

Table 5. Field numbers, depths to midpoints of intervals, and interval sample descriptions for cores from Bullion Mine tailings impoundments

Field No	DEPTH (cm)	sample description
97BMF-102-1-a	5	brown silt, micas, abundant wood bits and fibers
97BMF-102-1-b	17	medium-brown silt, micaceous, some rootlet fibers, some iron oxidation coloring
97BMF-102-1-c	29	brown-orange silt, micas, root fibers
97BMF-102-1-d	40	orange-brown coarse-to-fine sand, wood bits and fibers
97BMF-102-1-e	55	dark brown peaty silt, some fine pebbles, some mica, abundant wood fiber
97BMF-102-4-a	4	tan-gray well sorted fine sand and silt, little iron oxidation, wood fibers
97BMF-102-4-b	14	gray medium-to-fine sand, sparse charcoal, micas, moderately-strong iron oxidation, wood plug at bottom of section
97BMF-102-4-c	22	dark gray silt, very fine fresh mafics, micas, root fibers
97BMF-102-4-d	28	medium brown peaty silt, very fibrous, wood fibers
97BMF-102-4-e	36	medium gray-brown blocky silt, little clay, wood fibers
97BMF-102-4-f	45	gray-brown fine sand and silt, little clay, wood fibers, sparse charcoal
97BMF-102-4-g	58	gray-brown medium to fine sand and clay, micas, moderate charcoal, wood fibers
97BMF-102-5-a	3	medium brown well sorted fine sand, little iron oxidation, some wood fibers
97BMF-102-5-b	12	dark gray silt, clay, root fibers
97BMF-102-5-c	27	gray silt and clay, some micas, iron oxidation, root fibers
97BMF-102-6-a	3	brown fine sand, fresh mafics, pyrite and biotite, no organic debris observed
97BMF-102-6-b	10	brown organic material with a wood fiber plug
97BMF-102-6-c	17	brown medium-to-fine sand, mica, some root fibers
97BMF-102-6-d	22	dark brown peaty organic clay, some mica, root fibers
97BMF-102-6-e	29	dark brown very fibrous wood section
97BMF-102-6-f	34	brown medium-to-fine sand, fresh mafics, no organic debris observed
97BMF-102-6-g	37	brown organic clay, moist, wood fibers
97BMF-102-6-h	54	dark black moist organic clay, micaceous, wood fibers
97BMF-102-7-a	3	light tan fine sand, some iron oxidation, no organic debris observed
97BMF-102-7-b	9	dark brown silt, peaty fibrous plug, root fibers, moderate iron oxidation
97BMF-102-7-c	14	dark brown medium-to-fine sand, minor iron oxidation, slightly organic, fibers
97BMF-102-7-d	20	dark brown medium-to-fine sand, minor iron oxidation, slightly organic, fibers
97BMF-102-7-e	27	dark brown organic clay plug, root fibers
97BMF-102-7-f	36	medium brown medium-to-fine moist sand, mica, few fibers, few organics
97BMF-102-7-g	45	brown fine sand, silt and clay, fine micas, some organics, some fiber

Table 5. Field numbers, depths to midpoints of intervals, and interval sample descriptions for cores from Bullion Mine tailings impoundments (cont.)

