

Independent Expert Engineering Investigation and Review Panel

Report on Mount Polley Tailings Storage Facility Breach

Appendix I: ATTACHMENTS

Attachment I1: Impoundment Location Data

Attachment I2: Tailings Dam Inventory Data

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Appendix I
Attachment 1
Impoundment Location Data

Mount Polley Independent Expert Engineering Investigation and Review Panel

British Columbia Tailing Storage Facility Inventory - TSF Location Data

Mine Name	Structure Name / Tailings Impoundment Designation	Permit #	Mine #	Structure Number	Lat Decimal	Long Decimal	Max Ht (m)	Total Design Capacity (m³)	Crest Elevation (m)	Crest Length (m)	Lat Degree	Lat Minute	Lat Second	Long Degree	Long Minute	Long Second
Greenhills Operations	Tailings Pond Main Dam	C-137	600338	60033801	50.05902	-114.85955	45.0	13,364,000	1,725							
Greenhills Operations	Plantside Pond West Dam	C-137	600338	60033802	50.06145	-114.87170	20.0	13,364,000	1,725							
Quintette	Plantside Tailings Dam	C-156	900001	90000101	55.01139	-120.99806	52		2400		55	0	41	-120	-59	-53
Quintette	Shikano North Tailings Dam	C-156	900001	90000102	54.98806	-121.02861	42		841		54	59	17	-121	-1	-43
Bullmoose	South Fork Tailings Impoundment	C-158	900002	90000201	55.13806	-121.47722	38	4,600,000	1122		55	8	17	-121	-28	-38
Quinsam	2N-PL Tailings Facility East Embankment	C-172	800001	80000102	49.92861	-125.47694	17	1,300,000	355	380	49	55	43	-125	-28	-37
Quinsam	2N-PL Tailings Facility North Embankment	C-172	800001	80000101	49.92972	-125.47972	62	1,300,000	355	220	49	55	47	-125	-28	-47
Quinsam	2N-Pit Tailings Facility South Embankment	C-172	800001	80000103	49.92694	-125.47583	42	1,300,000	355	160	49	55	37	-125	-28	-33
Quinsam	2N-Pit Tailings Facility West Embankment	C-172	800001	80000104	49.92722	-125.47833	32	1,300,000	355	440	49	55	38	-125	-28	-42
Quinsam	Old TDF North Dam	C-172	800001	80000106	0.00000	0.00000		60,000	308	45						
Quinsam	Old TDF South Dam	C-172	800001	80000105	49.92580	-125.48083	11	60,000	308.8 - 305.6	127	49	55	57	-125	-28	-51
Elkview Operations	Lagoon A	C-2	600337	60033701	49.75251	-114.87424	4	185,550								
Elkview Operations	Lagoon B	C-2	600337	60033702	49.75406	-114.87428	4	295,000								
Elkview Operations	Lagoon C	C-2	600337	60033703	49.75462	-114.87840	19.5	5,075,200								
Elkview Operations	Lagoon D	C-2	600337	60033704	49.74831	-114.87492	57	22,717,000								
Elkview Operations	West Fork Tailing Facility	C-2	600337	60033705	49.75609	-114.79148	80	14,300,000								
Basin Coal/Tulameen	Emergency Tailings Storage Pond 1	C-217	1500601	150060101	49.50248	-120.76112	5.4	3500	1315							
Basin Coal/Tulameen	Emergency Tailings Storage Pond 2	C-217	1500601	150060102	49.50263	-120.76049	6.5	1800	1314.5							
Basin Coal/Tulameen	Emergency Tailings Storage Pond 3	C-217	1500601	150060103	49.50274	-120.76007	6.5	380	1311							
Basin Coal/Tulameen	Emergency Tailings Storage Pond 4	C-217	1500601	150060104	49.50213	-120.76111	2.9	110	1311							
Basin Coal/Tulameen	Emergency Tailings Storage Pond 5	C-217	1500601	150060105	49.50211	-120.76086	2.5	700	1309.5							
Wolverine Coal	Tailings Storage Facility	C-223	1640013	164001301	55.06556	-121.24694	17	2,280,000	852		55	3	56	-121	-14	-49
Fording River Operations	North Tailings Pond	C-3	1200004	120000401	50.18869	-114.88639	24	3,800,000	1653.3		50	11	20	-114	-53	-11
Fording River Operations	South Tailings Pond	C-3	1200004	120000402	50.17611	-114.87889	33.6	12,100,000	1634.6		50	10	34	-114	-52	-26
Boss Mountain	Tailings Storage Facility Main Dam	M-101	1000261	100026101	52.08917	-120.86861	14.5	7,000,000		1100	52	5	21	-120	-52	-7
Boss Mountain	Tailings Storage Facility North Dam	M-101	1000261	100026102	52.08917	-120.87083	5	7,000,000		500	52	5	57	-120	-52	-15
Highland Valley Copper	Bethlehem Main Dam (Dam No.1)	M-11	300010	30001020	50.50789	-120.99740	95	Pending		1700						
Highland Valley Copper	Bose Lake Dam	M-11	300010	30001021	50.51582	-120.97328	30	Pending	1475.1	650						
Highland Valley Copper	Highland Tailings Storage Facility H-H Dam	M-11	300010	30001002	50.52100	-121.07030	86	1,477,971,429								
Highland Valley Copper	Highland Tailings Storage Facility L-L Dam	M-11	300010	30001001	50.53610	-121.18350	167	1,477,971,429								
Highland Valley Copper	Highmont TSF Dam	M-11	300010	30001035	50.43307	-120.91181	47	Pending								
Highland Valley Copper	Trojan Dam	M-11	300010	30001017	50.51190	-121.01053	61	Pending	1441.5	1700						
Afton/Alix/Abacus Brenda	North Emergency Tailing Retention Pond	M-112	300004	30000406	0.00000	0.00000		?								
Afton/Alix/Abacus Brenda	Tailings Storage Facility East dam	M-112	300004	30000402	50.65199	-120.52306		?			50	39	5	-120	-31	-23
Afton/Alix/Abacus Brenda	Tailings Storage Facility West dam	M-112	300004	30000401	50.65056	-120.54000		?			50	39	2	-120	-32	-24
Equity Silver	Tailings Storage Facility Dam No. 1	M-114	200026	20002602	54.20937	-126.26332	60.0	28,550,000	1,294.0	1,250						
Equity Silver	Tailings Storage Facility Dam No. 2	M-114	200026	20002604	54.19795	-126.27121	20.0	28,550,000	1,294.0	600						
Equity Silver	Tailings Storage Facility Diversion Dam	M-114	200026	20002603	54.20335	-126.27545	30.0	28,550,000	1,294.0	1,000						
Brenda	Tailings Scarde Dam	M-12	300173	30017302	49.88482	-119.86190	38	8,980,000	1382.9	945						
Brenda	Tailings Main Dam	M-12	300173	30017301	49.88656	-119.84542	137	8,980,000	1382.9	2040						
Table Mountain/Cusac Brenda	Tailings Facility No 1	M-127	100115	10011501	59.23599	-128.32489	5	?			59	14	9.58	-128	40	30.4
Table Mountain/Cusac Brenda	Tailings Facility No 2	M-127	100115	10011502	59.23949	-128.33563	5	?			59	14	22.16	-128	39	51.72
Mosquito Creek	Tailings Storage Facility	M-133	100000	10000001	53.11444	-121.59222	43	-52,000		300	53	6	52	-121	-35	-32
Carroll/Ladner Creek	Tailings Storage Facility	M-138	700180	70018001	49.49563	-121.28339	43		978.4	300	49	29	45	-121	-17	0
Goldstream	Tailings Storage Facility North Dam	M-147	400024	40002401	51.63944	-118.50833	15	?	691.5		51	38	22	-118	-30	-30
Goldstream	Tailings Storage Facility West Dam	M-147	400024	40002402	51.64093	-118.50956	21	?	691.5		51	38	27	-118	-30	-2
Venus	Tailings Storage Facility Pond 1	M-148	100267	10026701	59.95472	-134.70596		?			59	57	17	-134	-42	-20
Venus	Tailings Storage Facility Pond 2	M-148	100267	10026702	59.95500	-134.70389		?			59	57	18	-134	-42	-14
Venus	Tailings Storage Facility Pond 3	M-148	100267	10026703	59.95528	-134.70306		?			59	57	19	-134	-42	-11
Taurus Gold	Tailings Storage Facility No 1 (Upper Tailings)	M-149	1600029	160002901	49.94500	-122.58750		?			49	56	42	-123	24	45
Taurus Gold	Tailings Storage Facility No 2 (TF2-2)	M-149	1600029	160002902	49.94500	-122.58750		112,000			49	56	42	-123	24	45
Taurus Gold	Tailings Storage Facility No 2 (TF2-3)	M-149	1600029	160002903	49.94500	-122.58750		30,000			49	56	42	-123	24	45
Valentine Mountain/Ashtu?	Tailings Storage Facility	M-165			49.947496	-123.41088	12	42,000		98	49	56	42	-123	24	45

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British Columbia Tailings Storage Facility Inventory - TSF Location Data

Mine Name	Structure Name / Tailings Impoundment Designation	Permit #	Mine #	Structure Number	Lat Decimal	Long Decimal	Max Ht (m)	Total Design Capacity (m ³)	Crest Elevation (m)	Crest Length (m)	Lat Degree	Lat Minute	Lat Second	Long degree	Long Minute	Long Second
Bolvain/View Project?	Tailings Storage Facility	M-161	300007	30000701	49.78037	-123.41118					49	45	37.33	-124	35	19.75
Blackdome	Tailings Storage Facility	M-171	400002	40000201	51.32139	-122.50694					51	19	17	-122	-30	-25
Nickel Plate	Tailings Dam	M-173	400007	40000701	49.35507	-120.01995	48.8	8,200,000								
Lawyers/Chen	Tailings Storage Facility	M-174	200364	20036401	57.34556	-127.14944					57	20	44	-127	-8	-58
Johnny Mountain	Tailings Storage Facility	M-178	100001	10000101	56.63111	-131.07806	10	193,000			56	37	52	-131	-4	-41
Premier Gold Project	East Access Rd Dam	M-179	100004	10000402	56.08444	-130.02639	10	2,620,000	336.6		56	3	52	-130	-1	-35
Premier Gold Project	Main Tailings Dam	M-179	100004	10000401	56.08111	-130.03222	51	2,620,000	336.6		56	3	40	-130	-1	-56
Cassiar-McDane	Tailings Storage Pile	M-18	100000	10000001	59.32184	-128.18444	0				59	19	19	-129	48	56
Parson Barite	Fine Tailings Pond	M-180	600251	60025101	51.02528	-115.34917					51	1	31	-116	39	3
Moberly Silica	Tailing Pond	M-181	600250	60025001	51.37167	-115.03528					51	22	18	-116	57	53
Candorado/Hedley Tailings	Tailings Deposit (E side of Hedley Creek)	M-183	400003	40000301	49.35083	-120.07944	49	21	3		49	21	3	-120	-4	-46
Candorado/Hedley Tailings	Tailings Deposit (N side of Similkameen River)	M-183	400003	40000302	49.34778	-120.07806					49	20	52	-120	-4	-41
Samatsum	Tailings Impoundment	M-184	1500148	150014801	51.16750	-119.80361	30	250,000	[1134.4]		51	10	3	-119	-48	-13
Golden Bear	Tailings Storage Facility	M-187	100022	10002201	56.19472	-132.32778	5		979.5		56	11	41	-132	-19	-40
Shasta/Multinational B & Baker Mill	Tailings Pond #1	M-189	1300245	130024501	57.27361	-127.10611	26.5		1529		57	16	25	-127	-6	-22
Shasta/Multinational B & Baker Mill	Tailings Pond #2	M-189	1300245	130024502	57.27306	-127.10167	10				57	16	23	-127	-6	-6
Shasta/Multinational B & Baker Mill	Tailings Facility Dyke 1	M-190	100008	10000801	56.66861	-131.12444	10	675,000	175		56	39	49	-131	-7	-28
Shasta/Multinational B & Baker Mill	Tailings Facility Dyke 3	M-190	100008	10000802	56.66861	-131.11611	20	675,000	155		56	40	7	-131	-6	-58
Eskay Creek	Tom Mackay Lake Tailings Facility	M-197	100073	10007305	56.63989	-129.57111	0				56	39	14	-130	25	44
OR	Tailings Cross Dyke	M-198	100069	10006902	52.67305	-121.78962	15	1,300,000	1031							
OR	Tailings Main Dam	M-198	100069	10006901	52.67773	-121.79239	30	1,300,000	1031							
Mount Polley	Tailings Storage Facility Main Embankment	M-200	1101163	110116301	52.51861	-121.59056	52	83,302,220	963.8	4200	52	30	31	-121	-35	-26
Mount Polley	Tailings Storage Facility Perimeter Embankment	M-200	1101163	110116302	52.51861	-121.59056	52	83,302,220	963.8	4200	52	30	28	-121	-36	-12
Mount Polley	Tailings Storage Facility South Embankment	M-200	1101163	110116303	52.50778	-121.60333	25	83,302,220	963.8	4200	52	30	28	-121	-36	-12
Huckleberry	East Pit Plug Dam	M-203	200094	20009404	53.67778	-127.15167	40	13,000,000	1040	500	53	40	40	-127	-9	-6
Huckleberry	Orica Saddle Dam	M-203	200094	20009403	53.67482	-127.18033	9	30,000,000	1079.7							
Huckleberry	Tailings Management Facility TMF-2 East Dam	M-203	200094	20009402	53.68111	-127.17806	40	30,000,000	1080	600	53	40	52	-127	-10	-41
Huckleberry	Tailings Management Facility TMF-2 Main Dam	M-203	200094	20009401	53.67417	-127.19722	110	30,000,000	1081	1800	53	40	27	-127	-11	-50
Huckleberry	Tailings Management Facility TMF-3	M-203	200094	20009406	53.68333	-127.23333	103	-60,000	995	0	53	41	0	-127	-14	0
Kemess South	East Pit Dam?	M-206	1300244	130024404	57.00472	-126.74417					57	0	17	-126	-44	-39
Kemess South	Tailings Storage Facility Main Dam	M-206	1300244	130024401	57.02194	-126.67139	165	190,000,000	1510		57	0	17	-126	-44	-39
Bralorne	Main Tailings Dam	M-207	300310	30031001	50.78500	-122.83833	11.6	740,000	3459		50	47	6	-122	-50	-17
BowlMay Mac/Boundary Falls	Roberts Mill Tailings Pond	M-209	1400027	140002701	49.05944	-118.70583	12	-15,000			49	3	34	-118	-42	-21
Lumby Project Quinto	North Tailings Pond TSF1	M-215	400056	40005602	50.28444	-118.95556	2.3				50	15	52	-118	-57	-20
Lumby Project Quinto	South Tailings Pond TSF2	M-215	400056	40005601	50.28500	-118.95500	2.3				50	15	54	-118	-57	-18
HB Tailings landfill	Tailings Storage Facility	M-218	500082	50008201	49.13111	-117.25111	25		710	240	49	7	52	-117	-15	-4
Churchill Copper	Tailings Facility #1	M-222	?	?	58.48917	-125.40917					58	29	21	-125	-24	-33
Churchill Copper	Tailings Facility #2 North Embankment Dam	M-222	?	?	58.48917	-125.40917					58	29	21	-125	-24	-33
Churchill Copper	Tailings Facility #2 North Saddle Dam	M-222	?	?	58.48917	-125.40917					58	29	21	-125	-24	-33
Churchill Copper	Tailings Facility #2 South Saddle Dam	M-222	?	?	58.48917	-125.40917					58	29	21	-125	-24	-33
Max Molybdenum	Tailings Facility Northwest Dam	M-226	500770	50077001	50.65085	-117.57378	30	1,304,000	804		50	38	43	-120	-30	-34
Max Molybdenum	Tailings Facility Southeast Dam	M-226	500770	50077002	50.64913	-117.56898	37	1,304,000	804		50	38	43	-120	-30	-34
Benson Lake	Tailings Storage Facility (North)	M-228			50.38250	-127.23667					50	22	57	-127	-14	-12
Benson Lake	Tailings Storage Facility (South)	M-228			50.38000	-127.23722					50	22	48	-127	-14	-14
New Alton	Pit Dam	M-229	300614	30061407	50.65194	-120.49639				709	50	39	7	-120	-29	-47
New Alton	Tailings Disposal Facility South Dam	M-229	300614	30061401	50.64528	-120.50944				765	50	38	43	-120	-30	-34
New Alton	TDF Starter Dam A	M-229	300614	30061403	0.00000	0.00000				765	50	38	43	-120	-30	-34
New Alton	TDF Starter Dam B	M-229	300614	30061404	0.00000	0.00000				765	50	38	43	-120	-30	-34
New Alton	TDF Starter Dam C	M-229	300614	30061405	0.00000	0.00000				765	50	38	43	-120	-30	-34
New Alton	TDF West Dam	M-229	300614	30061402	50.64972	-120.51639				765	50	38	43	-120	-30	-34
Galore Creek	Tailings Storage Facility	M-230	100887	10088701	57.13583	-130.54444					57	8	9	-131	27	20
Greenwood (Zip)	Tailings Storage Facility	M-233	1630157	163015701	49.08684	-118.56600	15.1	125,300 m ³	1187.5	350						

