United States Department of the Interior

BUREAU OF RECLAMATION
MINIDOKA PROJECT OFFICE
1359 HANSEN AVENUE
BURLEY, IDAHO 83318-1821

IN REPLY
REFER TO

December 11, 1986

MINUTES OF COMMITTEE MEETING
HELD TO
DETERMINE AND APPROVE THE NET POWER PRODUCTION LOSSES
AT THE
MINIDOKA POWERPLANT DURING 1985

There was no net power production loss for the year ending September 30, 1985. The average annual loss for the 20-year period ending 1985 is 3,883,700 kWh. The following table shows the 20-year average net power losses for the past nine years.

Year	kWh		Mills/kWh	
1985	3,883,700	x	5.1	$19,806.87
1984	3,883,700	x	5.1	19,806.87
1983	4,523,500	x	5.1	23,069.85
1982	5,088,100	x	5.1	25,949.31
1981	5,309,750	x	5.1	27,079.73
1980	6,307,500	x	3.6	22,707.00
1979	5,899,500	x	3.6	21,238.20
1978	6,314,000	x	3.6	22,730.40
1977	5,663,000	x	3.6	20,386.80

The distribution to the reservoirs of the $19,806.87 for 1985, in accordance with contract provisions, is as follows:

Island Park . . . . . 12% = $ 2,376.82
Palisades . . . . . 10% = $ 1,980.69
American Falls. . . . . 78% = $15,449.36

TOTAL = $19,806.87

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The following were in attendance:

Evan Rasmussen	Burley Irrigation District
Lester Saunders	North Side Canal Company
Ross D. Newcomb	Minidoka Irrigation District
Leonard Scheer	Minidoka Irrigation District
John Keys III	Bureau of Reclamation
David Cotten	Bureau of Reclamation
Earl Corless	Bureau of Reclamation
Max Van Den Berg	Bureau of Reclamation

The committee reviewed the computation methods for arriving at the annual power loss, and after these calculations were discussed it was moved and seconded that they be accepted and the data be presented to the Committee of Nine meeting scheduled this date. The motion was approved.

Earl M. Corless

Earl M. Corless
Secretary Pro Tem

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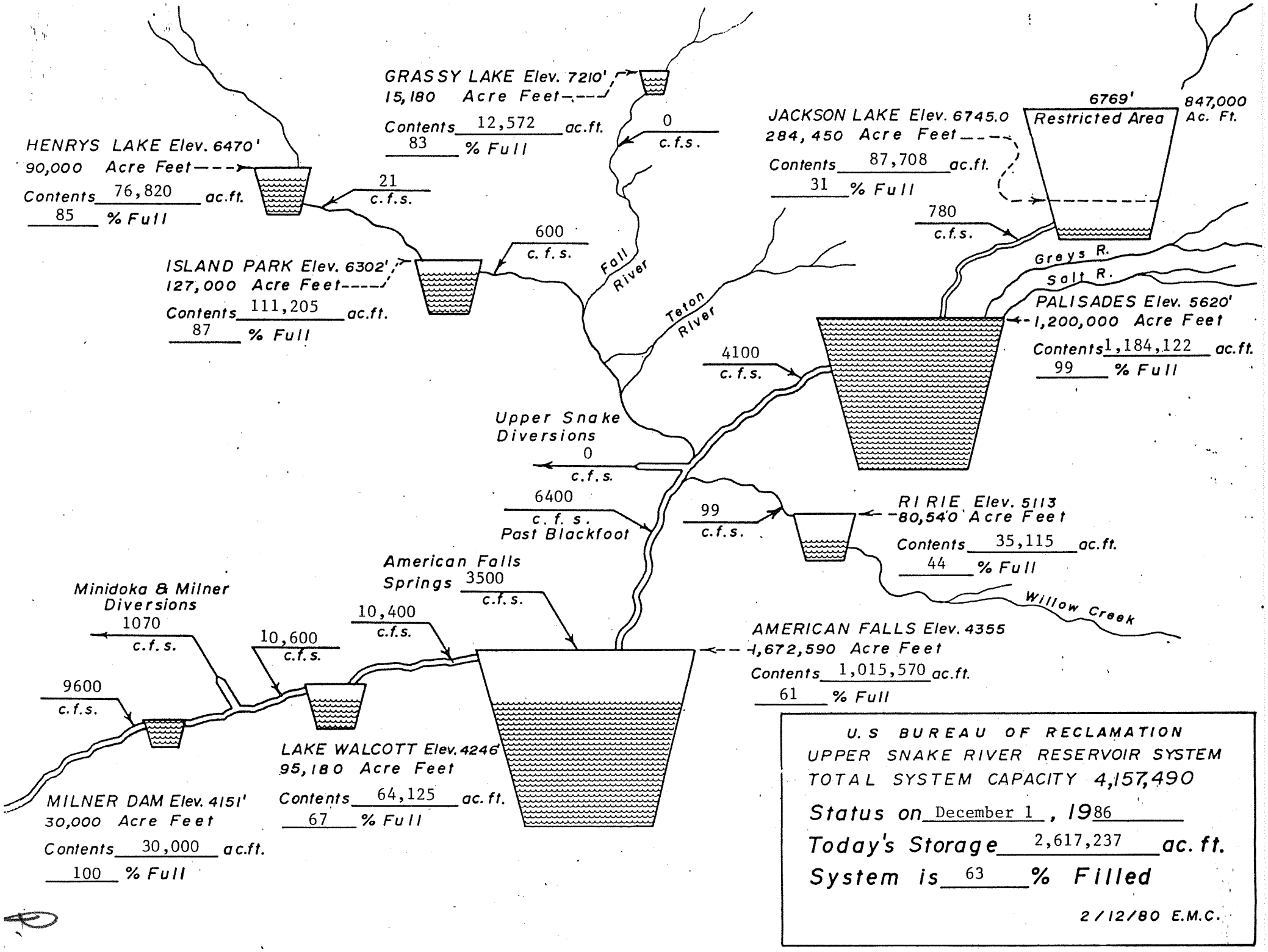

