

INTER-OFFICE MEMORANDUM

SUBJECT: Progress Report on Best Project

DATE March 15, 1976

TO: Wm. M. Dolan, H. J. Olson,  
J. Roth, G/T Staff

FROM: A. Lange

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Joe Meigs and I commenced work at Milford, Utah on 23 February, 1976. On 1 March, Larry LeBel arrived and I left for home. The results of scanning the data gathered through 5 March, are the following:

Microearthquakes:

A dual station set in mines in Salt Cove, Station 1 (Figure 1) was operated continuously during 5 days. Two very nondescript events were seen that might possibly be local microearthquakes.

A dual station was set up in the Creole Mine (Station 2), 4.5 km NNE of Minersville. Of four days record, two were not used because of a cable failure on one channel. On the remaining two days, two local microearthquakes appeared, situated evidently about 8 and 16 km to the north.

Heat Flux

Stations shown in Figure 1 were occupied for two or three days each, as conditions warranted. Very good records were obtained on the first three stations, information on the others came over the phone. Results are as follows:

Site 1: Mine west of Mollie's Nipple:	0.4 hfu
2: Creole Mine	12. hfu
3: Upper Cave Mine	13.2 hfu
4: Blue Star Mine	~12. hfu
5: Beaver View Mine	~25. hfu ?(diurnal)
6: Lower Cave Mine	no data yet

The Beaver View site was at the bottom of an incline. Because shafts and inclines form cold air traps they should not be used for heat flux measurements. Such an environment can be expected to show an exaggerated

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heat flow and strong diurnal.

I believe that the first four readings are good, because the adits are deep; however, they should be repeated at a later season to confirm stationarity.

  
A. Lange

Attach.  
ALL/c

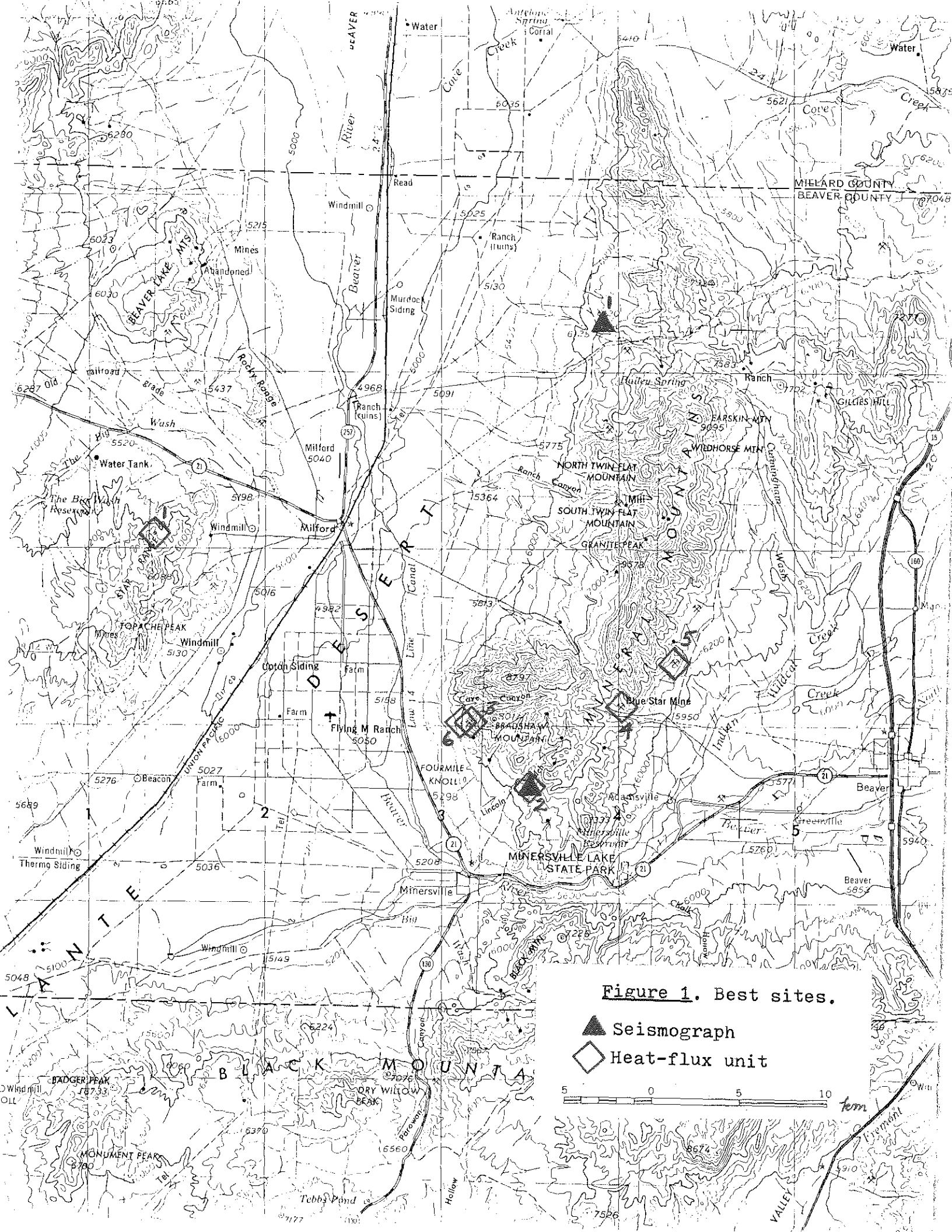




Figure 1. Best sites.

-  Seismograph
-  Heat-flux unit

