

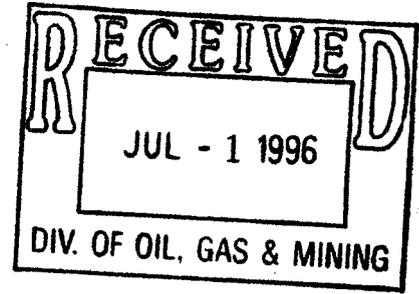


State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF WILDLIFE RESOURCES

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
Robert G. Valentine  
Division Director

Southeastern Region  
455 West Railroad Avenue  
Price, Utah 84501-2829  
801-637-3310  
801-637-7361 (Fax)

ACT 1007/005  
FILE FOLDER #5  
AND NOW FILE #  
C95-39-01-01  
#2



June 19, 1996

Dave Darby  
Division of Oil Gas and Mining  
451 East 400 North  
Price, Utah 84501

Here is the final report on the fish transfer to Eccles and Mud Creeks. If you need more information, call Marv or I at the Price office.

Sincerely yours,

Kevin Christopherson  
Regional Aquatic Manager

enclosure

mb/KC



PROJECT COMPLETION REPORT

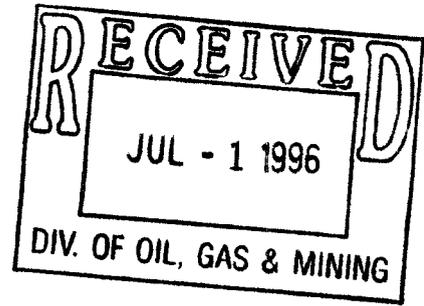
**Water:** Eccles and Mud Creek

**Location:** Carbon County

**Date:** 17 June 1996

**Authors:** Marvin Boyer, Regional Fisheries Biologist  
Kevin Christopherson, Regional Fisheries Manager

**Subject:** Relocation of Electric Lake cutthroat trout to Eccles and Mud Creek. D:\DATA\WPDOCS\ELECTRIC\96ECCLES.REP

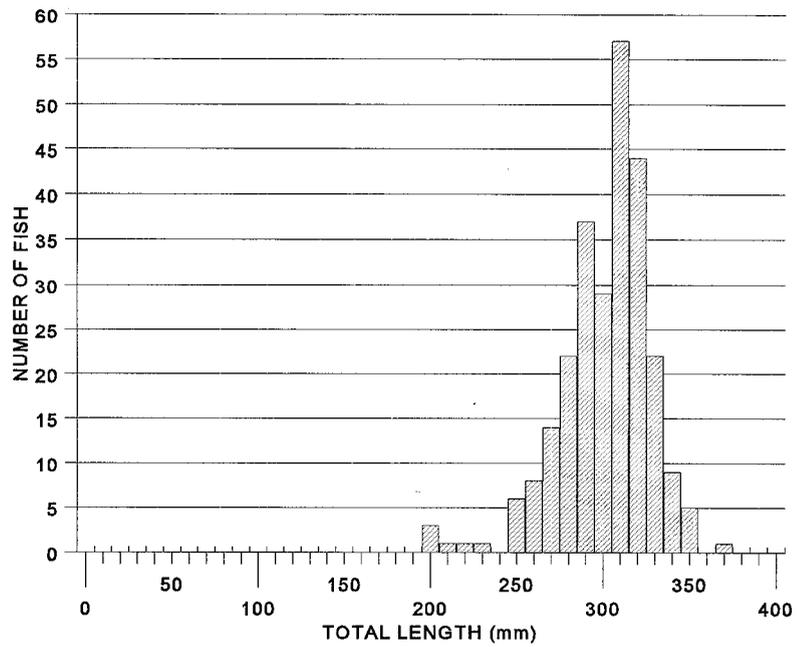


Efforts to mitigate the fish kill at Eccles and Mud Creek were completed on 6/5/96. The fish kill was caused by an emulsifier accidentally released from the Skyline Mine into Eccles Creek. The estimated number of adult cutthroat trout killed in Eccles and Mud Creek were 176 and 609, respectively. Details of the spill and resulting fish kill can be found in the UDWR report by Cavalli and Christopherson (September 1995).

Three trap nets were set in Electric Lake on 6/3/96 and fish were collected from the traps on 6/4/96 and 6/5/96. Approximately 1020 cutthroat trout were collected from the trap nets of which, 717 were selected to be released into Eccles and Mud Creek. Due to fisheries management objectives for Electric Lake, the ripe adult females that had not yet spawned were not selected for relocation. The trout were held in cages at Electric Lake and moved with a Division of Wildlife Hatchery truck. The average length, weight, and condition factor of a sub-sample of the trout relocated to Eccles and Mud Creek was 302 mm, 286 g, and 0.91, respectively. A length frequency histogram of the sub-sample is shown on Figure 1. Most (90.2%) of the cutthroat trout were released into Mud Creek from the town of Scofield to the confluence of Mud and Eccles Creek, where most of the dead trout were observed. In addition to the adult fish relocated to the site, Fountain Green Hatchery will stock 20,000 two inch cutthroat trout fry in the fall.

A total of 48 man-hours were used on the capture and transfer of the cutthroat trout and 6 man-hours were used in data entry, analysis, and report writing. Total man-hours used for the mitigation process was 54. Division of Wildlife vehicles accumulated 584 miles while working on the project.

ELECTRIC LAKE CUTTHROAT TROUT  
1996 TRAP NETS



**Figure 1.** Length frequency histogram of cutthroat trout released into Eccles and Mud Creek on 6/5/96.