

OFFICE MEMORANDUM

TO File

DATE: July 6, 1978

FROM Margaret Anne Rogers, H-12

MAR

SUBJECT ACTIVITIES FOR JUNE 1978

SYMBOL H12-78-193

MAIL STOP: 490

1382 Report
June 19 - June 30, 1978 I was at the Mayo Clinic. Twenty-five percent of my time this month was spent in talking with various people on various subjects. Down 18% from last month. Sixteen percent was spent on microprobe data; 36% on the map per se; 5% on the joint study; and 5% on the update of LA-6848-MS. Virginia L. Christie began work as my assistant during the month.

Work During June 1978 toward objective (4) description of the geologic, biologic, and hydrologic pathways by which releases might occur.

Field work for the geologic map was directed toward identifying the Water Canyon Fault in Cañon Valle and Water Canyon. A. J. Budding and W. D. Purtymun in LA-6278-MS (March 1976) report a displacement of 9 m on the fault with the east side downthrown. In Cañon Valle two sandy partings were observed to have a vertical separation of 30 m in the vicinity of the Water Canyon Fault as shown on Fig. 1 of LA-6278-MS. Both sandy partings can be used as marker beds. The higher parting was traced up canyon to TA-9; the lower parting was traced down canyon to TA-14. Both partings are believed to extend further than noted. Lithologies above and below each parting were observed and traced. The upper and lower parting are not the same. No displacement of any lithology was observed. In the bottom of Water Canyon from State Road 4 to TA-49 no displacement was observed. Some further work on the rim of Water Canyon near TA-28 needs to be done to be absolutely certain, but it would appear that a stratigraphic error led to the assumption of vertical displacement of a sandy parting. In other words it does not look as if the Water Canyon Fault exists.

Work on the graphics for the joint study report proceeded during the month.

Cultural information has been placed on approximately half of the mylar topographic maps which are used as the base for the geologic map.



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Analysis of the microprobe data continued with a literature review.

Information sources were researched for "Environmental Patterns of the Los Alamos Area in the Prehistoric Period." In Santa Fe Dr. Stuart Peckam, Director of Laboratory of Anthropology, Museum of New Mexico; Ms. Marsha Jackson, Survey Files, Laboratory of Anthropology, Museum of New Mexico; Ms. Laura Holt, Librarian, Laboratory of Anthropology, Museum of New Mexico; and Dr. Myra Ellen Jenkins, State Historian, Archives were interviewed. Some leads were gotten on other agencies and people to contact for published and unpublished data and from survey files.

Work During June 1978 toward objective (1) maintenance of a continuous record of all former and current operational or research activities at the disposal sites.

Additional information on Area A and Area G was received for the update of LA-6848-MS.

MAR:tj
cc: Dan Wilson
Merlin Wheeler
Willy Abeele
Tony Gallegos
Virginia Christie