U.S BUREAU OF RECLAMATION
UPPER SNAKE RIVER RESERVOIR SYSTEM
TOTAL SYSTEM CAPACITY 4,157,490

Status on December 1, 1986

Today's Storage 2,617,237 ac. ft.

System is 63 % Filled

2/12/80 E.M.C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
Minidoka Project Office
Burley, Idaho

Statement of Expenditures and Estimates

Minidoka Dam & Headworks

Calendar Years 1986 and 1987

Costs	Estimated 1986	Actual 1986	Estimated 1987
Operation	$ 38,000	$ 47,000	$ 47,000
Maintenance	46,000	23,000	52,000
Gen. & Admin. Expenses. .	31,000	33,000	33,000
SUB-TOTAL	$115,000	$103,000	$132,000
Less: Power Allocation .	-46,000	-50,000	61,000
Less: Fish & Wildlife and Recreation Credit	-8,000	-8,000	11,000
GRAND TOTALS	$ 61,000	$ 45,000	$ 60,000

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UNITED STATES
DEPARTMENT OF THE INTERIOR
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Minidoka Project Office
Burley, Idaho

Statement of Expenditures and Estimates

Jackson Lake Reservoir

Calendar Years 1986 and 1987

Costs	Estimated 1986	Actual 1986	Estimated 1987
Operations.	$ 58,000	$ 55,000	$ 56,000
Maintenance	35,000	39,000	40,000
Gen. & Admin. Expenses. .	52,000	53,000	54,000
SUB-TOTALS.	145,000	147,000	150,000
Flood Allocation Credit .	-44,000	-47,000	-46,000
Recreation Credit/Fish & Wildlife.	-11,000	-12,000	-12,000
GRAND TOTALS.	$90,000	$88,000	$ 92,000

UNITED STATES
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Statement of Expenditures and Estimates

Island Park Reservoir

Calendar Years 1986 and 1987

Costs	Estimated 1986	Actual 1986	Estimated 1987
Operation	$ 17,000	$ 16,000	$ 17,000
Maintenance	14,000	16,000	12,000
Gen. & Admin. Expenses.	9,000	9,000	9,000
SUB-TOTALS.	$ 40,000	$ 41,000	$ 38,000
Flood Allocation Credit	-4,000	-6,000	-5,000
Recreation Credit/Fish & Wildlife.	-3,000	-4,000	-3,000
TOTALS - Island Park.	$ 33,000	$ 31,000	$ 30,000

