

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GEOCHEMICAL ANALYSES OF SAMPLES OF STREAM SEDIMENTS,
PANNED HEAVY-MINERAL CONCENTRATES, ROCKS,
AND WATERS OF THE PUSCH RIDGE WILDERNESS AREA, ARIZONA

by

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Introduction

The U.S. Geological Survey and the U.S. Bureau of Mines have conducted a mineral-resource assessment of the Pusch Ridge Wilderness Area, in Pima County, near Tucson Arizona. The study consisted of coordinated geological, geochemical, and mineral resource studies with the objective of evaluating the potential for mineral deposits in the 200 km² area. The geochemical survey consisted of the collection of stream-sediment samples, stream-sediment samples taken for panning to produce heavy-mineral concentrates, and rock and water samples. The samples were analyzed by both wet chemical and semiquantitative emission-spectrographic techniques. The purpose of this report is to present the analytical results of the geochemical samples collected. Statistical analyses of the data are presented in a separate report (Hinkle and others, 1981).

Sampling Procedures

Stream-sediment samples were collected from stream beds at 147 sites in the Pusch Ridge Wilderness Area (fig. 1). The general practice at sample sites with relatively dry sediment was to sieve the samples to less than 0.59 mm (-30 mesh) size in the field and retain approximately 1 kg for later sieving to 0.18 mm (-80 mesh) after further drying. All samples were sieved through stainless steel sieves. A second sediment sample of 1 kg was taken for panning to produce a heavy-mineral concentrate. Sediment samples for panning were collected from around rocks and other places in the channel where isolated black specks of heavy minerals were observed, in order to maximize the amount of heavy-mineral concentrate obtained; quantities of black sand do not occur in most parts of the Pusch Ridge Wilderness Area.

Sixteen samples of bedrock were collected at various places. In addition, 22 water samples were collected from springs and seeps. Three approximately 80-ml water samples were collected at each site: one sample unfiltered and unacidified, the second sample filtered to pass a 0.45-micron membrane filter and unacidified, and the third sample both filtered to less than 0.45-microns and acidified with 0.5 ml of concentrated nitric acid. Water temperature was measured at each sample site. The samples were stored in polyethylene bottles.

Sample Preparation and Analysis

The -80 mesh stream-sediment samples were pulverized to approximately 0.15 mm (100 mesh) for analysis using a Braun pulverizer. The sediment that was collected for the heavy-mineral concentrate sample was panned to the point at which heavy minerals began to be lost (Theobald, 1957). The remaining light materials in the panned concentrate were removed using bromoform (specific gravity = 2.80-2.89) and discarded. Magnetite was then removed from the remaining concentrate using a hand magnet. The resulting heavy-mineral fraction was divided into two subfractions based on magnetic susceptibility by use of the Frantz Isodynamic Magnetic Separator at a setting of 0.6 ampere. Half of the nonmagnetic heavy minerals (not susceptible at 0.6 ampere) was ground by hand for analysis using an agate mortar and pestle, and the other half of the sample was saved for mineralogical study. Rock samples were crushed, then pulverized to about 0.15 mm (100 mesh) for analysis.

All of the prepared sediments, heavy-mineral concentrates, and rock samples were analyzed for 31 elements by the six-step semiquantitative emission-spectrographic technique routinely used by the U.S. Geological Survey (Grimes and Marranzino, 1968). The sediment and heavy-mineral concentrates were analyzed for zinc by atomic-absorption spectrophotometry (Ward and others, 1969). In addition, the sediment samples were analyzed for mercury by the gold-film technique of McNerney and others (1972).

Specific conductance and pH were measured on the unfiltered, unacidified portion of the water samples within 10 hours after collection. The filtered, unacidified portion was used for the analysis of F, Cl, and SO₄ by ion chromatography (Fishman and Pyen, 1979), and for alkalinity by selective ion electrode (Orion Research, 1975). The filtered, acidified portion of the water samples was used for the analysis of all other elements. Flame atomic-absorption spectrophotometry (Brown and others, 1970) was used for the analysis of Na, Ca, K, and Mg. Flameless atomic-absorption spectrophotometry was used for analysis of Cu, Zn, Mo, Co, and Ni by methods of Miller and Ficklin (1976); for As by the method of Aruscavage (1977); for Ag and Fe by methods of Perkin-Elmer Corporation (1976); and for Pb by the method of Barnard and Fishman (1973).

DATA

The results of the chemical analyses are given in table 1; the lower limit of detection is written in parentheses below the symbol for the element.

The following abbreviations, letters and symbols, are used in the tables of data.

N Not detected at the limit of detection

Letters preceding element symbols

S Spectrographic analysis

AA Atomic-absorption analysis

INST Instrumental analysis. In the case of Hg, this means a gold-foil mercury detector.

Table 1.--Analytical Results

pusch ridge sediments

sample	LATITUDE	LONGITUDE	S-FEX (0.05)	S-MGX (0.02)	S-CAX (0.05)	S-TIX (0.002)	ppm (parts per million)			
							S-MN (10)	S-AG (0.5)	S-AS (200)	
									S-AS (200)	S-AU (10)
MEH001	32 20 16	110 54 31	3.0	1.50	1.5	.30	700	N	N	N
MEH006	32 23 34	110 49 39	5.0	1.00	1.5	.15	1,500	N	N	N
MEH008	32 23 13	110 49 0	3.0	.10	1.0	.07	1,000	N	N	N
MEH010	32 22 58	110 48 46	7.0	.15	1.5	.20	700	N	N	N
MEH012	32 22 51	110 48 23	1.5	.10	1.5	.07	700	N	N	N
MEH014	32 22 37	110 48 14	2.0	.20	1.5	.20	700	N	N	N
MEH016	32 25 22	110 45 2	10.0	1.50	1.5	>1.00	3,000	N	N	N
MEH018	32 25 24	110 45 7	5.0	1.00	5.0	.30	>5,000	N	N	N
MEH021	32 24 47	110 45 40	2.0	.30	1.5	.07	3,000	N	N	N
MEH024	32 24 23	110 45 58	7.0	.70	5.0	1.00	5,000	N	N	N
MEH026	32 24 26	110 46 3	1.0	.20	.7	.07	1,000	N	N	N
MEH028	32 23 9	110 46 0	3.0	.30	.5	.50	>5,000	N	N	N
MEH030	32 24 0	110 46 57	2.0	.50	1.0	.20	2,000	N	N	N
MEH031	32 22 25	110 46 0	3.0	.70	1.0	.50	5,000	N	N	N
MEH033	32 22 24	110 45 56	2.0	.50	1.0	.30	>5,000	N	N	N
MEH035	32 23 35	110 44 43	7.0	.70	1.0	.70	>5,000	N	N	N
MEH037	32 23 37	110 44 23	2.0	.50	.7	.20	500	N	N	N
MEH039	32 23 4	110 46 18	5.0	.70	1.5	1.00	>5,000	N	N	N
MEH042	32 22 38	110 45 35	2.0	.30	1.0	.20	>5,000	N	N	N
MEH044	32 21 54	110 46 19	7.0	1.00	2.0	1.00	700	N	N	N
MEH050	32 24 38	110 51 17	5.0	.50	1.5	.20	3,000	N	N	N
MEH052	32 24 25	110 51 6	3.0	.30	1.5	.20	1,000	N	N	N
MEH054	32 24 19	110 51 14	2.0	.50	1.5	.20	700	N	N	N
MEH059	32 24 18	110 51 17	3.0	.20	1.5	.30	500	N	N	N
MEH061	32 27 0	110 51 9	15.0	1.50	3.0	.50	1,500	N	N	N
MEH063	32 18 45	110 44 27	5.0	.50	2.0	.70	1,000	N	N	N
MEH065	32 18 42	110 43 38	7.0	.50	2.0	1.00	1,000	N	N	N
MEH067	32 18 42	110 43 11	5.0	.70	2.0	.70	1,000	N	N	N
MEH069	32 19 37	110 42 14	7.0	1.00	3.0	.50	1,000	N	N	N
MEH071	32 20 10	110 42 3	3.0	.30	2.0	.20	300	N	N	N
MEH073	32 20 14	110 41 20	3.0	.20	1.5	.15	5,000	N	N	N
MEH081	32 21 16	110 43 17	3.0	.70	1.0	.30	1,000	N	N	N
MEH083	32 20 33	110 45 46	3.0	.70	1.5	.50	700	N	N	N
MEH085	32 20 26	110 45 42	7.0	.20	1.0	.50	>5,000	N	N	N
MEH087	32 19 53	110 44 57	5.0	.70	2.0	.50	700	N	N	N
MEH089	32 19 47	110 46 18	5.0	.20	1.5	.30	>5,000	N	N	N
MEH091	32 19 35	110 46 10	7.0	1.50	7.0	.50	1,500	N	N	N
MEH093	32 18 34	110 46 52	7.0	.50	5.0	.50	1,500	N	N	N
MEH096	32 18 34	110 45 44	7.0	.50	2.0	.70	1,500	N	N	N
MEH098	32 18 33	110 46 16	10.0	.70	1.5	>1.00	2,000	N	N	N
MEH100	32 18 46	110 47 48	3.0	.70	1.5	.30	1,000	N	N	N
MEH102	32 20 17	110 49 45	7.0	.50	1.5	.50	5,000	N	N	N
MEH105	32 21 59	110 49 53	7.0	.15	1.5	.50	1,500	N	N	N
MEH110	32 21 59	110 49 57	5.0	.70	2.0	.20	700	N	N	N
MEH112	32 20 59	110 51 14	3.0	.50	2.0	.20	1,000	N	N	N

Table 1--continued
pusch ridge sediments
ppm

sample	S-B (10)	S-BA (20)	S-BE (1)	S-BI (10)	S-CO (20)	S-CO (5)	S-CR (10)	S-CU (5)	S-LA (20)	S-MO (5)	S-NB (20)
MEH001	20	2,000	2.0	N	N	10	50	70	100	5	20
MEH006	15	3,000	5.0	<10	N	7	20	50	1,000	20	N
MEH008	10	1,500	2.0	N	N	<5	10	15	500	N	N
MEH010	20	2,000	1.5	N	N	7	20	70	500	N	20
MEH012	N	3,000	2.0	N	N	<5	10	20	N	N	N
MEH014	<10	2,000	2.0	N	N	<5	15	50	N	<5	N
MEH016	20	500	5.0	N	N	30	30	200	N	7	30
MEH018	15	1,000	5.0	N	N	15	30	70	50	5	30
MEH021	<10	1,000	3.0	N	N	N	10	30	N	5	N
MEH024	20	700	7.0	N	N	10	70	50	100	5	200
MEH026	<10	500	5.0	N	N	N	10	20	50	5	<20
MEH028	10	500	5.0	N	N	5	15	20	50	15	20
MEH030	10	1,500	3.0	N	N	5	30	70	200	N	<20
MEH031	10	1,000	5.0	N	N	10	20	50	50	<5	20
MLH035	10	1,000	5.0	N	N	7	20	50	100	7	300
MEH035	20	1,000	7.0	N	N	15	50	70	200	5	30
MEH037	10	1,500	5.0	N	N	10	30	50	100	7	100
MEH039	15	1,000	1.5	N	N	15	30	70	300	<5	20
MEH042	15	1,500	3.0	N	N	5	20	50	70	<5	30
MEH044	20	2,000	1.5	N	N	20	70	70	150	<5	<20
MLH050	15	1,500	2.0	N	N	5	20	50	500	N	<20
MEH052	10	3,000	2.0	N	N	7	15	30	100	N	N
MEH054	10	3,000	2.0	N	N	7	30	50	200	N	N
MEH059	<10	3,000	1.5	N	N	5	30	30	50	N	<20
MEH061	30	700	2.0	N	N	30	300	150	300	N	50
MEH063	15	1,500	1.5	N	N	10	30	70	500	N	<20
MEH065	15	1,000	2.0	N	N	15	50	70	300	N	50
MEH067	10	1,000	2.0	N	N	15	70	70	200	5	20
MEH069	15	1,000	1.5	N	N	20	70	100	150	N	20
MEH071	10	5,000	3.0	N	N	7	15	30	200	N	N
MEH073	<10	2,000	2.0	N	N	5	15	30	700	N	N
MEH081	15	2,000	2.0	N	N	10	50	70	300	5	N
MEH083	15	2,000	2.0	N	N	15	30	50	100	7	<20
MEH085	20	700	1.5	N	N	10	20	50	150	N	<20
MEH087	<10	5,000	2.0	N	N	15	50	100	150	N	N
MEH089	10	2,000	2.0	N	N	<5	20	30	1,000	N	70
MEH091	15	2,000	2.0	N	N	20	70	70	100	<5	N
MEH093	10	1,000	2.0	N	N	20	50	70	100	N	<20
MEH096	15	2,000	1.5	N	N	15	30	70	150	N	20
MEH098	30	1,500	1.5	N	N	20	70	100	200	N	30
MEH100	<10	2,000	1.5	N	N	10	30	70	70	N	N
MEH102	15	3,000	1.5	N	N	10	30	50	500	N	20
MEH105	15	2,000	1.5	N	N	7	20	50	500	N	<20
MEH110	<10	2,000	1.0	N	N	7	30	15	50	N	N
MEH112	<10	2,000	1.0	N	N	5	20	15	70	N	N