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Yellowjacket	Old Tailings Pond	M-235	100028	10002802	59.59587	-121.54925		?								
Yellowjacket	Tailings Pond	M-235	100028	10002801	59.59776	-121.54935		?								
Mount Milligan	Tailings Storage Facility North Dam	M-236	1300188	130018804	55.12389	-123.97250		?			55	7	26	-124	1	39
Mount Milligan	Tailings Storage Facility Northeast Dam	M-236	1300188	130018803	55.12389	-123.97250		?			55	7	26	-124	1	39
Mount Milligan	Tailings Storage Facility South Dam	M-236	1300188	130018801	55.12389	-123.97250		?			55	7	26	-124	1	39
Mount Milligan	Tailings Storage Facility Southeast Dam	M-236	1300188	130018802	55.12389	-123.97250		?			55	7	26	-124	1	39
Mount Milligan	West Separator Berm	M-236	1300188	130018805	55.12389	-123.97250		?			55	7	26	-124	1	39
Dome Mountain	Tailings Storage Facility (Feasibility Design)	M-237	200006	20000601	54.74028	-125.97778		?			54	44	25	-126	37	20
Red Chris	Tailings Storage Facility North Dam	M-240	101102	10110201	57.69972	-128.19472		?			57	41	59	-129	48	19
Red Chris	Tailings Storage Facility Northeast Dam	M-240	101102	10110203	57.69972	-128.19472		?			57	41	59	-129	48	19
Red Chris	Tailings Storage Facility South Dam	M-240	101102	10110202	57.69972	-128.19472		?			57	41	59	-129	48	19
Myra Falls	Lynx Tailings Disposal Facility	M-26	800007	80000702	49.57542	-125.60263	58	2,400,000	3396.1							
Myra Falls	Myra Tailings Disposal Facility	M-26	800007	80000701	49.57323	-125.58799	43	11,600,000	3391.8							
Copper Mountain (Similco)	Tailings Storage Facility East Dam	M-29	300009	30000902	49.35722	-120.50816	112	2,500,000	925	493						
Copper Mountain (Similco)	Tailings Storage Facility West Dam	M-29	300009	30000901	49.36322	-120.53944	117	2,500,000	925	631						
Gallowai/Bul River	Tailings Impoundment (previous operation)	M-33	120006	12000601	49.50049	-115.38327					49	30	12	-115	23	9
Bell	Main Tailings Impoundment Dam 2	M-35	200004	20000402	54.97500	-126.22889	15	48,000,000		305	54	58	30	-126	-13	-44
Bell	Main Tailings Impoundment Dam 3	M-35	200004	20000403	54.97806	-126.22056	21	48,000,000		460	54	58	41	-126	-13	-14
Bell	Main Tailings Impoundment Dam 4	M-35	200004	20000404	54.98556	-126.22333	21	48,000,000		305	54	59	8	-126	-13	-24
Bell	Main Tailings Impoundment Dam 5	M-35	200004	20000405	54.98944	-126.22333	30	48,000,000		70	54	59	22	-126	-13	-24
Bell	Main Tailings Impoundment Dam 6	M-35	200004	20000406	54.99472	-126.23000	45	48,000,000		460	54	59	41	-126	-13	-48
Bell	Main Tailings Impoundment Dam 1	M-35	200004	20000401	54.98033	-126.23278	52	48,000,000		1525	54	58	51	-126	-13	-58
Bell	Tailings Pond Extension Dam 7	M-35	200004	20000407	54.98833	-126.21861	55	1,000,000		366	54	59	18	-126	-13	-7
Bell	Tailings Pond Extension Dam 8	M-35	200004	20000408	54.99361	-126.22361	30	1,000,000		305	54	59	37	-126	-13	-25
Endako	Tailings Pond #1 Dam 1-A	M-4	900003	90000302	54.04556	-125.07917	68.6		959.5		54	2	44	-125	-4	-45
Endako	Tailings Pond #1 North Dam	M-4	900003	90000301	54.05833	-125.08667	85.3	115,000,000	960.4		54	3	30	-125	-5	-12
Endako	Tailings Pond #2 East Dam	M-4	900003	90000305	54.02056	-125.10361	96	10,000	994		54	1	14	-125	-6	-13
Endako	Tailings Pond #2 Saddle Dam	M-4	900003	90000307	54.01639	-125.11056	79.3		994		54	0	59	-125	-6	-38
Endako	Tailings Pond #2 South Dam	M-4	900003	90000306	54.01639	-125.10361	112.8		997.6		54	0	59	-125	-6	-13
Endako	Tailings Pond #2 Southwest Dyke	M-4	900003	90000308	54.01750	-125.12556	6.7		990.6		54	1	3	-125	-7	-32
Endako	Tailings Pond #3 North Dam Infill Embankment	M-4	900003	90000304	54.05389	-125.11111	17.1		960.1		54	3	14	-125	-6	-40
Endako	Tailings Pond #3 West Dam	M-4	900003	90000303	54.05333	-125.10750	16.8		966.2		54	3	12	-125	-6	-27
Gibraltar	Tailings North Earthfill Dam	M-40	900004	90000402	52.57222	-122.26361	18.9	102,206,070	3582.2 ft		52	34	20	-122	-15	-49
Gibraltar	Tailings Storage East Saddle Dam	M-40	900004	90000403	52.55028	-122.22611	25.9	102,206,070	3580.6 ft		52	33	1	-122	-13	-34
Gibraltar	Tailings Storage Main (Cyclone Sand) Dam	M-40	900004	90000401	52.56944	-122.28500	106.7	102,206,070	3586.6 ft		52	34	10	-122	-17	-6
Pinchi Lake	Emergency Spills Lagoon	M-5	1640007	164000702	54.62639	-124.43806	9	?			54	37	35	-124	-26	-17
Pinchi Lake	Tailings Storage Facility	M-5	1640007	164000701	54.62722	-124.42894	15	-1,000,000		-2000	54	37	38	-124	-25	-37
Alwin/Dekalb (aka Little OK Lake)	Tailings Storage Facility	M-50	300419	30041901	50.47833	-121.10694		?			50	28	42	-121	-6	-25

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British Columbia Tailings Storage Facility Inventory - TSF Location Data

Mine Name	Structure Name / Tailings Impoundment Designation	Permit #	Mine #	Structure Number	Lat Decimal	Long Decimal	Max Ht (m)	Total Design Capacity (m ³)	Crest Elevation (m)	Crest Length (m)	Lat Degree	Lat Minute	Lat Second	Long degree	Long Minute	Long Second
Granisle	No. 1 Tailings Pond Dam 1	M-6	200039	20003901	54.94083	-126.17500	36.6	4,000,000		300	54	56	27	-126	-10	-30
Granisle	No. 2 Tailings Pond Dam 2	M-6	200039	20003902	54.93639	-126.14944	75	30,000,000		1100	54	56	11	-126	-8	-58
Granisle	No. 2 Tailings Pond Dam 3	M-6	200039	20003903	54.93444	-126.16556	60	30,000,000		600	54	56	4	-126	-9	-56
Granisle	No. 2 Tailings Pond Dam 4	M-6	200039	20003904	54.93944	-126.15917	75	30,000,000		1050	54	56	22	-126	-9	-33
Granisle	No. 2 Tailings Pond Dam 5	M-6	200039	20003905	54.93056	-126.16500	21	30,000,000		370	54	55	50	-126	-9	-54
Giant Nickel/Pride of Emory	Lower Tailings Storage Facility	M-64	400002	40000202	49.43036	-121.45667		?			49	28	59	-121	-27	-42
Giant Nickel/Pride of Emory	Upper Tailings Storage Facility	M-64	400002	40000201	49.48111	-121.46167		?			49	28	52	-121	-27	-42
Silvana/Klondike Silver/Hinckley	Tailings Storage Facility Pond No 1	M-65	500001	50000101	49.98056	-117.24000	20	?			49	58	50	-117	-14	-24
Silvana/Klondike Silver/Hinckley	Tailings Storage Facility Pond No 2	M-65	500001	50000102	49.98194	-117.24194	15	?			49	58	55	-117	-14	-31
Silvana/Klondike Silver/Hinckley	Tailings Storage Facility Pond No 3	M-65	500001	50000103	49.98306	-117.24361	10	?			49	58	59	-117	-14	-37
Craigmont	Expanded Tailings Facility Dyke 1	M-68	1500125	150012503	50.18833	-120.87833		?	665		50	11	18	-120	-52	-42
Craigmont	Expanded Tailings Facility Dyke 2	M-68	1500125	150012504	50.18917	-120.88306		?	662		50	11	21	-120	-52	-59
Craigmont	Expanded Tailings Facility Dyke 3	M-68	1500125	150012505	50.18833	-120.88222		?	663		50	11	18	-120	-52	-56
Craigmont	Lower Tailings Facility	M-68	1500125	150012502	50.18528	-120.88389		?	663		50	11	7	-120	-53	-2
Craigmont	Upper Tailings Facility	M-68	1500125	150012501	50.19306	-120.88972		?	666		50	11	35	-120	-53	-23
Craigmont	West Tailings Facility Dyke 4	M-68	1500125	150012506	50.18861	-120.88861	13	?	663		50	11	19	-120	-53	-19
Beaverdell	North Tailings Management Facility Cell 6	M-71	400004	40000406	49.44083	-119.09811	12	?			49	26	27	-119	-5	-46
Beaverdell	North Tailings Management Facility Cell 7	M-71	400004	40000407	49.44111	-119.09778	10	?			49	26	28	-119	-5	-52
Beaverdell	South Tailings Management Facility Cell 1	M-71	400004	40000401	49.43472	-119.10028	4	?			49	26	5	-119	-6	-1
Beaverdell	South Tailings Management Facility Cell 2	M-71	400004	40000402	49.43556	-119.09861		?			49	26	8	-119	-5	-55
Beaverdell	South Tailings Management Facility Cell 3	M-71	400004	40000403	49.43750	-119.09556	3	?			49	26	15	-119	-5	-44
Beaverdell	South Tailings Management Facility Cell 4	M-71	400004	40000404	49.43500	-119.09639	14	?			49	26	6	-119	-5	-47
Beaverdell	South Tailings Management Facility Cell 5	M-71	400004	40000405	49.43417	-119.09833	8	?			49	26	3	-119	-5	-54
Mount Copeland	Tailings Storage Facility	M-72			51.10028	-118.46694	7				51	6	1	-118	-28	-1
Sullivan	Active Iron Pond (Emergency Storage Pond)	M-74	600001	60000102	49.65401	-115.93580	29	380,000		2070						
Sullivan	Calcine Dyke	M-74	600001	60000113	49.64653	-115.95668	15	?		518						
Sullivan	East Gypsum Pond East Dyke	M-74	600001	60000103	49.64419	-115.92837	16.8	?		670						
Sullivan	East Gypsum Pond Northeast Dyke	M-74	600001	60000104	49.65206	-115.92486	10	?		120						
Sullivan	Old Iron Pond	M-74	600001	60000101	49.70781	-115.95265	12.2	?		1700						
Sullivan	Siliceous Pond 1	M-74	600001	60000110	49.65886	-115.91967	16.8	?		2070						
Sullivan	Siliceous Pond 3	M-74	600001	60000112	49.65763	-115.91527	12	?		1550						
Sullivan	Siliceous Pond 2	M-74	600001	60000111	49.71014	-115.92584	11	?		731						
Sullivan	West Gypsum Pond Dyke	M-74	600001	60000105	49.64517	-115.94028	23	?		640						
Red Mtn (Rossland)	Good Friday Tailings Storage Facility	M-8	500456	50045602	49.09444	-117.82861	20	?	1286		49	5	40	-117	-49	-43
Red Mtn (Rossland)	Jumbo Tailings Storage Facility	M-8	500456	50045601	49.09833	-117.83000	28	?	1295		49	5	54	-117	-49	-48
Dancoe	Tailings Storage Facility	M-95	400006	40000601	49.04917	-119.70139		?			49	2	57	-119	-42	-5
New Privateer/Privateer	Tailings Storage Facility	MX-8-180			50.02972	-126.82306	10			60	50	1	47	-126	-49	-23
Mineral King	Unknown	O-100			50.35255	-115.59896					50	21	9.19	-116	-24	3.74

