 [5], Idaho Water Resource Board, 1999 [8], Bureau of Reclamation, 1961 [12], United States Geological Survey, 1965 [20]

Estimated Cost

Reason(s) Not Constructed High unit cost [12], Garden Valley site preferred [12]

Summary Reservoir site would store water to develop head (850 ft) via 3-mile conduit to Boiling Springs powerhouse.

Rocky Canyon

Payette River Basin
Subbasin: MIDDLE FORK PAYETTE
Type: On-stream

Township: 11N County: VALLEY
Range: 05E Quad.: SIXMILE POINT
HUC: 17050121

Water Source(s) Middle Fork Payette River

Reservoir Cap. (AF) 23,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resources Research Institute, 1980 [5], United States Geological Survey, 1965 [20]

Estimated Cost

Reason(s) Not Constructed

Summary Low-head dam (150 ft high and 700 ft long), carries water via 0.75-mile conduit to powerhouse at Garden Valley backwater (265 ft elevation difference).

Sand Hollow

Payette River Basin
Subbasin: PAYETTE
Type: On-stream

Township: 07N County: PAYETTE
Range: 04W Quad.: NEW PLYMOUTH
HUC: 17050122

Water Source(s) Sand Hollow Creek

Reservoir Cap. (AF) 39,000 [1], 39,000 [12]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed Raise groundwater table [1], High pumping cost [1]

Summary Sand Hollow project proposes a damsite that would be supplemented by pumped water from the Payette. Expected to only affect a small amount of farmland.

Scott Creek

Payette River Basin
Subbasin: SOUTH FORK PAYETTE
Type: On-stream

Township: 10N County: BOISE
Range: 07E Quad.: SCOTT CREEK
HUC: 17050120

Water Source(s) Deadwood River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], United States Geological Survey, 1965 [20], Water Resources Research Institute, 1970 [21]

Estimated Cost

Reason(s) Not Constructed

Summary Dam would raise water 360 ft with 1,200-ft-long crest.

Scott Valley

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: On-stream

Township: 14N County: VALLEY
Range: 04E Quad.: EAGLE NEST
HUC: 17050123

Water Source(s) Big Creek

Reservoir Cap. (AF) 18,000 [1], 18,000 [9], 18,000 [12]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Bureau of Reclamation, 1938 [9], Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed Small storage and possible leakage [1]. Cascade Reservoir storage [12].

Summary No description available.

Smith Ferry

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: On-stream

Township: 11N County: VALLEY
Range: 03E Quad.: SMITHS FERRY
HUC: 17050123

Water Source(s) North Fork Payette River

Reservoir Cap. (AF) 95,000 [9]

Documentation Bureau of Reclamation, 1938 [9], Bureau of Reclamation, 1955 [11], Bureau of Reclamation, 1966 [13]

Estimated Cost \$2,300,000 [9]

Reason(s) Not Constructed

Summary No description available.

Steep Creek (aka: Sheep Creek)

Payette River Basin
Subbasin: SOUTH FORK PAYETTE
Type: On-stream

Township: 09N County: BOISE
Range: 07E Quad.: LOWMAN
HUC: 17050120

Water Source(s) South Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], United States Geological Survey, 1965 [20], Water Resources Research Institute, 1970 [21], Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed Right-of-way issues [12]

Summary Damsite at mile 111.6, floods Kirkham Hot Spring damsite, 85 to 125 ft of potential powerhead.

Tamarack Falls

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: On-stream

Township: 16N County: VALLEY
Range: 03E Quad.: LONE TREE
HUC: 17050123

Water Source(s) North Fork Payette River

Reservoir Cap. (AF) 20,000 [5], 20,000 [9]

Documentation Idaho Water Resources Research Institute, 1980 [5], Idaho Water Resource Board, 1999 [8], Bureau of Reclamation, 1938 [9]

Estimated Cost

Reason(s) Not Constructed Inundated by Cascade Dam construction

Summary No description available.

3.2 Potential Off-stream Storage Sites (Payette)

Anderson Creek

Payette River Basin
Subbasin: MIDDLE FORK PAYETTE
Type: Off-stream

Township: 09N County: BOISE
Range: 04E Quad.: GARDEN VALLEY
HUC: 17050121

Water Source(s) South Fork Payette River

Reservoir Cap. (AF) 51,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Beaver Creek

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: Off-stream

Township: 11N County: VALLEY
Range: 03E Quad.: SMITHS FERRY
HUC: 17050123

Water Source(s) North Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed Smiths Ferry-Scriver Creek complex preferred [12]

Summary Possible diversion canal and powerhead development.

Big Creek

Payette River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: County:
Range: Quad.:
HUC:

Water Source(s) North Fork Payette River

Reservoir Cap. (AF) 400,000 [3]

Documentation U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Big Eddy

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: Off-stream

Township: 11N County: VALLEY
Range: 03E Quad.: SMITHS FERRY
HUC: 17050123

Water Source(s) North Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1961 [12],

Estimated Cost

Reason(s) Not Constructed Smiths Ferry-Scriver Creek complex preferred [12]

Summary Possible diversion canal and powerhead development.

Big Willow Creek

Payette River Basin
Subbasin: PAYETTE
Type: Off-stream

Township: 08N County: PAYETTE
Range: 03W Quad.: SHEEP RIDGE
HUC: 17050122

Water Source(s) Payette River, Weiser River
Reservoir Cap. (AF) 310,000 [1], 313,000 [4]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Idaho Water Resources Research Institute, 1979 [4]
Estimated Cost
Reason(s) Not Constructed Infrastructure [1]
Summary No description available.

Birding Island

Payette River Basin
Subbasin: PAYETTE
Type: Off-stream

Township: 08N County: PAYETTE
Range: 04W Quad.: BIRDING ISLAND
HUC: 17050122

Water Source(s) Payette River
Reservoir Cap. (AF) 175,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

Bissel Creek

Payette River Basin
Subbasin: PAYETTE
Type: Off-stream

Township: 07N County: GEM
Range: 02W Quad.: NORTHWEST EMMETT
HUC: 17050122

Water Source(s) Payette River
Reservoir Cap. (AF) 153,500 [1], 187,000 [3], 200,000 [4], 153,500 [8]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Idaho Water Resources Research Institute, 1979 [4], Idaho Water Resource Board, 1999 [8]
Estimated Cost \$189,000,000 [1]
Reason(s) Not Constructed Raise groundwater table [1], High pumping cost [2]
Summary Bissel Creek project proposes a 157,000-acre damsite that would be supplemented by pumped water from the Payette. The proposed site is 3.6-miles from the Snake River and would be supplied by a buried pipeline.

Boulder Creek

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: Off-stream

Township: 18N County: VALLEY
Range: 04E Quad.: FITSUM SUMMIT
HUC: 17050123

Water Source(s) Lake Fork Creek, Boulder Creek, North Fork Payette River

Reservoir Cap. (AF) 93,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Browns Pond

Payette River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: County:
Range: Quad.:
HUC:

Water Source(s) North Fork Payette River

Reservoir Cap. (AF) 92,000 [3]

Documentation U.S. Army Corps of Engineers, 1981 [3], Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Cloverleaf

Payette River Basin
Subbasin: SOUTH FORK PAYETTE
Type: Off-stream

Township: 09N County: BOISE
Range: 07E Quad.: SCOTT CREEK
HUC: 17050120

Water Source(s) Deadwood River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], United States Geological Survey, 1965 [20], Water Resources Research Institute, 1970 [21], Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed Garden Valley site preferred [12]

Summary Re-regulation and diversion dam downstream from Scott Creek site. Proposed dam (260 ft high and 700 ft long) plus 865 ft of head via gravity conduit to powerhouse site at backwater limit of Oxbow Bend site.

Crystal School

Payette River Basin
Subbasin: PAYETTE
Type: Off-stream

Township: 09N County: PAYETTE
Range: 05W Quad.: PAYETTE
HUC: 17050122

Water Source(s) Payette River, Snake River

Reservoir Cap. (AF) 91,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Deadwood River

Payette River Basin
Subbasin: SOUTH FORK PAYETTE
Type: Off-stream

Township: 11N County: VALLEY
Range: 07E Quad.: DEADWOOD RIVER
HUC: 17050120

Water Source(s) Deadwood River, South Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17], Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed Garden Valley site preferred [12]

Summary Power tunnel (3.3 miles) from Deadwood Dam for powerhead.

Dry Buck Creek

Payette River Basin
Subbasin: PAYETTE
Type: Off-stream

Township: 09N County: BOISE
Range: 02E Quad.: DRY BUCK VALLEY
HUC: 17050122

Water Source(s) Payette River

Reservoir Cap. (AF) 380,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Eightmile

Payette River Basin
Subbasin: SOUTH FORK PAYETTE
Type: Off-stream

Township: 10N County: BOISE
Range: 09E Quad.: MILLER MOUNTAIN EAST
HUC: 17050120

Water Source(s) Eightmile Creek

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], United States Geological Survey, 1965 [20]

Estimated Cost

Reason(s) Not Constructed

Summary Diversion to Casner Creek powerhouse.

Fogus Site

Payette River Basin
Subbasin: SOUTH FORK PAYETTE
Type: Off-stream

Township: 10N County: BOISE
Range: 10E Quad.: GRANDJEAN
HUC: 17050120

Water Source(s) Canyon Creek

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], United States Geological Survey, 1965 [20]

Estimated Cost

Reason(s) Not Constructed Wilderness recommendation area, economically unfavorable [20]

Summary Diversion in headwaters of Canyon Creek, carry water 955 ft to Canyon Creek powerhouse site.

Garden Valley

Payette River Basin
Subbasin: MIDDLE FORK PAYETTE
Type: Off-stream

Township: 09N County: BOISE
Range: 04E Quad.: GARDEN VALLEY
HUC: 17050121

Water Source(s)

Reservoir Cap. (AF) 576,000 [5]

Documentation Idaho Water Resources Research Institute, 1980 [5], Water Resources Research Institute 1970 [21]

Estimated Cost

Reason(s) Not Constructed

Summary

Diversion facilities would take water from the North Fork Payette River through Scriver Creek power facilities to the reservoir site. A re-regulating dam would be located about 3 miles downstream of the Garden Valley Dam.

Gold Fork

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: Off-stream

Township: 13N County: VALLEY
Range: 04E Quad.: SKUNK CREEK SUMMIT
HUC: 17050123

Water Source(s) North Fork Payette River

Reservoir Cap. (AF) 930,000 [3]

Documentation U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary

No description available.

Grassy Flat

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: Off-stream

Township: 12N County: VALLEY
Range: 04E Quad.: SKUNK CREEK SUMMIT
HUC: 17050123

Water Source(s) North Fork Payette River

Reservoir Cap. (AF) 32,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary

No description available.

Green Mountain

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: Off-stream

Township: 17N County: VALLEY
Range: 05E Quad.: BLACKMARE
HUC: 17050123

Water Source(s) Rapid Creek

Reservoir Cap. (AF) 24,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Haw Creek

Payette River Basin
Subbasin: PAYETTE
Type: Off-stream

Township: 07N County: GEM
Range: 01W Quad.: NORTHEAST EMMETT
HUC: 17050122

Water Source(s) Payette River

Reservoir Cap. (AF) 33,000 [1], 35,000 [4]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Idaho Water Resources Research Institute, 1979 [4]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

High Valley

Payette River Basin
Subbasin: PAYETTE
Type: Off-stream

Township: 10N County: GEM
Range: 02E Quad.: HIGH VALLEY
HUC: 17050122

Water Source(s) North Fork Payette River

Reservoir Cap. (AF) 1,760,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Horsethief Basin

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: Off-stream

Township: 14N County: VALLEY
Range: 04E Quad.: EAGLE NEST
HUC: 17050123

Water Source(s) Big Creek

Reservoir Cap. (AF) 75,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Kennally Creek

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: Off-stream

Township: 16N County: VALLEY
Range: 04E Quad.: SLOANS POINT
HUC: 17050123

Water Source(s) Gold Fork River, Boulder Creek

Reservoir Cap. (AF) 330,000 [3], 351,000 [4]

Documentation U.S. Army Corps of Engineers, 1981 [3], Idaho Water Resources Research Institute, 1979 [4]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Little Willow Creek

Payette River Basin
Subbasin: PAYETTE
Type: Off-stream

Township: 09N County: PAYETTE
Range: 03W Quad.: HOLLAND GULCH
HUC: 17050122

Water Source(s) Payette River

Reservoir Cap. (AF) 85,000 [1], 1,000 [12]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed Infrastructure [1], Runoff controlled by upstream reservoir [12]

Summary No description available.

Lower Scriver Creek (aka: Scriver Creek)

Payette River Basin
Subbasin: MIDDLE FORK PAYETTE
Type: Off-stream

Township: 10N County: BOISE
Range: 04E Quad.: PYLE CREEK
HUC: 17050121

Water Source(s) North Fork Payette River, Middle Fork Payette River

Reservoir Cap. (AF) 44,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Bureau of Reclamation, 1955 [11], United States Geological Survey, 1965 [20]

Estimated Cost

Reason(s) Not Constructed

Summary Supply tunnel from the North Fork of the Payette River to fill earthfill dam. Two power plants operate within site—one upper from North Fork flow and another tunnel downstream from the dam.

Lower Shafer Creek

Payette River Basin
Subbasin: PAYETTE
Type: Off-stream

Township: 06N County: BOISE
Range: 03E Quad.: HORSESHOE BEND
HUC: 17050122

Water Source(s) Payette River

Reservoir Cap. (AF) 34,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Lower Squaw Creek

Payette River Basin
Subbasin: PAYETTE
Type: Off-stream

Township: 08N County: GEM
Range: 01E Quad.: WEBB CREEK
HUC: 17050122

Water Source(s) North Fork Payette River

Reservoir Cap. (AF) 550,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary The water supply for this site would come from a 12-mile tunnel diversion from the North Fork Payette River at Smiths Ferry. This scheme proposes development of 1,500 ft of hydraulic head for power purposes in the trans-basin diversion. A brief economic analysis of costs indicates that power revenues should be greater than the costs of the dam, power plant, and tunnel development.

Mains

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: Off-stream

Township: 10N County: VALLEY
Range: 03E Quad.: PACKER JOHN MOUNTAIN
HUC: 17050123

Water Source(s) North Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed Smiths Ferry-Scriver Creek complex preferred [12]

Summary Possible diversion canal and powerhead development.

Middle Fork Payette River

Payette River Basin
Subbasin: MIDDLE FORK PAYETTE
Type: Off-stream

Township: 10N County: BOISE
Range: 04E Quad.: PYLE CREEK
HUC: 17050121

Water Source(s) North Fork Payette River, Middle Fork Payette River
Reservoir Cap. (AF) 1,600,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

Montour Valley (aka: Montour)

Payette River Basin
Subbasin: PAYETTE
Type: Off-stream

Township: 07N County: GEM
Range: 01E Quad.: MONTOUR
HUC: 17050122

Water Source(s) Payette River
Reservoir Cap. (AF) 32,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], Idaho Water Resources Research Institute, 1980 [5], Idaho National Engineering and Environmental Laboratory, 1998 [17], United States Geological Survey, 1965 [20]
Estimated Cost
Reason(s) Not Constructed
Summary Diversion and conduit between Horseshoe Bend tailrace and Black Canyon reservoir (elevation change of 53 ft).

Pidgeon Flat

Payette River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: County:
Range: Quad.:
HUC:

Water Source(s) South Fork Payette River
Reservoir Cap. (AF) 490,000 [3]
Documentation U.S. Army Corps of Engineers, 1981 [3]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

Round Valley

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: Off-stream

Township: 12N County: VALLEY
Range: 04E Quad.: SMITHS FERRY
HUC: 17050123

Water Source(s) North Fork Payette River
Reservoir Cap. (AF) 430,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Bureau of Reclamation, 1938 [9]
Estimated Cost
Reason(s) Not Constructed High canal system construction cost and low run-off
Summary No description available.

Sand Hollow

Payette River Basin
Subbasin: PAYETTE
Type: Off-stream

Township: 07N County: GEM
Range: 03W Quad.: LETHA
HUC: 17050122

Water Source(s) Payette River
Reservoir Cap. (AF) 145,000 [1], 68,000 [4]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Idaho Water Resources Research Institute, 1979 [4]
Estimated Cost
Reason(s) Not Constructed Infrastructure [1]
Summary Expected to only affect a small amount of farmland. Dropped due to potential for raising groundwater levels downstream of dam and reservoir site. Pumping costs are expected to be high.

Scott Valley

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: Off-stream

Township: 14N County: VALLEY
Range: 04E Quad.: EAGLE
HUC: 17050123

Water Source(s) North Fork Payette River, Gold Fork River, Big Creek
Reservoir Cap. (AF) 131,000 [3]
Documentation U.S. Army Corps of Engineers, 1981 [3], Bureau of Reclamation, 1961 [12]
Estimated Cost
Reason(s) Not Constructed Conflicts with storage in Cascade Reservoir [12]
Summary No description available.

Scriver Creek (aka: West Fork Scriver Creek) (aka: Upper Scriver)

Payette River Basin
Subbasin: MIDDLE FORK PAYETTE

Township: 10N County: BOISE
Range: 04E Quad.: PACKER JOHN
MOUNTAIN

Type: Off-stream

HUC: 17050121

Water Source(s) North Fork Payette River, Scriver Creek

Reservoir Cap. (AF)

Documentation Bureau of Reclamation, 1955 [11], Bureau of Reclamation, 1966 [13], Idaho National Engineering and Environmental Laboratory, 1998 [17], United States Geological Survey, 1965 [20]

Estimated Cost

Reason(s) Not Constructed

Summary This project involves the diversion of flows from Smith's Ferry in the North Fork Payette through a tunnel and into Scriver Creek within the South Fork Payette River. The change in elevation would provide hydropower production from the Scriver Creek facility. The Garden Valley Reservoir would provide flood control, irrigation storage, and re-regulation for power production. A very limited cost-to-benefit analysis was conducted.

