

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
K-1	36	36.5	10413	14.5	8.04	0	0	3.11	27.82
K-1	36.5	37	14416	15.65	5.88	0	0	2.34	31.06
K-1	37	37.5	13971	11.5	3.03	0	0	0	45.37
K-1	37.5	38	732	0.82	0	0	0	0	0
K-1	38	38.5	14603	3.25	20.08	0	0	6.03	63.16
K-1	38.5	39	14721	6.11	14.87	0	0	4.12	49.93
K-1	39	39.5	10447	0.32	47.64	0	0	12.42	74.61
K-1	39.5	40	11688	0.77	35.4	0	0	5.44	74.94
K-1	40	40.5	15864	4.63	15.23	0	0	5.24	59.69
K-1	40.5	41	9730	9.61	18.61	0	0	15.32	51.17
K-1	41	41.5	12909	1.57	32.35	0	0	33.99	63.44
K-1	41.5	42	10307	2.45	37.74	0	0	14.23	57.37
K-1	42	42.5	15836	0.8	26.41	0	0	31.84	59.4
K-1	42.5	43	14023	1.03	41.62	0	0	6.4	72.6
K-1	43	43.5	13678	3.72	7.89	0	0	0.54	67.04
K-1	43.5	44	8329	1.26	18.19	0	0	30.72	62.73
K-1	44	44.5	11394	0.72	33.11	0	0	10.69	70.82
K-1	44.5	45	14895	0.49	16.21	0	0	47	58.94
K-1	45	45.5	10482	3.73	13.61	0	0	33.69	40.29
K-1	45.5	46	12040	0.02	1.09	0	0	72.44	74.95
K-1	46	46.5	17969	0.07	1.62	0	0	76.64	73.9
K-1	46.5	47	18182	0.36	4.64	0	0	69.65	68.31
K-1	47	47.5	15568	0.19	12.22	0	0	64.93	65.54
K-1	47.5	48	13672	0.24	54.91	0	0	14.31	38.76
K-1	48	48.5	16281	0.41	23.2	0	0	39.27	46.1
K-1	48.5	49	16412	1.49	23.78	0	0	28.22	51.15
K-1	49	49.5	10875	4.57	27.68	0	0	20.16	54.11
K-1	49.5	50	11592	0.09	35.7	0	0	19.18	70.25
K-1	50	50.5	16481	5.38	3.76	0	2.58	7.85	47.17
K-1	50.5	51	15939	9.77	10.02	0	0.02	23.95	34.43
K-1	51	51.5	9725	0.27	8.4	0	0	61.61	45.76
K-1	51.5	52	14983	0.8	8.65	0	0	59.16	51.26
K-1	52	52.5	14160	0.9	3.86	0	0	70.33	42.37

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
K-1	36	36.5	0	0.02	0	0.46	0	0
K-1	36.5	37	0	0	0	0.39	0.8	0
K-1	37	37.5	0	0	0	0.31	0	0
K-1	37.5	38	0	0	0	0.41	0	0
K-1	38	38.5	0	0	0	0.23	0	0
K-1	38.5	39	0.29	0	0	0.4	0.13	0
K-1	39	39.5	0	0	0	0.22	0	0
K-1	39.5	40	0	0	0	0.22	0	0
K-1	40	40.5	0	0.01	0	0.45	0	0
K-1	40.5	41	0	0	0	0.3	0	0
K-1	41	41.5	0.62	0	0.01	0.5	0	0.12
K-1	41.5	42	0	0	0	0.34	0	0
K-1	42	42.5	0	0	0	0.09	0	0
K-1	42.5	43	0.01	0	0	0.31	0	0
K-1	43	43.5	0	0	0	0.17	8.22	0
K-1	43.5	44	0	0	0	0.12	0	0
K-1	44	44.5	0	0.01	0	0.18	0	0
K-1	44.5	45	0	0	0	0.21	0	0
K-1	45	45.5	0	0	0	0.38	0	0
K-1	45.5	46	0	0	0	0.26	0	0
K-1	46	46.5	0	0	0	0.17	0	0
K-1	46.5	47	0	0	0	0.2	0	0
K-1	47	47.5	0	0	0	0.19	0	0
K-1	47.5	48	0	0	0	0.15	0	0
K-1	48	48.5	0	0	0	0.15	0	0
K-1	48.5	49	0	0	0	0.53	0	0
K-1	49	49.5	0	0	0	0.46	0	0
K-1	49.5	50	0	0	0	0.3	0	0.01
K-1	50	50.5	0.46	0	0	0.19	0	0.01
K-1	50.5	51	18.68	0.69	0	1.56	0	1.47
K-1	51	51.5	0	0.01	0	0.65	0	0
K-1	51.5	52	0	0	0	0.64	0	0
K-1	52	52.5	0	0.34	0.04	0.44	0	0.28

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
K-1	36	36.5	13.2	1.42	35.39	0	0	0.05
K-1	36.5	37	10.67	1.01	30.19	0	0	0.33
K-1	37	37.5	7.62	0.16	38.21	0	0	0.29
K-1	37.5	38	95.9	0	0	0	0	0.96
K-1	38	38.5	3.52	2.16	61.08	0	0	0.01
K-1	38.5	39	9.37	2.18	50.8	0	0	0.33
K-1	39	39.5	0.1	0.11	81.34	0	0	0
K-1	39.5	40	3.94	0.11	80.26	0	0	0.4
K-1	40	40.5	1.15	0.01	69.15	0	0	0.03
K-1	40.5	41	1.02	0	55.83	0	0	0.07
K-1	41	41.5	0.17	0	46.16	0	0	0
K-1	41.5	42	0.96	0.01	72.37	0	0	0.08
K-1	42	42.5	0.03	0	49.44	0	0	0
K-1	42.5	43	1.11	0.61	83.16	0	0	0.09
K-1	43	43.5	3.84	0.37	34.81	0	0	0.09
K-1	43.5	44	2.87	0.44	36.8	0	0	0
K-1	44	44.5	1.52	0.75	75.85	0	0	0
K-1	44.5	45	0.58	0	29.18	0	0	0.05
K-1	45	45.5	8.51	0.13	33.31	0	0	0.42
K-1	45.5	46	0	0	6.48	0	0	0
K-1	46	46.5	0	0	7.16	0	0	0
K-1	46.5	47	0.01	0	13.71	0	0	0
K-1	47	47.5	0.49	0.03	20.14	0	0	0.01
K-1	47.5	48	0	0	80.43	0	0	0.01
K-1	48	48.5	3.53	0.03	34.79	0	0	0.05
K-1	48.5	49	5.42	0.32	50.17	0	0	0.07
K-1	49	49.5	0.6	0	64.28	0	0	0
K-1	49.5	50	0.04	0	72.6	0	0	0
K-1	50	50.5	1.78	0	76.17	0	0	0.47
K-1	50.5	51	2.31	1.25	23.16	0	0	0
K-1	51	51.5	2.9	0.19	13.74	0	0	0
K-1	51.5	52	3.03	0.06	22	0	0	0
K-1	52	52.5	3.59	1.33	7.28	0	0	0

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
K-1	36	36.5	0	37.3	1.83	0	0
K-1	36.5	37	0	41.59	1.1	0	0
K-1	37	37.5	0	38.21	0.31	0	0
K-1	37.5	38	0	13.8	0	0	0
K-1	38	38.5	0	41.35	0.28	0	0
K-1	38.5	39	0	48.94	1.13	0	929.24
K-1	39	39.5	0	22.85	0.09	0	0
K-1	39.5	40	0	26.78	0.09	0	0
K-1	40	40.5	0	26.61	0.18	0	868.1
K-1	40.5	41	0	23.01	0.14	0	0
K-1	41	41.5	0.02	18.27	0.04	0	940.07
K-1	41.5	42	0	20.35	0.04	0	0
K-1	42	42.5	0	12.59	0	0	0
K-1	42.5	43	0	27.1	0.51	0	888
K-1	43	43.5	0	57.04	1.47	0	0
K-1	43.5	44	0	30.17	1.12	0	0
K-1	44	44.5	0	27.42	0.81	0	0
K-1	44.5	45	0	15.64	0.04	0	0
K-1	45	45.5	0	13.78	0.19	0	0
K-1	45.5	46	0	9.12	0.01	0	0
K-1	46	46.5	0	15.83	0.07	0	0
K-1	46.5	47	0	18.99	0.12	0	0
K-1	47	47.5	0	16.39	0.17	0	0
K-1	47.5	48	0	9.48	0	0	0
K-1	48	48.5	0	10.79	0.03	0	0
K-1	48.5	49	0	23.66	0.38	0	0
K-1	49	49.5	0	21.46	0.5	0	0
K-1	49.5	50	0	42.48	0.53	0	0
K-1	50	50.5	1.81	45.24	1.18	2347.05	924.12
K-1	50.5	51	0.01	42.36	0.83	2350.65	928.85
K-1	51	51.5	0	51.87	0.7	0	0
K-1	51.5	52	0	43.03	0.25	0	0
K-1	52	52.5	0	46.38	0.26	0	877.04

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
K-1	36	36.5	0.99923	0.45	2206.54	0.18	2.91
K-1	36.5	37	0.99758	0.51	2205.98	0.13	2.7
K-1	37	37.5	0.99693	0.43	2207.02	0.28	1.87
K-1	37.5	38	0.99864	0.4	2208.49	0	1.94
K-1	38	38.5	0.99793	0.44	2206.43	0.15	2.51
K-1	38.5	39	0.99835	0.47	2206	0.19	2.43
K-1	39	39.5	0.99813	0.4	2206.4	0.04	3.11
K-1	39.5	40	0.99738	0.43	2206.49	0.28	2.85
K-1	40	40.5	0.99777	0.44	2207.37	0.23	2.27
K-1	40.5	41	0.99843	0.43	2207.01	0.36	2.01
K-1	41	41.5	0.9977	0.42	2207.46	0.38	1.48
K-1	41.5	42	0.99861	0.4	2205.98	0.29	4.27
K-1	42	42.5	0.99728	0.36	2205.1	0.62	7.9
K-1	42.5	43	0.99815	0.42	2205.12	0.42	6.46
K-1	43	43.5	0.99682	0.69	2204.07	0.22	3.11
K-1	43.5	44	0.99813	0.51	2205.62	0.12	3.07
K-1	44	44.5	0.99854	0.46	2206.4	0.16	2.11
K-1	44.5	45	0.99836	0.41	2206.76	0.17	2.75
K-1	45	45.5	0.99959	0.43	2207.4	0.14	2.07
K-1	45.5	46	0.99896	0.37	2205.74	0.55	4.33
K-1	46	46.5	0.99828	0.38	2205.39	0.81	5.76
K-1	46.5	47	0.99842	0.39	2205.51	0.76	5.88
K-1	47	47.5	0.99793	0.39	2205.23	0.35	6.14
K-1	47.5	48	0.99799	0.37	2206.4	0	1.85
K-1	48	48.5	0.99879	0.38	2206.25	0.34	3.36
K-1	48.5	49	0.99786	0.43	2205.98	0.42	5.03
K-1	49	49.5	0.99815	0.52	2205.86	0.34	2.82
K-1	49.5	50	0.99644	0.43	2205.23	0.42	3.33
K-1	50	50.5	0.99739	0.48	2205.56	0.17	2.57
K-1	50.5	51	0.99799	0.46	2204.98	0.37	4.12
K-1	51	51.5	0.9969	0.41	2205.68	0.08	1.98
K-1	51.5	52	0.99828	0.4	2206.01	0.11	1.96
K-1	52	52.5	0.99783	0.38	2206.47	0.17	2.02

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
K-1	36	36.5	66.25	30.17	0.49	2255.29	0.04	2.59
K-1	36.5	37	71.88	25.04	0.25	2255.14	0.02	3.58
K-1	37	37.5	60.02	37.26	0.56	2255.58	0.1	3.26
K-1	37.5	38	29.13	67.96	0.97	0	0	0
K-1	38	38.5	70.24	26.96	0.13	2257.47	0	0.51
K-1	38.5	39	77.44	19.91	0.03	2257.33	0	1.09
K-1	39	39.5	67.39	29.08	0.38	2257.91	0.01	0.45
K-1	39.5	40	68.75	27.33	0.79	2257.51	0.08	0.74
K-1	40	40.5	55.28	40.97	1.24	2257.35	0.15	1.27
K-1	40.5	41	61.97	34.72	0.94	2257.81	0.06	1.51
K-1	41	41.5	53.8	43.7	0.64	2257.99	0.13	1.25
K-1	41.5	42	70.65	24.26	0.53	2257.04	0.02	1.5
K-1	42	42.5	72.34	18.47	0.67	2256.27	0.08	2.58
K-1	42.5	43	75.57	17.21	0.34	2256.08	0.08	2.34
K-1	43	43.5	92.53	4.06	0.08	2255.36	0.04	2.43
K-1	43.5	44	77.71	19.02	0.08	2255.42	0.02	4.68
K-1	44	44.5	70.67	26.93	0.13	2255.74	0.01	3.66
K-1	44.5	45	62.77	34.01	0.3	2255.76	0.12	5.58
K-1	45	45.5	54.29	43.29	0.21	2255.76	0.15	5.5
K-1	45.5	46	70.05	24.7	0.37	2257.15	0.01	0.58
K-1	46	46.5	74.22	19.1	0.11	2256.87	0.02	1.26
K-1	46.5	47	72.5	20.57	0.29	2257.18	0.02	0.7
K-1	47	47.5	76.22	16.89	0.39	2257.06	0.01	0.85
K-1	47.5	48	72.95	25.04	0.15	2257.63	0	1.07
K-1	48	48.5	69.23	26.84	0.23	2257.48	0.08	1.58
K-1	48.5	49	70.32	23.72	0.52	2257.59	0.04	1.94
K-1	49	49.5	80.65	15.72	0.47	2256.93	0.02	2.55
K-1	49.5	50	85.66	10.47	0.12	2256.62	0.01	1.87
K-1	50	50.5	86.25	10.91	0.11	2256.4	0.03	1.44
K-1	50.5	51	86.61	8.74	0.16	2256.47	0.02	2.02
K-1	51	51.5	84.4	13.42	0.12	2257.08	0	1.58
K-1	51.5	52	77.77	20.03	0.14	2257.02	0	1.69
K-1	52	52.5	69.03	28.62	0.17	2257.47	0	1.58

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
K-1	36	36.5	71.9	25.47
K-1	36.5	37	73.49	22.91
K-1	37	37.5	66.41	30.23
K-1	37.5	38	0	0
K-1	38	38.5	41.67	57.82
K-1	38.5	39	42.56	56.35
K-1	39	39.5	33.35	66.19
K-1	39.5	40	39	60.17
K-1	40	40.5	41.84	56.74
K-1	40.5	41	33.53	64.9
K-1	41	41.5	32.23	66.39
K-1	41.5	42	47.86	50.63
K-1	42	42.5	56.86	40.48
K-1	42.5	43	60.77	36.81
K-1	43	43.5	74.66	22.86
K-1	43.5	44	67.65	27.66
K-1	44	44.5	64.33	31.99
K-1	44.5	45	58.56	35.74
K-1	45	45.5	58.53	35.81
K-1	45.5	46	47.44	51.97
K-1	46	46.5	51.69	47.03
K-1	46.5	47	46.82	52.45
K-1	47	47.5	48.02	51.12
K-1	47.5	48	38.71	60.22
K-1	48	48.5	39.79	58.54
K-1	48.5	49	38.26	59.77
K-1	49	49.5	47.76	49.68
K-1	49.5	50	53.76	44.36
K-1	50	50.5	58.38	40.16
K-1	50.5	51	56.02	41.94
K-1	51	51.5	45.94	52.48
K-1	51.5	52	48.22	50.09
K-1	52	52.5	41.67	56.75

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
K-1	52.5	53	14200	4.23	3.34	0	0	56.05	43.52
K-1	53	53.5	9294	0.16	2.8	0	0	57.85	54.02
K-1	53.5	54	17950	1.49	0.01	0	0	91.5	47.48
K-1	54	54.5	17828	0.81	0.45	0.01	0	74.74	42.44
K-1	54.5	55	15764	0.15	0.04	0	0	93.55	31.4
K-1	55	55.5	8581	0.43	0.43	0	0	95.55	0.66
K-1	55.5	56	15691	1.89	0.47	0	0.17	86.16	6.12
K-1	56	56.5	14448	0.51	0.42	0.01	0.24	76.97	16.1
K-1	56.5	57	14426	0.21	1.73	0	0	62.68	12.39
K-1	57	57.5	10501	0.36	7.29	0	0	22.14	60.79
K-1	57.5	58	12402	4.09	6.56	0	0	26.27	45.5
K-1	58	58.5	12616	0.17	8.31	0	0.97	54.93	67
K-1	58.5	59	7171	1.14	24.61	0	0.04	44.02	83.46
K-1	59	59.5	12769	1.06	2.67	0	0.52	68.49	46.26
K-1	59.5	60	14840	4.56	8.07	0	3.98	40.36	48.25
K-1	60	60.5	13104	2.11	6.32	0	0.36	20.11	46.71
K-1	60.5	61	7041	8.02	11.06	0	5.31	5.88	43.45
K-1	61	61.5	15002	0.71	10.95	0	0	5.7	82.78
K-1	61.5	62	16771	0.42	4.97	0	14.17	16.73	71.64
K-1	62	62.5	17458	1.23	4.2	0	0.04	39.79	56.94
K-1	62.5	63	12563	0.1	11.65	0	0	46.81	41.42
K-1	63	63.5	16681	0.91	8.02	0	0.01	24.67	52.84
K-1	63.5	64	17199	5.32	33.55	0	2.83	17.31	51.69
K-1	64	64.5	13398	0.12	7.02	0	0.03	63.59	32.95
K-1	64.5	65	14472	0.19	20.98	0	3.54	36.03	35.63
K-1	65	65.5	17212	0.01	9.27	0	0.38	63.37	45.65
K-1	65.5	66	13192	1.33	13.89	0	0.52	36.81	34.14
K-1	66	66.5	12185	4.19	5.19	0	0.21	46.9	30.81
K-1	66.5	67	17424	0.19	10.21	0	0.6	44.52	44.21
K-1	67	67.5	17471	0.07	4.06	0.02	3.62	69.68	20.55
K-1	67.5	68	17363	0.02	2.1	0	0.29	93.88	5.26
K-1	68	68.5	10895	0.17	0.76	0	0.02	83.58	17.61
K-1	68.5	69	17880	0.03	0.19	0	0	94.65	25.91

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
K-1	52.5	53	8.04	0.01	0	0.45	0.03	5.81
K-1	53	53.5	0	0	0	0.17	0	0
K-1	53.5	54	2.09	0.17	0	0.05	0	0.12
K-1	54	54.5	0	0.02	0.01	0.02	0	3.16
K-1	54.5	55	0	0	0	0.07	0	0
K-1	55	55.5	0.71	0.01	0.01	0.05	0	0.45
K-1	55.5	56	0	0	0.09	0.01	0	3.99
K-1	56	56.5	0	0	0.02	0.06	0	3.03
K-1	56.5	57	0	0	0	0.49	0	0
K-1	57	57.5	0	0	0	0.1	0	0
K-1	57.5	58	0	0	0	0.04	0	0
K-1	58	58.5	0	0	0	0.24	0	0
K-1	58.5	59	0	0	0	0.03	0	0
K-1	59	59.5	0	0	0	0.23	0	0.05
K-1	59.5	60	0.03	0.01	0.01	0.43	0	0.53
K-1	60	60.5	0	0.06	0	0.22	0	0.02
K-1	60.5	61	0	0	0	0.06	0	0.03
K-1	61	61.5	0	0	0	0.4	0	0
K-1	61.5	62	0	0	0	0.28	0	0.01
K-1	62	62.5	0	0	0	0.54	0	0
K-1	62.5	63	0	0	0	0.1	0	0
K-1	63	63.5	0	0	0	0.08	0	0
K-1	63.5	64	0	0	0	0.05	0	1.21
K-1	64	64.5	0	0	0	0.07	0	0
K-1	64.5	65	0	0	0	0.8	0	0
K-1	65	65.5	0	0	0	0.25	0	0
K-1	65.5	66	0	0	0	0.96	0	0
K-1	66	66.5	0	0	0	0.34	0	0
K-1	66.5	67	0	0	0.01	0.3	0.05	2.34
K-1	67	67.5	0	0	0	0.66	0	0
K-1	67.5	68	0	0	0	0.43	0	0
K-1	68	68.5	0	0	0	0.43	0	0
K-1	68.5	69	0	0	0	0.19	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
K-1	52.5	53	1.89	0.11	13.3	0	0	0.01
K-1	53	53.5	0.52	0	31.27	0	0	0
K-1	53.5	54	1.2	0.41	0.17	0	0	0
K-1	54	54.5	0.34	0.28	13.61	0	0	0
K-1	54.5	55	0.32	0.11	2.86	0	0	0
K-1	55	55.5	1.17	0.08	0.55	0	0	0
K-1	55.5	56	0.2	0	4.95	0.06	0.01	0.01
K-1	56	56.5	1.09	0.35	10.62	0	0	0
K-1	56.5	57	0.21	0	27.29	0	0	0
K-1	57	57.5	0.17	0	62.18	0	0	0.03
K-1	57.5	58	2.77	0.89	43.94	0	0	0
K-1	58	58.5	1.42	0.21	21.68	0	0	0.23
K-1	58.5	59	0.14	0	36.4	0	0	0
K-1	59	59.5	4.33	0.24	13.67	0	0	0.39
K-1	59.5	60	7.9	2.11	35.19	0.01	0	0.75
K-1	60	60.5	12.47	1.86	34.8	0	0	0.04
K-1	60.5	61	13.32	5.13	56.92	0	0	1.16
K-1	61	61.5	0.31	0.03	82.38	0	0	0
K-1	61.5	62	2.9	0.21	53.73	0	0	0.08
K-1	62	62.5	1.38	0	29.75	0	0	0.01
K-1	62.5	63	1.4	0.14	31.35	0	0	0.01
K-1	63	63.5	4.75	2	47.25	0	0	0.01
K-1	63.5	64	0.12	0.51	64.68	0	0	0
K-1	64	64.5	1.06	2.52	12.64	0	0	0.02
K-1	64.5	65	0.35	0.98	45.4	0	0.01	0.01
K-1	65	65.5	0	0	16.24	0	0	0
K-1	65.5	66	6.07	0.24	30.56	0	0	0
K-1	66	66.5	3.44	3.96	20.87	0	0	0
K-1	66.5	67	1.07	0.06	32.41	0	0	0
K-1	67	67.5	0	0	18.3	0	0	0.75
K-1	67.5	68	0.11	0	2.56	0	0	0.06
K-1	68	68.5	2.96	2.36	1.21	0	0	0.01
K-1	68.5	69	1.05	0.03	0.23	0	0	0

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
K-1	52.5	53	0.01	37.28	0.31	0	928.31
K-1	53	53.5	0	48.31	0.71	0	0
K-1	53.5	54	0.01	29.63	0.31	0	936.89
K-1	54	54.5	0	13.28	0.22	0	872.44
K-1	54.5	55	0	6.9	0.02	0	0
K-1	55	55.5	0	0.21	0	0	954.21
K-1	55.5	56	0.07	0.87	0.13	2344.81	0
K-1	56	56.5	0	2.99	0.04	2345.35	0
K-1	56.5	57	0	16.38	0.28	0	0
K-1	57	57.5	0	49.47	0.83	0	0
K-1	57.5	58	0	37.63	1.62	0	0
K-1	58	58.5	0	28.76	0.26	2345.77	0
K-1	58.5	59	0	25.02	0.25	2348.24	0
K-1	59	59.5	0.02	8.39	0.02	2343.72	0
K-1	59.5	60	0.16	25.29	0.68	2345.15	932.07
K-1	60	60.5	0.01	47.78	2.82	2347	898.71
K-1	60.5	61	2.8	18.04	0.44	2345.09	0
K-1	61	61.5	0	77.69	8.92	0	0
K-1	61.5	62	0.55	52.29	4.74	2345.89	0
K-1	62	62.5	0	69.06	6.46	2345.23	0
K-1	62.5	63	0	56.64	1.29	0	0
K-1	63	63.5	0	43.95	1.98	2345.52	0
K-1	63.5	64	0.11	12.28	0.01	2341.45	0
K-1	64	64.5	0	13.92	0.06	2342.65	0
K-1	64.5	65	0.02	43.24	0.12	2345.84	0
K-1	65	65.5	0	27.11	0.14	2347.65	0
K-1	65.5	66	0	53.78	1.11	2346.8	0
K-1	66	66.5	0	42.37	0.31	2346.8	0
K-1	66.5	67	0	32.47	0.23	2346.41	0
K-1	67	67.5	0.39	42.87	0.21	2343.81	0
K-1	67.5	68	0	54.82	0.01	2339.82	0
K-1	68	68.5	0	55.39	0.26	2346.6	0
K-1	68.5	69	0	14.4	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
K-1	52.5	53	0.99809	0.4	2206.34	0.17	2.38
K-1	53	53.5	0.99734	0.41	2205.96	0.07	1.91
K-1	53.5	54	0.99773	0.39	2205.8	0.17	2.33
K-1	54	54.5	0.99902	0.39	2205.71	0.21	2.4
K-1	54.5	55	0.99827	0.36	2205.65	0.19	2.04
K-1	55	55.5	0.99759	0.24	2206.56	0	8.33
K-1	55.5	56	0.9985	1.07	2206.73	0	0.74
K-1	56	56.5	0.99734	0.41	2206.92	0	0.69
K-1	56.5	57	0.99867	0.39	2207.06	0	0.25
K-1	57	57.5	1.00057	0.45	2205.58	0.25	2.69
K-1	57.5	58	0.99685	0.46	2205.55	0.15	2
K-1	58	58.5	0.99724	0.42	2205.34	0.36	4.47
K-1	58.5	59	0.99648	0.4	2206.03	0.06	3.03
K-1	59	59.5	0.99959	0.38	2207	0.48	3.14
K-1	59.5	60	0.99829	0.43	2206.93	0.37	2.35
K-1	60	60.5	0.99701	0.52	2206.46	0.33	2.66
K-1	60.5	61	0.99668	0.43	2205.59	0.16	4.04
K-1	61	61.5	0.99708	0.65	2205.08	0.07	1.15
K-1	61.5	62	0.99684	0.52	2205.45	0.25	2.18
K-1	62	62.5	0.99593	0.58	2205.16	0.17	2.22
K-1	62.5	63	0.9982	0.45	2206.23	0.11	1.89
K-1	63	63.5	0.99809	0.45	2206.33	0.05	1.42
K-1	63.5	64	0.99873	0.38	2206.77	0.05	2.19
K-1	64	64.5	0.99817	0.37	2206.74	0.54	3.41
K-1	64.5	65	0.99813	0.43	2206.61	0.11	1.24
K-1	65	65.5	0.99859	0.41	2206.65	0.02	1.18
K-1	65.5	66	0.99818	0.6	2205.59	0.13	1.6
K-1	66	66.5	0.99771	0.44	2206.24	0.25	2.43
K-1	66.5	67	0.9971	0.41	2206.16	0.37	4.05
K-1	67	67.5	0.99805	0.42	2207.31	0.34	1.6
K-1	67.5	68	0.99731	0.41	2206.93	0.14	1.19
K-1	68	68.5	0.9977	0.46	2206.83	0.07	1.26
K-1	68.5	69	0.99912	0.36	2207.79	0.12	0.91

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
K-1	52.5	53	70.03	26.91	0.51	2257.05	0.08	1.51
K-1	53	53.5	79.41	18.44	0.18	2256.49	0	1.05
K-1	53.5	54	80.9	16.49	0.11	2256.12	0	0.79
K-1	54	54.5	83.64	13.71	0.04	2256	0	0.7
K-1	54.5	55	82.15	15.45	0.19	2255.99	0	0.53
K-1	55	55.5	58.33	25	8.33	2257.02	0	3.85
K-1	55.5	56	86.03	13.24	0	2254.68	0	0.42
K-1	56	56.5	70.21	29.1	0	2256.14	0	0.7
K-1	56.5	57	67.81	31.68	0.25	2256.17	0.06	1.02
K-1	57	57.5	82.7	14.26	0.1	2256.14	0	1.4
K-1	57.5	58	87.69	9.89	0.27	2255.78	0.02	0.88
K-1	58	58.5	79.33	15.58	0.25	2256.12	0.12	2.44
K-1	58.5	59	73.23	23.51	0.17	2256.35	0.02	1.61
K-1	59	59.5	57.71	38.29	0.38	2255.59	0.02	1.89
K-1	59.5	60	61.64	35.05	0.59	2255.6	0.03	1.55
K-1	60	60.5	70.57	25.96	0.48	2255.75	0	1.91
K-1	60.5	61	77.75	17.97	0.08	2255.65	0	1.57
K-1	61	61.5	95.68	3.05	0.05	2255	0.07	4.47
K-1	61.5	62	87.76	9.64	0.16	2254.69	0.13	4.61
K-1	62	62.5	89.56	7.99	0.05	2255.36	0.06	4.59
K-1	62.5	63	75.27	22.53	0.2	2255.72	0	2.45
K-1	63	63.5	77	21.45	0.08	2255.47	0	2.35
K-1	63.5	64	67.84	29.73	0.19	2255.57	0.03	2.29
K-1	64	64.5	59.3	36.11	0.65	2255.79	0.02	3.62
K-1	64.5	65	74	24.53	0.11	2257.44	0	1.78
K-1	65	65.5	73.46	25.28	0.06	2257.16	0.05	1.23
K-1	65.5	66	85.27	12.72	0.28	2257.31	0.09	2.41
K-1	66	66.5	73.54	23.39	0.39	2257.21	0.08	2.02
K-1	66.5	67	69.29	25.86	0.42	2256.33	0.04	2.52
K-1	67	67.5	59.47	38.1	0.5	2257.65	0.09	1.57
K-1	67.5	68	67.43	30.98	0.26	2258.87	0	0
K-1	68	68.5	70.09	28.27	0.31	2258.36	0	0.71
K-1	68.5	69	50.93	47.76	0.28	2258.26	0	1.01

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
K-1	52.5	53	47.72	50.68
K-1	53	53.5	58.59	40.36
K-1	53.5	54	66.33	32.88
K-1	54	54.5	70.7	28.61
K-1	54.5	55	69.57	29.89
K-1	55	55.5	50	46.15
K-1	55.5	56	92.87	6.71
K-1	56	56.5	66.21	33.09
K-1	56.5	57	64.38	34.55
K-1	57	57.5	64.77	33.83
K-1	57.5	58	76.07	23.04
K-1	58	58.5	60.68	36.76
K-1	58.5	59	58.75	39.62
K-1	59	59.5	72.94	25.16
K-1	59.5	60	73.57	24.86
K-1	60	60.5	68.64	29.45
K-1	60.5	61	72.34	26.09
K-1	61	61.5	75.32	20.14
K-1	61.5	62	81.6	13.66
K-1	62	62.5	70.22	25.13
K-1	62.5	63	66.93	30.62
K-1	63	63.5	72.63	25.03
K-1	63.5	64	70.21	27.46
K-1	64	64.5	63	33.35
K-1	64.5	65	40.35	57.87
K-1	65	65.5	46.6	52.11
K-1	65.5	66	41.89	55.6
K-1	66	66.5	44.41	53.49
K-1	66.5	67	55.84	41.6
K-1	67	67.5	37.53	60.81
K-1	67.5	68	24.97	75.03
K-1	68	68.5	28.83	70.46
K-1	68.5	69	31.31	67.68

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
K-1	69	69.5	17713	0.11	2.77	0	0.12	90.22	8.3
K-1	69.5	70	14033	0	3.19	0	0.15	78.89	40.35
K-1	70	70.5	12462	0.05	0	0	0	97.62	16.04
K-1	70.5	71	14340	0.06	0.82	0	0.1	91.56	18.94
K-1	71	71.5	14405	0	0.44	0	0	93.5	21.39
K-1	71.5	72	13845	0	0.23	0	0.05	89.78	23.37
K-1	72	72.5	10739	0	0.03	0	0.03	91.38	18.5
K-1	72.5	73	15223	0.71	5.37	0	1.32	73.67	10.31
K-1	73	73.5	14845	0.28	0.46	0.05	0.88	87.72	5.27
K-1	73.5	74	15083	1.92	1.25	0	0	80.59	11.44
K-1	74	74.5	11007	2.96	7.61	0	0	63.07	24.3
K-1	74.5	75	14836	0	0	0	0	99.94	18.26
K-1	75	75.5	14552	0	0	0	0	99.04	18.11
K-1	75.5	76	13245	0.22	2.47	0.02	0.63	79.14	14.19
K-1	76	76.5	8178	1.47	0.35	0.21	0.92	77.55	12.58
K-1	76.5	77	12553	1.08	0.13	0.01	0.02	89.79	4.99
K-1	77	77.5	13315	0.07	0.17	0.55	0.4	92.59	2.41
K-1	77.5	78	14064	0.04	0.07	0	0	96.18	12.13
K-1	78	78.5	11411	0.09	0.03	0	0.22	95.13	13.59
K-1	78.5	79	7463	1.89	0.15	0	0	92.54	1.88
K-1	79	79.5	13510	1.09	0.06	0	0.36	90.77	4.63
K-1	79.5	80	13507	0.06	0	0.01	0	99.1	1.25
K-1	80	80.5	12787	2.13	5.29	0.01	2.53	66.4	6.37
K-1	80.5	81	10382	0.01	0.01	0.11	2	93.06	0.59
K-1	81	81.5	9225	3.72	3.86	0	1.26	72.63	0.05
K-1	81.5	82	13009	0	0	0	0	99.09	1.46
K-1	82	82.5	13185	0	0	0	0	99.7	6.12
K-1	82.5	83	6397	0	0	0	0	99.92	16.49
K-1	83	83.5	13523	0.01	0.67	0	0	96.07	0.56
K-1	83.5	84	15645	0.14	1.89	0	0	92.87	1.43
K-1	84	84.5	12865	0.01	0.05	0.01	0.01	96.79	0.26
K-1	84.5	85	9151	0.48	0.33	0.01	0.35	84.56	6.82
K-1	85	85.5	15825	0	0.01	0	0	98.54	0.85

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
K-1	69	69.5	0	0	0	0.68	0	0
K-1	69.5	70	0	0	0	0.32	0	0
K-1	70	70.5	0	0	0	0.11	0	0
K-1	70.5	71	0	0	0	0.11	0	0
K-1	71	71.5	0	0	0	0.26	0	0
K-1	71.5	72	0	0	0	0.08	0	0
K-1	72	72.5	0	0	0	0.11	0	0
K-1	72.5	73	0	0	0	0.09	0	0.24
K-1	73	73.5	0	0	0	0.02	0	1.41
K-1	73.5	74	0	0	0	0.02	0	0
K-1	74	74.5	0	0	0	0.01	0	0
K-1	74.5	75	0	0	0	0.09	0	0
K-1	75	75.5	0	0	0	0.04	0	0
K-1	75.5	76	0	0	0.03	0.01	0	0.61
K-1	76	76.5	0	0	0	0	0	3.89
K-1	76.5	77	0	0	0.08	0	0.06	8.37
K-1	77	77.5	0	0	0.01	0.03	0	0.26
K-1	77.5	78	0	0	0	0.04	0	0.04
K-1	78	78.5	0	0	0	0.04	0	0.05
K-1	78.5	79	0	0	0	0.15	0	0
K-1	79	79.5	0	0	0.02	0.24	0	3.64
K-1	79.5	80	0	0	0	0.25	0	0.41
K-1	80	80.5	0	0	0.04	0.58	0	12.71
K-1	80.5	81	0	0	0	0.51	0.17	3.98
K-1	81	81.5	0	0	0	0.78	0	0.01
K-1	81.5	82	0	0	0	0.34	0	0
K-1	82	82.5	0	0	0	0.11	0	0
K-1	82.5	83	0	0	0	0.13	0	0
K-1	83	83.5	0	0	0	0.27	0	0
K-1	83.5	84	0	0	0	0.15	0	0
K-1	84	84.5	0	0	0	0.05	0	0
K-1	84.5	85	0	0	0.04	0.04	0.09	8.57
K-1	85	85.5	0	0	0	0.09	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
K-1	69	69.5	0.59	0.58	2.98	0	0	0
K-1	69.5	70	2.49	0.21	6.29	0	0	0
K-1	70	70.5	0.55	1.1	0	0	0	0
K-1	70.5	71	0.96	0.1	1.81	0	0	0.04
K-1	71	71.5	0.65	0.51	0.46	0	0	0
K-1	71.5	72	3.24	1.07	0.61	0	0	0
K-1	72	72.5	0.25	0	0.38	0	0	0
K-1	72.5	73	1.96	1.66	8.8	0	0	0.05
K-1	73	73.5	0.24	0.18	4.99	0	0	0.04
K-1	73.5	74	0.43	2.9	3.16	2	0	0
K-1	74	74.5	4.1	5.91	13.64	2.48	0	0
K-1	74.5	75	0.02	0	0	0	0	0
K-1	75	75.5	0	0	0	0	0	0
K-1	75.5	76	2.94	0.74	6.27	0	0	0
K-1	76	76.5	0.31	1.06	7.72	0	0	0
K-1	76.5	77	0.11	0.55	1.47	0	0	0
K-1	77	77.5	0.18	0.55	1.91	0	0	0
K-1	77.5	78	0	0	0.82	0	0	0
K-1	78	78.5	0.05	0	0.41	0	0	0
K-1	78.5	79	0.51	1.61	0.47	0.04	0	0
K-1	79	79.5	0.7	0.04	2.09	0.16	0	0.01
K-1	79.5	80	0.27	0	0.01	0	0	0
K-1	80	80.5	0.03	0	15.16	0	0	0.09
K-1	80.5	81	0.66	0.09	1.44	0	0	0
K-1	81	81.5	0.12	0	9.31	0	0	0
K-1	81.5	82	0.07	0	0	0	0	0
K-1	82	82.5	0	0	0	0	0	0
K-1	82.5	83	0	0	0	0	0	0
K-1	83	83.5	0.81	0.24	0.68	0	0	0.01
K-1	83.5	84	0.19	1.49	2.1	0	0	0
K-1	84	84.5	1.74	0	0.12	0	0	0
K-1	84.5	85	0.36	0.49	4.92	0	0	0
K-1	85	85.5	0.01	0	0.04	0	0	0