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British Columbia Tailing Storage Facility Inventory - TSF Location Data

Mine Name	Structure Name / Tailings Impoundment Designation	Permit #	Mine #	Structure Number	Lat Decimal	Long Decimal	Max Ht (m)	Total Design Capacity (m ³)	Crest Elevation (m)	Crest Length (m)	Lat Degree	Lat Minute	Lat Second	Long degree	Long Minute	Long Second
Totals	181	181			181	181	34.2	65240189.1								
PKE NOTES FOR READER:																
1) Red Lat/Long text has been either obtained from the online MINFILE database, or from Google Earth																

Appendix I
Attachment 2
Tailings Dam Inventory Data

Mount Polley Independent Expert Engineering Investigation and Review Panel

British Columbia Tailing Storage Facility Inventory - TSF Inventory Data

Mine Name	Structure Name / Tailings Impoundment Designation	Structure Number	Permit #	Permit Date	Est. Mining Operation Dates	Est. TSF Construction Start Date	Effective TSF Start Date	Est. Begin Discharge (year)	Currently Holds Water? (Y/N)	End Water Storage' (year)	TSF Years in Operation	TSF Years in Operation since 1989	Comments
Greenhills Operations	Tailings Pond Main Dam	60033801	C-137	13-Aug-83	1982-2010	1983	1983	1983	Y	2014	31	31	
Greenhills Operations	Tailings Pond West Dam	60033802	C-137	13-Aug-83	1982-2010	1983	1983	1983	Y	2014	21	21	
Quintette	Plantate Tailings Dam	90000101	C-156	9-Dec-71	1984	1984	1984	1984	N	1997	13	13	Very low water levels.
Quintette	Shikano North Tailings Dam	90000102	C-156	9-Dec-71	1984	1984	1984	1984	N	2000	3	3	Very low water levels.
Bullnose	South Fork Tailings Impoundment	90000201	C-158	3-Dec-79	1983-2003	1984	1984	1984	Y	2014	30	30	
Quirsum	2N-PT Tailings Facility East Embankment	80000102	C-172	15-May-86	1984-1994	1989	1989	1989	Y	2014	15	15	
Quirsum	2N-PT Tailings Facility North Embankment	80000101	C-172	15-May-86	1984-1994	1989	1989	1989	Y	2014	15	15	
Quirsum	2N-PT Tailings Facility South Embankment	80000103	C-172	15-May-86	1984-1994	1989	1989	1989	Y	2014	15	15	
Quirsum	2N-PT Tailings Facility West Embankment	80000104	C-172	15-May-86	1984-1994	1989	1989	1989	Y	2014	15	15	
Quirsum	Old TDF North Dam	80000106	C-172	15-May-86	1984-1994	1983	1983	1983	unknown loc.	2014	31	31	may be recontoured
Quirsum	Old TDF South Dam	80000105	C-172	15-May-86	1984-1994	1989	1989	1989	Y	1994	11	11	area behind dam is heavily recontoured
Ekview Operations	Lagoon A	60033701	C-2	1971	1980-2010	1989	1989	1989	Y	2014	45	45	
Ekview Operations	Lagoon B	60033702	C-2	1971	1980-2010	1989	1989	1989	N	2010	41	41	
Ekview Operations	Lagoon C	60033703	C-2	1971	1980-2010	1970	1970	1970	N	2010	40	40	
Ekview Operations	Lagoon D	60033704	C-2	1971	1980-2010	1972	1972	1972	N	2014	42	42	
Ekview Operations	West Fork Tailing Facility	60033705	C-2	1971	1980-2010	2006	2006	2006	(N)	2010	4	4	Lat/Long put this facility in the trees...historic?
Basin Coal/Tulameen	Emergency Tailings Storage Pond 1	150060101	C-217	25-Aug-00	2002-2006	2002-2006	2002-2006	2002-2006	N	2014	8	8	Emergency Pond - not to be included in inventory
Basin Coal/Tulameen	Emergency Tailings Storage Pond 2	150060102	C-217	25-Aug-00	2002-2006	2002-2006	2002-2006	2002-2006	N	2014	8	8	Emergency Pond - not to be included in inventory
Basin Coal/Tulameen	Emergency Tailings Storage Pond 3	150060103	C-217	25-Aug-00	2002-2006	2002-2006	2002-2006	2002-2006	N	2014	8	8	Emergency Pond - not to be included in inventory
Basin Coal/Tulameen	Emergency Tailings Storage Pond 4	150060104	C-217	25-Aug-00	2002-2006	2002-2006	2002-2006	2002-2006	N	2014	8	8	Emergency Pond - not to be included in inventory
Basin Coal/Tulameen	Emergency Tailings Storage Pond 5	150060105	C-217	25-Aug-00	2002-2006	2002-2006	2002-2006	2002-2006	N	2014	8	8	Emergency Pond - not to be included in inventory
Wolverine Coal	Tailings Storage Facility	164001301	C-253	31-Mar-05	2006-Present	2006	2006	2006	Y	2014	8	8	
Fording River Operations	North Tailing Pond	12000401	C-3	1-Dec-78	1972-2010	1971	1971	1971	Y	2014	43	43	
Fording River Operations	South Tailing Pond	12000402	C-3	1-Dec-78	1972-2010	1978	1978	1978	Y	2014	36	36	
Basin/Windmill	Tailings Storage Facility Main Dam	10033801	M-131	6-Jun-74	1985-1988	1985	1985	1985	Y	2014	29	29	
Basin/Windmill	Bethlehem Main Dam (Dam No.1)	10033802	M-131	6-Jun-74	1985-1988	1985	1985	1985	Y	2014	29	29	
Highland Valley Copper	Besse Lake Dam	30001021	M-11	20-Jan-70	1983-2011	1984	1984	1984	(V)	2014	45	45	Very low water levels
Highland Valley Copper	Highland Tailings Storage Facility H-H Dam	30001022	M-11	20-Jan-70	1983-2011	1972	1972	1972	Y	2014	42	42	
Highland Valley Copper	Highland Valley Copper	30001023	M-11	20-Jan-70	1983-2011	1976	1976	1976	Y	2014	38	38	
Highland Valley Copper	Highland Valley Copper L-L Dam	30001024	M-11	20-Jan-70	1983-2011	1980	1980	1980	Y	2014	34	34	Very low water levels
Highland Valley Copper	Highland Valley Copper	30001025	M-11	20-Jan-70	1983-2011	1980	1980	1980	Y	2014	34	34	Very low water levels
Highland Valley Copper	Highland Valley Copper	30001026	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001027	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001028	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001029	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001030	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001031	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001032	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001033	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001034	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001035	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001036	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001037	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001038	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001039	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001040	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001041	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001042	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001043	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001044	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001045	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001046	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001047	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001048	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001049	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001050	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001051	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001052	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001053	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001054	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001055	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001056	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001057	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001058	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001059	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001060	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001061	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001062	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001063	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001064	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001065	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001066	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001067	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001068	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001069	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001070	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001071	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001072	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001073	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001074	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001075	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50	50	
Highland Valley Copper	Highland Valley Copper	30001076	M-11	20-Jan-70	1983-2011	1984	1984	1984	Y	2014	50		

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British Columbia Tailing Storage Facility Inventory - TSF Inventory Data

Mine Name	Structure Name / Tailings Impoundment Designation	Structure Number	Permit #	Permit Date	Est. Mining Operation Dates	Est. TSF Construction Start Date	Effective TSF Start Date	Est. Begin Tailings Discharge (year)	Currently Holds Water? (Y/N)	End Water Storage' (year)	TSF Years in Operation	TSF Years in Operation since 1989	Comments
Caracul/Hedley Tailings	Tailings Deposit (N side of Similkameen river)	40006032	M-183	1989?7	1988-1993				N				Mine permits may have been issued for mining of the historic tailings...making this a permit with no TSF or a TSF with no permit. Either way, it can be removed from the inventory
Samalcoam	Tailings Impoundment	150014801	M-184	15-Mar-89	1989-1982	1980	1980	1990	Y	2014	24	24	
Golden Bear	Tailings Storage Facility	130022501	M-187	18-Jan-89	1990-2001	1989	1989	1990	(Y)	2014	25	25	Google Earth imagery insufficient to determine
Shasta/Maintenance B & Baker Mill	Tailings Pond #1	130024501	M-189	23-Feb-90	1981-2000	1979	1979	1979	(Y)	2014	35	35	Google Earth imagery snow covered
Shasta/Maintenance B & Baker Mill	Tailings Pond #2	130024502	M-189	23-Feb-90	1981-2000	2012	2012	2012	(Y)	2014	2	2	Google Earth imagery snow covered
Snip	Tailings Facility Dike 1	10003801	M-190	1990	1991-1989	1990	1990	1990	N	2014	24	24	
Snip	Tailings Facility Dike 3	10003802	M-190	1990	1991-1989	1990	1990	1990	N	1999	9	9	
Snip	Tailings Facility Dike 4	10003803	M-190	1990	1991-1989	1990	1990	1990	N	2014	24	24	
East Fork	Tom Tailings Pond	10003804	M-190	28-Jul-84	1985-1988	1984	1984	1985	Y	2014	19	19	
GR	Tailings Pond	10003805	M-190	28-Jul-84	1985-1988	1984	1984	1985	Y	2014	19	19	
GR	Tailings Main Dam	10006801	M-198	18-Jul-84	1985-1988	1985	1985	1985	Y	2014	18	18	
GR	Tailings Main Dam	10006802	M-198	18-Jul-84	1985-1988	1985	1985	1985	Y	2014	18	18	
GR	Tailings Main Dam	10006803	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006804	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006805	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006806	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006807	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006808	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006809	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006810	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006811	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006812	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006813	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006814	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006815	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006816	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006817	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006818	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006819	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006820	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006821	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006822	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006823	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006824	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006825	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006826	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006827	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006828	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006829	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006830	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006831	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006832	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006833	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006834	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006835	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006836	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006837	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006838	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006839	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006840	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006841	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006842	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006843	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006844	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006845	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006846	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006847	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006848	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006849	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006850	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006851	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006852	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006853	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006854	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006855	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006856	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006857	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006858	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006859	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006860	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006861	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006862	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006863	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006864	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006865	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006866	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006867	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006868	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006869	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006870	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006871	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006872	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006873	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014	18	18	
GR	Tailings Main Dam	10006874	M-198	18-Jul-84	1985-1988	1985	1985	1987	Y	2014			

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British Columbia Tailing Storage Facility Inventory - TSF Inventory Data

