

UNCLASSIFIED

Los Alamos National Laboratory



Outgoing Facsimile Transmittal

EES-1

Geology/Geochemistry
P. O. Box 1663, MS D462
Los Alamos, NM 87545

Telecopler Number
505-665-3285

Confirmation Number
505-667-7590

TO: John Young
NMED - Santa Fe

FAX: 827-1544

FROM: Steven Reneau

RE: Bounced LA-1 e-mail

Number of pages including cover sheet: 3 Date: 9/5/97

This Message Contains Unclassified Information Only

Operator's Signature _____

UNCLASSIFIED



6922

Mail Delivery Subsystem,9/5/97 4:17 PM,Returned mail: Host unknown (Name s 1

Date: Fri, 5 Sep 1997 10:17:17 -0600
 From: MAILER-DAEMON@nmenv.state.nm.us (Mail Delivery Subsystem)
 Subject: Returned mail: Host unknown (Name server: eidhub: host not found)
 To: <srneau@lanl.gov>

The original message was received at Fri, 5 Sep 1997 10:17:10 -0600
 from nmedgateway [164.64.140.62]

----- The following addresses had delivery problems -----
 John_Young@eidhub (unrecoverable error)
 (expanded from: <John_Young@nmenv.state.nm.us>)
 Chris_HanlonMeyer@eidhub (unrecoverable error)
 (expanded from: <chris_hanlonmeyer@nmenv.state.nm.us>)

----- Transcript of session follows -----
 550 John_Young@eidhub,Chris_HanlonMeyer@eidhub... Host unknown (Name server: eidhub: host not found)

----- Original message follows -----
 Return-Path: <srneau@lanl.gov>
 Received: from nmedgateway.nmenv.state.nm.us by odscr (8.6.13/200.8.1.3)
 id KAA03161; Fri, 5 Sep 1997 10:17:10 -0600
 Received: by nmedgateway.nmenv.state.nm.us; id KAA01192; Fri, 5 Sep 1997 10:43:41 -0600 (MDT)
 Date: Fri, 5 Sep 1997 10:43:41 -0600 (MDT)
 Received: from geology.lanl.gov(128.165.206.177) by nmedgateway.nmenv.state.nm.us via smap (3.2)
 id kma001164; Fri, 5 Sep 97 10:43:19 -0600
 Received: from [128.165.206.213] by 128.165.206.213 with SMTP;
 Fri, 5 Sep 1997 10:20:24 -0600 (MDT)
 X-Sender: reneau@geology.lanl.gov
 Message-Id: <v02130503b03589f5d2c4@[128.165.206.213]>
 Mime-Version: 1.0
 Content-Type: text/plain; charset="us-ascii"
 To: jlewis@tis.eh.doe.gov, randyr@genensis.lanl.gov, katzman@finad.lanl.gov,
 broxton@lanl.gov, plongmirc@lanl.gov, deba@allca.lanl.gov,
 harris@finad.lanl.gov, chris_hanlonmeyer@edser, etherio@trail.com,
 hill.kim@epamail.epa.gov, John_Young@ediser
 From: srneau@lanl.gov (Steven Reneau)
 Subject: Reach LA-1 Sediment Sampling
 Cc: pratt_allyn_r@lanl.gov, srneau@lanl.gov

To interested parties:

We are scheduled to collect our first round of sediment samples from Reach LA-1 during the week of September 8. Sampling will probably extend into 2 days, but the exact dates are not yet decided. I will be out of town for this sampling event, and Danny Katzman with ERM will be taking the lead. If you are interested in seeing the sample sites or in collecting duplicate samples, please contact either Danny (662-1318) or Jenny Harris (662-1304).

LA-1 encompasses an extended part of upper Los Alamos Canyon and is divided into several sub-reaches with the objective of resolving relative contaminant contributions from various sources. LA 1 West is upstream of TA-41 and includes the outfall channel from "Hillside 138", a known source of Pu and Hg. Sampling here will be both upstream and downstream of the outfall channel in order to investigate both the contributions from Hillside 138 and from other sources farther upstream (including Bailey Canyon with known U contamination). LA-1 Central extends downstream from TA-2, and will help evaluate additional contributions from TA 2 and TA-41. LA-1 East extends downstream from the old TA-21 laundry facility outfall channel, where relatively high Pu was reported from a 1946 sampling event.

We are fortunate that a series of sediment samples were collected several years ago from 5 transects spanning the full length of these reaches by OU

Printed for srneau@lanl.gov (Steven Reneau)

1

TL

Mail Delivery Subsystem,9/5/97 4:17 PM,Returned mail: Host unknown (Name s 2

1098 as part of TA-2 and TA-41 investigations. Danny Katzman selected the sample sites with the intent of targeting both active stream channel sediments and the young overbank sediments, and we can assign these samples to our "c1" and "c2" units. This has helped us do an initial evaluation of contaminants present above background levels and identify possible sources. Goals of the present sampling event include targeting relatively old post-1943 fine-grained sediments where contaminant concentrations could be higher than that measured in the OU 1098 transects, in order to better define the distribution, concentrations, and sources of key analytes.

Pu is present above background in all the OU 1098 transects, and we will use it as an "indicator contaminant", analyzing for Pu in all samples. In progressively smaller subsets we will also analyze for the Target Analyte List (TAL) metals (Hg and Pb are of particular interest based on prior data), PCBs (present irregularly in the OU 1098 data set), isotopic U (generally well correlated with Pu-239,240 in the OU 1098 data set), and Sr-90 (known in water from TA-2, but conflicting data exist on whether it is detectable in sediments above background).

Please feel free to contact me, Danny, or Jenny about this sampling event.

Steve