Table 1--continued
pusch ridge sediments

ppm

sample	S-NI (5)	S-PB (10)	S-SB (100)	S-SC (5)	S-SN (10)	S-SR (100)	S-SV (10)	S-SW (50)	S-SY (10)	S-ZN (200)	S-ZR (10)
MEH001	20	70	N	20	N	500	50	N	70	N	>1,000
MEH006	10	70	N	15	N	700	30	N	700	N	150
MEH008	<5	50	N	5	N	500	10	N	150	N	100
MEH010	5	50	N	10	20	500	50	N	100	N	300
MEH012	<5	70	N	5	N	500	<10	N	50	N	100
MEH014	5	50	N	7	N	500	30	N	20	N	100
MEH016	30	30	N	15	20	150	70	N	50	N	200
MEH018	20	20	N	20	N	500	100	N	50	N	700
MEH021	5	70	N	5	N	300	<10	N	30	N	100
MEH024	7	30	N	20	<10	700	100	N	100	N	1,000
MEH026	5	20	N	5	N	200	15	N	30	N	70
MEH028	7	20	N	5	N	150	50	N	30	N	100
MEH030	10	50	N	10	N	300	15	N	70	N	200
MEH031	10	50	N	7	<10	200	50	N	200	N	100
MEH033	10	30	N	10	<10	300	30	N	50	N	150
MEH035	20	50	N	10	N	300	70	N	100	N	300
MEH037	15	70	N	7	<10	300	50	N	20	N	150
MEH039	10	70	N	10	N	300	70	N	200	N	700
MEH042	5	50	N	7	N	300	30	N	150	N	150
MEH044	20	70	N	15	N	500	70	N	100	N	100
MEH050	7	70	N	10	N	500	30	N	200	N	300
MEH052	7	70	N	5	<10	700	50	N	50	N	300
MEH054	7	70	N	7	N	500	30	N	150	N	150
MEH059	5	50	N	7	N	700	50	N	50	N	200
MEH061	50	20	N	20	<10	500	200	N	200	N	700
MEH063	7	50	N	20	N	500	70	N	150	N	>1,000
MEH065	15	30	N	20	N	500	100	N	200	N	>1,000
MEH067	10	70	N	20	N	300	70	N	150	N	>1,000
MEH069	15	50	N	20	N	500	70	N	100	N	700
MEH071	5	50	N	7	N	700	30	N	70	N	150
MEH073	<5	50	N	5	N	500	20	N	150	N	200
MEH081	70	70	N	15	N	500	50	N	70	N	200
MEH083	10	30	N	20	N	700	70	N	100	N	300
MEH085	7	30	N	15	20	200	70	N	500	N	500
MEH087	10	50	N	20	N	700	50	N	70	N	>1,000
MEH089	7	50	N	15	N	500	50	N	200	N	1,000
MEH091	30	50	N	20	N	500	50	N	50	N	500
MEH093	20	50	N	20	N	1,000	100	N	100	N	500
MEH096	15	50	N	15	N	500	100	N	100	N	>1,000
MEH098	10	50	N	20	N	300	200	N	200	N	>1,000
MEH100	7	70	N	10	N	500	50	N	50	N	500
MEH102	7	50	N	15	N	500	70	N	500	N	300
MEH105	5	50	N	7	N	1,000	70	N	1,000	N	>1,000
MEH110	10	50	N	7	N	500	70	N	50	N	150
MEH112	5	70	N	5	N	500	50	N	30	N	150

Table 1--continued
pusch ridge sediments

sample	S-Th		ppm		ppb(parts per billion)	
	(100)	N	AA-ZN	(5)	INST-HG	(2)
MEH001	N		40		52	
MEH006	N		20		62	
MEH008	N		20		19	
MEH010	N		30		21	
MEH012	N		15		9	
MEH014	N		15		64	
MEH016	N		40		22	
MEH018	N		55		48	
MEH021	N		25		39	
MEH024	N		25		55	
MEH026	N		20		48	
MEH028	N		25		30	
MEH030	N		20		37	
MEH031	N		20		27	
MEH033	N		20		20	
MEH035	N		45		60	
MEH037	N		35		40	
MEH039	N		15		22	
MEH042	N		25		29	
MEH044	N		25		21	
MEH050	N		30		43	
MEH052	N		20		31	
MEH054	N		30		65	
MEH059	N		15		15	
MEH061	N		45		11	
MEH063	N		50		58	
MEH065	N		35		13	
MEH067	N		65		32	
MEH069	N		70		31	
MEH071	N		75		12	
MEH073	N		20		27	
MEH081	N		70		74	
MEH083	N		35		21	
MEH085	N		30		30	
MEH087	N		50		18	
MEH089	N		20		5	
MEH091	N		70		8	
MEH093	N		65		16	
MEH096	N		35		4	
MEH098	N		50		14	
MEH100	N		40		10	
MEH102	N		20		7	
MEH105	N		50		16	
MEH110	N		25		12	
MEH112	N		60		12	

Table 1--continued
pusch riuge sediments--continued

sample	LATITUDE	LONGITUD	ppm					S-AU (10)		
			S-FEZ (0.05)	S-MGX (0.02)	S-CAZ (0.05)	S-TIX (0.002)	S-MN (10)		S-AG (0.5)	S-AS (200)
MEH114	32 20 58	110 51 9	3.0	.70	1.5	.20	500	N	N	N
MEH117	32 21 43	110 51 38	3.0	.50	1.5	.20	500	N	N	N
MEH119	32 20 20	110 51 14	5.0	.70	2.0	.30	500	N	N	N
MEH121	32 20 17	110 51 47	3.0	.50	2.0	.20	2,000	N	N	N
MEH124	32 20 16	110 52 9	5.0	.30	1.5	.20	5,000	N	N	N
MEH126	32 20 24	110 54 13	5.0	.70	1.5	.20	700	N	N	N
MEH128	32 20 22	110 54 9	2.0	.50	1.5	.15	300	N	N	N
MEH130	32 20 16	110 52 38	3.0	.70	1.5	.30	700	N	N	N
MEH132	32 20 17	110 50 37	2.0	.50	1.5	.10	3,000	N	N	N
MEH136	32 21 25	110 56 57	2.0	.30	1.5	.10	1,500	N	N	N
MEH140	32 22 45	110 57 20	3.0	1.00	2.0	.20	1,000	N	N	N
MEH142	32 23 4	110 57 14	10.0	.70	2.0	.50	5,000	N	N	N
MEH144	32 23 1	110 57 15	10.0	.70	2.0	.70	5,000	N	N	N
MEH146	32 22 58	110 57 16	15.0	.70	2.0	.70	3,000	N	N	N
MEH148	32 23 17	110 56 30	>20.0	.50	2.0	1.00	>5,000	N	N	N
MEH150	32 27 6	110 51 26	10.0	2.00	5.0	>1.00	2,000	N	N	N
MEH152	32 27 9	110 51 29	>20.0	1.00	2.0	1.00	2,000	N	N	N
MEH154	32 27 48	110 50 17	15.0	1.50	3.0	1.00	1,000	N	N	N
MEH157	32 26 21	110 51 33	10.0	1.00	3.0	1.00	1,000	N	N	N
MEH162	32 26 2	110 50 59	10.0	1.00	3.0	.70	2,000	N	N	N
MEH164	32 26 7	110 50 59	15.0	1.50	5.0	1.00	2,000	N	N	N
MEH170	32 25 50	110 50 44	3.0	.20	2.0	.15	1,000	N	N	N
MEH173	32 24 24	110 50 2	3.0	.50	3.0	.15	1,000	N	N	N
MEH175	32 24 22	110 50 6	3.0	.50	3.0	.20	1,500	N	N	N
MEH177	32 24 27	110 50 29	5.0	.70	2.0	.30	1,000	N	N	N
MEH182	32 24 32	110 50 35	2.0	.50	3.0	.10	1,000	N	N	N
MEH187	32 25 10	110 52 34	7.0	.50	3.0	.20	2,000	N	N	N
JEK001	32 22 1	110 46 27	2.0	.70	3.0	.70	1,500	N	N	N
JEK003	32 22 15	110 47 10	5.0	1.00	3.0	.70	3,000	N	N	N
JEK005	32 23 8	110 47 30	3.0	.50	3.0	.50	1,000	N	N	N
JEK010	32 23 3	110 47 27	5.0	1.00	7.0	.70	3,000	N	N	N
JEK015	32 22 46	110 47 38	5.0	1.00	7.0	.70	5,000	N	N	N
JEK017	32 22 43	110 47 42	5.0	.50	3.0	.30	1,500	N	N	N
JEK019	32 24 15	110 48 3	2.0	.70	3.0	.20	1,000	N	N	N
JEK021	32 25 9	110 47 43	3.0	.70	3.0	.30	2,000	N	N	N
JEK023	32 25 8	110 47 40	5.0	1.00	5.0	.50	3,000	N	N	N
JEK028	32 25 17	110 47 33	5.0	1.00	5.0	1.00	5,000	N	N	N
JEK033	32 25 16	110 47 30	2.0	.50	3.0	.15	2,000	N	N	N
JEK035	32 23 8	110 43 58	3.0	.50	2.0	.20	5,000	N	N	N
JEK037	32 23 8	110 43 55	2.0	.50	1.0	.15	1,000	N	N	N
JEK039	32 23 19	110 43 56	2.0	.70	1.5	.20	2,000	N	N	N
JEK041	32 23 22	110 43 57	3.0	.70	2.0	.15	>5,000	N	N	N
JEK043	32 23 20	110 44 0	3.0	.50	2.0	.10	>5,000	N	N	N
JEK045	32 22 39	110 44 39	2.0	.70	2.0	.20	1,500	N	N	N
JEK047	32 22 36	110 44 37	2.0	.70	2.0	.15	5,000	N	N	N

ppm

Table 1--continued
pusch ridge sediments--continued

sample	S-B (10)	S-BA (20)	S-BE (1)	S-BI (10)	S-CD (20)	S-CO (5)	S-CR (10)	S-CU (5)	S-LA (20)	S-MO (5)	S-NB (20)
MEH114	10	1,500	1.5	N	N	5	15	20	100	N	N
MEH117	<10	1,000	1.0	N	N	N	N	30	30	N	N
MEH119	10	2,000	1.5	N	N	7	30	30	100	N	N
MEH121	10	1,000	1.5	N	N	5	20	20	200	N	<20
MEH124	10	1,000	1.0	N	N	5	15	15	20	N	N
MEH126	10	1,500	1.5	N	N	7	30	30	100	N	N
MEH128	<10	1,500	1.5	N	N	<5	20	15	20	N	N
MEH130	10	1,000	1.5	N	N	10	20	50	70	N	<20
MEH132	<10	700	1.5	N	N	N	15	20	50	N	N
MEH136	10	2,000	1.0	N	N	N	10	15	100	N	N
MEH140	<10	1,500	2.0	N	N	10	30	30	100	5	N
MEH142	<10	1,500	1.0	N	N	15	70	20	100	N	<20
MEH144	15	1,500	1.0	N	N	15	100	30	100	N	20
MEH146	15	1,500	1.0	N	N	15	70	30	150	N	<20
MEH148	N	300	N	N	N	50	200	20	150	N	<20
MEH150	10	700	1.5	N	N	20	150	50	150	5	70
MEH152	N	300	1.0	N	N	30	500	50	200	N	30
MEH154	10	700	1.5	N	N	20	150	50	200	N	20
MEH157	<10	700	1.5	N	N	15	70	30	100	N	50
MEH162	15	1,000	1.5	N	N	15	100	30	200	N	<20
MEH164	20	500	2.0	N	N	20	200	50	500	N	50
MEH170	<10	2,000	1.0	N	N	N	10	10	N	7	N
MEH173	<10	2,000	1.5	N	N	<5	20	50	20	N	N
MEH175	<10	3,000	1.5	N	N	5	15	20	150	N	N
MEH177	10	1,500	1.5	N	N	7	30	50	300	5	N
MEH182	<10	2,000	1.5	N	N	N	30	50	30	N	N
MEH187	<10	2,000	1.0	N	N	5	15	100	150	N	N
JEK001	<10	1,000	1.5	N	N	7	20	50	20	<5	N
JEK003	10	1,000	1.5	N	N	15	50	50	200	N	<20
JEK005	<10	2,000	1.5	N	N	5	30	50	150	7	N
JEK010	<10	700	5.0	N	N	10	50	30	100	N	100
JEK015	10	700	5.0	N	N	10	50	30	150	N	70
JEK017	<10	2,000	1.0	N	N	5	30	20	100	N	N
JEK019	<10	1,500	1.5	N	N	5	15	30	50	5	N
JEK021	<10	1,000	1.5	N	N	7	50	50	70	N	N
JEK023	15	700	2.0	N	N	15	30	20	30	N	N
JEK028	<10	700	2.0	N	N	15	30	50	N	5	30
JEK033	<10	700	2.0	N	N	5	15	50	N	N	N
JEK035	<10	700	1.5	N	N	5	30	50	150	7	N
JLK037	<10	500	3.0	N	N	5	20	50	N	5	N
JEK039	10	700	2.0	N	N	10	30	70	100	7	<20
JEK041	<10	700	2.0	N	N	7	30	30	70	15	<20
JEK043	<10	700	2.0	N	N	5	15	30	20	10	<20
JLK045	<10	1,000	1.5	N	N	5	30	50	20	10	<20
JEK047	<10	1,000	2.0	N	N	5	20	50	150	10	<20