Mine Name	Structure Name / Tailings Impoundment Designation	Structure Number	Permit #	Permit Date	Est. Mining Operation Dates	Est. TSF Construction Start Date	Effective TSF Start Date	Est. Begin Tailings Discharge (year)	Currently Holds Water? (Y/N)	End Water Storage' (Year)	TSF Years in Operation	TSF Years in Operation since 1989	Comments
Galloway/Bell River	Tailings Impoundment (previous operation)	120000601	M-33	29-Sep-70	1971-1974; still operating?	1970	1970		N	1974	4	4	
Bell	Main Tailings Impoundment Dam 2	20000402	M-35	20-Oct-70	1972-1992	1980	1980		Y	2014	34	34	
Bell	Main Tailings Impoundment Dam 3	20000403	M-35	20-Oct-70	1972-1992	1980	1980		Y	2014	34	34	
Bell	Main Tailings Impoundment Dam 4	20000404	M-35	20-Oct-70	1972-1992	1980	1980		Y	2014	34	34	
Bell	Main Tailings Impoundment Dam 5	20000405	M-35	20-Oct-70	1972-1992	1982	1982		Y	2014	32	32	
Bell	Main Tailings Impoundment Dam 6	20000406	M-35	20-Oct-70	1972-1992	1982	1982		Y	2014	32	32	
Bell	Main Tailings Impoundment Dam 1	20000401	M-35	20-Oct-70	1972-1992	1980	1980		Y	2014	34	34	
Bell	Tailings Pond Extension Dam 7	20000407	M-35	20-Oct-70	1972-1992	1988	1988		(N)	2003	14	14	
Bell	Tailings Pond Extension Dam 8	20000408	M-35	20-Oct-70	1972-1992	1989	1989		(N)	2003	14	14	
Erndako	Tailings Pond #1 Dam 1-A	90000302	M-4	11-Mar-70	1965-2010	1972	1972	[1972]	Y	2014	42	42	
Erndako	Tailings Pond #1 North Dam	90000301	M-4	11-Mar-70	1965-2010	1972	1972	[1972]	Y	2014	42	42	
Erndako	Tailings Pond #2 East Dam	90000305	M-4	11-Mar-70	1965-2010	1972	1972	[1972]	Y	2014	42	42	
Erndako	Tailings Pond #2 Saddle Dam	90000307	M-4	11-Mar-70	1965-2010	1972	1972	[1972]	Y	2014	42	42	
Erndako	Tailings Pond #2 South Dam	90000306	M-4	11-Mar-70	1965-2010	1972	1972	[1972]	Y	2014	42	42	
Erndako	Tailings Pond #2 Southwest Dyke	90000308	M-4	11-Mar-70	1965-2010	1972	1972	[1972]	Y	2014	42	42	
Erndako	Tailings Pond #3 North Dam Infill Embankment	90000304	M-4	26-Nov-80	1965-2010	2010	2010	2010	N	2014	4	4	
Erndako	Tailings Pond #3 West Dam	90000303	M-4	26-Nov-80	1965-2010	2010	2010	2010	Y	2014	4	4	
Gibraltar	Tailings North Earthen Dam	90000402	M-40	12-Feb-71	1990-2014	1990	1990		Y	2014	24	24	
Gibraltar	Tailings Storage East Saddle Dam	90000403	M-40	12-Feb-71	1990-2014	1986	1986		Y	2014	28	28	
Gibraltar	Tailings Storage Main (Cyclone Sand) Dam	90000401	M-40	12-Feb-71	1990-2014	1972	1972		Y	2014	42	42	
Fraser Lake	Emergency Spill Lagoon	16400702	M-5	na	1968-1975				Y	2014			Emergency Pond - not to be included in inventory
Fraser Lake	Tailings Storage Facility	16400701	M-5	1969	1968-1975	1968	1969		Y	2014	46	45	
Alwin/Dokab (aka Little Ok Lake)	Tailings Storage Facility	30041901	M-50		1972-1982				Y	2014			Lake - not to be included in the inventory.
Grisdale	No. 1 Tailings Pond Dam 1	20003901	M-6	1969	1966-1982	1966	1969		Y	2014	48	45	
Grisdale	No. 2 Tailings Pond Dam 2	20003902	M-6	1969	1966-1982	1972	1972		Y	2014	42	42	Very low water levels
Grisdale	No. 2 Tailings Pond Dam 3	20003903	M-6	1969	1966-1982	1972	1972		Y	2014	42	42	Very low water levels
Grisdale	No. 2 Tailings Pond Dam 4	20003904	M-6	1969	1966-1982	1972	1972		Y	2014	42	42	Very low water levels
Grisdale	No. 2 Tailings Pond Dam 5	20003905	M-6	1969	1966-1982	1972	1972		Y	2014	42	42	Very low water levels
Giant Nickel/Pride of Emory	Lower Tailings Storage Facility	40000202	M-64	9-Dec-71	1959-1974	1972	1972		N	2002	30	30	
Giant Nickel/Pride of Emory	Upper Tailings Storage Facility	40000201	M-64	9-Dec-71	1959-1974	1972	1972		N	2002	30	30	
Shwana/Kondike Silver/Hinckley	Tailings Storage Facility Pond No 1	50000101	M-65	9-Dec-71	1970-1997	1970	1970		(N)	1994	24	24	Google Earth imagery is unclear
Shwana/Kondike Silver/Hinckley	Tailings Storage Facility Pond No 2	50000102	M-65	9-Dec-71	1970-1997	1970	1970		(N)	1994	24	24	Google Earth imagery is unclear
Shwana/Kondike Silver/Hinckley	Tailings Storage Facility Pond No 3	50000103	M-65	9-Dec-71	1970-1997	1987	1987		(N)	1996	9	9	Google Earth imagery is unclear
Craigmont	Expanded Tailings Facility Dyke 1	150012503	M-68	9-Dec-71	1961-2008	2008	2008		(Y)	2014	6	6	Google earth is not 100% clear on water retention
Craigmont	Expanded Tailings Facility Dyke 2	150012504	M-68	9-Dec-71	1961-2008	2009	2009		(Y)	2014	5	5	Google earth is not 100% clear on water retention
Craigmont	Expanded Tailings Facility Dyke 3	150012505	M-68	9-Dec-71	1961-2008	2009	2009		(Y)	2014	5	5	Google earth is not 100% clear on water retention
Craigmont	Lower Tailings Facility	150012502	M-68	9-Dec-71	1961-2008	1996	1996		(Y)	2014	18	18	Google earth is not 100% clear on water retention
Craigmont	Upper Tailings Facility	150012501	M-68	9-Dec-71	1961-2008	1996	1996		(N)	2008	12	12	Google earth is not 100% clear on water retention
Craigmont	West Tailings Facility Dyke 4	150012506	M-68	9-Dec-71	1961-2008	2011	2011		(Y)	2014	3	3	Google earth is not 100% clear on water retention
Beaverdell	North Tailings Management Facility Cell 6	40000406	M-71	9-Dec-71	1943-1991	1971	1971		(Y)	2005	34	34	To be confirmed by MEM. Google Earth imagery is unclear
Beaverdell	North Tailings Management Facility Cell 7	40000407	M-71	9-Dec-71	1943-1991	1988	1988		N	2005	17	17	
Beaverdell	South Tailings Management Facility Cell 1	40000401	M-71	9-Dec-71	1943-1991	1971	1971		N	2005	34	34	
Beaverdell	South Tailings Management Facility Cell 2	40000402	M-71	9-Dec-71	1943-1991	1971	1971		N	2005	34	34	
Beaverdell	South Tailings Management Facility Cell 3	40000403	M-71	9-Dec-71	1943-1991	1971	1971		N	2005	34	34	
Beaverdell	South Tailings Management Facility Cell 4	40000404	M-71	9-Dec-71	1943-1991	1971	1971		N	2005	34	34	
Beaverdell	South Tailings Management Facility Cell 5	40000405	M-71	9-Dec-71	1943-1991	1971	1971		N	2005	34	34	
Mount Copeland	Tailings Storage Facility		M-72		1970-1973	1970	1970		Y	2014	44	44	Unclear from Google Earth Imagery

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British Columbia Tailing Storage Facility Inventory - TSF Inventory Data

Mine Name	Structure Name / Tailings Impoundment Designation	Structure Number	Permit #	Permit Date	Est. Mining Operation Dates	Est. TSF Construction Start Date	Effective TSF Start Date	Est. Begin Tailings Discharge (year)	Currently Holds Water? (Y/N)	End Water Storage ¹ (year)	TSF Years in Operation	TSF Years in Operation since 1989	Comments
Sullivan	Active Iron Pond (Emergency Storage Pond)	60000102	M-74	9-Dec-71	1900-2001				Y	2014			Emergency Pond - not to be included in inventory
Sullivan	Cabane Dyke	60000113	M-74	9-Dec-71	1900-2001	1975	1975		N	2001	26	26	
Sullivan	East Gypsum Pond East Dyke	60000103	M-74	9-Dec-71	1900-2001	1969	1969		Y	2014	45	45	
Sullivan	East Gypsum Pond Northeast Dyke	60000104	M-74	9-Dec-71	1900-2001	1985	1985		Y	2014	29	29	
Sullivan	Old Iron Pond	60000101	M-74	9-Dec-71	1900-2001	1940	1969		Y	2014	74	45	No evidence of TSF on Google Earth
Sullivan	Siliceous Pond 1	60000110	M-74	9-Dec-71	1900-2001	1940	1969		N	2001	61	32	
Sullivan	Siliceous Pond 3	60000112	M-74	9-Dec-71	1900-2001	1975	1975		N	2001	26	26	
Sullivan	Siliceous Pond 2	60000111	M-74	9-Dec-71	1900-2001	1975	1975		N	2001	26	26	
Sullivan	West Gypsum Pond Dyke	60000105	M-74	9-Dec-71	1900-2001	1969	1969		Y	2014	45	45	
Red Min (Rossland)	Good Friday Tailings Storage Facility	50045602	M-8	20-Jan-70	1966-1972	1967	1969		N	2000	33	31	
Red Min (Rossland)	Jumbo Tailings Storage Facility	50045601	M-8	20-Jan-70	1966-1972	1969	1969		N	2000	31	31	
Danco	Tailings Storage Facility	40000601	M-95	23-Oct-73	1967-1984	1971	1971		N	1991	20	20	
New Privateer/Privateer	Tailings Storage Facility	MX-8-180	23-Jun-98	1975-1998	1975-1998	1960	1969		Y	2014	54	45	
Mineral King	Unknown	C-100	6-Jun-74	1954-67, 1968-1982	1954	1969	1969	[1960]	Unknown	1986	32	17	
Phoenix	Tremblay Ranch Tailings Storage Facility (aka Phoenix Tailings)	50105503	n/a		1900-1978	1960	1969		Y	2014	54	45	Very low water levels?
Phoenix	Twin Creek Tailings Storage Facility	50105501	n/a		1900-1978	1967	1969	1967	Y	2014	47	45	Diversion Spillway constructed in (1978), very low water level at present
Totals			183			171					164	4095	Cumulative dam years

Notes:

1. Year in which water storage in the impoundment ended. If ponded water currently exists in the impoundment, even if the impoundment is considered closed, enter 2014

2. Structures in mustard coloured cells are not considered TSF

Appendix I
Attachment 3
Permit Research Data

Mount Polley Independent Expert Engineering Investigation and Review Panel

British Columbia Tailings Storage Facility Inventory - Permit Research Commentary

Mine Name	Mine #	Permit #	Permit File Review Complete? (Y/N)	Permit/Document Comments	Structure Name / Tailings Impoundment Designation	TSF Start Date (Use brackets if an estimate)	Impoundment Comments
Greenhills Operations	600338	C-137	Y	Goldier March 2009 report summarized the dates of construction of these TSF dams.	Tailings Pond Main Dam Tailings Pond West Dam	[1983] [1993]	Could not find permit for this Main Dam. Both these dams are for a single TSF.
Quintette	900001	C-156	Y		Plantale Tailings Dam	[1984]	Photos from 1984 show Plantale tailings dam with water. Starter dam constructed before ultimate dam - tailings dam construction ended September 3, 1985 according to The Report on the Construction of the Tailings Starter Dam and Associated Works dated September 1983. Photos from Reclamation Inspection Quarterly Operating Corporation Permit C-156 dated April 2006, show plantale tailings pond at low level - no apparent embankments - also indicates mine ceased operation in August 2006. KCB 2007 Annual Dam Safety Inspection Report states that the tailings impoundment was put into operation in 1984.
Bullmoose	900002	C-158	Y	Permit File indicates that TSF impoundment was amended to Permit on May 25, 1983. KCB 2013 Dam Safety Review indicates that TSF was operated between 1984 and 2003. Also indicates that "since cessation of mining the TSF is essentially dry, except in the NE low-lying area. Water ponds in this area during spring run-off and rain events....a closure spillway was constructed in 2002 to prevent overtopping."	Shikano North Tailings Dam South Fork Tailings Impoundment	[1997] [1984]	Letter from Senior Geotechnical Engineer dated October 14, 1989 indicates approval of Shikano North Tailings Dam Stage 2 As-Built Report dated July 9, 1989. Permit file indicates amendment in 2001 for a permanent spillway for closure of Shikano? North Tailings dam. Inspection reports off site - they may have information on current status of tailings dams. Kohn Crippen 2005 Annual Dam Safety Inspection report states that this Shikano North Tailings facility operated from 1987 to 2000. This pond looks more like a settling pond rather than a tailings pond. 2005 Kohn Crippen inspection report states that discharge of tailings to the North Tailings Pond ceased in Feb 1997 and the pond was drained and no longer retains water.
Quisam	800001	C-172	Y	Reclamation Permit issued May 15, 1986. Amendments of interest 1) 2N Preparation Plant - Tailings Decrepal - June 21, 1991 2) Tailings Impoundment Structures, 2N Open Pit Area - September 1, 1984	2N-Pit Tailings Facility East Embankment 2N-Pit Tailings Facility North Embankment 2N-Pit Tailings Facility South Embankment 2N-Pit Tailings Facility West Embankment Old TDF North Dam Old TDF South Dam	[1989] [1999] [1999] [1999] [1983] [1983]	Annual Reclamation Report for 2005 indicates 1) mine operated from 1983 to 2003 2) later than 1983 developments included construction of tailings dam (ie tailings dam built after 1983) 4)reclamation of tailings impoundment and tailings embankment has been completed in 2005. Bullmoose Operating Corporation Tailings Dam Annual Review of Operations dated November 2002 indicates 1) in 2002 the dam was built to final design height of elev. 1122 m, and reshaping of the impoundment ended November 19, 2002 2) the downstream side of the dam had soil cover and will be seeded in 2003 3) a spillway was constructed on the western abutment of the impoundment 4) the 2003 construction season will included sloping of upstream slope of dam and placing growth medium on the southern facing slope and the top of the dam 5) the remainder of the dam will be seeded in 2003. Spillway constructed and area seeded. Although reclaimed the basin is still capable of storing the 1000-year return period design closure flood according to Kohn Crippen in their 2005 Tailings Facility Closure Monitoring Report.
Elview Operations	600337	C-2	Y	Permits are dated differently then the summary in Goldier's August 8, 1995 report (File # 11050). It states that Lagoon C, original embankment was constructed in 1970 and was raised till 1987. Lagoon D was initially developed in 1972 and was raised till 1989. These permits might be for additional raise to these lagoons. AMEC March 2012 report states in the summary that Lagoons A and B are bounded by C and D, have no retained fluids and coincidental with the tailings dam. WFTF also stated in email dated March 27, 2007 that the facility became functional in spring 2006 (File # 180220).	Lagoon A Lagoon D Lagoon B Lagoon C	prior to 1969 1972 prior to 1969 1970	Inspection reports off site - they may have information on current status of tailings dams. According to the Final Reclamation and Ten Year Mine Development Plan dated September 2002 1) mining started in 1987 2) open pit mining began in 1986 and continued until May 1994 3) AMEC April 2012 report shows the locations of Lagoons A and B. Permit to operate on July 8, 1993. Seep observed at toe of lagoon dyke on February 23, 2009 (File # 11050) in between C and D. AMEC April 2012 report shows the locations of Lagoons A and B. Permit to flood on July 8, 1993. AMEC 2012, lagoon C was restated in 2010 but was stopped in 2011 as there were no permits. In AMEC March 2012 report.
Basin Coal/Tulameen	1500601	C-217	Y	No permit numbers found for TSF. AMEC December 2010 report indicates that 3 earth dams (A, B and C) were constructed and were up to about 5 m in height (File # 540 shows the sections). It also stated that mine was in operation from 2002 to 2006. Approval of Work System and Reclamation Permit issued August 25, 2000 - no amendments mentioned. Also under C-214 when under the name Tulameen.	Emergency Tailings Storage Pond 1 Emergency Tailings Storage Pond 2 Emergency Tailings Storage Pond 3 Emergency Tailings Storage Pond 4 Emergency Tailings Storage Pond 5	[1978] [1978] [1978] [1978] [1978]	According to Diane 1) under care and maintenance currently 2) there are no tailings ponds, only sediment ponds for fine re-use 3) one of the sediment basin had a failure a year ago 4) the ponds were most likely constructed right after permit issued. According to 2006 Annual Reclamation Report a 1 million gallon "water impoundment pond" was constructed in Aug 2005. In 2006 Collier did an investigation for a proposed waste dump.
Wolverine Coal	1640013	C-223	Y		Tailings Storage Facility	[2006]	Starter dyke drawings dated January 2006, emails in 2011 indicated design/raising/construction of dam is ongoing. Diane Rowe indicated that this is a sediment basin for fine coal refuse.
Fording River Operations	1200004	C-3	Y	Permit authorizing surface work issued December 1, 1978	North Tailings Pond South Tailings Pond	[1971] [1978]	Report to the Chief Inspector of Mines Re: C-3 Permit Amendment Information Request... dated July 24, 2013 indicates 1) there are two existing tailings pond facilities the South Tailings Pond and North Tailings Pond 2) currently NTP is filled to capacity and the STP is currently used for tailings discharge from process plant. An internal Correspondence from Forcing Coal Ltd (the process engineer) dated September 2, 1994 reports on the period of deposition in the North Tailings Pond was from May 24, 1982 to August 19, 1984 2) it is indicated the tailings discharge and the water were to be raised to the full capacity of the pond in 1985 3) the pond was de-watered and mined cret again more capacity 3) deposition of tailings within the NTP recommenced in 1993 until it reached capacity again in 1997 4) future use of NTP is being reviewed. Letter from Chief Inspector of Mines dated October 13, 1983 indicates 1) application to expand South Tailings Facility Phase 2 2) Phase 1 approval was given on March 24, 1977
Boss Mountain	1000281	M-101	Y	No info in permit file. As per 2008 Reclamation Report operation 1965-1972 reopened in 1973 and operated in until closing in 1983.	Tailings Storage Facility Mam Dam Tailings Storage Facility North Dam	[1965] [1965]	

