

## OFFICE MEMORANDUM

TO : Wayne R. Hansen

DATE: July 29, 1977

FROM : Margaret Anne Rogers

MAR

SUBJECT : JULY 1977 ACTIVITIES

SYMBOL : H8-77-539

1376  
Report

Al Zerwekh, CMB-1, consented to have chemically analyzed for us 2 samples of the white fracture filling (believed to be caliche) and about 5 samples of vermillion and bright-yellow tuff. The complete chemical analysis of the white fracture fillings should end the controversy over whether the material is caliche or silica. The other samples of unusual coloration in the tuff are being analyzed in order to better understand the origin of these occurrences.

The sandy parting exposed in the west wall of Pit 18 was compared to the sandy parting at the base of Unit 2b on outcrop in Pajarito Canyon. Transit work established that they are not the same parting. The one in Pit 18 is 50 ft above the one at the base of Unit 2b. It is possible that the one in Pit 18 is the contact between Unit 2b and Unit 3.

Pit 18, Area G was mapped. Strike and dip was taken on all joints which extended from the bottom of the pit to the surface. ISD-7 photographed the pit walls and took close-ups of unusual geologic features in the pit. Joint data will be transferred to the photographs for permanent reference.

Field work continued in Sandia and Los Alamos Canyons. Particular attention was paid to Area B and the LAMPF site.

A series of photographs of geologic interest both general and specific to the mapping project was begun. ISD-7 is doing this work.

Schematic sections describing the Bandelier Tuff on the Pajarito Plateau were prepared. As field work continues information will be added to them.

MAR:kr

xc: M. Wheeler  
J. Smith  
W. Abeele  
J. Rodgers  
D. Jackson  
L. Trocki

