From: Steven Reneau <sreneau@lanl.gov>
To: R6DAL02.R6TOXIC2(HILL-KIM),RTPMAINHUB.INTERNET("Jo...
Date: Friday, May 30, 1997 7:37 pm
Subject: LA-2 sediment sampling

To interested parties:

We are almost finished with selecting sample sites for limited-suite sediment samples in reach LA-2, in Los Alamos Canyon near the confluence with DP Canyon. We are curently planning about 35-40 samples, mostly downstream of DP Canyon but with some upstream as well. All downstream samples will be analyzed for Cs (gscan, with low-precision Am as well), and most of these will also be analyzed for Pu and/or Sr. All upstream samples will be analyzed for both Sr and Pu. One sample in each area will also be analyzed for all of those rad isotopes plus tritium, Ra-226, iso U, TAL metals, PAHs, and PCBs (everything which had previously been identified above background).

The sampling date is not firm yet, but could be as early as June 5 or 6 (Thursday or Friday), depending on completion of prerequisite paperwork and availbility of the sampling team. If you would like more information or would like to join the sampling event, please let me know.

Steve

CC: RTPMAINHUB.INTERNET("pratt_allyn_r@lanl.gov")

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SAMPLE_LOC	LOCATION_I	SAMPLE_ID	DEPTH	MEDIA	AL	QUAL	AS	QUAL	B	QUAL	BA	QUAL	CA	QUAL	CR	QUAL	CU	QUAL
LA-2-10	LA-0018	04LA-96-014	0-3 IN	SS	5170		2.5		1.2	U	59.2		*****		5.5		4.9	
LA-2-30	LA-0024	04LA-96-014	0-6 IN	SS	2440		1.3		1.2	U	28.2		611		4.7		2.8	
LA-2-31	LA-0025	04LA-96-014	26-32 IN	SS	******		4.7		5.9	J	132		*****		38.4		13.9	
LA-2-4	LA-0016	04LA-96-014	0-3 IN	SS	4520		2.6		2	J	76		*****		5.8	J	7.7	
LA-2-48	LA-0019	04LA-96-014	0-6 IN	SS	3160		2		1.2	U	46		*****		4.8		4.8	
LA-2-54A	LA-0020	04LA-96-014	0-6 IN	SS	4330		2.1		1.3	J	50.3		*****		6.7		4.7	
LA-2-54B	LA-0021	04LA-96-014	25-29 IN	SS	6930		2.7		2.6	J	59.8		*****		18.9		9.3	
LA-2-61	LA-0023	04LA-96-014	0-4 IN	SS	3440		2.4		1.2	U	38.4		716		6.3		3	
LA-2-62	LA-0022	04LA-96-014	0-4 IN	SS	4260		1.9		1.9	J	48.7		*****		6.5		6.6	
LA-2-9	LA-0017	04LA-96-014	0-3 IN	SS	3000		1.7		1.2	U	37		698		4.4		2.9	
BACKGROUN					******		3.98		4.1		127		*****		10.5		9.97	

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HG	QUAL	PB	QUAL	SE	QUAL	TOC	QUAL	U	QUAL	V	QUAL	ZN	QUAL
0.05		18.8		0.23	J	9840		2.5		8.9		46.7	
0.02	U	12.8		0.2	U	3610		0.39		6.7		39.4	
0.14		61.9		0.65		******		2.9		21.9		90.5	
0.03	J	42.4		0.2	U	7950		1.3		11.6		53.5	
0.02	U	23		0.28	J	5660		0.82		6.8		44.7	
0.02	U	24.4		0.2	U	5430		0.75		10.3		56.7	
0.06		36.1		0.37	J	5660		1.1		10.8		62	
0.02	U	14.3		0.2	U	983		0.21		11.9		72.8	
0.02	U	29.3		0.25	J	4460		0.63		8		60.5	
0.02	U	12.2		0.2	U	1140		0.3		7.8		38.3	
0.03		19.7						1.62		19.7		60.2	

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SAMPLE_LOC	LOCATION_I	SAMPLE_ID	DEPTH	MEDIA	Acenaphthen	QUAL	Anthracene	QUAL	Aroclor-126	QUAL	Benzo(a)anthrace	QUAL
LA-2-10	LA-0018	04LA-96-014	0-3 IN	SS	0.32	U	0.32	U	0.12		0.32	U
LA-2-30	LA-0024	04LA-96-014	0-6 IN	SS	0.32	U	0.32	U	0.04		0.32	U
LA-2-31	LA-0025	04LA-96-014	26-32 IN	SS	0.33	U	0.04	J	0.42	J	0.13	J
LA-2-4	LA-0016	04LA-96-014	0-3 IN	SS	0.06	J	0.09	J	0.02	J	0.2	J
LA-2-48	LA-0019	04LA-96-014	0-6 IN	SS	0.32	U	0.03	J	0.05		0.19	J
LA-2-54A	LA-0020	04LA-96-014	0-6 IN	SS	0.32	U	0.05	J	0.05		0.27	J
LA-2-54B	LA-0021	04LA-96-014	25-29 IN	SS	0.35	U	0.06	J	0.23		0.34	J
LA-2-61	LA-0023	04LA-96-014	0-4 IN	SS	0.32	U	0.04	J	0.01	J	0.12	J
LA-2-62	LA-0022	04LA-96-014	0-4 IN	SS	0.32	U	0.06	J	0.05		0.36	