Field No	DEPTH (cm)	sample description
97BMF-102-8-a	5	brown well sorted fine sand, micaceous, a few fine pebbles, some fresh mafics, slight orange cast, no organic debris observed
97BMF-102-8-b	13	dark brown silt, minor iron oxidation coloring, root wood plug, very fibrous wood
97BMF-102-8-c	27	dark brown medium-to-fine moist sand, micaceous, fibrous organics
97BMF-102-9-a	4	medium brown fine sand, micas, no organic debris observed
97BMF-102-9-b	10	light brown fine sand, a few fresh mafics, minor iron oxidation, no organic debris observed
97BMF-102-9-c	16	brown silt, fibrous peaty material, some organics
97BMF-102-9-d	22	medium brown medium-to-fine sand, slight iron oxidation, sparse root fibers
97BMF-102-10-a	8	buff fine sand, well sorted, no organic debris observed
97BMF-102-10-b	23	homogenous buff and yellow fine sand and silt, moist, sulfurous odor, no organic debris observed
97BMF-102-10-c	36	homogenous buff and yellow fine sand and silt, clay, moist, slight sulfur odor, few plant fibers
97BMF-102-10-d	48	gray clay and silt, some grass fibers
97BMF-102-10-e	54	gray fine sand, some fresh mafics, fresh biotite, few wood bits
97BMF-102-11-a	10	buff-orange leached fine homogeneous sand, no mafics, no organic debris observed
97BMF-102-11-b	24	buff-white and orange well sorted silt, some clay, no organic debris observed
97BMF-102-11-c	38	buff-white well sorted silt, some clay, no organic debris observed
97BMF-102-11-d	54	buff-white well sorted silt, clay, no organic debris observed
97BMF-102-R1-a	4	tan-brown medium-to fine-sand, a few mafics, pine needles, slight orange coloring
97BMF-102-R1-b	13	tan-brown medium to fine sand, a few mafics, pine needles, slight orange coloring
97BMF-102-R1-c	21	tan-brown medium to fine sand, a few mafics, pine needles, slight orange coloring
97BMF-102-R1-d	28	buff fine sand, minor iron oxidation, little wood fibers
97BMF-102-R1-e	42	medium brown medium-to-fine sand, micaceous, a few fresh mafics, no organic debris observed
97BMF-102-R1-f	59	brown and orange medium-to-fine sand, oxidized mica, iron oxidation color, no organic debris observed
97BMF-102-R2-a	4	orange-brown fine sand, fresh biotite, iron oxidation, few pine needles
97BMF-102-R2-b	17	tan and orange loosely consolidated fine sand, fresh mafics, some sticks and twigs
97BMF-102-R2-c	38	buff fine sand, oxidized mica, fresh mafics, little or no iron oxidation, no organic debris observed
97BMF-102-R2-d	59	buff fine sand, oxidized mica, fresh mafics, little or no iron oxidation, no organic debris observed

Table 5. Field numbers, depths to midpoints of intervals, and interval sample descriptions for cores from Bullion Mine tailings impoundments (cont.)

Field No	DEPTH (cm)	sample description
97BMF-102-R3-a	4	tan-buff fine sand, mica, iron oxidation, pine needles
97BMF-102-R3-b	15	tan fine sand, mostly quartz, sparse micas, bleached, minor iron oxidation, no organic debris observed
97BMF-102-R3-c	25	bleached silt and clay plug, slightly yellow, no organic debris observed
97BMF-102-R3-d	30	brown medium-to-fine sand, a few fine pebbles, mica, charcoal, twigs
97BMF-102-R4-a	4	buff silt, some clay, a few wood fibers
97BMF-102-R4-b	11	buff silt, some clay, no organic debris observed
97BMF-102-R4-c	17	buff silt, some clay, no organic debris observed
97BMF-102-R5-a	11	buff fine sand, quartz, fresh mica, homogenous, no organic debris observed
97BMF-102-R5-b	28	buff fine sand, quartz, fresh mica, homogenous, no organic debris observed
97BMF-102-R5-c	50	buff fine sand, quartz, fresh mica, homogenous, no organic debris observed
97BMF-102-R5-d	69	buff fine sand, quartz, fresh mica, homogenous, no organic debris observed
97BMF-102-R5-e	77	buff fine sand and clay, fresh mica, homogenous, no organic debris observed
97BMF-102-R6-a	7	light tan-brown fine sand, micas, sparse fresh mafics, pine needles
97BMF-102-R6-b	21	buff and yellow fine sand, mica, sparse fresh mafics, sparse pine needles
97BMF-102-R6-c	29	tan silt and clay plug, leached, minor iron oxidation, no organic debris observed
97BMF-102-R6-d	32	buff and yellow fine sand, sparse fine fresh mafics, micas, no organic debris observed
97BMF-102-R6-e	38	buff and yellow fine sand, loosely consolidated, no organic debris observed
97BMF-102-R6-f	48	buff and yellow fine sand, loosely consolidated, no organic debris observed
97BMF-102-R6-g	60	buff and yellow fine sand, loosely consolidated, no organic debris observed
97BMF-102-R6-h	69	buff and yellow fine sand, loosely consolidated, few pine needles
97BMF-102-R6-i	76	buff and yellow fine sand, loosely consolidated, two pine needles

