

Your watershed

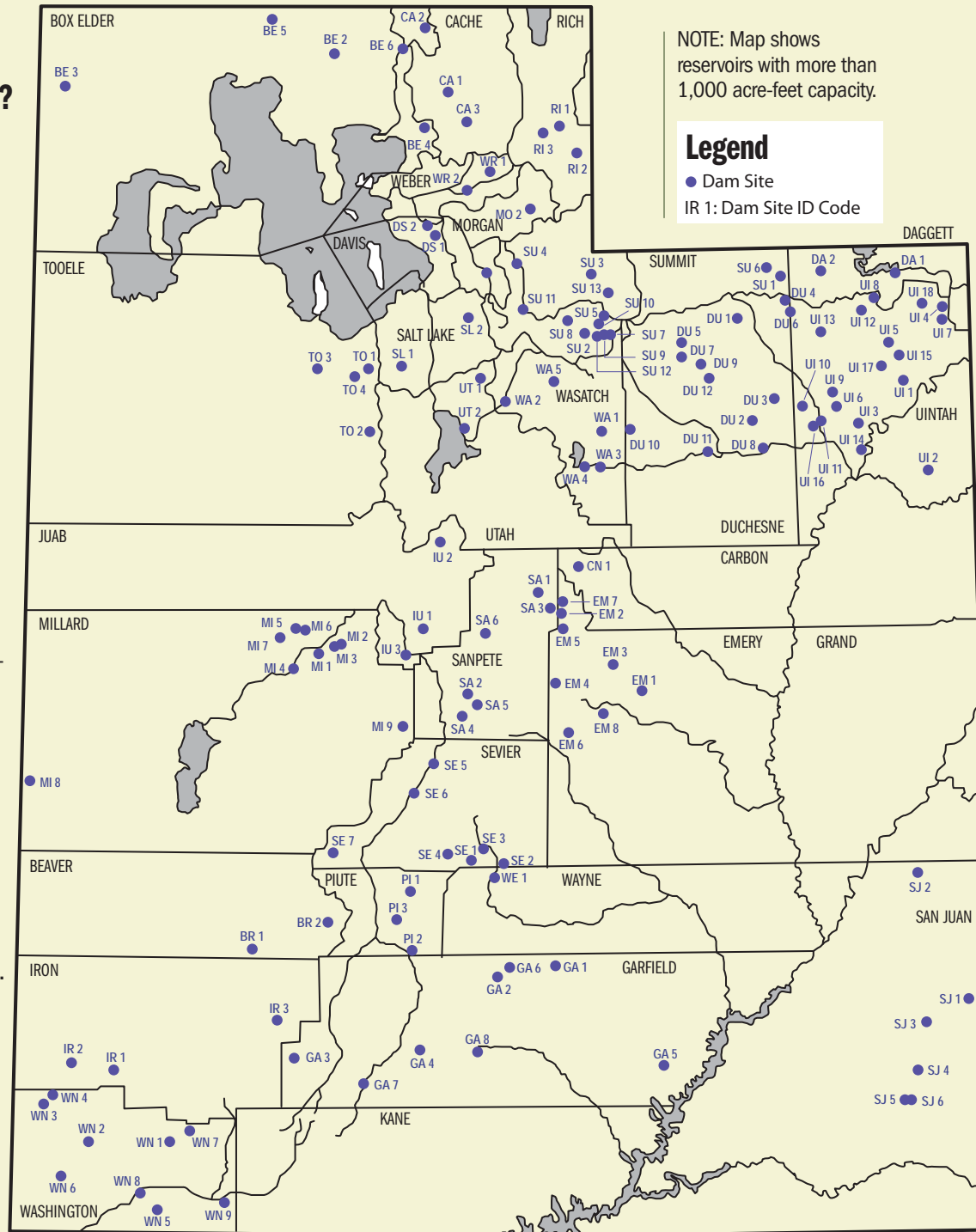
"When the well is dry, we learn the worth of water."

— BEN FRANKLIN, statesman

Why are healthy watersheds important? How does a healthy watershed affect your quality of life? What does a watershed provide?

Water storage reservoirs in Utah

One acre-foot is enough water to cover one acre, a football field, with one foot of water. One acre-foot of water is 325,851 gallons.



