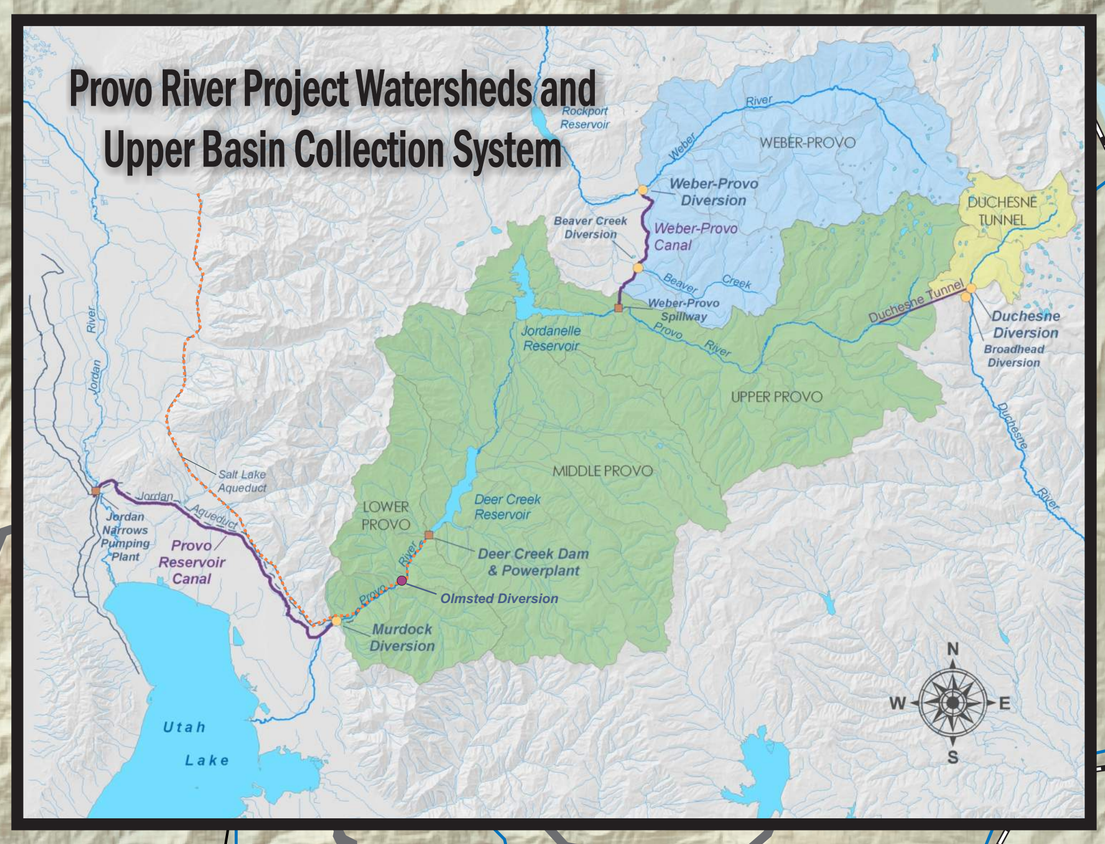

GREAT SALT LAKE

Salt Lake City

Little Dell Dam

DESIGN CAPACITY:
20,500 AC-FT
FACILITIES:
(1) 224-foot High Dam
(2) Outlet Spillway

Jordan Aqueduct Reach No. 3

DESIGN CAPACITY:
120 CFS (78 MGD)
FACILITIES:
(1) 48-inch Pipe

Terminal Reservoir & Sam Park West Reservoirs

DESIGN CAPACITY:
47.8 MG
FACILITIES:
(2) 13.8 MG Concrete Reservoirs
(1) 11.3 MG Concrete Reservoir
(1) 8.9 MG Concrete Reservoir

Salt Lake Aqueduct

DESIGN CAPACITY:
175 CFS (113 MGD)
FACILITIES:
(1) 69-inch Concrete Pipe
(2) Alpine Tunnel
(3) Various Welded Steel Siphons
(4) 42 Miles Total Length
(5) 33 Miles Untreated Water
(6) 9 Miles Treated Water

Jordanelle Reservoir

DESIGN CAPACITY:
360,500 AC-FT
314,006 AC-FT Active Pool
3,026 AC-FT Dead Pool
Normal year yield to MWDSLS is 20,000 AC-FT
FACILITIES:
(1) Dam
(2) Land Around Reservoir
(3) Outlet Works and Spillway
RECREATION USE:
Managed by Utah State Parks & Recreation
OUTLET WORKS CAPACITY:
2,300 CFS
SPILLWAY CAPACITY:
5,510 CFS
Bureau of Reclamation Facility (Central Utah Project)
Operated by Central Utah Water Conservancy District