Table 5. Field numbers, depths to midpoints of intervals, and interval sample descriptions for cores from Bullion Mine tailings impoundments (cont.)

Field No	DEPTH (cm)	sample description
97BMF-102-T1-a	6	buff and yellow fine sand, fresh mafics, some pine needles
97BMF-102-T1-b	17	buff and yellow fine sand, fresh mafics, no organic debris observed
97BMF-102-T1-c	25	buff and yellow silt and clay plug, no organic debris observed
97BMF-102-T1-d	29	buff and yellow fine sand, fresh mafics, no organic debris observed
97BMF-102-T1-e	34	buff and yellow silt and clay plug, no organic debris observed
97BMF-102-T1-f	39	yellow and orange fine sand and silt, very fine fresh mafics, no organic debris observed
97BMF-102-T1-g	40	buff and yellow silt and clay plug, no organic debris observed
97BMF-102-T1-h	47	yellow and orange fine sand and silt, very fine fresh mafics, no organic debris observed
97BMF-102-T1-i	53	yellow and orange silt and clay plug
97BMF-102-T1-j	60	dark brown silt and clay, coarse-to-fine sand, medium pebbles, sparse charcoal, some wood fiber
97BMF-102-T2-a	4	buff-yellow fine sand, micas, fresh mafics, some wood fibers
97BMF-102-T2-b	23	buff-yellow fine sand, micas, fresh mafics, no organic debris observed
97BMF-102-T2-c	42	buff-yellow and brown fine sand, micas, fresh mafics, no organic debris observed
97BMF-102-T2-d	49	buff-yellow and brown fine sand, micas, fresh mafics, wood chips
97BMF-102-T2-e	58	buff and yellow fine sand, micas, fresh mafics, no organic debris observed
97BMF-102-T3-a	4	buff and yellow fine sand and silt, some wood fibers, fresh mafics, no organic debris observed
97BMF-102-T3-b	15	buff and yellow silt and clay, very fine fresh mafics, micas, no organic debris observed
97BMF-102-T3-c	26	buff and yellow silt and clay, some coarse sand, very fine mafics, micas, wood fibers
97BMF-102-T4-a	6	dark yellow silt and clay, no organic debris observed
97BMF-102-T4-b	13	brown medium-to-fine sand, fresh biotite, some coarse pebbles, no organic debris observed
97BMF-102-T5-a	9	yellow silt and clay, no organic debris observed
97BMF-102-T5-b	25	medium brown silt, coarse-to-medium sand, coarse pebbles, wood fiber, fresh mafics, no organic debris observed
97BMF-102-T5-c	44	brown silt, coarse-to-fine sand, root fibers, oxidized micas and fresh mafics

Table 5. Field numbers, depths to midpoints of intervals, and interval sample descriptions for cores from Bullion Mine tailings impoundments (cont.)

