

1. Hydrologic drought

Hydrologic Drought



Big Sandy River near Farson September 5, 2002, 4.59 ft³/sec (mean = 28.3).
(J. Wheeler, [USGS](#).)

In the public domain.

2. Hydrologic drought

Hydrologic Drought



The Republican River in Hitchcock County is completely dry on July 25th.

In the public domain.

3.

Agricultural drought

Agricultural Drought



Source: National Drought Mitigation Center
Drought damaged crops in Clinton County in August. (Photo taken by Missouri Dept. of Agriculture and provided by Pat Guinan, Climatologist, University of Missouri)

In the public domain.

4.

Agricultural drought

Agricultural Drought

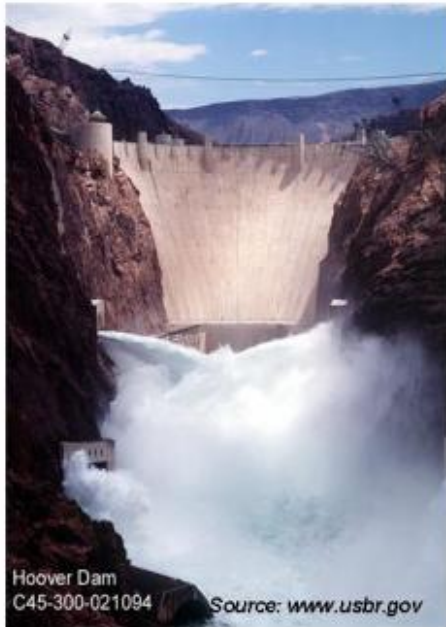


Source: National Drought Mitigation Center
Photo courtesy of University of Missouri Extension
Taken July 19th in Shelby County in northeastern Missouri.

In the public domain.

5. Dam construction for irrigation – Hoover Dam

Dam construction for irrigation – Hoover Dam



In the public domain.

6. Surface irrigation

Surface Irrigation



Siphon tubes used for furrow irrigation on Romaine lettuce, Yuma, Az.



Surface irrigation system using siphon tubes , Idaho



Level basin irrigation on newly planted citrus trees. Yuma, Az.



Level basin flood irrigation on wheat. Yuma, Az.

In the public domain.

7. Surface irrigation

Surface Irrigation



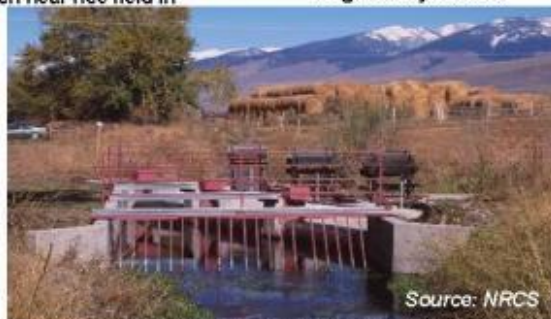
Tail water recovery ditch near rice field in Northern CA

Source: NRCS



Diversion structure is part of a well planned irrigation system. ID

Source: NRCS



Ranchers in the Salmon Model Watershed placing in-stream fish screens in canals to prevent fish from entering water used for irrigation in the public domain.

Source: NRCS

8. Surface irrigation

Surface Irrigation



Gated pipe irrigation system, Idaho

Source: NRCS



Gated pipe irrigation on mountain meadows, Fremont County, Wyoming. In the public domain.

Source: NRCS

9. Sprinkler irrigation

Sprinkler Irrigation



Side wheel row sprinkler in an alfalfa field near Santaquin, UT.



Wheel line sprinkler irrigation Wallowa, Oregon



Mainline for handline sprinkler irrigation, Yuma, Az.



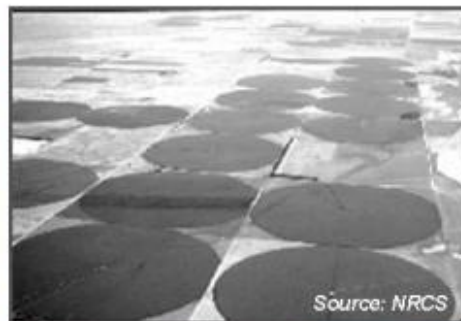
Handline sprinkler irrigation germinating crops, Yuma, AZ. In the public domain.

10. Center pivot irrigation

Center Pivot Irrigation



Over 100 center-pivot sprinklers, controlled by a central computer, irrigate wheat, alfalfa, potatoes, & melons along Columbia River near Hermiston, OR.



In the public domain.

11. Center pivot irrigation

Center Pivot Irrigation



Center pivot irrigation in Jefferson County, Idaho



Center pivot irrigation on wheat growing in Yuma County, Colorado. In the public domain.

12. Traveling irrigator

Traveling Irrigator



A Traveling Irrigator operates on a small pasture in Espanola, New Mexico

In the public domain.

13. Drip irrigation

Drip Irrigation



Drip irrigation delivers small amounts of water to young grape vines in California's Imperial Valley



Drip irrigation emitter. Rio Arriba County, New Mexico



Drip irrigation used on vineyards in Rio Arriba County, New Mexico

In the public domain.

14. References

References

- Bureau of Reclamation, US Department of the Interior
www.usbr.gov
- Natural Resource Conservation Service (NRCS) – Photogallery
<http://photogallery.nrcs.usda.gov/>
- National Drought Mitigation Center, University of Nebraska –Lincoln
<http://www.drought.unl.edu/>
- University of Missouri Extension
<http://extension.missouri.edu/>

In the public domain.