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British Columbia Tailing Storage Facility Inventory - Permit Research Commentary

Mine Name	Mine #	Permit #	Permit File Review Complete? (Y/N)	Permit/Document Comments	Structure Name / Tailings Impoundment Designation	TSF Start Date (Use brackets if an estimate)	Impoundment Comments
Highland Valley Copper	300010	M-11	Y	Historical info regarding TSF construction and operation is limited. Technical reports only available back to 2009. Not clear in permit and corr files which TSF were in operation pre-1970s, there is reference to dam construction at the Bethlehem Tailings Storage Facility at least as far back as 1966.	Bethlehem Main Dam (Dam No.1) Besse Lake Dam Highland Tailings Storage Facility HH Dam Highland Tailings Storage Facility L-L Dam Highmont TSF Dam	1964 1964 [1972] [1976] [1980]	According to KCB 2011 Annual Review of Tailings Dams, tailings disposal ended at Bethlehem in 1985. Permanent spillway constructed in 1995. Tailings disposal ended in June 1989 (KCB 2008 Annual Review of Tailings Dams)
Atton/Ajax/Abacus	300004	M-112	Y	Reclamation Permit issued April 1, 1981. Field Inspection Reports by Klein and Co. Inc. dated Oct 1981. Construction of tailings dams were under construction until October 1979. Letter from Senior Geotechnical Inspector issued April 24, 1985 indicated Annual Review of Tailings Dams for 1984 and "Tailings Dam Construction Report" by Alton were submitted to MEM. The Dam Safety Review - East and West Dams issued May 11, 2009 indicated that the mine was in operation from 1977 to 1997 with a temporary shutdown from 1991 to 1994 and tailings disposal ceased in 1997.	Trojan Dam Tailings Storage Facility East dam Tailings Storage Facility West dam	1964 [1985] [1985]	permanent spillway constructed in June 1989 (KCB 2008 Annual Review of Tailings dams)
Equity Silver	200026	M-114	Y	2009 AMEC Reclamation Report indicates that mining was between 1980 and 1994. Letter from Equity to MEM in May 1981 references dam 1,2 designs and suggests construction has begun. Kohn Leonoff report in 1983 indicates construction of dams 1 and 2 are ongoing, and that #3 was constructed in 1982. It can be noted that the Diversion dam connects TSF #1 and #2	North Emergency Tailing Retention Pond Tailings Storage Facility Dam No 1 Tailings Storage Facility Dam No. 2 Tailings Storage Facility Diversion Dam	[1985] 1980 1980 [1981]	Full TSF history presented in AMEC 2005a report titled Tailings Management Facility - 2004 Annual Review - THIS REPORT WAS NOT FOUND. Diane Rowe indicated that this facility is currently under care and maintenance, and not in operation.
Bernda	300173	M-12	Y	No useful information in the permit file. File photos show dam gently reclaimed by 1988. Mine operated from 1970 to 1980. 1978 Kohn Leonoff report indicates that TD was originally designed in 1972. No reference is made to the smaller saddle dam	Tailings Saddle Dam Tailings Main Dam	Sep 89 [Jun-1980]	2001 Dam Safety Review indicates 1) construction of the Main Dam was completed in June 1986 to a nominal crest elev. Of 1392.9m 2) the Saddle Dam was completed to the same elevation in 1989 3) mining ceased on June 8, 1980 4) no raising of the Main Dam has taken place since completion 5) sink holes observed in the Main Dam were discovered in 1983 ... before construction ??
Table Mountain/Cusac	100115	M-127	Y	October 27, 1983 - Approval to construct TSF. Nov 18, 1983 letter from Knight Piesold indicates that TSF has begun construction. 2009 KP FSF annual report gives start dates for both TSF, indicates property operated until 1987 and that both TSF are free of water. Spillways to prevent significant water retention are in place. 2001 Site photos suggest that both TSF still contain some water	Tailings Facility No 1 Tailings Facility No 2	1987 1993	
Mosquito Creek	100000	M-133	Y	Other than an original permit date (1981), no other information in the permit file. From MEM October 2002 FFR - see copies. 1991 RE Graham report discusses tailings pond reclamation. 1989 Reclamation report indicates that the spillway was completed in 1987. 2009 Knight Piesold report indicates annual operations until 1987. 2003 MEM report indicates that official mining production began in 1980.	Tailings Storage Facility	[1980]	
Carolin/Ladner Creek	700180	M-138	Y	2008 KP TSF Annual report indicates mine in operation from 1982 to 1984. TSF still contains water.	Tailings Storage Facility	1982	
Godstream	400024	M-147	Y	Letter from Chief Inspector of Mines dated June 12, 1981 approves starter dams (west and north) based on Kohn Leonoff reports dated April 1 and May 19, 1981	Tailings Storage Facility North Dam Tailings Storage Facility West Dam Tailings Storage Facility Pond 1 Tailings Storage Facility Pond 2	1982 1982 1982 [1981]	Approval of Reclamation permit issued January 30, 2001
Venus	100267	M-148	Y	Very little information in files. Earliest documentation is early 1980s. Case study paper in 1999 gives Venus history, but is not consistent with TSF layout. CS Paper also describes TSF remediation of upper spillways and pond reclamation cover, but is not 100% clear on which TSF pond is dealing with EES	Tailings Storage Facility Pond 3 Tailings Storage Facility No 1 (Upper Tailings) Tailings Storage Facility No 2 (TF2-2) Tailings Storage Facility No 2 (TF2-3)	[1981] [1981] [1981] [1985]	H&S Officer Doug Flynn provided a verbal account of his knowledge which included 1) the mine is located in the Yukon by the mill is located in BC 2) the mill only ran for 35 minutes prior to shaft failure (e very little tailings in facility) 3) TSF was constructed between 1978 and 1980 4) facility has water cover and specific reclamation works were carried out to formally close the facility
Taurus Gold	1600029	M-149	Y	It would appear that one of these three dams was built later, possibly in 1985 (1980s) and was never used. The 1985 Closure plan indicates that TSF#1 was seeded in 1988 and TSF#2 was not yet reseeded. Permit dates found off of MEM server - Agreement July 16, 1981 and Reclamation Permit issued August 4, 1981	Tailings Storage Facility No 2 (TF2-3)	[1985]	

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Valentine Mountain/Ashlu?		M-155	Y	Letter from the Deputy Minister dated Nov. 8, 1983 indicates a reclamation program was approved by Order-in-Council on June 23, 1983 and the permit is dated June 23, 1983.	Tailings Storage Facility	1984	File in declassified folder. Letter from Peter Peart received by MEMPR on Nov. 19, 1987 indicated the tailings dam incorporated a subdrain system and that it was the final operation in the construction of this facility. A letter from the Chief Inspector of Mines dated November 23, 1987 indicated that they received the letter mentioned previously; however, it said that a geotechnical report stating that the impoundment is considered complete will need to be submitted before they will be able to use the facility. An email from Greg Carriere to Chris Carr dated June 27, 2002 indicated that Greg did an inspection of the tailings pond, photos showed a mine at the site. Environment Canada Regional Pollution Incident Report dated June 22, 1994 indicated mine was unattended and abandoned, in "rough shape" and person (Peri Wehling) thought never a mine at the site, only exploration. Bore conficated in 1986/77 Report of Inspector of Mines that took place October 7, 1985 indicates 1) inspection of the surface area, tailings dam, mill building and portal areas were conducted 2) tailings dam appeared to be stable and waterlevel was below lowest elevation park 3) no reclamation noted in the tailings pond. The 1983 Reclamation Report dated March 8, 1984 indicates 1) an underground mine was operated previous from 1942 to 1939 at the site 2) the mine site was bogged 3) tailings are proposed to be capped in a shallow drainage system 4) an estimate of tailings water in the TSF in 1984. MINFILE Record No. 0850NW013 indicates 1) Osprey Mining and Explorations Ltd. reportedly installed a 91 tonne per day mill in 1979 but except for 36 tonnes milled in 1984 no other production was recorded.
Bolivar/New Project?		M-161	Y	Thurber completed TSF design in 1984. 2009 inspection report indicates that TSF still holds a small amount of water but is mostly overgrown.	Tailings Storage Facility	1984	Located on Texada Island. Yew is southeast of Bolivar
Blackstone	300007	M-171	Y	No useful information in Permit file. Reclamation Permit issued November 15, 1986 and shut down in 1991. Plans for new tailings impoundment and raising of old impoundment. Correspondence in 1987 indicate proposal to raise dam and investigation report Blackstone Gold Mine Tailings dam Failure 1989 indicate centerline raised July 13, 1987. Interoffice Memorandum dated December 14, 1994 indicate Dam Safety Branch in MELP inspect the tailings dam when in operation for over 2 year. Letter dated October 27, 1988 indicated approval of tailings dam Stage 4 expansion.	Tailings Storage Facility	1986	
Nickel Plate	400002	M-173	Y	Reclamation Permit issued April 30, 1986 was the first permit in the file - however Amendment sheet indicates Mine Plan issued April 1, 1986. Amendment for a Tailings Pond Impoundment and Water Storage issued July 8, 1986	Tailings Dam	1987	Letter from Mascot Gold Mines Ltd. dated December 23, 1986 indicates construction of Tailings Impoundment was completed and they planned to pump water into the Tailings Impoundment in January 1987. A report letter dated May 13, 2008 from Ted Fuller indicated mining and milling operations ceased in 1986 and the Mill was converted into a Water Treatment Plant. Nickel Plate Mine-site - Data Review and Site Visit for Main Leaching and Acid Rock Drainage dated January 20, 2006 shows photos of sludge in the tailings impoundment in September 28, 2005; Nickel Plate Mine (EoM Mine) Tailings Area Closure and Reclamation Project - Tailings Area Closure and Reclamation Facility alternatives. No file/correspondence found on-site indicating when no more water within the TMF - google earth showed 2004 no water and photos in file show water in TMF in 1988.
Lawyers/Cheni	200364	M-174		No Permit in Victoria...sent to PG	Tailings Storage Facility		From MINFILE - Cheni exhausted resourced and shut down in 1992
Johnny Mountain	100001	M-176	Y	No permit file found, red file indicating 5 folders taken offsite June 3, 2014. August 1993 photos show tailings dam - Letter date April 11, 1988 indicate construction inspection for the tailings dam took place in 1988. According to Environmental Site Assessment: 2007 Burning and Burial Area dated October 13, 2007 and photos show tailings impoundment with tailings dam. Letter dated July 13, 1990 indicate long-term full production basis was never formally given and waste management permit issued June 6, 1990. Reclamation Permit found on MEM sever, it was issued June 17, 1988	Tailings Storage Facility	[1989]	
Premier Gold Project	100004	M-179	Y	There is reference to a 3rd structure i.e. Saddle Dam. MEM inspection report August 18, 1995 Volume 2000 - 2005. Initial mine started in '81 and was operated as underground mine till 1988.	East Access Rd Dam Main Tailings Dam	[1990] 1989	East Access Road Dam and Main Tailings Dam are part of same TSF. No reference could be found in vol. 1, however, EARD was described starting in Volume 2. East Access Dam is part of same TSF as main tailings dam. It was raised in 1991. Volume 1: KP report dated Aug 24, 1989. Seepage concerns for the Main Tailings Embankment. No reference to the construction of the dam. Result of proposed impoundment of tailings - beach was not fully developed yet. Western Aug 28, 1989 report indicates that main embankment was constructed in 1988 and was completed in November, 1988. Western October 5, 1989 report points to some sinkholes in the main embankment. A P HDPE pipe was installed through the embankment at this location. Volume 2: MEM Sept 9, 2003 report - seepage at toe in Main Dam occurred August 23, 2002. Vol 7: McHanna email dated July 18, 2001 reports and as documented in KC September 20, 2001 report. TSF beach sinkholes that occurred in main embankment. Vol. Jul 01 to Dec 06 Reference to tailings impoundment closure i.e. filter of main dam, beach construction and spillway closure in MEM January 20, 2006 report.