Slick Rock

Payette River Basin
Subbasin: SOUTH FORK BOISE
Type: Off-stream

Township: County:
Range: Quad.:
HUC:

Water Source(s) Lake Fork Creek tributaries

Reservoir Cap. (AF) 35,000 [3]

Documentation U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Sweet

Payette River Basin
Subbasin: PAYETTE
Type: Off-stream

Township: 08N County: GEM
Range: 01E Quad.: MONTOUR
HUC: 17050122

Water Source(s) Payette River

Reservoir Cap. (AF) 148,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Tripod Creek

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: Off-stream

Township: 11N County: VALLEY
Range: 03E Quad.: SMITHS FERRY
HUC: 17050123

Water Source(s) North Fork Payette River

Reservoir Cap. (AF) 54,000 [1], 57,000 [4]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Idaho Water Resources Research Institute, 1979 [4]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Upper Big Willow Creek

Payette River Basin
Subbasin: PAYETTE
Type: Off-stream

Township: 08N County: PAYETTE
Range: 02W Quad.: HOG COVE BUTTE
HUC: 17050122

Water Source(s) North Fork Payette River, Little Weiser River

Reservoir Cap. (AF) 350,000 [1], 160,000 [4]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Idaho Water Resources Research Institute, 1979 [4]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Upper Shafer Creek

Payette River Basin
Subbasin: PAYETTE
Type: Off-stream

Township: 06N County: BOISE
Range: 02E Quad.: CARTWRIGHT CANYON
HUC: 17050122

Water Source(s) Payette River

Reservoir Cap. (AF) 93,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Upper Squaw Creek

Payette River Basin
Subbasin: PAYETTE
Type: Off-stream

Township: 09N County: GEM
Range: 01E Quad.: WEBB CREEK
HUC: 17050122

Water Source(s) North Fork Payette River

Reservoir Cap. (AF) 2,600,000 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary

The water supply for this would come from an 11-mile tunnel diversion from the North Fork Payette River at Smiths Ferry. This site considers a large reservoir that provides much more flexibility in high-flow years. Power plants would be located at the tunnel outlet from the Smiths Ferry diversion and at the Squaw Creek dam. This scheme proposes development of 1,500 ft of hydraulic head for power purposes in the transbasin diversion. A brief economic analysis of costs indicates that power revenues should be greater than the costs of the dam, power plant, and tunnel

Warm Spring Creek

Payette River Basin
Subbasin: MIDDLE FORK PAYETTE
Type: Off-stream

Township: 10N County: BOISE
Range: 05E Quad.: LIGHTNING RIDGE
HUC: 17050121

Water Source(s) South Fork Payette River

Reservoir Cap. (AF) 61,500 [1]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]

Estimated Cost

Reason(s) Not Constructed

Summary

No description available.

Wash Creek

Payette River Basin
Subbasin: SOUTH FORK PAYETTE
Type: Off-stream

Township: 08N County: BOISE
Range: 04E Quad.: GARDEN VALLEY
HUC: 17050120

Water Source(s) South Fork Payette River
Reservoir Cap. (AF) 55,000 [1]
Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3]
Estimated Cost
Reason(s) Not Constructed
Summary No description available.

3.3 Existing Storage Sites (Payette)

Big Payette Lake

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: Existing

Township: 18N County: VALLEY
Range: 03E Quad.: MCCALL
HUC: 17050123

Water Source(s) Payette River
Reservoir Cap. (AF)
Documentation Bureau of Reclamation, 1961 [12]
Estimated Cost
Reason(s) Not Constructed Expansion precluded due to recreational area [12]
Summary Achieves added capacity by lowering lake outlet. Constructed in 1944 as a storage facility, and operated by the Payette Lake Reservoir Company for irrigation, recreation, and fish and wildlife. Operations are coordinated with BOR facilities within the Payette River Basin [2].

Black Canyon

Payette River Basin
Subbasin: PAYETTE
Type: Existing

Township: 07N County: GEM
Range: 01W Quad.: NORTHEAST EMMETT
HUC: 17050122

Water Source(s) Payette River

Reservoir Cap. (AF) 180,000 [3], 500 [15]

Documentation U.S. Army Corps of Engineers, 1981 [3], Bureau of Reclamation, 1997 [15], Idaho National Engineering and Environmental Laboratory, 1998 [17], Water Resources Research Institute, 1970 [21]

Estimated Cost

Reason(s) Not Constructed

Summary Black Canyon Dam is a concrete gravity dam that was completed in 1924 and last modified in 1955. The structural height of the dam is 183 ft and the facility is operated by the BOR for power and irrigation purposes. One proposal recommends modifying flashboards to increase capacity by 500 AF for irrigation.

Little Payette Lake

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: Existing

Township: 18N County: VALLEY
Range: 03E Quad.: MCCALL
HUC: 17050123

Water Source(s) Lake Fork Creek

Reservoir Cap. (AF) 37,000 [1], 63,000 [12]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed Enlarged site plans unfavorable due to geology [12]

Summary Constructed in 1926 as a storage facility, and operated by the Payette Lake Reservoir Company for irrigation and recreation. Operations are coordinated with BOR facilities within the Payette River Basin [2].

Upper Payette Lake

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: Existing

Township: 21N County: VALLEY
Range: 04E Quad.: BLACK TIP
HUC: 17050123

Water Source(s) Summit Creek

Reservoir Cap. (AF) 98,000 [1], 49,000 [5], 49,000 [8], 37,000 [9], 37,000 [12], 50,000 [18], 49,000 [20]

Documentation Bureau of Reclamation, 1994 [1], Bureau of Reclamation, 1992 [2], U.S. Army Corps of Engineers, 1981 [3], Idaho Water Resources Research Institute, 1980 [5], Idaho Water Resource Board, 1999 [8], Bureau of Reclamation, 1938 [9], Bureau of Reclamation, 1955 [11], Bureau of Reclamation, 1961 [12], Idaho Department of Water Resources, 1976 [18], United States Geological Survey, 1965 [20]

Estimated Cost \$600,000 [9]

Reason(s) Not Constructed Relocate forest highway [1], Unfavorable geology, Garden Valley site preferred [12]

Summary Operated and owned by the Payette Lake Reservoir Company for irrigation, domestic, and water power purposes [12].

3.4 Unclassified Storage Sites (Payette)

12HG 13

Payette River Basin
Subbasin: SOUTH FORK PAYETTE
Type: Unclassified

Township: 09N County: BOISE
Range: 08E Quad.: LOWMAN
HUC: 17050120

Water Source(s) South Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

12HG 21

Payette River Basin
Subbasin: MIDDLE FORK PAYETTE
Type: Unclassified

Township: 09N County: BOISE
Range: 04E Quad.: GARDEN VALLEY
HUC: 17050121

Water Source(s) Payette River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

12HG 22

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: Unclassified

Township: 09N County: BOISE
Range: 03E Quad.: BANKS
HUC: 17050123

Water Source(s) Payette River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1961 [12], Water Resources Research Institute, 1970 [21]

Estimated Cost

Reason(s) Not Constructed Smiths Ferry-Scriver Creek complex preferred [12]

Summary Powerhead development (80 ft head).

12GH 23

Payette River Basin
Subbasin: MIDDLE FORK PAYETTE
Type: Unclassified

Township: 11N County: VALLEY
Range: 05E Quad.: SIXMILE POINT
HUC: 17050121

Water Source(s) Middle Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed High unit costs [12]

Summary Run-of-river powerhead development.

12GH 24

Payette River Basin
Subbasin: MIDDLE FORK PAYETTE
Type: Unclassified

Township: 10N County: BOISE
Range: 05E Quad.: PYLE CREEK
HUC: 17050121

Water Source(s) Middle Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed High unit costs [12]. Garden Valley site preferred [12]

Summary Possible 100-ft powerhead development.

Banks

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: Unclassified

Township: 09N County: BOISE
Range: 03E Quad.: PACKER JOHN
MOUNTAIN
HUC: 17050123

Water Source(s) North Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17], Water Resources Research Institute, 1970 [21]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Banks Lower (aka: 12HG 6)

Payette River Basin
Subbasin: PAYETTE
Type: Unclassified

Township: 08N County: BOISE
Range: 03E Quad.: DRY BUCK VALLEY
HUC: 17050122

Water Source(s) North Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17], Water Resources Research Institute, 1970 [21], Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed Infrastructure (railroad, highways, and towns) [12]

Summary Potential powerhead (80 ft) development.

Banks to Horseshoe Bend

Payette River Basin
Subbasin: PAYETTE
Type: Unclassified

Township: 08N County: BOISE
Range: 03E Quad.: DRY BUCK VALLEY
HUC: 17050122

Water Source(s) Payette River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5]

Estimated Cost

*Reason(s) Not
Constructed*

Summary No description available.

Big Creek

Payette River Basin
Subbasin: NORTH FORK PAYETTE
Type: Unclassified

Township: 15N County: VALLEY
Range: 05E Quad.: ORO MOUNTAIN
HUC: 17050123

Water Source(s)

Reservoir Cap. (AF) 20,000 [18]

Documentation Idaho Department of Water Resources, 1976 [18]

Estimated Cost

*Reason(s) Not
Constructed*

Summary No description available.

Big Falls

Payette River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township: County:
Range: Quad.:
HUC:

Water Source(s) South Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

*Reason(s) Not
Constructed*

Summary No description available.

Black Bear

Payette River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township: County:
Range: Quad.:
HUC:

Water Source(s) South Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

*Reason(s) Not
Constructed*

Summary No description available.

Box Creek

Payette River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township: County:
Range: Quad.:
HUC:

Water Source(s) Box Creek, North Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

*Reason(s) Not
Constructed*

Summary No description available.

Brush Creek

Payette River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township: County:
Range: Quad.:
HUC:

Water Source(s) North Fork Payette River, Brush Creek

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

*Reason(s) Not
Constructed*

Summary No description available.

Clear Creek

Payette River Basin
Subbasin: SOUTH FORK PAYETTE
Type: Unclassified

Township: 10N County: BOISE
Range: 08E Quad.: MILLER MOUNTAIN WEST
HUC: 17050120

Water Source(s) Clear Creek

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], United States Geological Survey, 1965 [20]

Estimated Cost

Reason(s) Not Constructed

Summary Redevelop private plant at Lowman for more head (1,125 ft powerhead) with a 5-mile conduit from tailrace to powerhouse.

Dead Horse Creek

Payette River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township: County:
Range: Quad.:
HUC:

Water Source(s) North Fork Payette River, Dead Horse Creek

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Deadwood Canyon

Payette River Basin
Subbasin: SOUTH FORK PAYETTE
Type: Unclassified

Township: 09N County: BOISE
Range: 07E Quad.: PINE FLAT
HUC: 17050120

Water Source(s) Deadwood River

Reservoir Cap. (AF)

Documentation Bureau of Reclamation, 1955 [11]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Deer Creek

Payette River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township: County:
Range: Quad.:
HUC:

Water Source(s) Deer Creek, Payette River

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

*Reason(s) Not
Constructed*

Summary No description available.

Elk Lake

Payette River Basin
Subbasin: SOUTH FORK PAYETTE
Type: Unclassified

Township: 09N County: BOISE
Range: 11E Quad.: EDAHO MOUNTAIN
HUC: 17050120

Water Source(s) South Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], United States Geological Survey, 1965 [20]

Estimated Cost

*Reason(s) Not
Constructed*

Summary A diversion site planned for hydropower by constructing a 6-mile-long canal ending at a powerhouse.

Fall Creek

Payette River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township: County:
Range: Quad.:
HUC:

Water Source(s) Fall Creek

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

*Reason(s) Not
Constructed*

Summary No description available.

Ferncroft

Payette River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township:
Range:
HUC:

County:
Quad.:

Water Source(s) North Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Fisher Creek

Payette River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township:
Range:
HUC:

County:
Quad.:

Water Source(s) Fisher Creek , North Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Grimes Pass

Payette River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township:
Range:
HUC:

County:
Quad.:

Water Source(s) South Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

High Valley

Payette River Basin
Subbasin: PAYETTE
Type: Unclassified

Township: 09N County: GEM
Range: 01E Quad.: OLA
HUC: 17050122

Water Source(s)

Reservoir Cap. (AF)

Documentation Bureau of Reclamation, 1955 [11]

Estimated Cost

*Reason(s) Not
Constructed*

Summary No description available.

Jug Creek

Payette River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township: County:
Range: Quad.:
HUC:

Water Source(s) Jug Creek, Boulder Creek, North Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

*Reason(s) Not
Constructed*

Summary No description available.

Louie Creek

Payette River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township: County:
Range: Quad.:
HUC:

Water Source(s) Louis Creek, Boulder Creek, North Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

*Reason(s) Not
Constructed*

Summary No description available.

North Fork

Payette River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township: County:
Range: Quad.:
HUC:

Water Source(s) North Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Paddock Valley

Payette River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township: County:
Range: Quad.:
HUC:

Water Source(s) Little Willow Creek, Payette River

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Pine Flat

Payette River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township: County:
Range: Quad.:
HUC:

Water Source(s) South Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1961 [12], Idaho National Engineering and Environmental Laboratory, 1998 [17], Water Resources Research Institute, 1970 [21]

Estimated Cost

Reason(s) Not Constructed Garden Valley site preferred [12]

Summary Run-of-river powerhead development.

Round Valley Upper

Payette River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township:
Range:
HUC:

County:
Quad.:

Water Source(s) North Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Shafer Creek

Payette River Basin
Subbasin: SOUTH FORK BOISE
Type: Unclassified

Township: 12N
Range: 04E
HUC:

County:
Quad.:

Water Source(s) Shafer Creek, Payette River

Reservoir Cap. (AF)

Documentation Idaho National Engineering and Environmental Laboratory, 1998 [17]

Estimated Cost

Reason(s) Not Constructed

Summary No description available.

Ten Mile

Payette River Basin
Subbasin: SOUTH FORK PAYETTE
Type: Unclassified

Township: 10N
Range: 10E
HUC: 17050120

County: BOISE
Quad.: EIGHTMILE MOUNTAIN

Water Source(s) South Fork Payette River

Reservoir Cap. (AF)

Documentation Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed High unit cost [12]

Summary Possible power development.

Warm Spring (aka: Warm Springs)

Payette River Basin
Subbasin: SOUTH FORK PAYETTE
Type: Unclassified

Township: 09N County: BOISE
Range: 10E Quad.: EIGHTMILE MOUNTAIN
HUC: 17050120

Water Source(s) South Fork Payette River

Reservoir Cap. (AF)

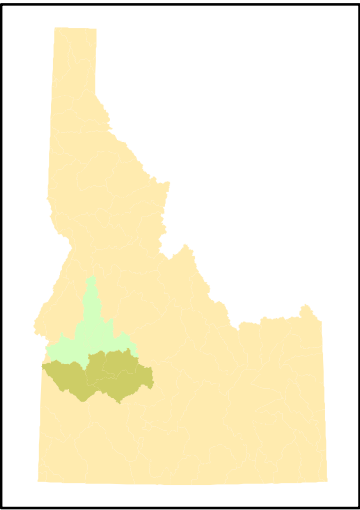
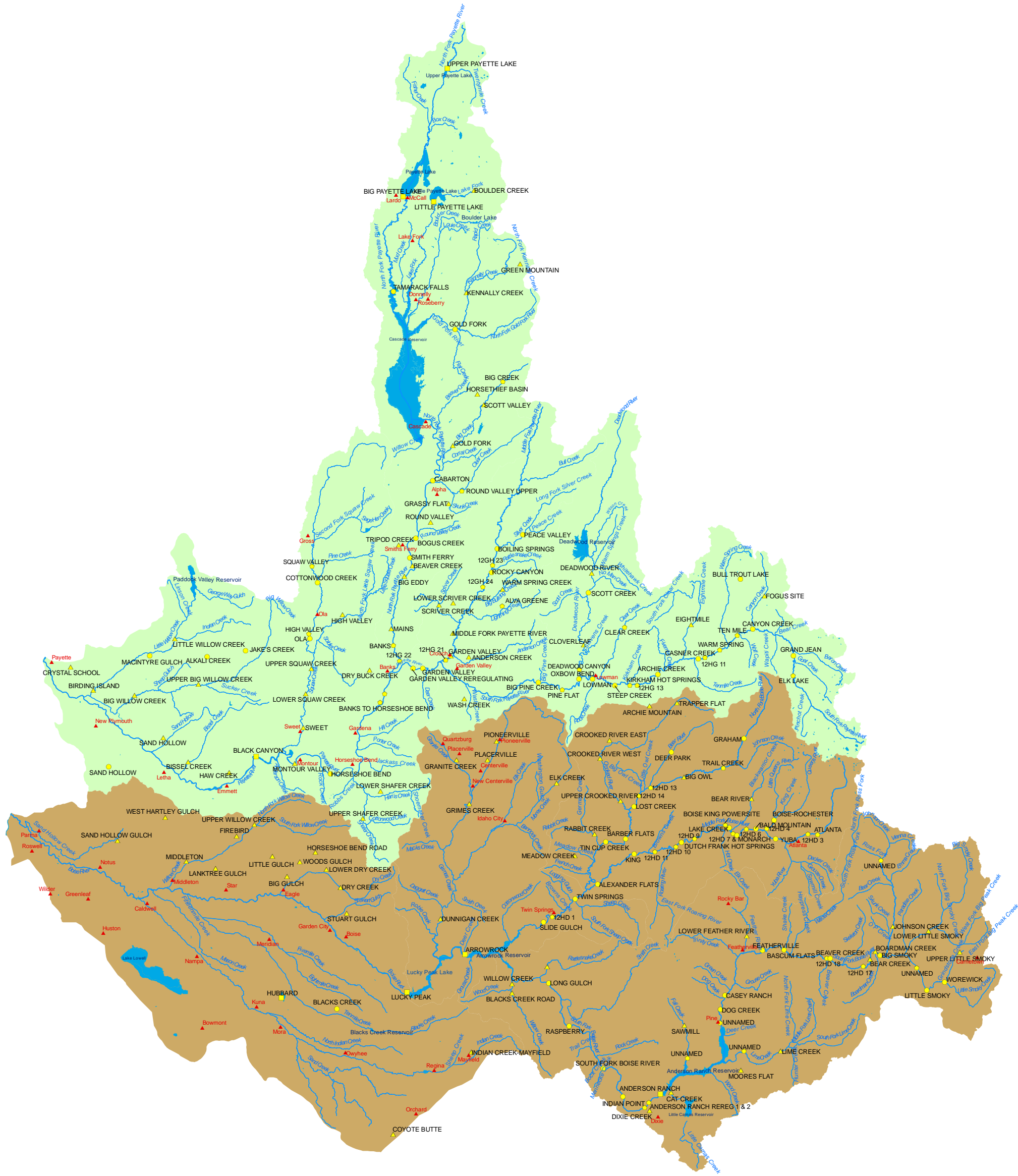
Documentation Idaho Water Resources Research Institute, 1980 [5], Bureau of Reclamation, 1961 [12]

Estimated Cost

Reason(s) Not Constructed High unit cost [12]

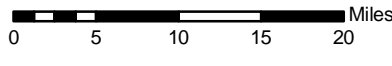
Summary Possible power development.