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
K-1	69	69.5	0	24.23	0.08	2342.67	0
K-1	69.5	70	0	38.02	0.15	2344.76	0
K-1	70	70.5	0	22.31	0	0	0
K-1	70.5	71	0	33.52	0.11	2340.47	0
K-1	71	71.5	0	33.41	0.07	0	0
K-1	71.5	72	0	12.24	0.01	2345.14	0
K-1	72	72.5	0	6.84	0	2346.86	0
K-1	72.5	73	0	2.17	0.03	2343.05	0
K-1	73	73.5	0	1.39	0	2343.56	0
K-1	73.5	74	0	1.93	0	0	0
K-1	74	74.5	0	4.42	0	0	0
K-1	74.5	75	0	6.36	0	0	0
K-1	75	75.5	0	3.37	0	0	0
K-1	75.5	76	0	1.89	0	2336.61	0
K-1	76	76.5	0	6.05	0.02	2334.2	0
K-1	76.5	77	0	0.1	0	0	0
K-1	77	77.5	0	0.55	0.01	2331.12	0
K-1	77.5	78	0	0.51	0	0	0
K-1	78	78.5	0	0.76	0	2333.98	0
K-1	78.5	79	0	1.49	0	0	0
K-1	79	79.5	0.01	1.25	0	2346.67	0
K-1	79.5	80	0	1.61	0	2348.09	0
K-1	80	80.5	0	7.6	0.02	2343.81	0
K-1	80.5	81	0	9.3	0	2331.1	0
K-1	81	81.5	0.15	7.85	0.01	2344.15	0
K-1	81.5	82	0	4.14	0	0	0
K-1	82	82.5	0	1.12	0	0	0
K-1	82.5	83	0	1.17	0	0	0
K-1	83	83.5	0	0.92	0.01	0	0
K-1	83.5	84	0	1.05	0	0	0
K-1	84	84.5	0	0.15	0	2340.19	0
K-1	84.5	85	0	0.08	0	2344.71	0
K-1	85	85.5	0	0.92	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
K-1	69	69.5	0.9985	0.38	2207.66	0.02	1.84
K-1	69.5	70	0.99806	0.41	2207.03	0.08	1.13
K-1	70	70.5	0.99646	0.34	2206.38	0.25	2.64
K-1	70.5	71	0.99735	0.37	2205.82	0.42	3.84
K-1	71	71.5	0.99832	0.35	2205.63	0.69	5.08
K-1	71.5	72	0.99742	0.34	2206.17	1.03	5.29
K-1	72	72.5	0.99893	0.32	2206.53	0.57	4.11
K-1	72.5	73	1.00006	0.43	2205.47	2.46	6.69
K-1	73	73.5	0.99711	0.46	2204.83	1.55	2.59
K-1	73.5	74	0.99862	0.31	2205.35	0.81	8.94
K-1	74	74.5	0.99728	0.29	2204.6	5	9.55
K-1	74.5	75	0.99794	0.28	2205.72	1.1	8.17
K-1	75	75.5	0.99812	0.25	2206.05	3.69	8.24
K-1	75.5	76	0.99936	0.34	2204.1	5.05	15.15
K-1	76	76.5	0	0.46	2204.13	2.12	7.64
K-1	76.5	77	0	0.65	2202.64	0	14.29
K-1	77	77.5	0.99856	0.52	2206.42	0	1.52
K-1	77.5	78	0.99891	0.29	2207.53	0	7.5
K-1	78	78.5	0.99909	0.32	2205.16	6.06	10.61
K-1	78.5	79	0.99678	0.31	2205.8	1.03	6.19
K-1	79	79.5	0.99865	0.25	2207.55	5.94	8.91
K-1	79.5	80	0.99862	0.23	2208.13	0	4.58
K-1	80	80.5	0.99791	0.33	2206.55	0.96	4.61
K-1	80.5	81	0.9977	0.28	2207.51	0.44	2.55
K-1	81	81.5	0.99806	0.4	2206.55	0.7	5.59
K-1	81.5	82	0.99833	0.3	2208.25	0	2.33
K-1	82	82.5	0.99842	0.22	2207.32	4.76	5.95
K-1	82.5	83	0.99876	0.26	2207.93	0	0
K-1	83	83.5	1.00165	0.34	2208.16	0.93	0.93
K-1	83.5	84	0.99963	0.31	2207.59	2.86	7.14
K-1	84	84.5	0.99815	0.21	2210.98	0	0
K-1	84.5	85	0.99947	0.24	2209.27	0	0
K-1	85	85.5	0.99933	0.31	2206.5	3.08	4.62

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
K-1	69	69.5	51.75	46.06	0.33	2257.99	0	1.42
K-1	69.5	70	64.47	34.17	0.15	2257.99	0	0.99
K-1	70	70.5	68.68	28.36	0.07	2257.62	0	1.46
K-1	70.5	71	74.59	21.01	0.15	2257.25	0	1.48
K-1	71	71.5	71.54	22.62	0.08	2257.41	0	1.2
K-1	71.5	72	61.76	30.88	1.03	2257.43	0.03	1.66
K-1	72	72.5	62.27	31.49	1.56	2256.81	0.11	3.47
K-1	72.5	73	65.14	25.7	0	2255.61	0	5.56
K-1	73	73.5	81.87	13.47	0.52	2255.83	0.14	4.92
K-1	73.5	74	65.45	24.39	0.41	2256.38	0	3.19
K-1	74	74.5	60.23	25	0.23	2256.99	0.04	2.87
K-1	74.5	75	60.12	29.76	0.85	2258.38	0	1.65
K-1	75	75.5	48.86	38.35	0.85	2258.42	0.04	2
K-1	75.5	76	63.64	15.15	1.01	2256.81	0	2.58
K-1	76	76.5	80.89	9.13	0.21	2255.66	0	2.45
K-1	76.5	77	78.57	7.14	0	2254.86	0	1.81
K-1	77	77.5	78.79	19.7	0	2255.96	0	1.99
K-1	77.5	78	47.5	42.5	2.5	2256.15	0.25	3.73
K-1	78	78.5	46.97	34.85	1.52	2255.72	0.27	3.27
K-1	78.5	79	70.1	21.65	1.03	2254.22	0	3.73
K-1	79	79.5	28.71	54.46	1.98	2254.71	0	1.14
K-1	79.5	80	39.22	55.56	0.65	2255.63	0.64	1.92
K-1	80	80.5	61.41	31.94	1.07	2254.71	0	1.49
K-1	80.5	81	51.94	44.17	0.89	2258.08	0	0
K-1	81	81.5	60.14	32.73	0.84	2257.02	0	0
K-1	81.5	82	42.28	53.49	1.9	2256.23	0	4.19
K-1	82	82.5	39.29	48.81	1.19	2256.23	0	1.55
K-1	82.5	83	44.83	55.17	0	2256.23	0	1.15
K-1	83	83.5	41.12	56.07	0.93	2255.41	0	8.57
K-1	83.5	84	35	54.29	0.71	2257.01	1.11	5
K-1	84	84.5	22.22	77.78	0	2257.99	0	3.45
K-1	84.5	85	33.33	66.67	0	2254.59	0	1.47
K-1	85	85.5	57.69	33.08	1.54	2257.02	0.83	4.13

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
K-1	69	69.5	35.1	63.48
K-1	69.5	70	33.68	65.34
K-1	70	70.5	39.83	58.71
K-1	70.5	71	46.5	52.02
K-1	71	71.5	42.04	56.76
K-1	71.5	72	41.6	56.7
K-1	72	72.5	46.83	49.59
K-1	72.5	73	61.85	32.59
K-1	73	73.5	59.23	35.7
K-1	73.5	74	53.07	43.74
K-1	74	74.5	46.27	50.82
K-1	74.5	75	31.2	67.15
K-1	75	75.5	28.8	69.16
K-1	75.5	76	50.8	46.61
K-1	76	76.5	74.06	23.49
K-1	76.5	77	92.61	5.58
K-1	77	77.5	67.88	30.13
K-1	77.5	78	55.47	40.56
K-1	78	78.5	65.71	30.75
K-1	78.5	79	84.33	11.94
K-1	79	79.5	88.89	9.97
K-1	79.5	80	62.82	34.62
K-1	80	80.5	86.51	12
K-1	80.5	81	33.93	66.07
K-1	81	81.5	33.33	66.67
K-1	81.5	82	47.9	47.9
K-1	82	82.5	58.27	40.18
K-1	82.5	83	60.15	38.69
K-1	83	83.5	58.57	32.86
K-1	83.5	84	41.11	52.78
K-1	84	84.5	34.48	62.07
K-1	84.5	85	86.76	11.76
K-1	85	85.5	42.98	52.07

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
K-1	85.5	86	16138	0.01	1.04	0	0.01	91.45	3.63
K-1	86	86.5	9027	0.66	0.33	0.01	0.94	91.33	2.08
K-1	86.5	87	18223	1.09	0.46	0.01	0.06	90.11	5.47
K-1	87	87.5	19072	0.19	3.11	0.01	0	90.63	1.18
K-1	87.5	88	8072	0.81	7.23	0	0.01	66.92	4.26
K-1	88	88.5	14810	0.51	2.67	0	0	88.95	3.79
K-1	88.5	89	16128	1.25	1.54	0	2.15	69.72	3.22
K-1	89	89.5	15331	0.33	1.24	0.1	1.47	79.61	5.71
K-1	89.5	90	5858	3.07	3.29	0	1.13	73.93	5.07
K-1	90	90.5	15417	0.54	2.65	0	5.16	69.13	13.13
K-1	90.5	91	17263	0.03	8.52	0	0.1	64.2	21.97
K-1	91	91.5	14495	0.87	3.82	0	1.88	62.46	20.21
K-1	91.5	92	16961	1.68	7.06	0.12	1.26	60.07	17.6
K-1	92	92.5	18348	0.05	1.36	0	0	90.06	0.81
K-1	92.5	93	10065	0.02	2.35	0	0	92.24	0.18
K-1	93	93.5	10482	0.01	10.21	0.34	1.25	33.95	42.91
K-1	93.5	94	14255	0.1	8.07	0	0.02	70.71	26.12
K-1	94	94.5	14282	0.17	0.11	0	0	97.44	7.44
K-1	94.5	95	11975	0	0	0	0	99.72	4.28
K-1	95	95.5	13658	0.04	0	0	0	99	2.23
K-1	95.5	96	15633	0.01	0	0	0	98.57	0.56
K-1	96	96.5	14054	0.01	0.1	0	0	95.79	2.16
K-1	96.5	97	10803	0.52	0.57	0	0	90.19	2.02
K-1	97	97.5	13485	0.02	1.39	0.01	0	90.97	0.48
K-1	97.5	98	14955	0.09	0.05	0	0	97.81	0
K-1	98	98.5	14940	0	0.07	0.02	0	96.99	1.74
K-1	98.5	99	8436	0	0.21	0.01	0	97.49	1.46
K-1	99	99.5	12681	0.4	1.1	0.02	0.24	87.61	1.24
K-1	99.5	100	14286	0.7	1.67	0.04	0.15	93.39	0.14
K-1	100	100.5	14747	0	0.01	0.01	0	99.22	0.27
K-1	100.5	101	11581	0.06	0.17	0	0	98.53	0.44
K-1	101	101.5	12193	0	0.1	0.01	0	97.66	0.76
K-1	101.5	102	13854	0.45	1.44	0.01	0.02	76.89	0.31

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
K-1	85.5	86	0	0	0	0	0	0.17
K-1	86	86.5	0	0	0	0.02	0	0
K-1	86.5	87	0	0	0	0.09	0	0
K-1	87	87.5	0	0	0	0.01	0	0
K-1	87.5	88	0	0	0	0.05	0	0
K-1	88	88.5	0	0	0	0.03	0	0
K-1	88.5	89	0	0.02	0.09	0.32	0.22	4.9
K-1	89	89.5	0	0	0.01	0.74	0	1.35
K-1	89.5	90	0	0	0	0.03	0	0
K-1	90	90.5	0	0	0.01	0.42	0.03	5.16
K-1	90.5	91	0	0	0.01	1.4	0	0.05
K-1	91	91.5	0	0	0	0.16	0	0.29
K-1	91.5	92	0	0	0	0.09	0	2.14
K-1	92	92.5	0	0	0	0.01	0	0
K-1	92.5	93	0	0	0	0.01	0	0
K-1	93	93.5	0	0	0.09	0.07	10.08	24.59
K-1	93.5	94	0	0	0	0.18	0	0
K-1	94	94.5	0	0	0	0.24	0	0
K-1	94.5	95	0	0	0	0.14	0	0
K-1	95	95.5	0	0	0	0.18	0	0
K-1	95.5	96	0	0	0	0.13	0	0
K-1	96	96.5	0	0	0	0.04	0	0
K-1	96.5	97	0	0	0	0.02	0	0
K-1	97	97.5	0	0	0	0.01	0	0
K-1	97.5	98	0	0	0	0.01	0	0
K-1	98	98.5	0	0	0	0.03	0	0
K-1	98.5	99	0	0	0	0.02	0	0
K-1	99	99.5	0	0	0	0.04	0	0
K-1	99.5	100	0	0	0	0	0	0
K-1	100	100.5	0	0	0	0	0	0
K-1	100.5	101	0	0	0	0.03	0	0
K-1	101	101.5	0	0	0	0.02	0	0
K-1	101.5	102	0	0	0	0	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
K-1	85.5	86	0.31	1.48	2.7	0	0	0
K-1	86	86.5	0.86	1.71	1.04	0	0	0.02
K-1	86.5	87	0.02	1.78	0.98	0	0	0.02
K-1	87	87.5	0.7	2.55	3.11	0	0	0
K-1	87.5	88	5.85	5.35	10.64	0	0	0.05
K-1	88	88.5	0	1.88	4.43	0	0	0
K-1	88.5	89	2.01	7.17	9.08	0.05	0.01	0.17
K-1	89	89.5	4.51	3.11	6.41	0	0	0.03
K-1	89.5	90	1.09	4.8	7.05	0	0	0
K-1	90	90.5	0.1	0.73	13.26	0	0	0.32
K-1	90.5	91	0.75	0	22.56	0	0	0.4
K-1	91	91.5	2.78	1.55	17.05	0	0	0.01
K-1	91.5	92	1.49	4.72	17.25	0	0	0.02
K-1	92	92.5	0.09	3.13	1.62	0	0	0
K-1	92.5	93	0.15	0.33	2.35	0	0	0
K-1	93	93.5	0	0	34.63	0	0	0.24
K-1	93.5	94	0.67	0.57	16.7	0	0	0.24
K-1	94	94.5	1.69	0.04	0.22	0	0	0.06
K-1	94.5	95	0.18	0	0	0	0	0
K-1	95	95.5	0.51	0.1	0	0	0	0
K-1	95.5	96	0.53	0.5	0	0	0	0
K-1	96	96.5	2.46	1.21	0.15	0	0	0.22
K-1	96.5	97	1.82	4.05	0.64	0	0	0
K-1	97	97.5	0.02	1.55	1.54	0	0	0
K-1	97.5	98	0.26	1	0.05	0	0	0
K-1	98	98.5	0	0	0.61	0	0	0
K-1	98.5	99	0.13	0	0.28	0	0	0
K-1	99	99.5	0.64	6.74	1.57	0	0	0
K-1	99.5	100	0.17	1.67	1.69	0	0	0
K-1	100	100.5	0	0.01	0.01	0	0	0
K-1	100.5	101	0.03	0	0.22	0	0	0
K-1	101	101.5	0.25	1.1	0.1	0	0	0
K-1	101.5	102	5.1	11.73	2.01	0	0	0

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
K-1	85.5	86	0	0.29	0	2344.82	0
K-1	86	86.5	0.01	0.38	0	2346.85	0
K-1	86.5	87	0	1.04	0.01	2341.21	0
K-1	87	87.5	0	0.2	0	2347.81	0
K-1	87.5	88	0	0.74	0	2346.58	0
K-1	88	88.5	0	1.55	0	0	0
K-1	88.5	89	0	2.89	0.01	2341.78	883.56
K-1	89	89.5	0	2.45	0.19	2339.1	0
K-1	89.5	90	0.36	3.99	0.03	2344.52	0
K-1	90	90.5	0.12	19.08	0.09	2339.12	0
K-1	90.5	91	0	34.99	0.26	2343.87	0
K-1	91	91.5	0.1	17.41	0.47	2343.71	0
K-1	91.5	92	0.01	7.29	0.24	2339.83	0
K-1	92	92.5	0	0.1	0	0	0
K-1	92.5	93	0	0.07	0	0	0
K-1	93	93.5	0	12.03	0.15	2340.5	0
K-1	93.5	94	0	7.93	0.01	2350	0
K-1	94	94.5	0	6	0	0	0
K-1	94.5	95	0	4.03	0	0	0
K-1	95	95.5	0	5.09	0	0	0
K-1	95.5	96	0	2.32	0	0	0
K-1	96	96.5	0	0.66	0	0	0
K-1	96.5	97	0	0.87	0	0	0
K-1	97	97.5	0	0.15	0	2343.01	0
K-1	97.5	98	0	0.02	0	0	0
K-1	98	98.5	0	0.83	0.01	2340	0
K-1	98.5	99	0	0.85	0	0	0
K-1	99	99.5	0	0.77	0.02	2343.61	0
K-1	99.5	100	0	0.09	0	2343.68	0
K-1	100	100.5	0	0.12	0	2344.42	0
K-1	100.5	101	0	0.14	0	0	0
K-1	101	101.5	0	0.62	0	2343.08	0
K-1	101.5	102	0	0.12	0	2346.56	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
K-1	85.5	86	0	0.29	2206.51	2.56	5.13
K-1	86	86.5	0.9986	0.36	2209.18	4.55	0
K-1	86.5	87	0.99954	0.27	2207.48	5.96	10.6
K-1	87	87.5	0.99855	0.31	2212.21	5	0
K-1	87.5	88	0.99926	0.29	2205.89	4.55	11.36
K-1	88	88.5	0.99821	0.32	2204.93	2.97	11.39
K-1	88.5	89	0.99144	0.63	2204.35	1.08	9.52
K-1	89	89.5	0.99771	0.72	2204.6	4.87	7.74
K-1	89.5	90	0.99851	0.36	2204.13	2.71	9.5
K-1	90	90.5	0.99891	0.42	2203.46	2.73	14.63
K-1	90.5	91	0.99943	0.38	2203.56	1.67	14.73
K-1	91	91.5	0.99994	0.59	2203.58	2.29	12.7
K-1	91.5	92	0.99845	0.48	2203.75	2.35	11.68
K-1	92	92.5	0.99884	0.34	2197.79	33.33	33.33
K-1	92.5	93	0.99855	0.21	2198.42	0	100
K-1	93	93.5	0.99784	0.46	2204.4	0.83	8.17
K-1	93.5	94	0.99909	0.35	2203.94	4.63	16.22
K-1	94	94.5	0.99871	0.29	2204.49	3.96	15.71
K-1	94.5	95	0.99767	0.32	2204.28	4.98	14.71
K-1	95	95.5	0.99866	0.31	2205.21	4.77	13.04
K-1	95.5	96	0.99868	0.3	2206.19	1.76	12.9
K-1	96	96.5	0.99642	0.24	2206.66	7.69	13.85
K-1	96.5	97	0.99675	0.29	2204.53	2.27	20.45
K-1	97	97.5	0.99904	0.27	2207.27	20	0
K-1	97.5	98	0.99961	0	0	0	0
K-1	98	98.5	0.99902	0.33	2204.54	2.83	12.26
K-1	98.5	99	0.99719	0.34	2204.5	12.9	9.68
K-1	99	99.5	1.00164	0.44	2204.09	2.3	13.79
K-1	99.5	100	0	0.22	2204.67	20	0
K-1	100	100.5	0	0.21	2207.92	50	0
K-1	100.5	101	0.99992	0.22	2206.24	8.33	16.67
K-1	101	101.5	0.99679	0.27	2206.38	1.96	9.8
K-1	101.5	102	0	0.26	2206.2	23.08	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
K-1	85.5	86	61.54	30.77	0	2254.98	0	2.59
K-1	86	86.5	36.36	45.45	13.64	2255.14	0	7.95
K-1	86.5	87	27.81	48.34	7.28	2257.93	0.12	2.62
K-1	87	87.5	5	75	15	2258.72	0	2.92
K-1	87.5	88	45.45	38.64	0	2258.97	0	4.46
K-1	88	88.5	56.93	26.73	1.98	2258.93	0	3.79
K-1	88.5	89	79.65	8.87	0.87	2256.51	0.22	3.78
K-1	89	89.5	73.64	13.75	0	2256.83	0	4.74
K-1	89.5	90	71.95	15.84	0	2256.26	0	4.63
K-1	90	90.5	71.27	10.73	0.64	2256.46	0.28	5.37
K-1	90.5	91	73.38	10.02	0.2	2256.74	0	2.84
K-1	91	91.5	76.28	8.33	0.41	2256.14	0	6.24
K-1	91.5	92	73.78	11.85	0.34	2256.06	0.28	2.47
K-1	92	92.5	33.33	0	0	2258.06	0	1.47
K-1	92.5	93	0	0	0	2258.82	0	0
K-1	93	93.5	79.83	10.92	0.25	2256.54	0.07	2.21
K-1	93.5	94	55.24	22.98	0.93	2257.66	0	3.25
K-1	94	94.5	51.98	27.71	0.64	2258.31	0.11	3.61
K-1	94.5	95	55.66	24.43	0.23	2259.36	0	1.62
K-1	95	95.5	51.03	29.57	1.59	2259.92	0	0.44
K-1	95.5	96	43.11	38.12	4.11	2260.81	0	0
K-1	96	96.5	30.77	40	7.69	2258.02	0.39	3.89
K-1	96.5	97	48.86	28.41	0	2259.46	0	1.02
K-1	97	97.5	26.67	53.33	0	2257.02	0	5.45
K-1	97.5	98	0	0	0	0	0	0
K-1	98	98.5	66.04	18.87	0	2256.32	0.47	7.01
K-1	98.5	99	45.16	27.42	4.84	2255.44	0.92	7.34
K-1	99	99.5	65.52	18.39	0	2257.18	0	3.42
K-1	99.5	100	40	40	0	2257.51	0	15.38
K-1	100	100.5	0	25	25	2259.36	3.45	3.45
K-1	100.5	101	33.33	25	16.67	2258.45	0	0
K-1	101	101.5	45.1	37.25	5.88	2259.29	0	4.94
K-1	101.5	102	7.69	69.23	0	2258.04	0	4.88

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
K-1	85.5	86	80.14	17.27
K-1	86	86.5	68.18	23.86
K-1	86.5	87	39.71	57.55
K-1	87	87.5	25.73	71.35
K-1	87.5	88	21.19	74.35
K-1	88	88.5	25.61	70.6
K-1	88.5	89	56.44	39.56
K-1	89	89.5	52.5	42.76
K-1	89.5	90	50.19	45.17
K-1	90	90.5	48.36	45.98
K-1	90.5	91	50.39	46.77
K-1	91	91.5	50.74	43.02
K-1	91.5	92	60.42	36.83
K-1	92	92.5	36.03	62.5
K-1	92.5	93	28.57	71.43
K-1	93	93.5	52.32	45.4
K-1	93.5	94	36.72	60.03
K-1	94	94.5	29.83	66.45
K-1	94.5	95	20.88	77.49
K-1	95	95.5	22.22	77.33
K-1	95.5	96	14.52	85.48
K-1	96	96.5	31.52	64.2
K-1	96.5	97	18.27	80.71
K-1	97	97.5	45.45	49.09
K-1	97.5	98	0	0
K-1	98	98.5	43.93	48.6
K-1	98.5	99	56.88	34.86
K-1	99	99.5	45.89	50.68
K-1	99.5	100	7.69	76.92
K-1	100	100.5	13.79	79.31
K-1	100.5	101	29.17	70.83
K-1	101	101.5	22.22	72.84
K-1	101.5	102	19.51	75.61

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
K-1	102	102.5	14153	0.04	0.82	0.05	0.04	88.4	0.24
K-1	102.5	103	1794	0	0	0	0	99.44	1.62
K-1	103	103.5	12915	0	0	0.01	0	99.83	0.63
K-1	103.5	104	14751	0.27	2.05	0.01	0.35	89.25	1.16
K-1	104	104.5	14396	0.26	0.63	0.13	1.39	87.77	0.9
K-1	104.5	105	8280	0.62	1.62	0.02	2.51	70.99	9.14
K-1	105	105.5	10560	0.34	3	0	7.15	65.79	9.89
K-1	105.5	106	11268	0.27	17.69	0	2.72	49.8	0.59
K-1	106	106.5	11747	0.2	1.8	0	0.13	89.15	0.03
K-1	106.5	107	11625	0.72	8.58	0	0.46	78.62	0.87
K-1	107	107.5	10169	0.16	14.49	0.11	0.32	69.67	0
K-1	107.5	108	7133	2.31	2.92	0.07	3.59	37.08	0.43
K-1	108	108.5	6798	6.69	1.96	0.15	3.46	63.05	0
K-1	108.5	109	6501	1.94	2.43	0	7.57	59.18	0
K-1	109	109.5	7375	4.54	7.81	0	0.77	34.85	1.36
K-1	110	110.5	2848	5.93	5.23	0	1.02	39.89	0
K-1	110.5	111	8001	7.25	8.39	0.01	2.01	34.93	0.85
K-1	111	111.5	7108	3.25	5.71	0	1.03	39.66	0.14
K-1	111.5	112	2714	1.73	11.97	0	0	49.78	0
K-1	112.5	113	3452	12.92	14.31	0	0	9.59	0
K-1	113	113.5	4672	8.22	13.53	0	0	44.78	0
K-1	113.5	114	9607	0.44	56.91	0	0.22	3.74	0
K-1	114	114.5	11156	0.84	25.95	0	0.3	2.32	0
K-1	114.5	115	11582	1.69	13.79	0	0.09	2.85	0
K-1	115	115.5	2777	5.73	11.34	0	0	4.61	0
K-1	115.5	116	12236	2.71	9.94	0	0.02	6.02	0
K-1	116	116.5	9331	0.79	28.29	0	0	5.65	0
K-1	116.5	117	6660	2.34	8.26	0	0	29.08	0
K-1	117	117.5	2117	4.3	25.65	0	0.05	7.56	0
K-1	117.5	118	98	0	2.04	0	0	50	0
K-1	118	118.5	10530	5.01	27.57	0	0	19.67	0
K-1	118.5	119	9528	4.69	17.61	0	0	47.18	0
K-1	119	119.5	8029	11.07	2.24	0	0	51.92	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
K-1	102	102.5	0	0	0	0.01	0	0
K-1	102.5	103	0	0	0	0	0	0
K-1	103	103.5	0	0	0	0.01	0	0
K-1	103.5	104	0	0	0	0.05	0	1.08
K-1	104	104.5	0	0	0.03	0.01	0.6	6.12
K-1	104.5	105	0	0	0.18	0.06	0	12.72
K-1	105	105.5	0	0	0	0	0	6.17
K-1	105.5	106	0	0	0.12	0.03	1.43	13.08
K-1	106	106.5	0	0	0	0.03	0	1.06
K-1	106.5	107	0	0	0	0.02	0	0
K-1	107	107.5	0	0	0	0	0	0.41
K-1	107.5	108	0	1.4	0.52	0.07	0.13	21.38
K-1	108	108.5	0.1	0.38	0.26	0.01	0.01	17.96
K-1	108.5	109	0.02	0.02	0.15	0	0.25	10.12
K-1	109	109.5	0	0.12	0.05	0.04	0	1.21
K-1	110	110.5	0	0	0	0	0	0
K-1	110.5	111	0	0	0	0.05	0	0.11
K-1	111	111.5	0	0	0.01	0.01	0	3.29
K-1	111.5	112	0	0	0	0	0	0
K-1	112.5	113	0	0.64	0.38	0	0	0.06
K-1	113	113.5	0	0	0	0	0	0
K-1	113.5	114	0	0	0	0.05	0	0.12
K-1	114	114.5	0	0	0	0	0.03	0.03
K-1	114.5	115	0	0	0	0	0	0.09
K-1	115	115.5	0	0	1.76	0	1.4	21.82
K-1	115.5	116	0	0	0.23	0	0.02	3.53
K-1	116	116.5	0	0	0.01	0.29	0	1.75
K-1	116.5	117	0	0	0.03	0	0	0
K-1	117	117.5	0.09	0	0	0	0	0
K-1	117.5	118	0	0	0	0	0	0
K-1	118	118.5	0	0	0.04	0	0	1.08
K-1	118.5	119	0	0	0	0	0	0
K-1	119	119.5	0	0.09	0	0	0	0.01

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
K-1	102	102.5	2.94	4.73	1.18	0	0	0
K-1	102.5	103	0.28	0	0	0	0	0
K-1	103	103.5	0	0	0	0	0	0
K-1	103.5	104	0.13	1.28	5.42	0	0	0.03
K-1	104	104.5	1.72	0.8	3.23	0	0	0.05
K-1	104.5	105	1.04	1.8	10.37	0	0	0.79
K-1	105	105.5	1.23	0.59	20.45	0.01	0	2.35
K-1	105.5	106	2.37	2.96	22.94	0	0	0.51
K-1	106	106.5	1.39	0.09	2.44	0	0.01	0.15
K-1	106.5	107	2.55	2.97	10.26	0	0	0.22
K-1	107	107.5	1.27	0.81	17.06	0	0.03	0
K-1	107.5	108	22.02	4.25	16.05	0	0.04	0.13
K-1	108	108.5	1.6	0.46	9.55	0	0.01	0.06
K-1	108.5	109	5.88	4.91	9.97	0	0.2	0.06
K-1	109	109.5	30.81	8.54	13.38	0.12	0.04	0.2
K-1	110	110.5	6.11	6.36	26.37	1.05	0.81	0
K-1	110.5	111	11.01	5.61	27.17	0.04	0.22	1.09
K-1	111	111.5	14.36	16.35	13.27	0.08	0.44	1.55
K-1	111.5	112	7.52	8.36	14	0	0	0
K-1	112.5	113	8.05	25.43	18.8	18.34	0	0.09
K-1	113	113.5	10.34	8.78	15.88	0	0	0.02
K-1	113.5	114	20.14	7.7	63.36	1.8	0	0.75
K-1	114	114.5	53.67	13.6	27.95	0.02	0	0.23
K-1	114.5	115	51.76	27.05	14.33	0	0	0.04
K-1	115	115.5	20.78	13.9	33.63	4.83	0	0.32
K-1	115.5	116	39.06	19.92	26.45	0.74	0.01	0.01
K-1	116	116.5	25.5	8.96	57.37	0.05	0	0.01
K-1	116.5	117	51.31	7.01	13.17	0	0.42	0.69
K-1	117	117.5	49.98	3.26	27.96	0.19	0.33	0.76
K-1	117.5	118	0	4.08	2.04	0	0	0
K-1	118	118.5	8.55	16.15	39.62	1.86	0	0
K-1	118.5	119	5.06	7.3	23.07	1.88	0.01	0.34
K-1	119	119.5	16.7	1.97	8.39	2.17	0	1.3

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
K-1	102	102.5	0	0.11	0	2340.86	0
K-1	102.5	103	0	0.78	0	0	0
K-1	103	103.5	0	0.39	0	2316	0
K-1	103.5	104	0	0.39	0	2339.48	0
K-1	104	104.5	0.06	1.23	0	2340.35	0
K-1	104.5	105	0.05	5.93	0.04	2344.94	0
K-1	105	105.5	0.62	4	0.1	2343.4	0
K-1	105.5	106	0.49	0.75	0.05	2341.34	0
K-1	106	106.5	0	0.55	0	2342.92	0
K-1	106.5	107	0	0.17	0	2344.5	0
K-1	107	107.5	0.08	0	0	2345.26	0
K-1	107.5	108	0.06	1.79	0	2343.43	868.86
K-1	108	108.5	0.32	0.01	0	2338.95	886.8
K-1	108.5	109	0.32	0.09	0	2339.97	915.19
K-1	109	109.5	0.08	1.26	0	2345.88	887.8
K-1	110	110.5	2.18	2.6	0	2350.78	0
K-1	110.5	111	2.92	2.24	0.02	2347.73	0
K-1	111	111.5	0.59	1.72	0.08	2345.7	0
K-1	111.5	112	0	0	0	0	0
K-1	112.5	113	0	0.03	0	0	873.85
K-1	113	113.5	0.06	0	0	0	0
K-1	113.5	114	0.19	0	0	2344.06	0
K-1	114	114.5	0	0	0	2344.11	0
K-1	114.5	115	0.02	0.01	0	2346.02	0
K-1	115	115.5	0	0	0	0	0
K-1	115.5	116	0.02	0	0	0	0
K-1	116	116.5	0	0	0	0	0
K-1	116.5	117	0	0	0	0	0
K-1	117	117.5	0	0	0	2342.94	924
K-1	117.5	118	0	0	0	0	0
K-1	118	118.5	0	0	0	0	0
K-1	118.5	119	0.02	0	0	0	0
K-1	119	119.5	0.09	0	0	0	910.59

