

NATIONAL GEODETIC VERTICAL DATUM OF 1929

111°36′15″

Ground control by Glen Canyon Environmental Studies Survey Department

Aerial photography of 5 May 1993, Approximate scale 1:4,800

Water level at approximately 226 m³/s.

Compiled by Photogrammetry Section, Branch of Astrogeology, Flagstaff, Arizona

photograph taken 1921. Several of the mapped units are shown with labels; line across river is

cableway. From Emery Kolb Collection (accession no. 568-4600), Special Collections Library,

Northern Arizona University, Flagstaff.

Several of the mapped units are shown where they occur at the north boundary of map area.

From Emery Kolb Collection (accession no. 568-1383), Special Collections Library, Northern

Arizona University, Flagstaff.

INTERIOR—GEOLOGICAL SURVEY, RESTON, VA—200

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Available on World Wide Web at http://geopubs.wr.usgs.gov/data.html

Buildings and other structures

Unit b of older debris-flow deposits (before 770-400? B.C. to 660)—Gravel consisting mainly of angular

to subangular cobbles to medium-size boulders of sandstone of Glen Canyon Group and cobbles of sili-

saltcedar trees in dense groves partly buried in alluvium are typical; part of unit

post-dates 1935 on basis of ring counts from tree rooted beneath terrace on south

side of river upstream of gaging station. Driftwood on terrace contains abundant

intermediate terrace (unit it) between present parking area and boat-launch ramp

(Turner and Karpiscak, 1980, plates. 32A, 33A); at that time terrace was densely

covered with rabbitbrush and fresh-appearing driftwood. Intermediate terrace is