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December 19, 1978

MEMORANDUM

TO: State Coupled Core Group

FROM: Duncan Foley

RE: Trip Report, Idaho Department of Water Resources

SUBJECT: State Coupled Project

Attendees: John Mitchell, Ralph Mellon - IDWR
Roy Mink - DOE/DGE/ID
Duncan Foley - ESL/UURI

General and Business

1. IDWR requires 2-3 months to get contracts out for geophysical work. Therefore they would like to get moving ASAP on selection of geophysical methods for studies in the Nampa and Pocatello areas.

Technical

1. The map of thermal wells and springs in Idaho will contain about 700 sites, separated into 10^{o} categories ranging from 20^{o} to $100^{o}C$.

2. About 300 records have chemical analyses; these will be entered into GEOTHERM. About 125 of these records have analyses for 30 trace elements. These records will probably be ready for coding in February.

3. In the Nampa and Pocatello areas IDWR would like advice about effective geophysical techniques to use for defining fault and fracture zones that might have fluid movement. They are planning to assemble gravity, magnetic, water well log, geologic, heat flow and thermal gradient data in each area, and are then interested in relative merits of seismic or electric methods to define deep structures.

Action Items

1. ESL/UURI will communicate to USGS the items that IDWR would like on custom GEOTHERM coding forms.

2. A meeting of IDWR and ESL/UURI may be appropriate in January to discuss geophysical research programs.

Duncan Foley

DF/smk