Table 1--continued

pusch ridge sediments--continued

sample	S-NI (5)	S-Pb (10)	S-Sb (100)	S-Sc (5)	S-Sn (10)	S-Sr (100)	S-V (10)	S-W (50)	S-Y (10)	S-Zn (200)	S-Zr (10)
MEH114	5	50	N	5	N	500	50	N	50	N	300
MEH117	4	70	N	N	N	300	50	N	15	N	100
MEH119	10	50	N	7	N	300	50	N	100	N	200
MEH121	5	70	N	7	N	200	30	N	100	N	200
MEH124	<5	50	N	7	N	300	50	N	70	N	100
MEH126	15	50	N	7	N	300	70	N	30	N	150
MEH128	5	50	N	5	N	300	30	N	20	N	200
MEH130	15	70	N	10	N	200	50	N	100	N	200
MEH132	N	50	N	10	N	200	30	N	70	N	300
MEH136	<5	100	N	5	N	300	30	<50	50	N	100
MEH140	15	100	N	7	N	300	70	N	50	N	150
MEH142	15	70	N	7	N	500	200	N	100	N	300
MEH144	10	70	N	10	N	500	200	N	150	N	500
MEH146	10	70	N	7	N	500	200	N	150	N	1,000
MEH146	20	50	N	10	N	150	500	N	200	N	1,000
MEH150	20	30	N	20	N	500	300	N	200	N	>1,000
MEH152	50	20	N	10	N	200	500	N	200	N	>1,000
MEH154	50	20	N	20	N	500	300	N	200	N	>1,000
MEH157	15	30	N	10	N	500	200	N	100	N	>1,000
MEH162	15	50	N	10	N	500	200	N	100	N	200
MEH164	30	30	N	20	N	300	300	N	150	N	>1,000
MEH170	N	50	N	5	N	500	30	N	50	N	70
MEH173	7	50	N	<5	N	500	50	N	30	N	100
MEH175	15	50	N	5	N	700	50	N	50	N	100
MEH177	15	70	N	10	N	300	70	N	500	N	300
MEH182	7	70	N	5	20	700	20	N	20	N	50
MEH187	5	70	N	10	N	500	70	N	500	N	500
JEK001	7	70	N	7	N	300	50	N	100	N	200
JEK003	20	70	N	20	N	300	100	N	500	N	700
JEN005	7	50	N	7	N	500	70	N	70	N	200
JEK010	10	30	N	30	N	700	200	N	50	N	300
JEK015	10	20	N	20	<10	700	150	N	100	N	300
JEK017	5	50	N	5	N	700	50	N	300	N	500
JEK019	10	50	N	5	15	500	20	N	30	N	100
JEK021	20	50	N	7	10	500	100	N	50	N	200
JEK023	15	30	N	15	N	500	150	N	50	N	150
JEK028	15	30	N	15	N	500	150	N	50	N	200
JEK033	10	50	N	5	N	300	50	N	30	N	150
JEK035	20	50	N	5	N	200	50	N	700	N	200
JEK037	7	50	N	<5	N	150	50	N	20	N	70
JEK039	15	70	N	7	N	200	50	N	50	N	200
JEK041	15	70	N	7	N	300	50	N	70	N	150
JEK045	10	50	N	5	N	300	30	N	100	N	100
JEK045	15	70	N	5	10	500	50	N	50	N	150
JEK047	7	50	N	5	N	500	50	N	70	N	100

sample	ppm		ppb	
	S-TH (100)	AA-ZN (5)	INST-HG (2)	
MEH114	N	25	29	
MEH117	N	15	12	
MEH119	N	15	23	
MEH121	<100	25	8	
MEH124	N	20	11	
MEH126	N	25	11	
MEH128	N	30	4	
MEH130	N	55	23	
MEH132	N	15	6	
MEH136	N	30	9	
MEH140	N	55	8	
MEH142	N	15	9	
MEH144	N	20	5	
MEH146	N	25	5	
MEH148	<100	20	3	
MEH150	N	45	11	
MEH152	N	25	13	
MEH154	N	35	10	
MEH157	N	25	4	
MEH162	N	20	21	
MEH164	N	35	8	
MEH170	N	15	28	
MEH173	N	25	30	
MEH175	N	20	12	
MEH177	<100	40	65	
MEH182	N	30	56	
MEH187	N	25	28	
JEK001	N	20	19	
JEK003	<100	35	14	
JEK005	N	25	25	
JEK010	N	35	10	
JEK015	N	30	8	
JEK017	N	30	20	
JEK019	N	30	79	
JEK021	N	30	66	
JEK023	N	15	44	
JEK028	N	25	78	
JEK033	N	20	53	
JEK035	N	20	71	
JEK037	N	25	63	
JEK039	N	35	91	
JEK041	N	20	82	
JEK043	N	20	85	
JEK045	N	25	84	
JLK047	N	20	82	

Table 1--continued

pusch ridge sediments--continued

sample	LATITUDE	LONGITUD	S-FEZ (0.05)	S-MGZ (0.02)	S-CAZ (0.05)	S-TIX (0.002)	S-MN (10)	ppm			S-AU (10)
								S-AG (0.5)	S-AS (200)	S-AU (10)	
JEK052	32 21 45	110 45 24	3.0	.70	2.0	.20	5,000	N	N	N	N
JEK054	32 21 56	110 46 5	3.0	1.00	2.0	.30	1,500	N	N	N	N
JEK056	32 23 4	110 43 15	3.0	.70	2.0	.30	5,000	N	N	N	N
JEK058	32 23 4	110 43 19	3.0	.70	2.0	.30	2,000	N	N	N	N
JEK060	32 21 56	110 45 17	2.0	.50	2.0	.10	3,000	N	N	N	N
JEK065	32 20 59	110 44 47	3.0	.50	2.0	.30	5,000	N	N	N	N
JEK067	32 21 2	110 44 31	3.0	.50	2.0	.20	3,000	N	N	N	N
JEK069	32 21 15	110 44 1	3.0	.70	3.0	.30	2,000	N	N	N	N
JEK074	32 21 11	110 44 1	5.0	.30	3.0	.30	3,000	N	N	N	N
JEK076	32 21 17	110 44 7	5.0	.50	2.0	.30	3,000	N	N	N	N
JEK078	32 22 16	110 43 17	3.0	.50	2.0	.20	2,000	N	N	N	N
JEK080	32 22 15	110 43 13	1.0	.30	1.5	.10	1,000	N	N	N	N
JEK082	32 22 47	110 42 28	2.0	.20	2.0	.10	1,500	N	N	N	N
JEK084	32 22 49	110 42 31	2.0	.30	1.5	.50	3,000	N	N	N	N
JEK087	32 19 27	110 48 51	5.0	.70	3.0	.70	2,000	N	N	N	N
JEK089	32 19 27	110 48 47	>20.0	.50	3.0	1.00	3,000	N	N	N	N
JEK091	32 20 24	110 47 33	7.0	1.00	3.0	1.00	1,000	N	N	N	N
JEK093	32 19 22	110 48 30	5.0	1.00	5.0	.50	2,000	N	N	N	N
JEK095	32 20 52	110 46 55	3.0	.70	3.0	.30	500	N	N	N	N
JEK097	32 20 54	110 46 51	5.0	1.00	5.0	1.00	3,000	N	N	N	N
JEK103	32 20 12	110 48 21	3.0	.70	3.0	.50	2,000	N	N	N	N
JEK105	32 20 12	110 48 16	3.0	.50	2.0	1.00	1,500	N	N	N	N
JEK107	32 20 59	110 48 2	3.0	.50	2.0	.30	2,000	N	N	N	N
JEK109	32 20 52	110 48 57	2.0	.70	2.0	.20	1,000	N	N	N	N
JEK111	32 20 53	110 49 2	3.0	.70	2.0	.50	1,500	N	N	N	N
JEK113	32 19 42	110 49 22	3.0	1.00	2.0	.50	1,500	N	N	N	N
JEK116	32 21 7	110 54 1	3.0	.70	2.0	.30	500	N	N	N	N
JEK120	32 21 7	110 54 6	2.0	.50	2.0	.30	500	N	N	N	N
JEK122	32 22 33	110 54 6	3.0	1.00	3.0	.50	700	N	N	N	N
JEK125	32 22 35	110 54 9	2.0	.70	2.0	.30	700	N	N	N	N
JEK127 ¹	32 22 4	110 54 35	3.0	1.00	3.0	.70	700	N	N	N	N
JEK129	32 21 59	110 54 54	2.0	.70	2.0	.20	500	N	N	N	N
JEK131	32 21 40	110 55 26	2.0	.70	1.5	.20	1,000	N	N	N	N
JEK133	32 21 44	110 55 38	5.0	1.00	3.0	1.00	1,000	N	N	N	N
JEK135	32 21 12	110 56 21	2.0	.50	3.0	.30	700	N	N	N	N
JEK137	32 23 26	110 55 47	5.0	2.00	3.0	.50	1,000	N	N	N	N
JEK139	32 23 34	110 55 34	5.0	1.00	3.0	.50	1,500	N	N	N	N
JEK141	32 20 0	110 53 15	2.0	.50	2.0	.20	1,500	N	N	N	N
JEK143	32 22 13	110 57 49	3.0	.70	2.0	.30	500	N	N	N	N
JEK145	32 24 7	110 54 59	5.0	1.50	5.0	.70	1,000	N	N	N	N
JEK150	32 23 39	110 54 31	5.0	1.00	3.0	.50	2,000	N	N	N	N
JEK152	32 23 40	110 54 27	5.0	1.50	3.0	.50	1,000	N	N	N	N
JEK154	32 23 56	110 54 5	5.0	2.00	3.0	1.00	1,500	N	N	N	N
JEK156	32 24 0	110 54 3	5.0	1.00	3.0	.50	1,000	N	N	N	N
JEK158	32 25 22	110 53 46	10.0	.50	2.0	.70	2,000	N	N	N	N

Table 1--continued
pusch ridge sediments--continued

ppm

sample	S-B (10)	S-BA (20)	S-BE (1)	S-BI (10)	S-CD (20)	S-CO (5)	S-CR (10)	S-CU (5)	S-LA (20)	S-MO (5)	S-NB (20)
JEK052	<10	1,500	1.5	N	N	5	30	50	30	N	<20
JEK054	<10	1,500	1.5	N	N	10	70	50	30	N	<20
JEK056	10	1,000	1.5	N	N	7	20	100	200	7	<20
JEK058	10	1,000	2.0	N	N	7	30	150	20	20	<20
JEK060	<10	1,000	2.0	N	N	N	10	15	100	N	N
JEK065	<10	1,500	2.0	N	N	5	20	20	70	N	N
JEK067	<10	1,500	1.5	N	N	5	15	20	70	<5	N
JEK069	<10	1,500	1.5	N	N	5	30	20	300	N	N
JEK074	<10	1,500	1.0	N	N	5	15	10	700	N	N
JEK076	10	2,000	1.0	N	N	5	20	70	500	<5	N
JEK078	10	1,500	1.5	N	N	5	20	30	150	15	N
JEK080	<10	700	1.5	N	N	N	15	10	500	N	N
JEK082	<10	1,000	2.0	N	N	N	15	10	70	N	N
JEK084	<10	700	1.5	N	N	N	15	20	100	7	N
JEK087	<10	1,500	1.0	N	N	7	30	20	100	N	N
JEK089	<10	1,500	N	N	N	20	70	50	100	N	N
JEK091	10	1,500	1.5	N	N	10	30	50	70	N	<20
JEK093	<10	1,500	2.0	N	N	15	50	70	70	7	<20
JLK095	<10	1,500	1.0	N	N	5	20	15	100	N	N
JEK097	10	1,000	2.0	N	N	10	50	20	200	N	<20
JEK103	<10	1,000	1.5	N	N	5	15	30	150	N	N
JEK105	15	1,500	1.0	N	N	15	30	30	150	N	<20
JEK107	<10	1,000	1.5	N	N	10	20	30	200	N	<20
JEK109	10	700	1.5	N	N	10	30	30	50	<5	<20
JEK111	<10	1,500	1.0	N	N	10	30	30	50	<5	<20
JEK113	10	1,000	1.5	N	N	15	30	30	200	N	<20
JEK118	10	1,500	1.5	N	N	10	50	50	70	5	<20
JEK120	<10	2,000	1.5	N	N	10	30	20	70	5	N
JEK122	10	1,500	1.5	N	N	10	50	50	70	5	N
JEK125	10	1,500	1.5	N	N	7	30	50	70	N	<20
JEK127	<10	1,500	1.5	N	N	15	70	30	200	N	<20
JEK129	<10	2,000	1.0	N	N	10	30	20	50	15	N
JEK131	10	1,500	1.5	N	N	10	50	50	100	5	20
JEK133	10	2,000	1.5	N	N	15	150	30	500	N	20
JEK135	<10	2,000	1.0	N	N	7	30	15	70	N	<20
JEK137	10	1,000	1.0	N	N	20	70	70	100	N	<20
JEK139	10	1,000	1.0	N	N	15	50	30	50	N	<20
JEK141	10	1,000	1.5	N	N	7	20	50	50	N	<20
JEK143	10	2,000	1.5	N	N	10	50	50	200	N	<20
JEK145	10	1,500	1.0	N	N	20	100	20	100	N	<20
JEK150	10	1,000	1.0	N	N	15	100	50	100	N	<20
JEK152	10	1,000	1.0	N	N	20	100	50	200	N	<20
JEK154	10	1,000	1.5	N	N	20	70	20	200	N	20
JEK156	<10	1,500	1.5	N	N	15	70	50	100	N	<20
JLK158	10	2,000	1.0	N	N	15	150	30	200	N	<20