Field No	DEPTH (cm)	sample description
97BMF-102-T6-a	4	buff-yellow silt and clay, moist, no organic debris observed
97BMF-102-T6-b	13	gray silt and clay, no organic debris observed
97BMF-102-T6-c	23	buff-yellow silt and clay, moist, no organic debris observed
97BMF-102-T6-d	31	brown silt, fine sand, strong iron oxidation, no organic debris observed
97BMF-102-T6-e	36	buff-yellow silt and clay, moist, no organic debris observed
97BMF-102-T6-f	41	gray silt and clay, no organic debris observed
97BMF-102-T6-g	45	buff-yellow silt and clay, moist, no organic debris observed
97BMF-102-T6-h	47	gray silt and clay, no organic debris observed
97BMF-102-T6-l	55	buff and yellow medium-to-fine sand, fine fresh mafics, micas, sparse wood fiber
97BMF-102-T7-a	19	buff-yellow fine sand, fine fresh mafics, micas, no organic debris observed
97BMF-102-T7-b	51	buff-yellow fine sand and clay, fine fresh mafics, micas, no organic debris observed
97BMF-102-T7-c	65	buff-yellow fine sand and clay, fine fresh mafics, micas, no organic debris observed
97BMF-102-T7-d	70	buff-yellow fine sand and clay, fine fresh mafics, micas, no organic debris observed
97BMF-102-T7-e	95	gray clay and silt, fine sand, moist, no organic debris observed
97BMF-102-T7-f	106	gray and yellow consolidated clay and silt, fine sand, sulfur odor, moist, no organic debris observed
97BMF-102-T7-g	115	gray and yellow consolidated clay and silt, fine sand, sulfur odor, moist, no organic debris observed
97BMF-102-T7-h	126	gray and yellow consolidated clay and silt, fine sand, sulfur odor, moist, no organic debris observed
97BMF-102-T8-a	13	buff-yellow medium-to-fine sand, very fine fresh mafics, micas, no organic debris observed
97BMF-102-T8-b	36	buff-yellow and orange medium-to-fine sand, very fine fresh mafics, micas, no organic debris observed
97BMF-102-T8-c	54	buff-yellow and orange medium-to-fine sand, very fine fresh mafics, micas, no organic debris observed
97BMF-102-T8-d	66	buff-yellow and orange medium-to-fine sand, very fine fresh mafics, micas, no organic debris observed
97BMF-102-T8-e	72	buff-yellow and orange consolidated medium-to-fine sand, very fine fresh mafics, micas, no organic debris observed
97BMF-102-T8-f	88	buff-yellow and orange consolidated medium-to-fine sand, very fine fresh mafics, micas, no organic debris observed
97BMF-102-T8-g	97	buff-yellow clay, moist, no organic debris observed
97BMF-103-L1-a	6	brown and yellow silt, clay, fine fresh mafics, pine needles
97BMF-103-L1-b	15	buff-yellow silt and clay, no organic debris observed
97BMF-103-L1-c	27	buff-yellow silt and clay, no organic debris observed
97BMF-103-L1-d	38	light brown silt and clay, moderate wood fibers
97BMF-103-L1-e	49	medium brown sand and silt, fine pebbles, no organic debris observed

Table 5. Field numbers, depths to midpoints of intervals, and interval sample descriptions for cores from Bullion Mine tailings impoundments (cont.)