II. Boise and Payette River Map



Boise/Payette River Basin Water Storage Assessment Literature Review Report

- ▲ City
- Existing
- Streams
- ▲ Off-Stream
- Boise River Basin
- Payette River Basin
- Onstream
- ◆ Unclassified



III. Bibliography

A literature review was conducted to identify and compile any existing, published, or unpublished information. The quality and quantity of the available information relative to this assessment and future storage appraisal studies was also evaluated. This bibliography reflects information that was available through October 2005.

The summary of documents that was reviewed includes the following:

- Title
- Reference with author or lead agency and year
- Format (i.e., hardcopy and/or electronic)
- Quantity and quality of data relevant to the study purpose category
 - Category 1 (C-1) indicates that there are many site recommendations and may include descriptions
 - Category 2 (C-2) indicates that the document provides few recommendations
 - Category 3 (C-3) indicates that there are no recommendations and/or is not relevant
- Document location
- Document purpose summary
- Applicability of document to the water storage assessment

The summary is organized by quantity and quality category (e.g., C-1, C-2, and C-3).

Tables 1 and 2 are matrix tables that show which documents reference individual potential storage sites.

Category 1 Documents (Most Useful Documents)

Progress Report Storage Possibilities—Payette Watershed

Reference

Bureau of Reclamation, 1938

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-1
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

The report examines several large storage facilities related to the Boise Project for the construction of approximately 2 million AF of storage within the Boise and Payette Basins.

Applicability

The document describes several large storage facilities and numerous interbasin transfers via tunnels and canals within the project area.

Supplemental Report on Twin Springs and Anderson Ranch Reservoir Sites

Reference

Bureau of Reclamation (J.C. Page), 1940

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-1
Hardcopy Document Location:	Bureau of Reclamation

Document Purpose

The document provides additional data for the Twin Springs and Anderson Ranch Reservoir Sites.

Applicability

The document provides location, capacity, flood control benefits, and construction cost information for the Twin Springs site.

Upper Snake River Basin, Volume I Summary Report

Reference

Bureau of Reclamation and U.S. Army Corps of Engineers, 1961

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-1
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

The document provides a detailed study assessing existing and proposed storage and flood control facilities within the upper Snake River Basin in Idaho, Oregon, Nevada, Utah, and Wyoming.

Applicability

The document provides good descriptions with cost estimates (circa 1961) of several proposals – Twin Springs, Gold Fork, Long and Round Valleys, Scriver

Creek, and Garden Valley. Also includes many proposed sites that were not accepted for additional analysis with a remark describing why they were dropped from further analysis.

Southwest Idaho Water Development Project

Reference

Bureau of Reclamation (S.L. Udall, F.E. Domity, H.T. Nelson), 1966

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-1
Hardcopy Document Location:	Bureau of Reclamation

Document Purpose

The document details the phases and overall plans for the SW Idaho Water Development Project (aka the Boise Project).

Applicability

The document details the numerous facilities and conveyance systems to support the project with details and cost estimates.

Snake River Basin Damsite Review

Reference

Bureau of Reclamation, 1992

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-1
Hardcopy Document Location:	

Document Purpose

The document summarizes new storage possibilities as a potential means for augmenting flushing flows for anadromous smolts within the Snake River Basin.

Applicability

The document provides details of numerous existing and potential sites and includes a detailed map with the original study entity. The document is an attachment to the *Snake River Basin Storage Appraisal*

Study.

Snake River Basin Storage Appraisal Study

Reference

Bureau of Reclamation and U.S. Army Corps of Engineers, 1994

Hardcopy:	
Electronic Copy:	X
Quantity and Quality of Information Category:	C-1
Hardcopy Document Location:	CD

Document Purpose

A new storage appraisal was conducted as part of the Northwest Power Planning Council (NWPCC), and other, as a means to support augmentation of flows as part of a comprehensive salmon management strategy.

Applicability

The document provides detailed descriptions of numerous sites within the Boise and Payette River

Basins. Refers to very few documents as a means to track origin of information.

Refill Probabilities of Arrowrock/Anderson Ranch Reservoirs and a Crest Raise Concept Study of Anderson Ranch

Reference

Bureau of Reclamation, 2005

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-1
Hardcopy Document Location:	Bureau of Reclamation

Document Purpose

The document was prepared to conduct a planning study of means of obtaining additional water due to drought and increase in demand.

Applicability

The document explores the hydrologic and economic feasibility of raising Anderson Ranch and Arrowrock Dams.

Potential Hydroelectric Energy Resources of ID

Reference

Idaho Department of Water Resources (C.C. Warnick, J.R. Filler, P.J. Vance), 1981

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-1
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

The document presents information and references to numerous reports and literature regarding hydropower sites within Idaho. Contains a summary of both existing and potential sites and some descriptive information on each site.

Applicability

The document is very useful with good general descriptions and includes comments on constraints

and economic feasibility.

DRAFT Flood Management in the Lower Boise River Valley

Reference

Idaho Department of Water Resources, 2004

Hardcopy:	
Electronic Copy:	
Quantity and Quality of Information Category:	C-1
Hardcopy Document Location:	Not Published

Document Purpose

The document furnishes information on the current flood peak reduction management practices being used for the Lower Boise River.

Applicability

The document presents storage sites within the Boise Basin that would provide flood control benefits.

U.S. Hydropower Resource Assessment for Idaho

Reference

Idaho National Engineering and Environmental Laboratory, 1998

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-1
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

This is a State of Idaho document supporting the 1989 National Energy Strategy for identifying sites to support expanding energy demand needs.

Applicability

The document identifies many undeveloped, project area sites proposed for potential future hydropower facility needs. Size of facility varies greatly.

Comprehensive State Water Plan Upper Boise River Basin

Reference

Idaho Water Resource Board, 1992

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-1
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

Upper Boise River Basin water plan to support the state water planning process.

Applicability

Provides a good description of the waterway designations within the basin. The Twin Springs project is identified as a potential storage site. Includes map of potential hydropower facilities.

Inventory of Off-stream Reservoir Sites in the Upper Snake River Basin

Reference

Idaho Water Resources Research Institute (L.A. Kirkland, C.C. Warnick, L.F. Heitz) and U.S. Army Corps of Engineers, 1979

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-1
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

The document serves as an appendix to “A Preliminary Appraisal of Off-stream Storage Sites for Meeting Water Storage Requirements in the Upper Snake River Basin.”

Applicability

The document provides a list of proposed facilities, by drainage, of sites with capacity, and classifications of water availability, economic viability, and

impoundment impacts.

Pumped Storage in the Pacific Northwest

Reference

U.S. Army Corps of Engineers, 1976

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-1
Hardcopy Document Location:	Bureau of Reclamation

Document Purpose

The document provides a description and inventory of pumped storage opportunities within the Pacific Northwest.

Applicability

The document describes four sites within the Boise-Payette drainage areas.

A Preliminary Appraisal of Off-stream Reservoir Sites for Meeting Water Storage Requirements in the Upper Snake River Basin

Reference

U.S. Army Corps of Engineers and Idaho Water and Energy Resources Research Institute, 1981

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-1
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

An appraisal of a detailed inventory of off-stream reservoir sites to determine the value of the impoundment in meeting the storage needs within the Upper Snake River Basin.

Applicability

The document provides varying detail on numerous proposed sites within the Boise and Payette River Basins. It includes details on many proposed

facilities that include diversion and storage infrastructure details, facility size, and a summary of impacts from reservoir inundation.

Waterpower Resources of Idaho

Reference

United States Geological Survey (L.L. Young and J.L. Colbert), 1965

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-1
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

This report was prepared to aid in the classification of Federally owned lands valuable for the development of hydropower or for storage.

Applicability

The document provides details for several proposed sites within the project area and includes site-specific information.

Existing Reservoirs and Potential Reservoir Sites in Idaho Volume I, Volume II Descriptions and Tabular Information

Reference

Water Resources Research Institute (J.J. Peebles), 1970

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-1
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

Updated information from the document, "Methodology for evaluating potential surface-water reservoir sites in Idaho – Progress report for the period of September 1, 1968 to September 30, 1969."

Applicability

The document is an important source document for the project. It contains an extensive table of potential sites investigated by the USACE, USGS, and

Reclamation.

Category 2 Documents (Moderately Useful Documents)

Boise River Resource Management and Master Plan

Reference

Boise Parks and Recreation, 1999

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-2
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

Comprehensive management plan for recreation and stream and riparian improvements within and along the Boise River between Barber Dam and Glenwood Avenue.

Applicability

The document is focused on recreation, habitat, and water quality improvements within the City of Boise.

Water Management Opportunities within the Snake River Basin

Reference

Bookman-Edmonston Engineering, 1994

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-2
Hardcopy Document Location:	Bureau of Reclamation

Document Purpose

Support document to the NWPPC to identify additional measures to provide flows for the Salmon Recovery Program (1992).

Applicability

The document describes various methods that may result in additional basin water – vegetation removal, weather modification, land fallowing, and operational changes. Operational changes include

enlarging the New York Canal and Lake Lowell.

Upper Snake River Basin Special Report: Irrigation and Associated Development

Reference

Bureau of Reclamation, 1955

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-2
Hardcopy Document Location:	Bureau of Reclamation

Document Purpose

This report describes existing and potential storage facilities above the Powder River and within the Snake River Basin.

Applicability

The document describes water supply opportunities and potential storage facilities. Examples include raising Black Canyon Dam and developing additional off-stream storage facilities.

Southwest Idaho Water Development Project

Reference

Bureau of Reclamation, 1966

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-2
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

One of the many support document describing and detailing the alternatives for the larger Southwest Idaho Water Development Project (Boise Project).

Applicability

The document is one in a long line of documents that details the proposed plans to build a number of facilities that begin within the North Fork of the Payette Basin and include a dam, tunnels, canals, etc.

and end within Lucky Peak Reservoir.

New York Canal Bicycle Path/Hubbard Reservoir Recreation Analysis

Reference

Bureau of Reclamation, 1979

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-2
Hardcopy Document Location:	Bureau of Reclamation

Document Purpose

This document describes the potential for a bike path along the New York Canal and fish and wildlife development opportunities within Hubbard Reservoir.

Applicability

Hubbard Reservoir serves as emergency short-term storage for the New York Canal as well as for flood control.

Arrowrock Reservoir 1997 Sedimentation Survey

Reference

Bureau of Reclamation, 1997

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-2
Hardcopy Document Location:	Bureau of Reclamation

Document Purpose

The report describes the reservoir topography, computes capacity, and estimates depletion caused by sedimentation.

Applicability

The report describes the capacity losses due to sedimentation and presents an annual loss of 235.4 AF per year.

Arrowrock Reservoir Sediment Quantification and Transport Study Report

Reference

Bureau of Reclamation, 1999

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-2
Hardcopy Document Location:	Bureau of Reclamation

Document Purpose

The document examines the sediment impacts of flushing Arrowrock Reservoir on Lucky Peak operations.

Applicability

The document is focused on the impacts to Lucky Peak and offers no additional recommendations.

Potential Sites for Small Reservoirs Technical Studies Report No. 2

Reference

Idaho Department of Water Resources (K.D. Hessing), 1976

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-2
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

The document identified additional small storage facilities (20,000 to 80,000 AF) recommendations within various Idaho basins.

Applicability

Four facilities within the North Fork Payette Drainage Area above Smiths Ferry were identified.

Inventory of Potential Hydropower Sites in Idaho

Reference

Idaho Department of Water Resources (F. Eisenbarth), 1980

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-2
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

This document provides a summary inventory of potential hydropower facilities across the state.

Applicability

Provides good information on potential hydropower facilities in the study area.

Domestic, Commercial, Municipal, and Industrial (DCMI) Water Demand Assessment and Forecast in Ada and Canyon Counties

Reference

Idaho Department of Water Resources, 2001

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-2
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

The document assesses the current DCMI water-use conditions and project future needs.

Applicability

The study estimates DCMI water demand for the years 2000 to 2025 using data from 1997 and 1998 as the baseline.

Lower Boise River Basin Comprehensive Plan-Draft

Reference

Idaho Department of Water Resources, 2001

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-3
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

The document provides information regarding the initiation of the Lower Boise River Basin planning process that includes draft goals, issues, and problem statements for the comprehensive plan.

Applicability

The document provides valuable supportive information on issues related to water needs within the Basin.

Role of Water Storage in Meeting Future Needs

Reference

Bureau of Reclamation (J. Gregg), 2004

Hardcopy:	
Electronic Copy:	X
Quantity and Quality of Information Category:	C-2
Hardcopy Document Location:	Internet

Document Purpose

The document serves as a presentation for meeting water needs in the Snake River Basin.

www.idwr.state.id.us/Committee/Treasure%20Vall/ey/Gregg%20Presentation%207-20-04.ppt

Applicability

Bullet points for meeting future water needs. Includes Anderson Ranch Dam raise, Lake Lowell raise, pumping from the Snake River, and identifies

two potential storage sites – Moores Hollow and Twin Springs.

Comprehensive State Water Plan: South Fork Boise River Sub-Basin

Reference

Idaho Water Resource Board, 1990

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-2
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

The Comprehensive State Water Plan supports the state water planning process.

Applicability

This document provides information to support planning within the South Fork Boise River. Includes use designations for water bodies and potential hydropower sites within the drainage (although maps and appendix are missing). Information

suggests potential site data were adopted from the Southwest Idaho Water Development Project (BOR, 1966).

Idaho State Water Plan

Reference

Idaho Water Resource Board, 1996

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-2
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

The document provides a guide to the development, management, and use of the state's water and related resources.

Applicability

The document provides state use designations as well as a limited number of potential reservoir sites.

Comprehensive State Water Plan Payette River Basin

Reference

Idaho Water Resource Board, 1999

Hardcopy:	X
Electronic Copy:	X
Quantity and Quality of Information Category:	C-2
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

Comprehensive State Water Plan to support the state water planning process.

Applicability

Document identifies several potential reservoir sites with varying information on size, use, and location. Sites were adopted from IDWR 1981 (Potential Hydroelectric Resources in Idaho).

Black Canyon Reservoir Emmett, Idaho, Sedimentation Survey

Reference

Soil Conservation Service and Bureau of Reclamation, 1971

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-2
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

The document describes the results of the sediment survey conducted within the reservoir to estimate sediment load.

Applicability

The document does not provide recommendations for storage facilities other than a cursory description of the document reservoir.

Lower Boise River and Tributaries, ID—Reconnaissance Study

Reference

U.S. Army Corps of Engineers, 1995

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-2
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

The document reviews various water resource problems, needs, and opportunities within the lower Boise Basin.

Applicability

The document provides important information and recommended several alternatives that include: 1) development of adjacent wetlands for floodwater storage; 2) channel widening, land

purchasing/relocation, and restoration; 3) Lucky Peak dead storage conversion; 4) new storage facilities; 5) channel clearing and maintenance; and 6) floodplain regulation and management.

Appendix Survey Report Boise River Watershed

Reference

U.S. Department of Agriculture, 1950

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-2
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

Appendix to flood control survey report on program of runoff and water flow retardation and soil erosion prevention in the Boise River watershed, Idaho.

Applicability

Recommended numerous watershed management options that include land treatments and acquisitions, storm water channels, and small-scale storage detention facilities.

Feasibility Geologic Report, Anderson Ranch Dam Reregulation Damsites No. 1 & 2, Boise River Project, ID

Reference

Water and Power Resources Service, 1980

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-2
Hardcopy Document Location:	Bureau of Reclamation

Document Purpose

Feasibility investigation of two re-regulation damsites downstream of Anderson Ranch Reservoir.

Applicability

Describes two proposed facilities immediately downstream of Anderson Ranch with capacities of more than 700 AF each.

Boise River Flood Control Proposal for Immediate Post-War Program

Reference

WM.E. Welsh (Watermaster), 1944

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-2
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

The report identified a need for additional flood control following the 1943 floods within the lower Boise River.

Applicability

The document recommended additional storage facilities be constructed within the Middle and North Fork of the Boise Rivers and potentially within the Mores Creek drainage.

Category 3 Documents (Least Useful Documents)

Sedimentation Survey Black Canyon Reservoir Emmett, Idaho

Reference

Bureau of Reclamation and Soil Conservation Service, 1973

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-3
Hardcopy Document Location:	Bureau of Reclamation

Document Purpose

This document presents the results of the sediment survey made jointly by the SCS and Reclamation during the period April to June 1971 and to introduce any other new significant information available.

Applicability

This document describes the estimated rate of sediment deposition in the Black Canyon Reservoir.

Unity Reservoir 1991 Sedimentation Survey

Reference

Bureau of Reclamation, 1991

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-3
Hardcopy Document Location:	Bureau of Reclamation

Document Purpose

The document describes the results of the sediment survey conducted within the reservoir to estimate sediment load.

Applicability

The document addresses areas outside of the project area and not applicable.

Snake River Resources Review (SR3) Blueprint

Reference

Bureau of Reclamation, 1996

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-3
Hardcopy Document Location:	Bureau of Reclamation

Document Purpose

The document is a framework for the foundation and design of the Snake River Resource Review. This review is designed to provide decision-makers with information for reservoir operations.

Applicability

The document provides little in the way of additional storage needs within the project area.

