

NAME WACA LAKE COUNTY EL DORADO
 TRIBUTARY TO PYRAMID CREEK Twp. 12N R. 17E Sec. 30
 OTHER NAMES Waco Lake RIVER SYSTEM AMERICAN
 SOURCES OF DATA _____

EXTENT OF OBSERVATION
 Include Name of Surveyor, Date, Etc.
 LOCATION
 RELATION TO OTHER WATERS
 GENERAL DESCRIPTION
 Watershed
 Immediate Drainage Basin
 Altitude
 Area
 Volume
 Shape
 Shore and Immediate Terrain
 Bottom
 Depth
 Fluctuation
 Aquatic Plants
 Food
 Winter Conditions
 Pollution
 Temperatures
 Inlets
 Outlets
 Spawning
 FISHES PRESENT AND SUCCESS
 OTHER VERTEBRATES
 FISHING INTENSITY (Shore, Boats)
 OTHER RECREATIONAL USE
 ACCESSIBILITY
 OWNERSHIP
 POSTED OR OPEN
 IMPROVEMENTS
 PAST STOCKING
 GENERAL ESTIMATE
 RECOMMENDED MANAGEMENT
 SKETCH MAP
 REFERENCES AND MAPS

NAME OF DAM
 OWNERSHIP
 DATE OF CONSTRUCTION
 TYPE OF DAM
 HEIGHT OF DAM
 SPILLWAY (Type, Size, Discharge)
 OTHER OUTLETS (Type, Size, Etc.)
 FISHWAY
 SCREENS
 USE OF WATER

EXTENT OF OBSERVATION:

One-half hour spent here on August 24, 1951. Only southeastern shore traversed. Surveyed by California Dept. of Fish and Game personnel, C. K. Fisher, Ass't. Fisheries Biologist.

LOCATION AND RELATIONSHIP TO OTHER WATERS:

No lakes above, four lakes below. Lies 1 mile northeast of Pyramid Peak and 3-1/2 miles west of Upper Echo Lake.

GENERAL DESCRIPTION:**Watershed and Immediate Drainage Basin:**

Lies in a glacial pocket scooped out of granite bedrock right at timberline. Surrounding slopes sparsely dotted with lodgepole and western white pine and hemlock.

Altitude:

8,400 feet (estimated from U.S.G.S. Pyramid Peak Quadrangle).

Area:

5.2 acres (by planimeter)

Shore and Immediate Terrain:

Predominantly granite bedrock with short scattered patches of turf, Carex Sp. and occasional boulders.

Bottom:

Predominantly bedrock and sand, with scattered boulders, all overlain with a light coating of silt.

Depth:

20' - 25' maximum (estimated)

Aquatic Plants:

Scattered patches of Carex sp. along shore; some bur-reed.

Food:

Appears fair; caddis fly larvae common.

| <u>Temperatures:</u> | <u>Water</u> | <u>Air</u> | <u>Time</u> | <u>Weather</u> |
|----------------------|--------------|------------|-------------|---------------------------------|
| Surface at shore | - | - | - | - |
| Head of outlet | 69° | 63° | 3:45 PM | Clear, with clouds to the west. |

Inlet:

None flowing this date; only snow melt channels.

Outlet:

Dry this date. Snow run-off does not carry through the summer.

Spawning Areas:

None, unless in lake itself.

FISHES & SUCCESS:

Species:Size:Abundance:Condition:Remarks:

None seen, however, EB are planted in lake.

FISHING INTENSITY:

Believed light to medium. Off of main trail, however, quite easily accessible in a popular region.

ACCESSIBILITY:

A 1-3/4 hour, 5 mile trip from Upper Echo Lake. Blazed trail extends as far as American Lake, about 1/2 mile to the east.

IMPROVEMENTS:

It would be possible to raise the lake level about 6 feet by the erection of a 20' x 6' dam on the outlet. Storage would be thereby created for downstream release. This would benefit about 1/2 mile of stream down to Pyramid Lake, which is now dry, and would supplement the flow from Pyramid Lake down to Ropi Lake, also a distance of about 1/2 mile.

PAST STOCKING:

Records prior to 1948 missing. Planted with 1000 EB in 1950.

GENERAL ESTIMATE:

A typical high altitude lake in a relatively barren drainage basin. Very little terrestrial vegetation to supply terrestrial food. Periodic stocking believed necessary to sustain trout population.

RECOMMENDED MANAGEMENT:

Continued biennial planting of EB.

REFERENCES & MAPS:

U.S.F.S. El Dorado Forest, 1949 (shown and labelled as "Waco" Lake.

U.S.F.S. Fallen Leaf Quadrangle, 1945, based on 1940 aerial surveys (shown and labelled)

Aerial Photos:

CNL 22-92

CNL 22-91

C. K. Fisher

C. K. Fisher
Ass't. Fisheries Biologist
Biological Survey



Waca Lake, El Dorado County
(Looking Northwest)
Photo by C. K. Fisher, August 24, 1951