Table 1--continued
pusch ridge sediments--continued
ppm

sample	S-NI (5)	S-SPH (10)	S-SB (100)	S-SC (5)	S-SN (10)	S-SR (100)	S-SV (10)	S-W (50)	S-Y (10)	S-ZN (200)	S-ZR (10)
JEK052	10	70	N	7	N	500	50	N	50	N	150
JEK054	20	50	N	7	N	500	70	N	100	N	200
JEK056	10	50	N	7	N	300	50	N	70	N	200
JEK058	10	50	N	7	N	300	50	N	30	N	150
JEK060	<5	50	N	<5	N	300	20	N	20	N	100
JEK065	7	50	N	7	N	300	50	N	200	N	150
JEK067	7	50	N	7	N	700	50	N	1,500	N	150
JEK069	5	70	N	7	N	500	50	N	150	N	200
JEK074	N	70	N	7	N	700	50	N	150	N	500
JEK076	5	50	N	7	N	500	50	N	100	N	200
JEK078	7	70	N	7	N	500	50	N	150	N	200
JEK080	N	50	N	N	N	300	15	N	100	N	100
JEK082	N	70	N	N	N	500	20	N	20	N	50
JEK084	7	50	N	N	N	200	20	N	50	N	50
JEK087	7	50	N	10	N	500	100	N	150	N	>1,000
JEK089	N	50	N	20	N	500	300	N	200	N	>1,000
JEK091	10	50	N	15	N	500	150	N	70	N	>1,000
JEK093	15	50	N	20	N	500	150	N	50	N	300
JEK095	7	50	N	5	N	500	50	N	50	N	200
JEK097	10	20	N	20	N	700	150	N	100	N	500
JEK105	18	50	N	20	N	300	150	N	180	N	1,800
JEK107	10	50	N	15	N	300	70	N	200	N	300
JEK109	15	50	N	10	N	200	50	N	70	N	500
JEK111	10	50	N	10	N	500	70	N	50	N	700
JEK113	15	50	N	20	N	300	100	N	70	N	200
JEK118	15	70	N	15	N	500	70	N	50	N	200
JEK120	7	70	N	7	N	500	50	N	20	N	200
JEK122	15	50	N	15	N	500	100	N	50	N	200
JEK125	7	50	N	10	N	300	50	N	30	N	200
JEK127	15	50	N	20	N	500	100	N	100	N	150
JEK129	10	50	N	10	N	500	50	N	50	N	200
JEK131	10	70	N	10	N	300	50	N	30	N	200
JEK133	15	70	N	20	N	500	100	N	100	N	500
JEK135	7	70	N	10	N	700	70	N	100	N	300
JEK137	20	50	N	20	N	500	150	N	70	N	500
JEK139	15	50	N	15	N	300	100	N	100	N	500
JEK141	7	70	N	7	N	200	50	N	50	N	150
JEK143	15	70	N	10	N	500	50	N	50	N	300
JEK145	20	50	N	20	N	500	150	N	70	N	300
JEK150	20	50	N	20	N	300	150	N	50	N	300
JEK152	20	50	N	20	N	500	100	N	50	N	200
JEK154	20	50	N	30	N	500	150	N	100	N	700
JEK156	20	50	N	15	N	700	100	N	200	N	200
JEK158	15	50	N	15	N	500	150	N	70	N	300

Table 1--continued
pusch ridge sediments--continued

sample	ppm		ppb	
	S-TH (100)	AA-ZN (5)	INST-HG (2)	
JEK052	N	20	54	
JEK054	N	35	37	
JEK056	<100	75	116	
JEK058	N	50	84	
JEK060	N	35	37	
JEK065	N	50	40	
JEK067	N	65	31	
JEK069	<100	75	10	
JEK074	100	25	12	
JEK076	<100	35	30	
JEK078	N	40	56	
JEK080	100	15	16	
JEK082	N	20	19	
JEK084	N	15	16	
JEK087	N	30	5	
JEK089	N	30	8	
JEK091	N	70	16	
JEK093	N	50	24	
JEK095	N	40	10	
JEK097	<100	35	4	
JEK103	N	35	7	
JEK105	N	45	15	
JEK107	<100	35	18	
JEK109	N	30	22	
JEK111	N	35	28	
JEK113	N	70	15	
JEK118	N	45	53	
JEK120	N	40	17	
JEK122	N	50	50	
JEK125	N	40	21	
JEK127	N	45	18	
JEK129	N	40	12	
JEK131	N	45	26	
JEK133	<100	65	16	
JEK135	N	25	8	
JEK137	N	65	17	
JEK139	N	45	31	
JEK141	N	35	23	
JEK143	<100	65	24	
JEK145	N	40	10	
JEK150	N	40	38	
JEK152	N	65	30	
JEK154	N	40	17	
JEK156	N	30	17	
JEK158	N	25	16	

pusch ridge sediments--continued

ppm

sample	LATITUDE	LONGITUDE	S-FEX (0.05)	S-MGZ (0.02)	S-CAZ (0.05)	S-TIX (0.002)	S-MN (10)	S-AG (0.5)	S-AS (200)	S-AU (10)
JEK160	32 25 58	110 53 29	5.0	.70	2.0	.70	2,000	N	N	N
JEK162	32 25 53	110 53 31	5.0	.50	2.0	.20	3,000	N	N	N
JEK164	32 25 47	110 53 34	5.0	.50	2.0	.70	5,000	N	N	N
JEK166	32 23 41	110 52 6	2.0	.50	2.0	.10	500	N	N	N
JEK168	32 23 45	110 52 6	2.0	.50	2.0	.15	1,000	N	N	N
JEK170	32 23 44	110 52 12	2.0	.50	2.0	.20	1,500	N	N	N
JEK172	32 24 53	110 53 0	5.0	1.50	2.0	.50	1,000	N	N	N
JEK174	32 24 54	110 52 56	3.0	.50	2.0	.20	1,500	N	N	N

Pusch ridge sediments--continued

PPM

sample	S-NI (5)	S-PB (10)	S-SB (100)	S-SC (5)	S-SN (10)	S-SR (100)	S-V (10)	S-W (50)	S-Y (10)	S-ZN (200)	S-ZR (10)
JEK160	10	50	N	15	N	300	100	N	70	N	200
JEK162	10	50	N	10	N	500	50	N	100	N	200
JEK164	10	70	N	15	N	500	100	N	200	N	300
JEK166	7	70	N	5	<10	500	50	N	15	N	100
JEK168	7	70	N	5	15	500	30	N	20	N	100
JEK170	10	50	N	7	N	700	50	N	50	N	200
JEK172	50	50	N	20	50	300	100	N	100	N	300
JEK174	10	50	N	10	<10	700	70	N	150	N	300

Table 1--continued
pusch ridge sediments--continued

ppm

sample	S-B (10)	S-BA (20)	S-BE (1)	S-BI (10)	S-CD (20)	S-CO (5)	S-CR (10)	S-CU (5)	S-LA (20)	S-MO (5)	S-NB (20)
JEK160	<10	1,000	2.0	N	N	10	70	70	100	N	<20
JEK162	<10	1,500	1.0	N	N	7	20	30	200	N	N
JEK164	10	1,500	1.0	N	N	7	70	50	50	N	20
JEK166	<10	2,000	1.0	N	N	5	20	15	N	N	N
JEK168	<10	2,000	1.0	N	N	5	20	20	70	N	N
JEK170	<10	2,000	1.5	N	N	10	20	30	50	N	N
JEK172	15	1,000	1.5	N	N	20	150	150	50	10	<20
JEK174	<10	1,500	1.5	N	N	5	30	30	50	N	<20

pusch ridge sediments--continued

sample	ppm		ppb	
	S-TH (100)	AA-ZN (5)	INST-HG (2)	
JEK160	N	65	10	
JEK162	N	20	14	
JEK164	N	20	13	
JEK166	N	20	12	
JEK168	N	25	16	
JEK170	N	25	29	
JEK172	N	70	211	
JEK174	N	45	43	

Table 1--continued
pusch ridge concentrates

sample	LATITUDE	LONGITUD	S-FF% (0.1)	S-MG% (0.05)	S-CA% (0.1)	S-TiX (0.005)	PPM				
							S-MN (20)	S-AG (1)	S-AS (500)	S-AU (20)	
MEH002	52 20 16	110 54 31	5.0	.20	7.0	1.0	3,000	N	N	N	N
MEH007	52 23 34	110 49 39	5.0	.50	10.0	.5	5,000	N	N	N	N
MEH009	52 23 13	110 49 0	15.0	.50	5.0	.5	>10,000	N	N	N	N
MEH011	52 22 58	110 48 46	1.0	.10	7.0	1.0	2,000	N	N	N	N
MEH013	52 22 51	110 48 23	1.5	.15	10.0	.2	1,500	N	N	N	N
MEH015	52 22 37	110 46 14	2.0	.30	15.0	.5	3,000	N	N	N	N
MEH017	52 25 22	110 45 2	3.0	.30	10.0	>2.0	1,000	N	N	N	N
MEH019	52 25 24	110 45 7	3.0	.30	10.0	>2.0	1,000	N	N	N	N
MEH022	52 24 47	110 45 40	.5	.10	15.0	.3	5,000	N	N	N	N
MEH023	52 24 0	110 46 57	1.5	.15	20.0	.2	5,000	N	N	N	N
MEH025	52 24 25	110 45 58	2.0	.30	10.0	>2.0	1,000	N	N	N	N
MEH027	52 24 26	110 46 3	1.0	.20	20.0	.5	2,000	N	N	N	N
MEH029	52 23 9	110 45 59	1.5	.15	10.0	2.0	2,000	N	N	N	N
MEH032	52 22 25	110 46 0	2.0	.15	10.0	1.5	3,000	N	N	N	N
MEH034	52 22 24	110 45 56	7.0	.50	7.0	.7	>10,000	N	N	N	N
MEH036	52 23 35	110 44 43	5.0	.50	7.0	.7	3,000	N	N	N	N
MEH038	52 23 37	110 44 23	3.0	.30	7.0	.7	1,500	N	N	N	N
MEH040	52 23 4	110 46 18	10.0	1.50	7.0	1.0	>10,000	N	N	N	N
MEH043	52 22 38	110 45 35	2.0	.30	10.0	>2.0	2,000	N	N	N	N
MEH045	52 21 54	110 46 19	1.0	.10	20.0	.7	1,500	N	N	N	N
MEH051	52 24 36	110 51 17	20.0	.30	5.0	>2.0	>10,000	N	N	N	N
MEH053	52 24 25	110 51 6	2.0	.20	10.0	>2.0	2,000	N	N	N	N
MEH055	52 24 19	110 51 14	1.0	.20	15.0	1.0	3,000	N	N	N	N
MEH060	52 24 18	110 51 17	2.0	.15	15.0	.5	10,000	N	N	N	N
MEH062	52 27 0	110 51 9	1.5	.10	7.0	>2.0	1,000	N	N	N	N
MEH064	52 18 45	110 44 27	.3	.10	15.0	1.0	1,000	N	N	N	N
MEH066	52 18 42	110 43 38	.7	.10	20.0	2.0	1,000	N	N	N	N
MEH068	52 18 43	110 43 11	.5	.10	20.0	2.0	1,000	N	N	N	N
MEH070	52 19 37	110 42 14	1.0	.20	10.0	2.0	1,000	N	N	N	N
MEH072	52 20 10	110 42 3	1.0	.15	30.0	1.0	1,500	N	N	N	N
MEH074	52 20 14	110 41 20	3.0	.30	10.0	2.0	1,500	N	N	N	N
MEH082	52 21 16	110 43 17	5.0	.30	15.0	1.0	10,000	N	N	N	N
MEH084	52 20 33	110 45 46	5.0	.20	20.0	1.5	2,000	N	N	N	N
MEH086	52 20 26	110 45 42	1.5	.10	10.0	.5	700	N	N	N	N
MEH088	52 19 53	110 44 57	.5	.10	30.0	.5	1,500	N	N	N	N
MEH090	52 19 47	110 46 18	10.0	.20	10.0	.7	>10,000	N	N	N	N
MEH092	52 19 35	110 46 10	1.0	.10	20.0	2.0	1,500	N	N	N	N
MEH094	52 18 34	110 46 52	3.0	.15	15.0	2.0	1,000	N	N	N	N
MEH097	52 18 34	110 45 44	1.0	.20	10.0	2.0	1,000	N	N	N	N
MEH099	52 18 33	110 46 16	2.0	.20	15.0	1.5	1,500	N	N	N	N
MEH101	52 18 46	110 47 48	3.0	.10	15.0	1.5	1,500	N	N	N	N
MEH103	52 20 17	110 49 45	2.0	.10	15.0	1.5	3,000	N	N	N	N
MEH106	52 21 59	110 49 53	1.0	.10	10.0	1.0	2,000	N	N	N	N
MEH111	52 21 59	110 49 57	1.0	.10	15.0	2.0	2,000	N	N	N	N
MEH113	52 20 59	110 51 14	1.0	.15	10.0	2.0	2,000	N	N	N	N