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
K-1	102	102.5	0.99789	0.24	2208.38	15.38	0
K-1	102.5	103	0	0.19	2207.03	0	0
K-1	103	103.5	0.99765	0.26	2206.59	2.56	10.26
K-1	103.5	104	0.99923	0.35	2204.88	0	8.47
K-1	104	104.5	1.00198	0.55	2203.68	0.56	7.34
K-1	104.5	105	0.99828	0.39	2203.77	2.28	11.8
K-1	105	105.5	0	0.75	2202.8	0.48	13.49
K-1	105.5	106	0.99774	0.52	2204.16	2.47	6.17
K-1	106	106.5	0.99759	0.4	2208.39	1.52	0
K-1	106.5	107	0.99929	0.33	2202.87	0	11.11
K-1	107	107.5	0	0	0	0	0
K-1	107.5	108	0.99684	0.33	2204.77	4.24	12.71
K-1	108	108.5	0.99843	0	0	0	0
K-1	108.5	109	0	0.17	2212.77	50	0
K-1	109	109.5	1.00474	0.44	2202.74	3.49	31.4
K-1	110	110.5	0	0.37	2201.46	0	35.53
K-1	110.5	111	0.9989	0.41	2203.46	5.36	13.1
K-1	111	111.5	0.9976	0.62	2202.97	1.6	13.6
K-1	111.5	112	0	0	0	0	0
K-1	112.5	113	0	0.38	2207.1	0	0
K-1	113	113.5	0	0	0	0	0
K-1	113.5	114	1.00159	0	0	0	0
K-1	114	114.5	0	0	0	0	0
K-1	114.5	115	0	0.44	2204.07	0	0
K-1	115	115.5	0	0	0	0	0
K-1	115.5	116	0	0	0	0	0
K-1	116	116.5	0.99985	0	0	0	0
K-1	116.5	117	0	0	0	0	0
K-1	117	117.5	0	0	0	0	0
K-1	117.5	118	0	0	0	0	0
K-1	118	118.5	0	0	0	0	0
K-1	118.5	119	0	0	0	0	0
K-1	119	119.5	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
K-1	102	102.5	23.08	53.85	7.69	2261.26	0	0
K-1	102.5	103	75	25	0	2255.55	0	0
K-1	103	103.5	38.46	43.59	5.13	2258.32	0	7.04
K-1	103.5	104	69.49	22.03	0	2255.24	0	1.89
K-1	104	104.5	83.05	9.04	0	2255.8	0	0.79
K-1	104.5	105	73.29	12.63	0	2256.35	0	2.34
K-1	105	105.5	82.89	3.13	0	2254.4	0	0.78
K-1	105.5	106	75.31	16.05	0	2254.68	0	0
K-1	106	106.5	40.91	56.06	1.52	2258.67	0	0
K-1	106.5	107	77.78	11.11	0	2255.31	0	1.98
K-1	107	107.5	0	0	0	0	0	0
K-1	107.5	108	61.02	15.25	6.78	2255.58	0	4.35
K-1	108	108.5	0	0	0	0	0	0
K-1	108.5	109	0	50	0	0	0	0
K-1	109	109.5	52.33	11.63	1.16	2254.14	0	2.06
K-1	110	110.5	55.26	7.89	1.32	0	0	0
K-1	110.5	111	66.67	13.1	1.79	2253.2	0	29.63
K-1	111	111.5	74.4	10.4	0	2255.87	0	0
K-1	111.5	112	0	0	0	0	0	0
K-1	112.5	113	100	0	0	0	0	0
K-1	113	113.5	0	0	0	0	0	0
K-1	113.5	114	0	0	0	0	0	0
K-1	114	114.5	0	0	0	0	0	0
K-1	114.5	115	100	0	0	0	0	0
K-1	115	115.5	0	0	0	0	0	0
K-1	115.5	116	0	0	0	0	0	0
K-1	116	116.5	0	0	0	0	0	0
K-1	116.5	117	0	0	0	0	0	0
K-1	117	117.5	0	0	0	0	0	0
K-1	117.5	118	0	0	0	0	0	0
K-1	118	118.5	0	0	0	0	0	0
K-1	118.5	119	0	0	0	0	0	0
K-1	119	119.5	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
K-1	102	102.5	11.11	88.89
K-1	102.5	103	80	20
K-1	103	103.5	28.17	64.79
K-1	103.5	104	77.99	20.13
K-1	104	104.5	73.02	26.19
K-1	104.5	105	65.47	32.19
K-1	105	105.5	92.5	6.72
K-1	105.5	106	95.38	4.62
K-1	106	106.5	0	100
K-1	106.5	107	78.22	19.8
K-1	107	107.5	0	0
K-1	107.5	108	52.17	43.48
K-1	108	108.5	0	0
K-1	108.5	109	0	0
K-1	109	109.5	89.69	8.25
K-1	110	110.5	0	0
K-1	110.5	111	51.85	18.52
K-1	111	111.5	70	30
K-1	111.5	112	0	0
K-1	112.5	113	0	0
K-1	113	113.5	0	0
K-1	113.5	114	0	0
K-1	114	114.5	0	0
K-1	114.5	115	0	0
K-1	115	115.5	0	0
K-1	115.5	116	0	0
K-1	116	116.5	0	0
K-1	116.5	117	0	0
K-1	117	117.5	0	0
K-1	117.5	118	0	0
K-1	118	118.5	0	0
K-1	118.5	119	0	0
K-1	119	119.5	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
K-1	119.5	120	1104	5.07	25.54	0	0	37.77	0
K-1	120.5	121	6299	1.03	7.6	0	0	70.5	0
K-1	121	121.5	9359	6.46	10.8	0	0.1	8.65	0
K-1	122	122.5	5479	2.41	3.12	0	14.11	0.64	1.81
K-1	122.5	123	13401	14.07	5.89	0	1.87	8.31	0
K-1	123	123.5	11942	12.28	5.59	0	0.16	24.12	0
K-1	123.5	124	6775	0.47	31.79	0	0.03	27.63	0
K-1	124	124.5	7488	0.52	45.5	0	0.01	16.85	0
K-1	124.5	125	9161	1.17	50.69	0	0	19.52	0
K-1	125	125.5	10791	3.35	53.51	0	0.17	12.85	0
K-1	125.5	126	3472	5.67	22.29	0	0	23.88	0
K-1	126	126.5	7864	0.98	57.17	0.14	1.13	14.24	0
K-1	126.5	127	8107	1	58.8	0	0.02	3.27	0
K-1	127	127.5	4691	3.92	79.88	0	0.04	4.5	0
K-1	127.5	128	7772	0.73	59.51	0	0	7.06	0
K-1	128	128.5	11633	6.79	15.28	0	0.74	26.94	0
K-1	128.5	129	2988	9.61	11.78	0.07	3.75	10.54	0
K-1	129	129.5	3928	0.33	10.54	0.03	2.42	29.63	0
K-1	129.5	130	16042	5.04	8.58	0	0.04	13.24	0
K-1	130	130.5	8239	2.04	10.67	0	2.42	26.79	0
K-1	130.5	131	3811	6.64	10.92	0	0	28.73	0
K-1	131	131.5	5333	1.61	59.87	0	0	0.3	0
K-1	131.5	132	8176	0.6	58.84	0	0.05	19.48	0
K-1	132	132.5	6889	1.58	54.07	0	0	6.5	0
K-1	132.5	133	7262	1.45	56.1	0	0	12.61	0
K-1	133	133.5	5387	0.52	60.92	0	0	12.05	0
K-1	133.5	134	7445	0.31	58.11	0	0	13.19	0
K-1	134	134.5	6329	1.07	37.35	0	0	15.47	0
K-1	134.5	135	6457	5.11	53.11	0	0	11.94	0
K-1	135	135.5	4887	1	39.94	0	0.14	34.52	0
K-1	135.5	136	5442	1.18	48.92	0.07	0.24	3.25	0
K-1	136	136.5	7253	1.01	43.04	0	0.44	22.07	0
K-1	136.5	137	5634	0.75	64.94	0	0	7.49	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
K-1	119.5	120	0	0	0	0	0	0
K-1	120.5	121	0	0	0	0	0	0
K-1	121	121.5	0	0.01	1.25	0	0	21.1
K-1	122	122.5	0	0	1.24	0	0.05	70.82
K-1	122.5	123	0	0.23	0.44	0	0	16.96
K-1	123	123.5	0	0.27	0.2	0	0	5.29
K-1	123.5	124	0	0	0.03	0	0	0.01
K-1	124	124.5	0	0	0.03	0	0	0.64
K-1	124.5	125	0	0	0	0	0	0
K-1	125	125.5	0	0	0.07	0	0	3.22
K-1	125.5	126	0	0.09	0	0	0	0
K-1	126	126.5	0	0	0	0	0	0.13
K-1	126.5	127	0	0	0	0	0	0.1
K-1	127	127.5	0	0.36	0.02	0	0	0.19
K-1	127.5	128	0	0	0	0	0	0
K-1	128	128.5	0	0.01	0.12	0.01	0.12	8.73
K-1	128.5	129	0	0.03	0.27	0	0	27.18
K-1	129	129.5	0	0	0.38	0	0.1	58.71
K-1	129.5	130	0	0.06	0	0	0	0.29
K-1	130	130.5	0	1.89	0.1	0	4.78	20.65
K-1	130.5	131	0	0.16	0	0	0	0
K-1	131	131.5	0	0	0	0	0	0
K-1	131.5	132	0	0	0.01	0	0	3.28
K-1	132	132.5	0	0	0	0	0	0
K-1	132.5	133	0	0	0	0	0	0
K-1	133	133.5	0	0	0	0	0	0
K-1	133.5	134	0	0	0	0	0	0
K-1	134	134.5	0	0	0.02	0	0	5.44
K-1	134.5	135	0	0	0	0	0	0.05
K-1	135	135.5	0	0.16	0	0	0	0
K-1	135.5	136	0	0	0	0	0	0
K-1	136	136.5	0	0	0	0	0	0
K-1	136.5	137	0	0	0	0	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
K-1	119.5	120	2.45	0	39.49	1.09	0	0
K-1	120.5	121	12.07	0.51	9.21	0	0	0
K-1	121	121.5	36.24	14.49	17.5	1.88	0	2.13
K-1	122	122.5	9.16	6.04	9.78	1.93	0.02	0.15
K-1	122.5	123	14.49	10.38	28.02	9.69	0.03	0.51
K-1	123	123.5	8.07	10.3	17.44	15.56	0	0.15
K-1	123.5	124	19.19	4.92	38.94	0	0.22	2.04
K-1	124	124.5	2.52	15.91	53.39	0	0	0.09
K-1	124.5	125	1.36	8.01	60.93	0.03	0	0.21
K-1	125	125.5	4.5	4.7	67.56	0	0.16	2.47
K-1	125.5	126	1.96	2.04	50.72	1.53	0	0
K-1	126	126.5	0.66	5.51	69.29	0	0	0
K-1	126.5	127	3.02	6.46	82.56	0	0	0
K-1	127	127.5	5.12	2.96	85.16	0	0.15	0.02
K-1	127.5	128	2.24	11.27	73.34	0	0	0
K-1	128	128.5	5.78	16.11	29.25	0.17	0.02	0.38
K-1	128.5	129	27.04	8.27	26.87	0.27	0.23	0.7
K-1	129	129.5	6.14	1.65	20.49	0	0.23	0
K-1	129.5	130	53.2	5.75	18.35	0.49	0.01	0.21
K-1	130	130.5	16.28	5.57	28.79	0	0.56	0.01
K-1	130.5	131	20.02	7.98	20.41	6.3	0	0
K-1	131	131.5	6.68	12.02	77.7	0.36	0	0
K-1	131.5	132	2.97	7.34	61.73	0	0	0
K-1	132	132.5	3.69	9.84	77.46	0.03	0	0
K-1	132.5	133	8.63	7.11	65.75	0.67	0	0.87
K-1	133	133.5	8.22	3.77	65.73	0	0	0.04
K-1	133.5	134	3.28	2.83	70.97	0	0	0
K-1	134	134.5	5.86	5.06	63.94	0	0	0.58
K-1	134.5	135	1.13	4.65	71.64	1.73	0	0.12
K-1	135	135.5	1.37	6.53	45.59	0	0.02	0
K-1	135.5	136	3.53	20.71	65.49	0.09	0	0.66
K-1	136	136.5	2.1	4.16	58.49	0	0.04	0.04
K-1	136.5	137	1.44	6.34	79.22	0	0	0

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
K-1	119.5	120	0	0	0	0	0
K-1	120.5	121	0	0	0	0	0
K-1	121	121.5	0.01	0	0	2334.82	0
K-1	122	122.5	0.02	0	0	2336.29	0
K-1	122.5	123	0.02	0	0	2335.81	876.13
K-1	123	123.5	0	0	0	2340.37	879.48
K-1	123.5	124	0.1	0	0	0	0
K-1	124	124.5	0	0	0	2344	0
K-1	124.5	125	0	0	0	0	0
K-1	125	125.5	0.04	0	0	2341.3	0
K-1	125.5	126	0	0	0	0	888
K-1	126	126.5	0.01	0	0	2338.04	0
K-1	126.5	127	0.02	0	0	2338.83	0
K-1	127	127.5	0.15	0.02	0	2340	863.07
K-1	127.5	128	0.05	0	0	0	0
K-1	128	128.5	0.06	0.01	0	2341.34	0
K-1	128.5	129	0.17	0	0	2343.58	882.28
K-1	129	129.5	1.32	0	0	2334.92	0
K-1	129.5	130	0.01	0	0	2344.69	878.5
K-1	130	130.5	0.12	0.29	0	2340.16	869.9
K-1	130.5	131	0	0	0	0	854.04
K-1	131	131.5	0	0	0	0	0
K-1	131.5	132	0	0.01	0	2317.39	0
K-1	132	132.5	0	0	0	0	0
K-1	132.5	133	0.01	0	0	0	0
K-1	133	133.5	0	0	0	0	0
K-1	133.5	134	0	0	0	0	0
K-1	134	134.5	0	0	0	0	0
K-1	134.5	135	0	0	0	0	0
K-1	135	135.5	0	0	0	2345.66	884.02
K-1	135.5	136	0.42	0	0	2341.52	0
K-1	136	136.5	0.06	0.01	0	2343.52	0
K-1	136.5	137	0	0	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
K-1	119.5	120	0	0	0	0	0
K-1	120.5	121	0	0	0	0	0
K-1	121	121.5	0	0	0	0	0
K-1	122	122.5	0	0	0	0	0
K-1	122.5	123	0	0	0	0	0
K-1	123	123.5	0	0	0	0	0
K-1	123.5	124	0	0	0	0	0
K-1	124	124.5	0	0	0	0	0
K-1	124.5	125	0	0	0	0	0
K-1	125	125.5	0	0	0	0	0
K-1	125.5	126	0	0	0	0	0
K-1	126	126.5	0	0	0	0	0
K-1	126.5	127	0	0	0	0	0
K-1	127	127.5	0	0	0	0	0
K-1	127.5	128	0	0	0	0	0
K-1	128	128.5	0.99938	0.36	2212.12	0	0
K-1	128.5	129	0	0	0	0	0
K-1	129	129.5	0	0	0	0	0
K-1	129.5	130	0	0	0	0	0
K-1	130	130.5	0	0.32	2208.1	0	0
K-1	130.5	131	0	0	0	0	0
K-1	131	131.5	0	0	0	0	0
K-1	131.5	132	0	0.39	2209.23	0	0
K-1	132	132.5	0	0	0	0	0
K-1	132.5	133	0	0	0	0	0
K-1	133	133.5	0	0	0	0	0
K-1	133.5	134	0	0	0	0	0
K-1	134	134.5	0	0	0	0	0
K-1	134.5	135	0	0	0	0	0
K-1	135	135.5	0	0	0	0	0
K-1	135.5	136	0	0	0	0	0
K-1	136	136.5	0	0.21	2189.07	100	0
K-1	136.5	137	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
K-1	119.5	120	0	0	0	0	0	0
K-1	120.5	121	0	0	0	0	0	0
K-1	121	121.5	0	0	0	0	0	0
K-1	122	122.5	0	0	0	2252.63	0	13.95
K-1	122.5	123	0	0	0	0	0	0
K-1	123	123.5	0	0	0	0	0	0
K-1	123.5	124	0	0	0	0	0	0
K-1	124	124.5	0	0	0	0	0	0
K-1	124.5	125	0	0	0	0	0	0
K-1	125	125.5	0	0	0	0	0	0
K-1	125.5	126	0	0	0	0	0	0
K-1	126	126.5	0	0	0	0	0	0
K-1	126.5	127	0	0	0	0	0	0
K-1	127	127.5	0	0	0	0	0	0
K-1	127.5	128	0	0	0	0	0	0
K-1	128	128.5	0	100	0	0	0	0
K-1	128.5	129	0	0	0	0	0	0
K-1	129	129.5	0	0	0	0	0	0
K-1	129.5	130	0	0	0	0	0	0
K-1	130	130.5	58.33	41.67	0	0	0	0
K-1	130.5	131	0	0	0	0	0	0
K-1	131	131.5	0	0	0	0	0	0
K-1	131.5	132	0	100	0	0	0	0
K-1	132	132.5	0	0	0	0	0	0
K-1	132.5	133	0	0	0	0	0	0
K-1	133	133.5	0	0	0	0	0	0
K-1	133.5	134	0	0	0	0	0	0
K-1	134	134.5	0	0	0	0	0	0
K-1	134.5	135	0	0	0	0	0	0
K-1	135	135.5	0	0	0	0	0	0
K-1	135.5	136	0	0	0	0	0	0
K-1	136	136.5	0	0	0	0	0	0
K-1	136.5	137	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
K-1	119.5	120	0	0
K-1	120.5	121	0	0
K-1	121	121.5	0	0
K-1	122	122.5	82.56	3.49
K-1	122.5	123	0	0
K-1	123	123.5	0	0
K-1	123.5	124	0	0
K-1	124	124.5	0	0
K-1	124.5	125	0	0
K-1	125	125.5	0	0
K-1	125.5	126	0	0
K-1	126	126.5	0	0
K-1	126.5	127	0	0
K-1	127	127.5	0	0
K-1	127.5	128	0	0
K-1	128	128.5	0	0
K-1	128.5	129	0	0
K-1	129	129.5	0	0
K-1	129.5	130	0	0
K-1	130	130.5	0	0
K-1	130.5	131	0	0
K-1	131	131.5	0	0
K-1	131.5	132	0	0
K-1	132	132.5	0	0
K-1	132.5	133	0	0
K-1	133	133.5	0	0
K-1	133.5	134	0	0
K-1	134	134.5	0	0
K-1	134.5	135	0	0
K-1	135	135.5	0	0
K-1	135.5	136	0	0
K-1	136	136.5	0	0
K-1	136.5	137	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
K-1	137	137.5	1788	0.11	18.68	0	0	62.75	0
K-1	137.5	138	6237	3.83	12.68	0	0	55.23	0
K-1	138	138.5	5629	7.16	15.21	0	0	15.28	0
K-1	138.5	139	11178	2.67	31.53	0	0.03	15.15	0
K-1	139	139.5	11633	3.14	7.15	0	0	39.11	0.01
K-1	139.5	140	2763	1.01	54.72	0	0	14.62	0
K-1	140	140.5	7041	5	51.41	0	0	7.02	0
K-1	140.5	141	7776	10.96	12.38	0	0	24.86	0.12
K-1	141	141.5	3401	20.64	5.41	0	0	20.14	0.82
K-1	141.5	142	1312	4.57	0	0	0	79.19	0
K-1	142	142.5	9259	2.67	24.89	0	0.01	35.78	0
K-1	142.5	143	7829	3.27	40.68	0	0.03	10.17	0
K-1	143	143.5	10518	1.45	43.46	0	0	11.41	0
K-1	143.5	144	4405	0.64	14.3	0	0	36.69	0
K-1	144	144.5	7910	1.48	52.38	0	0	9.19	0
K-1	144.5	145	9513	1.77	37.81	0	0	0.45	0
K-1	145	145.5	9537	1.77	12.11	0	0.02	0.21	0
K-1	145.5	146	6488	10.76	20.11	0	0	0	0
K-1	146	146.5	9490	23.56	6.95	0	0	0.32	0
K-1	146.5	147	8441	11.68	31.55	0	7.97	1.3	0
K-1	147	147.5	6754	7.94	21.2	0	2.28	0.44	0
K-1	147.5	148	8087	16.11	12.95	0	0	1.31	0
K-1	148	148.5	6580	4.44	17.52	0	0	2.63	0
K-1	148.5	149	3867	10.27	18.62	0	0	3.62	0
K-1	149	149.5	9739	4.63	24.96	0	0	6.27	0
K-1	149.5	150	10954	11.3	14.52	0	0	1.12	0
K-1	150	150.5	6517	6.49	45.44	0	0	12.31	0
K-1	150.5	151	7492	23.67	3.56	0.12	0.49	2.34	0
K-1	151	151.5	9989	23.8	8.17	0	0	1.03	0
K-1	151.5	152	9114	11.04	25.78	0	0	10.57	0
K-1	152	152.5	1657	38.56	15.39	0	0	0	0
K-1	152.5	153	7104	11.5	17.93	0	0	0.39	0
K-1	153	153.5	8833	6.14	18.99	0	0	1.77	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
K-1	137	137.5	0	0	0	0	0	0
K-1	137.5	138	0	0	0	0	0	0
K-1	138	138.5	0	0	0	0	0	0
K-1	138.5	139	0	0	0	0	0	0.01
K-1	139	139.5	0	0	0	0.19	0	0
K-1	139.5	140	0	0	0	0	0	0
K-1	140	140.5	0	0	0.01	0	0	0.16
K-1	140.5	141	0	0	0.03	0	0	0.05
K-1	141	141.5	0	0.09	0	0	0	0
K-1	141.5	142	0	0	0	0	0	0
K-1	142	142.5	0	0	0	0.01	0	0
K-1	142.5	143	0	0	0.01	0	0	0.11
K-1	143	143.5	0	0	0	0	0	0
K-1	143.5	144	0	0	0	0	0	0
K-1	144	144.5	0	0	0	0	0	0
K-1	144.5	145	0	0	0	0	0	0
K-1	145	145.5	0	0	0	0	0	0
K-1	145.5	146	0	0	0	0	0	0
K-1	146	146.5	0	0	0	0	0	0
K-1	146.5	147	0	0	0	0	0	3.13
K-1	147	147.5	0	0	0	0	0	0.21
K-1	147.5	148	0	0	0	0	0	0
K-1	148	148.5	0	0	0	0	0	0
K-1	148.5	149	0	0	0	0	0	0
K-1	149	149.5	0	0	0	0	0	0
K-1	149.5	150	0	0	0	0	0	0
K-1	150	150.5	0	0	0	0	0	0
K-1	150.5	151	0	1.12	0.04	0	0	0.79
K-1	151	151.5	0	0	0	0	0	0
K-1	151.5	152	0	0	0	0	0	0.03
K-1	152	152.5	0	0	0	0	0	0
K-1	152.5	153	0	0	0	0	0	0
K-1	153	153.5	0	0	0	0	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
K-1	137	137.5	6.38	0.62	18.96	0	0.28	0
K-1	137.5	138	2.41	1.75	20.27	0.18	0	5
K-1	138	138.5	31.91	9.75	20.31	7.27	0	0.82
K-1	138.5	139	9.95	30.2	35.21	0.59	0.03	0.09
K-1	139	139.5	23.69	8.88	17.22	0	0.02	0.02
K-1	139.5	140	2.93	0.9	71.91	0	0	0
K-1	140	140.5	3.78	19.77	62.15	0	0	0.82
K-1	140.5	141	12.77	13.82	26.99	0.81	0	0.19
K-1	141	141.5	37.28	11.88	10.82	0.53	0.18	0
K-1	141.5	142	0	0	0.3	0	0	1.98
K-1	142	142.5	11.03	12.05	29.06	0.02	0	2.4
K-1	142.5	143	9.11	23.55	47.69	0.03	0	0.89
K-1	143	143.5	10.07	19.38	51.62	0	0	0
K-1	143.5	144	7.67	25.31	18.09	0	0	0
K-1	144	144.5	1.81	20.51	59.03	0.03	0	0.43
K-1	144.5	145	2.66	32.44	58.4	0.07	0	0.26
K-1	145	145.5	8.23	54.72	30.48	0.06	0	0.12
K-1	145.5	146	2.22	2.96	73.26	9.54	0	0
K-1	146	146.5	4.01	5.96	48.3	15.51	0	0.16
K-1	146.5	147	1.91	4.64	66.12	4.51	0	0.28
K-1	147	147.5	1.55	14.21	69.26	0.04	0	1.35
K-1	147.5	148	1.22	6.7	67.8	6.53	0	0.17
K-1	148	148.5	1.12	7.4	82.92	0.05	0	0
K-1	148.5	149	1.19	2.66	74.61	6.83	0	0
K-1	149	149.5	4.86	8.13	70.27	1.06	0	2.9
K-1	149.5	150	9.35	17.48	41.2	17.67	0	0.04
K-1	150	150.5	5.98	7.24	61.04	4.48	0.08	0.55
K-1	150.5	151	3.46	20.81	36.01	13.67	0.05	4.42
K-1	151	151.5	7.78	18.73	35.32	9.69	0	3.7
K-1	151.5	152	5.03	13.13	45.97	6.47	0.32	2.44
K-1	152	152.5	5.07	3.62	38.5	12.07	0	1.69
K-1	152.5	153	2.72	20.34	56.18	6.36	0	0.03
K-1	153	153.5	4.13	25.8	50.48	7.94	0	0.18

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
K-1	137	137.5	0	0	0	0	0
K-1	137.5	138	0.1	0	0	0	0
K-1	138	138.5	0.02	0	0	0	0
K-1	138.5	139	0.04	0	0	2344	0
K-1	139	139.5	0	1	0.02	0	0
K-1	139.5	140	0	0	0	0	0
K-1	140	140.5	0	0	0	0	0
K-1	140.5	141	0.01	0.36	0	0	0
K-1	141	141.5	0	3.44	0.03	0	873.36
K-1	141.5	142	0	0	0	0	0
K-1	142	142.5	0	0	0	2357.65	0
K-1	142.5	143	0.03	0	0	2347.35	0
K-1	143	143.5	0	0.04	0	0	0
K-1	143.5	144	0	0	0	0	0
K-1	144	144.5	0	0	0	0	0
K-1	144.5	145	0	0	0	0	0
K-1	145	145.5	0	0	0	0	0
K-1	145.5	146	0	0	0	0	0
K-1	146	146.5	0	0	0	0	0
K-1	146.5	147	0.24	0	0	2330.4	0
K-1	147	147.5	0.16	0	0	2342.06	0
K-1	147.5	148	0	0	0	0	0
K-1	148	148.5	0	0	0	0	0
K-1	148.5	149	0	0	0	0	0
K-1	149	149.5	0	0	0	0	0
K-1	149.5	150	0	0	0	0	0
K-1	150	150.5	0	0	0	0	0
K-1	150.5	151	0.19	0	0	2342.88	870.09
K-1	151	151.5	0.11	0	0	0	0
K-1	151.5	152	0.09	0	0	0	0
K-1	152	152.5	0	0	0	0	0
K-1	152.5	153	0	0	0	0	0
K-1	153	153.5	0	0	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
K-1	137	137.5	0	0	0	0	0
K-1	137.5	138	0	0	0	0	0
K-1	138	138.5	0	0	0	0	0
K-1	138.5	139	0	0	0	0	0
K-1	139	139.5	0.99988	0.53	2209.65	0	1.71
K-1	139.5	140	0	0	0	0	0
K-1	140	140.5	0	0	0	0	0
K-1	140.5	141	0	0.34	2204.5	3.7	3.7
K-1	141	141.5	0	0.71	2203.82	0.87	7.83
K-1	141.5	142	0	0	0	0	0
K-1	142	142.5	1.00457	0	0	0	0
K-1	142.5	143	0	0	0	0	0
K-1	143	143.5	0	0.39	2210.27	0	0
K-1	143.5	144	0	0	0	0	0
K-1	144	144.5	0	0	0	0	0
K-1	144.5	145	0	0	0	0	0
K-1	145	145.5	0	0	0	0	0
K-1	145.5	146	0	0	0	0	0
K-1	146	146.5	0	0	0	0	0
K-1	146.5	147	0	0	0	0	0
K-1	147	147.5	0	0	0	0	0
K-1	147.5	148	0	0	0	0	0
K-1	148	148.5	0	0	0	0	0
K-1	148.5	149	0	0	0	0	0
K-1	149	149.5	0	0	0	0	0
K-1	149.5	150	0	0	0	0	0
K-1	150	150.5	0	0	0	0	0
K-1	150.5	151	0	0	0	0	0
K-1	151	151.5	0	0	0	0	0
K-1	151.5	152	0	0	0	0	0
K-1	152	152.5	0	0	0	0	0
K-1	152.5	153	0	0	0	0	0
K-1	153	153.5	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
K-1	137	137.5	0	0	0	0	0	0
K-1	137.5	138	0	0	0	0	0	0
K-1	138	138.5	0	0	0	0	0	0
K-1	138.5	139	0	0	0	0	0	0
K-1	139	139.5	26.5	70.94	0.85	2264.2	0	0
K-1	139.5	140	0	0	0	0	0	0
K-1	140	140.5	0	0	0	0	0	0
K-1	140.5	141	81.48	11.11	0	2250.33	0	50
K-1	141	141.5	84.35	6.09	0.87	2254.03	0	8.7
K-1	141.5	142	0	0	0	0	0	0
K-1	142	142.5	0	0	0	0	0	0
K-1	142.5	143	0	0	0	0	0	0
K-1	143	143.5	25	50	25	0	0	0
K-1	143.5	144	0	0	0	0	0	0
K-1	144	144.5	0	0	0	0	0	0
K-1	144.5	145	0	0	0	0	0	0
K-1	145	145.5	0	0	0	0	0	0
K-1	145.5	146	0	0	0	0	0	0
K-1	146	146.5	0	0	0	0	0	0
K-1	146.5	147	0	0	0	0	0	0
K-1	147	147.5	0	0	0	0	0	0
K-1	147.5	148	0	0	0	0	0	0
K-1	148	148.5	0	0	0	0	0	0
K-1	148.5	149	0	0	0	0	0	0
K-1	149	149.5	0	0	0	0	0	0
K-1	149.5	150	0	0	0	0	0	0
K-1	150	150.5	0	0	0	0	0	0
K-1	150.5	151	0	0	0	0	0	0
K-1	151	151.5	0	0	0	0	0	0
K-1	151.5	152	0	0	0	0	0	0
K-1	152	152.5	0	0	0	0	0	0
K-1	152.5	153	0	0	0	0	0	0
K-1	153	153.5	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
K-1	137	137.5	0	0
K-1	137.5	138	0	0
K-1	138	138.5	0	0
K-1	138.5	139	0	0
K-1	139	139.5	0	100
K-1	139.5	140	0	0
K-1	140	140.5	0	0
K-1	140.5	141	37.5	12.5
K-1	141	141.5	78.26	13.04
K-1	141.5	142	0	0
K-1	142	142.5	0	0
K-1	142.5	143	0	0
K-1	143	143.5	0	0
K-1	143.5	144	0	0
K-1	144	144.5	0	0
K-1	144.5	145	0	0
K-1	145	145.5	0	0
K-1	145.5	146	0	0
K-1	146	146.5	0	0
K-1	146.5	147	0	0
K-1	147	147.5	0	0
K-1	147.5	148	0	0
K-1	148	148.5	0	0
K-1	148.5	149	0	0
K-1	149	149.5	0	0
K-1	149.5	150	0	0
K-1	150	150.5	0	0
K-1	150.5	151	0	0
K-1	151	151.5	0	0
K-1	151.5	152	0	0
K-1	152	152.5	0	0
K-1	152.5	153	0	0
K-1	153	153.5	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
K-1	153.5	154	2403	9.78	6.99	0	0	0.37	0
K-1	154	154.5	5685	0.46	51.79	0	0	16.17	0
K-1	154.5	155	9832	1.54	17.66	0.01	0	6.64	0
K-1	155	155.5	4911	2	11.57	0	0	0	0
K-1	155.5	156	927	0.11	37.54	0	0	0.54	0
K-1	156	156.5	7272	3.89	20.68	0	0	2.83	0
K-1	156.5	157	6373	3.33	20.56	0	0	25.29	0
K-1	157	157.5	4702	13.31	7.76	0	0	41.68	0
K-1	157.5	158	4364	2.68	28.94	0	0	33.13	0
K-1	158	158.5	9735	8.59	22.51	0	1.21	13.73	0
K-1	158.5	159	5980	16.72	14.03	0	0	6.77	0
K-1	159	159.5	2009	18.12	7.02	0	0	23.79	0
K-1	159.5	160	9212	3.32	18.14	0.01	0	19.14	0
K-1	160	160.5	5711	13.03	13.97	0	0	4.11	0
K-1	160.5	161	6091	12.2	12.31	0	0	0	0
K-1	161	161.5	1696	25.12	3.89	0	0	0	0
K-1	161.5	162	6706	17.52	17	0	0	0.03	0
K-1	162	162.5	8189	5.62	6.57	0	0	0	0
K-1	162.5	163	8172	8.39	5.54	0	0	0	0
K-1	163	163.5	4937	2.73	21.63	0	0	0.02	0
K-1	163.5	164	6613	9.33	10.13	0	0	0.95	0
K-1	164	164.5	7912	1.23	21.5	0	0	38.68	0
K-1	164.5	165	1861	0	5.86	0	0	81.19	0
K-1	165	165.5	10482	4.56	16.19	0	0.02	22.59	0
K-1	165.5	166	4553	11.22	1.34	0	0	0	0
K-1	166	166.5	7272	6.11	30.61	0	0	3.99	0
K-1	166.5	167	5679	2.61	20.16	0	0	40.55	0
K-1	167	167.5	12245	0.82	62.75	0	0	12.65	0
K-1	167.5	168	14670	3.47	25.55	0	0	1.4	0
K-1	168	168.5	16655	9.21	4	0	0	0.22	0
K-1	168.5	169	13061	12.63	6.44	0	0	0.28	0
K-1	169	169.5	15588	27.55	9.54	0	0	2.99	0
K-1	169.5	170	15051	20.43	12.96	0	0	10.7	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
K-1	153.5	154	0	0	0	0	0	0
K-1	154	154.5	0	0	0.02	0	0	0
K-1	154.5	155	0	0	0	0	0	0
K-1	155	155.5	0	0.02	0	0	0	0
K-1	155.5	156	0	0	0	0	0	0
K-1	156	156.5	0	0	0	0	0	0
K-1	156.5	157	0	0	0	0	0	1.27
K-1	157	157.5	0	0.02	0	0	0	0
K-1	157.5	158	0	0	0	0	0	0
K-1	158	158.5	0	0.09	0	0	0	0.03
K-1	158.5	159	0	0	0	0	0	0
K-1	159	159.5	0	0	0	0	0	3.24
K-1	159.5	160	0	0	0.07	0	0	1.02
K-1	160	160.5	0	0	0	0	0	0
K-1	160.5	161	0	0	0	0	0	0
K-1	161	161.5	0	0	0	0	0	0
K-1	161.5	162	0	0	0	0	0	0
K-1	162	162.5	0	0	0.01	0	0	0
K-1	162.5	163	0	0	0	0	0	0
K-1	163	163.5	0	0	0	0	0	0
K-1	163.5	164	0	0	0	0	0	0
K-1	164	164.5	0	0	0	0	0	0
K-1	164.5	165	0	0	0	0.11	0	0
K-1	165	165.5	0	0	0	0.01	0	0.03
K-1	165.5	166	0	0	0	0	0	0
K-1	166	166.5	0	0.03	0	0	0	0
K-1	166.5	167	0	0	0.02	0	0	0
K-1	167	167.5	0	0	0	0	0	0
K-1	167.5	168	0	0	0	0	0	0
K-1	168	168.5	0	0.12	0	0	0	0
K-1	168.5	169	0	0	0	0	0	0
K-1	169	169.5	0	0	0	0	0	0
K-1	169.5	170	0	0	0	0	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
K-1	153.5	154	1.12	10.74	73.78	3.62	0	0
K-1	154	154.5	1.64	8.3	72.1	0	0	0
K-1	154.5	155	34.54	18.28	40.29	0	0	0
K-1	155	155.5	8.04	53.84	34.23	0.37	0	0
K-1	155.5	156	4.42	34.84	54.69	0	0	0
K-1	156	156.5	10.73	25.01	35.62	19.99	0	0
K-1	156.5	157	4.83	28.2	30.21	5.19	0	0
K-1	157	157.5	2.06	3.68	32.14	6.08	0	2.79
K-1	157.5	158	2.11	13.31	33	0.05	0	0.21
K-1	158	158.5	2.72	4.62	58.18	4.47	0.22	3.78
K-1	158.5	159	1.74	3.06	52.37	13.14	0	4.1
K-1	159	159.5	2.54	11.6	32.06	4.63	0	0
K-1	159.5	160	2.23	16.72	49.82	1.32	0	0.02
K-1	160	160.5	0.79	19.42	50.94	8.37	0	0.23
K-1	160.5	161	2.45	26.12	43.03	14.38	0	0
K-1	161	161.5	5.37	1.71	30.96	36.08	0	0
K-1	161.5	162	3.46	4.83	49.19	22.25	0.01	0
K-1	162	162.5	1.83	43.44	32.68	6.34	0	0
K-1	162.5	163	4.09	27.92	39.97	12.98	0	0
K-1	163	163.5	1.54	33.2	55.58	0.55	0	0
K-1	163.5	164	3.22	41.52	22.52	19.9	0	0
K-1	164	164.5	0.9	23.58	22.55	0	0	0.04
K-1	164.5	165	6.07	0.54	5.86	0	0	0
K-1	165	165.5	18.97	17.63	26.57	0.11	0.01	0
K-1	165.5	166	14.67	13.33	25.5	33.58	0	0
K-1	166	166.5	9.93	11.03	58.59	9.47	0	0.12
K-1	166.5	167	3.87	9.56	35.48	0.79	0	0.11
K-1	167	167.5	2.2	12.85	65.29	0	0	0
K-1	167.5	168	4.39	52	36.41	0.29	0	0
K-1	168	168.5	9.17	64	14.79	2.05	0	0.54
K-1	168.5	169	25.38	31.54	27.39	2	0	0.18
K-1	169	169.5	7.85	15.81	34.69	9.98	0	0.06
K-1	169.5	170	5.55	10.34	42.76	3.96	0	0.82