Park City

Terminal Reservoir

DESIGN CAPACITY:
100 MG
FACILITIES:
2/7 MWDSLS 28.6 MG

Little Cottonwood Water Treatment Plant

DESIGN CAPACITY:
143 MGD

Jordan Aqueduct Reach No. 2

DESIGN CAPACITY:
270 CFS (175 MGD)
FACILITIES:
(1) 78-inch Pipe

15000 South Pipeline

DESIGN CAPACITY:
33 MGD (Gravity)
84 MGD (POMA Sleeve Valves)
50% MWDSLS

Point of the Mountain Aqueduct (Untreated Water)

DESIGN CAPACITY:
151 MGD
FACILITIES:
(1) 84-inch Pipe
(2) 2.5 Miles in Length

Point of the Mountain Aqueduct (Treated Water)

DESIGN CAPACITY:
North to South (Gravity) - 100 MGD
South to North (Pumped) - 80 MGD
FACILITIES:
(1) 60-inch Welded Steel Pipe
(2) 12 Miles in Length

Point of the Mountain Water Treatment Plant

DESIGN CAPACITY:
70 MGD

Deer Creek Dam & Reservoir

DESIGN CAPACITY:
152,564 AC-FT
149,700 AC-FT Active Pool
2,864 AC-FT Dead Pool
49,700 AC-FT Carry Over
100,000 Association Shares
Normal year yield to MWDSLS is 61,900 AC-FT
FACILITIES:
(1) Dam
(2) Land Around Reservoir
(3) Outlet Works and Spillway
(4) Salt Lake Aqueduct Intake
(MWDSLS Facility)
RECREATION USE:
Managed by Utah State Parks & Recreation
OUTLET WORKS CAPACITY:
2 Tube Valves
SPILLWAY CAPACITY:
12,000 CFS
Bureau of Reclamation Facility (Provo River Project)
Operated by Provo River Water Users Association

Jordan Valley Water Treatment Plant

DESIGN CAPACITY:
180 MGD
2/7 MWDSLS 51 MGD

Jordan Aqueduct Reach No. 1

DESIGN CAPACITY:
270 CFS (175 MGD)
FACILITIES:
(1) 78-inch Pipe

Provo River Aqueduct
Jordan Aqueduct Reach No. 4

DESIGN CAPACITY:
270 CFS (175 MGD)
FACILITIES:
(1) 72-inch & 66-inch Welded Steel Pipe

Deer Creek Powerhouse

DESIGN CAPACITY:
5 MW
FACILITIES:
(1) 2-2,475 kW Generators

Utah Lake Pump Station

DESIGN CAPACITY:
769 CFS Total
135 CFS MWDSLS (17.6%)
FACILITIES:
(1) 4 Vertical Propeller Pumps
@ 200 CFS Each
(2) 1400 HP Total

Murdock Diversion

DESIGN CAPACITY:
550 CFS
FACILITIES:
(1) Diversion Dam

Provo River Aqueduct

DESIGN CAPACITY:
626 CFS Maximum
187 CFS MWDSLS
FACILITIES:
(1) 21.5 miles of 126-inch and
120-inch diameter
welded steel pipe

MWDSLS SERVICE AREA

Facilities

1. DEER CREEK DAM
2. MURDOCK DIVERSION
3. OLMSTED TUNNEL & SIPHON
4. POINT OF THE MOUNTAIN AQUEDUCT UNTREATED WATER INTAKE
5. JORDAN NARROWS INTAKE & SIPHON
6. JORDAN NARROWS TURBINE & PUMPING PLANT
7. ALPINE DRAPER TUNNEL (Salt Lake Aqueduct)
8. MURRAY POWER PLANT INTAKE
9. LITTLE COTTONWOOD & BELL CANYON CREEK INTAKE
10. LITTLE COTTONWOOD WATER TREATMENT PLANT
11. 10 MG RESERVOIR
12. TERMINAL RESERVOIR
13. POINT OF THE MOUNTAIN WATER TREATMENT PLANT
14. OLMSTED DIVERSION
15. JORDAN VALLEY WATER TREATMENT PLANT
16. 100 MG TERMINAL RESERVOIR
17. LITTLE DELL RESERVOIR
18. UTAH LAKE PUMP STATION

SYSTEM FACILITIES

Metropolitan Water District
of Salt Lake & Sandy

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