Black Canyon Reservoir Normal Water Surface Increase Study

Reference

Bureau of Reclamation, 1997

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-3
Hardcopy Document Location:	Bureau of Reclamation

Document Purpose

The document describes the need to raise the Black Canyon Reservoir 6 inches.

Applicability

The document recommends a 6-inch raise for an additional capacity of 500 AF at a total cost of \$177,000 (circa 1997).

Combined Report: 1-A Description of BOR System Operations above Milner Dam 1997; 2-A Description of BOR System Operations of the Boise and Payette Rivers 1997; 3-A Description of Miscellaneous Tributaries of the Snake River 1997

Reference

Bureau of Reclamation, 1997

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-3
Hardcopy Document Location:	Bureau of Reclamation

Document Purpose

Combined reports describing storage facility operations above Milner Dam, within the Boise and Payette Basins, and miscellaneous tributaries of the Snake River.

Applicability

This reports describe operations without additional storage recommendations.

Cascade Reservoir 1995 Sedimentation Survey

Reference

Bureau of Reclamation, 1998

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-3
Hardcopy Document Location:	Bureau of Reclamation

Document Purpose

The report describes the reservoir topography, computes capacity, and estimates depletion caused by sedimentation.

Applicability

The report describes the revised operational range of the reservoir.

Snake River Decision Support System

Reference

Bureau of Reclamation, 1999

Hardcopy:	
Electronic Copy:	X
Quantity and Quality of Information Category:	C-3
Hardcopy Document Location:	Bureau of Reclamation

Document Purpose

The document presents a decision support system for managing reservoir and storage systems within the Snake River.

Applicability

The document is a technical management document describing the overall electronic support system.

Lake Lowell Water Quality Management Appraisal Study

Reference

Bureau of Reclamation, 2001

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-3
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

This document examined water quality within Lake Lowell.

Applicability

This document focuses on water quality within the reservoir and related canal systems.

Treasure Valley's Water Future-Summit Summary

Reference

Community Planning Association of Southwest Idaho, Idaho Department of Water Resources, and Idaho Water Resources Research Institute, 2002
<http://boise.uidaho.edu/documents/tvwsexecutivesummary.pdf&pid=33494&doc=1>

Hardcopy:	
Electronic Copy:	X
Quantity and Quality of Information Category:	C-3
Hardcopy Document Location:	Internet

Document Purpose

This draft summary is a report of summit issues, goals, and recommendations.

Applicability

This document provides general recommendations to meet the needs of growth and development within the Treasure Valley.

Draft South Fork Boise River Basin Water Plan Report

Reference

Idaho Department of Water Resources (V.G. King), 1990

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-3
Document Location:	Idaho Department of Water Resources

Document Purpose

South Fork Boise River Basin Water Plan to support the state water planning process.

Applicability

This document provides useful baseline description information as well as sites proposed as hydroelectric facilities. It also includes designated use descriptions and recommendations for several river segments within the Basin.

The Treasure of Our Valley: A Conservation Blueprint for the Boise River

Reference

Idaho Rivers United (IRU), Color Flyer

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-3
Hardcopy Document Location:	Idaho Rivers United

Document Purpose

This document is a summary pamphlet of river conservation goals and a description of conditions with recommendations for better water management.

Applicability

This document recommends additional wetlands for flood management.

Idaho Hydroelectric Potential Appendix IV: Southwest Idaho Basins Theoretical Potential in Streams and Potential at Existing Dams and Proposed Sites

Reference

Idaho Water Resources Research Institute (L.F. Heitz, C.C. Warnick, J.S. Gladwell), 1980

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-3
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

The study evaluated the theoretical potential for small hydroelectric development in Idaho.

Applicability

The report focuses on existing dams and irrigation canals and the capability of those facilities for generating electricity.

Boise, Payette, Weiser Subbasin Management Plan

Reference

Northwest Power Conservation Council, 2004

<http://www.nwcouncil.org/fw/subbasinplanning/boise/plan/>

Hardcopy:	
Electronic Copy:	X
Quantity and Quality of Information Category:	C-3
Hardcopy Document Location:	Internet

Document Purpose

The plan was developed as part of the Northwest Power and Conservation Council's Fish and Wildlife Program to direct funding to fish and wildlife projects within the basins.

Applicability

Primarily a resource management document describing operational recommendations of existing facilities.

Proposed Program of Development of Columbia Drainage Basin: Emergency and Immediate Post-War Projects

Reference

Northwest States Development Association, 1943

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-3
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

The document describes post-war storage facility projects for economic development.

Applicability

The document provides brief descriptions of Anderson Ranch, Cascade Reservoir, Black Canyon Pumping Project, and the Mountain Home Project.

Needed Water Resources Programs in the Snake River Basin to Swan Falls Study Committee of the Legislative Council State of Idaho

Reference

Snake River Technical Advisory Committee, 1983

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-3
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

Technical committee report to the legislature on hydrologic recommendations above Swan Falls.

Applicability

The document is limited to the area above Swan Falls.

Review of Survey Report—Boise River, Idaho

Reference

U.S. Engineer Office, 1946

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-3
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

The document is a support of the construction of the Lucky Peak Dam facility and the installation of the hydropower facility on Arrowrock Reservoir.

Applicability

The document is limited to a description of the need to build Lucky Peak and add hydropower to Arrowrock Reservoir.

Hydrology Support Study for a Case Study of Federal Expenditures on a Water and Related Land Resource Project

Reference

Water Resource Board, Idaho Water Resources Research Institute, 1974

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-3
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

This report was prepared to present hydrologic information, reservoir operation, and irrigation use tied to the Boise Project.

Applicability

Basically, the document is a summary of the 1994 Idaho Water Resource Board, Idaho Water Resources Research Institute (C.C. Warnick, C.E. Brockway).

Methodology for Evaluating Potential Surface-Water Reservoir Sites in Idaho

Reference

Water Resources Research Institute (J.J. Peebles), 1969

Hardcopy:	X
Electronic Copy:	
Quantity and Quality of Information Category:	C-3
Hardcopy Document Location:	Idaho Department of Water Resources

Document Purpose

The document provides documentation for the methods used to identify facilities to supply water within Idaho to support the state water plan.

Applicability

The document is primarily a methodology document with no site recommendations.

**TABLE 1
CROSS-REFERENCE LIST FOR POTENTIAL SITES IN BOISE RIVER BASIN**

Potential Storage Site Boise River Basin	Pumped Storage in the Pacific Northwest, an Inventory U.S. Army Corps of Engineers, 1976	A Preliminary Appraisal of Off-stream Reservoir Sites for Meeting Water Storage Requirements in the Upper Snake River Basin U.S. Army Corps of Engineers and Idaho Water & Energy Resources Research Institute, 1981	Lower Boise River and Tributaries, ID—Reconnaissance— Study U.S. Army Corps of Engineers, 1995	Progress Report Storage Possibilities Payette Watershed Bureau of Reclamation, 1938	Supplemental Report on Twin Springs and Anderson Ranch Reservoir Sites Bureau of Reclamation, 1940	USBR Special Report Bureau of Reclamation, 1955	Upper Snake River Basin Volume I Summary Report Bureau of Reclamation and U.S. Army Corps of Engineers, 1961	New York Canal Bicycle Path/Hubbard Reservoir Recreation Analysis Bureau of Reclamation, 1979	Snake River Basin Dam Site Review Bureau of Reclamation, 1992	Snake River Basin Storage Appraisal Study Bureau of Reclamation and U.S. Army Corps of Engineers, 1994	Refill Probabilities of Arrowrock/Anderson Ranch Reservoirs and a Crest Raise Concept Study of Anderson Ranch Bureau of Reclamation, 2005	U.S. Hydropower Resource Assessment for Idaho Idaho National Engineering and Environmental Laboratory, 1988	Potential Sites for Small Reservoirs Technical Studies Report No. 2 Idaho Department of Water Resources, 1976	DRAFT Flood Management in the Lower Boise River Valley Idaho Department of Water Resources, 2004	Idaho State Water Plan Idaho Water Resources Board, 1996	Inventory of Off-stream Reservoir Sites in the Upper Snake River Basin Idaho Water Resources Research Institute, 1979	Theoretical Potential in Streams and Potential at Existing Dams and Proposed Sites Idaho Water Resources Research Institute, 1980	DRAFT South Fork Boise River Basin Water Plan Report Idaho Department of Water Resources, 1990	Existing Reservoirs and Potential Reservoir Sites in Idaho Volume I Descriptions and Tabular Information Idaho Water Resources Research Institute, 1970	Waterpower Resources of Idaho United States Geological Survey, 1965	Feasibility Geologic Report, Anderson Ranch Dam Reregulation Damsites No. 1&2, Boise River Project, ID Water and Power Resources Service, 1980	
12HD 1							X										X					
12HD 10																	X					
12HD 11							X										X					
12HD 13							X										X			X		
12HD 14							X										X			X		
12HD 15							X										X			X		
12HD 17							X										X			X		
12HD 18																	X			X		
12HD 3																	X					
12HD 4																	X					
12HD 6																	X					
12HD 7																	X					
12HD 9																	X					
Alexander Flats							X		X	X							X				X	
Alva Greene												X										
Anderson Ranch											X	X										
Anderson Ranch Rereg No 1																						X
Anderson Ranch Rereg No 2																						X
Archie Mountain		X							X	X												
Arrowrock						X					X	X		X								
Atlanta																	X					
Bald Mountain																	X					

Potential Storage Site Boise River Basin	Pumped Storage in the Pacific Northwest, an Inventory U.S. Army Corps of Engineers, 1976	A Preliminary Appraisal of Off-stream Reservoir Sites for Meeting Water Storage Requirements in the Upper Snake River Basin U.S. Army Corps of Engineers and Idaho Water & Energy Resources Research Institute, 1981	Lower Boise River and Tributaries, ID—Reconnaissance— Study U.S. Army Corps of Engineers, 1995	Progress Report Storage Possibilities Payette Watershed Bureau of Reclamation, 1938	Supplemental Report on Twin Springs and Anderson Ranch Reservoir Sites Bureau of Reclamation, 1940	USBR Special Report Bureau of Reclamation, 1955	Upper Snake River Basin Volume I Summary Report Bureau of Reclamation and U.S. Army Corps of Engineers, 1961	New York Canal Bicycle Path/Hubbard Reservoir Recreation Analysis Bureau of Reclamation, 1979	Snake River Basin Damsite Review Bureau of Reclamation, 1992	Snake River Basin Storage Appraisal Study Bureau of Reclamation and U.S. Army Corps of Engineers, 1994	Refill Probabilities of Arrowrock/Anderson Ranch Reservoirs and a Crest Raise Concept Study of Anderson Ranch Bureau of Reclamation, 2005	U.S. Hydropower Resource Assessment for Idaho Idaho National Engineering and Environmental Laboratory, 1988	Potential Sites for Small Reservoirs Technical Studies Report No. 2 Idaho Department of Water Resources, 1976	DRAFT Flood Management in the Lower Boise River Valley Idaho Department of Water Resources, 2004	Idaho State Water Plan Idaho Water Resources Board, 1996	Inventory of Off-stream Reservoir Sites in the Upper Snake River Basin Idaho Water Resources Research Institute, 1979	Theoretical Potential in Streams and Potential at Existing Dams and Proposed Sites Idaho Water Resources Research Institute, 1980	DRAFT South Fork Boise River Basin Water Plan Report Idaho Department of Water Resources, 1990	Existing Reservoirs and Potential Reservoir Sites in Idaho Volume I Descriptions and Tabular Information Idaho Water Resources Research Institute, 1970	Waterpower Resources of Idaho United States Geological Survey, 1965	Feasibility Geologic Report, Anderson Ranch Dam Reregulation Damsites No. 1&2, Boise River Project, ID Water and Power Resources Service, 1980	
Barber Flats							X		X	X							X					
Bascum Flats							X		X	X							X					
Bear River		X							X	X							X					
Big Gulch		X							X	X							X					
Big Owl																	X					
Big Smoky						X	X		X	X							X			X		
Blacks Creek Road		X							X	X												
Blacks Lake												X										
Boardman Creek												X					X					
Boise King Powersite																	X					
Casey Ranch							X		X	X										X		
Cat Creek		X							X	X							X					
Chadre		X																				
Conswello		X																				
Coyote Butte		X							X	X					X							
Crooked River East		X							X	X												
Crooked River West		X							X	X												
Dixie Creek		X							X	X							X					
Dog Creek						X	X		X	X												
Dry Creek		X				X	X		X	X				X			X				X	
Dunnigan Creek		X							X	X												
Elk Creek		X							X	X												
Featherville									X	X							X			X		
Firebird		X							X	X												
Graham							X		X	X							X			X	X	
Granite Creek		X							X	X												
Grimes Creek		X							X											X		

Potential Storage Site	Pumped Storage in the Pacific Northwest, an Inventory U.S. Army Corps of Engineers, 1976	A Preliminary Appraisal of Off-stream Reservoir Sites for Meeting Water Storage Requirements in the Upper Snake River Basin U.S. Army Corps of Engineers and Idaho Water & Energy Resources Research Institute, 1981	Lower Boise River and Tributaries, ID—Reconnaissance— Study U.S. Army Corps of Engineers, 1995	Progress Report Storage Possibilities Payette Watershed Bureau of Reclamation, 1938	Supplemental Report on Twin Springs and Anderson Ranch Reservoir Sites Bureau of Reclamation, 1940	USBR Special Report Bureau of Reclamation, 1955	Upper Snake River Basin Volume I Summary Report Bureau of Reclamation and U.S. Army Corps of Engineers, 1961	New York Canal Bicycle Path/Hubbard Reservoir Recreation Analysis Bureau of Reclamation, 1979	Snake River Basin Damsite Review Bureau of Reclamation, 1992	Snake River Basin Storage Appraisal Study Bureau of Reclamation and U.S. Army Corps of Engineers, 1994	Refill Probabilities of Arrowrock/Anderson Ranch Reservoirs and a Crest Raise Concept Study of Anderson Ranch Bureau of Reclamation, 2005	U.S. Hydropower Resource Assessment for Idaho Idaho National Engineering and Environmental Laboratory, 1988	Potential Sites for Small Reservoirs Technical Studies Report No. 2 Idaho Department of Water Resources, 1976	DRAFT Flood Management in the Lower Boise River Valley Idaho Department of Water Resources, 2004	Idaho State Water Plan Idaho Water Resources Board, 1996	Inventory of Off-stream Reservoir Sites in the Upper Snake River Basin Idaho Water Resources Research Institute, 1979	Theoretical Potential in Streams and Potential at Existing Dams and Proposed Sites Idaho Water Resources Research Institute, 1980	DRAFT South Fork Boise River Basin Water Plan Report Idaho Department of Water Resources, 1990	Existing Reservoirs and Potential Reservoir Sites in Idaho Volume I Descriptions and Tabular Information Idaho Water Resources Research Institute, 1970	Waterpower Resources of Idaho United States Geological Survey, 1965	Feasibility Geologic Report, Anderson Ranch Dam Reregulation Damsites No. 1&2, Boise River Project, ID Water and Power Resources Service, 1980	
GWP 13												X										
Highplains Estates																						
Horseshoe Bend Road		X							X	X												
Hubbard								X														
Indian Creek-Mayfield		X							X	X												
Indian Point					X				X	X											X	
Johnson Creek									X	X												
King									X	X										X		
King Site																					X	
Krall Mountain		X																				
Lanktree Gulch		X							X	X				X								
Lime Creek																					X	
Little Gulch		X							X	X				X								
Little Smoky						X			X	X										X		
Long Gulch																				X	X	
Lost Creek																			X			
Lower Crooked River		X																				
Lower Dry Creek		X							X	X												
Lower Feather River		X							X	X												
Lower Little Smoky Creek		X																				
Lucky Peak			X											X								
Magello		X																				
Meadow Creek		X							X	X												
Middleton		X							X	X												
Moores Flat		X							X	X						X						
North Fork Boise River												X										

Potential Storage Site	Pumped Storage in the Pacific Northwest, an Inventory U.S. Army Corps of Engineers, 1976	A Preliminary Appraisal of Off-stream Reservoir Sites for Meeting Water Storage Requirements in the Upper Snake River Basin U.S. Army Corps of Engineers and Idaho Water & Energy Resources Research Institute, 1981	Lower Boise River and Tributaries, ID—Reconnaissance— Study U.S. Army Corps of Engineers, 1995	Progress Report Storage Possibilities Payette Watershed Bureau of Reclamation, 1938	Supplemental Report on Twin Springs and Anderson Ranch Reservoir Sites Bureau of Reclamation, 1940	USBR Special Report Bureau of Reclamation, 1955	Upper Snake River Basin Volume I Summary Report Bureau of Reclamation and U.S. Army Corps of Engineers, 1961	New York Canal Bicycle Path/Hubbard Reservoir Recreation Analysis Bureau of Reclamation, 1979	Snake River Basin Damsite Review Bureau of Reclamation, 1992	Snake River Basin Storage Appraisal Study Bureau of Reclamation and U.S. Army Corps of Engineers, 1994	Refill Probabilities of Arrowrock/Anderson Ranch Reservoirs and a Crest Raise Concept Study of Anderson Ranch Bureau of Reclamation, 2005	U.S. Hydropower Resource Assessment for Idaho Idaho National Engineering and Environmental Laboratory, 1988	Potential Sites for Small Reservoirs Technical Studies Report No. 2 Idaho Department of Water Resources, 1976	DRAFT Flood Management in the Lower Boise River Valley Idaho Department of Water Resources, 2004	Idaho State Water Plan Idaho Water Resources Board, 1996	Inventory of Off-stream Reservoir Sites in the Upper Snake River Basin Idaho Water Resources Research Institute, 1979	Theoretical Potential in Streams and Potential at Existing Dams and Proposed Sites Idaho Water Resources Research Institute, 1980	DRAFT South Fork Boise River Basin Water Plan Report Idaho Department of Water Resources, 1990	Existing Reservoirs and Potential Reservoir Sites in Idaho Volume I Descriptions and Tabular Information Idaho Water Resources Research Institute, 1970	Waterpower Resources of Idaho United States Geological Survey, 1965	Feasibility Geologic Report, Anderson Ranch Dam Reregulation Damsites No. 1&2, Boise River Project, ID Water and Power Resources Service, 1980	
Pioneerville		X							X	X												
Placerville		X							X	X												
Rabbit Creek		X							X	X												
Raspberry							X		X	X							X			X	X	
Rattlesnake Creek	X																					
Sand Hollow Gulch		X							X	X				X		X						
Sawmill																	X				X	
Sebree		X												X								
Slide Gulch												X					X			X	X	
South Fork Boise River							X		X	X												
Stuart Gulch		X							X	X												
Trail Creek																		X				
Trapper Flat		X							X	X												
Trinity Mountain		X																				
Twin Springs		X		X	X	X	X		X	X		X		X	X		X		X	X	X	
Unnamed																			X			
Unnamed																			X			
Unnamed																			X			
Unnamed																			X			
Unnamed																			X			
Upper Crooked River		X							X	X												
Upper Feather River		X																				
Upper Little Smoky Creek		X																				
Upper Willow Creek		X							X	X												
West Hartley Gulch		X							X	X												
Willow Creek																X						

