

N00213.AR.000290
NAS KEY WEST
5090.3a

LETTER OF TRANSMITTAL FOR SUMMARY OF PHYSICAL CHARACTERISTICS FOR
SEDIMENT SAMPLES TAKEN FROM SITE 1 AND SITE 8 FOR DEVELOPMENT OF PLAN
FOR TOXICITY TEST COMPLETION NAS KEY WEST FL

7/8/1998

TETRA TECH NUS



TETRA TECH NUS, INC.

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July 8, 1998

Mr. Jorge Caspary
Division of Waste Management
Technical Review/Federal Facilities
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400

SUBJECT: Summary of Physical Characteristics for Sediment Samples Collected at IR 1 and IR 8

Dear Mr. Caspary:

At the request of Mr. Dudley Patrick, Navy Facilities Engineering Command, Southern Division, Tetra Tech NUS, Inc. (TtNUS), is pleased to send you a summary of physical characteristics for sediment samples taken at IR 1 and IR 8 at Naval Air Station Key West. TtNUS will be analyzing this data and developing a plan for completing the toxicity tests, as discussed with FDEP representatives in a meeting held on 12 February 1998. These results are being shared with you in the spirit on cooperation and partnering.

Please call me at (803) 649-7963, ext. 345 if you have any questions concerning these results.

Sincerely,

C. M. Bryan
NAS Key West Task Order Manager

CMB/dsp

Enclosure

c: Dudley Patrick, SouthDiv
File 7046-3.2

SUMMARY OF SEDIMENT PHYSICAL CHARACTERISTICS IN SAMPLES COLLECTED AT IR 1, IR8 (NAS KEY WEST), AND THREE REFERENCE SITES

Sample ID #	Whole Sediment									Sediment Pore Water			
	Redox (mV)	pH	Salinity (ppt)	TOC (mg/kg dw)	Percent solids	Particle Size Distribution				Dissolved Oxygen (mg/L)	pH	Ammonia (mg/L)	Salinity (ppt)
						%Gravel	% Sand	% Silt	% Clay				
IR1-1	159	7.6	2.0U	40,000	51	0.0	79.8	10.4	9.8	4.5	7.5	1.1	55
IR1-2	111	7.6	2.0U	34,000	70	3.7	87.7	6.2	2.4	N/A	N/A	N/A	N/A
IR1-3	122	7.7	2.0U	3,900	82	20.2	75.6	2.8	1.4	4.1	7.6	0.82	48
IR1-4	120	7.6	2.0U	4,300	64	0.0	96.5	1.8	1.7	4.8	7.6	0.80	65
IR8-1	53	7.3	2.0U	17,000	53	7.2	50.0	33.6	9.2	4.0	7.0	3.9	32
IR8-2	119	7.7	2.0U	38,000	67	18.8	74.4	4.3	2.5	3.8	7.3	3.0	32
IR8-3	139	7.5	2.0U	12,000	68	13.7	79.4	4.4	2.5	3.9	7.3	6.6	35
IR8-4	56	7.3	2.0U	15,000	45	2.9	47.4	40.7	9.0	3.4	7.2	2.1	30
B4-1	139	7.3	2.0U	15,000	52	0.0	41.8	47.8	10.4	4.7	7.3	1.3	35
B4-2	N/A	7.3	2.0U	16,000	49	0.0	30.0	59.8	10.2	3.9	7.3	1.2	32
B5-1	149	7.3	2.0U	14,000	45	0.4	68.5	24.9	6.2	3.5	7.3	1.5	35
B5-2	119	7.4	2.0U	14,000	54	4.5	72.8	18.2	4.5	4.5	7.4	1.1	30
B8-1	112	7.2	2.0U	19,000	38	3.3	86.1	6.6	4.0	4.9	7.4	1.7	30
B8-2	39	7.5	2.0U	15,000	60	0.6	90.1	6.5	2.8	4.6	7.3	3.6	48
B8-3	108	7.3	2.0U	21,000	67	8.7	87.8	2.1	1.4	4.8	7.4	1.9	32

Note: Samples collected during May 12-14, 1998

N/A Not Available