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Cassiar-McDane	100000	M-18	Y	Not a lot of useful information regarding tailings pond in permit file - may be good info in offsite inspection reports. Incident reports indicate that the mine may have been in use in October 1985; however, it appears that no tailings ponds were constructed in mid-August as no tailing pond - site has tailings dump November 1980 and a second pond has been delineated. A letter dated August 25, 1988 indicate that liquid tailings were originally pumped into settling ponds and once pond is full, and water dries out the area is covered in granular material. A letter dated January 20, 2000 mentions only tailings that are moved on a conveyor system indicating dry material (essentially same system handled in 1980). The permit was issued on January 22, 2001 - 100000 tailings pond down Christmas Day 2000. According to the Reclamation Report for 2002 the mine was in operation from 1953 until 1992 when it went into bankruptcy and predecessors of Cassiar obtained permit in 1994 to re-establish operation. Site of an entire city? Photos from 2001 indicate small tailings pond (?) north of large tailings pile. A Mineral and Coal Notice of Work and Reclamation Program dated June 10, 2009 indicate no settlement pond.	Tailings Storage Pile	[1990]	
Parson Barite	600251	M-160	Y	Permit issued on November 22, 1989 with an amendment on June 23, 1997. Sherrill, March 2011 report indicates that the FTP was leveled and contoured in 2001. In 2001, the area was revegetated in 2002. Reference was found related to the 1989 permit. The permit was issued in 1989. The permit states that the production commenced in 1941, why is the permit for 1989.	Fine Tailings Pond		A lake was observed east of the mine area. The area around the lake was disturbed and can be indicator that this is the fine tailings pond FTP. Diane Rowe said that an inspection had been completed recently and the site is currently vegetated and dry.
Moberly Silica	600250	M-181	Y	Notice of opening for the mine completed in 1982. First reference to tailings ponds (permit #6985) made in Aug 1987 Reclamation Plan which described waste disposal process. Large rock stockpiled and fine silica placed in settlement stockpiles for backfill at plant site. The Reclamation Report states that tailings ponds are maintained at min 3' freeboard. 2012 Annual Reclamation Report states that tailings pond area reduced to 0.2 Ha at some point b/w 2010 and 2012. May 9, 2013 Mine Permit found on MEM server.	Tailing Pond	[1984]	Diane Rowe has indicated that this pond has only sediment ponds and piles of tailings
Candorado/Hedley Tailings	400003	M-163	Y	Reclamation Permit issued June 3, 1988. According to Sept 2010 Rescan report 'Review of Water Quality and Stopping Level Closure Options' the current operation was constructed to reduce one from old tailings piles which were in place since 1988. The permit was issued in 1988. The permit states that the Reclamation Report which identified a 'disturbed area of 11 Ha which refers to the tailings piles themselves.	Tailings Deposit (E side of Hedley Creek)	n/a	Document dated February 22, 2008 by Diane Howe (found on the MEM server) indicates 1) abandoned tailings from historic Hedley Mascon Mine are actively eroding 2) the tailings are not in a pond, impoundment etc. It is a dump of tailings, want to stabilize the toe and slope of the tailings 3) tailings from historic operation were deposited between 1904 to 1955 in several areas, and in 1988 to 1995 reprocessed some of the tailings
Samatousam	1500748	M-184	Y	Reclamation Permit issued Oct 20, 1989. Approved Work System Mar 15, 1989. Authorization of Tailings Started Dam Nov 23, 1988. Conditional Authorization of the Stage II Tailing Impoundment Facility May 4, 1990 (authorized interim crest elevation of 1134.4 m). From Pleau March 1997 report: "1995/1996 Annual Geotechnical Inspection Report" mine operated between May 1989 and September 1992. TSF closure works (revegetation, abandonment spillway) completed sometime in 1994/1995	Tailings Impoundment	1990	
Golden Bear	100022	M-187	Y	Tailings Dam Construction permit issued Aug 30, 1989. Tailings Storage Facility Nov 8, 1989. Tailings Stage II Operating Dec 5, 1991. Tailings Stage II Embankment Phase Feb 5, 1992. Tailings Stage III Operating May 17, 1993. Tailings Embankment Stage IV Construction Aug 13, 1993. Tailings impoundment closed in 2003 and 'cover' of 'alluvial fan' material placed on top/vegetated.	Tailings Storage Facility	1989	
Shasta/Mulhina/ona IB & Baker Mill	1300245	M-189	Y	Reclamation Permit issued February 23, 1990	Tailings Pond #1 Tailings Pond #2	[1979] [2012]	Original Tailings pond built in 1979. In 2007 report, proposed to expand Tailings Pond #1 Tailings Pond No 2 built in 1990, is a smaller facility and located adjacent to the south of No 1 pond. Draft Report on Baker Mine Dam Safety Review indicates it has only recently been used.
Snip	100008	M-190	Y		Tailings Facility Dike 1 Tailings Facility Dike 3	1990 1990	Tailings facility designed by Kohn Leonoff in 1986. Kohn Crippen 1997 report indicates that Dike 1 was constructed in 1990, tailings impoundment capped in 1999 during mine closure activities according to 2011 Report of Reclamation Inspector Tailings facility designed by Kohn Leonoff in 1988. Kohn Crippen 1997 report indicates that Dike 3 was constructed in 1990, tailings impoundment capped in 1999 during mine closure activities according to 2001 Report of Reclamation Inspector

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Eskey Creek	100073	M-197	Y	Approving Work System and Reclamation Permit issued July 29, 1994. Amendment 1) July 28, 2000 - Tom Mackey Lake Waste Rock and Tailings Disposal.	Tom Mackey Lake Tailings Facility	2000	Correspondence indicates rock waste was put into Albino Lake to create causeway until Tom Mackey Lake Tailings Facility constructed and then it was used for waste rock disposal. Letter from District Inspector of Mines dated August 8, 2000 indicates approval to use borrow pit material for Tom Mackey Lake Tailings Pipeline Right-of-Way Construction. Letter from Homesake Canada dated December 17, 2001 indicates tailings are being deposited into Tom Mackey Lake, some modifications needed to be made. 2013 Annual Reclamation Report for Reclamation Permit M-197 issued March, 2014 indicates 1) construction of pipeline to Tom Mackey was completed in 2001 2) tailings started discharging to Tom Mackey in September 2001 3) routine tailings disposal at Albino Lake discontinued in about 2001 4) May 2008 tailings ceased to be deposited in Tom Mackey 5) no reclamation of the tailings impoundments in 2013.
OR	1000689	M-198	Y	Reclamation Permit issued July 18, 1984. Amendments 1) September 1, 1994 - Tailings Impoundment Containing Tailings 2) February 27, 1995 - Approval to construct Tailings Dam at Albino Lake 3) August 2, 2002 - Approval to Close of Tailings Facility.	Tailings Cross Dyke Tailings Main Dam	1995 1995	Drawing in Technical Memorandum dated July 13, 2011 indicate Cross Dyke and Main Dam both part of Tailings Pond. Letter from QR Mine Supt/Chief Engineer indicates water in impoundment at the time, and they will begin raising dam.
Mount Polley	110163	M-200	Y	TSF start dates based on Mt. Polley document review process - Approving Reclamation Program issued August 3, 1995 (found on MEM server)	Tailings Storage Facility Main Embankment Tailings Storage Facility Penimeter Embankment Tailings Storage Facility South Embankment	1996 1996 1996	Part of same Tailings Dam
Huckleberry	200084	M-203	Y	Permit Approving Work System and Reclamation Program issued February 14, 1996	East Pit Plug Dam Orca Saddle Dam	Nov-08 2007	2013 Construction Record Report FINAL dated December 20, 2013 indicates 1) production began in the fall of 1997 2) operation comprises conventional open pit mining and flotation process 3) 2 existing tailings and waste rock management facilities 4) the TMF-2 impoundment is contained by TMF-2 Dam, the Orca Saddle Dam and the East Dam 5) The containment dams for TMF-2 were completed in 2007, to their final configurations, at a min. crest elev. 1080 m 6) the TMF-2 impoundment is essentially seawatered and the average tailings elev. within the impoundment is approx. 1075 m 7) The East Zone Pit (E2P) is contained by the East Zone pit and the East Pit Plug in the East Zone 8) The impoundment was constructed in 2012 to a final crest elev. 1046 m 9) the E2P impoundment was filled to planned capacity 10) TMF-3 is the final impoundment and development is required in support of the Main Zone Optimisation
					Tailings Management Facility TMF-2 East Dam Tailings Management Facility TMF-2 Main Dam Tailings Management Facility TMF-3 East Pit Dam?	fall 1997 fall 1997 2014	2013 Construction Record Report contained photos showing the TMF-3 completed to 945 m elev. in August 5, 2013
Kemess South	1300244	M-206	Y	AMEC 2004 Annual Report states that the construction for Stage 1 was carried out from 1996 to 1998. AMEC 2011 Annual Review report states that mining operations were completed on March 9, 2011 after 19 years of operation.	Tailings Storage Facility Main Dam	May-98	No reference was found related to East Pit Dam as a TSF impoundment or even in the list of Permit Amendments
Bralorne	300310	M-207	Y	1) Report: Tailings Dam Facilities Design Verification and 2003 Construction Report - Pioneer Gold Mine, Bralorne BC - Jacques, Whitford and Associates Ltd. 2) Design of Tailings Impoundment Bralorne Gold Project, by SRK Consulting Inc. 3) Annual Reclamation Report for Reclamation Permit M-207 that tailings dam construction began in 2003.	Main Tailings Dam	2003	Ag June 5, 2000 report indicates that the TSF discharge commenced on May 1998.
Bow/May Mac Boundary Falls	1400027	M-209	Y	Permit Approving Work System and Reclamation Program. MX-5-12 permit approving reclamation program - mineral exploration issued May 6, 1980	Roberts Mill Tailings Pond	1982	Report of Inspector of Mines, Geotechnical Inspection for an inspection on June 9, 1983 indicates 1) tailings dam has been constructed 2) Containment is full 3) of the 2 alternative sites, the one to the south of the existing impoundment is preferred. Report of Inspector of Mines, Geotechnical Inspection for an inspection on September 18, 1989 indicates 1) tailings have been removed from storage 2) small pool of water along north end of dyke. Report of Geotechnical Inspector for an inspection on May 29, 2002 indicates 1) no tailings deposition in the relatively small tailings storage facility since 1997 2) Pond surface dry, approx. 0.5m of freeboard. Annual Review of Tailings dated June 8, 1992 indicated tailings have been discharged into tailings pond from 1982 to 1987. No mention of reclamation activities. MEM Office Memo dated November 6, 2012 indicate they received a Notice of Work in 2012 for underground work - nothing in the file indicates any work has been done since.

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Lumby Project/ Quinto	4000056	M-215	Y	Approving Work System and Reclamation Permit issued July 18, 2000. The site closed in 2011	North Tailings Pond TSF1	[1998]	Diane said that there is not TSF, only settlement ponds ?? The Quinto Mining Corp, Lumby Project Tailings Storage Facility by Knight and Peesold Ltd, dated June 1987 indicated 1) tailings from previous mining and milling were discharged into three settlement ponds to the east side of the valley directly below the mine 2) due to small quantities of ore tailings were only about 1 m (pump house and artesian well located just south of the south settling pond) 3) the proposed Tailings Facility is proposed to be constructed in old settling ponds area but will be extended 150 m north Annual Reclamation Report for 2013 indicates 1) no mining or exploration has occurred on property since 1994 2) Tailings ponds have been reclaimed and will be covered with 20 cm of soil in 2014. Letter from ICS dated May 14, 1997 indicates 1) installation of HDPE tailings pond liner. Annual Reclamation Report for 2011 indicates 1) two tailings ponds were closed according to closure plan 2) ponds were backfilled 3) northern pond had HDPE liner that was installed in 1970 2) properly excavated in 1971 to 1973 3) in 1974 Coastal Interiors Ventures Ltd worked intermittently until 1981 and mill was expanded 4) Quinto Mining Corp purchased claims in 1983. Annual Reclamation Report for 2013 indicates 1) the tailings ponds are dry and vegetated after two years 2) the tailings ponds have been reclaimed and they will be covered the former tailings area in 2014. The Proposal for the Lumby Muscovite Project received by the MEM on March 30, 1995 indicates 1) tailings storage facility is still proposed at that time and there will only be one 2) KP report attached (dated June 1987) indicates tailings from previous mine were discharged into a series of settling ponds to the east side of valley directly below the mine and only a small quantity was oreed therefore a small amount of tailings 3) according to the KP report the tailings facility will be built over the old settling ponds 4) there is a proposed water recovery pond (possibly South TSF??). Mining has not occurred since 1994, permit approved 2000??
HB Tailings landfill	500032	M-218	Y	Permit Approving Work System and Reclamation Program issued April 10, 2002	South Tailings Pond TSF2	[1997]	Report of Inspector of Mines from an inspection that took place November 25, 2005 indicated 1) present PVC-lined tailings pond has never been used 2) old tailings pond which was covered over to the south of present pond is reported to have tailings which were deposited in the mid-70s. Lumby Quinto Mine Site Annual Reclamation Report - 2008 indicated 1) exploration and mine development occurred between 1988 and 1976 2) PVC lined tailings pond has accumulated water but has never been used for tailing (the northern facility) liner placed over tailings. Area degraded and vegetated (CLOSURE OF THE LUMBY QUINTO MINE SITE S.E. Ames, Ph. D., M.Sc., P. Ag.)
Churchill Copper	?	M-222	Y	2004 Reclamation permit indicates that mining operations ceased in 1975. File indicates that road access to mine area completed in late 1960s. Permit File 222 applies to attempt by MEM and Teck to remediate the site. Teck is doing so voluntarily	Tailings Facility #1 Tailings Facility #2 North Embankment Dam Tailings Facility #2 North Saddle Dam Tailings Facility #2 South Saddle Dam	1955	Letter dated March 25, 2004 from the Deputy Chief Inspector of Mines indicates 1) Permit M-62 issued to Churchill Copper Corp 2) April 5, 1975 mining operations ceased 3) 1976 some cleanup occurred 4) by 1978 cleanup had been completed 5) shortly before 1994, tailings pond breached and sent tailings down the Puling River 6) November 17, 1987 permit closed and security released therefore Teck had no reclamation obligations
Max Molybdenum	500770	M-226	Y	Permit approving work system and reclamation program issued November 7, 2005. Permit approving operation of the tailings impoundment issued February 29, 2008. Amendment to construct tailings dam to 790 m - July 7, 2010	Tailings Facility Northwest Dam	Feb-08	2010 Annual Geotechnical Review dated June 30, 2011 indicates 1) TSF is located in a small drainage basin 1 km NE of mill 2) formed by 2 dams 3) diversion ditches located along both sides and has emergency spillway located in SE Dam 4) in 2008 Klobn Creppin Berger assumed responsibility of design and construction 5) photos indicate the dams were raised and were also under construction (raising). A letter from Deputy Chief Inspector dated November 12, 2008 indicates 1) construction of dam started Oct-Nov 2006 2) March 2007 construction suspended 3) November 2007 MEMPR received letter confirming the tailings impoundment completed to enter 790 ft
Benson Lake		M-228	Y	Limited Files on-site. Letters suggest that an old TSF on site has not been in use since 1972 and that it has essentially been re-vegetated	Tailings Facility Southeast Dam	Feb-08	Only correspondence in file is from the Chief Inspector of Mines dated December 10, 2013 indicating their reclamation security is due. Last Annual Report was from 2010
New Alton	300814	M-229	Y	Permit Approving Work System and Reclamation Program issued October 30, 2007	Tailings Storage Facility (North) Tailings Storage Facility (South)	[2008] [2013] [2013] [2013] [2013]	Talking with Diana, no TSF was built Loose file found in box in library indicates 1) operation 1962-1972 for copper and iron 2) previously the Old Sport Mine, 1972 and before 3) had tailings waste 4) emergency tailings pond 0.8 ha 5) (hand written report) reclamation of land has taken place a) only mentions 1 tailings pond and reclamation activities, which are revegetation efforts, have throughout the 1970s b) revegetation of tailings pond has not been successful Approval to construct Pathrock dam given September 25, 2008 Approval to construct TSF given November 2008. New Alton Tailings Storage Facility dated January 31, 2014 show South Dam, West Dam, Dam A, Dam B and Dam C to be part of same TSF OWS Manual dated June 2012 indicates 1) Teck Corp. operated a mine in the same area from 1978 to 1991 and it included a tailings pond
Galore Creek	100887	M-230	Y	No useful information in permit file. Approving Pre-Construction Work 2007 Permit issued July 4, 2007.	Tailings Storage Facility	n/a	Based on a memo dated August 5, 2011, proposed storing tailings in West More Tailings Management Facility, immediately east of the plant site - proposed configuration of impoundment includes 3 dams, a lean dam and two saddle dams. More info on proposed tailings dam construction in Rescan April 2008 EA Application. Have not built anything yet
Greenwood (Zp)	1630157	M-233	Y	Approving the Processing of a 10,000 tonne Bulk Sample Permit issued March 3, 2008.	Tailings Storage Facility	8-May	Approval of TSF given by Chris Carr in email sent February 27, 2009; however, no evidence of construction? Name change amendment issued July 14, 2014 - now Nuakian International Mining Inc. Annual Reclamation Report for 2013 indicates 1) production suspended until the end of December 2008 2) operation is currently under care and maintenance until metal press justify its re-opening (site remains stable) 3) between May 2008 and December 2008 input of 52,327 tonnes of tailings into tailings impoundment