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
K-1	153.5	154	0	0	0	0	0
K-1	154	154.5	0	0	0	0	0
K-1	154.5	155	0	0	0	0	0
K-1	155	155.5	0	0	0	0	0
K-1	155.5	156	0	0	0	0	0
K-1	156	156.5	0	0	0	0	0
K-1	156.5	157	0	0	0	0	0
K-1	157	157.5	0	0	0	0	932
K-1	157.5	158	0	0	0	0	0
K-1	158	158.5	0.05	0	0	2335.19	852.17
K-1	158.5	159	0	0	0	0	0
K-1	159	159.5	0	0	0	0	0
K-1	159.5	160	0	0	0	2343.76	0
K-1	160	160.5	0	0	0	0	0
K-1	160.5	161	0	0	0	0	0
K-1	161	161.5	0	0	0	0	0
K-1	161.5	162	0	0	0	0	0
K-1	162	162.5	0	0	0	0	0
K-1	162.5	163	0	0	0	0	0
K-1	163	163.5	0	0	0	0	0
K-1	163.5	164	0	0	0	0	0
K-1	164	164.5	0	0	0	0	0
K-1	164.5	165	0	0.11	0	0	0
K-1	165	165.5	0	0	0	0	0
K-1	165.5	166	0	0	0	0	0
K-1	166	166.5	0	0	0	0	0
K-1	166.5	167	0	0	0	0	0
K-1	167	167.5	0	0	0	0	0
K-1	167.5	168	0	0	0	0	0
K-1	168	168.5	0	0	0	0	871.04
K-1	168.5	169	0	0	0	0	0
K-1	169	169.5	0	0	0	0	0
K-1	169.5	170	0	0	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
K-1	153.5	154	0	0	0	0	0
K-1	154	154.5	0	0	0	0	0
K-1	154.5	155	0	0	0	0	0
K-1	155	155.5	0	0	0	0	0
K-1	155.5	156	0	0	0	0	0
K-1	156	156.5	0	0	0	0	0
K-1	156.5	157	0	0	0	0	0
K-1	157	157.5	0	0	0	0	0
K-1	157.5	158	0	0	0	0	0
K-1	158	158.5	0	0	0	0	0
K-1	158.5	159	0	0	0	0	0
K-1	159	159.5	0	0	0	0	0
K-1	159.5	160	0	0	0	0	0
K-1	160	160.5	0	0	0	0	0
K-1	160.5	161	0	0	0	0	0
K-1	161	161.5	0	0	0	0	0
K-1	161.5	162	0	0	0	0	0
K-1	162	162.5	0	0	0	0	0
K-1	162.5	163	0	0	0	0	0
K-1	163	163.5	0	0	0	0	0
K-1	163.5	164	0	0	0	0	0
K-1	164	164.5	0	0	0	0	0
K-1	164.5	165	0.99874	0.27	2212.65	0	0
K-1	165	165.5	0.99924	0	0	0	0
K-1	165.5	166	0	0	0	0	0
K-1	166	166.5	0	0	0	0	0
K-1	166.5	167	0	0	0	0	0
K-1	167	167.5	0	0	0	0	0
K-1	167.5	168	0	0	0	0	0
K-1	168	168.5	0	0	0	0	0
K-1	168.5	169	0	0	0	0	0
K-1	169	169.5	0	0	0	0	0
K-1	169.5	170	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
K-1	153.5	154	0	0	0	0	0	0
K-1	154	154.5	0	0	0	0	0	0
K-1	154.5	155	0	0	0	0	0	0
K-1	155	155.5	0	0	0	0	0	0
K-1	155.5	156	0	0	0	0	0	0
K-1	156	156.5	0	0	0	0	0	0
K-1	156.5	157	0	0	0	0	0	0
K-1	157	157.5	0	0	0	0	0	0
K-1	157.5	158	0	0	0	0	0	0
K-1	158	158.5	0	0	0	0	0	0
K-1	158.5	159	0	0	0	0	0	0
K-1	159	159.5	0	0	0	0	0	0
K-1	159.5	160	0	0	0	0	0	0
K-1	160	160.5	0	0	0	0	0	0
K-1	160.5	161	0	0	0	0	0	0
K-1	161	161.5	0	0	0	0	0	0
K-1	161.5	162	0	0	0	0	0	0
K-1	162	162.5	0	0	0	0	0	0
K-1	162.5	163	0	0	0	0	0	0
K-1	163	163.5	0	0	0	0	0	0
K-1	163.5	164	0	0	0	0	0	0
K-1	164	164.5	0	0	0	0	0	0
K-1	164.5	165	0	50	50	0	0	0
K-1	165	165.5	0	0	0	0	0	0
K-1	165.5	166	0	0	0	0	0	0
K-1	166	166.5	0	0	0	0	0	0
K-1	166.5	167	0	0	0	0	0	0
K-1	167	167.5	0	0	0	0	0	0
K-1	167.5	168	0	0	0	0	0	0
K-1	168	168.5	0	0	0	0	0	0
K-1	168.5	169	0	0	0	0	0	0
K-1	169	169.5	0	0	0	0	0	0
K-1	169.5	170	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
K-1	153.5	154	0	0
K-1	154	154.5	0	0
K-1	154.5	155	0	0
K-1	155	155.5	0	0
K-1	155.5	156	0	0
K-1	156	156.5	0	0
K-1	156.5	157	0	0
K-1	157	157.5	0	0
K-1	157.5	158	0	0
K-1	158	158.5	0	0
K-1	158.5	159	0	0
K-1	159	159.5	0	0
K-1	159.5	160	0	0
K-1	160	160.5	0	0
K-1	160.5	161	0	0
K-1	161	161.5	0	0
K-1	161.5	162	0	0
K-1	162	162.5	0	0
K-1	162.5	163	0	0
K-1	163	163.5	0	0
K-1	163.5	164	0	0
K-1	164	164.5	0	0
K-1	164.5	165	0	0
K-1	165	165.5	0	0
K-1	165.5	166	0	0
K-1	166	166.5	0	0
K-1	166.5	167	0	0
K-1	167	167.5	0	0
K-1	167.5	168	0	0
K-1	168	168.5	0	0
K-1	168.5	169	0	0
K-1	169	169.5	0	0
K-1	169.5	170	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
K-1	170	170.5	7360	51.81	7	0	0	4.66	0
K-1	170.5	171	15381	21.83	3.63	0	0	1.82	0
K-1	171	171.5	13936	20.21	2.46	0	0	1.54	0
K-1	171.5	172	15048	13.64	18.07	0	0	17.84	0.03
K-1	172	172.5	8304	4.85	2.82	0	0	31.58	0.02
K-1	172.5	173	15179	1.07	25.54	0	0	19.9	0
K-1	173	173.5	9793	1.03	20.31	0	0.29	50.82	0
K-1	173.5	174	8855	6.65	7.81	0.01	0.5	40.64	0
K-1	174	174.5	9004	1.1	5.55	0	0	76.07	0
K-1	174.5	175	17440	0.21	8.05	0	0.22	71.66	0.18
K-1	175	175.5	16250	0.02	9.33	0	0.44	66.46	0.04
K-1	175.5	176	14519	0.03	11.52	0	0	68.37	0
K-1	176	176.5	12441	2.32	27.33	0	0.31	23.76	0.08
K-1	176.5	177	14447	1.54	7.45	0	0	34.83	0
K-1	177	177.5	13836	12.36	2.49	0	0	7.4	0
K-1	177.5	178	6402	6.94	5.9	0	0	14.92	0
K-1	178	178.5	10735	1.79	18.2	0	0.05	14.51	0
K-1	178.5	179	15012	3.37	5.39	0	0.01	33.05	0.01
K-1	179	179.5	6640	0.81	17.12	0.02	0	39.49	0
K-1	179.5	180	8360	0.06	18.73	0	0	62.05	0
K-1	180	180.5	14915	1.08	14.32	0.01	0	40.74	0.01
K-1	180.5	181	14825	1.38	14.87	0	0.04	17.54	0
K-1	181	181.5	13529	2.45	6.46	0	0	51.81	0
K-1	181.5	182	14832	0.74	18.41	0	0.01	48.89	0
K-1	182	182.5	16839	0.29	4.72	0.01	0.08	75.91	0
K-1	182.5	183	17163	0.13	39.68	0	0	25.16	0
K-1	183	183.5	13101	0.5	8.75	0	0	52.35	0
K-1	183.5	184	17427	0.4	12.38	0	0	54.2	0
K-1	184	184.5	15953	1.76	17.24	0	0.64	16.67	0
K-1	184.5	185	16375	0.53	32.94	0	0.05	25.76	0
K-1	185	185.5	12608	0.73	32.64	0	0	35.03	0.03
K-1	185.5	186	13289	3.42	13.73	0	0	4.32	0
K-1	186	186.5	7695	1.91	20.7	0	0.75	23.89	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
K-1	170	170.5	0	0	0	0.04	0	0
K-1	170.5	171	0	1.86	0	0	0	0
K-1	171	171.5	0	0.47	0	0	0	0
K-1	171.5	172	0	0	0	0.02	0	0.01
K-1	172	172.5	0	0	0.02	0.17	0	2.04
K-1	172.5	173	0	0	0	0.04	0	0
K-1	173	173.5	0	0.05	0.02	0.05	0	0
K-1	173.5	174	0	0	0	0.08	0	0
K-1	174	174.5	0	0	0	0.01	0	0
K-1	174.5	175	0	0	0	0.05	0	0
K-1	175	175.5	0	0	0.06	0.02	0.45	7.98
K-1	175.5	176	0	0	0	0.01	0	0
K-1	176	176.5	0	0	0	0	0	0
K-1	176.5	177	0	0	0	0.06	0.01	0.01
K-1	177	177.5	0	0	0	0.01	0	0
K-1	177.5	178	0	0	0	0.03	0	0
K-1	178	178.5	0	0.02	0	0.07	0	0
K-1	178.5	179	0	0.32	0	0.03	0	0
K-1	179	179.5	0	0	0	0	0	0
K-1	179.5	180	0	0	0	0.01	0	0
K-1	180	180.5	0	0	0	0.01	0	0
K-1	180.5	181	0	0	0	0	0	0
K-1	181	181.5	0	0	0	0	0	0
K-1	181.5	182	0	0	0.01	0.02	0	0
K-1	182	182.5	0	0	0	0.03	0	0
K-1	182.5	183	0	0	0.01	0	0	0
K-1	183	183.5	0	0	0	0	0	0
K-1	183.5	184	0	0	0	0.01	0	0
K-1	184	184.5	0	0.04	0	0	0	0
K-1	184.5	185	0	0	0	0	0	0
K-1	185	185.5	0	0	0	0.25	0	0
K-1	185.5	186	0	0	0	0	0	0
K-1	186	186.5	0	0	0	0	0	0.82

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
K-1	170	170.5	0.68	3.02	35.8	0.94	0	0
K-1	170.5	171	0.71	3.77	34.85	35.53	0	0.03
K-1	171	171.5	2.81	13.45	37.39	23.34	0	0.08
K-1	171.5	172	3.28	4.43	46.72	8.05	0	0
K-1	172	172.5	24.04	22.15	9.09	0.2	0	3.02
K-1	172.5	173	0.38	8.29	61.7	0.29	0	0.01
K-1	173	173.5	2.8	3.18	27.36	0.01	0	0
K-1	173.5	174	5.45	12.8	20.95	0.26	0	2.19
K-1	174	174.5	1.25	1.07	9.92	0.19	0	0
K-1	174.5	175	2.22	1.43	11.44	0.01	0	0.32
K-1	175	175.5	2.57	1.05	12.83	0	0	0.02
K-1	175.5	176	1.61	1.09	15.89	0	0	0
K-1	176	176.5	4.73	4.16	54.06	0	0	0.31
K-1	176.5	177	37.22	7.6	14.33	0	0.01	2.74
K-1	177	177.5	31.37	7.73	38.39	0.57	0	0.09
K-1	177.5	178	39.6	8.09	25.79	0.19	0	1
K-1	178	178.5	40.78	3.55	37	0.01	0	0.13
K-1	178.5	179	29.7	1.29	25.47	0.01	0	2.26
K-1	179	179.5	10.2	0.14	44.46	0	0	0
K-1	179.5	180	2.61	0.72	23.58	0	0	0
K-1	180	180.5	7.36	3.19	40.46	0.1	0	0.03
K-1	180.5	181	41.05	1.67	33.39	0	0	0.4
K-1	181	181.5	5.03	0.59	25.05	0.01	0	0.1
K-1	181.5	182	3.36	3.89	36.78	0	0	0.02
K-1	182	182.5	5.17	1.37	8	0	0.02	0.76
K-1	182.5	183	9.35	6.79	49.01	0	0	0.17
K-1	183	183.5	16.64	9.22	16.84	0	0	0.19
K-1	183.5	184	14.15	5.11	18.49	0.02	0	0.03
K-1	184	184.5	30.58	13.38	32.11	1.33	0	2.56
K-1	184.5	185	10.45	16.18	40.16	0.01	0	0.2
K-1	185	185.5	4.39	21.68	34.8	0	0	0.14
K-1	185.5	186	13.41	63.5	14.42	0	0	0.14
K-1	186	186.5	5.87	27.69	31.27	0	0	1.13

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
K-1	170	170.5	0	0	0	0	0
K-1	170.5	171	0	0	0	0	871.72
K-1	171	171.5	0	0	0	0	875.6
K-1	171.5	172	0	0.06	0	0	0
K-1	172	172.5	0	0.31	0	0	0
K-1	172.5	173	0	0.05	0	0	0
K-1	173	173.5	0.01	0.33	0	2346.13	906
K-1	173.5	174	0	0.09	0	2348.01	0
K-1	174	174.5	0	0.06	0	0	0
K-1	174.5	175	0	0.21	0	2347.09	0
K-1	175	175.5	0.04	0.08	0	2336.51	0
K-1	175.5	176	0	0.1	0	0	0
K-1	176	176.5	0	0.14	0	2344.68	0
K-1	176.5	177	0	0.16	0	0	0
K-1	177	177.5	0	0.01	0	0	0
K-1	177.5	178	0	0.03	0	0	0
K-1	178	178.5	0	0.04	0	2347	927.92
K-1	178.5	179	0	0.05	0	2347.29	870.29
K-1	179	179.5	0	0.02	0	2347.28	0
K-1	179.5	180	0	0	0	0	0
K-1	180	180.5	0	0.05	0	2346.04	0
K-1	180.5	181	0	0.06	0	2340	0
K-1	181	181.5	0	0	0	0	0
K-1	181.5	182	0	0.06	0	2350	0
K-1	182	182.5	0.01	0.06	0	2345.39	0
K-1	182.5	183	0	0	0	0	0
K-1	183	183.5	0	0	0	0	0
K-1	183.5	184	0	0.07	0	0	0
K-1	184	184.5	0.25	0	0	2343.74	0
K-1	184.5	185	0	0	0	2343.33	0
K-1	185	185.5	0	0.3	0	0	0
K-1	185.5	186	0	0	0	0	0
K-1	186	186.5	0	0.17	0	2334	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
K-1	170	170.5	0.99957	0	0	0	0
K-1	170.5	171	0	0	0	0	0
K-1	171	171.5	0	0	0	0	0
K-1	171.5	172	1.00169	0.43	2209.98	0	0
K-1	172	172.5	1.00014	0.4	2209.7	9.09	0
K-1	172.5	173	1.0001	0.26	2210.51	0	12.5
K-1	173	173.5	1.00099	0.39	2210.73	0	0
K-1	173.5	174	1.00057	0.42	2211.93	0	0
K-1	174	174.5	0.99825	0.22	2203.49	33.33	0
K-1	174.5	175	0.99969	0.37	2207.33	8.82	8.82
K-1	175	175.5	0.99966	0.33	2211	0	0
K-1	175.5	176	1.00082	0.28	2209.97	0	8.33
K-1	176	176.5	0	0.46	2207.69	0	0
K-1	176.5	177	1.0003	0.3	2210.36	0	0
K-1	177	177.5	0.99982	0.2	2211.77	0	0
K-1	177.5	178	0.99965	0.28	2215.12	0	0
K-1	178	178.5	1.00017	0.3	2210.45	0	0
K-1	178.5	179	1.00141	0.29	2213.96	16.67	0
K-1	179	179.5	0	0.2	0	0	0
K-1	179.5	180	1.00324	0	0	0	0
K-1	180	180.5	1.00383	0.19	2217.89	0	0
K-1	180.5	181	0	0.29	2213.39	11.11	0
K-1	181	181.5	0	0	0	0	0
K-1	181.5	182	1.00165	0.3	2209.58	11.11	0
K-1	182	182.5	0.99932	0.27	2206.9	0	25
K-1	182.5	183	0	0	0	0	0
K-1	183	183.5	0	0	0	0	0
K-1	183.5	184	0.99779	0.28	2210.73	9.09	0
K-1	184	184.5	0	0	0	0	0
K-1	184.5	185	0	0	0	0	0
K-1	185	185.5	1.00016	0.31	2207.76	2.78	0
K-1	185.5	186	0	0	0	0	0
K-1	186	186.5	0	0.42	2208.34	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
K-1	170	170.5	0	0	0	0	0	0
K-1	170.5	171	0	0	0	0	0	0
K-1	171	171.5	0	0	0	0	0	0
K-1	171.5	172	22.22	77.78	0	2261.25	0	0
K-1	172	172.5	13.64	59.09	18.18	0	0	0
K-1	172.5	173	12.5	50	25	0	0	0
K-1	173	173.5	21.43	67.86	10.71	0	0	0
K-1	173.5	174	11.11	66.67	22.22	0	0	0
K-1	174	174.5	0	66.67	0	0	0	0
K-1	174.5	175	38.24	44.12	0	2253.65	0	0
K-1	175	175.5	10	90	0	2250.2	0	28.57
K-1	175.5	176	16.67	58.33	16.67	0	0	0
K-1	176	176.5	61.11	38.89	0	2253.21	0	12.5
K-1	176.5	177	22.73	68.18	9.09	0	0	0
K-1	177	177.5	0	100	0	0	0	0
K-1	177.5	178	0	50	50	0	0	0
K-1	178	178.5	40	60	0	0	0	0
K-1	178.5	179	0	83.33	0	2255.53	0	0
K-1	179	179.5	0	0	0	0	0	0
K-1	179.5	180	0	0	0	0	0	0
K-1	180	180.5	0	33.33	66.67	2250.54	0	0
K-1	180.5	181	22.22	33.33	33.33	0	0	0
K-1	181	181.5	0	0	0	0	0	0
K-1	181.5	182	33.33	55.56	0	0	0	0
K-1	182	182.5	33.33	41.67	0	0	0	0
K-1	182.5	183	0	0	0	0	0	0
K-1	183	183.5	0	0	0	0	0	0
K-1	183.5	184	9.09	63.64	18.18	0	0	0
K-1	184	184.5	0	0	0	0	0	0
K-1	184.5	185	0	0	0	0	0	0
K-1	185	185.5	58.33	30.56	8.33	0	0	0
K-1	185.5	186	0	0	0	0	0	0
K-1	186	186.5	50	50	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
K-1	170	170.5	0	0
K-1	170.5	171	0	0
K-1	171	171.5	0	0
K-1	171.5	172	0	100
K-1	172	172.5	0	0
K-1	172.5	173	0	0
K-1	173	173.5	0	0
K-1	173.5	174	0	0
K-1	174	174.5	0	0
K-1	174.5	175	93.1	6.9
K-1	175	175.5	71.43	0
K-1	175.5	176	0	0
K-1	176	176.5	75	12.5
K-1	176.5	177	0	0
K-1	177	177.5	0	0
K-1	177.5	178	0	0
K-1	178	178.5	0	0
K-1	178.5	179	100	0
K-1	179	179.5	0	0
K-1	179.5	180	0	0
K-1	180	180.5	100	0
K-1	180.5	181	0	0
K-1	181	181.5	0	0
K-1	181.5	182	0	0
K-1	182	182.5	0	0
K-1	182.5	183	0	0
K-1	183	183.5	0	0
K-1	183.5	184	0	0
K-1	184	184.5	0	0
K-1	184.5	185	0	0
K-1	185	185.5	0	0
K-1	185.5	186	0	0
K-1	186	186.5	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
K-1	186.5	187	2950	0.27	14.1	0	0	21.53	0
K-1	187	187.5	9934	3.93	33.26	0	0	3.49	0
K-1	187.5	188	5294	0	18.74	0	0	13.34	0
K-1	188	188.5	6848	2.51	46.63	0	0	2.18	0
K-1	188.5	189	296	0	31.76	0	0	26.01	0
K-1	189	189.5	3815	0.18	27.86	0	0	15.47	0
K-1	189.5	190	10670	0.61	41.04	0	0	13.75	0
K-1	190	190.5	8004	0.3	32.26	0	0	17.34	0
K-1	190.5	191	2405	0.25	21.91	0	0	35.09	0
K-1	191	191.5	2724	5.36	37.37	0	0	1.73	0
K-1	191.5	192	11374	2.46	20.73	0	0	13.06	0
K-1	192	192.5	12482	2.49	43.27	0	0	7.93	0
K-1	192.5	193	6442	1.06	21.48	0	0.05	20.68	0
K-1	193	193.5	4749	7.16	12.09	0	0	28.62	0
K-1	193.5	194	7686	3.42	5.89	0	0.25	57.33	0
K-1	194	194.5	6362	17.1	2.04	0	0	15.03	0
K-1	194.5	195	4777	10.05	4.65	0	0.02	55.89	0
K-1	195	195.5	6985	15.3	12.73	0	0	21.25	0
K-1	195.5	196	6860	9.31	6.84	0	0	12.81	0
K-1	196	196.5	6441	12.13	6.12	0	0.09	22.15	1.07
K-1	196.5	197	7697	19.2	2.04	0	0	1.6	0
K-1	197	197.5	5851	25.29	13.06	0	0	1.35	0
K-1	197.5	198	1038	25.24	6.07	0	0	1.93	0
K-1	198	198.5	9153	11.65	9.28	0	0	5.63	0
K-1	198.5	199	7072	16.32	19.44	0	0	16.98	0
K-1	199	199.5	2857	26.08	6.9	0	0.39	14.81	0
KL-4	119	119.5	4056	0	0.42	0	0	65.43	0
KL-4	119.5	120	5409	0.89	0.35	0	0.76	54.3	0
KL-4	120	120.5	2118	9.21	6.99	0	0.33	24.98	0
KL-4	120.5	121	5288	1.53	26.32	0.21	4.71	32.32	0
KL-4	124.5	125	2833	0	0.07	0	0	94.46	0
KL-4	125	125.5	5941	0.77	3.21	0	0.32	39.71	0.54
KL-4	125.5	126	6030	0.15	29.32	0	0	7.01	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
K-1	186.5	187	0	0	0	0	0	0
K-1	187	187.5	0	0	0	0	0	0
K-1	187.5	188	0	0	0	0	0	0.26
K-1	188	188.5	0	0	0	0	0	0
K-1	188.5	189	0	0	0	0	0	0
K-1	189	189.5	0	0	0	0	0	0
K-1	189.5	190	0	0.01	0	0	0	0.76
K-1	190	190.5	0	0	0	0	0	0
K-1	190.5	191	0	0	0	0	0	0
K-1	191	191.5	0	0.07	0	0	0	0
K-1	191.5	192	0	0	0	0	0	0
K-1	192	192.5	0	0	0	0	0	0
K-1	192.5	193	0	0.23	0.2	0	0.08	5.25
K-1	193	193.5	0	0	0.11	0	0	3.28
K-1	193.5	194	0	0	0	0	0	0.17
K-1	194	194.5	0	0	0	0	0	0
K-1	194.5	195	0	0	0	0	0	2.87
K-1	195	195.5	0	0	0	0	0	0
K-1	195.5	196	0	0	0	0	0	0.01
K-1	196	196.5	0	0	0.03	0	0	0.02
K-1	196.5	197	0	0	0	0	0	0
K-1	197	197.5	0	0	0	0	0	0
K-1	197.5	198	0	0	0	0	0	0
K-1	198	198.5	0	0	0	0	0	0
K-1	198.5	199	0	0.13	0.01	0	0	0.25
K-1	199	199.5	0	0	0.11	0	0	2.66
KL-4	119	119.5	0	0	0.67	0.05	4.31	66.74
KL-4	119.5	120	0	0	0.31	0.02	2.42	72.18
KL-4	120	120.5	0	0	1.13	0	0	4.96
KL-4	120.5	121	0	0	0.49	0	0.17	24.57
KL-4	124.5	125	0	0	0	0.04	1.84	30.67
KL-4	125	125.5	0	0	0.72	0.02	4.09	59.62
KL-4	125.5	126	0	0	0	0	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
K-1	186.5	187	51.69	0.37	23.8	0	0	0
K-1	187	187.5	14.5	25.16	52.44	0.06	0	0.08
K-1	187.5	188	9.39	47.26	25.03	0	0	0.08
K-1	188	188.5	2.02	34.24	58.03	0.25	0	0
K-1	188.5	189	5.74	22.97	33.11	0	0	0
K-1	189	189.5	14.44	40.13	27.97	0	0	0
K-1	189.5	190	11.31	28.1	42.75	0.23	0	0.05
K-1	190	190.5	18.82	23.95	33.21	0	0	0.47
K-1	190.5	191	21.58	23.16	22.58	0	0	0.46
K-1	191	191.5	20.96	19.93	47.58	5.73	0	0
K-1	191.5	192	18.04	28.4	34.24	0.11	0	0
K-1	192	192.5	9.33	17.54	57.62	1.46	0	2.94
K-1	192.5	193	6.94	34.32	24.01	1.33	0.03	0
K-1	193	193.5	10.82	19.44	17.75	0.13	0	0
K-1	193.5	194	0.07	3.54	18.32	1.68	0	0
K-1	194	194.5	0.19	4.67	18.77	37.71	0	0
K-1	194.5	195	0.33	0.77	16.56	2.43	0	0.38
K-1	195	195.5	1.95	2.56	31.4	24.48	0	0
K-1	195.5	196	8.56	1.71	34.87	28.53	0	1.52
K-1	196	196.5	1.44	9.87	25.01	22.93	0	0.11
K-1	196.5	197	1.25	3.14	52.55	20.36	0	0
K-1	197	197.5	0.72	11.54	45.84	15.11	0	0
K-1	197.5	198	1.16	0.87	13.49	59.25	0	0
K-1	198	198.5	1.09	12.7	11.53	53.41	0	0
K-1	198.5	199	4.88	8.98	38.94	6.15	0	0
K-1	199	199.5	0.6	28.56	17.47	0.21	0	0.11
KL-4	119	119.5	1.92	1.28	2.49	0	0	1.28
KL-4	119.5	120	1.89	2.98	2.38	0	0	0.07
KL-4	120	120.5	20.73	30.83	9.02	0.05	0	0.76
KL-4	120.5	121	8.02	5.37	36.89	0	0	1.82
KL-4	124.5	125	0	2.79	0.11	0	0	0.04
KL-4	125	125.5	15.22	3.65	9.86	0	0	1.16
KL-4	125.5	126	17.08	43.73	29.54	0	0	0

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
K-1	186.5	187	0	0	0	0	0
K-1	187	187.5	0	0	0	0	0
K-1	187.5	188	0	0	0	0	0
K-1	188	188.5	0	0	0	0	0
K-1	188.5	189	0	0	0	0	0
K-1	189	189.5	0	0	0	0	0
K-1	189.5	190	0	0	0	0	0
K-1	190	190.5	0	0	0	0	0
K-1	190.5	191	0	0	0	0	0
K-1	191	191.5	0	0	0	0	864
K-1	191.5	192	0	0	0	0	0
K-1	192	192.5	0.02	0	0	0	0
K-1	192.5	193	0.14	0	0	2344	914.54
K-1	193	193.5	0	0	0	0	0
K-1	193.5	194	0	0	0	2344.44	0
K-1	194	194.5	0	0	0	0	0
K-1	194.5	195	0.08	0	0	0	0
K-1	195	195.5	0	0	0	0	0
K-1	195.5	196	0	0	0	0	0
K-1	196	196.5	0.03	0.09	0	2347.53	0
K-1	196.5	197	0	0	0	0	0
K-1	197	197.5	0	0	0	0	0
K-1	197.5	198	0	0	0	0	0
K-1	198	198.5	0	0	0	0	0
K-1	198.5	199	0	0	0	0	892.66
K-1	199	199.5	0	0	0	2357.65	0
KL-4	119	119.5	0	1.55	0	0	0
KL-4	119.5	120	0	0	0	2331.53	0
KL-4	120	120.5	0	0	0	2345.92	0
KL-4	120.5	121	0.11	0.02	0	2329.71	0
KL-4	124.5	125	0	0	0	0	0
KL-4	125	125.5	0	0.39	0	2330.15	0
KL-4	125.5	126	0	0	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
K-1	186.5	187	0	0	0	0	0
K-1	187	187.5	0	0	0	0	0
K-1	187.5	188	0	0	0	0	0
K-1	188	188.5	0	0	0	0	0
K-1	188.5	189	0	0	0	0	0
K-1	189	189.5	0	0	0	0	0
K-1	189.5	190	0	0	0	0	0
K-1	190	190.5	0	0	0	0	0
K-1	190.5	191	0	0	0	0	0
K-1	191	191.5	0	0	0	0	0
K-1	191.5	192	0	0	0	0	0
K-1	192	192.5	0	0	0	0	0
K-1	192.5	193	0	0	0	0	0
K-1	193	193.5	0	0	0	0	0
K-1	193.5	194	0	0	0	0	0
K-1	194	194.5	0	0	0	0	0
K-1	194.5	195	0	0	0	0	0
K-1	195	195.5	0	0	0	0	0
K-1	195.5	196	0	0	0	0	0
K-1	196	196.5	0	0.35	2206.01	0	0
K-1	196.5	197	0	0	0	0	0
K-1	197	197.5	0	0	0	0	0
K-1	197.5	198	0	0	0	0	0
K-1	198	198.5	0	0	0	0	0
K-1	198.5	199	0	0	0	0	0
K-1	199	199.5	0	0	0	0	0
KL-4	119	119.5	0.99693	0.4	2205.55	0	1.54
KL-4	119.5	120	0.99656	0	0	0	0
KL-4	120	120.5	0	0	0	0	0
KL-4	120.5	121	0	0	0	0	0
KL-4	124.5	125	1.00106	0	0	0	0
KL-4	125	125.5	0.99554	0.59	2202.55	0	26.09
KL-4	125.5	126	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
K-1	186.5	187	0	0	0	0	0	0
K-1	187	187.5	0	0	0	0	0	0
K-1	187.5	188	0	0	0	0	0	0
K-1	188	188.5	0	0	0	0	0	0
K-1	188.5	189	0	0	0	0	0	0
K-1	189	189.5	0	0	0	0	0	0
K-1	189.5	190	0	0	0	0	0	0
K-1	190	190.5	0	0	0	0	0	0
K-1	190.5	191	0	0	0	0	0	0
K-1	191	191.5	0	0	0	0	0	0
K-1	191.5	192	0	0	0	0	0	0
K-1	192	192.5	0	0	0	0	0	0
K-1	192.5	193	0	0	0	0	0	0
K-1	193	193.5	0	0	0	0	0	0
K-1	193.5	194	0	0	0	0	0	0
K-1	194	194.5	0	0	0	0	0	0
K-1	194.5	195	0	0	0	0	0	0
K-1	195	195.5	0	0	0	0	0	0
K-1	195.5	196	0	0	0	0	0	0
K-1	196	196.5	66.67	33.33	0	2256.17	2.99	1.49
K-1	196.5	197	0	0	0	0	0	0
K-1	197	197.5	0	0	0	0	0	0
K-1	197.5	198	0	0	0	0	0	0
K-1	198	198.5	0	0	0	0	0	0
K-1	198.5	199	0	0	0	0	0	0
K-1	199	199.5	0	0	0	0	0	0
KL-4	119	119.5	84.62	12.31	1.54	0	0	0
KL-4	119.5	120	0	0	0	0	0	0
KL-4	120	120.5	0	0	0	0	0	0
KL-4	120.5	121	0	0	0	0	0	0
KL-4	124.5	125	0	0	0	0	0	0
KL-4	125	125.5	65.22	8.7	0	2257.12	0	0
KL-4	125.5	126	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
K-1	186.5	187	0	0
K-1	187	187.5	0	0
K-1	187.5	188	0	0
K-1	188	188.5	0	0
K-1	188.5	189	0	0
K-1	189	189.5	0	0
K-1	189.5	190	0	0
K-1	190	190.5	0	0
K-1	190.5	191	0	0
K-1	191	191.5	0	0
K-1	191.5	192	0	0
K-1	192	192.5	0	0
K-1	192.5	193	0	0
K-1	193	193.5	0	0
K-1	193.5	194	0	0
K-1	194	194.5	0	0
K-1	194.5	195	0	0
K-1	195	195.5	0	0
K-1	195.5	196	0	0
K-1	196	196.5	50.75	44.78
K-1	196.5	197	0	0
K-1	197	197.5	0	0
K-1	197.5	198	0	0
K-1	198	198.5	0	0
K-1	198.5	199	0	0
K-1	199	199.5	0	0
KL-4	119	119.5	0	0
KL-4	119.5	120	0	0
KL-4	120	120.5	0	0
KL-4	120.5	121	0	0
KL-4	124.5	125	0	0
KL-4	125	125.5	51.61	48.39
KL-4	125.5	126	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
KL-4	126	126.5	3232	0.84	29.64	0	0	0.4	0
KL-4	129.5	130	6451	0.23	63.32	0	0	0.62	0
KL-4	130	130.5	6774	0.3	65.91	0	0	7.38	0
KL-4	130.5	131	6694	0.06	17.81	0	0	57.98	0
KL-4	131	131.5	6389	0.25	26.87	0	0	56.53	0
KL-4	131.5	132	6066	0	27.09	0	0	56.2	0
KL-4	132	132.5	5718	0.19	59.44	0	0	17.31	0
KL-4	132.5	133	1456	0.07	55.91	0	0	17.38	0
KL-4	134.5	135	2714	0.11	54.53	0	0	12.97	0
KL-4	135	135.5	4637	0.04	28.98	0	0	1.12	0
KL-4	135.5	136	4538	0.33	22.12	0	0	1.54	0
KL-4	136	136.5	4681	0.19	54.05	0	0	7.73	0
KL-4	136.5	137	99	0	36.36	0	0	0	0
KL-4	139.5	140	822	0	45.38	0	0	7.06	0
KL-4	140	140.5	4503	0.87	3.58	0	0.02	14.37	0
KL-4	140.5	141	4200	0.1	0.55	0	0	16.93	0
KL-4	141	141.5	5782	0.22	9.67	0	0	21.79	0
KL-4	141.5	142	2666	0.19	5.85	0	0.08	0.98	0
KL-4	145	145.5	2982	0.6	24.78	0	0	11.57	0
KL-4	145.5	146	4946	2.79	0.02	0	0.02	0	0
KL-4	146	146.5	2329	0.3	4.98	0	0	18.03	0
KL-4	147	147.5	4363	0.69	5.39	0	0.14	44.81	0
KL-4	147.5	148	4252	0.24	13.24	0	0	17.45	0.02
KL-4	148	148.5	472	0	31.99	0	0	5.72	0
KL-4	150.5	151	1229	8.54	0	0	61.11	0.16	0.16
KL-4	151	151.5	5769	6.59	1.33	0	33.54	12.97	0.49
KL-4	151.5	152	3492	5.24	0.37	0	2.38	34.42	1.8
KL-4	152	152.5	2391	5.4	8.99	0	0	27.98	0
KL-4	152.5	153	4437	1.8	4.64	0	2.05	36.42	0.05
KL-4	153	153.5	5374	0	13.12	0.04	0.65	46.87	0
KL-4	153.5	154	424	0	24.06	0	0	16.51	0
KL-4	156	156.5	962	0	0.52	0	0.83	12.47	0.1
KL-4	156.5	157	5413	0.61	3.49	0	18.99	31.28	0.07

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
KL-4	126	126.5	0	0	0	0	0	0
KL-4	129.5	130	0	0	0	0	0	0
KL-4	130	130.5	0	0	0	0	0	0
KL-4	130.5	131	0	0	0	0	0	0
KL-4	131	131.5	0	0	0	0	0	0
KL-4	131.5	132	0	0	0	0	0	0
KL-4	132	132.5	0	0	0	0	0	0.05
KL-4	132.5	133	0	0	0	0	0	0
KL-4	134.5	135	0	0	0	0	0	0
KL-4	135	135.5	0	0	0	0	0	0
KL-4	135.5	136	0	0	0	0	0	0
KL-4	136	136.5	0	0	0.02	0	0	0.02
KL-4	136.5	137	0	0	0	0	0	0
KL-4	139.5	140	0	0	0	0	0	0
KL-4	140	140.5	0	0	0	0.04	0	0
KL-4	140.5	141	0	0	0	0.02	0	0.12
KL-4	141	141.5	0	0	0	0	0	0.02
KL-4	141.5	142	0	0	0	0.08	0	0
KL-4	145	145.5	0	0	0	0	0	0
KL-4	145.5	146	0	1.33	0	0	0	0
KL-4	146	146.5	0	0	0	0	0	0
KL-4	147	147.5	0	0	0	0.34	0	0
KL-4	147.5	148	0	0	0	0.31	0	0
KL-4	148	148.5	0	0	0	0	0	0
KL-4	150.5	151	0	0	0.08	0	0	33.28
KL-4	151	151.5	0.21	0.43	0.8	0	0.8	40.18
KL-4	151.5	152	0.09	0	4.9	0.09	5.47	61.86
KL-4	152	152.5	0	0	0	0	0	0.13
KL-4	152.5	153	0	0.02	0.52	0.05	0	12.91
KL-4	153	153.5	0	0	0.11	0	0	0.73
KL-4	153.5	154	0	0	0	0	0	0
KL-4	156	156.5	0	0	0.62	0.1	5.09	85.86
KL-4	156.5	157	0	0	1.57	0	2.97	56.23