Potential Storage Site Boise River Basin	Pumped Storage in the Pacific Northwest, an Inventory U.S. Army Corps of Engineers, 1976	A Preliminary Appraisal of Off-stream Reservoir Sites for Meeting Water Storage Requirements in the Upper Snake River Basin U.S. Army Corps of Engineers and Idaho Water & Energy Resources Research Institute, 1981	Lower Boise River and Tributaries, ID—Reconnaissance— Study U.S. Army Corps of Engineers, 1995	Progress Report Storage Possibilities Payette Watershed Bureau of Reclamation, 1938	Supplemental Report on Twin Springs and Anderson Ranch Reservoir Sites Bureau of Reclamation, 1940	USBR Special Report Bureau of Reclamation, 1955	Upper Snake River Basin Volume I Summary Report Bureau of Reclamation and U.S. Army Corps of Engineers, 1961	New York Canal Bicycle Path/Hubbard Reservoir Recreation Analysis Bureau of Reclamation, 1979	Snake River Basin Damsite Review Bureau of Reclamation, 1992	Snake River Basin Storage Appraisal Study Bureau of Reclamation and U.S. Army Corps of Engineers, 1994	Refill Probabilities of Arrowrock/Anderson Ranch Reservoirs and a Crest Raise Concept Study of Anderson Ranch Bureau of Reclamation, 2005	U.S. Hydropower Resource Assessment for Idaho Idaho National Engineering and Environmental Laboratory, 1988	Potential Sites for Small Reservoirs Technical Studies Report No. 2 Idaho Department of Water Resources, 1976	DRAFT Flood Management in the Lower Boise River Valley Idaho Department of Water Resources, 2004	Idaho State Water Plan Idaho Water Resources Board, 1996	Inventory of Off-stream Reservoir Sites in the Upper Snake River Basin Idaho Water Resources Research Institute, 1979	Theoretical Potential in Streams and Potential at Existing Dams and Proposed Sites Idaho Water Resources Research Institute, 1980	DRAFT South Fork Boise River Basin Water Plan Report Idaho Department of Water Resources, 1990	Existing Reservoirs and Potential Reservoir Sites in Idaho Volume I Descriptions and Tabular Information Idaho Water Resources Research Institute, 1970	Waterpower Resources of Idaho United States Geological Survey, 1965	Feasibility Geologic Report, Anderson Ranch Dam Reregulation Damsites No. 1&2, Boise River Project, ID Water and Power Resources Service, 1980	
Woods Gulch		X							X	X												
Worewick							X		X	X										X		
Yuba									X	X							X					

TABLE 2
CROSS REFERENCE LIST FOR POTENTIAL SITES IN PAYETTE RIVER BASIN

Potential Storage Site Payette River Basin	Pumped Storage in the Pacific Northwest, an Inventory U.S. Army Corps of Engineers, 1976	A Preliminary Appraisal of Off-stream Reservoir Sites for Meeting Water Storage Requirements in the Upper Snake River Basin U.S. Army Corps of Engineers and Idaho Water & Energy Resources Research Institute, 1981	Progress Report Storage Possibilities Payette Watershed Bureau of Reclamation, 1938	Supplemental Report on Twin Springs and Anderson Ranch Reservoir Sites Bureau of Reclamation, 1940	USRB Special Report Bureau of Reclamation, 1955	Upper Snake River Basin Volume I Summary Report Bureau of Reclamation and U.S. Army Corps of Engineers, 1961	Snake River Basin Dam Site Review Bureau of Reclamation, 1992	Snake River Basin Storage Appraisal Study Bureau of Reclamation and U.S. Army Corps of Engineers, 1994	U.S. Hydropower Resource Assessment for Idaho Idaho National Engineering and Environmental Laboratory, 1988	Potential Sites for Small Reservoirs Technical Studies Report No. 2 Idaho Department of Water Resources, 1976	Idaho State Water Plan Idaho Water Resource Board, 1996	Comprehensive State Water Plan Payette River Basin Idaho Water Resource Board, 1999	Inventory of Off-stream Reservoir Sites in the Upper Snake River Basin Idaho Water Resources Research Institute, 1979	Theoretical Potential in Streams and Potential at Existing Dams and Proposed Sites Idaho Water Resources Research Institute, 1980	Southwest Idaho Water Development Project Bureau of Reclamation, 1966	Existing Reservoirs and Potential Reservoir Sites in Idaho Volume I Descriptions and Tabular Information Water Resources Research Institute, 1970	Waterpower Resources of Idaho United States Geological Survey, 1965
12GH 23						X								X			
12GH 24						X								X			
12HG 11														X			
12HG 13														X			
12HG 21														X			
12HG 22						X								X		X	
Anderson Creek		X					X	X									
Archie Creek							X	X						X			X
Banks									X							X	
Banks Lower									X							X	
Banks to Horseshoe Bend														X			
Beaver Creek						X								X			
Big Creek		X															
Big Creek										X							
Big Eddy														X			
Big Falls									X								
Big Pine Creek							X	X						X		X	X
Big Willow Creek		X					X	X					X				
Birding Island		X					X	X									
Bissel Creek		X					X	X			X	X					
Black Bear									X								
Black Canyon		X							X							X	
Bogus Creek							X	X	X	X	X		X	X			X

Potential Storage Site Payette River Basin	Pumped Storage in the Pacific Northwest, an Inventory U.S. Army Corps of Engineers, 1976	A Preliminary Appraisal of Off-stream Reservoir Sites for Meeting Water Storage Requirements in the Upper Snake River Basin U.S. Army Corps of Engineers and Idaho Water & Energy Resources Research Institute, 1981	Progress Report Storage Possibilities Payette Watershed Bureau of Reclamation, 1938	Supplemental Report on Twin Springs and Anderson Ranch Reservoir Sites Bureau of Reclamation, 1940	USRB Special Report Bureau of Reclamation, 1955	Upper Snake River Basin Volume I Summary Report Bureau of Reclamation and U.S. Army Corps of Engineers, 1961	Snake River Basin Damsite Review Bureau of Reclamation, 1992	Snake River Basin Storage Appraisal Study Bureau of Reclamation and U.S. Army Corps of Engineers, 1994	U.S. Hydropower Resource Assessment for Idaho Idaho National Engineering and Environmental Laboratory, 1988	Potential Sites for Small Reservoirs Technical Studies Report No. 2 Idaho Department of Water Resources, 1976	Idaho State Water Plan Idaho Water Resource Board, 1996	Comprehensive State Water Plan Payette River Basin Idaho Water Resource Board, 1999	Inventory of Off-stream Reservoir Sites in the Upper Snake River Basin Idaho Water Resources Research Institute, 1979	Theoretical Potential in Streams and Potential at Existing Dams and Proposed Sites Idaho Water Resources Research Institute, 1980	Southwest Idaho Water Development Project Bureau of Reclamation, 1966	Existing Reservoirs and Potential Reservoir Sites in Idaho Volume I Descriptions and Tabular Information Water Resources Research Institute, 1970	Waterpower Resources of Idaho United States Geological Survey, 1965
Boiling Springs							X	X									X
Boulder Creek		X					X	X	X								
Box Creek									X								
Browns Pond		X							X								
Brush Creek									X								
Cabarton			X		X	X	X	X						X			
Canyon Creek							X	X						X		X	X
Casner							X	X						X		X	X
Clear Creek														X			X
Cloverleaf														X		X	X
Cottonwood Creek							X	X								X	
Crystal School		X					X	X									
Dead Horse Creek									X								
Deadwood Canyon					X												
Deadwood River									X								
Deer Creek									X								
Dry Buck Creek	X	X					X	X									
Eightmile														X			X
Elk Lake														X			X
Fall Creek									X								
Ferncroft									X								
Fisher Creek									X								
Fogus Site														X			X
Garden Valley		X	X		X	X	X	X				X		X	X	X	X
Garden Valley														X		X	
Garden Valley Reregulating							X	X						X	X	X	X

Potential Storage Site Payette River Basin	Pumped Storage in the Pacific Northwest, an Inventory U.S. Army Corps of Engineers, 1976	A Preliminary Appraisal of Off-stream Reservoir Sites for Meeting Water Storage Requirements in the Upper Snake River Basin U.S. Army Corps of Engineers and Idaho Water & Energy Resources Research Institute, 1981	Progress Report Storage Possibilities Payette Watershed Bureau of Reclamation, 1938	Supplemental Report on Twin Springs and Anderson Ranch Reservoir Sites Bureau of Reclamation, 1940	USRB Special Report Bureau of Reclamation, 1955	Upper Snake River Basin Volume I Summary Report Bureau of Reclamation and U.S. Army Corps of Engineers, 1961	Snake River Basin Damsite Review Bureau of Reclamation, 1992	Snake River Basin Storage Appraisal Study Bureau of Reclamation and U.S. Army Corps of Engineers, 1994	U.S. Hydropower Resource Assessment for Idaho Idaho National Engineering and Environmental Laboratory, 1988	Potential Sites for Small Reservoirs Technical Studies Report No. 2 Idaho Department of Water Resources, 1976	Idaho State Water Plan Idaho Water Resource Board, 1996	Comprehensive State Water Plan Payette River Basin Idaho Water Resource Board, 1999	Inventory of Off-stream Reservoir Sites in the Upper Snake River Basin Idaho Water Resources Research Institute, 1979	Theoretical Potential in Streams and Potential at Existing Dams and Proposed Sites Idaho Water Resources Research Institute, 1980	Southwest Idaho Water Development Project Bureau of Reclamation, 1966	Existing Reservoirs and Potential Reservoir Sites in Idaho Volume I Descriptions and Tabular Information Water Resources Research Institute, 1970	Waterpower Resources of Idaho United States Geological Survey, 1965
Gold Fork			X			X				X	X	X					
Gold Fork		X															
Grand Jean			X			X	X	X				X				X	X
Grassy Flat		X					X	X									
Green Mountain		X					X	X									
Grimes Pass									X								
Haw Creek		X					X	X					X				
High Valley		X					X	X									
High Valley					X												
Horseshoe Bend							X	X						X		X	
Horsethief Basin		X					X	X									
Jug Creek									X								
Kennally Creek		X											X				
Kirkham Hot Springs																	
Little Payette Lake		X				X	X	X									
Little Willow Creek		X				X	X	X									
Louie Creek									X								
Lower Scriver Creek		X			X		X	X									X
Lower Shafer Creek		X					X	X									
Lower Squaw Creek		X					X	X									
Lowman																X	
Mains						X											
Middle Fork Payette River		X					X	X									
Montour Valley							X	X	X					X			
North Fork									X								
Ola			X			X	X	X						X		X	

Potential Storage Site Payette River Basin	Pumped Storage in the Pacific Northwest, an Inventory U.S. Army Corps of Engineers, 1976	A Preliminary Appraisal of Off-stream Reservoir Sites for Meeting Water Storage Requirements in the Upper Snake River Basin U.S. Army Corps of Engineers and Idaho Water & Energy Resources Research Institute, 1981	Progress Report Storage Possibilities Payette Watershed Bureau of Reclamation, 1938	Supplemental Report on Twin Springs and Anderson Ranch Reservoir Sites Bureau of Reclamation, 1940	USRB Special Report Bureau of Reclamation, 1955	Upper Snake River Basin Volume I Summary Report Bureau of Reclamation and U.S. Army Corps of Engineers, 1961	Snake River Basin Damsite Review Bureau of Reclamation, 1992	Snake River Basin Storage Appraisal Study Bureau of Reclamation and U.S. Army Corps of Engineers, 1994	U.S. Hydropower Resource Assessment for Idaho Idaho National Engineering and Environmental Laboratory, 1988	Potential Sites for Small Reservoirs Technical Studies Report No. 2 Idaho Department of Water Resources, 1976	Idaho State Water Plan Idaho Water Resource Board, 1996	Comprehensive State Water Plan Payette River Basin Idaho Water Resource Board, 1999	Inventory of Off-stream Reservoir Sites in the Upper Snake River Basin Idaho Water Resources Research Institute, 1979	Theoretical Potential in Streams and Potential at Existing Dams and Proposed Sites Idaho Water Resources Research Institute, 1980	Southwest Idaho Water Development Project Bureau of Reclamation, 1966	Existing Reservoirs and Potential Reservoir Sites in Idaho Volume I Descriptions and Tabular Information Water Resources Research Institute, 1970	Waterpower Resources of Idaho United States Geological Survey, 1965
Oxbow Bend							X	X	X					X		X	X
Paddock Valley									X								
Peace Valley						X						X		X			X
Pidgeon Flat		X															
Pine Flat						X			X					X		X	
Rocky Canyon							X	X						X			X
Round Valley		X	X				X	X									
Round Valley Upper									X								
Sand Hollow						X	X	X									
Sand Hollow		X					X	X				X					
Scott Creek														X		X	X
Scott Valley			X			X	X	X									
Scott Valley		X															
Scriver Creek					X				X						X		X
Shafer Creek									X								
Slick Rock		X															
Smith Ferry			X		X										X		
Squaw Valley					X												
Steep Creek														X		X	X
Sweet		X					X	X									
Tamarack Falls			X									X		X			
Ten Mile														X			
Tripod Creek		X					X	X					X				
Tranquil Basin	X																
Upper Big Willow Creek		X					X	X					X				
Upper Payette Lake		X	X		X	X	X	X		X		X		X			X

Potential Storage Site Payette River Basin	Pumped Storage in the Pacific Northwest, an Inventory U.S. Army Corps of Engineers, 1976	A Preliminary Appraisal of Off-stream Reservoir Sites for Meeting Water Storage Requirements in the Upper Snake River Basin U.S. Army Corps of Engineers and Idaho Water & Energy Resources Research Institute, 1981	Progress Report Storage Possibilities Payette Watershed Bureau of Reclamation, 1938	Supplemental Report on Twin Springs and Anderson Ranch Reservoir Sites Bureau of Reclamation, 1940	USRB Special Report Bureau of Reclamation, 1955	Upper Snake River Basin Volume I Summary Report Bureau of Reclamation and U.S. Army Corps of Engineers, 1961	Snake River Basin Damsite Review Bureau of Reclamation, 1992	Snake River Basin Storage Appraisal Study Bureau of Reclamation and U.S. Army Corps of Engineers, 1994	U.S. Hydropower Resource Assessment for Idaho Idaho National Engineering and Environmental Laboratory, 1988	Potential Sites for Small Reservoirs Technical Studies Report No. 2 Idaho Department of Water Resources, 1976	Idaho State Water Plan Idaho Water Resource Board, 1996	Comprehensive State Water Plan Payette River Basin Idaho Water Resource Board, 1999	Inventory of Off-stream Reservoir Sites in the Upper Snake River Basin Idaho Water Resources Research Institute, 1979	Theoretical Potential in Streams and Potential at Existing Dams and Proposed Sites Idaho Water Resources Research Institute, 1980	Southwest Idaho Water Development Project Bureau of Reclamation, 1966	Existing Reservoirs and Potential Reservoir Sites in Idaho Volume I Descriptions and Tabular Information Water Resources Research Institute, 1970	Waterpower Resources of Idaho United States Geological Survey, 1966
Upper Shafer Creek		X					X	X									
Upper Squaw Creek		X					X	X									
Warm Spring													X				
Warm Spring Creek		X					X	X									
Wash Creek		X					X	X									

IV. Reference Database

Relevant information from available literature has been input into a electronic database so that information can be used to easily search for relevant criteria (for example, how many on-stream potential sites are located in the Payette River Basin versus the Boise River Basin) and to facilitate the display of this information in a GIS-compatible format. The electronic version of this database has been transferred to Reclamation. This section contains a complete hardcopy print-out of the database so that readers that do not have access to the electronic version can examine the contents of the database.

Worksheet

DATABASE

FIELD

ID
 Dam Name
 Dam Name 2 (a.k.a)
 Dam Name 3 (a.k.a)
 Basin
 Type

 Water Source
 Water Source 2
 Water Source 3
 Literature Review References

Maximum Capacity Value
 Minimum Capacity Value
 Range of Capacity Values
 Reservoir Capacity Value by Literature Review Reference
 Estimated Cost Value by Literature Review Reference
 Reason Not Constructed
 Additional Reason Not Constructed
 Maximum Crest Water Surface Elevation
 Minimum Crest Water Surface Elevation
 TR
 Township
 Range
 County
 HUC No.
 Subbasin Name
 Quad. Name
 Location Unknown

Definitions

This worksheet contains all fields of the literature review database. A description of each field is provided below.