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Yellowjacket	100028	M-235	Y	Mine Permit Approving Mine Plan and Reclamation Program issued July 10, 2009	Tailings Pond	2009	Annual Reclamation Report for 2014 dated August 2014 indicated 1) Prize commenced an exploration bulk sampling program which included overburden/placer tailings excavation 2) Prize processed material in their on-site bulk sample mill in 2008 3) Success of the bulk sampling program led Eagle Plains Resources Ltd. apply for a Small Mines Act Permit for continued excavation and received approval in July 2010 and then tailings pond was constructed and plant modified 4) No mining has been undertaken since 2009 and does not anticipate resuming production in 2014 5) TSF constructed in 2009 has not been filled to capacity so no reclamation has begun 6) TSF used to hold tailings from bulk sample processing partly covered in 2009 and 2010 with placer gravels - will be eventually be covered with placer gravel and recontoured
					Old Tailings Pond	[2007]	Yellowjacket Gold Mine Geotechnical Assessment dated July 2009 indicates 1) bulk sampling program produced stockpiles, dumps and tailings materials 2) bulk sample sediment pond in area where 'old tailings pond' indicated in 2014 report 3) tailings produced from 2009 will be processed in sediment ponds. Figure in 2012 Annual Report Yellowjacket Mine shows southwest Tailings Pond (southwest of Plant) as 2008 Pond and Tailings Pond north of Pine Creek Main Channel as 2009 Pond and pond north of that labelled as Pond (which according to Google Earth is currently holding water).
Mount Milligan	1300188	M-236	Y	General Reclamation Permit Mineral Exploration issued September 29, 2014. Amendments September 8, 2009 - Approving Work System for Mount Milligan Copper Gold Project and Approving Reclamation Program. Letter in permit file indicates Approval to Operate TSF given on June 20, 2013	Tailings Storage Facility North Dam Tailings Storage Facility Northeast Dam Tailings Storage Facility South Dam Tailings Storage Facility Southeast Dam West Separator Berm	Aug-13 Aug-13 Aug-13 Aug-13	Report of Geotechnical Inspector for an inspection that took place August 20, 2014 indicates 1) TSF is a sidehill facility that needs continuous embankment on north, east and south sides 2) comprised of 4 dams - North, Northeast, Southeast, South Dams 3) contamination on west side of TSF is provided by topographically higher ground except where a relatively short embankment (West Separator Berm) is required to separate the TSF from the open pit as the pit floor is lowered 4) TSF has 'high' classification and West Separator Berm is a 'very high' hazard 5) Deposition of tailings behind starter dam commenced in approx. mid August 2013, and tailings were being deposited in vicinity of West Separator Berm 6) Sg. freeboard evident throughout the TSF
Dome Mountain	200006	M-237	Y	Mine Permit Approving Mine Plan and Reclamation Program issued August 26, 2010	Tailings Storage Facility (Feasibility Design)	n/a	In August 2010 began work inc. re-activation of existing underground mine, 2011 water treatment plant commissioned, sediment control pond constructed. In October 2012 the Company failed to secure financing and site was put in care and maintenance. Project was still in development stage in 2012. The Dome Mountain Mine 2012 Annual Report indicated they are in the process of submitting an application which includes development of TMF. A Report of Geotechnical Inspector from an inspection on August 26, 2014 indicated 1) proposed TMF was cleared with past 20 years and the TMF facility in permit application phase and no construction is taking place (Golder Associates issued a 'Tailings Storage Facility Design, Dome Mountain' report dated December 23, 2013 not available on-site)
Red Chris	101102	M-240	Y	Mine Permit Approving Mine Plan and Reclamation Program issued May 4, 2012	Tailings Storage Facility North Dam Tailings Storage Facility Northeast Dam Tailings Storage Facility South Dam Myra Tailings Disposal Facility Lynx Tailings Disposal Facility	2014 n/a n/a 1984 [2008]	Red Chris Mine Seepage Review prepared by Arifex Engineering Hydrology Inc. dated September 15, 2014 indicates 1) project is still in review/analysis stage 2) Construction completed in approx. 2011; however Annual Reclamation Reports indicate it has been used as a tailings disposal facility since 2008. Became main depositional facility because Myra TDF is at full capacity
Copper Mountain (Simco)	300009	M-29	Y	Permit Authorizing Surface Work issued August 3, 1970	Tailings Storage Facility East Dam Tailings Storage Facility West Dam	1972 1972	According to the 2013 Annual Reclamation Report 1) open pit mining and use of the TMF commenced in 1972 and continued to operate until November 1996 when it suspended 2) mine and tailings area had remained inactive until 2011 when it was reactivated. Photos from 1981 site visit indicate TMF was in use
Galloway/Bul River	1200006	M-33	Y	July 7, 2000 GIR indicates that tailings have been covered and revegetated, other than that, very little information on the TSF	Tailings Impoundment (previous operation)	[1970]	Talking with Diane 1) in permit review stage now 2) no dam has been constructed 3) have not disposed of tailings since 1974 and when they operated before that they shipped tailings offsite to AB. The Galloway Bul River Bulk Sampling Project by EBA Engineering Consultants Ltd. Dated July 2001 indicates 1) surface mining was carried out during the 1970s by previous owners 2) the tailings pond was from the previous operation 3) the site was reclaimed in the mid 1970s immediately following completion of mining 4) mining ceased in 1973 and reclamation of property was completed by 1976 5) tailings pond reportedly covered with till 6) during the reclamation a washout occurred due to surface runoff across tailings pond, caused a gully, to develop and the remnant gully is still evident 7) surface water was subsequently re-directed to Pit No. 1 in a new ditch and repairs were made. No mention of construction date, assume tailings facility used sometime in late 1970s - apparently reclaimed in the 1970s; the extent and detail of reclamation unknown. With database indicates operated from 1971-1974.

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British Columbia Tailings Storage Facility Inventory - Permit Research Commentary

Mine Name	Mine #	Permit #	Permit File Review Complete? (Y/N)	Permit/Document Comments	Structure Name / Tailings Impoundment Designation	TSF Start Date (Use brackets if an estimate)	Impoundment Comments
Bell	200004	M-35	Y	No useful information in permit file. Permit authorizing surface work issued October 20, 1970.	Main Tailings Impoundment Dam 3 Main Tailings Impoundment Dam 4 Main Tailings Impoundment Dam 5 Main Tailings Impoundment Dam 1 Tailings Pond Extension Dam 7 Tailings Pond Extension Dam 8 Main Tailings Impoundment Dam 6	1980 1980 [1982] 1980 [1989] [1989] [1987]	Investigation Report on the Leakage from the Bell Tailings Dam, 1989 by the Head of Geotechnical Engineering and Inspector of Mines dated April 2, 1990 indicated 1) in about 1980 tailings placed in main impoundment enclosed behind 4 dams 2) as pond level rose 2 more dams added along east ridge 3) before filling original impoundment, expanded and needed two new dams (dam 7 and 8) 4) construction of dam 7 was completed in 1988 5) dam 8 has not started yet. Letter from Geotechnical Inspector dated July 2, 1980 indicates tailings disposal facility was in use. Proceedings on March 26 - 29, 1982 Positive Discharge at Dam #5 by the Senior Geotechnical Inspector dated May 4, 1982 indicates dam 5 was in use. Letter dated February 27, 1987 by Senior Mine Engineer at Bell Mine indicates dam 6 was in use. 2002 Environmental Remediation Report indicates Tailings Expansion Pond was used on a limited basis in 1985. Bell Mine Closure Tailings Pond Spillway Report dated September 1, 1996 indicates the last inflow to Tailings Pond was in 1986. Current Google Earth view indicates ponding in Tailings Pond area and Tailings Pond Extension area, appears no water is against dams. Report of the Geotechnical Inspector dated May 22, 2001 indicates 1) mine closed in 1972 2) all six tailings dams around Pond No. 2 are in average condition 3) main freeboard exceeds 4m. Dam Safety Review of Bell and Granisale Mines dated March 2001 indicates 1) the dams were designed in 1971 and the tailings dam extension was designed in 1982.
Endako	900003	M-4	Y	Permit Authorizing surface work issued February 12, 1971. Amendments to note approval for modification of the tailings impoundment system (saddle dam) - December 13, 1982 2) Approving tailings impoundment northeast fill dam - 3920 ft. 4) Approving re-design of tailings dam - November 12, 2004 5) Approving tailings operating level - January 3, 2008 6) Approving increase in mill throughput, 7 south dump expansion and TSF disposition plan - February 12, 2013	Tailings Pond #1 North Dam Tailings Pond #2 East Dam Tailings Pond #2 Saddle Dam Tailings Pond #2 South Dam Tailings Pond #2 Southwest Dyke Tailings Pond #3 West Dam Tailings Pond #3 North Dam Infill Embankment Tailings North Eastfill Dam	[1972] [1972] [1972] [1972] [1972] 2010 2010 1990	From Google Earth appears no water near dam 6. Closure Estimate Bell Mine dated August 2000 indicate Dam #5 to be filled in and will be graded, seeded and fertilized. 2009 URS Annual Tailings Review indicates open pit mining at Endako began in 1965. Info in MEM correspondence indicates Dam 1-A (South Dam) and Ponds #1 and #2 were under construction in 1972 (Letter from Chief Inspector). A report completed by Endako suggested the old structures at this location (rock-filled dyke) had stability issues. The mine was closed from 1982 to 1986. According to 2007 Annual Report for Permit FE-1307, the permit which regulated tailings discharge was issued Feb 23, 1973 Tailings Pond #2 is reported inactive in 2012. Reclamation underway in 2014 according to Oct 27/14 report of geotechnical inspector. TP 2 has a spillway. TP 1 and TP 3 do not.
Gibraltar	900004	M-40	Y	Permit Authorizing surface work issued February 12, 1971. Amendments to note approval for modification of the tailings impoundment system (saddle dam) - December 13, 1982 2) Approving tailings impoundment northeast fill dam - 3920 ft. 4) Approving re-design of tailings dam - November 12, 2004 5) Approving tailings operating level - January 3, 2008 6) Approving increase in mill throughput, 7 south dump expansion and TSF disposition plan - February 12, 2013	Tailings Storage East Saddle Dam Tailings Storage Main (Cyclone Sand) Dam Emergency Spills Lagoon Tailings Storage Facility	1986 1972 [1968]	2013 Environmental and Reclamation Report dated April 2014 indicates 1) Gibraltar Mine operated from 1972 to 1999 then bought out 2) brought back into production in 2004 3) Ore is mined by truck and shovel open pit method 4) still actively mining granite 5) All structures are part of the TSF - A Tailings Dam Review 1989-1990 report by Kohn Leonoff dated December 18, 1991 indicates 1) construction of the Gibraltar Tailings Storage East Saddle Dam on elevation 3,050 ft was completed in 1980, and was considered satisfactory 2) the second stage of embankment to its ultimate crest elevation of 5,565 ft will not be required to the next several years. Letter dated June 21, 1985 from Gibraltar Mines indicated that they are going to be submitting an application for a Saddle Dam and increase the height of the dam. Letter dated July 28, 1986 from the Chief Inspector indicating approval of Saddle Dam. Drawings from 1971 indicate Cyclone Sand dam on plans, noted as starter dam on some of the drawings. Letter from the Inspector of Mines dated August 23, 1972 indicated an inspection of the tailings dam and pond took place, they requested information from the mine regarding post-starting construction.
Pindhi Lake	1640007	M-5	Y	Site photos in September 1969 Reclamation Report show TSF in operation. Mine re-opened in 1968, closed in 1975.	Tailings Storage Facility	Pre-1982	Talking with Diane 1) has a little bit of tailings in facility 2) mostly used as a water retention structure 3) used by the FNRO as a facility to breed fish
Awasi/Dakab (aka Little Ok Lake)	300419	M-50	Y	Permit file not found in its entirety. Letter from Inspector of Mines in 1986 indicates that mine has been inactive since 1982. No specific information found on the construction date of the TSF/Beas	No. 2 Tailings Pond Dam 2 No. 2 Tailings Pond Dam 3 No. 2 Tailings Pond Dam 4 No. 2 Tailings Pond Dam 5 No. 1 Tailings Pond Dam 1	1972 1972 1972 1972 1986	Need TSF reclamation date. DSR Bell and Granisale Mines dated March 2001 indicates 1) Dam 1 was constructed first to form Tailings Impoundment 1 2) no documentation on the design and as-built information for Dam 1 is available 3) the main tailings impoundment 12 provided tailings storage for the mine till 4) Geocor (1993) presented hydrologic data and analysis, concluded that the dam was in good condition for use for 100 years. In 2000 Reclamation Report dated March 2001, mine production began in 1965, pond #1 used until 1972, Pond #2 used from 1972 to 1982, a third pond was begun, but never used. Dam #1 is not holding water...when did this happen? need TSF reclamation date need TSF reclamation date need TSF reclamation date need TSF reclamation date
Granisale	200039	M-6	Y	Based on 2000 Reclamation Report dated March 2001, mine production began in 1965, pond #1 used until 1972, Pond #2 used from 1972 to 1982, a third pond was begun, but never used. Dam #1 is not holding water...when did this happen?	No. 1 Tailings Pond Dam 1	1986	need TSF reclamation date. Report of Geotechnical Inspector dated May 22, 2001 indicates 1) only small pond exist in central area of Pond No. 2, 2) photo of Pond No. 1 shows it revegetated.