Table 1--continued
pusch ridge concentrates
ppm

Sample	S-B (20)	S-BA (50)	S-BE (2)	S-BI (20)	S-CD (50)	S-CO (10)	S-CR (20)	S-CU (10)	S-LA (50)	S-MO (10)	S-NB (50)
MEH002	<20	700	N	N	N	10	70	20	2,000	N	150
MEH007	<20	500	N	N	N	15	70	30	>2,000	N	50
MEH009	<20	300	N	N	N	10	20	10	500	N	50
MEH011	<20	700	N	N	N	10	30	30	>2,000	N	50
MEH013	<20	1,000	N	N	N	N	20	10	300	N	N
MEH015	N	700	N	<20	N	N	<20	50	1,000	N	50
MEH017	<20	150	30	20	N	10	50	20	50	10	150
MEH019	20	150	20	<20	N	10	50	100	500	20	150
MEH022	<20	300	N	N	N	10	<20	10	2,000	N	N
MEH023	<20	300	N	N	N	N	<20	<10	2,000	N	N
MEH025	<20	100	20	30	N	10	50	50	300	15	150
MEH027	<20	200	2	N	N	N	<20	10	1,500	N	70
MEH029	<20	150	2	N	N	N	20	10	1,000	N	150
MEH032	<20	200	5	N	N	N	30	10	700	N	500
MEH034	70	700	2	200	N	20	50	50	1,000	N	100
MEH036	20	700	20	300	N	10	50	20	1,000	N	200
MEH038	50	700	7	N	N	N	20	200	300	N	100
MEH040	20	100	N	<20	N	50	100	50	1,000	<10	100
MEH043	<20	700	N	N	N	N	100	300	1,500	N	300
MEH045	<20	300	N	N	N	N	30	10	500	N	100
MEH051	50	300	N	N	N	30	1,500	70	1,000	N	50
MEH053	<20	200	15	N	N	10	30	10	2,000	N	200
MEH055	<20	500	N	N	N	30	<20	<10	>2,000	N	<50
MEH060	<20	1,500	N	N	N	N	50	10	1,500	N	50
MEH062	<20	50	N	N	N	10	30	<10	1,500	20	500
MEH064	<20	300	N	N	N	N	20	15	300	N	70
MEH066	<20	100	N	N	N	N	<10	<10	100	N	150
MEH068	<20	150	N	N	N	N	30	10	100	N	100
MEH070	<20	300	N	N	N	N	30	15	150	N	100
MEH072	<20	700	N	N	N	N	10	10	700	N	N
MEH074	30	500	10	N	N	10	30	30	500	N	100
MEH082	<20	500	N	N	N	N	30	<10	500	N	<50
MEH084	<20	200	N	N	N	N	150	10	700	N	70
MEH086	<20	1,000	N	N	N	N	<20	10	500	N	100
MEH088	<20	100	N	N	N	N	<20	15	150	N	N
MEH090	<20	100	N	N	N	N	20	<10	1,000	N	<50
MEH092	<20	100	N	N	N	N	30	10	100	N	150
MEH094	<20	100	N	N	N	N	50	20	200	N	150
MEH097	<20	100	N	N	N	10	50	20	100	N	70
MEH099	<20	150	N	N	N	N	70	15	500	N	100
MEH101	<20	300	N	N	N	N	30	15	100	N	100
MEH103	<20	200	N	N	N	N	30	10	1,500	N	150
MEH106	<20	700	N	N	N	N	20	10	700	N	100
MEH111	<20	200	N	N	N	N	30	<10	1,000	20	150
MEH113	<20	700	N	N	N	N	30	50	700	15	150

pusch ridge concentrates
ppm

sample	S-NI (10)	S-PB (20)	S-SB (200)	S-SC (10)	S-SN (20)	S-SR (200)	S-SV (20)	S-SW (100)	S-SY (20)	S-ZN (500)	S-ZR (20)
MEH002	N	70	N	20	N	200	100	N	1,000	N	>2,000
MEH007	20	50	N	30	N	<200	100	N	2,000	N	>2,000
MEH009	N	20	N	50	50	N	100	N	1,000	N	>2,000
MEH011	N	30	N	50	N	<200	50	N	1,500	N	>2,000
MEH013	N	20	N	10	N	300	30	N	500	N	>2,000
MEH015	N	20	N	30	N	200	50	N	1,000	N	>2,000
MEH017	N	<20	N	15	N	200	150	N	200	1,000	2,000
MEH019	N	30	N	15	70	200	200	100	300	<500	500
MEH022	N	30	N	30	N	200	30	N	1,500	N	2,000
MEH023	N	70	N	30	N	200	30	N	2,000	N	>2,000
MEH025	N	<20	N	10	50	<200	200	100	200	N	1,500
MEH027	N	70	N	10	N	300	50	N	1,500	N	2,000
MEH029	N	20	N	10	N	<200	70	N	700	7,000	>2,000
MEH032	N	50	N	10	N	<200	100	N	700	3,000	>2,000
MEH034	10	50	N	30	20	500	100	N	700	700	2,000
MEH036	N	50	N	20	N	200	70	N	300	1,000	>2,000
MEH038	N	30	N	10	N	200	70	N	200	N	>2,000
MEH040	20	20	N	70	N	<200	150	100	1,000	N	2,000
MEH043	N	N	N	30	N	<200	200	N	700	N	>2,000
MEH045	N	30	N	15	N	300	70	N	1,500	N	>2,000
MEH051	20	<20	N	30	50	N	100	N	500	N	2,000
MEH053	N	<20	N	10	70	<200	100	N	1,000	N	>2,000
MEH055	N	N	N	30	N	N	200	N	1,000	N	>2,000
MEH060	N	<20	N	20	N	200	20	N	1,500	N	>2,000
MEH062	N	N	N	15	100	N	150	N	700	N	>2,000
MEH064	N	300	N	30	30	200	100	N	1,000	N	>2,000
MEH066	N	<20	N	20	20	<200	100	N	1,000	N	>2,000
MEH068	N	<20	N	50	<20	<200	100	N	1,000	N	>2,000
MEH070	N	<20	N	30	N	200	150	N	700	N	>2,000
MEH072	N	50	N	20	N	500	70	N	1,500	N	>2,000
MEH074	N	150	N	50	50	<200	100	N	700	1,000	>2,000
MEH082	N	20	N	30	N	300	100	N	1,000	N	>2,000
MEH084	N	20	N	70	20	300	150	N	1,000	N	>2,000
MEH086	N	20	N	15	N	300	30	N	700	N	>2,000
MEH088	N	N	N	10	N	300	50	N	1,500	N	>2,000
MEH090	N	N	N	30	N	<200	100	N	1,000	N	>2,000
MEH092	N	20	N	20	<20	<200	150	N	1,000	N	>2,000
MEH094	N	20	N	30	N	300	150	N	1,000	N	>2,000
MEH097	N	N	N	20	N	<200	150	N	700	N	>2,000
MEH099	N	<20	N	50	N	200	100	N	1,000	N	>2,000
MEH101	N	20	N	30	<20	300	100	N	1,000	N	>2,000
MEH103	N	<20	N	30	<20	200	100	N	1,000	N	>2,000
MEH106	N	20	N	30	N	<200	70	N	1,500	N	>2,000
MEH111	N	<20	N	20	20	<200	150	N	1,500	N	>2,000
MEH113	N	30	N	30	100	200	150	N	700	N	>2,000

Table 1--continued

pusch ridge concentrates

sample	ppm	
	S-TH (200)	AA-ZN (5)
MEH002	700	70.0
MEH007	1,500	--
MEH009	N	--
MEH011	1,000	--
MEH015	N	--
MEH015	200	--
MEH017	N	40.0
MEH019	N	55.0
MEH022	700	--
MEH023	500	--
MEH025	N	40.0
MEH027	300	--
MEH029	200	60.0
MEH032	N	--
MEH034	200	60.0
MEH036	200	40.0
MEH038	N	--
MEH040	300	55.0
MEH043	700	--
MEH045	<200	20.0
MEH051	700	--
MEH053	500	--
MEH055	2,000	--
MEH060	500	--
MEH062	500	45.0
MEH064	N	15.0
MEH066	N	10.0
MEH068	N	15.0
MEH070	N	15.0
MEH072	N	--
MEH074	200	640.0
MEH082	<200	--
MEH084	200	--
MEH086	<200	--
MEH088	N	--
MEH090	200	10.0
MEH092	N	10.0
MEH094	N	50.0
MEH097	N	20.0
MEH099	N	5.0
MEH101	N	20.0
MEH103	500	10.0
MEH106	300	10.0
MEH111	200	--
MEH113	<200	10.0