Site ID that is linked to GIS database
 Site name
 Site was referred to with multiple names - also known as (a.k.a)
 Site was referred to with multiple names - also known as (a.k.a)
 Payette or Boise basin
 Site was designated as Onstream, Off-Stream, or existing based on literature review reference. Sites are listed as "Unclassified" if they were not formally designated in the literature review reference.
 Water source and/or drainage way where the dam site is located.
 Additional water source when multiple sources were identified in literature review references.
 Additional water source when multiple sources were identified in literature review references.
 Columns J thru AJ contain references for each site to the literature review reference that provided data. Row 2 contains the author/date that can be cross-referenced to the Bibliography in Section III. If a site was identified in the document it is identified with an "X" in rows 3 thru 209.
 Maximum reservoir capacity value that was listed for all literature review references.
 Minimum reservoir capacity value that was listed for all literature review references.
 Range of reservoir capacity values that were listed for all literature review references.
 Columns AN thru BN contain the reservoir capacity as listed by each literature review reference.
 Columns BO thru BW contain the estimated reservoir cost as listed by each literature review reference.
 Reason not constructed
 Additional reason not constructed
 Maximum crest water surface elevation as listed in literature review reference
 Minimum crest water surface elevation as listed in literature review reference
 Township/Range that site is located in
 Township that site is located in
 Range that site is located in
 County that site is located in
 Hydrologic unit code (HUC) that site is located in
 Subbasin that site is located in
 7.5' minute USGS quadrangle that site is located in
 "X" indicates that the site was identified in a literature review reference but that the specific location is unknown.

Page_1thru7

11x17 print formatted sheets that contain the following fields:
 Dam Name
 Dam Name 2 (a.k.a)
 Dam Name 3 (a.k.a)
 Basin
 Type
 Water Source
 Water Source 2
 Water Source 3
 Literature Review References

Page_8thru14

11x17 print formatted sheets that contain the following fields:
 Dam Name
 Reservoir Capacity Value by Literature Review Reference

Page_15thru21

11x17 print formatted sheets that contain the following fields:
 Dam Name
 Maximum Capacity Value
 Minimum Capacity Value
 Range of Capacity Values
 Reservoir Capacity Value by Literature Review Reference
 Reason Not Constructed
 Additional Reason Not Constructed
 Maximum Crest Water Surface Elevation
 Minimum Crest Water Surface Elevation
 TR
 Township
 Range
 County
 HUC No.
 Subbasin Name
 Quad Name
 Location Unknown

Dam Name	Dam Name 2 (a.k.a)	Dam Name 3 (a.k.a)	Basin	Type	Water Source	Water Source 2	Water Source 3	Bureau of Reclamation, 1994	Bureau of Reclamation, 1992	U.S. Army Corps of Engineers, 1981	Idaho Water Resources Research Institute, 1979	Idaho Water Resources Research Institute, 1981	Idaho Water Resources Research Institute, 1979	Idaho Water Resource Board, 1992	Bureau of Reclamation, 1996	Bureau of Reclamation, 1999	Bureau of Reclamation, 1938	Bureau of Reclamation, 1940	Bureau of Reclamation, 1955	Bureau of Reclamation, 1961	Bureau of Reclamation, 1966	Bureau of Reclamation, 1979	Idaho National Engineering and Environmental Laboratory, 1998	Idaho National Engineering and Environmental Laboratory, 1976	United States Geological Survey, 2004	Water Resources Research Institute, 1965	Southwest Idaho Water Development Project, 1966	U.S. Army Corps of Engineers, 1970	Idaho Water Resources, 1976	U.S. Army Corps of Engineers, 1990	Idaho Water Resources Research Institute, 1976	Water and Power Resources Service, 1980			
Bogus Creek			Payette	Onstream	North Fork Payette River			X	X			X										X	X		X										
Boiling Springs			Payette	Onstream	Middle Fork Payette River			X	X																X										
Bull Trout Lake			Payette	Onstream	Warm Springs Creek																														
Cabarton			Payette	Onstream	North Fork Payette River			X	X			X		X	X	X																			
Canyon Creek			Payette	Onstream	South Fork Payette River			X	X			X			X										X	X									
Casner Creek	12HG 11		Payette	Onstream	South Fork Payette River			X	X			X			X										X	X									
Cottonwood Creek			Payette	Onstream	Squaw Creek			X	X						X											X									
Garden Valley			Payette	Onstream	North Fork Payette River	Payette River	South Fork Payette River	X	X	X		X		X	X	X	X	X							X	X	X								
Garden Valley Reregulating			Payette	Onstream	South Fork Payette River	Payette River		X	X			X				X									X	X									
Gold Fork			Payette	Onstream	Gold Fork River						X	X	X	X		X							X												
Grand Jean			Payette	Onstream	South Fork Payette River			X	X			X	X		X										X	X									
Horseshoe Bend			Payette	Onstream	Payette River			X	X			X														X									
Jake's Creek			Payette	Onstream	Jake's Creek	Willow Creek									X																				
Lowman			Payette	Onstream	South Fork Payette River						X															X									
MacIntyre Gulch			Payette	Onstream	MacIntyre Gulch	Little Willow Creek									X																				
Ola	Squaw Creek	Little Squaw Creek	Payette	Onstream	Squaw Creek			X	X			X		X	X											X									
Oxbow Bend			Payette	Onstream	South Fork Payette River			X	X			X			X								X		X	X									
Peace Valley			Payette	Onstream	Silver Creek						X	X			X										X										
Rocky Canyon			Payette	Onstream	Middle Fork Payette River			X	X			X													X										
Sand Hollow			Payette	Onstream	Payette River			X	X	X	X																								
Scott Creek			Payette	Onstream	Deadwood River						X														X	X									
Scott Valley			Payette	Onstream	Big Creek			X	X					X	X																				
Smith Ferry			Payette	Onstream	North Fork Payette River									X	X	X																			
Steep Creek	Sheep Creek		Payette	Onstream	South Fork Payette River						X				X										X	X									
Tamarack Falls			Payette	Onstream	North Fork Payette River						X	X	X																						
12GH 23			Payette	Unclassified	Middle Fork Payette River						X				X																				
12GH 24			Payette	Unclassified	Middle Fork Payette River						X				X																				
12HG 11	Casner Creek		Payette	Unclassified	South Fork Payette River						X																								
12HG 13			Payette	Unclassified	South Fork Payette River						X																								
12HG 21			Payette	Unclassified	Payette River						X																								
12HG 22			Payette	Unclassified	Payette River						X				X																				
Banks			Payette	Unclassified	North Fork Payette River																		X			X									

Dam Name	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1994	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1992	Reservoir Capacity (acre-feet) U.S. Army Corps of Engineers, 1981	Reservoir Capacity (acre-feet) Idaho Water Resources Research Institute, 1979	Reservoir Capacity (acre-feet) Idaho Water Resources Research Institute, 1980	Reservoir Capacity (acre-feet) Idaho Water Resource Board, 1992	Reservoir Capacity (acre-feet) Idaho Water Resource Board, 1996	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1999	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1938	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1940	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1955	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1961	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1966	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1979	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1997	Reservoir Capacity (acre-feet) Idaho National Engineering and Environmental Laboratory, 1998	Reservoir Capacity (acre-feet) Idaho Department of Water Resources, 1976	Reservoir Capacity (acre-feet) United States Geological Survey, 2004	Reservoir Capacity (acre-feet) Water Resources Research Institute, 1965	Reservoir Capacity (acre-feet) Southwest Idaho Water Development Project, 1966	Reservoir Capacity (acre-feet) Idaho Department of Water Resources, 1970	Reservoir Capacity (acre-feet) U.S. Army Corps of Engineers, 1990	Reservoir Capacity (acre-feet) U.S. Army Corps of Engineers, 1976	Reservoir Capacity (acre-feet) Idaho Water Resources Research Institute, 1981	Reservoir Capacity (acre-feet) Water and Power Resources Service, 1980		
Anderson Ranch														30,000													
Arrowrock								3,155						35,290	6,336												
Hubbard												4,060															
Lucky Peak																		35,000									
Archie Mountain	49,000																										
Bear Creek																											
Bear River	93,000		95,000																								
Big Gulch	36,000																										
Big Owl																											
Blacks Creek Road	44,000																										
Boardman Creek																											
Cat Creek	93,000		95,000																								
Chadre		24,000																									
Conswello		56,000																									
Coyote Butte	260,000																										
Crooked River East	37,000																										
Crooked River West	119,000																										
Dixie Creek	46,000		47,000																								
Dry Creek	53,000		54,000							220,000																	
Dunnigan Creek	240,000																										
Elk Creek	41,000																										
Firebird	67,000																										
Granite Creek	48,000																										
Grimes Creek		1,500,000								5,000									5,000								
Horseshoe Bend Road	100,000																										
Indian Creek-Mayfield	52,000																										
Johnson Creek	180,000																										
Krall Mountain		121,000																									
Lanktree Gulch	22,000																										
Lime Creek																											
Little Gulch	16,000																										
Lower Crooked River		250,000																									

Dam Name	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1994	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1992	Reservoir Capacity (acre-feet) U.S. Army Corps of Engineers, 1981	Reservoir Capacity (acre-feet) Idaho Water Resources Research Institute, 1979	Reservoir Capacity (acre-feet) Idaho Water Resources Research Institute, 1980	Reservoir Capacity (acre-feet) Idaho Water Resource Board, 1992	Reservoir Capacity (acre-feet) Idaho Water Resource Board, 1996	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1999	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1938	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1940	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1955	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1961	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1966	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1979	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1997	Reservoir Capacity (acre-feet) Idaho National Engineering and Environmental Laboratory, 1998	Reservoir Capacity (acre-feet) Idaho Department of Water Resources, 1976	Reservoir Capacity (acre-feet) United States Geological Survey, 2004	Reservoir Capacity (acre-feet) Water Resources Research Institute, 1965	Reservoir Capacity (acre-feet) Southwest Idaho Water Development Project, 1966	Reservoir Capacity (acre-feet) Idaho Department of Water Resources, 1990	Reservoir Capacity (acre-feet) U.S. Army Corps of Engineers, 1976	Reservoir Capacity (acre-feet) Idaho Water Resources Research Institute, 1981	Reservoir Capacity (acre-feet) Water and Power Resources Service, 1980		
Lower Dry Creek	43,000																									
Lower Feather River	24,000																									
Lower Little Smoky Creek			76,000																							
Magello			27,000																							
Meadow Creek	44,000																									
Middleton	29,000																									
Moore's Flat	52,000		55,000																							
Pioneerville	58,000																									
Placerville	21,000																									
Rabbit Creek	152,000																									
Sand Hollow Gulch	41,000		42,000							39,000																
Sawmill																										
Sebree			30,000																							
Stuart Gulch	37,000																									
Trapper Flat	178,000																									
Trinity Mountain			104,000																							
Upper Crooked River	49,000																									
Upper Feather River			70,000																							
Upper Little Smoky Creek			87,000																							
Upper Willow Creek	31,000																									
West Hartley Gulch	31,000																									
Willow Creek			46,000																							
Woods Gulch	26,000																									
Alexander Flats	50,000	15,000								50,000								15,000								
Bald Mountain																										
Barber Flats	76,000									76,000																
Bascum Flats	90,000									122,000																
Beaver Creek																										
Big Smoky	125,000									258,000									171,000							
Blacks Creek										19,000																
Boise-Rochester																										
Casey Ranch	270,000									64,000									369,000							

Dam Name	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1994	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1992	Reservoir Capacity (acre-feet) U.S. Army Corps of Engineers, 1981	Reservoir Capacity (acre-feet) Idaho Water Resources Research Institute, 1979	Reservoir Capacity (acre-feet) Idaho Water Resources Research Institute, 1980	Reservoir Capacity (acre-feet) Idaho Water Resource Board, 1992	Reservoir Capacity (acre-feet) Idaho Water Resource Board, 1996	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1999	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1938	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1940	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1955	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1961	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1966	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1979	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1997	Reservoir Capacity (acre-feet) Idaho National Engineering and Environmental Laboratory, 1998	Reservoir Capacity (acre-feet) Idaho Department of Water Resources, 1976	Reservoir Capacity (acre-feet) United States Geological Survey, 2004	Reservoir Capacity (acre-feet) Water Resources Research Institute, 1965	Reservoir Capacity (acre-feet) Southwest Idaho Water Development Project, 1966	Reservoir Capacity (acre-feet) Idaho Department of Water Resources, 1990	Reservoir Capacity (acre-feet) U.S. Army Corps of Engineers, 1990	Reservoir Capacity (acre-feet) Idaho Water Resources, 1976	Reservoir Capacity (acre-feet) Reservoir Capacity (acre-feet) Water and Power Resources Service, 1980	
Deer Park																									
Dog Creek	165,000									165,000															
Dutch Frank Hot Springs																									
Featherville	34,000																								
Graham	44,000									44,000							44,000	84,700							
Indian Point	20,000																								
King	56,000																								
Lake Creek																									
Little Smoky	12,000									12,000															
Long Gulch			27,000																						
Lost Creek																									
Monarch																									
Raspberry	160,000									145,000								180,000							
South Fork Boise River	113,000									113,000															
Slide Gulch																									
Swanholm Creek																									
Tin Cup Creek																									
Twin Springs	490,000			410,000			170,000			410,000								410,000							
Worewick	12,000									12,000															
Yuba	90,000																								
12HD 1																									
12HD 10																									
12HD 11																									
12HD 13																									
12HD 14																									
12HD 17																									
12HD 18																									
12HD 3																									
12HD 4																									
12HD 6																									
12HD 7																									
12HD 9																									

Dam Name	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1994	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1992	Reservoir Capacity (acre-feet) U.S. Army Corps of Engineers, 1981	Reservoir Capacity (acre-feet) Idaho Water Resources Research Institute, 1979	Reservoir Capacity (acre-feet) Idaho Water Resources Research Institute, 1980	Reservoir Capacity (acre-feet) Idaho Water Resource Board, 1992	Reservoir Capacity (acre-feet) Idaho Water Resource Board, 1996	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1999	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1938	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1940	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1955	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1961	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1966	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1976	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1979	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1997	Reservoir Capacity (acre-feet) Idaho National Engineering and Environmental Laboratory, 1998	Reservoir Capacity (acre-feet) Idaho Department of Water Resources, 1976	Reservoir Capacity (acre-feet) United States Geological Survey, 1965	Reservoir Capacity (acre-feet) Water Resources Research Institute, 1965	Reservoir Capacity (acre-feet) Southwest Idaho Water Development Project, 1966	Reservoir Capacity (acre-feet) Idaho Department of Water Resources, 1970	Reservoir Capacity (acre-feet) U.S. Army Corps of Engineers, 1990	Reservoir Capacity (acre-feet) U.S. Army Corps of Engineers, 1976	Reservoir Capacity (acre-feet) Idaho Water Resources Research Institute, 1981	Reservoir Capacity (acre-feet) Water and Power Resources Service, 1980	
Alva Greene																											
Anderson Ranch Rereg No 1																											770
Anderson Ranch Rereg No 2																											2,600
Atlanta																											
Blacks Lake																											
Boise King Powersite																											
GWP 13																											
North Fork Boise River																											
Trail Creek																											
Unnamed																											
Unnamed																											
Unnamed																											
Unnamed																											
Unnamed																											
Black Canyon		180,000											500														
Big Payette Lake																											
Little Payette Lake	37,000									63,000																	
Upper Payette Lake	98,000		49,000		49,000	37,000				37,000						50,000		49,000									
Anderson Creek	51,000																										
Beaver Creek																											
Big Creek		400,000																									
Big Eddy																											
Big Willow Creek	310,000		313,000																								
Birding Island	175,000																										
Bissel Creek	153,500	187,000	200,000		153,500																						
Boulder Creek	93,000																										
Browns Pond		92,000																									
Cloverleaf																											
Crystal School	91,000																										
Deadwood River																											
Dry Buck Creek	380,000																										
Eightmile																											

Dam Name	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1994	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1992	Reservoir Capacity (acre-feet) U.S. Army Corps of Engineers, 1981	Reservoir Capacity (acre-feet) Idaho Water Resources Research Institute, 1979	Reservoir Capacity (acre-feet) Idaho Water Resources Research Institute, 1980	Reservoir Capacity (acre-feet) Idaho Water Resource Board, 1992	Reservoir Capacity (acre-feet) Idaho Water Resource Board, 1996	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1999	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1938	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1940	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1955	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1961	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1966	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1979	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1997	Reservoir Capacity (acre-feet) Idaho National Engineering and Environmental Laboratory, 1998	Reservoir Capacity (acre-feet) Idaho Department of Water Resources, 1976	Reservoir Capacity (acre-feet) United States Geological Survey, 2004	Reservoir Capacity (acre-feet) Water Resources Research Institute, 1985	Reservoir Capacity (acre-feet) Southwest Idaho Water Development Project, 1986	Reservoir Capacity (acre-feet) Idaho Department of Water Resources, 1970	Reservoir Capacity (acre-feet) U.S. Army Corps of Engineers, 1990	Reservoir Capacity (acre-feet) U.S. Army Corps of Engineers, 1976	Reservoir Capacity (acre-feet) Idaho Water Resources Research Institute, 1981	Reservoir Capacity (acre-feet) Water and Power Resources Service, 1980		
Fogus Site																											
Garden Valley				576,000																							
Gold Fork		930,000																									
Grassy Flat	32,000																										
Green Mountain	24,000																										
Haw Creek	33,000		35,000																								
High Valley	1,760,000																										
Horsethief Basin	75,000																										
Kennally Creek		330,000	351,000																								
Little Willow Creek	85,000									1,000																	
Lower Scriver Creek	44,000																										
Lower Shafer Creek	34,000																										
Lower Squaw Creek	550,000																										
Mains																											
Middle Fork Payette River	1,600,000																										
Montour Valley	32,000																										
Pidgeon Flat		490,000																									
Round Valley	430,000																										
Sand Hollow	39,000									39,000																	
Scott Valley		131,000																									
Scriver Creek																											
Slick Rock		35,000																									
Sweet	148,000																										
Tripod Creek	54,000		57,000																								
Upper Big Willow Creek	350,000		160,000																								
Upper Shafer Creek	93,000																										
Upper Squaw Creek	2,600,000																										
Warm Spring Creek	61,500																										
Wash Creek	55,000																										
Alkali Creek										5,000																	
Archie Creek	140,000																										270,000
Big Pine Creek	110,000																										