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British Columbia Tailing Storage Facility Inventory - Permit Research Commentary

Mine Name	Mine #	Permit #	Permit File Review Complete? (Y/N)	Permit/Document Comments	Structure Name / Tailings Impoundment Designation	TSF Start Date (Use brackets if an estimate)	Impoundment Comments
Grant Nickel/Pit of Emory	400002	M-64	Y	Permit authorizing surface work issued December 9, 1971.	Lower Tailings Storage Facility	[1972]	Mention of inspection for Tailings Storage and Tailings Pond Facilities mentioned in letter dated July 27, 1971 from the Inspector of Mines and Resident Engineer, C.O. Brawner Engineering Ltd. s November 1989. The report states that the tailings pond was constructed in 1972 and that the pond was closed in 1989. The report also states that the pond was closed in 1989 and that the pond was closed in 1989. The report also states that the pond was closed in 1989 and that the pond was closed in 1989.
Silvana/Kondke Silver/Hickley	500001	M-65	Y	Permit authorizing surface work issued December 9, 1971. August 23, 1984 CO Brawner Engineering Ltd. report titled "Silvana Mine Waste Empoundment Dike" indicated that Ponds #1 and #2 are dry. Pond #3 has a small amount of surface water. The 1986 report indicates that Pond #3 is dry.	Upper Tailings Storage Facility Tailings Storage Facility Pond No 1	[1970]	Upper pond and lower pond photos from 1981. Inter-Office Correspondence dated November 2m 1959 from MIN/FILE indicates 1) No. 1 adit was commenced in 1933/2) when operations closed down in 1937/2 adits had been driven and completed. Report of Inspection of Mines Geotechnical Inspection that took place September 29, 1987 indicated 1) Pond no. 1 dry 2) Pond no. 2 had freeboard of 1 m 3) new impoundment under construction, maybe Pond no. 3. In a letter dated July 29, 1992 from MEM to Tremnic Resources Ltd. MEM asked if now discharging tailings into #3 Pond. Report of Inspection of Mines Geotechnical dated July 21, 1994 indicates 1) there are 3 ponds 2) Ponds 1 and 2 were dry 3) Pond 3 had a small pond. Report of Geotechnical Inspector of an inspection that took place June 10, 1997 indicated 1) Silvana Mine has been shut down since April 1995 and Chief Inspector stated mine is closed in April 17, 1997 2) Pond No. 1 shall be reclaimed now as it is full. report of Geotechnical Inspector dated August 12, 1999 (2) indicates 1) Pond 1 is full of debris and should be reclaimed 2) Pond 2 is full of debris and should be reclaimed 3) Pond 3 small amount of tailings has been released through the dam in site dam crest requires repair. Report of Geotechnical Inspector, date of inspection July 11, 2000 1) Pond 1 west embankment sloughing due to pipe damage and discharge on the downstream embankment slope 2) Pond 2 conditions inactive and shall be reclaimed 3) Pond 3 10,000 tonnes capacity remains. Letter dated March 31, 2010 from Mine-site manager for Kondke Silver Corp. mentions the required surface water diversion ditch was constructed in 2008. Reclamation Programme and Report dated November 4, 1971 mentions 1) tailings area located on valley floor 2) old tailings area has been included in the enlarged area "row" in use 3) 11 acres of tailings area.
Craigmont	1500125	M-68	Y	Permit authorizing surface work issued December 9, 1971.	Tailings Storage Facility Pond No 2 Tailings Storage Facility Pond No 3 Expanded Tailings Facility Dike 1 Expanded Tailings Facility Dike 2 Expanded Tailings Facility Dike 3 Lower Tailings Facility West Tailings Facility Dike 4 Upper Tailings Facility North Tailings Management Facility Cell 6 North Tailings Management Facility Cell 7 South Tailings Management Facility Cell 1 South Tailings Management Facility Cell 2 South Tailings Management Facility Cell 3 South Tailings Management Facility Cell 4 South Tailings Management Facility Cell 5	[1970] [1987] [2008] Jul-09 Aug-09 [1986] [2013] 1996 1988	Inspection Silvana Tailings Dam dated June 4, 2001 indicates Pond 2 is full (looks dry from pictures.. how can be full and dry?) Silvana Mine Closure Cost Estimate by Stinson, B.C. dated January 2002 indicates 1) Pond 3 was added in approx. 1987 2) 4 fourth pond (Pond 4) has been delineated downstream of Pond #3 however, it only receives decanted water at "this" (line 2) at the time, tailings discharged into Pond #3 and water that decants off Pond #3 is recirculated via Pond #1 and #2 to allow for greater retention/settling time prior to being released through the Pond #4 area. Silvana Mine Annual Reclamation Report 2011. Little information, indicated tailings were placed in Pond #3. Annual Reclamation Report for 1988 dated February 2, 1999 indicated work at the mine is suspended. Craigmont Mine Tailings Facility 2010 Annual Review Report dated April 7, 2011 1) Dikes 2 and 3 were raise in July and August 2009 2) forms western boundary of Expanded Tailings Facility Craigmont Mine Tailings Facility 2010 Annual Review Report dated April 7, 2011 1) Dikes 2 and 3 were raise in July and August 2009 2) Dike 3 forms boundary between Dike 1 and Dike 2 Craigmont Mine Tailings Facility 2010 Annual Review Report dated April 7, 2011 1) LTF constructed between 1992 and 1996 2) deposition to LTF ended in approx. 1997/Expansion of Lower TSF given May 3, 2001 West Tailings Facility was under development in March 2011. Craigmont Mine 2011 Annual Report dated September 2012 1) EFT reached capacity during fall/winter 2011 and WTF was created by Dike 4 Approval to construct Tailings Facility given September 20, 1996. Craigmont Mine Tailings Facility 2010 Annual Review Report dated April 7, 2011 1) UTF dam initially constructed in 1996-1997 2) first raise was in downstream direction in 200 with subsequent lifts in 2005 and 2006 3) was used for tailings deposition between 1996 and October 2006 3) is "no longer" in use 4) in March 2011, surface dry but snow covered. Craigmont Mine Annual Water Quality Report Lower Nicola dated March 14, 2013 indicates 1) mine operated as copper/iron/silver/gold producer from 1962 to 1982 2) since 1992 tailings has been reprocessed through physical and magnetic separation for the production of hematite and magnetite and water reclaimed from process discharged to tailings facility in 2011 3) In 2012 construction of silver/lead ore mill began and tailings from new mill are being deposited into a lined tailings facility with the reprocessed tailings facility
Beaverdell	400004	M-71	Y	According to 1995 Annual Reclamation Report, mining and milling ceased February 1991. No further mining activity since. September 22, 2002 Report of Geotechnical Inspector references inspection on July 24, 1989 and that TSF 1-6 were inactive, while TSF 7 was active at the time of the 1989 report. May 4, 2005 Tech Inspection report indicates no standing water in any of the 7 embankments. No information on construction or design dates. -- Permit for Tech Corp. dated December 9, 1971 (found on MEM server)			

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British Columbia Tailings Storage Facility Inventory - Permit Research Commentary

Mine Name	Mine #	Permit #	Permit File Review Complete? (Y/N)	Permit/Document Comments	Structure Name / Tailings Impoundment Designation	TSF Start Date (Use brackets if an estimate)	Impoundment Comments
Mount Copeland		M-72		No Permit file found	Tailings Storage Facility	[1970]	Information coming from MINFile database 1) underground exploration commenced in September 1967(2) decision to into production was made in 1969 and installation of a crusher and concentrator was completed in 1970
Sullivan	600001	M-74	Y	Permit authorizing surface work issued December 9, 1971. August 23, 1984 CO Brewer Engineering Ltd. report titled "Sivana Mine Waste Empoundment Dyer indicated that ponds M-72 and M-74 are dry, and that the total amount of surface water. The 1986 report indicates that Pond M-9 is dry.	East Gypsum Pond Northeast Dyke	1985	Part of East Gypsum Pond. Sullivan Mine 2012 Annual Reclamation Report indicates 1) total of 14 earth fill structures that create 6 separate impoundments 2) the two dams (North and South Dams) are part of the ARD Storage Pond 3) the East Gypsum Pond 4) the Sludge Pond 5) the Active Iron Pond 6) the Emergency Storage Pond (within the Iron Pond) and the Sludge Pond 6) the other tailings facilities have been decommissioned and in final stages of reclamation 7) reclamation inc. covering pond surface and construction of surface water runoff conveyance channels and spillways
					Active Iron Pond (Emergency Storage Pond)	[1975]	Sullivan Mine 2012 Annual Reclamation Report indicates 1) total of 14 earth fill structures that create 6 separate impoundments 2) the two dams (North and South Dams) are part of the ARD Storage Pond 3) the mine was closed in 2001 4) reclamation work on the tailings areas started in 1990 and was essentially complete by 2009 5) currently only 3 operating impoundments ARD Storage Pond, the Emergency Storage Pond (within the Iron Pond) and the Sludge Pond 6) the other tailings facilities have been decommissioned and in final stages of reclamation 7) reclamation inc. covering pond surface and construction of surface water runoff conveyance channels and spillways 8) . Letter SRK Robinson dated June 7, 1991 indicated the stated dam for the perimeter embankment around the Active Iron Tailings Pond was constructed in 1975, and since then there has been 3 extensions and the most recent one happened in 1990. New spillway for the ESP was constructed in October, 2007. The ESP contained water in 2011 due to high spring rainfall.
Red Mt (Rossland)	500456	M-3	Y	Permit Authorizing surface work issued January 20, 1970.	Caliche Dyke	1972	Part of Caliche Pond. 2012 Annual Reclamation Report indicated non calcine mining activity ceased in April 2011. 2012 Annual Reclamation Report indicates 1) pit walls re-sloped to stable slope and top dressed w/ 25-30 cm of fill and seeded.
					East Gypsum Pond East Dyke	1969	Part of East Gypsum Pond. Photos from May 1984 shows ponds with water. 2012 Annual Review of Tailings Dykes by Kibhn Crippen Berger indicates 1) there is a surface water diversion channel 2) that they are still establishing a possible head between precipitation and seepage through the tailings dykes
					Old Iron Pond	Before 1941	The 2009 Annual Report on Tailings and Waste Impoundments indicates 1) Prior to 1941, all tailings deposited in the Old Iron Pond 2) With initiation of tin and iron concentrate production in 1942, a two-system process of tailings disposal was implemented 3) The Old Iron Pond was decommissioned in 1965, after which time it was directed to the Active Tailings Pond 4) Use of the Siliceous Ponds discontinued after 1987 Since then a single tailings flow was produced and discharged to the Active Tailings Pond 5) the East and West Gypsum Ponds constructed in 1969, the Caliche Ponds 1972 and the Cooling Ponds 1975. 2012 Annual Review of Tailings Dykes by Teck Metals Ltd indicates 1) Outwest Limb of Old Iron Pond Dyke has been re-sloped in 2007 and extended dth toe with a berm
					Siliceous Pond 1	Before 1941	2012 Annual Review of Tailings Dykes by Kibhn Crippen Berger indicates 1) surface water diversion channel and spillway are in good condition.
					Siliceous Pond 3	[1975]	Photos from 1981 showed construction of Siliceous Pond No. 3 extension
					Siliceous Pond 2	[1975]	Photos from May 13, 1984 shows the beach of the pond
					West Gypsum Pond Dyke	1969	Part of West Gypsum Pond
					Good Friday Tailings Storage Facility	1967	Letter dated September 26, 1969 indicated 1) production began in June 1966 2) the older tailings area known as Good Friday Tailings Facility (1967) is now phased out of active use 3) Jumbo Tailings is now under construction and will be completed in 1970 4) Jumbo Tailings is now under construction and will be completed in 1970 5) Jumbo Tailings is now under construction and will be completed in 1970 6) Jumbo Tailings is now under construction and will be completed in 1970 7) Jumbo Tailings is now under construction and will be completed in 1970 8) Jumbo Tailings is now under construction and will be completed in 1970 9) Jumbo Tailings is now under construction and will be completed in 1970 10) Jumbo Tailings is now under construction and will be completed in 1970 11) Jumbo Tailings is now under construction and will be completed in 1970 12) Jumbo Tailings is now under construction and will be completed in 1970 13) Jumbo Tailings is now 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					Jumbo Tailings Storage Facility	1969	Very little information on the tailings facilities in the file - appears that there have been annual reports written but not on-site. Report and photos from Report dated June 8, 1969 indicated 1) large sink holes developed in the North Pond (Jumbo TSF June 4, 1969 2) photos showed the TSF dry on surface but wet with sink holes. Kibhn-Crippen Shinkole Remediation Report dated August 5, 1969 indicates 1) Mine was abandoned in early 1970s 2) final closure of the time site has yet to be completed.
					Tailings Storage Facility	[1971]	Based on 1987 Report of Geotechnical Inspector, tailings have not been deposited in facility since about 1989 and the tailings surface is a source of windblown dust; aerial drifting is evident at the south end. The Annual Dam Safety Inspection Report 2011, indicated that no water was reported in any of the piezometers since 1992. The mill shut down permanently at the end of December 1990. The Annual Reclamation Report 2010 indicated that reclamation work commenced in 1992. Photos found in file indicate tailings dam in use in 1971.
Tailings Storage Facility	[1960]	Report of Geotechnical Inspector for an inspection that took place July 14, 2014 indicates 1) dam was constructed by a series of fills starting in the 1960s 2) Between 1990 and 1998 dam was raised 3) currently in use					
Mineral King	[1960]						
Tremblay Ranch Tailings Storage Facility (aka Phoenix Tailings)			No reference to this TSF in the file. -1978 KL Report does not include it on their plan drawing.				
Twin Creek Tailings Storage Facility			November 17, 1975 Kibhn Leonoff Report indicates that first stage of starter dam constructed in early 1967. Mining ceased in Oct 1976. report details proposed spillways				

Totals	67	72	70	180	159
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NOTES FOR READER:

1) Red bold to xl is associated with in debts