Water storage reservoirs in Utah

CAPACITY IN ACRE-FEET

BEAVER COUNTY
BR 1 Rocky Ford (21,000)
BR 2 Three Creeks (24,000)

BOX ELDER COUNTY
BE 1 Willard Bay (215,000)
BE 2 Blue Creek (2,185)
BE 3 Etna (1,471)
BE 4 Mantua (7,560)
BE 5 Sandarosa (3,750)
BE 6 Cutler (26,5480)

CACHE COUNTY
CA 1 Hyrum (18,800)
CA 2 Newton (5,620)
CA 3 Porcupine (12,800)

CARBON COUNTY
CN 1 Scofield (73,600)

DAGGETT COUNTY
DA 1 Flaming Gorge (3,789,000)
DA 2 Long Park (13,700)

DAVIS COUNTY
DS 1 Adams (1,030)
DS 2 Hobbs (1,162)

DUCHESNE COUNTY
DU 1 Atwood Lake (3,600)
DU 2 Big Sand Wash (12,050)
DU 3 Brown's Draw (6,750)
DU 4 Chepeta Lake (2,812)
DU 5 Clement Lake (1,627)
DU 6 Cliff Lake (1,086)
DU 7 Kidney Lake (3,725)
DU 8 Midview (5,800)
DU 9 Moon Lake (49,500)
DU 10 Red Creek (5,700)
DU 11 Starvation (167,500)
DU 12 Twin Pots (4,050)

EMERY COUNTY
EM 1 Buckhorn (2,002)
EM 2 Cleveland (5,340)
EM 3 Huntington North (5,420)
EM 4 Joes Valley (62,500)
EM 5 Miller Flat (5,560)
EM 6 Millsite (18,000)
EM 7 Electric Lake (31,500)
EM 8 Hunter (2,000)

GARFIELD COUNTY
GA 1 Bown's (Lower 3,500)
GA 2 Jacob's Valley (1,967)
GA 3 Pangutch Lake (23,730)
GA 4 Pine Lake (1,000)
GA 5 Shooting Canyon (1,000)
GA 6 Spectacle Lake (1,348)
GA 7 Tropic (1,850)
GA 8 Wide Hollow (2,324)

GRAND COUNTY
No reservoirs larger than 1,000 acre feet

IRON COUNTY
IR 1 Newcastle (5,290)
IR 2 Ranchers Exploration (1,470)
IR 3 Red Creek (1,360)

JUAB COUNTY
JU 1 Juab Lake (2,000)
JU 2 Mona (19,190)
JU 3 Sevier Bridge (236,145)

KANE COUNTY
No reservoirs larger than 1,000 acre-feet

MILLARD COUNTY
MI 1 DMAD (7,500)
MI 2 Fool Creek No. 1 (17,781)
MI 3 Fool Creek No. 2 (5,217)
MI 4 Gunnison Bend (5,000)
MI 5 Intermountain Power Bottom Ash Basins (3,000)
MI 6 Intermountain Power Evaporation Ponds (3,225)
MI 7 Intermountain Power Storage Basin (1,800)
MI 8 Pruess (11,803)
MI 9 Scipio Lake (10,400)

MORGAN COUNTY
MO 1 East Canyon (51,200)
MO 2 Lost Creek (22,500)

PIUTE COUNTY
PI 1 Beaver Creek (Upper, 1,401)
PI 2 Otter Creek (52,662)
PI 3 Piute (71,826)

RICH COUNTY
RI 1 Birch Creek No. 2 (2,256)
RI 2 Deseret (Neponset, 6,216)
RI 3 Woodruff Creek (4,350)

SALT LAKE COUNTY
SL 1 Kennecott Bingham Creek (1,560)
SL 2 Mountain Dell (3,086)

SAN JUAN COUNTY
SJ 1 Iron Springs (1,200)
SJ 2 Ken's Lake (2,820)
SJ 3 Lloyds Lake (Monticello, 3,500)
SJ 4 Recapture Creek (9,319)
SJ 5 White Mesa Tailings (No. 2, 1,100)
SJ 6 White Mesa Tailings (No. 3, 1,400)

SANPETE COUNTY
SA 1 Fairview Lake (1,949)
SA 2 Gunnison (18,218)
SA 3 Huntington (2,625)
SA 4 Ninemile (3,500)
SA 5 Palisades Lake (1,050)
SA 6 Wales (1,450)

SEVIER COUNTY
SE 1 Fishlake Diversion (3,910)
SE 2 Forsythe (3,640)
SE 3 Johnson (10,350)
SE 4 Koosharem (3,858)
SE 5 Redmond (1,080)
SE 6 Rocky Ford (1,700)
SE 7 Three Creeks (1,000)