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
KL-4	126	126.5	1.45	67.79	29.92	0	0	0
KL-4	129.5	130	0.12	31.58	68.07	0	0	0
KL-4	130	130.5	0.93	20.36	68.28	0	0	0
KL-4	130.5	131	1.12	7.78	18.08	0	0	0
KL-4	131	131.5	0.53	5.26	26.87	0	0	0
KL-4	131.5	132	0.45	2.87	27.1	0	0	0
KL-4	132	132.5	2.12	17.47	59.79	0	0	0
KL-4	132.5	133	3.64	10.03	56.52	0	0	0
KL-4	134.5	135	0.7	26.42	54.64	0	0	0
KL-4	135	135.5	2.16	67.26	30.02	0	0	0
KL-4	135.5	136	3.39	73.78	22.26	0	0	0
KL-4	136	136.5	10.96	24.08	54.2	0	0	0.3
KL-4	136.5	137	0	63.64	36.36	0	0	0
KL-4	139.5	140	34.91	11.56	45.38	0	0	0
KL-4	140	140.5	34	45.7	6.55	0	0	0.11
KL-4	140.5	141	44.17	48.26	0.67	0	0	0.05
KL-4	141	141.5	61.28	17.71	10.48	0	0	1.11
KL-4	141.5	142	51.65	38.03	10.05	0	0	0.79
KL-4	145	145.5	36.59	20.42	27.93	0	0	1.64
KL-4	145.5	146	32.29	62.37	1.44	0.1	0	2.49
KL-4	146	146.5	41.39	39.76	5.02	0	0	0
KL-4	147	147.5	14.69	26.15	6.46	0	0	0.18
KL-4	147.5	148	33.11	36.15	13.24	0	0	0.09
KL-4	148	148.5	38.14	29.45	32.42	0	0	0
KL-4	150.5	151	0	0	37.67	0	0	8.3
KL-4	151	151.5	3.92	1.77	17.25	0.09	0	1.94
KL-4	151.5	152	1.69	0	8.53	0.66	0	1.86
KL-4	152	152.5	49.98	3.81	13.89	0	0	3.01
KL-4	152.5	153	24.54	9.8	17.4	0.14	0	5.41
KL-4	153	153.5	28.4	5.99	17.34	0	0	2.85
KL-4	153.5	154	41.75	7.78	25	0	0	0
KL-4	156	156.5	0.73	0	6.24	0	0	0.94
KL-4	156.5	157	2.72	2.62	21.71	0.11	0	4.23

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
KL-4	126	126.5	0	0	0	0	0
KL-4	129.5	130	0	0	0	0	0
KL-4	130	130.5	0	0	0	0	0
KL-4	130.5	131	0	0	0	0	0
KL-4	131	131.5	0	0	0	0	0
KL-4	131.5	132	0	0	0	0	0
KL-4	132	132.5	0	0	0	0	0
KL-4	132.5	133	0	0	0	0	0
KL-4	134.5	135	0	0	0	0	0
KL-4	135	135.5	0	0	0	0	0
KL-4	135.5	136	0	0	0	0	0
KL-4	136	136.5	0	0	0	0	0
KL-4	136.5	137	0	0	0	0	0
KL-4	139.5	140	0	0	0	0	0
KL-4	140	140.5	0	1.98	0.02	2356	0
KL-4	140.5	141	0	0	0	0	0
KL-4	141	141.5	0	0.1	0	0	0
KL-4	141.5	142	0	0	0	2345.14	0
KL-4	145	145.5	0	0	0	0	0
KL-4	145.5	146	0	0	0	0	943.44
KL-4	146	146.5	0	0.39	0	0	0
KL-4	147	147.5	0	3.23	0.16	2342.92	0
KL-4	147.5	148	0	0.19	0	0	0
KL-4	148	148.5	0	0.21	0	0	0
KL-4	150.5	151	0.24	2.69	0	2335.83	0
KL-4	151	151.5	2.41	2.7	0	2334.48	895.99
KL-4	151.5	152	0.37	7.76	0.03	2341.81	948.39
KL-4	152	152.5	0	0	0	0	0
KL-4	152.5	153	0.59	1.37	0.07	2338.84	0
KL-4	153	153.5	0.15	0	0	2341.65	0
KL-4	153.5	154	0	0	0	0	0
KL-4	156	156.5	0	1.98	0	2341.68	0
KL-4	156.5	157	0.06	0.83	0	2329.67	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
KL-4	126	126.5	0	0	0	0	0
KL-4	129.5	130	0	0	0	0	0
KL-4	130	130.5	0	0	0	0	0
KL-4	130.5	131	0	0	0	0	0
KL-4	131	131.5	0	0	0	0	0
KL-4	131.5	132	0	0	0	0	0
KL-4	132	132.5	0	0	0	0	0
KL-4	132.5	133	0	0	0	0	0
KL-4	134.5	135	0	0	0	0	0
KL-4	135	135.5	0	0	0	0	0
KL-4	135.5	136	0	0	0	0	0
KL-4	136	136.5	0	0	0	0	0
KL-4	136.5	137	0	0	0	0	0
KL-4	139.5	140	0	0	0	0	0
KL-4	140	140.5	1.00071	0.49	2205.11	1.1	1.1
KL-4	140.5	141	0.99591	0	0	0	0
KL-4	141	141.5	0	0.4	2205.42	0	0
KL-4	141.5	142	0.99779	0	0	0	0
KL-4	145	145.5	0	0	0	0	0
KL-4	145.5	146	0	0	0	0	0
KL-4	146	146.5	0	0.34	2206.71	0	0
KL-4	147	147.5	0.99676	0.77	2204.83	0	4.23
KL-4	147.5	148	0.9998	0.48	2205.63	0	0
KL-4	148	148.5	0	0.38	2209.51	0	0
KL-4	150.5	151	0	0.77	2201.7	0	21.21
KL-4	151	151.5	0	0.53	2204.4	0	6.54
KL-4	151.5	152	0.99757	0.76	2204.12	1.44	5.4
KL-4	152	152.5	0	0	0	0	0
KL-4	152.5	153	0.99935	0.54	2204.42	0	11.86
KL-4	153	153.5	0	0	0	0	0
KL-4	153.5	154	0	0	0	0	0
KL-4	156	156.5	0.9951	0.5	2207.28	0	0
KL-4	156.5	157	0	0.37	2205.65	4.88	2.44

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
KL-4	126	126.5	0	0	0	0	0	0
KL-4	129.5	130	0	0	0	0	0	0
KL-4	130	130.5	0	0	0	0	0	0
KL-4	130.5	131	0	0	0	0	0	0
KL-4	131	131.5	0	0	0	0	0	0
KL-4	131.5	132	0	0	0	0	0	0
KL-4	132	132.5	0	0	0	0	0	0
KL-4	132.5	133	0	0	0	0	0	0
KL-4	134.5	135	0	0	0	0	0	0
KL-4	135	135.5	0	0	0	0	0	0
KL-4	135.5	136	0	0	0	0	0	0
KL-4	136	136.5	0	0	0	0	0	0
KL-4	136.5	137	0	0	0	0	0	0
KL-4	139.5	140	0	0	0	0	0	0
KL-4	140	140.5	87.91	6.59	3.3	0	0	0
KL-4	140.5	141	0	0	0	0	0	0
KL-4	141	141.5	83.33	16.67	0	0	0	0
KL-4	141.5	142	0	0	0	0	0	0
KL-4	145	145.5	0	0	0	0	0	0
KL-4	145.5	146	0	0	0	0	0	0
KL-4	146	146.5	100	0	0	0	0	0
KL-4	147	147.5	81.69	14.08	0	0	0	0
KL-4	147.5	148	87.5	12.5	0	2262.7	0	0
KL-4	148	148.5	0	100	0	0	0	0
KL-4	150.5	151	78.79	0	0	2256.67	0	0
KL-4	151	151.5	87.58	5.88	0	2257.12	0	0
KL-4	151.5	152	79.5	11.15	2.52	2255.17	0	6.9
KL-4	152	152.5	0	0	0	0	0	0
KL-4	152.5	153	83.05	5.08	0	2254	0	0
KL-4	153	153.5	0	0	0	0	0	0
KL-4	153.5	154	0	0	0	0	0	0
KL-4	156	156.5	66.67	33.33	0	0	0	0
KL-4	156.5	157	65.85	26.83	0	2262.1	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
KL-4	126	126.5	0	0
KL-4	129.5	130	0	0
KL-4	130	130.5	0	0
KL-4	130.5	131	0	0
KL-4	131	131.5	0	0
KL-4	131.5	132	0	0
KL-4	132	132.5	0	0
KL-4	132.5	133	0	0
KL-4	134.5	135	0	0
KL-4	135	135.5	0	0
KL-4	135.5	136	0	0
KL-4	136	136.5	0	0
KL-4	136.5	137	0	0
KL-4	139.5	140	0	0
KL-4	140	140.5	0	0
KL-4	140.5	141	0	0
KL-4	141	141.5	0	0
KL-4	141.5	142	0	0
KL-4	145	145.5	0	0
KL-4	145.5	146	0	0
KL-4	146	146.5	0	0
KL-4	147	147.5	0	0
KL-4	147.5	148	0	100
KL-4	148	148.5	0	0
KL-4	150.5	151	100	0
KL-4	151	151.5	61.54	38.46
KL-4	151.5	152	75.86	17.24
KL-4	152	152.5	0	0
KL-4	152.5	153	100	0
KL-4	153	153.5	0	0
KL-4	153.5	154	0	0
KL-4	156	156.5	0	0
KL-4	156.5	157	0	100

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
KL-4	157	157.5	972	0.1	12.65	0	6.58	5.76	0
KL-4	157.5	158	4721	0.55	2.58	0	3.09	2.37	0.02
KL-4	158	158.5	4174	0.17	22.35	0	0	8.1	0
KL-4	162	162.5	4623	0.17	6.88	0	0	72.46	0
KL-4	162.5	163	2110	0.14	32.32	0	0	1.37	0
KL-4	163	163.5	1048	11.64	9.06	0	0	2.1	0
KL-4	163.5	164	6152	2.71	68.29	0	0	9.23	0
KL-4	164	164.5	4407	3	32.52	0	0	0.91	0
KL-4	164.5	165	5408	0.22	29.2	0	0	25.04	0
KL-4	165	165.5	153	3.27	0	0	0	0	0
KL-4	167.5	168	5343	0.11	20.49	0	0	56.13	0
KL-4	168	168.5	6715	0.04	16.35	0	0	66.3	0
KL-4	168.5	169	6292	0.1	11.03	0	0	64.07	0
KL-4	169	169.5	6660	0	22.76	0	0	54.25	0
KL-4	169.5	170	6720	0.07	11.96	0	0	71	0
KL-4	170	170.5	5745	0.02	6.74	0	0	77.34	0
KL-4	170.5	171	6720	1.88	2.02	0	0	92.14	0
KL-4	171	171.5	6495	0.52	3.51	0	0	84.19	0.02
KL-4	171.5	172	6622	0	2.36	0	0	93.19	0
KL-4	172	172.5	550	0	0	0	0	98.73	0
KL-4	173	173.5	6728	0	1.92	0	0	91.87	0
KL-4	173.5	174	6635	0.12	5.12	0	0	79.11	0
KL-4	174	174.5	8559	0	4.44	0	0	79.09	0
KL-4	174.5	175	3526	0.03	5.45	0	0	77.25	0.2
KL-4	175	175.5	7822	0	0.95	0	0	95.87	0.09
KL-4	175.5	176	7155	0.03	22.95	0	0	49.8	0.01
KL-4	176	176.5	7782	0.08	29.92	0	0	43.43	0
KL-4	176.5	177	36	0	22.22	0	0	0	0
KL-4	177	177.5	3316	0.39	40.17	0	0	20.57	0
KL-4	177.5	178	8499	0.06	21.24	0	0	60.44	0
KL-4	178	178.5	8492	0.04	41	0	0	48.41	0
KL-4	178.5	179	8389	0.05	14.98	0	0	63.74	0
KL-4	179	179.5	8449	0.18	1.44	0	0	90.87	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
KL-4	157	157.5	0	0	1.34	0	1.13	77.98
KL-4	157.5	158	0	0	1	0	0.25	76.53
KL-4	158	158.5	0	0	0.07	0	0	1.37
KL-4	162	162.5	0	0	0	0.02	0	0
KL-4	162.5	163	0	0	0	0	0	0
KL-4	163	163.5	0	0	0	0	0	0
KL-4	163.5	164	0	0	0	0	0	0
KL-4	164	164.5	0	0	0	0	0	0
KL-4	164.5	165	0	0	0	0	0	0
KL-4	165	165.5	0	0	0	0	0	0
KL-4	167.5	168	0	0	0	0	0	0
KL-4	168	168.5	0	0	0	0	0	0
KL-4	168.5	169	0	0	0	0	0	0
KL-4	169	169.5	0	0	0	0	0	0.14
KL-4	169.5	170	0	0	0	0.01	0	1.04
KL-4	170	170.5	0	0	0	0.03	0	3.24
KL-4	170.5	171	0	0	0	0.01	0	0.65
KL-4	171	171.5	0	0	0	0	0	0.31
KL-4	171.5	172	0	0	0	0	0	0
KL-4	172	172.5	0	0	0	0	0	0
KL-4	173	173.5	0	0	0.09	0	0	5.81
KL-4	173.5	174	0	0	0.08	0.09	0	2.97
KL-4	174	174.5	0	0	0.02	0	0	0.02
KL-4	174.5	175	0	0	0	0.2	0	0.37
KL-4	175	175.5	0	0	0.01	0.1	0	2.05
KL-4	175.5	176	0	0	0	0.07	0	0
KL-4	176	176.5	0	0	0	0	0	0
KL-4	176.5	177	0	0	0	0	0	0
KL-4	177	177.5	0	0	0	0.03	0	0
KL-4	177.5	178	0	0	0	0	0	0
KL-4	178	178.5	0	0	0	0.01	0	0
KL-4	178.5	179	0	0	0	0	0	0
KL-4	179	179.5	0	0	0	0	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
KL-4	157	157.5	9.26	7.82	30.25	0	0	0
KL-4	157.5	158	11.48	6.31	11.8	0	0	1.65
KL-4	158	158.5	32.06	32.1	27.1	0	0	2.47
KL-4	162	162.5	0.67	13.87	6.97	0	0	0
KL-4	162.5	163	20.28	45.97	33.41	0	0	0.09
KL-4	163	163.5	18.03	0.38	68.89	0	0	0
KL-4	163.5	164	4.83	3.69	77.24	0	0	0
KL-4	164	164.5	7.08	53.12	36.49	0	0	0
KL-4	164.5	165	5.82	39.13	29.35	0	0	0
KL-4	165	165.5	0	96.73	0	0	0	0
KL-4	167.5	168	0.19	10.24	20.49	0	0	0
KL-4	168	168.5	0.06	6.7	16.35	0	0	0
KL-4	168.5	169	1.48	11.33	11.13	0	0	0
KL-4	169	169.5	8.42	6.31	22.93	0	0	0
KL-4	169.5	170	3.42	6.71	12.16	0	0	0
KL-4	170	170.5	11.04	1.39	7.03	0	0	0
KL-4	170.5	171	0.07	0	2.17	0	0	0
KL-4	171	171.5	1.91	2.36	3.51	0	0	0
KL-4	171.5	172	0.05	0.54	2.36	0	0	0
KL-4	172	172.5	1.27	0	0	0	0	0
KL-4	173	173.5	1.69	0.01	2.14	0	0	0
KL-4	173.5	174	5.49	1.57	6.16	0	0	0
KL-4	174	174.5	5.9	7.7	4.53	0	0	0
KL-4	174.5	175	10.32	5.08	5.98	0	0	0
KL-4	175	175.5	1.52	0.33	0.95	0	0	0
KL-4	175.5	176	11.21	9.71	22.95	0	0	0
KL-4	176	176.5	6.68	9.66	29.92	0	0	0
KL-4	176.5	177	41.67	36.11	22.22	0	0	0
KL-4	177	177.5	2.77	29.22	40.17	0	0	0
KL-4	177.5	178	0.48	5.45	21.24	0	0	0
KL-4	178	178.5	0.38	4	41	0	0	0
KL-4	178.5	179	0.76	8.75	14.98	0	0	0
KL-4	179	179.5	2.43	1.72	1.48	0	0	0

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
KL-4	157	157.5	0	0	0	2330.03	0
KL-4	157.5	158	0.06	0.02	0	2341.82	0
KL-4	158	158.5	0	0	0	0	0
KL-4	162	162.5	0	0	0	0	0
KL-4	162.5	163	0	0	0	0	0
KL-4	163	163.5	0	0	0	0	0
KL-4	163.5	164	0	0	0	0	0
KL-4	164	164.5	0	0	0	0	0
KL-4	164.5	165	0	0	0	0	0
KL-4	165	165.5	0	0	0	0	0
KL-4	167.5	168	0	0	0	0	0
KL-4	168	168.5	0	0	0	0	0
KL-4	168.5	169	0	0	0	0	0
KL-4	169	169.5	0	0	0	0	0
KL-4	169.5	170	0	0.15	0	0	0
KL-4	170	170.5	0	0.64	0	0	0
KL-4	170.5	171	0	0.06	0	0	0
KL-4	171	171.5	0	0.22	0	0	0
KL-4	171.5	172	0	0.02	0	0	0
KL-4	172	172.5	0	0	0	0	0
KL-4	173	173.5	0	2.05	0	0	0
KL-4	173.5	174	0	1.48	0	0	0
KL-4	174	174.5	0	0.21	0.01	0	0
KL-4	174.5	175	0	2.58	0.09	0	0
KL-4	175	175.5	0	6.35	0.14	0	0
KL-4	175.5	176	0	0.22	0	0	0
KL-4	176	176.5	0	0	0	0	0
KL-4	176.5	177	0	0	0	0	0
KL-4	177	177.5	0	0	0	0	0
KL-4	177.5	178	0	0	0	0	0
KL-4	178	178.5	0	0	0	0	0
KL-4	178.5	179	0	0	0	0	0
KL-4	179	179.5	0	0	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
KL-4	157	157.5	0	0	0	0	0
KL-4	157.5	158	0	0.36	2209.04	0	0
KL-4	158	158.5	0	0	0	0	0
KL-4	162	162.5	0.99818	0	0	0	0
KL-4	162.5	163	0	0	0	0	0
KL-4	163	163.5	0	0	0	0	0
KL-4	163.5	164	0	0	0	0	0
KL-4	164	164.5	0	0	0	0	0
KL-4	164.5	165	0	0	0	0	0
KL-4	165	165.5	0	0	0	0	0
KL-4	167.5	168	0	0	0	0	0
KL-4	168	168.5	0	0	0	0	0
KL-4	168.5	169	0	0	0	0	0
KL-4	169	169.5	0	0	0	0	0
KL-4	169.5	170	1.00094	0.6	2206.2	0	10
KL-4	170	170.5	0.99767	0.59	2205.41	0	5.41
KL-4	170.5	171	0.99721	0.47	2204.68	0	0
KL-4	171	171.5	0	0.69	2205.64	0	0
KL-4	171.5	172	0	0.14	2201.1	0	0
KL-4	172	172.5	0	0	0	0	0
KL-4	173	173.5	0	0.57	2204.8	0	5.71
KL-4	173.5	174	0.99797	0.52	2205.83	1.03	3.09
KL-4	174	174.5	0	0.5	2203.6	5.56	5.56
KL-4	174.5	175	0.99913	0.5	2204.41	2.27	9.09
KL-4	175	175.5	0.99859	0.56	2204.65	1.19	4.75
KL-4	175.5	176	0.99563	0.47	2204.15	0	0
KL-4	176	176.5	0	0	0	0	0
KL-4	176.5	177	0	0	0	0	0
KL-4	177	177.5	1.00071	0	0	0	0
KL-4	177.5	178	0	0	0	0	0
KL-4	178	178.5	1.0024	0	0	0	0
KL-4	178.5	179	0	0	0	0	0
KL-4	179	179.5	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
KL-4	157	157.5	0	0	0	0	0	0
KL-4	157.5	158	0	100	0	2255.68	0	0
KL-4	158	158.5	0	0	0	0	0	0
KL-4	162	162.5	0	0	0	0	0	0
KL-4	162.5	163	0	0	0	0	0	0
KL-4	163	163.5	0	0	0	0	0	0
KL-4	163.5	164	0	0	0	0	0	0
KL-4	164	164.5	0	0	0	0	0	0
KL-4	164.5	165	0	0	0	0	0	0
KL-4	165	165.5	0	0	0	0	0	0
KL-4	167.5	168	0	0	0	0	0	0
KL-4	168	168.5	0	0	0	0	0	0
KL-4	168.5	169	0	0	0	0	0	0
KL-4	169	169.5	0	0	0	0	0	0
KL-4	169.5	170	50	40	0	0	0	0
KL-4	170	170.5	75.68	18.92	0	0	0	0
KL-4	170.5	171	100	0	0	0	0	0
KL-4	171	171.5	100	0	0	2259.96	0	0
KL-4	171.5	172	100	0	0	0	0	0
KL-4	172	172.5	0	0	0	0	0	0
KL-4	173	173.5	80	13.57	0.71	0	0	0
KL-4	173.5	174	72.16	23.71	0	0	0	0
KL-4	174	174.5	77.78	11.11	0	0	0	0
KL-4	174.5	175	76.14	12.5	0	2262.02	0	0
KL-4	175	175.5	84.95	7.72	1.39	2260.46	0	0
KL-4	175.5	176	100	0	0	2259.64	0	0
KL-4	176	176.5	0	0	0	0	0	0
KL-4	176.5	177	0	0	0	0	0	0
KL-4	177	177.5	0	0	0	0	0	0
KL-4	177.5	178	0	0	0	0	0	0
KL-4	178	178.5	0	0	0	0	0	0
KL-4	178.5	179	0	0	0	0	0	0
KL-4	179	179.5	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
KL-4	157	157.5	0	0
KL-4	157.5	158	100	0
KL-4	158	158.5	0	0
KL-4	162	162.5	0	0
KL-4	162.5	163	0	0
KL-4	163	163.5	0	0
KL-4	163.5	164	0	0
KL-4	164	164.5	0	0
KL-4	164.5	165	0	0
KL-4	165	165.5	0	0
KL-4	167.5	168	0	0
KL-4	168	168.5	0	0
KL-4	168.5	169	0	0
KL-4	169	169.5	0	0
KL-4	169.5	170	0	0
KL-4	170	170.5	0	0
KL-4	170.5	171	0	0
KL-4	171	171.5	0	100
KL-4	171.5	172	0	0
KL-4	172	172.5	0	0
KL-4	173	173.5	0	0
KL-4	173.5	174	0	0
KL-4	174	174.5	0	0
KL-4	174.5	175	0	100
KL-4	175	175.5	20	80
KL-4	175.5	176	0	100
KL-4	176	176.5	0	0
KL-4	176.5	177	0	0
KL-4	177	177.5	0	0
KL-4	177.5	178	0	0
KL-4	178	178.5	0	0
KL-4	178.5	179	0	0
KL-4	179	179.5	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
KL-4	179.5	180	8936	0.07	2.22	0	0	88.21	0
KL-4	180	180.5	8544	0.04	5.7	0	0	73.85	0
KL-4	180.5	181	7374	0.04	12.99	0	0	61.8	0
KL-4	181.5	182	4401	0.25	4.95	0	0	78.64	0
KL-4	182	182.5	5085	0	21.36	0	0	57.11	0
KL-4	182.5	183	8858	0.03	21.96	0	0	58.94	0
KL-4	183	183.5	7637	1.95	26	0.16	8.96	35.52	0
KL-4	183.5	184	8287	0.07	23.11	0	0	45.18	0.01
KL-4	184	184.5	2920	0.07	15.03	0	0	49.25	0
KL-4	185.5	186	4640	0	13.41	0	0	72.26	0
KL-4	186	186.5	6909	0.06	44.03	0.03	0.49	10.54	0
KL-4	186.5	187	7140	0.08	33.82	0	0	30.21	0
KL-4	187	187.5	5876	0.39	33.08	0.1	1.63	14.77	0.02
KL-4	187.5	188	6647	0.2	31.62	0	0	16.05	0
KL-4	188	188.5	7182	0.26	45.54	0	0	4.01	0
KL-4	188.5	189	7568	0.7	44.44	0	0	12.21	0
KL-4	189	189.5	4310	0.14	53.06	0	0	16.4	0
KL-4	189.5	190	512	0	34.18	0	0	16.8	0
KL-4	190	190.5	5380	0.11	50.11	0	0	15.95	0
KL-4	190.5	191	2599	0.31	53.67	0	0	3.96	0
KL-4	191	191.5	5944	0.52	10.26	0	0	61.66	0
KL-4	191.5	192	6993	0.17	9.67	0	0	63.62	0
KL-4	192	192.5	7866	0.15	10.91	0	0	67.45	0
KL-4	192.5	193	6900	3.86	8.71	0	0	62.83	0
KL-4	194	194.5	6794	1.94	12.75	0	0	60.44	0
KL-4	194.5	195	7565	0.03	34.63	0	0	34.78	0
KL-4	195	195.5	5709	0.19	34.02	0	0	35.05	0
KL-4	195.5	196	7272	0.21	49.94	0	0	14.43	0
KL-4	196	196.5	8876	0.14	55.25	0	0	3.52	0
KL-4	196.5	197	8583	0.23	58.8	0	0	12.65	0
KL-4	197	197.5	9376	0.3	36.72	0	0	44.46	0
KL-4	197.5	198	3894	0	28.04	0	0	52.34	0
KL-4	198	198.5	8584	0.07	26.18	0	0	45.5	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
KL-4	179.5	180	0	0	0	0	0	0
KL-4	180	180.5	0	0	0	0.01	0	0
KL-4	180.5	181	0	0	0	0	0	0
KL-4	181.5	182	0	0	0	0.02	0	0
KL-4	182	182.5	0	0	0	0	0	0
KL-4	182.5	183	0	0	0	0.01	0	0
KL-4	183	183.5	0	0	0.07	0.01	0.01	2.3
KL-4	183.5	184	0	0	0	0.01	0	0
KL-4	184	184.5	0	0	0	0	0	0
KL-4	185.5	186	0	0	0	0	0	0
KL-4	186	186.5	0	0	1.94	0	0	12.71
KL-4	186.5	187	0	0	0	0	0	0
KL-4	187	187.5	0	0	0.02	0	0.05	5.36
KL-4	187.5	188	0	0	0	0	0	0
KL-4	188	188.5	0	0	0	0	0	0
KL-4	188.5	189	0	0	0	0	0	0
KL-4	189	189.5	0	0	0	0	0	0
KL-4	189.5	190	0	0	0	0	0	0
KL-4	190	190.5	0	0	0	0	0	0
KL-4	190.5	191	0	0	0	0	0	0
KL-4	191	191.5	0	0	0	0	0	0.17
KL-4	191.5	192	0	0	0	0	0	0
KL-4	192	192.5	0	0	0	0	0	0
KL-4	192.5	193	0	0	0	0	0	0
KL-4	194	194.5	0	0	0	0	0	0
KL-4	194.5	195	0	0	0	0	0	0
KL-4	195	195.5	0	0	0	0	0	0
KL-4	195.5	196	0	0	0	0	0	0
KL-4	196	196.5	0	0	0	0	0	0
KL-4	196.5	197	0	0	0	0	0	0
KL-4	197	197.5	0	0	0.04	0	0	0.16
KL-4	197.5	198	0	0	0	0	0	0
KL-4	198	198.5	0	0	0	0	0	0.02

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
KL-4	179.5	180	0.92	0.54	2.22	0	0	0
KL-4	180	180.5	7.05	3.55	5.7	0	0	0
KL-4	180.5	181	16.76	6.81	12.99	0	0	0.03
KL-4	181.5	182	7.59	2.2	4.95	0	0	0
KL-4	182	182.5	3.26	2.03	21.38	0	0	0
KL-4	182.5	183	0.14	6.31	21.96	0	0	0
KL-4	183	183.5	5.98	13.57	29.71	0	0	0.18
KL-4	183.5	184	18.32	15.48	23.18	0	0	0
KL-4	184	184.5	13.8	16.1	15.17	0	0	0
KL-4	185.5	186	6.38	0.19	13.41	0	0	0
KL-4	186	186.5	15.68	26.6	48.08	0	0	0.65
KL-4	186.5	187	7.09	20.04	34.65	0	0	0
KL-4	187	187.5	7.16	29.53	40.84	0	0	3.93
KL-4	187.5	188	15.12	35.87	32	0	0	0.02
KL-4	188	188.5	12.16	36.4	45.57	0	0	0
KL-4	188.5	189	11.88	24.76	44.75	0.07	0	0
KL-4	189	189.5	12.51	11.9	53.13	0	0	0
KL-4	189.5	190	47.46	6.25	34.18	0	0	0
KL-4	190	190.5	3.83	24.67	50.26	0	0	0
KL-4	190.5	191	2.85	37.21	55.41	0	0	0
KL-4	191	191.5	5.47	10.53	13.51	0	0	0
KL-4	191.5	192	2.17	17.05	12.04	0	0	0
KL-4	192	192.5	2.4	3.84	12.1	0	0	0
KL-4	192.5	193	5.42	2.33	10.43	2.74	0	0
KL-4	194	194.5	3.78	1.37	16.41	0.93	0	0
KL-4	194.5	195	6.03	9.28	35.84	0	0	0
KL-4	195	195.5	4.22	4.75	39.41	0	0	0
KL-4	195.5	196	10.01	21.75	51.06	0	0	0
KL-4	196	196.5	6.66	31.96	56.26	0	0	0
KL-4	196.5	197	1.08	21.59	59.06	0	0	0
KL-4	197	197.5	0.55	5.68	36.72	0	0	0
KL-4	197.5	198	1.75	0.8	28.12	0	0	0
KL-4	198	198.5	0.59	16.52	26.43	0	0	0

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
KL-4	179.5	180	0	0	0	0	0
KL-4	180	180.5	0	0	0	0	0
KL-4	180.5	181	0	0	0	0	0
KL-4	181.5	182	0	0	0	0	0
KL-4	182	182.5	0	0	0	0	0
KL-4	182.5	183	0	0	0	0	0
KL-4	183	183.5	0.93	0.63	0.01	2335.67	0
KL-4	183.5	184	0	0	0	0	0
KL-4	184	184.5	0	0	0	0	0
KL-4	185.5	186	0	0	0	0	0
KL-4	186	186.5	0	0	0	2342.84	0
KL-4	186.5	187	0	0	0	0	0
KL-4	187	187.5	1.16	0.73	0	2342.23	0
KL-4	187.5	188	0	0	0	0	0
KL-4	188	188.5	0	0	0	0	0
KL-4	188.5	189	0	0	0	0	0
KL-4	189	189.5	0	0	0	0	0
KL-4	189.5	190	0	0	0	0	0
KL-4	190	190.5	0	0	0	0	0
KL-4	190.5	191	0	0	0	0	0
KL-4	191	191.5	0	0	0	0	0
KL-4	191.5	192	0	0	0	0	0
KL-4	192	192.5	0	0	0	0	0
KL-4	192.5	193	0	0	0	0	0
KL-4	194	194.5	0	0	0	0	0
KL-4	194.5	195	0	0	0	0	0
KL-4	195	195.5	0	0	0	0	0
KL-4	195.5	196	0	0	0	0	0
KL-4	196	196.5	0	0	0	0	0
KL-4	196.5	197	0	0	0	0	0
KL-4	197	197.5	0	0	0	0	0
KL-4	197.5	198	0	0	0	0	0
KL-4	198	198.5	0	0	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
KL-4	179.5	180	0	0	0	0	0
KL-4	180	180.5	0.99923	0	0	0	0
KL-4	180.5	181	0	0	0	0	0
KL-4	181.5	182	0.99758	0	0	0	0
KL-4	182	182.5	0	0	0	0	0
KL-4	182.5	183	0.99837	0	0	0	0
KL-4	183	183.5	0.99484	0.45	2202.8	4.17	16.67
KL-4	183.5	184	0.99483	0	0	0	0
KL-4	184	184.5	0	0	0	0	0
KL-4	185.5	186	0	0	0	0	0
KL-4	186	186.5	0	0	0	0	0
KL-4	186.5	187	0	0	0	0	0
KL-4	187	187.5	0	0.68	2205.71	4.65	0
KL-4	187.5	188	0	0	0	0	0
KL-4	188	188.5	0	0	0	0	0
KL-4	188.5	189	0	0	0	0	0
KL-4	189	189.5	0	0	0	0	0
KL-4	189.5	190	0	0	0	0	0
KL-4	190	190.5	0	0	0	0	0
KL-4	190.5	191	0	0	0	0	0
KL-4	191	191.5	0	0	0	0	0
KL-4	191.5	192	0	0	0	0	0
KL-4	192	192.5	0	0	0	0	0
KL-4	192.5	193	0	0	0	0	0
KL-4	194	194.5	0	0	0	0	0
KL-4	194.5	195	0	0	0	0	0
KL-4	195	195.5	0	0	0	0	0
KL-4	195.5	196	0	0	0	0	0
KL-4	196	196.5	0	0	0	0	0
KL-4	196.5	197	0	0	0	0	0
KL-4	197	197.5	0	0	0	0	0
KL-4	197.5	198	0	0	0	0	0
KL-4	198	198.5	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
KL-4	179.5	180	0	0	0	0	0	0
KL-4	180	180.5	0	0	0	0	0	0
KL-4	180.5	181	0	0	0	0	0	0
KL-4	181.5	182	0	0	0	0	0	0
KL-4	182	182.5	0	0	0	0	0	0
KL-4	182.5	183	0	0	0	0	0	0
KL-4	183	183.5	64.58	14.58	0	0	0	0
KL-4	183.5	184	0	0	0	0	0	0
KL-4	184	184.5	0	0	0	0	0	0
KL-4	185.5	186	0	0	0	0	0	0
KL-4	186	186.5	0	0	0	0	0	0
KL-4	186.5	187	0	0	0	0	0	0
KL-4	187	187.5	81.4	13.95	0	2262.83	0	0
KL-4	187.5	188	0	0	0	0	0	0
KL-4	188	188.5	0	0	0	0	0	0
KL-4	188.5	189	0	0	0	0	0	0
KL-4	189	189.5	0	0	0	0	0	0
KL-4	189.5	190	0	0	0	0	0	0
KL-4	190	190.5	0	0	0	0	0	0
KL-4	190.5	191	0	0	0	0	0	0
KL-4	191	191.5	0	0	0	0	0	0
KL-4	191.5	192	0	0	0	0	0	0
KL-4	192	192.5	0	0	0	0	0	0
KL-4	192.5	193	0	0	0	0	0	0
KL-4	194	194.5	0	0	0	0	0	0
KL-4	194.5	195	0	0	0	0	0	0
KL-4	195	195.5	0	0	0	0	0	0
KL-4	195.5	196	0	0	0	0	0	0
KL-4	196	196.5	0	0	0	0	0	0
KL-4	196.5	197	0	0	0	0	0	0
KL-4	197	197.5	0	0	0	0	0	0
KL-4	197.5	198	0	0	0	0	0	0
KL-4	198	198.5	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
KL-4	179.5	180	0	0
KL-4	180	180.5	0	0
KL-4	180.5	181	0	0
KL-4	181.5	182	0	0
KL-4	182	182.5	0	0
KL-4	182.5	183	0	0
KL-4	183	183.5	0	0
KL-4	183.5	184	0	0
KL-4	184	184.5	0	0
KL-4	185.5	186	0	0
KL-4	186	186.5	0	0
KL-4	186.5	187	0	0
KL-4	187	187.5	0	100
KL-4	187.5	188	0	0
KL-4	188	188.5	0	0
KL-4	188.5	189	0	0
KL-4	189	189.5	0	0
KL-4	189.5	190	0	0
KL-4	190	190.5	0	0
KL-4	190.5	191	0	0
KL-4	191	191.5	0	0
KL-4	191.5	192	0	0
KL-4	192	192.5	0	0
KL-4	192.5	193	0	0
KL-4	194	194.5	0	0
KL-4	194.5	195	0	0
KL-4	195	195.5	0	0
KL-4	195.5	196	0	0
KL-4	196	196.5	0	0
KL-4	196.5	197	0	0
KL-4	197	197.5	0	0
KL-4	197.5	198	0	0
KL-4	198	198.5	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
KL-4	198.5	199	8583	0.22	55.91	0	0	9.98	0
KL-4	199	199.5	3514	0.03	19.01	0.09	3.47	54.81	0
KL-4	199.5	200	7509	0.8	4.69	0.04	1.78	68.2	0
KL-4	200	200.5	5736	0.16	10.6	0	0.28	52.39	0
KL-4	200.5	201	6250	0.16	18.51	0	0	50.67	0
KL-4	201	201.5	1057	0	17.88	0	0	52.13	0
KL-4	201.5	202	5695	1.11	12.36	0	0.02	68.22	0
KL-4	202	202.5	8955	0	1.85	0.11	1.81	82.3	0
KL-4	202.5	203	8214	1.07	13.14	0	0.84	57.65	0.04
KL-4	203	203.5	8014	1.97	27.18	0	0	24.07	0
KL-4	203.5	204	3430	0.82	43.27	0	0	2.48	0
KL-4	205.5	206	7334	0.59	10.68	0	0	23.82	0
KL-4	206	206.5	8229	3.62	18.17	0	0	13.38	0
KL-4	206.5	207	8669	2.18	21.2	0	0	19.78	0
KL-4	207	207.5	7748	1.41	13.2	0	0	23.24	0
KL-4	207.5	208	2957	4.73	11.6	0	0	8.32	0
KL-4	209	209.5	2535	1.26	2.13	0	0	3.51	0
KL-4	209.5	210	9361	2.06	10.45	0	1.09	36.4	0
KL-4	210	210.5	6690	1.54	7.12	0	0	27.76	0
KL-4	210.5	211	6204	1.19	12.23	0	0	11.41	0
KL-4	211	211.5	6989	1.83	23.97	0	0	8.1	0
KL-4	211.5	212	7643	9.42	17.23	0	0	18.25	0
KL-4	212	212.5	7435	8.31	6.68	0	0	1.32	0
KL-4	212.5	213	2140	16.31	0.33	0	0	0.47	0
KL-4	213	213.5	13985	1.05	1.14	0.02	0.08	64.71	0.01
KL-4	213.5	214	16830	0.02	2.28	0.1	0.87	89.73	0
KL-4	214	214.5	14601	0.2	2.09	0.14	0.41	81.8	0
KL-4	214.5	215	15116	0.11	0.04	0.03	0	93.88	0.01
KL-4	215	215.5	8781	0.06	0.02	0.02	0.54	76.26	0
KL-4	215.5	216	16069	0.04	0.35	0.07	0.14	94.61	0
KL-4	216	216.5	15835	0.42	11.18	0	0	67	0
KL-4	216.5	217	14869	0.23	15.81	0	0.01	66.6	0
KL-4	217	217.5	6207	0.66	46.13	0	0	29.68	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
KL-4	198.5	199	0	0	0	0	0	0
KL-4	199	199.5	0	0	0	0	0	0.2
KL-4	199.5	200	0	0	0	0	0	0.61
KL-4	200	200.5	0	0	0	0.02	0	1.31
KL-4	200.5	201	0	0	0.93	0	0	0.14
KL-4	201	201.5	0	0	0.38	0	0	0
KL-4	201.5	202	0	0	0	0	0	0
KL-4	202	202.5	0	0	0.01	0.01	0	2.47
KL-4	202.5	203	0	0	0.11	0.01	0	2.85
KL-4	203	203.5	0	0	0	0	0	0
KL-4	203.5	204	0	0	0	0	0	0
KL-4	205.5	206	0	0	0	0	0	0
KL-4	206	206.5	0	0	0	0	0	0
KL-4	206.5	207	0	0	0	0	0	0.24
KL-4	207	207.5	0	0	0	0	0	0
KL-4	207.5	208	0	0	0	0	0	0
KL-4	209	209.5	0	0	0	0	0	0
KL-4	209.5	210	0	0	0.04	0.05	0	1.79
KL-4	210	210.5	0	0.07	0.01	0	0	0
KL-4	210.5	211	0	0.06	0	0	0	0.03
KL-4	211	211.5	0	0.07	0	0	0	0.03
KL-4	211.5	212	0	0.47	0	0	0	0
KL-4	212	212.5	0	3.07	0	0	0	0
KL-4	212.5	213	0	0	0	0	0	0
KL-4	213	213.5	0	0	0.13	0.04	0	0.46
KL-4	213.5	214	0	0	0	0.07	0	0.72
KL-4	214	214.5	0	0	0	0.01	0	0.21
KL-4	214.5	215	0	0	0	0.01	0	0.04
KL-4	215	215.5	0	0	0.15	0.07	0	0.22
KL-4	215.5	216	0	0	0	0.02	0	0.02
KL-4	216	216.5	0	0	0	0	0	0
KL-4	216.5	217	0	0	0	0	0	0
KL-4	217	217.5	0	0	0	0	0	0.02