Field No	DEPTH (cm)	sample description
97BMF-103-L2-a	5	buff and tan fine sand, fine fresh mafics, no organic debris observed
97BMF-103-L2-b	14	yellow wood and clay plug
97BMF-103-L2-c	22	brown-tan and buff fine sand, oxidized mica, fine fresh mafics, sparse fine pebbles, no organic debris observed
97BMF-103-L2-d	30	buff-yellow fine sand, fine fresh mafics, no organic debris observed
97BMF-103-L2-e	38	buff-yellow silt and clay, mixed with wood and twigs
97BMF-103-L2-f	45	dark brown medium-to-fine sand, micas, medium pebbles, some wood fiber
97BMF-103-L3-a	9	buff-yellow fine sand, fine fresh mafics, no organic debris observed
97BMF-103-L3-b	21	yellow fine sand and silt, fresh mafics, wood plug
97BMF-103-L3-c	29	yellow-orange silt, mixed with wood plug
97BMF-103-L3-d	42	brown medium-to-fine sand, coarse pebbles, micas, some root fibers
97BMF-103-R1-a	6	brown and burnt orange medium sand, some wood
97BMF-103-R1-b	27	brown coarse-to-fine sand, fresh mafics, strong iron oxidation, some wood
97BMF-103-R1-c	44	orange-brown coarse-to-fine sand, fresh mafics, strong iron oxidation, wood bits
97BMF-103-R1-d	50	white clay, a little organic fiber
97BMF-103-R2-a	7	light yellow silt and clay, slight sulfur odor, no organic debris observed
97BMF-103-R2-b	16	buff-yellow fine sand, very fine fresh mafics, no organic debris observed
97BMF-103-R2-c	22	buff-sage silt and clay, no organic debris observed
97BMF-103-R2-d	31	medium brown coarse-to-medium sand, fine fresh mafics, some wood
97BMF-103-R3-a	2	buff clay, some twigs
97BMF-103-R3-b	8	buff clay, wood, charcoal
97BMF-103-R3-c	26	brown silt and clay, fine sand, little wood, oxidized micas
97BMF-103-T1-a	2	brown and yellow fine sand, pine needles, fresh mafics
97BMF-103-T1-b	10	buff-yellow fine sand, fresh mafics, micas, no organic debris observed
97BMF-103-T1-c	21	buff-yellow fine sand, fresh mafics, micas, iron oxidation, no organic debris observed
97BMF-103-T1-d	30	buff-yellow fine sand, fresh mafics, micas, iron oxidation, no organic debris observed
97BMF-103-T2-a	4	buff-yellow fine sand, fine fresh mafics, no organic debris observed
97BMF-103-T2-b	15	buff-yellow fine sand, fine fresh mafics, no organic debris observed
97BMF-103-T2-c	29	buff-yellow coarse-to-fine sand, fine fresh mafics, no organic debris observed
97BMF-103-T2-d	41	buff-yellow coarse-to-fine sand, fine fresh mafics, iron oxidation, no organic debris observed
97BMF-103-T2-e	53	buff-yellow coarse-to-fine sand, fine fresh mafics, iron oxidation, no organic debris observed

Table 5. Field numbers, depths to midpoints of intervals, and interval sample descriptions for cores from Bullion Mine tailings impoundments (cont.)

Field No	DEPTH (cm)	sample description
97BMF-103-T3-a	6	buff fine sand and silt, a few wood fibers
97BMF-103-T3-b	14	buff fine sand and silt, iron oxidation plug, few wood fibers
97BMF-103-T3-c	25	light gray fine sand and silt, little clay, no organic debris observed
97BMF-103-T3-d	36	yellow fine sand and silt, no organic debris observed
97BMF-103-T3-e	40	yellow clay, fine sand and silt, no organic debris observed
97BMF-103-T3-f	45	buff silt, a little clay, iron oxidation, no organic debris observed
97BMF-103-T3-g	51	buff fine sand and silt, iron oxidation, sparse fine fresh mafics, no organic debris observed
97BMF-103-T3-h	60	buff clay, fine sand and silt, fine fresh mafics, iron oxidation, sparse wood bits
97BMF-103-T3-l	69	buff silt and clay, iron oxidation, few fine fresh mafics, no organic debris observed
97BMF-103-T3-j	75	mixed zone of dark silt and clay, no organic debris observed
97BMF-103-T3-k	82	brown fine sand, some coarse pebbles, wood fiber
97BMF-103-T3-l	93	dark brown rootlet fibers, fine micas
97BMF-103-T3-m	103	dark brown rootlet fibers, fine micas
97BMF-103-T4-a	4	medium brown fine sand and silt, fine fresh mafics, pine needles, wood bits
97BMF-103-T4-b	9	mix of brown-orange-yellow medium-to-fine sand, wood bits
97BMF-103-T4-c	13	buff-brown silt and clay, sparse wood matter, fresh mafics
97BMF-103-T4-d	18	medium brown silt, organics, wood fibers
97BMF-103-T7-a	7	buff-yellow silt and clay, fresh mafics, sparse wood fibers
97BMF-103-T7-b	22	brown medium-to-fine sand, fresh mafics, micas, few twigs
97BMF-103-T7-c	40	buff-yellow silt and clay, sparse very coarse pebbles
97BMF-103-T8-a	15	buff-yellow fine sand and silt, loosely consolidated, fine fresh mafics, oxidized mica, no organic debris observed
97BMF-103-T8-b	40	buff-yellow clay, fine sand and silt, loosely consolidated, fine fresh mafics, oxidized mica, no organic debris observed
97BMF-103-T8-c	58	buff-yellow fine sand and silt, some clay, fine fresh mafics, no organic debris observed
97BMF-103-T9-a	3	buff-yellow fine silt, some wood twigs
97BMF-103-T9-b	13	buff-yellow silt, fine fresh mafics, some clay, no organic debris observed
97BMF-103-T9-c	27	buff-yellow silt, fine fresh mafics, some clay, no organic debris observed
97BMF-103-T9-d	42	brown fine sand, abundant fresh mafics, and oxidized micas
97BMF-103-T9-e	54	buff clay, abundant wood fibers
97BMF-103-T9-f	63	dark brown and orange medium-to-fine sand, some root fibers, iron oxidation, sparse root fibers