Grassy Lake Reservoir Feature

Operation	$ 8,000	$ 5,000	$ 7,000
Maintenance	8,000	6,000	7,000
Gen. & Admin. Expenses.	9,000	9,000	9,000
Recreation Credit Fish & Wildlife.	-2,000	-1,000	-1,000
TOTALS - Grassy Lake.	$ 23,000	$ 19,000	$ 22,000
GRAND TOTALS -- Island Park & Grassy Lake	$ 56,000	$ 50,000	$ 52,000

UNITED STATES
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Minidoka Project Office
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Statement of Expenditures and Estimates

Palisades Reservoir

Calendar Years 1986 and 1987

Costs	Estimated 1986	Actual 1986	Estimated 1987
Operation	$ 36,000	$ 36,000	$ 37,000
Maintenance	17,000	13,000	14,000
Gen. & Admin. Expenses. .	37,000	42,000	41,000
Joint Expense Debits (Camp Operations) . . .	11,000	3,000	7,000
TOTALS.	$101,000	$ 94,000	$ 99,000

Total Multipurpose Cost $323,000

Irrigation	29.1% = $ 94,000
Flood Control	29.1% = $ 94,000
Power	33.8% = $109,000
Recreation Fish & Wildlife	8.0% = $ 26,000

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UNITED STATES
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Statement of Expenditures and Estimates

American Falls Reservoir

Calendar Years 1986 and 1987

Costs	Estimated 1986	Actual 1986	Estimated 1987
Operation	$ 77,000	$ 70,000	$ 75,000
Maintenance	77,000	82,000	80,000
Gen. & Adm. Expenses. . .	46,000	47,000	47,000
Shoreline Protection Program	--	--	340,000
SUB-TOTALS	$200,000	$199,000	542,000
Power Credit	-45,000	-38,000	-40,000
Flood Control	-48,000	-55,000	-182,000
Recreation Credit/ Fish & Wildlife	-12,000	-13,000	-43,000
BALANCE	$95,000	$93,000	$ --
Land Purchases - Erosion of Private Land, $.15 Assessment for each acre foot. . . ($.20 for CY 1985)	$255,000	$253,000	$ --
TOTAL	$350,000	$346,000	*$277,000

*Spaceholders in 1987 pay approximately $.12 per acre foot for erosion control program.