Table 1--continued
 pusch ridge concentrates--continued

sample	LATITUDE	LONGITUD	S-FEZ (0.1)	S-MG% (0.05)	S-CAZ (0.1)	S-TIX (0.005)	S-MN (20)	S-AG (1)	PPM		
									S-AS (500)	S-AU (20)	
MEH115	32 20 58	110 51 9	1.0	.10	10.0	1.0	2,000	N	N	N	N
MEH118	32 21 43	110 51 38	.7	.07	10.0	2.0	2,000	N	N	N	N
MEH120	32 20 20	110 51 14	.7	.10	15.0	2.0	2,000	N	N	N	N
MEH122	32 20 17	110 51 47	2.0	.10	10.0	.3	3,000	N	N	N	N
MEH125	32 20 16	110 52 9	5.0	.50	10.0	.7	2,000	N	N	N	N
MEH127	32 20 24	110 54 13	7.0	.50	7.0	1.0	2,000	N	N	N	N
MEH129	32 20 22	110 54 9	2.0	.20	15.0	1.5	2,000	N	N	N	N
MEH131	32 20 16	110 52 38	1.0	.07	10.0	1.5	2,000	N	N	N	N
MEH133	32 20 17	110 50 37	5.0	.30	7.0	.5	3,000	N	N	N	N
MEH137	32 21 25	110 56 57	5.0	.20	10.0	1.0	7,000	N	N	N	N
MEH141	32 22 45	110 57 20	5.0	.50	5.0	>2.0	1,000	N	N	N	N
MEH143	32 23 4	110 57 14	5.0	.50	2.0	1.5	>10,000	N	N	N	N
MEH145	32 23 1	110 57 15	7.0	.20	5.0	2.0	10,000	N	N	N	N
MEH147	32 22 58	110 57 16	2.0	.15	5.0	>2.0	5,000	N	N	N	N
MEH149	32 23 17	110 56 30	2.0	.20	5.0	>2.0	2,000	N	N	N	N
MEH151	32 27 6	110 51 26	1.5	.10	7.0	>2.0	700	N	N	N	N
MEH153	32 27 9	110 51 29	1.0	.07	5.0	>2.0	700	N	N	N	N
MEH155	32 27 48	110 50 17	1.0	.07	7.0	>2.0	500	N	N	N	N
MEH158	32 26 21	110 51 33	1.5	.20	5.0	>2.0	700	N	N	N	N
MEH163	32 26 2	110 50 59	2.0	1.00	5.0	2.0	1,000	N	N	N	N
MEH165	32 26 7	110 50 59	1.5	.50	7.0	>2.0	700	N	N	N	N
MEH171	32 25 50	110 50 44	2.0	.30	3.0	1.0	1,000	N	N	N	N
MEH174	32 24 24	110 50 2	2.0	.30	15.0	>2.0	3,000	N	N	N	N
MEH176	32 24 22	110 50 6	2.0	.20	20.0	1.0	>10,000	N	N	N	N
MEH178	32 24 27	110 50 29	7.0	.30	15.0	1.5	>10,000	N	N	N	N
MEH183	32 24 32	110 50 35	1.5	.20	5.0	.7	2,000	N	N	N	N
MEH188	32 25 10	110 52 34	10.0	1.00	1.5	.5	>10,000	N	N	N	N
JEK002	32 22 1	110 46 27	1.0	.15	30.0	1.5	7,000	N	N	N	N
JEK004	32 22 15	110 47 10	2.0	.30	20.0	2.0	2,000	N	N	N	N
JEK006	32 25 8	110 47 30	3.0	.50	15.0	2.0	5,000	N	N	N	N
JEK011	32 23 3	110 47 27	5.0	.50	15.0	>2.0	5,000	N	N	N	N
JEK016	32 22 46	110 47 38	5.0	.50	15.0	>2.0	1,500	N	N	N	N
JEK018	32 22 43	110 47 42	1.5	.15	30.0	1.5	7,000	N	N	N	N
JEK020	32 24 15	110 48 3	.5	.10	50.0	.1	7,000	N	N	N	N
JEK022	32 25 9	110 47 43	2.0	.10	15.0	>2.0	2,000	N	N	N	N
JEK024	32 25 8	110 47 40	3.0	.50	15.0	2.0	1,500	N	N	N	N
JEK029	32 25 17	110 47 33	3.0	.70	20.0	2.0	1,500	N	N	N	N
JEK034	32 25 16	110 47 30	5.0	1.00	20.0	1.0	2,000	N	N	N	N
JEK036	32 23 8	110 43 58	5.0	.30	10.0	1.0	2,000	N	N	N	N
JEK038	32 25 8	110 43 55	1.5	.30	7.0	.7	1,000	N	N	N	N
JEK040	32 23 19	110 43 56	3.0	.50	7.0	.7	1,000	N	N	N	N
JEK042	32 23 22	110 43 57	2.0	.30	10.0	1.5	1,500	N	N	N	N
JEK044	32 23 20	110 44 0	2.0	.20	20.0	.7	5,000	N	N	N	N
JEK046	32 22 59	110 44 39	2.0	.30	5.0	.5	700	N	N	N	N
JEK048	32 22 56	110 44 37	10.0	.20	5.0	1.0	>10,000	N	N	N	N

Table 1--continued
pusch ridge concentrates--continued

ppm

sample	S-B (20)	S-BA (50)	S-BE (2)	S-BI (20)	S-CD (50)	S-CC (10)	S-CR (20)	S-CU (10)	S-LA (50)	S-MO (10)	S-NB (50)
MEH115	<20	200	N	N	N	N	30	<10	1,000	N	100
MEH118	<20	200	N	N	N	N	30	10	500	10	150
MEH120	<20	150	N	N	N	N	30	<10	500	10	100
MEH122	50	200	N	N	N	20	70	30	>2,000	N	N
MEH125	20	2,000	N	N	N	10	200	20	1,500	N	50
MEH127	50	300	N	N	N	15	150	15	2,000	N	50
MEH129	<20	300	10	N	N	N	70	30	500	N	100
MEH131	<20	150	N	N	N	N	30	10	500	N	70
MEH133	50	300	N	N	N	10	150	20	>2,000	N	50
MEH137	30	700	N	N	N	15	30	100	>2,000	150	70
MEH141	<20	150	N	N	N	20	70	30	2,000	30	200
MEH143	<20	500	N	N	N	15	50	20	2,000	20	100
MEH145	<20	200	2	N	N	20	70	30	1,500	15	150
MEH147	20	300	N	N	N	10	50	10	>2,000	100	200
MEH149	<20	300	N	N	N	10	50	30	>2,000	150	200
MEH151	<20	70	N	N	N	10	30	10	1,500	50	300
MEH153	<20	70	N	N	N	10	30	<10	1,000	20	300
MEH155	<20	70	N	N	N	10	30	10	1,500	20	300
MEH158	<20	70	7	N	N	10	50	<10	1,000	50	300
MEH163	<20	300	7	N	N	10	100	15	500	20	200
MEH165	<20	50	10	<20	N	10	30	30	700	30	300
MEH171	<20	700	N	N	N	10	30	30	1,500	N	100
MEH174	N	100	50	30	N	10	30	20	2,000	N	150
MEH176	N	1,000	N	N	N	N	50	15	2,000	N	50
MEH178	<20	500	100	N	N	10	30	30	>2,000	N	50
MEH183	N	700	2	N	N	N	N	20	500	N	70
MEH188	<20	150	N	N	N	N	N	15	150	N	50
JEK002	N	200	N	N	N	N	<20	15	500	N	50
JEK004	N	300	10	N	N	N	30	20	200	N	50
JEK006	N	50	50	20	N	N	30	15	1,000	N	100
JEK011	N	100	20	<20	N	N	50	20	500	15	150
JEK016	30	70	30	20	N	N	70	30	500	10	150
JEK018	N	700	N	N	N	N	30	30	700	N	100
JEK020	N	700	N	N	N	N	N	<10	1,000	N	N
JEK022	20	100	N	N	N	N	50	<10	2,000	N	200
JEK024	<20	30	50	20	N	10	50	15	300	10	150
JEK029	<20	N	50	20	N	10	50	10	500	10	150
JEK034	<20	N	100	50	N	15	50	15	150	N	100
JEK036	20	1,500	N	N	N	N	20	150	2,000	20	100
JEK038	20	500	2	N	N	N	20	100	200	N	70
JEK040	50	500	2	N	N	N	30	100	1,000	50	70
JEK042	50	300	N	N	N	N	<20	70	700	100	70
JEK044	<20	200	N	N	N	N	20	20	2,000	N	500
JEK046	700	1,000	2	N	N	N	<20	300	700	100	50
JEK048	<20	100	N	N	N	N	20	20	>2,000	N	50

Table 1--continued
pusch ridge concentrations--continued

sample	S-NI (10)	S-FB (20)	S-SB (200)	S-SC (10)	S-SH (20)	S-SR (200)	S-V (20)	S-W (100)	S-Y (20)	S-ZN (500)	S-ZR (20)
MEH115	N	<20	N	30	N	200	70	N	1,000	N	>2,000
MEH118	N	<20	N	15	<20	200	150	N	1,000	N	>2,000
MEH120	N	<20	N	10	<20	200	100	N	1,000	N	>2,000
MEH122	N	50	N	20	<20	N	100	N	5,000	N	>2,000
MEH125	2C	100	N	50	N	500	100	N	1,000	N	>2,000
MEH127	2C	50	N	50	N	500	100	N	1,000	N	1,000
MEH129	N	100	N	30	<20	<200	100	N	700	N	>2,000
MEH131	N	20	N	50	N	N	70	N	1,000	N	>2,000
MEH133	1C	30	N	70	N	200	100	N	1,500	N	>2,000
MEH137	2C	1,000	N	20	20	N	100	100	2,000	N	>2,000
MEH141	15	300	N	20	50	N	150	<100	1,000	N	500
MEH143	1C	100	N	20	20	<200	150	150	500	N	300
MEH145	2C	150	N	30	20	<200	100	N	700	N	>2,000
MEH147	N	700	N	N	50	<200	150	500	1,000	N	>2,000
MEH149	N	70	N	N	30	N	100	1,500	1,000	N	>2,000
MEH151	N	N	N	10	100	N	150	N	700	N	>2,000
MEH153	N	N	N	15	70	N	100	N	700	N	>2,000
MEH155	N	N	N	10	100	N	100	N	500	N	>2,000
MEH158	N	N	N	10	100	N	150	N	700	N	1,000
MEH163	N	N	N	15	50	N	100	N	500	N	2,000
MEH165	N	N	N	15	70	N	100	N	500	N	>2,000
MEH171	N	20	N	15	20	<200	70	N	500	N	>2,000
MEH174	1C	100	N	N	50	<200	200	N	1,000	N	>2,000
MEH176	N	30	N	N	N	300	100	N	2,000	N	>2,000
MEH178	N	50	N	20	N	N	100	N	3,000	N	>2,000
MEH183	N	20	N	15	N	200	30	N	700	N	>2,000
MEH188	N	N	N	100	N	N	50	N	1,500	N	>2,000
JEK002	1C	30	N	10	N	300	70	N	3,000	N	>2,000
JEK004	N	20	N	20	N	200	100	N	1,000	N	>2,000
JEK006	1C	<20	N	10	20	<200	100	N	1,500	N	2,000
JEK011	N	20	N	10	30	200	200	N	500	500	>2,000
JEK016	N	70	N	30	30	300	200	N	500	N	1,500
JEK018	N	20	N	15	N	300	70	N	2,000	N	>2,000
JEK020	1C	<20	N	N	N	200	20	N	5,000	N	1,000
JEK022	N	20	N	N	70	N	500	N	1,500	N	700
JEK024	1C	<20	N	<10	20	<200	200	N	300	N	300
JEK029	1C	N	N	10	20	200	200	N	200	N	700
JEK034	15	<20	N	10	N	200	150	N	200	N	500
JEK036	N	50	N	20	N	<200	50	100	700	N	>2,000
JEK038	N	50	N	N	N	200	70	200	300	N	>2,000
JEK040	N	50	N	15	N	200	70	N	500	N	>2,000
JEK042	N	20	N	15	100	<200	70	N	700	N	>2,000
JEK044	N	30	N	N	N	<200	50	N	1,500	N	>2,000
JEK046	N	100	N	N	50	200	50	N	200	N	>2,000
JEK048	N	20	N	15	N	N	50	N	2,000	N	>2,000

pusch ridge concentrates--continued

sample	ppm S-TH (200)	ppm AA-ZN (5)
MEH115	200	--
MEH118	N	10.0
MEH120	N	7.5
MEH122	3,000	--
MEH125	500	--
MEH127	700	--
MEH129	<200	20.0
MEH131	N	30.0
MEH133	1,000	30.0
MEH137	2,000	--
MEH141	500	--
MEH143	500	25.0
MEH145	500	--
MEH147	700	80.0
MEH149	1,500	40.0
MEH151	300	20.0
MEH153	2,000	40.0
MEH155	1,000	10.0
MEH158	<200	50.0
MEH163	N	5.0
MEH165	200	55.0
MEH171	500	10.0
MEH174	<200	25.0
MEH176	200	40.0
MEH178	2,000	70.0
MEH183	<200	--
MEH188	N	100.0
JEK002	N	--
JEK004	N	--
JEK006	<200	--
JEK011	N	30.0
JEK016	N	--
JEK018	N	--
JEK020	1,000	80.0
JEK022	<200	50.0
JEK024	N	35.0
JEK029	N	--
JEK034	N	--
JEK036	700	--
JEK038	N	80.0
JEK040	300	85.0
JEK042	200	170.0
JEK044	500	--
JEK046	200	--
JLK048	700	--