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Benzo(a)pyren	QUAL	Benzo(b)fluoranthe	QUAL	Benzo(g,h,i)peryler	QUAL	Chrysene	QUAL	DDE[4,4-]	QUAL	Dibenzofura	QUAL	Fluoranthen	QUAL
0.32	U	0.32	U	0.32	U	0.32	U	0.003	U	0.32	U	0.05	J
0.32	U	0.32	U	0.32	U	0.32	U	0.0031	U	0.32	U	0.32	U
0.15	J	0.25	J	0.33	U	0.16	J	0.03	J	0.33	U	0.29	J
0.27	J	0.36		0.17	J	0.26	J	0.0031	U	0.03	J	0.48	
0.24	J	0.33		0.14	J	0.22	J	0.0031	U	0.32	U	0.38	
0.31	J	0.48		0.2	J	0.31	J	0.0032	U	0.32	U	0.56	
0.65		0.66		0.29	J	0.36		0.0034	U	0.35	U	0.66	
0.12	J	0.17	J	0.32	U	0.12	J	0.003	U	0.32	U	0.22	J
0.39		0.62		0.28	J	0.41		0.0032	U	0.32	U	0.72	

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Fluorene	QUAL	Indeno(1,2,3-cd)pyre	QUAL	Naphthalen	QUAL	Phenanthren	QUAL	Pyrene	QUAL
0.32	U	0.32	U	0.32	U	0.03	J	0.05	J
0.32	U	0.32	U	0.32	U	0.32	U	0.32	U
0.33	U	0.33	U	0.33	U	0.18	J	0.27	J
0.06	J	0.16	J	0.08	J	0.43		0.43	
0.32	U	0.13	J	0.32	U	0.19	J	0.34	
0.32	U	0.18	J	0.32	U	0.26	J	0.47	
0.35	U	0.34	J	0.35	U	0.32	J	0.58	
0.32	U	0.32	U	0.32	U	0.15	J	0.2	J
0.32	U	0.26	J	0.32	U	0.33		0.57	

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SAMPLE_LOC	LOCATION_I	SAMPLE_ID	DEPTH	MEDIA	ALPHA	QUAL	AM-241	QUAL	BETA	QUAL	CS-134	QUAL	CS-137	QUAL	H-3	QUAL
LA-2-10	LA-0018	04LA-96-014	0-3 IN	SS	33.58		0.04		47.08		0.1	U	1.6		0.05	
LA-2-30	LA-0024	04LA-96-014	0-6 IN	SS	21.62		0.34		75.89		0.08	U	27.85		0.007	
LA-2-31	LA-0025	04LA-96-014	26-32 IN	SS	80.92		1.5		300		0.13	U	192.31		0.13	
LA-2-4	LA-0016	04LA-96-014	0-3 IN	SS	79.81		3.95		137.55		0.12	U	87.82		0.14	
LA-2-48	LA-0019	04LA-96-014	0-6 IN	SS	55.61		1.24		49.17		0.14	U	5.77		0.06	
LA-2-54A	LA-0020	04LA-96-014	0-6 IN	SS	38.71		1.24		46.73		0.08	U	5.52		0.03	
LA-2-54B	LA-0021	04LA-96-014	25-29 IN	SS	55.83		1.37		84.21		0.14	U	34.53		0.12	
LA-2-61	LA-0023	04LA-96-014	0-4 IN	SS	31.42		0.27		39.44		0.18	J	2.12		0.01	
LA-2-62	LA-0022	04LA-96-014	0-4 IN	SS	39.35		1.13		51.75		0.11	U	4.76		0.02	
LA-2-9	LA-0017	04LA-96-014	0-3 IN	SS	18.04		0.03		36.56		0.09	U	0.12	U	0.02	
BACKGROUN					58.8		0.139		46.1				1.28		0.068	

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PU-238	QUAL	PU-239/240	QUAL	RA-226	QUAL	SN-113	QUAL	SR-90	QUAL	TH-230	QUAL	U-234	QUAL	U-238	QUAL
0.01		1.31		2.55	U	0		0.77		1.85		2.2		2.3	
0.02		0.95		3.75	U	0.15	U	3.93		1.13		0.87		1	
0.07		5.4		5.97	U	0.36	U	39.56		1.95		2.4		2.4	
0.68		4.15		4.59	U	0.22	U	9.87		2.2		2.8		2.3	
0.3		0.63		3.12	U	0.14	U	2.21		1.8		1.7		1.8	
0.15		0.65		2.53	U	0.13	U	1.86		1.66		1.7		1.7	
0.18		2.31		3.52	U	0.15	U	1.27		2.44		2.2		2.1	
0.02		0.22		5.28		0.09	U	1.04		1.16		1.2		1.3	
0.09		0.54		3	U	0.13	U	1.91		1.69		1.7		1.8	
0.005		0.21		2.53	U	0.04	U	0.66		1.1		1.1		0.91	
0.006		0.197		2.03				1		2.29		2.39		2.29	