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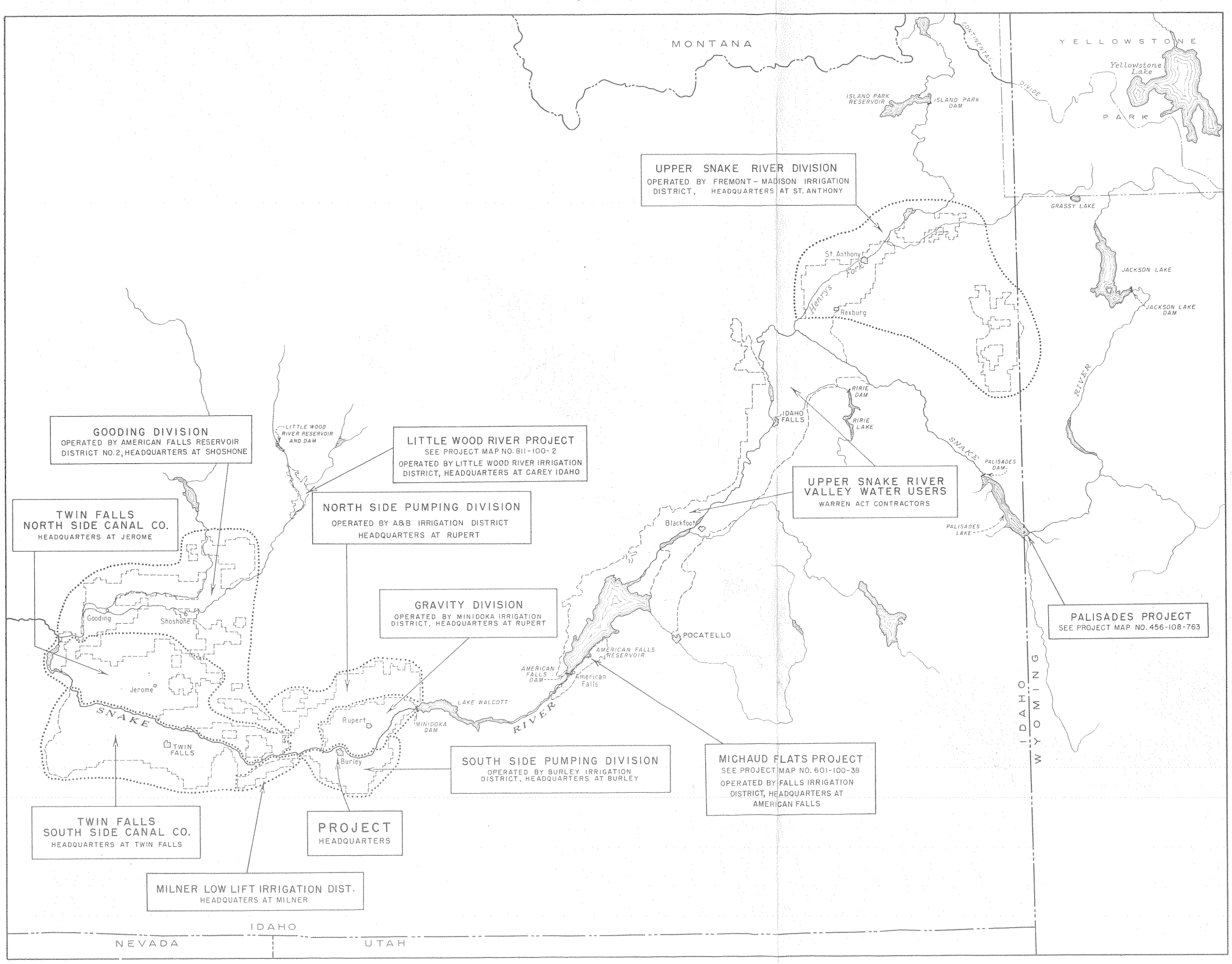

FACTUAL DATA – MINIDOKA PROJECT,

WATER SUPPLY

Water for the Minidoka Project comes primarily from the Snake Rive Neeley which has an area of 13,600 square miles. The average annual ru 1927-77 at Neeley, immediately below the American Falls Dam, is 5,235,

Water supply for Unit B of the North Side Pumping Division come

Reservoirs for the storage of water have a combined capacity of 4,40 a total irrigation storage capacity of 4,064,625 acre-feet. The reservoir capacities in acre-feet are as follows:

	Reservoir	Total Constructed Capacity	Active Storage Capacity	Location
1	Jackson Lake	847,000	847,000	On South Fork of Snake Riv ming
2	Island Park	127,646	127,265	On North (Henry's) Fork of
3	Grassy Lake	15,450	15,180	On Grassy Creek adjacent to Yellowstone National Park
4	Palisades	1,402,000	1,200,000	On South Fork of Snake Riv
5	American Falls	1,700,000	1,700,000	On Snake River near Ameri
6	Lake Walcott	209,980	95,180	On Snake River near Ruper
7	Ririe Reservoir	100,000	80,000	On Willow Creek near Ririe

PROJECT FEATURES

The project features include, for the reservoirs listed above, seven sto powerplants.

The Bureau of Reclamation operates the Minidoka Powerplant Idaho. The powerplant has a capacity of 13,400 kilowatts and furnishes plants, farms, and communities in Cassia and Minidoka Counties. Sup wheeled from Boise and Palisades Projects over Idaho Power Company

The Bureau of Reclamation operates the Palisades Powerplant at I four generators in the powerplant have a total rated capacity of 118,750 ki to serving preference customers in eastern Idaho, this plant furnishes p water pumping on the North Side Pumping Division, the Michaud Fla Plants, the Milner Low Lift Irrigation District; and supplemental p customers served from the Minidoka system.