Table 1--continued
pusch ridge concentrations--continued

sample	LATITUDE	LONGITUD	S-FE% (0.1)	S-MG% (0.05)	S-CA% (0.1)	S-Ti% (0.005)	S-MN (20)	S-AG (1)	S-AS (500)	S-AU (20)	ppm
JEK053	32 21 45	110 45 24	3.0	.30	10.0	.7	2,000	N	N	N	N
JEK055	32 21 56	110 46 5	1.0	.20	20.0	.5	2,000	N	N	N	N
JEK057	32 23 4	110 43 15	2.0	.30	7.0	.7	2,000	N	N	N	N
JEK059	32 23 4	110 43 19	2.0	.30	15.0	2.0	3,000	N	N	N	N
JEK061	32 21 38	110 45 17	1.0	.20	30.0	2.0	7,000	N	N	N	N
JEK066	32 20 59	110 44 47	1.5	.15	30.0	1.5	2,000	N	N	N	N
JEK068	32 21 2	110 44 31	1.0	.20	20.0	1.0	2,000	N	N	N	N
JEK070	32 21 15	110 44 1	1.0	.20	20.0	2.0	1,500	N	N	N	N
JEK075	32 21 11	110 44 1	1.0	.15	15.0	2.0	1,000	N	N	N	N
JEK077	32 21 17	110 44 7	1.0	.30	30.0	.5	3,000	N	N	N	N
JEK079	32 22 16	110 43 17	2.0	.30	7.0	.7	1,500	N	N	N	N
JEK081	32 22 15	110 43 13	1.0	.30	20.0	.7	3,000	N	N	N	N
JEK083	32 22 47	110 42 28	10.0	.70	20.0	.5	10,000	N	N	N	N
JEK085	32 22 49	110 42 31	3.0	.50	5.0	.5	2,000	N	N	N	N
JEK086	32 19 27	110 48 51	1.0	.10	30.0	1.0	2,000	N	N	N	N
JEK090	32 19 27	110 48 47	.5	.10	30.0	1.0	1,500	N	N	N	N
JEK092	32 20 24	110 47 33	5.0	.30	20.0	1.0	2,000	N	N	N	N
JEK094	32 19 22	110 48 30	2.0	.20	15.0	>2.0	1,000	N	N	N	N
JEK096	32 20 52	110 46 55	.5	.15	30.0	1.0	2,000	N	N	N	N
JEK098	32 20 54	110 46 51	2.0	.50	20.0	>2.0	1,000	N	N	N	N
JEK104	32 20 12	110 48 21	.5	.15	20.0	.5	1,500	N	N	N	N
JEK106	32 20 12	110 48 16	.3	.07	30.0	.5	1,500	N	N	N	N
JEK108	32 20 59	110 48 2	.5	.10	20.0	1.0	2,000	N	N	N	N
JEK110	32 20 52	110 48 57	1.0	.20	20.0	1.0	3,000	N	N	N	N
JEK112	32 20 53	110 49 2	1.0	.10	20.0	1.5	3,000	N	N	N	N
JEK114	32 19 42	110 49 22	.7	.15	30.0	1.5	2,000	N	N	N	N
JEK119	32 21 7	110 54 1	1.0	.15	20.0	2.0	3,000	N	N	N	N
JEK121	32 21 7	110 54 6	1.0	.15	20.0	1.5	3,000	N	N	N	N
JEK123	32 22 33	110 54 6	1.5	.20	20.0	>2.0	1,500	N	N	N	N
JEK126	32 22 35	110 54 9	2.0	.30	3.0	.7	1,000	N	N	N	N
JEK128	32 22 4	110 54 35	1.5	.15	20.0	>2.0	2,000	N	N	N	N
JEK130	32 21 59	110 54 54	1.0	.10	15.0	>2.0	1,500	N	N	N	N
JEK132	32 21 40	110 55 26	.7	.10	20.0	1.5	7,000	N	N	N	N
JEK134	32 21 44	110 55 38	.5	.20	30.0	.5	5,000	N	N	N	N
JEK136	32 21 12	110 56 21	1.0	.07	20.0	>2.0	2,000	N	N	N	N
JEK138	32 23 26	110 55 47	1.5	.15	20.0	>2.0	1,000	N	N	N	N
JEK140	32 23 34	110 55 34	1.5	.20	20.0	>2.0	1,000	N	N	N	N
JEK142	32 20 0	110 53 15	1.0	.20	20.0	2.0	5,000	N	N	N	N
JEK144	32 22 13	110 57 49	1.5	.20	20.0	1.5	7,000	N	N	N	N
JEK146	32 24 7	110 54 59	1.5	.10	20.0	>2.0	1,000	N	N	N	N
JEK151	32 23 39	110 54 31	1.5	.20	10.0	>2.0	1,000	N	N	N	N
JEK153	32 23 40	110 54 27	1.5	.15	10.0	>2.0	1,000	N	N	N	N
JEK155	32 23 58	110 54 5	1.5	.10	10.0	>2.0	1,000	N	N	N	N
JEK157	32 24 0	110 54 3	1.5	.20	15.0	>2.0	1,000	N	N	N	N
JEK159	32 25 22	110 53 46	1.0	.15	10.0	>2.0	2,000	N	N	N	N

pusch ridge concentrates--continued

ppm

sample	S-B (20)	S-BA (50)	S-BE (2)	S-BI (20)	S-CD (50)	S-CO (10)	S-CR (20)	S-CU (10)	S-LA (50)	S-MO (10)	S-NB (50)
JEK053	<20	700	N	N	N	N	<20	150	1,000	N	100
JEK055	<20	500	N	N	N	N	20	3,000	>2,000	N	70
JEK057	30	700	2	N	N	N	<20	70	700	70	200
JEK059	20	500	3	N	N	N	20	200	1,000	N	500
JEK061	<20	700	N	N	N	N	50	<10	>2,000	N	500
JEK066	<20	150	N	N	N	N	20	15	1,000	N	100
JEK068	<20	150	N	N	N	N	20	<10	1,000	N	70
JEK070	<20	500	N	N	N	N	50	20	500	N	100
JEK075	<20	200	N	N	N	N	20	10	>2,000	N	100
JEK077	<20	150	10	N	N	N	<20	10	2,000	N	N
JEK079	50	700	N	N	N	N	20	100	500	15	50
JEK081	<20	500	5	N	N	N	<20	<10	2,000	N	<50
JEK083	<20	1,500	N	N	N	20	20	20	>2,000	N	<50
JEK085	30	300	2	N	N	N	<20	300	700	N	700
JEK088	20	70	N	N	N	N	20	30	200	N	<50
JEK090	<20	100	N	N	N	N	<20	20	200	N	50
JEK092	<20	100	N	N	N	15	50	50	>2,000	N	70
JEK094	<20	150	20	<20	N	N	30	15	700	10	200
JEK096	<20	150	N	N	N	N	20	20	500	N	<50
JEK098	<20	150	30	20	N	N	50	20	500	15	150
JEK104	<20	500	N	N	N	N	<20	15	200	N	<50
JEK106	<20	50	N	N	N	N	<20	10	200	N	50
JEK108	<20	50	N	N	N	N	20	10	500	N	<50
JEK110	<20	100	N	N	N	N	20	15	500	N	70
JEK112	<20	70	N	N	N	N	30	15	700	N	150
JEK114	<20	70	N	N	N	N	20	10	300	N	50
JEK119	<20	200	N	N	N	N	30	15	1,000	N	500
JEK121	<20	150	N	N	N	N	30	15	700	N	100
JEK123	<20	70	N	N	N	N	50	<10	500	20	200
JEK126	70	1,000	N	N	N	N	20	70	1,000	N	50
JEK128	<20	70	N	N	N	N	30	<10	500	20	200
JEK130	<20	50	N	N	N	N	50	10	1,000	30	200
JEK132	<20	500	N	N	N	N	30	30	2,000	10	200
JEK134	<20	100	N	N	N	N	20	10	700	N	<50
JEK136	<20	N	N	N	N	N	50	<10	700	N	300
JEK138	<20	70	N	N	N	N	50	<10	500	N	200
JEK140	<20	70	N	<20	N	N	50	<10	500	50	300
JEK142	<20	100	N	N	N	N	20	15	1,500	N	70
JEK144	<20	300	N	N	N	N	20	10	1,500	N	50
JEK146	<20	50	N	<20	N	N	50	<10	500	50	500
JEK151	<20	70	N	<20	N	N	50	<10	500	50	500
JEK153	<20	70	N	<20	N	N	50	<10	700	30	500
JEK155	<20	N	N	<20	N	N	50	<10	500	50	500
JEK157	<20	200	N	<20	N	N	20	10	500	30	300
JEK159	<20	700	N	N	N	N	30	100	2,000	150	200

pusch ridge concentrations--continued

sample	S-NI (10)	S-FB (20)	S-SB (200)	S-SC (10)	S-SN (20)	S-SR (200)	S-V (20)	S-W (100)	S-Y (20)	S-ZN (500)	S-ZR (20)
JEK053	N	<20	N	30	70	200	50	N	700	N	>2,000
JEK055	N	200	N	10	500	200	50	N	1,500	N	>2,000
JEK057	N	700	N	10	50	200	50	N	300	N	>2,000
JEK059	N	50	N	20	<20	200	100	N	700	N	>2,000
JEK061	N	N	N	N	N	N	N	N	1,000	2,000	>2,000
JEK066	N	50	N	10	100	200	70	N	1,000	N	>2,000
JEK068	N	20	N	N	N	200	100	N	1,000	N	>2,000
JEK070	N	200	N	15	<20	200	150	N	1,000	N	>2,000
JEK075	N	30	N	20	N	<200	70	N	1,000	N	>2,000
JEK077	N	30	N	N	N	200	50	N	1,500	N	>2,000
JEK079	N	200	N	20	<20	200	50	N	1,000	N	>2,000
JEK081	N	20	N	N	N	N	50	N	2,000	N	>2,000
JEK083	N	150	N	10	N	N	100	N	5,000	N	>2,000
JEK085	N	100	N	20	30	N	30	N	1,500	N	>2,000
JEK088	N	N	N	10	N	<200	100	N	1,500	N	>2,000
JEK090	N	150	N	20	N	N	100	N	1,000	N	>2,000
JEK092	30	50	N	20	30	N	100	N	2,000	N	>2,000
JEK094	N	200	N	N	50	N	200	N	500	500	>2,000
JEK096	N	20	N	15	N	N	100	N	1,500	N	>2,000
JEK098	N	20	N	10	50	200	300	N	500	N	1,500
JEK104	N	20	N	10	N	<200	70	N	1,000	N	>2,000
JEK106	N	<20	N	N	N	N	70	N	1,500	N	>2,000
JEK108	N	<20	N	20	N	N	100	N	1,500	N	>2,000
JEK110	N	30	N	20	N	N	100	N	1,500	N	>2,000
JEK112	N	20	N	10	<20	N	150	N	2,000	N	>2,000
JEK114	N	20	N	10	N	N	100	N	2,000	N	>2,000
JEK119	N	20	N	10	20	N	150	N	1,500	N	>2,000
JEK121	N	20	N	10	<20	N	100	N	1,000	N	>2,000
JEK123	N	<20	N	N	50	<200	500	N	1,000	N	2,000
JEK126	N	50	N	15	N	200	50	N	200	N	>2,000
JEK128	N	20	N	N	70	<200	200	N	1,000	N	1,000
JEK130	N	20	N	N	70	N	300	N	1,000	N	>2,000
JEK132	N	20	N	N	<20	N	100	N	1,500	N	>2,000
JEK134	N	N	N	N	N	N	50	N	2,000	N	>2,000
JEK136	N	N	N	N	>50	N	300	N	1,000	N	>2,000
JEK138	N	<20	N	N	50	N	500	N	1,000	N	>2,000
JEK140	N	N	N	N	70	N	500	N	1,000	N	1,000
JEK142	20	2,000	N	10	<20	N	100	N	1,500	N	>2,000
JEK144	20	150	N	10	<20	200	100	N	1,500	N	>2,000
JEK146	N	N	N	N	70	N	500	N	1,500	N	2,000
JEK151	N	<20	N	N	100	N	500	N	1,500	N	500
JEK153	N	N	N	N	70	N	300	N	1,000	N	1,000
JEK155	N	N	N	N	100	N	500	N	1,000	N	300
JEK157	N	N	N	N	70	<200	300	N	1,000	N	>2,000
JEK159	N	700	N	N	50	<200	150	2,000	1,000	N	>2,000

Table 1--continued
pusch ridge concentrates--continued

sample	ppm S-TH (200)	ppm AA-ZN (5)
JEK053	300	--
JEK055	1,000	--
JEK057	<200	--
JEK059	N	--
JEK061	1,500	--
JEK066	200	20.0
JEK068	200	--
JEK070	<200	--
JEK075	500	--
JEK077	500	20.0
JEK079	<200	--
JEK081	200	10.0
JEK083	2,000	--
JEK085	500	40.0
JEK086	N	--
JEK090	N	--
JEK092	1,000	--
JEK094	N	--
JEK096	N	10.0
JEK093	N	5.0
JEK104	N	--
JEK106	N	35.0
JEK108	N	10.0
JEK110	<200	35.0
JEK112	<200	5.0
JEK114	N	10.0
JEK119	<200	10.0
JEK121	N	220.0
JEK123	N	--
JEK126	200	10.0
JEK128	N	--
JEK130	300	30.0
JEK132	700	--
JEK134	N	40.0
JEK136	<200	7.5
JEK138	N	25.0
JEK140	N	--
JEK142	<200	10.0
JEK144	<200	10.0
JEK146	N	35.0
JEK151	<200	200.0
JEK153	<200	--
JEK155	N	--
JEK157	N	10.0
JEK159	500	--

