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OPEN-FILE REPORT
95-832
PLATE 1 OF 2
Pamphlet accompanies map

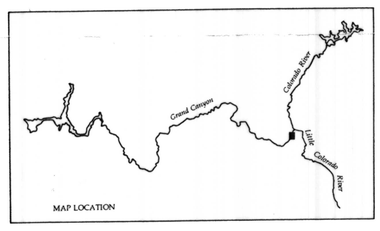
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

CONTROL POINT DATA

Control Point	Latitude	Longitude	Northing	Easting	Elevation (meters)
Banner 5-22	36°08'30.45030"	111°48'55.38418"	570249.325	222474.689	826.907
Banner 5-26	36°07'45.13367"	111°49'12.68663"	568852.246	222043.548	820.280
1	36°08'28.96553"	111°49'04.13251"	570203.340	222256.044	913.495
2	36°08'21.26664"	111°48'50.71154"	569966.411	222591.795	839.205
3	36°08'19.40170"	111°48'45.12351"	569909.083	222731.551	889.204
4	36°08'03.88147"	111°49'11.77017"	569430.068	222065.886	904.770
5	36°07'41.78847"	111°49'01.44870"	568749.432	222324.625	884.327
6	36°07'31.16499"	111°49'26.69796"	568421.397	221693.646	912.120
7	36°07'21.57797"	111°49'02.16209"	568126.535	222307.425	991.667
8	36°07'13.71447"	111°49'35.43120"	567883.375	221475.785	864.725
9	36°06'46.63574"	111°49'51.06117"	567048.469	221085.697	945.456
10	36°06'45.07114"	111°49'20.33498"	567000.961	221854.120	887.814
11	36°06'33.95953"	111°49'43.52479"	566657.964	221274.514	903.309

Northing and Easting computations are NAD 1983, Arizona State Plane Coordinate System, Central Zone.

Latitude, longitude, and elevation values for this map are based on the Banner survey of 1991. This survey is believed to be in error, and the data may have to be adjusted to corrected values when they become available.



QUATERNARY GEOLOGY OF THE PALISADES CREEK-COMANCHE CREEK AREA, EASTERN GRAND CANYON, ARIZONA

PLATE 1: Geologic Map

By

Ivo Lucchitta, Carol M. Dehler, Marie E. Davis, Kelly J. Burke, and Peggy O. Basdekas

1995

Contour Interval 5 meters
with 2.5 meter supplemental contours (screened)

Scale 1:5000

100 50 0 100 200 300 400 500 METERS
0 5 KILOMETERS

TRUE NORTH
13°
MAGNETIC NORTH

Compiled from Bureau of Reclamation aerial photographs taken October 7, 1989, scale 1:4,600, discharge 5,000 cfs.

Ground control 1991 by:
Ivo Lucchitta, party chief, photogeologist, USGS
Joseph A. Mihalko, geodesist, NPS
Brenda Mihalko, geodesist, NPS

Photogrammetry:
Compiled on the AS11-B1 analytical stereoplotter by the Photogrammetry Section of the Branch of Astrogeology, U.S. Geological Survey, Flagstaff, Arizona 1991.