Table 5. Field numbers, depths to midpoints of intervals, and interval sample descriptions for cores from Bullion Mine tailings impoundments (cont.)

Field No	DEPTH (cm)	sample description
97BMF-103-T5-a	9	buff and yellow fine sand, mica, fine fresh mafics, few pine needles
97BMF-103-T5-b	26	yellow-white silt and clay, leached, no organic debris observed
97BMF-103-T5-c	38	brown-gray silt and clay, some organic rootlets
97BMF-103-T5-d	46	brown-orange silt and clay, mica, some organic fiber
97BMF-103-T5-e	55	brown-orange silt and clay, mica, iron oxidation, some organic fiber
97BMF-103-T5-f	63	brown silt and clay, some fine to medium pebbles, oxidized micas, no organic debris observed
97BMF-103-T6-a	6	brown and orange coarse to fine sand, fresh mafics, micas, biotite, no organic debris observed
97BMF-103-T6-b	16	gray, slightly yellow silt and clay, iron oxidation, no organic debris observed
97BMF-103-T6-c	28	dark brown very fibrous organic silt, root fibers, some leached clay
97BMF-103-T6-d	43	dark brown very fibrous organic silt, root fibers, some leached clay

Table 6 Field numbers, depths to midpoints of intervals, and interval sample descriptions for cores from Uncle Sam Gulch below Crystal Mine

Field No	DEPTH (cm)	sample description
97BMF-109-1-a	15	tan-brown medium sand, weak iron oxide staining, abundant fresh mafics, loose biotite
97BMF-109-1-b	38	tan-brown coarse-to-medium sand, weak iron oxide staining, fresh mafics, loose biotite
97BMF-109-1-c	56	tan-brown coarse-to-medium sand with some fine pebbles, weak iron oxide staining
97BMF-109-2-a	15	light brown coarse and fine sand with fine pebbles, abundant fresh mafics and loose biotite
97BMF-109-2-b	38	medium sand with silt and clay, some wood, weak iron oxide staining
97BMF-109-2-c	51	silt and clay, some wood and charcoal, moderate iron oxide staining, some oxidized micas
97BMF-109-3-a	2	mostly wood, some tan-gray silt with loose oxidized micas
97BMF-109-3-b	8	coarse and medium sand, charcoal, some fresh mafics
97BMF-109-3-c	18	brown-orange medium and fine sand, loose oxidized micas, some charcoal and wood pieces
97BMF-109-3-d	29	medium brown medium and fine sand, some fine pebbles, charcoal pieces, oxidized micas
97BMF-109-4-a	10	brown-tan medium and fine sand, abundant fresh and oxidized micas, some small twigs
97BMF-109-4-b	32	orange-brown fine sand and silt, loose biotite and oxidized micas, some pine needles
97BMF-109-4-c	53	coarse and fine sand, some wood pieces, abundant iron oxide crusts with fine-to-coarse pebble-size sulfides