Table 1--continued

pusch ridge concentrates--continued

sample	LATITUDE	LONGITUDE	S-FEZ (0.1)	S-MGZ (0.05)	S-CAZ (0.1)	S-TIZ (0.005)	ppm			
							S-MN (20)	S-AG (1)	S-AS (500)	S-AU (20)
JEK161	32 25 58	110 53 29	2.0	.50	7.0	>2.0	1,000	N	N	N
JEK163	32 25 53	110 53 31	3.0	.50	20.0	2.0	5,000	N	N	N
JEK165	32 25 47	110 53 34	2.0	.20	3.0	1.0	1,000	N	N	N
JEK167	32 23 41	110 52 6	1.0	.30	20.0	.5	7,000	N	N	N
JEK169	32 23 45	110 52 6	2.0	.50	20.0	2.0	7,000	N	N	N
JEK171	32 23 44	110 52 12	2.0	.50	20.0	>2.0	2,000	N	N	N
JEK173	32 24 53	110 53 0	1.0	.20	15.0	2.0	2,000	N	N	N
JEK175	32 24 54	110 52 56	5.0	.50	7.0	>2.0	1,000	N	N	N

pusch ridge concentrates--continued

ppm

sample	S-B (20)	S-BA (50)	S-BE (2)	S-BI (20)	S-CU (50)	S-CU (10)	S-CR (20)	S-CU (10)	S-LA (50)	S-MO (10)	S-NB (50)
JEK161	<20	200	50	N	N	N	30	50	1,500	150	200
JEK163	<20	200	10	<20	N	N	30	20	1,000	N	150
JEK165	<20	700	5	N	N	N	30	30	1,000	N	70
JEK167	<20	700	N	N	N	N	N	20	1,000	N	N
JEK169	<20	1,000	N	N	N	N	<20	50	>2,000	N	200
JEK171	200	500	N	N	N	N	50	20	2,000	N	300
JEK173	<20	500	N	N	N	N	30	15	2,000	100	100
JEK175	<20	500	N	N	N	N	100	20	500	30	200

pusch ridge concentrates--continued

ppm

sample	S-NI (10)	S-PB (20)	S-SB (200)	S-SC (10)	S-SN (20)	S-SR (200)	S-V (20)	S-W (100)	S-Y (20)	S-ZN (500)	S-ZR (20)
JEK161	N	20	N	N	70	N	150	(100)	1,000	N	>2,000
JEK163	N	20	N	10	50	N	150	1,000	1,000	N	>2,000
JEK165	N	30	N	10	N	N	70	N	1,000	N	>2,000
JEK167	N	N	N	N	N	<200	50	N	500	N	>2,000
JEK169	N	N	N	N	N	N	100	N	1,500	N	>2,000
JEK171	N	<20	N	N	>0	N	200	N	1,500	N	>2,000
JEK173	N	20	N	20	30	N	150	500	1,500	N	>2,000
JEK175	N	<20	N	20	50	N	300	N	1,000	N	>2,000

Table 1--continued
pusch ridge concentrates--continued

sample	ppm S-TH (200)	ppm AA-ZN (5)
JEK161	200	10.0
JEK163	N	70.0
JEK165	200	10.0
JEK167	200	--
JEK169	1,500	20.0
JEK171	500	160.0
JEK173	500	--
JEK175	N	--

sample	LATITUDE	LONGITUDE	S-FEX (0.05)	S-MGX (0.02)	S-CAX (0.05)	S-TIX (0.002)	S-MN (10)	S-AG (0.5)	S-AS (200)	S-AU (10)
MEH020	32 25 22	110 45 2	2.0	.70	.20	.150	300	N	N	N
MEH041	32 23 4	110 46 18	.5	.05	.30	.010	1,500	N	N	N
MEH049	32 25 41	110 49 8	15.0	.50	.10	.200	200	N	N	N
MEH095	32 18 34	110 46 52	.7	.10	.50	.030	100	N	N	N
MEH104	32 20 17	110 49 45	1.5	.20	.50	.100	500	N	N	N
MEH116	32 21 0	110 51 10	1.0	.10	.30	.050	150	N	N	N
MEH123	32 20 17	110 51 47	.7	.10	.15	.030	200	N	N	N
MEH138	32 21 30	110 56 57	2.0	.50	.30	.150	500	N	N	N
MEH139	32 21 27	110 56 49	.7	.10	.20	.030	1,000	N	N	N
MEH156	32 27 48	110 50 17	3.0	1.00	1.50	.300	500	N	N	N
MEH169	32 26 7	110 50 59	5.0	1.00	1.50	.300	700	N	N	N
MEH172	32 25 50	110 50 44	.5	.10	.50	.020	150	N	N	N
MEH195	32 25 7	110 52 41	1.0	.15	.70	.050	200	N	N	N
JEK086	32 22 49	110 42 31	.5	.07	.70	.015	100	N	N	N
JEK102	32 20 54	110 46 51	1.5	.20	1.00	.100	200	N	N	N
JEK124	32 22 33	110 54 6	2.0	.70	1.50	.150	500	N	N	N

pusch ridge rocks

ppm

sample	S-B (10)	S-BA (20)	S-BE (1)	S-BI (10)	S-CD (20)	S-CO (5)	S-CR (10)	S-CU (5)	S-LA (20)	S-MO (5)	S-NB (20)
MEH020	<10	300	2.0	N	N	7	<10	7	30	N	<20
MEH041	<10	200	<1.0	N	N	N	N	5	N	N	N
MEH049	70	300	10.0	15	N	70	30	>20,000	N	200	N
MEH095	<10	1,000	1.5	N	N	N	N	50	N	N	N
MEH104	<10	300	5.0	N	N	5	<10	50	20	N	<20
MEH116	<10	500	1.5	N	N	N	N	10	N	N	N
MEH123	<10	700	1.5	N	N	N	N	10	N	N	N
MEH138	<10	1,000	5.0	N	N	<5	<10	30	50	N	20
MEH139	<10	500	2.0	N	N	N	N	30	N	N	20
MEH156	<10	1,000	2.0	N	N	15	20	15	50	N	N
MEH169	<10	500	3.0	N	N	20	70	20	N	N	N
MEH172	<10	1,000	<1.0	N	N	N	N	7	N	N	N
MEH195	<10	1,500	1.0	N	N	N	N	10	N	N	N
JEK086	<10	200	1.5	N	N	N	N	5	N	N	N
JEK102	<10	700	N	N	N	<5	N	30	50	N	N
JEK124	<10	300	2.0	N	N	10	10	<5	N	N	N

Table 1--continued
pusch ridge rocks

sample	S-NI (5)	S-PB (10)	S-SB (100)	S-SC (5)	S-SN (10)	S-SR (100)	S-V (10)	S-W (50)	S-Y (10)	S-ZN (200)	S-ZR (10)
MEH020	N	20	N	7	N	<100	30	N	50	N	150
MEH041	N	50	N	N	N	150	N	N	20	N	N
MEH049	30	15	N	7	N	N	100	500	15	300	150
MEH095	N	15	N	N	N	300	15	N	N	N	50
MEH104	N	30	N	7	N	<100	30	N	20	N	100
MEH116	N	15	N	N	N	200	20	N	10	N	70
MEH123	N	20	N	N	N	200	N	N	10	N	70
MEH138	5	50	N	10	N	150	30	N	30	N	200
MEH139	N	50	N	N	N	100	N	N	10	N	50
MEH156	20	20	N	7	N	500	100	N	20	N	150
MEH169	50	15	N	10	N	200	100	N	15	N	100
MEH172	N	20	N	N	N	200	N	N	15	N	20
MEH195	N	30	N	5	N	500	<10	N	50	N	50
JEK086	N	20	N	N	N	200	N	N	N	N	N
JEK102	N	20	N	<5	N	300	20	N	30	N	150
JEK124	7	15	N	5	N	500	70	N	10	N	20

ppm

pusch ridge rocks

sample	ppm	
	S-TH (100)	AA-ZN-P (5)
MEH020	N	20
MEH041	N	<5
MEH049	N	120
MEH095	N	5
MEH104	N	35
MEH116	N	10
MEH123	N	<5
MEH138	N	90
MEH139	N	90
MEH156	N	40
MEH169	N	30
MEH172	N	15
MEH195	N	15
JEK086	N	<5
JEK102	N	40
JEK124	N	40

Table 1--continued
pusch ridge waters

sample	LATITUDE	LONGITUDE	ppb AA-AG* (0.5)	ppb AA-AS* (1)	ppm AA-CA (0.1)	ppb AA-CU (1)	ppb AA-FE (1)	ppm AA-K (0.1)	ppm AA-MG (0.1)	ppb AA-NO* (1)
MEH003	32 20 15	110 54 20	.50	1.46	34.10	9.75	110	3.88	11.90	.72
MEH046	32 26 23	110 49 3	.50	.57	17.00	19.00	110	1.57	4.70	.51
MEH056	32 24 24	110 51 7	.35	.39	6.10	4.76	90	1.19	1.98	.47
MEH107	32 21 59	110 49 56	.27	2.01	29.70	6.61	2,070	2.67	4.30	.76
MEH159	32 26 21	110 51 33	.29	1.47	51.90	2.08	265	2.37	12.10	2.70
MEH166	32 26 7	110 50 59	.27	1.68	62.50	4.18	90	1.80	15.00	3.48
MEH179	32 24 28	110 50 26	.29	.51	10.40	2.44	360	1.30	3.15	.40
MEH189	32 25 10	110 52 34	.23	.72	5.45	5.38	300	1.38	1.78	.45
MEH192	32 25 4	110 52 33	.26	.54	8.15	4.79	310	.98	2.63	.38
JEK007	32 23 4	110 47 26	.24	.55	12.40	6.26	100	1.54	2.65	2.10
JEK012	32 23 7	110 47 30	.48	.54	6.85	3.45	190	.87	1.65	.45
JEK025	32 25 8	110 47 40	.50	.43	5.20	1.34	120	.67	1.25	.36
JEK030	32 25 16	110 47 30	.26	.54	1.15	2.37	170	.60	.45	.33
JEK049	32 22 39	110 44 29	.48	.77	7.55	4.04	330	2.12	2.30	.37
JEK062	32 21 38	110 45 17	.49	.56	5.45	34.70	90	1.29	1.65	.35
JEK071	32 21 15	110 44 1	.20	2.04	16.30	72.40	100	2.11	3.15	.93
JEK099	32 20 54	110 46 51	.47	.49	10.30	7.55	335	1.25	2.40	.71
JEK115	32 20 56	110 54 11	.86	.79	22.50	5.21	120	2.44	6.73	.41
JEK147	32 24 2	110 54 53	.72	1.05	38.90	17.50	460	2.82	13.80	.90
JEK176	32 24 57	110 53 1	1.01	1.03	15.50	6.82	710	2.56	5.15	.75
JEK179	32 22 52	110 53 38	.47	1.51	17.80	38.40	435	8.50	5.28	1.07

*raw data figures---may be used for statistical studies

Table 1--continued

pusch ridge waters

sample	ppm AA-NA (0.1)	ppb AA-PB* (1)	ppb AA-ZN (0.5)	ppm SI-F (0.01)	ppm SI-CL (0.05)	ppm SO4--* (0.5)	ppm ALKALINE (1)	µmhos/cm ² SP COND	PH
MEH003	55.3	.58	6.82	.333	8.88	27.200	222.000	350	8.4
MEH046	8.9	1.54	205.00	.175	2.39	2.500	21.400	140	7.3
MEH056	17.6	.33	8.86	.050	5.00	6.980	18.500	90	6.0
MEH107	28.1	.65	280.00	.167	7.71	1.470	145.000	180	7.6
MEH159	31.0	.38	5.96	.258	8.13	14.700	221.000	300	6.9
MEH166	32.0	.51	4.94	.378	8.60	9.100	281.000	350	8.4
MEH179	36.5	.34	10.20	.050	5.10	5.400	59.400	95	6.5
MEH189	18.1	.10	4.33	.077	4.30	6.300	17.700	75	6.6
MEH192	22.4	.66	5.65	.111	7.00	.590	56.300	90	7.2
JEK007	14.3	.92	15.40	.111	2.60	1.820	33.400	85	7.5
JEK012	9.9	.10	6.11	.051	2.71	.142	29.800	62	7.1
JEK025	4.7	.11	7.69	.045	1.04	2.690	.687	60	6.9
JEK030	5.5	.55	13.50	.096	1.46	2.830	14.300	40	6.2
JEK049	13.1	.97	15.10	.176	3.13	5.610	22.700	85	8.1
JEK062	14.0	.04	90.40	.082	4.37	3.250	26.100	65	8.0
JEK071	38.3	4.31	89.80	.192	12.20	2.600	91.400	180	9.2
JEK099	11.6	.66	93.30	.082	3.75	1.750	28.900	85	6.8
JEK115	39.6	.34	13.70	.102	13.50	22.800	98.400	215	7.0
JEK147	66.2	.37	16.10	.320	15.30	33.000	219.000	400	7.9
JEK176	33.4	1.19	7.23	.121	11.90	4.220	101.000	170	7.4
JEK179	30.0	1.12	18.80	.108	11.90	24.300	55.800	160	7.2

*raw data figures---may be used for statistical studies

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