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
KL-4	198.5	199	3.79	19.81	60.83	0	0	0
KL-4	199	199.5	5.15	2.08	29.28	0	0	0.6
KL-4	199.5	200	5.93	2.41	11.89	0	0	1.58
KL-4	200	200.5	4.18	16.47	13.21	0	0	0.71
KL-4	200.5	201	5.58	10.05	18.75	0	0	0
KL-4	201	201.5	7.95	9.84	17.88	0	0	0
KL-4	201.5	202	1.19	0.86	16.82	0.04	0	0.14
KL-4	202	202.5	0.59	2.17	7.49	0	0	0.16
KL-4	202.5	203	4.47	3.76	19.97	0	0	0.73
KL-4	203	203.5	15.5	13.29	37.2	0	0	0
KL-4	203.5	204	6.27	39.13	53.06	0	0	0
KL-4	205.5	206	36.43	23.29	14.44	0	0	0.25
KL-4	206	206.5	33.11	17.71	28.27	0.44	0	0.26
KL-4	206.5	207	29.09	6.18	38.93	0.14	0	0.62
KL-4	207	207.5	20.92	35.88	16.38	0.05	0	0.04
KL-4	207.5	208	27.66	43.56	15.59	1.89	0	1.01
KL-4	209	209.5	49.19	37.16	8.56	0.28	0	0.47
KL-4	209.5	210	28.31	3.63	21.3	0.12	0	3.98
KL-4	210	210.5	34.6	22.33	10.34	0.15	0	1.64
KL-4	210.5	211	40.7	30.43	17.01	0.5	0	2.9
KL-4	211	211.5	37.5	22.11	28.23	0.04	0	1.36
KL-4	211.5	212	33.68	9.7	23.76	1.3	0	1.36
KL-4	212	212.5	48	30.1	9.76	1.86	0	0.66
KL-4	212.5	213	37.94	19.91	10.61	15.19	0	0
KL-4	213	213.5	11.94	17.43	3.55	0.16	0	0.68
KL-4	213.5	214	0.77	2.35	4.37	0	0	0.01
KL-4	214	214.5	2.41	7.36	3.68	0	0	0.05
KL-4	214.5	215	0.51	2.12	0.24	0	0	0.05
KL-4	215	215.5	9.42	11.34	0.32	0	0	0.07
KL-4	215.5	216	1.01	0.77	0.45	0	0	0.01
KL-4	216	216.5	5.72	12.36	11.22	0	0	0
KL-4	216.5	217	1.14	4.84	16.5	0	0	0.11
KL-4	217	217.5	5.67	7.62	46.29	0.02	0	0.05

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
KL-4	198.5	199	0	0	0	0	0
KL-4	199	199.5	0.03	0.03	0	2342.96	0
KL-4	199.5	200	1.45	0	0	2335.13	0
KL-4	200	200.5	0	0.12	0	2346	0
KL-4	200.5	201	0	0	0	0	0
KL-4	201	201.5	0	0	0	0	0
KL-4	201.5	202	0	0.05	0	0	0
KL-4	202	202.5	0.06	4.18	0.06	2343.79	0
KL-4	202.5	203	0.02	0.01	0	2334.77	0
KL-4	203	203.5	0	0	0	0	0
KL-4	203.5	204	0	0	0	0	0
KL-4	205.5	206	0	0	0	0	0
KL-4	206	206.5	0	0	0	0	0
KL-4	206.5	207	0	0.01	0	0	0
KL-4	207	207.5	0	0.01	0	0	0
KL-4	207.5	208	0	0	0	0	0
KL-4	209	209.5	0	0	0	0	0
KL-4	209.5	210	0.04	0	0	2346.42	0
KL-4	210	210.5	0	0	0	0	936.8
KL-4	210.5	211	0	0	0	0	964
KL-4	211	211.5	0.04	0	0	0	966.5
KL-4	211.5	212	0	0	0	0	955.52
KL-4	212	212.5	0	0	0	0	941.73
KL-4	212.5	213	0	0	0	0	0
KL-4	213	213.5	0	0.22	0	2345.6	0
KL-4	213.5	214	0	0.21	0	2329.57	0
KL-4	214	214.5	0	0.06	0	2330.16	0
KL-4	214.5	215	0	0.03	0	2348	0
KL-4	215	215.5	0	0.22	0	2331.63	0
KL-4	215.5	216	0	0.02	0	2341.76	0
KL-4	216	216.5	0	0	0	0	0
KL-4	216.5	217	0	0	0	0	0
KL-4	217	217.5	0	0	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
KL-4	198.5	199	0	0	0	0	0
KL-4	199	199.5	0	0.14	2200.48	0	0
KL-4	199.5	200	0	0	0	0	0
KL-4	200	200.5	0.99762	0.38	2205.77	0	14.29
KL-4	200.5	201	0	0	0	0	0
KL-4	201	201.5	0	0	0	0	0
KL-4	201.5	202	0	0.3	2204.69	0	20
KL-4	202	202.5	0.99601	0.93	2205.24	0.27	1.34
KL-4	202.5	203	0.99804	0.34	2204	0	0
KL-4	203	203.5	0	0	0	0	0
KL-4	203.5	204	0	0	0	0	0
KL-4	205.5	206	0	0	0	0	0
KL-4	206	206.5	0	0	0	0	0
KL-4	206.5	207	0	0.18	2199.24	0	100
KL-4	207	207.5	0	0	0	0	0
KL-4	207.5	208	0	0	0	0	0
KL-4	209	209.5	0	0	0	0	0
KL-4	209.5	210	1.005	0	0	0	0
KL-4	210	210.5	0	0	0	0	0
KL-4	210.5	211	0	0	0	0	0
KL-4	211	211.5	0	0	0	0	0
KL-4	211.5	212	0	0	0	0	0
KL-4	212	212.5	0	0	0	0	0
KL-4	212.5	213	0	0	0	0	0
KL-4	213	213.5	0.99775	0.22	2203.18	12.5	25
KL-4	213.5	214	0.99848	0.25	2211.39	0	11.11
KL-4	214	214.5	0.99782	0.24	2202.51	16.67	0
KL-4	214.5	215	0.99887	0.34	2213.82	0	20
KL-4	215	215.5	0.99717	0.29	2204.85	0	0
KL-4	215.5	216	0.99905	0.29	2209.6	0	0
KL-4	216	216.5	0	0	0	0	0
KL-4	216.5	217	0	0	0	0	0
KL-4	217	217.5	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
KL-4	198.5	199	0	0	0	0	0	0
KL-4	199	199.5	100	0	0	0	0	0
KL-4	199.5	200	0	0	0	0	0	0
KL-4	200	200.5	42.86	42.86	0	0	0	0
KL-4	200.5	201	0	0	0	0	0	0
KL-4	201	201.5	0	0	0	0	0	0
KL-4	201.5	202	40	40	0	0	0	0
KL-4	202	202.5	93.32	5.08	0	0	0	0
KL-4	202.5	203	100	0	0	0	0	0
KL-4	203	203.5	0	0	0	0	0	0
KL-4	203.5	204	0	0	0	0	0	0
KL-4	205.5	206	0	0	0	0	0	0
KL-4	206	206.5	0	0	0	0	0	0
KL-4	206.5	207	0	0	0	0	0	0
KL-4	207	207.5	0	0	0	0	0	0
KL-4	207.5	208	0	0	0	0	0	0
KL-4	209	209.5	0	0	0	0	0	0
KL-4	209.5	210	0	0	0	0	0	0
KL-4	210	210.5	0	0	0	0	0	0
KL-4	210.5	211	0	0	0	0	0	0
KL-4	211	211.5	0	0	0	0	0	0
KL-4	211.5	212	0	0	0	0	0	0
KL-4	212	212.5	0	0	0	0	0	0
KL-4	212.5	213	0	0	0	0	0	0
KL-4	213	213.5	41.67	20.83	0	0	0	0
KL-4	213.5	214	11.11	59.26	18.52	0	0	0
KL-4	214	214.5	66.67	16.67	0	0	0	0
KL-4	214.5	215	20	0	60	2238.48	50	50
KL-4	215	215.5	94.74	5.26	0	0	0	0
KL-4	215.5	216	33.33	66.67	0	0	0	0
KL-4	216	216.5	0	0	0	0	0	0
KL-4	216.5	217	0	0	0	0	0	0
KL-4	217	217.5	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
KL-4	198.5	199	0	0
KL-4	199	199.5	0	0
KL-4	199.5	200	0	0
KL-4	200	200.5	0	0
KL-4	200.5	201	0	0
KL-4	201	201.5	0	0
KL-4	201.5	202	0	0
KL-4	202	202.5	0	0
KL-4	202.5	203	0	0
KL-4	203	203.5	0	0
KL-4	203.5	204	0	0
KL-4	205.5	206	0	0
KL-4	206	206.5	0	0
KL-4	206.5	207	0	0
KL-4	207	207.5	0	0
KL-4	207.5	208	0	0
KL-4	209	209.5	0	0
KL-4	209.5	210	0	0
KL-4	210	210.5	0	0
KL-4	210.5	211	0	0
KL-4	211	211.5	0	0
KL-4	211.5	212	0	0
KL-4	212	212.5	0	0
KL-4	212.5	213	0	0
KL-4	213	213.5	0	0
KL-4	213.5	214	0	0
KL-4	214	214.5	0	0
KL-4	214.5	215	0	0
KL-4	215	215.5	0	0
KL-4	215.5	216	0	0
KL-4	216	216.5	0	0
KL-4	216.5	217	0	0
KL-4	217	217.5	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
KL-4	217.5	218	14956	0.47	0.21	0	0	93.81	0
KL-4	218	218.5	13945	0.09	0.8	0	1.07	86.22	0.06
KL-4	218.5	219	15140	0.08	0.04	0	0.68	90.28	0
KL-4	219	219.5	15898	0.04	6.26	0	0.06	83.58	0
KL-4	219.5	220	10598	0.48	0.21	0	0	92.69	0
KL-4	220	220.5	15349	0.18	1.08	0	1.28	85.97	0.02
KL-4	220.5	221	16397	0	0.26	0	0.01	95.73	0
KL-4	221	221.5	15185	0.43	0.2	0	0	90.02	0
KL-4	221.5	222	8723	0	0.02	0	0	95.12	0
KL-4	222	222.5	16516	0	0	0	0	98.79	0
KL-4	222.5	223	17004	0.41	0	0	0	98.54	0
KL-4	223	223.5	15658	0.06	3.66	0	0	81.3	0
KL-4	223.5	224	4255	0.24	30.13	0	0	13.37	0
KL-4	224	224.5	17802	0.2	1.4	0.13	1.07	88.37	0
KL-4	224.5	225	18516	0.15	0.01	0	0	97.28	0
KL-4	225	225.5	18870	0.22	8.91	0	0.02	80.95	0
KL-4	225.5	226	16536	0.07	20.1	0	0	72.13	0
KL-4	226	226.5	19041	0.24	12.72	0	0	60.66	0
KL-4	226.5	227	20682	0.14	18.95	0	0	68.45	0
KL-4	227	227.5	20385	0.28	2.83	0	0	89.42	0
KL-4	227.5	228	12669	0.04	4.12	0	0.01	90.5	0
KL-4	228	228.5	20428	0.2	8.27	0.01	0.21	76.93	0
KL-4	228.5	229	20107	0.57	4.64	0	0	85.65	0
KL-4	229	229.5	12162	0.44	33.37	0	0	46.69	0
KL-4	229.5	230	18212	0.2	8.13	0	0	66.01	0
KL-4	230	230.5	17982	0.21	5.13	0	0	70.24	0
KL-4	230.5	231	18019	0.07	0.93	0	0	92.36	0
KL-4	231	231.5	11396	0.08	55.16	0	0	20.68	0
KL-4	231.5	232	19473	0.03	40.59	0	0	42.23	0
KL-4	232	232.5	20726	0.11	50.11	0	0	38.71	0
KL-4	232.5	233	7738	1.23	2.99	0	0	86.13	0
KL-4	233	233.5	17469	0.53	55.45	0	0	18.41	0
KL-4	233.5	234	18015	0.04	30.46	0	0	46.57	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
KL-4	217.5	218	0	0	0	0	0	0.21
KL-4	218	218.5	0	0	0	0.01	0	0.3
KL-4	218.5	219	0	0	0	0	0	0
KL-4	219	219.5	0	0	0	0.01	0	0
KL-4	219.5	220	0	0	0	0	0	0
KL-4	220	220.5	0	0	0.01	0.01	0	0.37
KL-4	220.5	221	0	0	0.01	0.01	0	0
KL-4	221	221.5	0	0	0.01	0	0	0
KL-4	221.5	222	0	0	0	0	0	0
KL-4	222	222.5	0	0	0	0.01	0	0
KL-4	222.5	223	0	0	0.05	0	0	0.05
KL-4	223	223.5	0	0	0	0	0	0
KL-4	223.5	224	0	0	0	0	0	0
KL-4	224	224.5	0	0	0.03	0.01	0	0.39
KL-4	224.5	225	0	0	0	0.03	0	0.01
KL-4	225	225.5	0	0	0	0	0	0
KL-4	225.5	226	0	0	0	0	0	0
KL-4	226	226.5	0	0	0.01	0	0	0.04
KL-4	226.5	227	0	0	0	0	0	0
KL-4	227	227.5	0	0	0	0	0	0
KL-4	227.5	228	0	0	0	0	0	0
KL-4	228	228.5	0	0.04	0	0	0	0.02
KL-4	228.5	229	0	0.06	0	0	0	0
KL-4	229	229.5	0	0.4	0	0	0	0
KL-4	229.5	230	0	0	0	0	0	0
KL-4	230	230.5	0	0	0	0	0	0
KL-4	230.5	231	0	0	0.01	0	0	0
KL-4	231	231.5	0	0	0	0	0	0
KL-4	231.5	232	0	0	0	0	0	0
KL-4	232	232.5	0	0	0	0	0	0
KL-4	232.5	233	0.04	0.01	0	0	0	0
KL-4	233	233.5	0	0.45	0	0	0	0
KL-4	233.5	234	0	0	0	0	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
KL-4	217.5	218	1.25	2.19	0.27	0	0	0.06
KL-4	218	218.5	3.97	0.57	3.82	0	0	0.19
KL-4	218.5	219	2.87	0.67	3.07	0	0	0.07
KL-4	219	219.5	3.38	0.42	7.01	0	0	0.57
KL-4	219.5	220	0.04	0.01	1.78	0	0	2
KL-4	220	220.5	0.7	2.8	3.79	0	0	0.47
KL-4	220.5	221	0.57	0.65	0.41	0	0	0.01
KL-4	221	221.5	4.79	3.51	0.34	0	0	0.4
KL-4	221.5	222	0.03	2.34	0.05	0	0	0.02
KL-4	222	222.5	0.19	0.28	0	0	0	0
KL-4	222.5	223	0.01	0.26	0	0	0	0
KL-4	223	223.5	3.97	7.84	3.96	0	0	0.38
KL-4	223.5	224	6.58	45.9	30.15	0	0	0
KL-4	224	224.5	0.87	1.58	3.33	0	0	1.1
KL-4	224.5	225	0.69	0.49	0.03	0	0	0.03
KL-4	225	225.5	1.6	1.09	9.02	0	0	0.11
KL-4	225.5	226	0.94	0.07	20.24	0	0	0.29
KL-4	226	226.5	6.69	12.65	14.32	0	0	0.03
KL-4	226.5	227	3.51	0.56	19.91	0	0	0.1
KL-4	227	227.5	0.3	0.19	2.9	0	0	0.07
KL-4	227.5	228	1.35	0.14	4.14	0	0	0
KL-4	228	228.5	2.11	0.6	9.54	0	0	0.45
KL-4	228.5	229	2.39	0.89	4.75	0	0	0.05
KL-4	229	229.5	5.95	1.64	33.79	0	0	0.25
KL-4	229.5	230	7.9	11.58	8.3	0	0	0.17
KL-4	230	230.5	5.56	16.68	5.14	0	0	0
KL-4	230.5	231	1.94	1.02	0.93	0	0	0
KL-4	231	231.5	15.62	1.09	60.69	0	0	0
KL-4	231.5	232	8.69	0.03	41.07	0	0	0.01
KL-4	232	232.5	0.61	1.23	50.38	0	0	0.15
KL-4	232.5	233	2.08	0.04	2.99	0	0	0.03
KL-4	233	233.5	8.37	9.38	55.69	0.02	0	0.19
KL-4	233.5	234	7.94	2.54	32.45	0	0	0.03

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
KL-4	217.5	218	0	0	0	0	0
KL-4	218	218.5	0	4.74	0.11	2340.13	0
KL-4	218.5	219	0	4	0.02	2340.85	0
KL-4	219	219.5	0	0	0	2345.53	0
KL-4	219.5	220	0	1.58	0	0	0
KL-4	220	220.5	0.03	0.25	0.01	2330.88	0
KL-4	220.5	221	0	0.27	0	2330.76	0
KL-4	221	221.5	0	0	0	0	0
KL-4	221.5	222	0	0	0	0	0
KL-4	222	222.5	0	0.03	0	0	0
KL-4	222.5	223	0	0.01	0	0	0
KL-4	223	223.5	0	0.03	0	0	0
KL-4	223.5	224	0	0	0	0	0
KL-4	224	224.5	0.08	1.9	0.02	2339.51	0
KL-4	224.5	225	0	0.01	0	0	0
KL-4	225	225.5	0	0	0	2344.87	0
KL-4	225.5	226	0	0	0	0	0
KL-4	226	226.5	0	0	0	0	0
KL-4	226.5	227	0	0	0	0	0
KL-4	227	227.5	0	0	0	2352	0
KL-4	227.5	228	0	0	0	0	0
KL-4	228	228.5	0.62	0	0	2341.98	946.66
KL-4	228.5	229	0.02	0	0	0	922
KL-4	229	229.5	0	0	0	0	933.79
KL-4	229.5	230	0	0	0	0	0
KL-4	230	230.5	0	0	0	0	0
KL-4	230.5	231	0	0	0	0	0
KL-4	231	231.5	0	0	0	0	0
KL-4	231.5	232	0	0	0	0	0
KL-4	232	232.5	0	0	0	0	0
KL-4	232.5	233	0	0	0	0	945.26
KL-4	233	233.5	0	0	0	0	939.09
KL-4	233.5	234	0	0	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
KL-4	217.5	218	0	0	0	0	0
KL-4	218	218.5	0.99952	0.7	2201.72	0.3	26.56
KL-4	218.5	219	0	1.01	2200.85	0.33	32.95
KL-4	219	219.5	0.99727	0	0	0	0
KL-4	219.5	220	0	0.82	2204.22	0	1.81
KL-4	220	220.5	0.99624	0.49	2204.6	0	5.26
KL-4	220.5	221	0.99822	0.49	2204.36	0	4.55
KL-4	221	221.5	0	0	0	0	0
KL-4	221.5	222	0	0	0	0	0
KL-4	222	222.5	0.99967	0.33	2212.54	0	0
KL-4	222.5	223	0	0.22	2213.72	0	0
KL-4	223	223.5	0	0.21	2203.75	25	0
KL-4	223.5	224	0	0	0	0	0
KL-4	224	224.5	0.99834	1.34	2200.81	1.18	30.38
KL-4	224.5	225	0.99776	0	0	0	0
KL-4	225	225.5	0	0	0	0	0
KL-4	225.5	226	0	0	0	0	0
KL-4	226	226.5	0	0	0	0	0
KL-4	226.5	227	0	0	0	0	0
KL-4	227	227.5	0	0	0	0	0
KL-4	227.5	228	0	0	0	0	0
KL-4	228	228.5	0	0	0	0	0
KL-4	228.5	229	0	0	0	0	0
KL-4	229	229.5	0	0	0	0	0
KL-4	229.5	230	0	0	0	0	0
KL-4	230	230.5	0	0	0	0	0
KL-4	230.5	231	0	0	0	0	0
KL-4	231	231.5	0	0	0	0	0
KL-4	231.5	232	0	0	0	0	0
KL-4	232	232.5	0	0	0	0	0
KL-4	232.5	233	0	0	0	0	0
KL-4	233	233.5	0	0	0	0	0
KL-4	233.5	234	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
KL-4	217.5	218	0	0	0	0	0	0
KL-4	218	218.5	71.78	0.91	0.46	2256.07	0	0
KL-4	218.5	219	66.39	0.33	0	0	0	0
KL-4	219	219.5	0	0	0	0	0	0
KL-4	219.5	220	93.98	4.22	0	0	0	0
KL-4	220	220.5	78.95	7.89	7.89	0	0	0
KL-4	220.5	221	86.36	9.09	0	0	0	0
KL-4	221	221.5	0	0	0	0	0	0
KL-4	221.5	222	0	0	0	0	0	0
KL-4	222	222.5	0	75	25	0	0	0
KL-4	222.5	223	0	100	0	0	0	0
KL-4	223	223.5	25	25	25	0	0	0
KL-4	223.5	224	0	0	0	0	0	0
KL-4	224	224.5	66.37	1.77	0.29	0	0	0
KL-4	224.5	225	0	0	0	0	0	0
KL-4	225	225.5	0	0	0	0	0	0
KL-4	225.5	226	0	0	0	0	0	0
KL-4	226	226.5	0	0	0	0	0	0
KL-4	226.5	227	0	0	0	0	0	0
KL-4	227	227.5	0	0	0	0	0	0
KL-4	227.5	228	0	0	0	0	0	0
KL-4	228	228.5	0	0	0	0	0	0
KL-4	228.5	229	0	0	0	0	0	0
KL-4	229	229.5	0	0	0	0	0	0
KL-4	229.5	230	0	0	0	0	0	0
KL-4	230	230.5	0	0	0	0	0	0
KL-4	230.5	231	0	0	0	0	0	0
KL-4	231	231.5	0	0	0	0	0	0
KL-4	231.5	232	0	0	0	0	0	0
KL-4	232	232.5	0	0	0	0	0	0
KL-4	232.5	233	0	0	0	0	0	0
KL-4	233	233.5	0	0	0	0	0	0
KL-4	233.5	234	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
KL-4	217.5	218	0	0
KL-4	218	218.5	75	25
KL-4	218.5	219	0	0
KL-4	219	219.5	0	0
KL-4	219.5	220	0	0
KL-4	220	220.5	0	0
KL-4	220.5	221	0	0
KL-4	221	221.5	0	0
KL-4	221.5	222	0	0
KL-4	222	222.5	0	0
KL-4	222.5	223	0	0
KL-4	223	223.5	0	0
KL-4	223.5	224	0	0
KL-4	224	224.5	0	0
KL-4	224.5	225	0	0
KL-4	225	225.5	0	0
KL-4	225.5	226	0	0
KL-4	226	226.5	0	0
KL-4	226.5	227	0	0
KL-4	227	227.5	0	0
KL-4	227.5	228	0	0
KL-4	228	228.5	0	0
KL-4	228.5	229	0	0
KL-4	229	229.5	0	0
KL-4	229.5	230	0	0
KL-4	230	230.5	0	0
KL-4	230.5	231	0	0
KL-4	231	231.5	0	0
KL-4	231.5	232	0	0
KL-4	232	232.5	0	0
KL-4	232.5	233	0	0
KL-4	233	233.5	0	0
KL-4	233.5	234	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
KL-4	234	234.5	10970	1.09	9.54	0.05	0.02	71.17	0
KL-4	234.5	235	6007	0	0	0	0	99.58	0
KL-4	235	235.5	20141	0.18	0.98	0.99	1.1	88.6	0.01
KL-4	235.5	236	17057	0.02	4.27	0	0.06	89.53	0.02
KL-4	236	236.5	7898	1.04	42.63	0	0	9.5	0
KL-4	236.5	237	12052	1.15	45.94	0	0.01	29.75	0
KL-4	237	237.5	18355	0.3	44.79	0	0	31.51	0
KL-4	237.5	238	10293	0.09	22.58	0	0	52.05	0
KL-4	238	238.5	7132	0.1	18.44	0	0.04	54.96	0
KL-4	238.5	239	18221	0.16	47.2	0	0	7.45	0
KL-4	239	239.5	18062	0.6	33.04	0	0.01	9.41	0
KL-4	239.5	240	19235	0.25	39.2	0.01	0	14.18	0
KL-4	240	240.5	7800	0.14	19.51	0	0	36.95	0
KL-4	240.5	241	16708	0.32	36.74	0	0	1.23	0
KL-4	241	241.5	17818	0.47	48.15	0	0	4.79	0
KL-4	241.5	242	11706	0.43	32.74	0	0	4.87	0
KL-4	242	242.5	10750	0.41	37.95	0	0	7	0
KL-4	242.5	243	12461	0.22	27.8	0	0	4.08	0
KL-4	243	243.5	15165	0.28	31.78	0	0	4.56	0
KL-4	243.5	244	8348	0.43	30.98	0	0	0.01	0
KL-4	244	244.5	13973	0.44	33.26	0	0	10.54	0
KL-4	244.5	245	15631	0.17	40.3	0	0	6.19	0
KL-4	245	245.5	9413	0.41	42.43	0	0	14.78	0
KL-4	245.5	246	9953	0.38	31.64	0	0	3.05	0
KL-4	246	246.5	15292	0.2	23.36	0	0	60.5	0
KL-4	246.5	247	17159	0.29	23.29	0	0	59.47	0
KL-4	247	247.5	17139	2.49	30.64	0	0.01	50.79	0
KL-4	247.5	248	10875	0.04	28.79	0	0	50.92	0
KL-4	248	248.5	15916	0.71	29.18	0	0	55.04	0
KL-4	248.5	249	15448	1.45	54.76	0	0	18.22	0
KL-4	249	249.5	14887	0.3	43.09	0	0	35.45	0
KL-4	250	250.5	12820	0.06	4.37	0	0	85.91	0
KL-4	250.5	251	13673	0.69	38.18	0	0.06	3.3	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
KL-4	234	234.5	0	0.02	0	0	0	0.15
KL-4	234.5	235	0	0	0	0	0	0
KL-4	235	235.5	0	0	0	0	0	0.01
KL-4	235.5	236	0	0	0	0.05	0	0
KL-4	236	236.5	0	0	0	0.04	0	0
KL-4	236.5	237	0	0	0	0	0	0
KL-4	237	237.5	0	0	0	0	0	0
KL-4	237.5	238	0	0	0	0	0	0
KL-4	238	238.5	0	0	0.01	0.01	0	0
KL-4	238.5	239	0	0	0	0	0	0
KL-4	239	239.5	0	0	0	0	0	0
KL-4	239.5	240	0	0	0	0.01	0	0
KL-4	240	240.5	0	0	0	0	0	0.03
KL-4	240.5	241	0	0	0	0	0	0
KL-4	241	241.5	0	0	0	0	0	0
KL-4	241.5	242	0	0	0	0	0	0
KL-4	242	242.5	0.05	0.16	0.07	0	0	0.37
KL-4	242.5	243	0	0	0	0	0	0
KL-4	243	243.5	0	0	0.45	0.02	0	0
KL-4	243.5	244	0	0	0	0	0	0
KL-4	244	244.5	0	0	0	0	0	0
KL-4	244.5	245	0	0	0	0	0	0
KL-4	245	245.5	0	0	0	0	0	0
KL-4	245.5	246	0	0	0	0	0	0
KL-4	246	246.5	0	0	0	0	0	0
KL-4	246.5	247	0	0	0	0.01	0	0
KL-4	247	247.5	0.02	0	0	0	0	0
KL-4	247.5	248	0	0	0	0	0	0
KL-4	248	248.5	0.06	0	0	0.01	0	0.01
KL-4	248.5	249	0	0	0	0	0	0
KL-4	249	249.5	0	0	0	0.01	0	0
KL-4	250	250.5	0	0	0	0.02	0	0
KL-4	250.5	251	0	0	0	0	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
KL-4	234	234.5	10.75	5.01	9.55	0	0	0.06
KL-4	234.5	235	0.27	0.2	0	0	0	0
KL-4	235	235.5	0.94	1.27	3.4	0	0	0.14
KL-4	235.5	236	0.64	1.52	4.37	0	0	0.03
KL-4	236	236.5	3.55	39.31	42.77	0	0	0
KL-4	236.5	237	4.22	10.37	46.5	0	0	0.3
KL-4	237	237.5	6.27	10.31	45.09	0	0	0.12
KL-4	237.5	238	7.47	4.45	22.62	0	0	0
KL-4	238	238.5	19.85	3.42	19.43	0	0	0.88
KL-4	238.5	239	12.61	32.16	47.25	0	0	0
KL-4	239	239.5	14.51	41.05	33.8	0	0	0.49
KL-4	239.5	240	7.13	37.99	39.24	0	0	0
KL-4	240	240.5	12.83	24.87	19.51	0	0	0
KL-4	240.5	241	4.12	56.78	37.16	0	0	0.4
KL-4	241	241.5	5.56	40.02	48.67	0	0	0.27
KL-4	241.5	242	3.09	57.11	33.55	0.08	0	0.79
KL-4	242	242.5	11.92	37.55	39.21	0.04	0	0.59
KL-4	242.5	243	9.55	56.14	28.36	0.04	0	0.33
KL-4	243	243.5	6.65	56.62	32.79	0.01	0	1.27
KL-4	243.5	244	1.35	66.93	31.09	0.02	0	0
KL-4	244	244.5	5.23	46.32	34.21	0	0	0.4
KL-4	244.5	245	4.75	45.86	40.48	0	0	0
KL-4	245	245.5	4.82	33.42	42.66	0.04	0	0
KL-4	245.5	246	0.96	61.82	32.19	0	0	0
KL-4	246	246.5	0.01	0.95	23.38	0	0	0.05
KL-4	246.5	247	2.23	4.11	23.33	0	0	0.07
KL-4	247	247.5	1.45	1.17	30.88	0	0	2.01
KL-4	247.5	248	2.51	6.1	28.83	0	0	0
KL-4	248	248.5	2.61	0.98	30.77	0	0	0.18
KL-4	248.5	249	0.43	9.9	61.19	0.08	0	0.05
KL-4	249	249.5	0.52	10.09	43.59	0	0	0
KL-4	250	250.5	1.38	4.53	4.41	0	0	0
KL-4	250.5	251	1.38	55.6	38.96	0	0	0.53

