

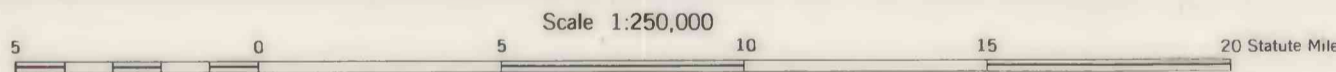


Basemap adapted from U. S. Geological Survey  
Quadrangle maps, 1°x2°, scale 1:250,000, 1961-1970.

SECTIONIZED TOWNSHIP

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

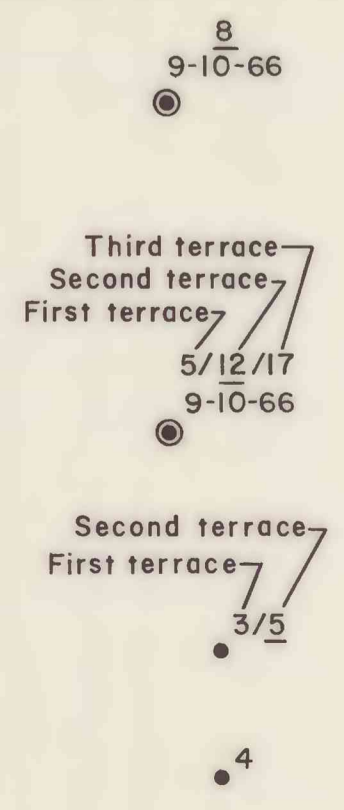
TOWNSHIP OR RANGE LINE  
LAND GRANT BOUNDARY



CONTOUR INTERVAL 200 FEET  
WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS

EXPLANATION

Single measurement site



Site where height of terrace was measured. Upper figure denotes the height in feet of the terrace above the streambed. Lower figure denotes date of measurement.

Site where height of more than one terrace was measured. Upper figure denotes the height in feet of terraces above the streambed. Lower figure denotes date of measurement.

Site where height of more than one terrace was estimated. Figures denote height in feet of terraces above the streambed.

Site where height of terrace was estimated. Figure denotes height in feet of terrace above the streambed.

At measuring sites where only one terrace is present, the height of the terrace is the same as the depth of the channel. At sites where two or more terraces are present, the channel depth is the same as the height of the terrace that is underlined. The figure underlined is the amount of downcutting that has taken place during the late Nineteenth Century to present arroyo trenching.

Multiple measurement site

Channel Conditions

24 Site where measurements were made during 1964-69 and 1977-78. Numeral is the site number listed in table I according to its location in the San Juan River, Rio Grande, or Little Colorado River drainage basins.

A Channel appears to be aggraded at time measurement or estimation was made.

B Channel is cut into bedrock.

D Channel forms a ditch.

H Depth of channel downstream of a headcut.

J Discontinuous channel.

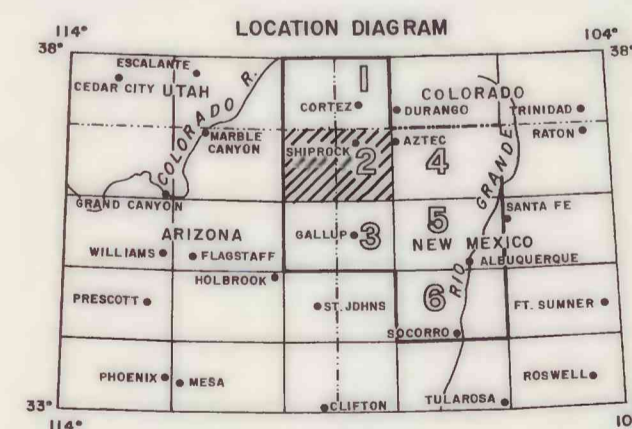
M Channel is modified by some activity of man.

R Channel is formed along side of present roads or along abandoned roads and trails.

Y Channel contains a mature stand of grass.

< Less than.

> Greater than.



Geomorphology by  
M. E. Cooley, 1979.

Plate I.--Map showing heights of terraces and depths of channels of streams in the San Juan Basin, Shiprock 1°x2° quadrangle, Arizona and New Mexico.