In 1963, the Bonneville Power administration took over the marketin Minidoka and Palisades plants along with the transmission lines and sul

Pumping plants include Unit A with 240 ft³/s designed capacity to irr Unit A of the North Side Pumping Division, and 177 deep well pumping plants serving 62,274 acres of Unit B. Other pumping plants with their ca Lift, 1,037 ft³/s, Second Lift, 893 ft³/s, and Third Lift, 553 ft³/s, all which Pumping Division and are operated by the Burley Irrigation District.

Canals of major importance are prominent features of the Min majority are operated and maintained by the Irrigation Districts. These i

Minidoka North Side Canal with a designed capacity of 1,700 ft³/s Minidoka Dam to the farm area north of the Snake River in Mi delivers water to the gravity division.

Minidoka South Side Canal, 1,325 ft³/s designed capacity, whic Minidoka Dam to the First Lift Pumping Plant. This canal serves th ing Division which includes canals under the Second Lift and Third I and approximately 5,000 acres of gravity land in Cassia County.

Milner-Gooding Canal, 2,700 ft³/s designed capacity, runs from Mil the North Side Canal Company and the Gooding Division north o Jerome, Lincoln, and Gooding Countries.

Cross Cut Canal runs from the Cross Cut Diversion Dam on the Snake River near Chester, Idaho, to the Teton River, 590 ft³/s capa

The 240 ft³/s Unit A pumping plant, Main Canal, and lateral system wells, laterals, and drains are operated and maintained by the A&B Irriga Idaho.

Tex Creek – Big game winter range and Cartier Slough – Water fow areas for the Ririe and Teton Projects. These areas are managed in coope Fish and Game Department.

IRRIGATION

Natural flow of the Snake River and some of its tributaries, and reservoirs at Jackson Lake, Palisades, Grassy Lake, Island Park, Amer Walcott, are delivered at numerous diversion points to the Fremont District, the Burley Irrigation District, the Minidoka Irrigation District Reservoir District No. 2, the North Side Pumping Division, the Michau Michaud Division of the Fort Hall Indian Reservation, and about 50 War The water delivery at the farm varies widely, depending upon the location for most of the project lands it is about 4 acre-feet of water per acre p

The soil of the irrigable areas of the project is sandy loam, clay volcanic ash. The elevation of the project lands varies from 5,000 feet mately 3,900 feet.

Approximately 1,188,716 acres of irrigable lands receive a full or s supply from project facilities as follows:

- Gravity Division (Minidoka Irrigation District)
- South Side Pumping Division (Burley Irrigation District)
- Gooding Division (American Falls, Reservoir District No. 2)
- Upper Snake River Division (Fremont-Madison Irrigation District)
- North Side Pumping Division (A&B Irrigation District)
- Michaud Division (Fort Hall Indian Reservation)
- Michaud Flats Project (Falls Irrigation District)
- Warren Act Contractors
- Temporary Irrigation Service

Total acres receiving full supply or supplemental water

PRINCIPAL PRODUCTS

The principal products of the project are alfalfa, potatoes, small beets, miscellaneous seeds, sheep, and cattle.

CLIMATE

The project has cold winters and hot dry summers, the temperature of 35 degrees below zero to a high of 106 degrees with an average of 40 irrigation season is about 200 days. The total growing season varies fr depending upon the location within the project. The average annual rain inches at Burley to 46.43 inches at Island Park.

INDEX MAP

MINIDOKA PROJECT

IDAHO

(PACIFIC NORTHWEST REGION)

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF RECLAMATION

MAP No. 17-107-1200

SCALE OF MILES

5 0 5 10 15 20 25

EXPLANATION

BUREAU OF RECLAMATION
COMPLETED AND AUTHORIZED WORKS

- CANAL
- TRANSMISSION LINE
- PUMPING PLANT
- POWER PLANT
- SUBSTATION
- PROJECT HEAD
- AREA BENEFIT PROJECT WO
- SEPARATE PROJECT BY MINIDOKA PR

REVISED FEBRUARY 1983