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
KL-4	234	234.5	0.03	0.01	0	2329.08	0
KL-4	234.5	235	0	0	0	0	0
KL-4	235	235.5	0.06	0.01	0	2333	0
KL-4	235.5	236	0	0.16	0	2324.25	0
KL-4	236	236.5	0	0	0	0	0
KL-4	236.5	237	0	0	0	0	0
KL-4	237	237.5	0	0	0	0	0
KL-4	237.5	238	0	0	0	0	0
KL-4	238	238.5	0	0	0	2344	0
KL-4	238.5	239	0	0	0	0	0
KL-4	239	239.5	0	0	0	2348.86	0
KL-4	239.5	240	0	0.02	0	2315.56	0
KL-4	240	240.5	0	0	0	0	0
KL-4	240.5	241	0	0	0	0	0
KL-4	241	241.5	0	0	0	0	0
KL-4	241.5	242	0	0	0	0	0
KL-4	242	242.5	0	0	0	0	910.85
KL-4	242.5	243	0	0	0	0	0
KL-4	243	243.5	0	0	0	0	0
KL-4	243.5	244	0	0	0	0	0
KL-4	244	244.5	0	0	0	0	0
KL-4	244.5	245	0	0	0	0	0
KL-4	245	245.5	0	0	0	0	0
KL-4	245.5	246	0	0	0	0	0
KL-4	246	246.5	0	0	0	0	0
KL-4	246.5	247	0	0	0	0	0
KL-4	247	247.5	0.01	0	0	0	936.49
KL-4	247.5	248	0	0	0	0	0
KL-4	248	248.5	0	0	0	0	929.35
KL-4	248.5	249	0	0	0	0	0
KL-4	249	249.5	0	0	0	0	0
KL-4	250	250.5	0	0	0	0	0
KL-4	250.5	251	0	0	0	2352.87	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
KL-4	234	234.5	0	0.16	0	0	0
KL-4	234.5	235	0	0	0	0	0
KL-4	235	235.5	1.00235	0.28	2211.78	0	0
KL-4	235.5	236	0.99951	0.27	2204.51	0	11.54
KL-4	236	236.5	1.01279	0	0	0	0
KL-4	236.5	237	0	0	0	0	0
KL-4	237	237.5	0	0	0	0	0
KL-4	237.5	238	0	0	0	0	0
KL-4	238	238.5	1.00278	0	0	0	0
KL-4	238.5	239	0	0	0	0	0
KL-4	239	239.5	0	0	0	0	0
KL-4	239.5	240	0.99859	0.33	2205.07	0	33.33
KL-4	240	240.5	0	0	0	0	0
KL-4	240.5	241	0	0	0	0	0
KL-4	241	241.5	0	0	0	0	0
KL-4	241.5	242	0	0	0	0	0
KL-4	242	242.5	0	0	0	0	0
KL-4	242.5	243	0	0	0	0	0
KL-4	243	243.5	1.01132	0	0	0	0
KL-4	243.5	244	0	0	0	0	0
KL-4	244	244.5	0	0	0	0	0
KL-4	244.5	245	0	0	0	0	0
KL-4	245	245.5	0	0	0	0	0
KL-4	245.5	246	0	0	0	0	0
KL-4	246	246.5	0	0	0	0	0
KL-4	246.5	247	0.99712	0	0	0	0
KL-4	247	247.5	0	0	0	0	0
KL-4	247.5	248	0	0	0	0	0
KL-4	248	248.5	0.9987	0	0	0	0
KL-4	248.5	249	0	0	0	0	0
KL-4	249	249.5	0.99908	0	0	0	0
KL-4	250	250.5	0.99831	0	0	0	0
KL-4	250.5	251	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
KL-4	234	234.5	0	0	0	0	0	0
KL-4	234.5	235	0	0	0	0	0	0
KL-4	235	235.5	0	100	0	2262.02	0	0
KL-4	235.5	236	76.92	11.54	0	2260.74	0	0
KL-4	236	236.5	0	0	0	0	0	0
KL-4	236.5	237	0	0	0	0	0	0
KL-4	237	237.5	0	0	0	0	0	0
KL-4	237.5	238	0	0	0	0	0	0
KL-4	238	238.5	0	0	0	0	0	0
KL-4	238.5	239	0	0	0	0	0	0
KL-4	239	239.5	0	0	0	0	0	0
KL-4	239.5	240	0	66.67	0	0	0	0
KL-4	240	240.5	0	0	0	0	0	0
KL-4	240.5	241	0	0	0	0	0	0
KL-4	241	241.5	0	0	0	0	0	0
KL-4	241.5	242	0	0	0	0	0	0
KL-4	242	242.5	0	0	0	0	0	0
KL-4	242.5	243	0	0	0	0	0	0
KL-4	243	243.5	0	0	0	0	0	0
KL-4	243.5	244	0	0	0	0	0	0
KL-4	244	244.5	0	0	0	0	0	0
KL-4	244.5	245	0	0	0	0	0	0
KL-4	245	245.5	0	0	0	0	0	0
KL-4	245.5	246	0	0	0	0	0	0
KL-4	246	246.5	0	0	0	0	0	0
KL-4	246.5	247	0	0	0	0	0	0
KL-4	247	247.5	0	0	0	0	0	0
KL-4	247.5	248	0	0	0	0	0	0
KL-4	248	248.5	0	0	0	0	0	0
KL-4	248.5	249	0	0	0	0	0	0
KL-4	249	249.5	0	0	0	0	0	0
KL-4	250	250.5	0	0	0	0	0	0
KL-4	250.5	251	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
KL-4	234	234.5	0	0
KL-4	234.5	235	0	0
KL-4	235	235.5	0	100
KL-4	235.5	236	0	100
KL-4	236	236.5	0	0
KL-4	236.5	237	0	0
KL-4	237	237.5	0	0
KL-4	237.5	238	0	0
KL-4	238	238.5	0	0
KL-4	238.5	239	0	0
KL-4	239	239.5	0	0
KL-4	239.5	240	0	0
KL-4	240	240.5	0	0
KL-4	240.5	241	0	0
KL-4	241	241.5	0	0
KL-4	241.5	242	0	0
KL-4	242	242.5	0	0
KL-4	242.5	243	0	0
KL-4	243	243.5	0	0
KL-4	243.5	244	0	0
KL-4	244	244.5	0	0
KL-4	244.5	245	0	0
KL-4	245	245.5	0	0
KL-4	245.5	246	0	0
KL-4	246	246.5	0	0
KL-4	246.5	247	0	0
KL-4	247	247.5	0	0
KL-4	247.5	248	0	0
KL-4	248	248.5	0	0
KL-4	248.5	249	0	0
KL-4	249	249.5	0	0
KL-4	250	250.5	0	0
KL-4	250.5	251	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
KL-4	251	251.5	11201	0.07	27.51	0	0.11	48.84	0
KL-4	251.5	252	13336	0.56	43.74	0	0	11.66	0
KL-4	252	252.5	12468	0.16	24.66	0.09	0.07	53.13	0
KL-4	252.5	253	14782	0.09	54.37	0	0	26.82	0
KL-4	253	253.5	9456	0.17	81.86	0	0	6.55	0
KL-4	254	254.5	12164	0.12	39.89	0	0	43.28	0
KL-4	254.5	255	15053	0.6	48.85	0	0	34.03	0
KL-4	255	255.5	15446	0.3	63.41	0	0	17.76	0
KL-4	255.5	256	16433	0.27	68.5	0	0	11.59	0
KL-4	256	256.5	12879	0.82	57.14	0	0	15.53	0
KL-4	256.5	257	17254	0.28	61.36	0	0	17.55	0
KL-4	257	257.5	15516	0.43	61.4	0	0	11.02	0.08
KL-4	257.5	258	7242	0.29	44.63	0	0	30.02	0
KL-4	258	258.5	9578	0.28	81.95	0	0	9.09	0
KL-4	258.5	259	17239	0.1	49.41	0	0	32.56	0
KL-4	259	259.5	17083	0.24	55.91	0	0	23.3	0
KL-4	259.5	260	13429	0.16	53.38	0	0	28.35	0
KL-4	260	260.5	14983	0.72	53.17	0	0	8.92	0
KL-4	260.5	261	15535	0.62	56.42	0	0	10.72	0
KL-4	261	261.5	8365	1.32	9.92	0	0.05	42.64	4.16
KL-4	261.5	262	8874	0.27	35.78	0	0	26.85	0
KL-4	262	262.5	14694	0.1	70.4	0	0	12.23	0
KL-4	262.5	263	17554	0.56	62.52	0	0	6.76	0.02
KL-4	263	263.5	4903	0	72.61	0	0	11.93	0
KL-4	263.5	264	3050	0.49	44.1	0	0	0	0
KL-4	264	264.5	15335	0.67	51.03	0	0	1.7	0
KL-4	264.5	265	16907	0.88	49.03	0	0	4.17	0
KL-4	265	265.5	17730	0.9	59.08	0	0	5.31	0
KL-4	265.5	266	11996	1.54	67.67	0	0	3.54	0
KL-4	266	266.5	20045	1.08	67.41	0	0	6.99	0
KL-4	266.5	267	17397	0.48	51.45	0	0	13.53	0.33
KL-4	267	267.5	10476	0.47	56.96	0	0	15.63	0
KL-4	267.5	268	19722	0.45	50.95	0	0	17.19	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
KL-4	251	251.5	0	0	0	0	0	0.29
KL-4	251.5	252	0	0	0	0	0	0
KL-4	252	252.5	0	0	0	0	0	0
KL-4	252.5	253	0	0	0	0	0	0
KL-4	253	253.5	0	0	0	0	0	0
KL-4	254	254.5	0	0	0	0	0	0
KL-4	254.5	255	0	0	0	0.01	0	0
KL-4	255	255.5	0	0	0	0	0	0
KL-4	255.5	256	0	0	0	0	0	0
KL-4	256	256.5	0	0	0	0	0	0
KL-4	256.5	257	0	0	0	0	0	0
KL-4	257	257.5	0	0	0	0	0	0
KL-4	257.5	258	0	0	0	0	0	0
KL-4	258	258.5	0	0	0	0	0	0
KL-4	258.5	259	0	0	0	0	0	0
KL-4	259	259.5	0	0	0	0	0	0
KL-4	259.5	260	0	0	0	0	0	0
KL-4	260	260.5	0	0	0	0	0	0
KL-4	260.5	261	0	0	0	0.01	0	0
KL-4	261	261.5	0	0.01	0.2	0.02	6.07	28.39
KL-4	261.5	262	0	0	0	0	0	0
KL-4	262	262.5	0	0	0	0	0	0
KL-4	262.5	263	0	0	0.02	0	0	2.34
KL-4	263	263.5	0	0	0	0	0	0
KL-4	263.5	264	0	0	0	0	0	0
KL-4	264	264.5	0	0	0	0	0	0
KL-4	264.5	265	0	0	0	0	0	0
KL-4	265	265.5	0	0	0	0	0	0
KL-4	265.5	266	0	0	0	0	0	0
KL-4	266	266.5	0	0	0	0	0	0
KL-4	266.5	267	0	0	0.44	0	0	2.06
KL-4	267	267.5	0	0	0	0	0	0
KL-4	267.5	268	0	0	0	0.61	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
KL-4	251	251.5	2.07	10.53	27.6	0	0	0.01
KL-4	251.5	252	2.1	35.73	44.72	0	0	1.21
KL-4	252	252.5	1.45	5.2	24.78	0	0	0.09
KL-4	252.5	253	1.66	6.66	54.51	0	0	0
KL-4	253	253.5	0.4	6.76	82.41	0	0	0
KL-4	254	254.5	0.02	4.76	39.9	0	0	0
KL-4	254.5	255	0.01	6.56	48.89	0	0	0.04
KL-4	255	255.5	0.21	8.31	64.47	0.04	0	0
KL-4	255.5	256	0.18	13.41	68.64	0	0	0
KL-4	256	256.5	1.53	14.99	58.32	0.07	0	0.04
KL-4	256.5	257	1.39	11.53	62.6	0	0	0.52
KL-4	257	257.5	0.35	22.58	61.85	0	0	0.17
KL-4	257.5	258	1.88	16.47	45.51	0	0	0.61
KL-4	258	258.5	1.37	5.02	81.95	0	0	0.05
KL-4	258.5	259	0.43	7	49.46	0	0	0.01
KL-4	259	259.5	0.01	10.77	56.24	0	0	0
KL-4	259.5	260	0.16	5.69	53.41	0	0	0
KL-4	260	260.5	0.05	31.08	54.81	0.03	0	0.01
KL-4	260.5	261	2.01	25.52	57.24	0	0	0.03
KL-4	261	261.5	2.98	17.76	11.44	0	0	0.11
KL-4	261.5	262	2.15	29.02	35.82	0	0	0.11
KL-4	262	262.5	4.63	8.86	70.5	0	0	0.04
KL-4	262.5	263	9.74	15.3	64.23	0.02	0	0.58
KL-4	263	263.5	11.38	0.88	72.71	0	0	0
KL-4	263.5	264	0	55.11	44.39	0	0	0
KL-4	264	264.5	2.08	42.43	52.8	0	0	0.42
KL-4	264.5	265	2.33	38.52	52.36	0.11	0	0.53
KL-4	265	265.5	1.91	27.72	61.36	0.25	0	0.83
KL-4	265.5	266	1.61	18.13	72.47	1	0	1.78
KL-4	266	266.5	1.66	16.41	69.66	0.24	0	0.2
KL-4	266.5	267	2.18	24.35	52.51	0.05	0	0.35
KL-4	267	267.5	1.1	18.61	57.29	0	0	0.06
KL-4	267.5	268	2.26	20.28	51.67	0	0	0.53

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
KL-4	251	251.5	0	0	0	2333.86	0
KL-4	251.5	252	0	0	0	0	0
KL-4	252	252.5	0.02	0.01	0	2330.7	0
KL-4	252.5	253	0	0	0	0	0
KL-4	253	253.5	0	0	0	0	0
KL-4	254	254.5	0	0	0	0	0
KL-4	254.5	255	0	0	0	0	0
KL-4	255	255.5	0	0	0	0	0
KL-4	255.5	256	0	0	0	0	0
KL-4	256	256.5	0	0	0	0	0
KL-4	256.5	257	0	0	0	0	0
KL-4	257	257.5	0	0	0	0	0
KL-4	257.5	258	0	0	0	0	0
KL-4	258	258.5	0	0	0	0	0
KL-4	258.5	259	0	0	0	0	0
KL-4	259	259.5	0	0	0	0	0
KL-4	259.5	260	0	0	0	0	0
KL-4	260	260.5	0	0	0	0	0
KL-4	260.5	261	0	0	0	0	0
KL-4	261	261.5	0.01	6.99	0.08	2343.38	888
KL-4	261.5	262	0	0	0	0	0
KL-4	262	262.5	0	0	0	0	0
KL-4	262.5	263	0	0	0	0	0
KL-4	263	263.5	0	0	0	0	0
KL-4	263.5	264	0	0	0	0	0
KL-4	264	264.5	0	0	0	0	0
KL-4	264.5	265	0	0	0	0	0
KL-4	265	265.5	0	0	0	0	0
KL-4	265.5	266	0	0	0	0	0
KL-4	266	266.5	0	0	0	0	0
KL-4	266.5	267	0	0	0	0	0
KL-4	267	267.5	0	0	0	0	0
KL-4	267.5	268	0	0	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
KL-4	251	251.5	0	0	0	0	0
KL-4	251.5	252	0	0	0	0	0
KL-4	252	252.5	0	0.36	2204.21	0	0
KL-4	252.5	253	0	0	0	0	0
KL-4	253	253.5	0	0	0	0	0
KL-4	254	254.5	0	0	0	0	0
KL-4	254.5	255	1.00723	0	0	0	0
KL-4	255	255.5	0	0	0	0	0
KL-4	255.5	256	0	0	0	0	0
KL-4	256	256.5	0	0	0	0	0
KL-4	256.5	257	0	0	0	0	0
KL-4	257	257.5	0	0	0	0	0
KL-4	257.5	258	0	0	0	0	0
KL-4	258	258.5	0	0	0	0	0
KL-4	258.5	259	0	0	0	0	0
KL-4	259	259.5	0	0	0	0	0
KL-4	259.5	260	0	0	0	0	0
KL-4	260	260.5	0	0	0	0	0
KL-4	260.5	261	0.99401	0	0	0	0
KL-4	261	261.5	0.99618	1.82	2203.54	0.85	4.44
KL-4	261.5	262	0	0	0	0	0
KL-4	262	262.5	0	0	0	0	0
KL-4	262.5	263	0	0	0	0	0
KL-4	263	263.5	0	0	0	0	0
KL-4	263.5	264	0	0	0	0	0
KL-4	264	264.5	0	0	0	0	0
KL-4	264.5	265	0	0	0	0	0
KL-4	265	265.5	0	0	0	0	0
KL-4	265.5	266	0	0	0	0	0
KL-4	266	266.5	0	0	0	0	0
KL-4	266.5	267	0	0	0	0	0
KL-4	267	267.5	0	0	0	0	0
KL-4	267.5	268	1.00525	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
KL-4	251	251.5	0	0	0	0	0	0
KL-4	251.5	252	0	0	0	0	0	0
KL-4	252	252.5	100	0	0	0	0	0
KL-4	252.5	253	0	0	0	0	0	0
KL-4	253	253.5	0	0	0	0	0	0
KL-4	254	254.5	0	0	0	0	0	0
KL-4	254.5	255	0	0	0	0	0	0
KL-4	255	255.5	0	0	0	0	0	0
KL-4	255.5	256	0	0	0	0	0	0
KL-4	256	256.5	0	0	0	0	0	0
KL-4	256.5	257	0	0	0	0	0	0
KL-4	257	257.5	0	0	0	2254.31	0	0
KL-4	257.5	258	0	0	0	0	0	0
KL-4	258	258.5	0	0	0	0	0	0
KL-4	258.5	259	0	0	0	0	0	0
KL-4	259	259.5	0	0	0	0	0	0
KL-4	259.5	260	0	0	0	0	0	0
KL-4	260	260.5	0	0	0	0	0	0
KL-4	260.5	261	0	0	0	0	0	0
KL-4	261	261.5	91.81	2.39	0.51	2254.84	0	3.81
KL-4	261.5	262	0	0	0	0	0	0
KL-4	262	262.5	0	0	0	0	0	0
KL-4	262.5	263	0	0	0	2258.8	0	0
KL-4	263	263.5	0	0	0	0	0	0
KL-4	263.5	264	0	0	0	0	0	0
KL-4	264	264.5	0	0	0	0	0	0
KL-4	264.5	265	0	0	0	0	0	0
KL-4	265	265.5	0	0	0	0	0	0
KL-4	265.5	266	0	0	0	0	0	0
KL-4	266	266.5	0	0	0	0	0	0
KL-4	266.5	267	0	0	0	2253.24	0	5.26
KL-4	267	267.5	0	0	0	0	0	0
KL-4	267.5	268	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
KL-4	251	251.5	0	0
KL-4	251.5	252	0	0
KL-4	252	252.5	0	0
KL-4	252.5	253	0	0
KL-4	253	253.5	0	0
KL-4	254	254.5	0	0
KL-4	254.5	255	0	0
KL-4	255	255.5	0	0
KL-4	255.5	256	0	0
KL-4	256	256.5	0	0
KL-4	256.5	257	0	0
KL-4	257	257.5	100	0
KL-4	257.5	258	0	0
KL-4	258	258.5	0	0
KL-4	258.5	259	0	0
KL-4	259	259.5	0	0
KL-4	259.5	260	0	0
KL-4	260	260.5	0	0
KL-4	260.5	261	0	0
KL-4	261	261.5	75.95	20.23
KL-4	261.5	262	0	0
KL-4	262	262.5	0	0
KL-4	262.5	263	0	100
KL-4	263	263.5	0	0
KL-4	263.5	264	0	0
KL-4	264	264.5	0	0
KL-4	264.5	265	0	0
KL-4	265	265.5	0	0
KL-4	265.5	266	0	0
KL-4	266	266.5	0	0
KL-4	266.5	267	94.74	0
KL-4	267	267.5	0	0
KL-4	267.5	268	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
KL-4	268	268.5	13186	0.46	65.54	0	0	10.44	0
KL-4	268.5	269	16510	0.53	50.48	0	0	2.47	0
KL-4	269	269.5	7224	1.72	50.66	0	0	9.34	0.01
KL-4	269.5	270	19821	0.68	50.26	0	0	19.36	0.13
KL-4	270	270.5	11128	0.44	71.78	0	0	3.46	0
KL-4	270.5	271	11625	0.55	52.29	0	0	6.77	0
KL-4	271	271.5	11564	0.16	47.77	0	0	8.98	0
KL-4	271.5	272	13056	0.18	52.61	0	0	6.09	0
KL-4	272	272.5	13426	0.35	40.73	0	0.01	3.67	0
KL-4	272.5	273	9102	0.32	29.89	0	0	0.24	0
KL-4	273	273.5	12154	0.55	77.52	0	0	3.17	0
KL-4	273.5	274	15149	0.89	47.38	0	0	7.18	0
KL-4	274	274.5	17860	0.48	49.63	0	0	10.77	0
KL-4	274.5	275	13648	0.59	55.77	0	0	2.36	0
KL-4	275	275.5	11947	0.86	59.6	0	0	4.36	0
KL-4	275.5	276	16369	1.51	47.89	0	0	8.31	0
KL-4	276	276.5	16153	0.59	66.75	0	0	6.12	0
KL-4	276.5	277	11793	0.54	56.06	0	0	0.98	0
KL-4	277	277.5	11392	0.91	47.77	0	0.01	2.33	0
KL-4	277.5	278	17786	0.62	49.56	0	0	31.1	0
KL-4	278	278.5	18221	0.78	38.15	0	0	28.97	0
KL-4	278.5	279	10782	0.55	43.81	0	0	0.83	0
KL-4	279	279.5	12755	1.23	52.29	0	0	0.93	0
KL-4	279.5	280	16981	2.72	48.01	0	0	3.83	0
KL-4	280	280.5	17528	0.47	79.92	0	0	8.34	0
KL-4	280.5	281	4594	0.13	33.48	0	0	43.21	0
KL-4	281	281.5	14404	0.18	76.78	0	0	9.49	0
KL-4	281.5	282	16681	0.3	83.27	0	0	4.87	0
KL-4	282	282.5	19151	0.54	61.62	0	0	11.51	0
KL-4	282.5	283	9238	0.39	64.34	0	0	8.25	0
KL-4	283	283.5	20566	0.37	75.05	0	0	5.71	0
KL-4	283.5	284	15323	0.85	47.15	0	0	13.89	0
KL-4	284	284.5	14346	1.05	66.41	0	0	0.76	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
KL-4	268	268.5	0	0	0	0	0	0
KL-4	268.5	269	0	0	0	0	0	0
KL-4	269	269.5	0	0	0	0	0	0
KL-4	269.5	270	0	0	0.81	0	0.93	14.8
KL-4	270	270.5	0	0	0	0	0	0
KL-4	270.5	271	0	0	0	0	0	0
KL-4	271	271.5	0	0	0	0	0	0
KL-4	271.5	272	0	0	0	0	0	0
KL-4	272	272.5	0	0	0	0	0	0
KL-4	272.5	273	0	0.02	0	0	0	0
KL-4	273	273.5	0	0.02	0	0	0	0
KL-4	273.5	274	0	0.02	0	0	0	0
KL-4	274	274.5	0	0	0	0	0	0
KL-4	274.5	275	0	0	0	0	0	0
KL-4	275	275.5	0	0	0	0	0	0
KL-4	275.5	276	0	0	0	0	0	0
KL-4	276	276.5	0	0	0	0	0	0
KL-4	276.5	277	0	0	0	0	0	0
KL-4	277	277.5	0	0	0	0	0	0
KL-4	277.5	278	0	0	0	0	0	0
KL-4	278	278.5	0	0	0	0	0	0
KL-4	278.5	279	0	0	0	0	0	0
KL-4	279	279.5	0	0	0	0	0	0
KL-4	279.5	280	0	0	0	0	0	0.01
KL-4	280	280.5	0	0	0	0	0	0
KL-4	280.5	281	0	0	0	0	0	0
KL-4	281	281.5	0	0	0	0	0	0
KL-4	281.5	282	0	0	0	0	0	0
KL-4	282	282.5	0	0	0	0	0	0
KL-4	282.5	283	0	0	0	0	0	0
KL-4	283	283.5	0	0	0	0	0	0
KL-4	283.5	284	0	0	0	0	0	0
KL-4	284	284.5	0	0	0	0	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
KL-4	268	268.5	1.17	16.56	66.49	0	0	0.16
KL-4	268.5	269	1.65	42.27	51.93	0	0	0.37
KL-4	269	269.5	0.11	31.98	52.01	0	0	0
KL-4	269.5	270	1.25	6.84	51.78	0.04	0	0.25
KL-4	270	270.5	0.47	24.19	72.25	0	0	0.1
KL-4	270.5	271	1.94	30.2	57.75	0	0	0
KL-4	271	271.5	12.81	27.62	48.86	0	0	0.98
KL-4	271.5	272	15.63	21.88	54.4	0	0	1.94
KL-4	272	272.5	6.51	46.14	42.19	0.04	0	0.28
KL-4	272.5	273	1.62	66.63	31.32	0.04	0	1.31
KL-4	273	273.5	0.72	15.95	79.06	0.3	0	0.45
KL-4	273.5	274	3.39	38.11	48.53	0.15	0	0.46
KL-4	274	274.5	2.82	30.11	51.1	0	0	1.06
KL-4	274.5	275	1.06	38.51	56.63	0	0	0.59
KL-4	275	275.5	1.11	31.47	60.76	0	0	0.43
KL-4	275.5	276	1.35	30.99	52.18	0.67	0	1.97
KL-4	276	276.5	0.11	23.45	67.21	0.01	0	0.12
KL-4	276.5	277	0.37	40.5	57.75	0.04	0	0.03
KL-4	277	277.5	0.74	45.32	49.75	0.11	0	0.5
KL-4	277.5	278	0.73	6.2	50.12	0.07	0	0.12
KL-4	278	278.5	0.97	22.39	38.91	0.03	0	0.34
KL-4	278.5	279	0.74	53.42	44.26	0.08	0	0.16
KL-4	279	279.5	0.66	41.07	54.44	0.77	0	0.13
KL-4	279.5	280	1.92	39.61	51	0.06	0	0.71
KL-4	280	280.5	0.05	6.58	80.41	0	0	0.05
KL-4	280.5	281	1.78	0.41	33.59	0	0	0.04
KL-4	281	281.5	1.33	7.05	78.03	0	0	1.1
KL-4	281.5	282	4.52	6.57	84.31	0	0	0.2
KL-4	282	282.5	1.57	17.32	62.3	0	0	0.11
KL-4	282.5	283	2.33	16.57	66.77	0	0	1.21
KL-4	283	283.5	0.82	14.42	76.22	0	0	0.44
KL-4	283.5	284	0.87	30.18	48.05	0.08	0	0.05
KL-4	284	284.5	0.87	30.06	67.28	0	0	0.3

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
KL-4	268	268.5	0	0	0	0	0
KL-4	268.5	269	0	0	0	0	0
KL-4	269	269.5	0	0	0	0	0
KL-4	269.5	270	0	0.01	0	0	0
KL-4	270	270.5	0	0	0	0	0
KL-4	270.5	271	0	0	0	0	0
KL-4	271	271.5	0	0	0	0	0
KL-4	271.5	272	0	0	0	0	0
KL-4	272	272.5	0	0	0	0	0
KL-4	272.5	273	0	0	0	0	940
KL-4	273	273.5	0	0	0	0	936
KL-4	273.5	274	0	0	0	0	924
KL-4	274	274.5	0.12	0	0	0	0
KL-4	274.5	275	0	0	0	0	0
KL-4	275	275.5	0	0	0	0	0
KL-4	275.5	276	0	0	0	0	0
KL-4	276	276.5	0	0	0	0	0
KL-4	276.5	277	0	0	0	0	0
KL-4	277	277.5	0	0	0	0	0
KL-4	277.5	278	0	0	0	0	0
KL-4	278	278.5	0	0	0	0	0
KL-4	278.5	279	0	0	0	0	0
KL-4	279	279.5	0	0	0	0	0
KL-4	279.5	280	0	0	0	0	0
KL-4	280	280.5	0	0	0	0	0
KL-4	280.5	281	0	0	0	0	0
KL-4	281	281.5	0	0	0	0	0
KL-4	281.5	282	0	0	0	0	0
KL-4	282	282.5	0	0	0	0	0
KL-4	282.5	283	0	0	0	0	0
KL-4	283	283.5	0	0	0	0	0
KL-4	283.5	284	0	0	0	0	0
KL-4	284	284.5	0	0	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
KL-4	268	268.5	0	0	0	0	0
KL-4	268.5	269	0	0	0	0	0
KL-4	269	269.5	0	0	0	0	0
KL-4	269.5	270	0	0.46	2204.65	0	0
KL-4	270	270.5	0	0	0	0	0
KL-4	270.5	271	0	0	0	0	0
KL-4	271	271.5	0	0	0	0	0
KL-4	271.5	272	0	0	0	0	0
KL-4	272	272.5	0	0	0	0	0
KL-4	272.5	273	0	0	0	0	0
KL-4	273	273.5	0	0	0	0	0
KL-4	273.5	274	0	0	0	0	0
KL-4	274	274.5	0	0	0	0	0
KL-4	274.5	275	0	0	0	0	0
KL-4	275	275.5	0	0	0	0	0
KL-4	275.5	276	0	0	0	0	0
KL-4	276	276.5	0	0	0	0	0
KL-4	276.5	277	0	0	0	0	0
KL-4	277	277.5	0	0	0	0	0
KL-4	277.5	278	0	0	0	0	0
KL-4	278	278.5	0	0	0	0	0
KL-4	278.5	279	0	0	0	0	0
KL-4	279	279.5	0	0	0	0	0
KL-4	279.5	280	0	0	0	0	0
KL-4	280	280.5	0	0	0	0	0
KL-4	280.5	281	0	0	0	0	0
KL-4	281	281.5	0	0	0	0	0
KL-4	281.5	282	0	0	0	0	0
KL-4	282	282.5	0	0	0	0	0
KL-4	282.5	283	0	0	0	0	0
KL-4	283	283.5	0	0	0	0	0
KL-4	283.5	284	0	0	0	0	0
KL-4	284	284.5	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
KL-4	268	268.5	0	0	0	0	0	0
KL-4	268.5	269	0	0	0	0	0	0
KL-4	269	269.5	0	0	0	2250.51	0	0
KL-4	269.5	270	100	0	0	2252.87	0	8.33
KL-4	270	270.5	0	0	0	0	0	0
KL-4	270.5	271	0	0	0	0	0	0
KL-4	271	271.5	0	0	0	0	0	0
KL-4	271.5	272	0	0	0	0	0	0
KL-4	272	272.5	0	0	0	0	0	0
KL-4	272.5	273	0	0	0	0	0	0
KL-4	273	273.5	0	0	0	0	0	0
KL-4	273.5	274	0	0	0	0	0	0
KL-4	274	274.5	0	0	0	0	0	0
KL-4	274.5	275	0	0	0	0	0	0
KL-4	275	275.5	0	0	0	0	0	0
KL-4	275.5	276	0	0	0	0	0	0
KL-4	276	276.5	0	0	0	0	0	0
KL-4	276.5	277	0	0	0	0	0	0
KL-4	277	277.5	0	0	0	0	0	0
KL-4	277.5	278	0	0	0	0	0	0
KL-4	278	278.5	0	0	0	0	0	0
KL-4	278.5	279	0	0	0	0	0	0
KL-4	279	279.5	0	0	0	0	0	0
KL-4	279.5	280	0	0	0	0	0	0
KL-4	280	280.5	0	0	0	0	0	0
KL-4	280.5	281	0	0	0	0	0	0
KL-4	281	281.5	0	0	0	0	0	0
KL-4	281.5	282	0	0	0	0	0	0
KL-4	282	282.5	0	0	0	0	0	0
KL-4	282.5	283	0	0	0	0	0	0
KL-4	283	283.5	0	0	0	0	0	0
KL-4	283.5	284	0	0	0	0	0	0
KL-4	284	284.5	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
KL-4	268	268.5	0	0
KL-4	268.5	269	0	0
KL-4	269	269.5	100	0
KL-4	269.5	270	75	16.67
KL-4	270	270.5	0	0
KL-4	270.5	271	0	0
KL-4	271	271.5	0	0
KL-4	271.5	272	0	0
KL-4	272	272.5	0	0
KL-4	272.5	273	0	0
KL-4	273	273.5	0	0
KL-4	273.5	274	0	0
KL-4	274	274.5	0	0
KL-4	274.5	275	0	0
KL-4	275	275.5	0	0
KL-4	275.5	276	0	0
KL-4	276	276.5	0	0
KL-4	276.5	277	0	0
KL-4	277	277.5	0	0
KL-4	277.5	278	0	0
KL-4	278	278.5	0	0
KL-4	278.5	279	0	0
KL-4	279	279.5	0	0
KL-4	279.5	280	0	0
KL-4	280	280.5	0	0
KL-4	280.5	281	0	0
KL-4	281	281.5	0	0
KL-4	281.5	282	0	0
KL-4	282	282.5	0	0
KL-4	282.5	283	0	0
KL-4	283	283.5	0	0
KL-4	283.5	284	0	0
KL-4	284	284.5	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
KL-4	284.5	285	11482	0.31	89.04	0	0	0.84	0
KL-4	285	285.5	19573	0.28	74.42	0	0	10.39	0
KL-4	285.5	286	19018	0.57	69.4	0	0	5.83	0
KL-4	286	286.5	6100	0.43	67.52	0	0	15.15	0
KL-4	286.5	287	17305	0.34	75.19	0	0	8.6	0
KL-4	287	287.5	20675	0.81	72.26	0	0	13.15	0
KL-4	287.5	288	18746	1.14	55.14	0	0	23.33	0
KL-4	288	288.5	11614	0.65	51.15	0	0	26.41	0
KL-4	288.5	289	15212	0.34	50.08	0	0	22.82	0
KL-4	289	289.5	15395	2.88	66.2	0	0	4.28	0
KL-4	289.5	290	14605	1.85	76.58	0	0	7.65	0
KL-4	290	290.5	15089	0.48	64.99	0	0	6.87	0
KL-4	290.5	291	15969	0.87	52.5	0	0	16	0
KL-4	291	291.5	14430	0.22	64.57	0	0	17.01	0
KL-4	291.5	292	9945	0.46	69.99	0	0	2.54	0
KL-4	292	292.5	13664	0.29	73.49	0	0	6.4	0
KL-4	292.5	293	16389	1.04	66.99	0	0	5.25	0
KL-4	293	293.5	16147	0.97	65.76	0	0	9.07	0
KL-4	293.5	294	13772	0.69	62.4	0	0	6.77	0
KL-4	294	294.5	12576	0.37	55.87	0	0	14.62	0
KL-4	294.5	295	16848	0.62	72.22	0	0	12.48	0
KL-4	295	295.5	15218	4.94	59.25	0	0.7	6.09	0
KL-4	295.5	296	14998	0.32	46.7	0	0	23.25	0
KL-4	296	296.5	12835	0.34	80.68	0	0	8.1	0
KL-4	296.5	297	13721	0.46	53.1	0	0	8.31	0
KL-4	297	297.5	16783	0.69	74.22	0	0	5.17	0
KL-4	297.5	298	10383	0.42	67.68	0	0	8.04	0
KL-4	298	298.5	10594	0.54	47.14	0	0	15.6	0
KL-4	298.5	299	13798	0.72	51.72	0	0	16.18	0
KL-4	299	299.5	16341	1.97	56.34	0	0	17.04	0
KL-4	299.5	300	13458	0.45	77.56	0	0	8.94	0
KL-4	300	300.5	10984	0.26	69.97	0	0	8.53	0
KL-4	300.5	301	14790	0.63	63.91	0	0	3.9	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
KL-4	284.5	285	0	0	0	0	0	0
KL-4	285	285.5	0	0	0	0	0	0
KL-4	285.5	286	0	0	0	0	0	0
KL-4	286	286.5	0	0	0	0	0	0
KL-4	286.5	287	0	0	0	0	0	0
KL-4	287	287.5	0	0	0	0	0	0
KL-4	287.5	288	0	0	0	0	0	0
KL-4	288	288.5	0	0	0	0	0	0
KL-4	288.5	289	0	0	0	0	0	0
KL-4	289	289.5	0	0	0	0.01	0	0
KL-4	289.5	290	0	0	0	0	0	0
KL-4	290	290.5	0	0	0	0	0	0
KL-4	290.5	291	0	0.07	0	0	0	0
KL-4	291	291.5	0	0	0	0	0	0
KL-4	291.5	292	0	0	0	0	0	0
KL-4	292	292.5	0	0	0	0	0	0
KL-4	292.5	293	0	0	0	0	0	0
KL-4	293	293.5	0	0	0	0	0	0
KL-4	293.5	294	0	0	0	0	0	0
KL-4	294	294.5	0	0	0	0	0	0
KL-4	294.5	295	0	0	0	0	0	0
KL-4	295	295.5	0.01	0	0	0	0	0.43
KL-4	295.5	296	0	0	0	0	0	0
KL-4	296	296.5	0	0	0	0	0	0
KL-4	296.5	297	0	0	0.01	0	0	0.34
KL-4	297	297.5	0	0	0	0	0	0
KL-4	297.5	298	0	0	0	0	0	0
KL-4	298	298.5	0	0	0	0	0	0
KL-4	298.5	299	0	0	0	0	0	0
KL-4	299	299.5	0	0	0	0	0	0
KL-4	299.5	300	0	0	0	0	0	0
KL-4	300	300.5	0	0	0	0	0	0
KL-4	300.5	301	0	0	0	0	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
KL-4	284.5	285	0.84	7.17	90.79	0	0	1.23
KL-4	285	285.5	1.15	9.88	74.78	0	0	0
KL-4	285.5	286	0.11	20.98	69.67	0	0	0.01
KL-4	286	286.5	3.7	6.46	68.16	0.16	0	0.13
KL-4	286.5	287	1.08	12.38	75.61	0	0	0.09
KL-4	287	287.5	0.28	3.6	73.41	0.26	0	0.31
KL-4	287.5	288	0.28	5.73	56.9	0.52	0	0.01
KL-4	288	288.5	1.89	4.93	52.8	0.22	0	0.48
KL-4	288.5	289	4.87	10.88	51.22	0.02	0	0.03
KL-4	289	289.5	1.67	17.35	70.22	1.75	0	0
KL-4	289.5	290	0.89	7.74	79.42	0.49	0	0.01
KL-4	290	290.5	5	20.06	65.64	0	0	0.02
KL-4	290.5	291	3.25	17.28	55.54	0.13	0	0
KL-4	291	291.5	2.43	7.19	65.74	0.01	0	0
KL-4	291.5	292	2.4	20.23	72.3	0	0	3.35
KL-4	292	292.5	0.2	15.87	73.73	0	0	0
KL-4	292.5	293	0.99	21.31	69.03	0.49	0	0.01
KL-4	293	293.5	1.76	13.56	69.29	0.46	0	0
KL-4	293.5	294	4.04	22.88	64.89	0	0	2.03
KL-4	294	294.5	1.44	18.78	57.95	0.06	0	0.18
KL-4	294.5	295	0.68	5.74	74.42	0.01	0	0
KL-4	295	295.5	1.73	19.14	63.83	0.3	0	0.12
KL-4	295.5	296	1.52	18.29	47.53	0	0	0.09
KL-4	296	296.5	0.12	5.28	81.17	0.08	0	0
KL-4	296.5	297	2	31.67	53.6	0	0	0.04
KL-4	297	297.5	1.04	16.29	74.34	0	0	0.01
KL-4	297.5	298	1.59	18.15	67.93	0	0	0
KL-4	298	298.5	5.53	28.39	47.15	0	0	0
KL-4	298.5	299	6.72	17.34	52.44	0.09	0	0
KL-4	299	299.5	1.93	13.81	58.93	0.45	0	0.07
KL-4	299.5	300	0.25	10.54	78.08	0	0	0
KL-4	300	300.5	4.12	12.66	71.26	0	0	0.36
KL-4	300.5	301	5.44	23.36	65.64	0.22	0	0