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Bogus Creek	33,000					33,000										33,000											
Boiling Springs	70,000																										
Bull Trout Lake										15,000																	
Cabarton	1,400,000		66,000 - 95,000							1,400,000																	
Canyon Creek	33,000																										
Casner Creek	142,000																										
Cottonwood Creek	50,000																										
Garden Valley	1,940,000	2,400,000				1,940,000	1,330,000			1,940,000								1,940,000		2,400,000							
Garden Valley Reregulating	8,000																										
Gold Fork						79,700	80,000			80,000						80,000											
Grand Jean	88,000					88,000	90,000			88,000																	
Horseshoe Bend	480,000																			600,000							
Jake's Creek										3,800																	
Lowman																											
MacIntyre Gulch										1,000																	
Oia	93,000						50,000			93,000																	
Oxbow Bend	60,000																			70,000							
Peace Valley				13,000		13,000				13,000										13,000							
Rocky Canyon	23,000																										
Sand Hollow	145,000		68,000																								
Scott Creek																											
Scott Valley	18,000						18,000			18,000																	
Smith Ferry							95,000																				
Steep Creek																											
Tamarack Falls				20,000			20,000																				
12GH 23																											
12GH 24																											
12HG 11																											
12HG 13																											
12HG 21																											
12HG 22																											
Banks																											

Dam Name	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1994	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1992	Reservoir Capacity (acre-feet) U.S. Army Corps of Engineers, 1981	Reservoir Capacity (acre-feet) Idaho Water Resources Research Institute, 1979	Reservoir Capacity (acre-feet) Idaho Water Resources Research Institute, 1980	Reservoir Capacity (acre-feet) Idaho Resource Board, 1992	Reservoir Capacity (acre-feet) Idaho Water Resource Board, 1996	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1999	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1938	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1940	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1955	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1961	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1986	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1979	Reservoir Capacity (acre-feet) Bureau of Reclamation, 1997	Reservoir Capacity (acre-feet) Idaho National Engineering and Environmental Laboratory, 1998	Reservoir Capacity (acre-feet) Idaho Department of Water Resources, 1976	Reservoir Capacity (acre-feet) United States Geological Survey, 2004	Reservoir Capacity (acre-feet) Water Resources Research Institute, 1965	Reservoir Capacity (acre-feet) Southwest Idaho Water Development Project, 1966	Reservoir Capacity (acre-feet) Idaho Department of Water Resources, 1970	Reservoir Capacity (acre-feet) U.S. Army Corps of Engineers, 1990	Reservoir Capacity (acre-feet) U.S. Army Corps of Engineers, 1976	Reservoir Capacity (acre-feet) Idaho Water Resources Research Institute, 1995	Reservoir Capacity (acre-feet) Water and Power Resources Service, 1980	
Banks Lower																										
Banks to Horseshoe Bend																										
Big Creek																20,000										
Big Falls																										
Black Bear																										
Box Creek																										
Brush Creek																										
Clear Creek																										
Dead Horse Creek																										
Deadwood Canyon																										
Deer Creek																										
Elk Lake																										
Fall Creek																										
Ferncroft																										
Fisher Creek																										
Grimes Pass																										
High Valley																										
Jug Creek																										
Kirkham Hot Springs																										
Louie Creek																										
North Fork																										
Paddock Valley																										
Pine Flat																										
Round Valley Upper																										
Shafer Creek																										
Squaw Valley																										
Ten Mile																										
Warm Spring																										

Dam Name	Maximum Capacity Value	Minimum Capacity Value	Range of Capacity Values	Estimated Cost Bureau of Reclamation, 1994	Estimated Cost Bureau of Reclamation, 1938	Reason Not Constructed	Additional Reason Not Constructed	Maximum Crest Water Surface Elevation	Minimum Crest Water Surface Elevation	TR	Township	Range	County	HUC No.	Subbasin Name	Quad. Name	Location Unknown
Anderson Ranch	30,000	30,000	28,945							01S08E	01S	08E	ELMORE	17050113	SOUTH FORK BOISE	ANDERSON RANCH DAM	
Arrowrock	35,290	3,155	3155-35290							03N04E	03N	04E	BOISE	17050112	BOISE-MORES	ARROWROCK DAM	
Hubbard	4,060	4,060	4,060							02N01E	02N	01E	ADA	17050114	LOWER BOISE	CLOVERDALE	
Lucky Peak	35,000	35,000	35,000			Expansion precluded due to high capitol cost				02N03E	02N	03E	ADA	17050114	LOWER BOISE	LUCKY PEAK	
Archie Mountain	49,000	49,000	49,000							08N08E	08N	08E	BOISE	17050111	NORTH AND MIDDLE FORK BOISE	JACKSON PEAK	
Bear Creek						Anderson Ranch Regulates Runoff				03N13E	03N	13E	CAMAS	17050113	SOUTH FORK BOISE	BOARDMAN CREEK	
Bear River	95,000	93,000	93000-95000			Anderson Ranch Regulates Runoff				06N10E	06N	10E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	NAHNEKE MOUNTAIN	
Big Gulch	36,000	36,000	36,000							05N01E	05N	01E	ADA	17050114	LOWER BOISE	EAGLE	
Big Owl	NA	NA	NA							07N09E	07N	09E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	BEAR RIVER	
Blacks Creek Road	44,000	44,000	44,000			Runoff inadequate.				02N05E	02N	05E	ELMORE	17050113	SOUTH FORK BOISE	GRAPE MOUNTAIN	
Boardman Creek	NA	NA	NA							03N13E	03N	13E	CAMAS	17050113	SOUTH FORK BOISE	BOARDMAN CREEK	
Cat Creek	95,000	93,000	93000-95000							01S09E	01S	09E	ELMORE	17050113	SOUTH FORK BOISE	ANDERSON RANCH DAM	
Chadre	24,000	24,000	24,000														X
Conswello	56,000	56,000	56,000														X
Coyote Butte	260,000	260,000	260,000							02S03E	02S	03E	ADA	17050114	LOWER BOISE	ORCHARD	
Crooked River East	37,000	37,000	37,000							07N07E	07N	07E	BOISE	17050111	NORTH AND MIDDLE FORK BOISE	BIG OWL CREEK	
Crooked River West	119,000	119,000	119,000							07N07E	07N	07E	BOISE	17050111	NORTH AND MIDDLE FORK BOISE	BIG OWL CREEK	
Dixie Creek	47,000	46,000	46000-47000							01S08E	01S	08E	ELMORE	17050113	SOUTH FORK BOISE	ANDERSON RANCH DAM	
Dry Creek	220,000	53,000	53000-220000							04N02E	04N	02E	ADA	17050114	LOWER BOISE	BOISE NORTH	
Dunnigan Creek	240,000	240,000	240,000							04N04E	04N	04E	BOISE	17050112	BOISE-MORES	DUNNIGAN CREEK	
Elk Creek	41,000	41,000	41,000							07N06E	07N	06E	BOISE	17050112	BOISE-MORES	SUNSET MOUNTAIN	
Firebird	67,000	67,000	67,000							05N01W	05N	01W	ADA	17050114	LOWER BOISE	SOUTHEAST EMMETT	
Granite Creek	48,000	48,000	48,000							07N04E	07N	04E	BOISE	17050112	BOISE-MORES	PLACERVILLE	
Grimes Creek	1,500,000	5,000	5000-1500000			Lucky Peak Regulation Runoff				06N04E	06N	04E	BOISE	17050112	BOISE-MORES	WARM SPRINGS POINT	
Horseshoe Bend Road	100,000	100,000	100,000							05N01E	05N	01E	ADA	17050114	LOWER BOISE	PEARL	
Indian Creek-Mayfield	52,000	52,000	52,000							01N05E	01N	05E	ELMORE	17050114	LOWER BOISE	MAYFIELD	
Johnson Creek	180,000	180,000	180,000							04N13E	04N	13E	CAMAS	17050113	SOUTH FORK BOISE	NEWMAN PEAK	
Krall Mountain	121,000	121,000	121,000							03N06E	03N	06E	ELMORE	17050113	SOUTH FORK BOISE	LONG GULCH	
Lanktree Gulch	22,000	22,000	22,000							05N02W	05N	02W	CANYON	17050114	LOWER BOISE	MIDDLETON	
Lime Creek	NA	NA	NA			Recommended specifically for protection as protected river.				01N11E	01N	11E	ELMORE	17050113	SOUTH FORK BOISE	SPROUT MOUNTAIN	
Little Gulch	16,000	16,000	16,000							05N01E	05N	01E	ADA	17050114	LOWER BOISE	SOUTHEAST EMMETT	
Lower Crooked River	250,000	250,000	250,000														X
Lower Dry Creek	43,000	43,000	43,000							05N02E	05N	02E	ADA	17050114	LOWER BOISE	EAGLE	
Lower Feather River	24,000	24,000	24,000							04N10E	04N	10E	ELMORE	17050113	SOUTH FORK BOISE	CAYUSE POINT	
Lower Little Smoky Creek	76,000	76,000	76,000			Anderson Ranch Regulates Runoff				04N14E	04N	14E	CAMAS	17050113	SOUTH FORK BOISE	PARADISE PEAK	
Magello	27,000	27,000	27,000														X

Dam Name	Maximum Capacity Value	Minimum Capacity Value	Range of Capacity Values	Estimated Cost Bureau of Reclamation, 1994	Estimated Cost Bureau of Reclamation, 1938	Reason Not Constructed	Additional Reason Not Constructed	Maximum Crest Water Surface Elevation	Minimum Crest Water Surface Elevation	TR	Township	Range	County	HUC No.	Subbasin Name	Quad. Name	Location Unknown
Meadow Creek	44,000	44,000	44,000							05N07E	05N	07E	BOISE	17050111	NORTH AND MIDDLE FORK BOISE	RABBIT CREEK SUMMIT	
Middleton	29,000	29,000	29,000							05N02W	05N	02W	CANYON	17050114	LOWER BOISE	MIDDLETON	
Moore's Flat	55,000	52,000	52000-55000							01N10E	01N	10E	ELMORE	17050113	SOUTH FORK BOISE	PINE	
Pioneerville	58,000	58,000	58,000							07N05E	07N	05E	BOISE	17050112	BOISE-MORES	PIONEERVILLE	
Placerville	21,000	21,000	21,000							07N05E	07N	05E	BOISE	17050112	BOISE-MORES	PLACERVILLE	
Rabbit Creek	152,000	152,000	152,000			Twin Springs site preferred				06N07E	06N	07E	BOISE	17050111	NORTH AND MIDDLE FORK BOISE	BARBER FLAT	
Sand Hollow Gulch	42,000	39,000	39000-42000			Land in reservoir area developed under Boise-Payette project				05N04W	05N	04W	CANYON	17050114	LOWER BOISE	PARMA SE	
Sawmill	NA	NA	NA							02N09E	02N	09E	ELMORE	17050113	SOUTH FORK BOISE	HOUSE MOUNTAIN	
Sebree	30,000	30,000	30,000														X
Stuart Gulch	37,000	37,000	37,000							04N02E	04N	02E	ADA	17050114	LOWER BOISE	BOISE NORTH	
Trapper Flat	178,000	178,000	178,000							08N09E	08N	09E	BOISE	17050111	NORTH AND MIDDLE FORK BOISE	JACKSON PEAK	
Trinity Mountain	104,000	104,000	104,000														X
Upper Crooked River	49,000	49,000	49,000							06N08E	06N	08E	BOISE	17050111	NORTH AND MIDDLE FORK BOISE	BARBER FLAT	
Upper Feather River	70,000	70,000	70,000														X
Upper Little Smoky Creek	87,000	87,000	87,000							03N14E	03N	14E	CAMAS	17050113	SOUTH FORK BOISE	DOLLARHIDE MOUNTAIN	
Upper Willow Creek	31,000	31,000	31,000							06N01W	06N	01W	GEM	17050114	LOWER BOISE	SOUTHEAST EMMETT	
West Hartley Gulch	31,000	31,000	31,000							06N03W	06N	03W	GEM	17050114	LOWER BOISE	SAND HOLLOW	
Willow Creek	46,000	46,000	46,000							03N05E	03N	05E	ELMORE	17050113	SOUTH FORK BOISE	GRAPE MOUNTAIN	
Woods Gulch	26,000	26,000	26,000							05N01E	05N	01E	ADA	17050114	LOWER BOISE	EAGLE	
Alexander Flats	50,000	15,000	15000-50000							05N07E	05N	07E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	SHEEP CREEK	
Bald Mountain	NA	NA	NA							06N10E	06N	10E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	ATLANTA WEST	
Barber Flats	76,000	76,000	76,000							05N08E	05N	08E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	BARBER FLAT	
Bascum Flats	122,000	90,000	90000-122000							03N11E	03N	11E	ELMORE	17050113	SOUTH FORK BOISE	GROUSE BUTTE	
Beaver Creek						Anderson Ranch Regulates Runoff				03N12E	03N	12E	CAMAS	17050113	SOUTH FORK BOISE	JUMBO MOUNTAIN	
Big Smoky	258,000	125,000	125000-258000			Anderson Ranch Regulates Runoff				03N13E	03N	13E	CAMAS	17050113	SOUTH FORK BOISE	BOARDMAN CREEK	
Blacks Creek	19,000	19,000	19,000			Runoff inadequate				02N02E	02N	02E	ADA	17050114	LOWER BOISE	OWYHEE	
Boise-Rochester						Twin Springs site preferred				06N11E	06N	11E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	ATLANTA WEST	
Casey Ranch	369,000	64,000	64000-369000							02N10E	02N	10E	ELMORE	17050113	SOUTH FORK BOISE	FEATHERVILLE	
Deer Park						Twin Springs site preferred				07N09E	07N	09E	BOISE	17050111	NORTH AND MIDDLE FORK BOISE	BEAR RIVER	
Dog Creek	165,000	165,000	165,000							02N10E	02N	10E	ELMORE	17050113	SOUTH FORK BOISE	FEATHERVILLE	
Dutch Frank Hot Springs						Twin Springs site preferred				05N09E	05N	09E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	GRAND MOUNTAIN	
Featherville	34,000	34,000	34,000							03N10E	03N	10E	ELMORE	17050113	SOUTH FORK BOISE	GROUSE BUTTE	
Graham	84,700	44,000	44000-84700							08N10E	08N	10E	BOISE	17050111	NORTH AND MIDDLE FORK BOISE	SWANHOLM PEAK	
Indian Point	20,000	20,000	20,000							01S08E	01S	08E	ELMORE	17050113	SOUTH FORK BOISE	LONG TOM RESERVOIR	
King	56,000	56,000	56,000							05N08E	05N	08E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	BARBER FLAT	
Lake Creek						Twin Springs site preferred				06N10E	06N	10E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	PHIFER CREEK	

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Little Smoky	12,000	12,000	12,000			Anderson Ranch Regulates Runoff				03N14E	03N	14E	CAMAS	17050113	SOUTH FORK BOISE	SYDNEY BUTTE	
Long Gulch	27,000	27,000	27,000							03N06E	03N	06E	ELMORE	17050113	SOUTH FORK BOISE	LONG GULCH	
Lost Creek	NA	NA	NA							06N08E	06N	08E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	BARBER FLAT	
Monarch						Twin Springs site preferred				06N10E	06N	10E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	PHIFER CREEK	
Raspberry	180,000	145,000	145000-180000							02N07E	02N	07E	ELMORE	17050113	SOUTH FORK BOISE	DANSKIN PEAK	
South Fork Boise River	113,000	113,000	113,000							01N07E	01N	07E	ELMORE	17050113	SOUTH FORK BOISE	CATHEDRAL ROCKS	
Slide Gulch	NA	NA	NA							04N06E	04N	06E	BOISE	17050112	BOISE-MORES	TWIN SPRINGS	
Swanholm Creek						Twin Springs site preferred				05N09E	05N	09E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	GRAND MOUNTAIN	
Tin Cup Creek	152,000	152,000	152,000			Twin Springs site preferred				05N07E	05N	07E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	BARBER FLAT	
Twin Springs	490,000	170,000	170000-490000			Not economically feasible				04N07E	04N	07E	ELMORE	17050112	BOISE-MORES	TWIN SPRINGS	
Worewick	12,000	12,000	12,000			Anderson Ranch Regulates Runoff				03N14E	03N	14E	CAMAS	17050113	SOUTH FORK BOISE	SYDNEY BUTTE	
Yuba	90,000	90,000	90,000			Twin Springs site preferred				05N11E	05N	11E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	ATLANTA WEST	
12HD 1	NA	NA	NA			Twin Springs site preferred				04N06E	04N	06E	BOISE	17050112	BOISE-MORES	TWIN SPRINGS	
12HD 10	NA	NA	NA							05N09E	05N	09E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	GRAND MOUNTAIN	
12HD 11	NA	NA	NA			Twin Springs site preferred				05N08E	05N	08E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	GRAND MOUNTAIN	
12HD 13	NA	NA	NA			Twin Springs site preferred				06N08E	06N	08E	BOISE	17050111	NORTH AND MIDDLE FORK BOISE	BEAR RIVER	
12HD 14	NA	NA	NA			Twin Springs site preferred				06N08E	06N	08E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	BIG OWL CREEK	
12HD 17	NA	NA	NA			High Unit Cost				03N12E	03N	12E	CAMAS	17050113	SOUTH FORK BOISE	BOARDMAN CREEK	
12HD 18	NA	NA	NA							03N12E	03N	12E	CAMAS	17050113	SOUTH FORK BOISE	JUMBO MOUNTAIN	
12HD 3	NA	NA	NA							06N11E	06N	11E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	ATLANTA EAST	
12HD 4	NA	NA	NA							06N11E	06N	11E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	ATLANTA WEST	
12HD 6	NA	NA	NA							06N10E	06N	10E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	PHIFER CREEK	
12HD 7	NA	NA	NA							06N10E	06N	10E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	PHIFER CREEK	
12HD 9	NA	NA	NA							05N09E	05N	09E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	GRAND MOUNTAIN	
Alva Greene	NA	NA	NA							10N05E	10N	05E	BOISE	17050121	MIDDLE FORK PAYETTE	LIGHTNING RIDGE	
Anderson Ranch Rereg No 1	770	770	770							01S08E	01S	08E	ELMORE	17050113	SOUTH FORK BOISE	ANDERSON RANCH DAM	
Anderson Ranch Rereg No 2	2,600	2,600	2,600							01S08E	01S	08E	ELMORE	17050113	SOUTH FORK BOISE	ANDERSON RANCH DAM	
Atlanta	NA	NA	NA							06N12E	06N	12E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	ATLANTA EAST	
Blacks Lake	NA	NA	NA														X
Boise King Powersite	NA	NA	NA							06N10E	06N	10E	ELMORE	17050111	NORTH AND MIDDLE FORK BOISE	PHIFER CREEK	
GWP 13	NA	NA	NA														X
North Fork Boise River	NA	NA	NA														X
Trail Creek	NA	NA	NA							07N10E	07N	10E	BOISE	17050111	NORTH AND MIDDLE FORK BOISE	SWANHOLM PEAK	
Unnamed	NA	NA	NA							01N09E	01N	09E	ELMORE	17050113	SOUTH FORK BOISE	HOUSE MOUNTAIN	
Unnamed	NA	NA	NA							02N10E	02N	10E	ELMORE	17050113	SOUTH FORK BOISE	PINE	
Unnamed	NA	NA	NA							01N10E	01N	10E	ELMORE	17050113	SOUTH FORK BOISE	PINE	

