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Date: Tuesday, June 17, 1997 6:40 pm
Subject: Canyons Sediment Meeting, 6/19, 8 AM

To interested parties:

4/1049/0/CA
A meeting will be held in the EES-1 Tectonics Lab, Thursday, June 19, at 8 AM, to summarize available data on reach LA-3 and to start planning the first sampling event there. Available data include a gross gamma walkover survey conducted in FY96, fixed-point gamma measurements at 65 surface locations and through 31 depth profiles (10 cm intervals, 1-minute count times), a geomorphic map revised based on the field rad measurements, and environmental surveillance data. Existing data from reach LA-2 also provide insight into likely contaminant suites and approximate concentrations that could be found in LA-3.

In the spirit of expediting the characterization process, we are considering 2 modifications from last year's sampling strategy. 1) Obtaining relatively few full-suite analyses in the first sampling event, aimed at testing hypotheses developed in LA-2 and evaluating possible downstream sources (i.e., TA-53). 2) Moving straight into an extensive "key contaminant" sampling directed towards minimizing uncertainty in the Cs-137 inventory and evaluating relations between Cs and other key contaminants (Sr-90, Am-241, Pu-239,240). I have boldly (foolishly?) attempted an approximate Cs inventory based on the field rad data, relations between gamma and Cs in LA-2, and field measurements of the volume of probable post-1942 sediment. This preliminary inventory will be used to allocate samples between different geomorphic units, a process not started until the 3rd sampling event in the Pilot Study reaches.

Please contact me if you have any questions.

Steve

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