

High Mountain Dams in Upalco Unit,  
White Miller Lake Dam  
Ashley National Forest  
6.9 miles north of Swift Creek Campground  
Mountain Home Vicinity  
Duchesne County  
Utah

HAER No. UT-42-O

HAER  
UTAH,  
7-MOHD.V,  
1-0-

PHOTOGRAPHS

WRITTEN HISTORIC AND DESCRIPTIVE DATA

Historic American Engineering Record  
Rocky Mountain Regional Office  
National Park Service  
U.S. Department of the Interior  
P.O. Box 25287  
Denver, Colorado 80537

HISTORIC AMERICAN ENGINEERING RECORD

HAER  
UTAH,  
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High Mountain Dams in Upalco Unit, White Miller Lake Dam

HAER No. UT-42-O

Location: 6.9 miles north of Swift Creek Campground, Ashley National Forest,  
Mountain Home vicinity, Duchesne County, Utah

UTM: 12.553130.4503960  
Quad: Mount Emmons

Date of Construction: c. 1926

Builder/Designer: Farmers Irrigation Company

Present Owner: Moon Lake Water Users Association, Roosevelt, Utah 84066

Original Use: Dam

Present Use: Dam

Significance: White Miller Lake is one of several natural high mountain lakes dammed  
by the Farmers Irrigation Company in the 1920s and 1930s to store water for  
irrigation. The dam is a representative example of small scale,  
unsophisticated construction in the Upalco Unit of the Central Utah  
Project.

Inventoried by: Clayton Fraser and James Jurale  
Fraserdesign  
Loveland, Colorado

October 19, 1985

### HISTORICAL INFORMATION

On September 4, 1926, the National Forest Service issued a special use permit to the Farmers Irrigation Company for "constructing and maintaining a dam and storing water for irrigation purposes" on White Miller Lake in the Swift Creek drainage. A small -- approximately 10 acres -- shallow lake, White Miller receives flow from Farmers Lake and drains in Deer Lake, two other Farmers Irrigation Company reservoirs. The 105-foot dam built across the natural outlet on the south point of the lake was a rudimentary structure consisting of stacked fieldstones and sod, with a cribbed log outlet weir. Only three feet high, the dam is the least substantial among those in the Upalco Unit. In 1959, it was abandoned. Today, dam and outlet are deteriorated and overgrown. The lake's size has been reduced by encroachment from the peat meadow which surrounds it. It is proposed that the original outlet works be removed and the lake returned to its natural level.

### ARCHITECTURAL INFORMATION

Dam length: 105 feet  
Dam height: 30 feet  
Dam width: 2 feet  
Construct: Stacked fieldstone rockfill dam  
Lake size: 10.0 acres; 77 acre-foot maximum capacity; 1.7 vertical foot maximum drawdown  
Outlet: 18" concrete box culvert with gate; concrete spillway

### BIOGRAPHICAL INFORMATION

"Preliminary Engineering Report: Stabilization of High Mountain Lakes, Upalco Unit, National Forest Service Report, 1968, n.p.

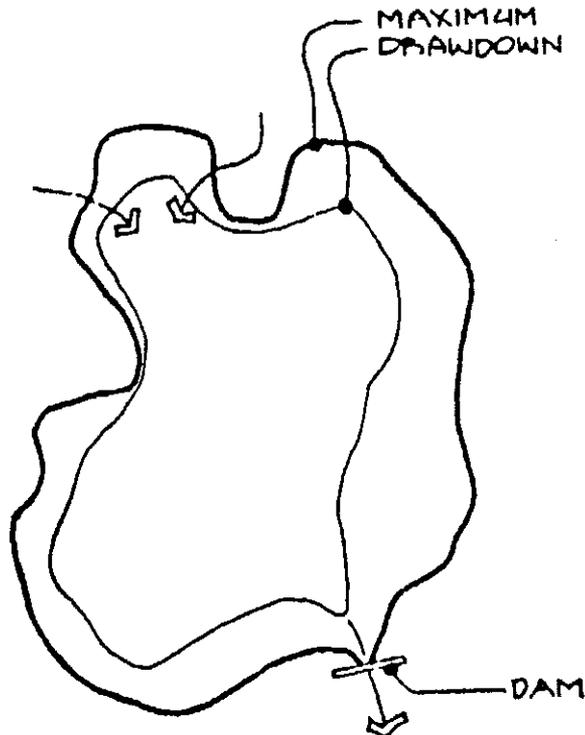
William F. Gettleman, "Report on the Lakes and Reservoir of the Headwaters of the Uintah, Whiterocks and Lakefork Rivers, Uintah Project, Utah: Feb. 1932," page 23.

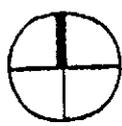
White Miller Lake Reservoir File #516316-M, Roosevelt District Ranger Office, Ashley National Forest, Roosevelt, Utah

Field inspection by Robert Righter, July 31, 1985.

For additional information, see Irrigation Canals in the Uinta Basin, HAER No. UT-30.

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 SCALE : 1" = 400'