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Unnamed	NA	NA	NA							05N13E	05N	13E	CAMAS	17050113	SOUTH FORK BOISE	MARSHALL PEAK	
Unnamed	NA	NA	NA							03N14E	03N	14E	CAMAS	17050113	SOUTH FORK BOISE	SYDNEY BUTTE	
Black Canyon	180,000	500	500-180000							07N01W	07N	01W	GEM	17050122	PAYETTE	NORTHEAST EMMETT	
Big Payette Lake						Expansion precluded due to recreational area				18N03E	18N	03E	Valley	17050123	NORTH FORK PAYETTE	MCCALL	
Little Payette Lake	63,000	37,000	37000-63000			Enlarged site plans unfavorable due to geology				18N03E	18N	03E	VALLEY	17050123	NORTH FORK PAYETTE	MCCALL	
Upper Payette Lake	98,000	37,000	37000-98000		\$600,000	Relocate forest highway	Unfavorable geology, Garden Valley site preferred			21N04E	21N	04E	VALLEY	17050123	NORTH FORK PAYETTE	BLACK TIP	
Anderson Creek	51,000	51,000	51,000							09N04E	09N	04E	BOISE	17050121	MIDDLE FORK PAYETTE	GARDEN VALLEY	
Beaver Creek	NA	NA	NA			Smiths Ferry- Scriver Creek complex preferred				11N03E	11N	03E	VALLEY	17050123	NORTH FORK PAYETTE	SMITHS FERRY	
Big Creek	400,000	400,000	400,000														X
Big Eddy	NA	NA	NA			Smiths Ferry- Scriver Creek complex preferred				11N03E	11N	03E	VALLEY	17050123	NORTH FORK PAYETTE	SMITHS FERRY	
Big Willow Creek	313,000	310,000	310000-313000			Infrastructure				08N03W	08N	03W	PAYETTE	17050122	PAYETTE	SHEEP RIDGE	
Birding Island	175,000	175,000	175,000							08N04W	08N	04W	PAYETTE	17050122	PAYETTE	BIRDING ISLAND	
Bissel Creek	200,000	153,500	153500-200000	\$189,000,000		Raise groundwater table	High pumping cost	2690		07N02W	07N	02W	GEM	17050122	PAYETTE	NORTHWEST EMMETT	
Boulder Creek	93,000	93,000	93,000							18N04E	18N	04E	VALLEY	17050123	NORTH FORK PAYETTE	FITSUM SUMMIT	
Browns Pond	92,000	92,000	92,000														X
Cloverleaf	NA	NA	NA			Garden Valley site preferred				09N07E	09N	07E	BOISE	17050120	SOUTH FORK PAYETTE	SCOTT CREEK	
Crystal School	91,000	91,000	91,000							09N05W	09N	05W	PAYETTE	17050122	PAYETTE	PAYETTE	
Deadwood River	NA	NA	NA			Garden Valley site preferred				11N07E	11N	07E	VALLEY	17050120	SOUTH FORK PAYETTE	DEADWOOD RESERVOIR	
Dry Buck Creek	380,000	380,000	380,000							09N02E	09N	02E	BOISE	17050122	PAYETTE	DRY BUCK VALLEY	
Eightmile	NA	NA	NA							10N09E	10N	09E	BOISE	17050120	SOUTH FORK PAYETTE	MILLER MOUNTAIN EAST	
Fogus Site	NA	NA	NA			Wilderness recommendation area, economically				10N10E	10N	10E	BOISE	17050120	SOUTH FORK PAYETTE	GRANDJEAN	
Garden Valley	576,000	576,000	576,000							09N04E	09N	04E	BOISE	17050121	MIDDLE FORK PAYETTE	GARDEN VALLEY	
Gold Fork	930,000	930,000	930,000							16N04E	16N	04E	VALLEY	17050123	NORTH FORK PAYETTE	SLOANS POINT	
Grassy Flat	32,000	32,000	32,000							12N04E	12N	04E	VALLEY	17050123	NORTH FORK PAYETTE	SKUNK CREEK SUMMIT	
Green Mountain	24,000	24,000	24,000							17N05E	17N	05E	VALLEY	17050123	NORTH FORK PAYETTE	BLACKMARE	
Haw Creek	35,000	33,000	33000-35000							07N01W	07N	01W	GEM	17050122	PAYETTE	NORTHEAST EMMETT	
High Valley	1,760,000	1,760,000	1,760,000							10N02E	10N	02E	GEM	17050122	PAYETTE	HIGH VALLEY	
Horsethief Basin	75,000	75,000	75,000							14N04E	14N	04E	VALLEY	17050123	NORTH FORK PAYETTE	EAGLE NEST	
Kennally Creek	351,000	330,000	330000-351000							16N04E	16N	04E	VALLEY	17050123	NORTH FORK PAYETTE	SLOANS POINT	
Little Willow Creek	85,000	1,000	1000-85000			Infrastructure	Runoff controlled by upstream reservoir			09N03W	09N	03W	PAYETTE	17050122	PAYETTE	HOLLAND GULCH	
Lower Scriver Creek	44,000	44,000	44,000							10N04E	10N	04E	BOISE	17050121	MIDDLE FORK PAYETTE	PYLE CREEK	
Lower Shafer Creek	34,000	34,000	34,000							06N03E	06N	03E	BOISE	17050122	PAYETTE	HORSESHOE BEND	
Lower Squaw Creek	550,000	550,000	550,000							08N01E	08N	01E	GEM	17050122	PAYETTE	WEBB CREEK	
Mains	NA	NA	NA			Smiths Ferry- Scriver Creek complex preferred				10N03E	10N	03E	VALLEY	17050123	NORTH FORK PAYETTE	PACKER JOHN MOUNTAIN	
Middle Fork Payette River	1,600,000	1,600,000	1,600,000							10N04E	10N	04E	BOISE	17050121	MIDDLE FORK PAYETTE	PYLE CREEK	
Montour Valley	32,000	32,000	32,000							07N01E	07N	01E	GEM	17050122	PAYETTE	MONTOUR	

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Pidgeon Flat	490,000	490,000	490,000														X
Round Valley	430,000	430,000	430,000			High canal sys. const. cost and low run-off				12N04E	12N	04E	VALLEY	17050123	NORTH FORK PAYETTE	SKUNK CREEK SUMMIT	
Sand Hollow	39,000	39,000	39,000							07N03W	07N	03W	GEM	17050122	PAYETTE	LETHA	
Scott Valley	131,000	131,000	131,000			Conflicts with storage in Cascade Reservoir				14N04E	14N	04E	VALLEY	17050123	NORTH FORK PAYETTE	EAGLE NEST	
Scriver Creek	NA	NA	NA							10N04E	10N	04E	BOISE	17050121	MIDDLE FORK PAYETTE	PACKER JOHN MOUNTAIN	
Slick Rock	35,000	35,000	35,000														X
Sweet	148,000	148,000	148,000							08N01E	08N	01E	GEM	17050122	PAYETTE	MONTOUR	
Tripod Creek	57,000	54,000	54000-57000							11N03E	11N	03E	VALLEY	17050123	NORTH FORK PAYETTE	SMITHS FERRY	
Upper Big Willow Creek	350,000	160,000	160000-350000							08N02W	08N	02W	PAYETTE	17050122	PAYETTE	HOG COVE BUTTE	
Upper Shafer Creek	93,000	93,000	93,000							06N02E	06N	02E	BOISE	17050122	PAYETTE	CARTWRIGHT CANYON	
Upper Squaw Creek	2,600,000	2,600,000	2,600,000							09N01E	09N	01E	GEM	17050122	PAYETTE	WEBB CREEK	
Warm Spring Creek	61,500	61,500	61,500							10N05E	10N	05E	BOISE	17050121	MIDDLE FORK PAYETTE	LIGHTNING RIDGE	
Wash Creek	55,000	55,000	55,000							08N04E	08N	04E	BOISE	17050120	SOUTH FORK PAYETTE	GARDEN VALLEY	
Alkali Creek	5,000	5,000	5,000			Inadequate runoff				09N02W	09N	02W	PAYETTE	17050122	PAYETTE	HOG COVE BUTTE	
Archie Creek	270,000	140,000	140000-270000			High unit cost	Road and game preserve			09N08E	09N	08E	BOISE	17050120	SOUTH FORK PAYETTE	JACKSON PEAK	
Big Pine Creek	110,000	110,000	110,000			Garden Valley site preferred				09N06E	09N	06E	BOISE	17050120	SOUTH FORK PAYETTE	GRIMES PASS	
Bogus Creek	33,000	33,000	33,000							11N03E	11N	03E	VALLEY	17050123	NORTH FORK PAYETTE	SMITHS FERRY	
Boiling Springs	70,000	70,000	70,000							11N05E	11N	05E	VALLEY	17050121	MIDDLE FORK PAYETTE	BOILING SPRING	
Bull Trout Lake	15,000	15,000	15,000			Unfavorable geology, possible excessive leakage				11N10E	11N	10E	BOISE	17050120	SOUTH FORK PAYETTE	BULL TROUT POINT	
Cabarton	1,400,000	1,400,000	66000-1400000		\$622,000 - \$950,000					13N04E	13N	04E	VALLEY	17050123	NORTH FORK PAYETTE	ALPHA	
Canyon Creek	33,000	33,000	33,000			High unit cost				10N10E	10N	10E	BOISE	17050120	SOUTH FORK PAYETTE	GRANDJEAN	
Casner Creek	142,000	142,000	142,000			High unit cost				09N09E	09N	09E	BOISE	17050120	SOUTH FORK PAYETTE	JACKSON PEAK	
Cottonwood Creek	50,000	50,000	50,000			Adjacent farm area				10N01E	10N	01E	GEM	17050122	PAYETTE	OLA	
Garden Valley	2,400,000	1,330,000	1330000-2400000		\$9,600,000					09N03E	09N	03E	BOISE	17050122	PAYETTE	BANKS	
Garden Valley Reregulating	8,000	8,000	8,000							09N03E	09N	03E	BOISE	17050122	PAYETTE	BANKS	
Gold Fork	80,000	79,700	79700-80000			High const. cost and conflict with irr. devel.				13N04E	13N	04E	VALLEY	17050123	NORTH FORK PAYETTE	SKUNK CREEK SUMMIT	
Grand Jean	90,000	88,000	88000-90000			Inundation of mining claims and high const. cost	Garden Valley site preferred			09N11E	09N	11E	BOISE	17050120	SOUTH FORK PAYETTE	GRANDJEAN	
Horseshoe Bend	600,000	480,000	480000-600000			Garden Valley site preferred				07N02E	07N	02E	BOISE	17050122	PAYETTE	MONTOUR	
Jake's Creek	3,800	3,800	3,800			Inadequate runoff				09N01W	09N	01W	PAYETTE	17050122	PAYETTE	SQUAW BUTTE	
Lowman	NA	NA	NA							09N07E	09N	07E	BOISE	17050120	SOUTH FORK PAYETTE	PINE FLAT	
MacIntyre Gulch	1,000	1,000	1,000			Runoff controlled by upstream reservoir				09N03W	09N	03W	PAYETTE	17050122	PAYETTE	SHEEP RIDGE	
Ola	93,000	50,000	50000-93000			Infrastructure and exist. irr. and dry year hydro.				09N01E	09N	01E	GEM	17050122	PAYETTE	OLA	
Oxbow Bend	70,000	60,000	60000-70000			Garden Valley site preferred				09N07E	09N	07E	BOISE	17050120	SOUTH FORK PAYETTE	PINE FLAT	
Peace Valley	13,000	13,000	13,000			High unit cost	Garden Valley site preferred			12N05E	12N	05E	VALLEY	17050121	MIDDLE FORK PAYETTE	BOILING SPRING	
Rocky Canyon	23,000	23,000	23,000							11N05E	11N	05E	VALLEY	17050121	MIDDLE FORK PAYETTE	SIXMILE POINT	
Sand Hollow	145,000	68,000	68000-145000			Infrastructure				07N04W	07N	04W	PAYETTE	17050122	PAYETTE	NEW PLYMOUTH	

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Scott Creek	NA	NA	NA							10N07E	10N	07E	BOISE	17050120	SOUTH FORK PAYETTE	SCOTT CREEK	
Scott Valley	18,000	18,000	18,000			Small amount of storage and poss. leakage											X
Smith Ferry	95,000	95,000	95,000		\$2,300,000					11N03E	11N	03E	VALLEY	17050123	NORTH FORK PAYETTE	SMITHS FERRY	
Steep Creek	NA	NA	NA			Right of way				09N07E	09N	07E	BOISE	17050120	SOUTH FORK PAYETTE	LOWMAN	
Tamarack Falls	20,000	20,000	20,000			Innundated by Cascade Dam const.				16N03E	16N	03E	VALLEY	17050123	NORTH FORK PAYETTE	LONE TREE	
12GH 23	NA	NA	NA							11N05E	11N	05E	VALLEY	17050121	MIDDLE FORK PAYETTE	SIXMILE POINT	
12GH 24	NA	NA	NA			High unit costs	Garden Valley site preferred			10N05E	10N	05E	BOISE	17050121	MIDDLE FORK PAYETTE	PYLE CREEK	
12HG 11	NA	NA	NA							09N09E	09N	09E	BOISE	17050120	SOUTH FORK PAYETTE	TYEE MOUNTAIN	
12HG 13	NA	NA	NA							09N08E	09N	08E	BOISE	17050120	SOUTH FORK PAYETTE	LOWMAN	
12HG 21	NA	NA	NA							09N04E	09N	04E	BOISE	17050121	MIDDLE FORK PAYETTE	GARDEN VALLEY	
12HG 22	NA	NA	NA			Smiths Ferry- Scriver Creek complex preferred				09N03E	09N	03E	BOISE	17050123	NORTH FORK PAYETTE	BANKS	
Banks	NA	NA	NA							09N03E	09N	03E	BOISE	17050123	NORTH FORK PAYETTE	PACKER JOHN MOUNTAIN	
Banks Lower	NA	NA	NA			Infrastructure (railroad, highways, and towns)				08N03E	08N	03E	BOISE	17050122	PAYETTE	DRY BUCK VALLEY	
Banks to Horseshoe Bend	NA	NA	NA							08N03E	08N	03E	BOISE	17050122	PAYETTE	DRY BUCK VALLEY	
Big Creek	20,000	20,000	20,000							15N05E	15N	05E	VALLEY	17050123	NORTH FORK PAYETTE	ORO MOUNTAIN	
Big Falls	NA	NA	NA														X
Black Bear	NA	NA	NA														X
Box Creek	NA	NA	NA														X
Brush Creek	NA	NA	NA														X
Clear Creek	NA	NA	NA							10N08E	10N	08E	BOISE	17050120	SOUTH FORK PAYETTE	MILLER MOUNTAIN WEST	
Dead Horse Creek	NA	NA	NA														X
Deadwood Canyon	NA	NA	NA							09N07E	09N	07E	BOISE	17050120	SOUTH FORK PAYETTE	PINE FLAT	
Deer Creek	NA	NA	NA														X
Elk Lake	NA	NA	NA							09N11E	09N	11E	BOISE	17050120	SOUTH FORK PAYETTE	IDAHO MOUNTAIN	
Fall Creek	NA	NA	NA														X
Ferncroft	NA	NA	NA														X
Fisher Creek	NA	NA	NA														X
Grimes Pass	NA	NA	NA														X
High Valley	NA	NA	NA							09N01E	09N	01E	GEM	17050122	PAYETTE	OLA	
Jug Creek	NA	NA	NA														X
Kirkham Hot Springs	270,000	270,000	270,000							09N08E	09N	08E	BOISE	17050120	SOUTH FORK PAYETTE	LOWMAN	
Louie Creek	NA	NA	NA														X
North Fork	NA	NA	NA														X
Paddock Valley	NA	NA	NA														X
Pine Flat	NA	NA	NA			Garden Valley site preferred				08N06E	08N	06E	BOISE	17050120	SOUTH FORK PAYETTE	PINE FLAT	
Round Valley Upper	NA	NA	NA														

Dam Name	Maximum Capacity Value	Minimum Capacity Value	Range of Capacity Values	Estimated Cost Bureau of Reclamation, 1994	Estimated Cost Bureau of Reclamation, 1938	Reason Not Constructed	Additional Reason Not Constructed	Maximum Crest Water Surface Elevation	Minimum Crest Water Surface Elevation	TR	Township	Range	County	HUC No.	Subbasin Name	Quad. Name	Location Unknown
Shafer Creek	NA	NA	NA														X
Squaw Valley	NA	NA	NA							11N01E	11N	01E	GEM	17050122	PAYETTE	DODSON PASS	
Ten Mile	NA	NA	NA			High unit cost				10N10E	10N	10E	BOISE	17050120	SOUTH FORK PAYETTE	EIGHTMILE MOUNTAIN	
Warm Spring	NA	NA	NA			High unit cost				09N10E	09N	10E	BOISE	17050120	SOUTH FORK PAYETTE	EIGHTMILE MOUNTAIN	

V. Copies of Relevant Information

Copies of relevant information used to complete this literature report are located in, and can be viewed at, Reclamation's Snake River Area Office library.