WAYNE COUNTY
WE 1 Mill Meadow (5,232)

WEBER COUNTY
WR 1 Causey (7,870)
WR 2 Pineview (110,000)

SUMMIT COUNTY
SU 1 Beaver Meadow (2,461)
SU 2 Big Elk Lake (1,006)
SU 3 Boyer Lake (1,200)
SU 4 Echo (73,900)
SU 5 Fish Lake (1,142)
SU 6 Hoop Lake (3,925)
SU 7 Lost Lake (1,000)
SU 8 Smith & Morehouse (7,900)
SU 9 Trial Lake (2,450)
SU 10 Wall Lake (3,140)
SU 11 Wanship (62,100)
SU 12 Washington Lake (3,309)
SU 13 Whitney (4,700)

TOOELE COUNTY
TO 1 Anaconda (3,919)
TO 2 Barrick Mercur Tailings Pond (6,626)
TO 3 Grantsville (3,370)
TO 4 Settlement Canyon (1,168)

UINTAH COUNTY
UI 1 Ashley Valley Wastewater (2,350)
UI 2 Bonanza Power North Evaporation Pond (1,473)
UI 3 Brough (4,000)
UI 4 Calder (Zelph, 2,254)
UI 5 Chevron Chemical No. 2 (2,100)
UI 6 Cottonwood (6,126)
UI 7 Crouse (1,086)
UI 8 East Park (2,650)
UI 9 Lapoint (1,700)
UI 10 Montes Creek (1,220)
UI 11 North Bottle Hollow (11,100)
UI 12 Oaks Park (6,249)
UI 13 Paradise Park (3,135)
UI 14 Pelican Lake (11,850)
UI 15 Red Fleet (26,170)
UI 16 South Bottle Hollow (11,100)
UI 17 Steinaker (38,100)
UI 18 Warner (Matt, 2,214)

UTAH COUNTY
UT 1 North Utah County (Silver Lake Flat, 1,040)
UT 2 U.S. Steel Corp. (2,775)

WASATCH COUNTY
WA 1 Currant Creek (15,670)
WA 2 Deer Creek (152,500)
WA 3 Soldier Creek (1,107,000)
WA 4 Strawberry Reservoir (1,106,500)
WA 5 Witt Lake (1,226)

WASHINGTON COUNTY
WN 1 Ash Creek (6,625)
WN 2 Baker (1,160)
WN 3 Enterprise (Lower, 1,672)
WN 4 Enterprise (Upper, 9,850)
WN 5 Frog Hollow (1,450)
WN 6 Gunlock (10,884)
WN 7 Kolob Creek (5,586)
WN 8 Quail Creek (40,325)
WN 9 South Creek (1,580)



1. What watershed do you live in?

- ___ Bear River
- ___ Beaver River
- ___ Great Salt Lake
- ___ Jordan River
- ___ Lower Colorado
- ___ Sevier River
- ___ Southeast Colorado River
- ___ Uinta Basin
- ___ Weber River
- ___ West Colorado River

2. Compare the Utah watershed satellite map with a map of Utah and identify the national forest in your watershed.

3. Compare the Utah Watershed satellite map with a map of Utah and identify the major rivers in your watershed.

4. Use the maps to identify the reservoirs in your drainage basin.

For a closer view of your watershed, visit <http://www.waterquality.utah.gov/watersheds/state.htm>

ACTIVITY

Surf your watershed



Mapping your watershed: Find your watershed with this EPA (Environmental Protection Agency) interactive map. Once you have found your watershed, you will be able to find citizen-based groups that are active in your watershed and learn more about your drinking water and the state's water quality. cfpub.epa.gov/surf/locate/index.cfm

Explore your local watershed by visiting the "Science in Your Watershed" Web site. water.usgs.gov/wsc/watersheds.html

Test your knowledge about watersheds by playing the "Watershed Game." www.bellmuseum.org/distancelearning/watershed/watershed2.html



ACTIVITY

1. How many reservoirs are in your county?
2. What is the total capacity of the reservoirs in your county?
3. Which reservoir is the largest in the state?
4. Which county has the most reservoirs?
5. Which county has the most water storage capacity?
6. Why do you think there are more reservoirs in northern Utah than the rest of the state?

To view a precipitation map of Utah, visit this Web site www.nationalatlas.gov/printable.html