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
KL-4	284.5	285	0	0	0	0	0
KL-4	285	285.5	0	0	0	0	0
KL-4	285.5	286	0	0	0	0	0
KL-4	286	286.5	0	0.03	0	0	0
KL-4	286.5	287	0	0	0	0	0
KL-4	287	287.5	0	0	0	0	0
KL-4	287.5	288	0	0	0	0	0
KL-4	288	288.5	0	0	0	0	0
KL-4	288.5	289	0	0	0	0	0
KL-4	289	289.5	0	0	0	0	0
KL-4	289.5	290	0	0	0	0	0
KL-4	290	290.5	0	0	0	0	0
KL-4	290.5	291	0	0	0	0	949.65
KL-4	291	291.5	0	0	0	0	0
KL-4	291.5	292	0	0	0	0	0
KL-4	292	292.5	0	0	0	0	0
KL-4	292.5	293	0	0	0	0	0
KL-4	293	293.5	0	0	0	0	0
KL-4	293.5	294	0	0	0	0	0
KL-4	294	294.5	0	0	0	0	0
KL-4	294.5	295	0	0	0	0	0
KL-4	295	295.5	0.02	0	0	2339.89	959.86
KL-4	295.5	296	0	0	0	0	0
KL-4	296	296.5	0	0	0	0	0
KL-4	296.5	297	0	0	0	0	0
KL-4	297	297.5	0	0	0	0	0
KL-4	297.5	298	0	0	0	0	0
KL-4	298	298.5	0	0	0	0	0
KL-4	298.5	299	0	0.01	0	0	0
KL-4	299	299.5	0	0	0	0	0
KL-4	299.5	300	0	0	0	0	0
KL-4	300	300.5	0	0	0	0	0
KL-4	300.5	301	0	0	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
KL-4	284.5	285	0	0	0	0	0
KL-4	285	285.5	0	0	0	0	0
KL-4	285.5	286	0	0	0	0	0
KL-4	286	286.5	0	0.34	2201.46	0	0
KL-4	286.5	287	0	0	0	0	0
KL-4	287	287.5	0	0	0	0	0
KL-4	287.5	288	0	0	0	0	0
KL-4	288	288.5	0	0	0	0	0
KL-4	288.5	289	0	0	0	0	0
KL-4	289	289.5	1.00797	0	0	0	0
KL-4	289.5	290	0	0	0	0	0
KL-4	290	290.5	0	0	0	0	0
KL-4	290.5	291	0	0	0	0	0
KL-4	291	291.5	0	0	0	0	0
KL-4	291.5	292	0	0	0	0	0
KL-4	292	292.5	0	0	0	0	0
KL-4	292.5	293	0	0	0	0	0
KL-4	293	293.5	0	0	0	0	0
KL-4	293.5	294	0	0	0	0	0
KL-4	294	294.5	0	0	0	0	0
KL-4	294.5	295	0	0	0	0	0
KL-4	295	295.5	0	0	0	0	0
KL-4	295.5	296	0	0	0	0	0
KL-4	296	296.5	0	0	0	0	0
KL-4	296.5	297	0	0	0	0	0
KL-4	297	297.5	0	0	0	0	0
KL-4	297.5	298	0	0	0	0	0
KL-4	298	298.5	0	0	0	0	0
KL-4	298.5	299	0	0.3	0	100	0
KL-4	299	299.5	0	0	0	0	0
KL-4	299.5	300	0	0	0	0	0
KL-4	300	300.5	0	0	0	0	0
KL-4	300.5	301	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
KL-4	284.5	285	0	0	0	0	0	0
KL-4	285	285.5	0	0	0	0	0	0
KL-4	285.5	286	0	0	0	0	0	0
KL-4	286	286.5	100	0	0	0	0	0
KL-4	286.5	287	0	0	0	0	0	0
KL-4	287	287.5	0	0	0	0	0	0
KL-4	287.5	288	0	0	0	0	0	0
KL-4	288	288.5	0	0	0	0	0	0
KL-4	288.5	289	0	0	0	0	0	0
KL-4	289	289.5	0	0	0	0	0	0
KL-4	289.5	290	0	0	0	0	0	0
KL-4	290	290.5	0	0	0	0	0	0
KL-4	290.5	291	0	0	0	0	0	0
KL-4	291	291.5	0	0	0	0	0	0
KL-4	291.5	292	0	0	0	0	0	0
KL-4	292	292.5	0	0	0	0	0	0
KL-4	292.5	293	0	0	0	0	0	0
KL-4	293	293.5	0	0	0	0	0	0
KL-4	293.5	294	0	0	0	0	0	0
KL-4	294	294.5	0	0	0	0	0	0
KL-4	294.5	295	0	0	0	0	0	0
KL-4	295	295.5	0	0	0	0	0	0
KL-4	295.5	296	0	0	0	0	0	0
KL-4	296	296.5	0	0	0	0	0	0
KL-4	296.5	297	0	0	0	0	0	0
KL-4	297	297.5	0	0	0	0	0	0
KL-4	297.5	298	0	0	0	0	0	0
KL-4	298	298.5	0	0	0	0	0	0
KL-4	298.5	299	0	0	0	0	0	0
KL-4	299	299.5	0	0	0	0	0	0
KL-4	299.5	300	0	0	0	0	0	0
KL-4	300	300.5	0	0	0	0	0	0
KL-4	300.5	301	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
KL-4	284.5	285	0	0
KL-4	285	285.5	0	0
KL-4	285.5	286	0	0
KL-4	286	286.5	0	0
KL-4	286.5	287	0	0
KL-4	287	287.5	0	0
KL-4	287.5	288	0	0
KL-4	288	288.5	0	0
KL-4	288.5	289	0	0
KL-4	289	289.5	0	0
KL-4	289.5	290	0	0
KL-4	290	290.5	0	0
KL-4	290.5	291	0	0
KL-4	291	291.5	0	0
KL-4	291.5	292	0	0
KL-4	292	292.5	0	0
KL-4	292.5	293	0	0
KL-4	293	293.5	0	0
KL-4	293.5	294	0	0
KL-4	294	294.5	0	0
KL-4	294.5	295	0	0
KL-4	295	295.5	0	0
KL-4	295.5	296	0	0
KL-4	296	296.5	0	0
KL-4	296.5	297	0	0
KL-4	297	297.5	0	0
KL-4	297.5	298	0	0
KL-4	298	298.5	0	0
KL-4	298.5	299	0	0
KL-4	299	299.5	0	0
KL-4	299.5	300	0	0
KL-4	300	300.5	0	0
KL-4	300.5	301	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
KL-4	301	301.5	14945	0.43	70.41	0	0	6.96	0
KL-4	301.5	302	9415	3.54	28.62	0	0.07	0.57	0
KL-4	302	302.5	14923	0.57	62.4	0	0	11.34	0
KL-4	302.5	303	16965	0.34	67.5	0	0	10.24	0
KL-4	303	303.5	13109	0.92	59.59	0	0	5.59	0
KL-4	303.5	304	10488	0.35	61.15	0	0	4.89	0
KL-4	304	304.5	14631	0.98	48.86	0	0	3.42	0
KL-4	304.5	305	14734	0.6	58.17	0	0	1.72	0
KL-4	305	305.5	14986	0.69	80.13	0	0	2.26	0
KL-4	305.5	306	14917	0.66	73.36	0	0	3.21	0
KL-4	306	306.5	12876	0.65	70.11	0	0	12.71	0
KL-4	306.5	307	17852	1.05	62.88	0	0.8	10.3	0.01
KL-4	307	307.5	18065	0.37	79.72	0	0	8.74	0
KL-4	307.5	308	12023	0.29	79.05	0	0	7.64	0
KL-4	308	308.5	12436	0.6	47.65	0	0	27.04	0
KL-4	308.5	309	13115	0.48	48.04	0	0	9.79	0
KL-4	309	309.5	15024	0.31	75.67	0	0	12.17	0
KL-4	309.5	310	9544	0.39	54.24	0	0	4.67	0
KL-4	310	310.5	11287	0.37	59.34	0	0	4.18	0
KL-4	310.5	311	12355	0.24	76.46	0	0	4.78	0
KL-4	311	311.5	9129	0.8	53.7	0	0	5.21	0
KL-4	311.5	312	12989	14.67	43.71	0	0	1.21	0
KL-4	312	312.5	4343	0.18	48.72	0	0	8.66	0
KL-4	312.5	313	14039	0.26	68.01	0	0	8.84	0
KL-4	313	313.5	12401	0.9	58.45	0	0	8.21	0
KL-4	313.5	314	12457	0.49	62.95	0	0	5.27	0
KL-4	314	314.5	12460	0.46	68.05	0	0	1.98	0
KL-4	314.5	315	1831	0.27	65.59	0	0	4.7	0
KL-4	315	315.5	13238	0.22	79.1	0	0	3.59	0
KL-4	315.5	316	13069	0.36	77.22	0	0	4.48	0
KL-4	316	316.5	10781	0.46	80.55	0	0	1.08	0
KL-4	316.5	317	12827	0.37	60.76	0	0	8.36	0
KL-4	317	317.5	6727	0.07	54.27	0	0	24.48	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
KL-4	301	301.5	0	0	0	0	0	0
KL-4	301.5	302	0	0	3.44	0	0.89	35.31
KL-4	302	302.5	0	0	0	0	0	0
KL-4	302.5	303	0	0	0	0	0.01	0.18
KL-4	303	303.5	0	0	0.04	0	0.17	2.18
KL-4	303.5	304	0	0	0	0	0	0
KL-4	304	304.5	0	0	0	0	0	0
KL-4	304.5	305	0	0	0	0	0	0
KL-4	305	305.5	0	0	0	0	0	0
KL-4	305.5	306	0	0	0	0	0	0
KL-4	306	306.5	0	0	0	0	0	0
KL-4	306.5	307	0	0	0.08	0	0.21	2.16
KL-4	307	307.5	0	0	0	0	0	0
KL-4	307.5	308	0	0	0	0	0	0
KL-4	308	308.5	0	0	0	0	0	0
KL-4	308.5	309	0	0	0	0	0	0
KL-4	309	309.5	0	0	0	0	0	0
KL-4	309.5	310	0	0	0	0	0	0
KL-4	310	310.5	0	0	0	0	0	0
KL-4	310.5	311	0	0	0	0	0	0
KL-4	311	311.5	0	0	0	0	0	0
KL-4	311.5	312	0	0	0	0	0	0
KL-4	312	312.5	0	0	0	0	0	0
KL-4	312.5	313	0	0	0	0	0	0
KL-4	313	313.5	0	0.02	0	0	0	0
KL-4	313.5	314	0	0	0	0	0	0
KL-4	314	314.5	0	0	0	0	0	0.95
KL-4	314.5	315	0	0	0	0	0	0
KL-4	315	315.5	0	0	0	0	0	0
KL-4	315.5	316	0	0	0	0	0	0
KL-4	316	316.5	0	0	0	0	0	0
KL-4	316.5	317	0	0.03	0	0	0	0
KL-4	317	317.5	0	0	0	0	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
KL-4	301	301.5	5.41	12.82	71.41	0.05	0	0
KL-4	301.5	302	16.1	28.67	29.41	0	0	0.37
KL-4	302	302.5	4.21	14.33	64.5	0	0	1.53
KL-4	302.5	303	1.41	14.36	68.79	0	0	0.85
KL-4	303	303.5	5.16	25.1	61.45	0	0	0.79
KL-4	303.5	304	3.75	27.32	61.37	0	0	0
KL-4	304	304.5	2.76	41.47	50.31	0.16	0	0.05
KL-4	304.5	305	0.07	38.73	58.25	0	0	0
KL-4	305	305.5	3.86	11.91	82.53	0	0	1.67
KL-4	305.5	306	1.22	19.23	74.25	0.01	0	0.21
KL-4	306	306.5	1.19	11.03	70.78	0.01	0	0.25
KL-4	306.5	307	0.65	18.5	65.73	0.3	0	0
KL-4	307	307.5	0.58	6.19	80.35	0	0	0.02
KL-4	307.5	308	2.82	6.69	80.05	0	0	0.85
KL-4	308	308.5	3.42	8.31	49.07	0.25	0	0.06
KL-4	308.5	309	6.63	30.97	48.23	0	0	0.34
KL-4	309	309.5	1.58	5.37	76.03	0.05	0	0
KL-4	309.5	310	11.03	29.8	55.66	0	0	1.1
KL-4	310	310.5	20.6	13.24	61.46	0	0	3.46
KL-4	310.5	311	9.72	5.24	77.45	0.02	0	0.93
KL-4	311	311.5	19.17	22.73	54.05	0	0	0
KL-4	311.5	312	8.51	32.6	43.83	0	0	0.02
KL-4	312	312.5	19.89	23.53	49.09	0	0	0.71
KL-4	312.5	313	5.39	15.34	68.47	0	0	0.28
KL-4	313	313.5	6.81	23.24	59.9	0.16	0	0.02
KL-4	313.5	314	5.01	24.36	63.65	0.1	0	0.07
KL-4	314	314.5	1.47	27.34	69	0	0	0.34
KL-4	314.5	315	1.42	24.09	65.59	0	0	0
KL-4	315	315.5	1.09	14.99	79.39	0	0	0
KL-4	315.5	316	2.23	12.03	77.77	0	0	0.6
KL-4	316	316.5	1.64	16.19	80.74	0	0	0
KL-4	316.5	317	9.94	17.96	62.08	0	0	0.55
KL-4	317	317.5	0.67	9.84	54.38	0	0	0

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
KL-4	301	301.5	0	0	0	0	0
KL-4	301.5	302	0	0	0	2333.4	0
KL-4	302	302.5	0	0	0	0	0
KL-4	302.5	303	0	0.03	0	0	0
KL-4	303	303.5	0	0.36	0	0	0
KL-4	303.5	304	0	0	0	0	0
KL-4	304	304.5	0	0	0	0	0
KL-4	304.5	305	0	0	0	0	0
KL-4	305	305.5	0	0	0	0	0
KL-4	305.5	306	0	0	0	0	0
KL-4	306	306.5	0	0	0	0	0
KL-4	306.5	307	0	0.02	0	2331.38	0
KL-4	307	307.5	0	0	0	0	0
KL-4	307.5	308	0	0	0	0	0
KL-4	308	308.5	0	0	0	0	0
KL-4	308.5	309	0	0	0	0	0
KL-4	309	309.5	0	0	0	0	0
KL-4	309.5	310	0	0	0	0	0
KL-4	310	310.5	0	0	0	0	0
KL-4	310.5	311	0	0	0	0	0
KL-4	311	311.5	0	0	0	0	0
KL-4	311.5	312	0	0	0	0	0
KL-4	312	312.5	0	0	0	0	0
KL-4	312.5	313	0	0	0	0	0
KL-4	313	313.5	0	0	0	0	0
KL-4	313.5	314	0	0	0	0	0
KL-4	314	314.5	0	0	0	0	0
KL-4	314.5	315	0	0	0	0	0
KL-4	315	315.5	0	0	0	0	0
KL-4	315.5	316	0	0	0	0	0
KL-4	316	316.5	0	0	0	0	0
KL-4	316.5	317	0	0	0	0	0
KL-4	317	317.5	0	0	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
KL-4	301	301.5	0	0	0	0	0
KL-4	301.5	302	0	0	0	0	0
KL-4	302	302.5	0	0	0	0	0
KL-4	302.5	303	0	0.58	2205.15	0	0
KL-4	303	303.5	0	0.71	2204.26	0	0
KL-4	303.5	304	0	0	0	0	0
KL-4	304	304.5	0	0	0	0	0
KL-4	304.5	305	0	0	0	0	0
KL-4	305	305.5	0	0	0	0	0
KL-4	305.5	306	0	0	0	0	0
KL-4	306	306.5	0	0	0	0	0
KL-4	306.5	307	0	0.39	2210.72	0	0
KL-4	307	307.5	0	0	0	0	0
KL-4	307.5	308	0	0	0	0	0
KL-4	308	308.5	0	0	0	0	0
KL-4	308.5	309	0	0	0	0	0
KL-4	309	309.5	0	0	0	0	0
KL-4	309.5	310	0	0	0	0	0
KL-4	310	310.5	0	0	0	0	0
KL-4	310.5	311	0	0	0	0	0
KL-4	311	311.5	0	0	0	0	0
KL-4	311.5	312	0	0	0	0	0
KL-4	312	312.5	0	0	0	0	0
KL-4	312.5	313	0	0	0	0	0
KL-4	313	313.5	0	0	0	0	0
KL-4	313.5	314	0	0	0	0	0
KL-4	314	314.5	0	0	0	0	0
KL-4	314.5	315	0	0	0	0	0
KL-4	315	315.5	0	0	0	0	0
KL-4	315.5	316	0	0	0	0	0
KL-4	316	316.5	0	0	0	0	0
KL-4	316.5	317	0	0	0	0	0
KL-4	317	317.5	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
KL-4	301	301.5	0	0	0	0	0	0
KL-4	301.5	302	0	0	0	0	0	0
KL-4	302	302.5	0	0	0	0	0	0
KL-4	302.5	303	100	0	0	0	0	0
KL-4	303	303.5	95.74	4.26	0	0	0	0
KL-4	303.5	304	0	0	0	0	0	0
KL-4	304	304.5	0	0	0	0	0	0
KL-4	304.5	305	0	0	0	0	0	0
KL-4	305	305.5	0	0	0	0	0	0
KL-4	305.5	306	0	0	0	0	0	0
KL-4	306	306.5	0	0	0	0	0	0
KL-4	306.5	307	0	100	0	0	0	0
KL-4	307	307.5	0	0	0	0	0	0
KL-4	307.5	308	0	0	0	0	0	0
KL-4	308	308.5	0	0	0	0	0	0
KL-4	308.5	309	0	0	0	0	0	0
KL-4	309	309.5	0	0	0	0	0	0
KL-4	309.5	310	0	0	0	0	0	0
KL-4	310	310.5	0	0	0	0	0	0
KL-4	310.5	311	0	0	0	0	0	0
KL-4	311	311.5	0	0	0	0	0	0
KL-4	311.5	312	0	0	0	0	0	0
KL-4	312	312.5	0	0	0	0	0	0
KL-4	312.5	313	0	0	0	0	0	0
KL-4	313	313.5	0	0	0	0	0	0
KL-4	313.5	314	0	0	0	0	0	0
KL-4	314	314.5	0	0	0	0	0	0
KL-4	314.5	315	0	0	0	0	0	0
KL-4	315	315.5	0	0	0	0	0	0
KL-4	315.5	316	0	0	0	0	0	0
KL-4	316	316.5	0	0	0	0	0	0
KL-4	316.5	317	0	0	0	0	0	0
KL-4	317	317.5	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
KL-4	301	301.5	0	0
KL-4	301.5	302	0	0
KL-4	302	302.5	0	0
KL-4	302.5	303	0	0
KL-4	303	303.5	0	0
KL-4	303.5	304	0	0
KL-4	304	304.5	0	0
KL-4	304.5	305	0	0
KL-4	305	305.5	0	0
KL-4	305.5	306	0	0
KL-4	306	306.5	0	0
KL-4	306.5	307	0	0
KL-4	307	307.5	0	0
KL-4	307.5	308	0	0
KL-4	308	308.5	0	0
KL-4	308.5	309	0	0
KL-4	309	309.5	0	0
KL-4	309.5	310	0	0
KL-4	310	310.5	0	0
KL-4	310.5	311	0	0
KL-4	311	311.5	0	0
KL-4	311.5	312	0	0
KL-4	312	312.5	0	0
KL-4	312.5	313	0	0
KL-4	313	313.5	0	0
KL-4	313.5	314	0	0
KL-4	314	314.5	0	0
KL-4	314.5	315	0	0
KL-4	315	315.5	0	0
KL-4	315.5	316	0	0
KL-4	316	316.5	0	0
KL-4	316.5	317	0	0
KL-4	317	317.5	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
KL-4	317.5	318	14224	0.07	63.9	0	0	22.64	0
KL-4	318	318.5	12608	0.1	73.58	0	0	12.59	0
KL-4	318.5	319	11077	0.52	71.38	0	0.04	1.35	0
KL-4	319	319.5	1351	0	53.66	0	0	0.15	0
KL-4	319.5	320	6496	0.37	82.31	0	0	3.22	0
KL-4	320	320.5	13454	0.27	77.43	0	0	6.85	0
KL-4	320.5	321	13201	0.38	65.43	0	0	10.79	0
KL-4	321	321.5	12003	0.54	69.52	0	0	15.45	0
KL-4	321.5	322	12266	0.86	81.05	0	0	2.2	0
KL-4	322	322.5	10113	0.58	63.67	0	0	10.16	0
KL-4	322.5	323	14981	0.35	56.04	0	0	2.9	0
KL-4	323	323.5	12582	0.45	59.07	0	0	2.77	0
KL-4	323.5	324	12156	0.35	62.04	0	0	2.71	0
KL-4	324	324.5	8356	0.49	56.04	0	0	7.54	0
KL-4	324.5	325	12733	0.69	43.9	0	0.93	7.16	0
KL-4	325	325.5	11585	0.41	45.54	0	0	10.76	0
KL-4	325.5	326	6241	0.5	75.18	0	0	1.25	0
KL-4	326	326.5	13799	0.49	70.45	0	0	0.23	0
KL-4	326.5	327	15418	0.38	74.58	0	0	10.91	0
KL-4	327	327.5	16341	0.45	74.56	0	0	4.25	0
KL-4	327.5	328	10726	0.9	70.08	0	0	2.09	0
KL-4	328	328.5	13798	0.75	65.55	0	0	11.57	0
KL-4	328.5	329	17823	0.35	68.19	0	0	12.2	0.01
KL-4	329	329.5	17292	0.85	49.31	0	0.01	15.53	0
KL-4	329.5	330	15146	0.48	80.44	0	0	3.43	0
KL-4	330	330.5	9411	2.11	52.58	0.04	0	7.67	0
KL-4	330.5	331	15231	2.61	41.38	0.07	3.84	14.86	0.01
KL-4	331	331.5	14510	0.32	75.71	0	0	5.56	0
KL-4	331.5	332	9517	2.44	23.97	0.09	7.41	2.13	0
KL-4	332	332.5	14348	0.65	77.73	0	0	0.47	0
KL-4	332.5	333	15699	0.27	73.04	0	0	2.31	0
KL-4	333	333.5	19517	0.23	76.08	0	0	1.36	0
KL-4	333.5	334	7865	0.11	56.13	0	0	13.26	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
KL-4	317.5	318	0	0	0	0	0	0
KL-4	318	318.5	0	0	0	0	0	0
KL-4	318.5	319	0	0	0	0	0	0
KL-4	319	319.5	0	0	0	0	0	0
KL-4	319.5	320	0	0	0	0	0	0
KL-4	320	320.5	0	0	0	0	0	0
KL-4	320.5	321	0	0	0	0	0	0
KL-4	321	321.5	0	0	0	0	0	0
KL-4	321.5	322	0	0	0	0	0	0
KL-4	322	322.5	0	0	0	0	0	0
KL-4	322.5	323	0	0	0	0	0	0
KL-4	323	323.5	0	0	0	0	0	0
KL-4	323.5	324	0	0	0	0	0	0
KL-4	324	324.5	0	0	0	0	0	0
KL-4	324.5	325	0	0	0	0	0	0
KL-4	325	325.5	0	0	0	0	0	0
KL-4	325.5	326	0	0	0	0	0	0
KL-4	326	326.5	0	0	0	0	0	0
KL-4	326.5	327	0	0	0	0	0	0
KL-4	327	327.5	0	0	0	0	0	0
KL-4	327.5	328	0	0	0	0	0	0
KL-4	328	328.5	0	0	0	0	0	0
KL-4	328.5	329	0	0	0	0	0	0
KL-4	329	329.5	0	0	0	0.01	0	0
KL-4	329.5	330	0	0	0	0	0	0
KL-4	330	330.5	0	0.07	0.01	0.04	0	0.1
KL-4	330.5	331	0	0.11	0.33	1.96	2.74	25.11
KL-4	331	331.5	0	0	0	0	0	0
KL-4	331.5	332	0	0	0	0	0	0
KL-4	332	332.5	0	0	0	0	0	0
KL-4	332.5	333	0	0	0	0	0	0
KL-4	333	333.5	0	0	0	0	0	0
KL-4	333.5	334	0	0	0	0	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
KL-4	317.5	318	0.83	4.37	64.06	0	0	0.05
KL-4	318	318.5	1.94	8.27	73.79	0	0	0.3
KL-4	318.5	319	3.76	22.65	73.03	0	0	1.34
KL-4	319	319.5	1.11	45.15	53.74	0	0	0
KL-4	319.5	320	0	11.92	83.17	0.06	0	0
KL-4	320	320.5	0.26	12.93	77.75	0	0	0.19
KL-4	320.5	321	0.95	14.82	65.76	0	0	0.2
KL-4	321	321.5	0.62	7.59	70.88	0.17	0	0
KL-4	321.5	322	1.77	10.09	83.93	0.05	0	1.02
KL-4	322	322.5	5.2	15.08	64.05	0	0	0.12
KL-4	322.5	323	2.12	37.65	56.79	0.03	0	0
KL-4	323	323.5	2.3	33.02	61.9	0.01	0	1.83
KL-4	323.5	324	0.09	32.39	62.22	0	0	0
KL-4	324	324.5	0.78	31.31	56.65	0	0	0.34
KL-4	324.5	325	0.93	41.84	44.8	0	0	0.05
KL-4	325	325.5	0.31	35.78	45.75	0	0	0
KL-4	325.5	326	0.74	20.54	75.82	0	0	0
KL-4	326	326.5	0.28	28.65	70.53	0	0	0
KL-4	326.5	327	0.42	9.77	75.48	0	0	0
KL-4	327	327.5	2.69	15.78	74.98	0	0	0
KL-4	327.5	328	0.62	23.77	72.15	0.02	0	0
KL-4	328	328.5	4.81	14.64	66.06	0.09	0	0.7
KL-4	328.5	329	2.65	12.42	68.29	0	0	0.02
KL-4	329	329.5	3.44	21.78	50.58	0.16	0	0.05
KL-4	329.5	330	0.81	13.19	81.06	0.01	0	0
KL-4	330	330.5	1.64	29.7	53.78	0.92	0	0.34
KL-4	330.5	331	5.89	15.48	45.5	0	0	0.51
KL-4	331	331.5	3.25	12.45	75.98	0	0	0
KL-4	331.5	332	12.77	46	30.19	0.18	0	1.54
KL-4	332	332.5	2.3	18.35	78.51	0.07	0	0
KL-4	332.5	333	5.26	19.45	73.13	0	0	0
KL-4	333	333.5	10.03	12.87	76.39	0	0	0
KL-4	333.5	334	26.08	3.37	56.41	0	0	0

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
KL-4	317.5	318	0	0	0	0	0
KL-4	318	318.5	0	0	0	0	0
KL-4	318.5	319	0	0	0	2334.95	0
KL-4	319	319.5	0	0	0	0	0
KL-4	319.5	320	0	0	0	0	0
KL-4	320	320.5	0	0	0	0	0
KL-4	320.5	321	0	0	0	0	0
KL-4	321	321.5	0	0	0	0	0
KL-4	321.5	322	0	0	0	0	0
KL-4	322	322.5	0	0	0	0	0
KL-4	322.5	323	0	0	0	0	0
KL-4	323	323.5	0	0	0	0	0
KL-4	323.5	324	0	0	0	0	0
KL-4	324	324.5	0	0	0	0	0
KL-4	324.5	325	0	0	0	2336.78	0
KL-4	325	325.5	0	0	0	0	0
KL-4	325.5	326	0	0	0	0	0
KL-4	326	326.5	0	0	0	0	0
KL-4	326.5	327	0	0	0	0	0
KL-4	327	327.5	0	0	0	0	0
KL-4	327.5	328	0	0	0	0	0
KL-4	328	328.5	0	0	0	0	0
KL-4	328.5	329	0	0	0	0	0
KL-4	329	329.5	0	0	0	2340.21	0
KL-4	329.5	330	0	0	0	0	0
KL-4	330	330.5	0	0	0	2342.89	0
KL-4	330.5	331	0	0.09	0.04	2324.95	887.35
KL-4	331	331.5	0	0	0	0	0
KL-4	331.5	332	0.63	0	0	2336.62	0
KL-4	332	332.5	0	0	0	0	0
KL-4	332.5	333	0	0	0	0	0
KL-4	333	333.5	0	0	0	0	0
KL-4	333.5	334	0	0	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
KL-4	317.5	318	0	0	0	0	0
KL-4	318	318.5	0	0	0	0	0
KL-4	318.5	319	0	0	0	0	0
KL-4	319	319.5	0	0	0	0	0
KL-4	319.5	320	0	0	0	0	0
KL-4	320	320.5	0	0	0	0	0
KL-4	320.5	321	0	0	0	0	0
KL-4	321	321.5	0	0	0	0	0
KL-4	321.5	322	0	0	0	0	0
KL-4	322	322.5	0	0	0	0	0
KL-4	322.5	323	0	0	0	0	0
KL-4	323	323.5	0	0	0	0	0
KL-4	323.5	324	0	0	0	0	0
KL-4	324	324.5	0	0	0	0	0
KL-4	324.5	325	0	0	0	0	0
KL-4	325	325.5	0	0	0	0	0
KL-4	325.5	326	0	0	0	0	0
KL-4	326	326.5	0	0	0	0	0
KL-4	326.5	327	0	0	0	0	0
KL-4	327	327.5	0	0	0	0	0
KL-4	327.5	328	0	0	0	0	0
KL-4	328	328.5	0	0	0	0	0
KL-4	328.5	329	0	0	0	0	0
KL-4	329	329.5	0.99659	0	0	0	0
KL-4	329.5	330	0	0	0	0	0
KL-4	330	330.5	1.00296	0	0	0	0
KL-4	330.5	331	1.00361	0.86	2206.13	0	0
KL-4	331	331.5	0	0	0	0	0
KL-4	331.5	332	0	0	0	0	0
KL-4	332	332.5	0	0	0	0	0
KL-4	332.5	333	0	0	0	0	0
KL-4	333	333.5	0	0	0	0	0
KL-4	333.5	334	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
KL-4	317.5	318	0	0	0	0	0	0
KL-4	318	318.5	0	0	0	0	0	0
KL-4	318.5	319	0	0	0	0	0	0
KL-4	319	319.5	0	0	0	0	0	0
KL-4	319.5	320	0	0	0	0	0	0
KL-4	320	320.5	0	0	0	0	0	0
KL-4	320.5	321	0	0	0	0	0	0
KL-4	321	321.5	0	0	0	0	0	0
KL-4	321.5	322	0	0	0	0	0	0
KL-4	322	322.5	0	0	0	0	0	0
KL-4	322.5	323	0	0	0	0	0	0
KL-4	323	323.5	0	0	0	0	0	0
KL-4	323.5	324	0	0	0	0	0	0
KL-4	324	324.5	0	0	0	0	0	0
KL-4	324.5	325	0	0	0	0	0	0
KL-4	325	325.5	0	0	0	0	0	0
KL-4	325.5	326	0	0	0	0	0	0
KL-4	326	326.5	0	0	0	0	0	0
KL-4	326.5	327	0	0	0	0	0	0
KL-4	327	327.5	0	0	0	0	0	0
KL-4	327.5	328	0	0	0	0	0	0
KL-4	328	328.5	0	0	0	0	0	0
KL-4	328.5	329	0	0	0	2246.18	0	100
KL-4	329	329.5	0	0	0	0	0	0
KL-4	329.5	330	0	0	0	0	0	0
KL-4	330	330.5	0	0	0	0	0	0
KL-4	330.5	331	100	0	0	0	0	0
KL-4	331	331.5	0	0	0	0	0	0
KL-4	331.5	332	0	0	0	0	0	0
KL-4	332	332.5	0	0	0	0	0	0
KL-4	332.5	333	0	0	0	0	0	0
KL-4	333	333.5	0	0	0	0	0	0
KL-4	333.5	334	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
KL-4	317.5	318	0	0
KL-4	318	318.5	0	0
KL-4	318.5	319	0	0
KL-4	319	319.5	0	0
KL-4	319.5	320	0	0
KL-4	320	320.5	0	0
KL-4	320.5	321	0	0
KL-4	321	321.5	0	0
KL-4	321.5	322	0	0
KL-4	322	322.5	0	0
KL-4	322.5	323	0	0
KL-4	323	323.5	0	0
KL-4	323.5	324	0	0
KL-4	324	324.5	0	0
KL-4	324.5	325	0	0
KL-4	325	325.5	0	0
KL-4	325.5	326	0	0
KL-4	326	326.5	0	0
KL-4	326.5	327	0	0
KL-4	327	327.5	0	0
KL-4	327.5	328	0	0
KL-4	328	328.5	0	0
KL-4	328.5	329	0	0
KL-4	329	329.5	0	0
KL-4	329.5	330	0	0
KL-4	330	330.5	0	0
KL-4	330.5	331	0	0
KL-4	331	331.5	0	0
KL-4	331.5	332	0	0
KL-4	332	332.5	0	0
KL-4	332.5	333	0	0
KL-4	333	333.5	0	0
KL-4	333.5	334	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
KL-4	334	334.5	20322	0.46	91.08	0	0	1.11	0
KL-4	334.5	335	20159	0.4	83	0	0	5.49	0
KL-4	335	335.5	20075	0.69	66.21	0	0.02	7.64	0
KL-4	335.5	336	12892	0.71	75.75	0	0	5.24	0
KL-4	336	336.5	17800	1.26	78.83	0	0	7.97	0
KL-4	336.5	337	16287	0.77	70.65	0	0	11.6	0
KL-4	337	337.5	11909	0.91	72.89	0	0	0.74	0
KL-4	337.5	338	15305	0.67	87.52	0	0	0.34	0
KL-4	338	338.5	16930	0.43	80.92	0	0	3.76	0
KL-4	338.5	339	14393	1.42	50.58	0	0	15.4	0
KL-4	339	339.5	13966	0.64	59.99	0	0	26.46	0
KL-4	339.5	340	18501	0.28	58.89	0	0	30.87	0
KL-4	340	340.5	16539	4.19	66.39	0	0.07	11.01	0
KL-4	340.5	341	7802	2.63	63.87	0	0	15.91	0
KL-4	341	341.5	13890	1.39	74.62	0	0	1.81	0
KL-4	341.5	342	15558	0.97	81.93	0	0	6.08	0
KL-4	342	342.5	15859	0.71	83.13	0	0	2.19	0
KL-4	342.5	343	12143	1	76.46	0	0	0.86	0
KL-4	343	343.5	9739	0.76	60.69	0	0	9.62	0
KL-4	343.5	344	11191	1.24	67.26	0	0	4.15	0
KL-4	344	344.5	13619	1.38	42.93	0.12	0.51	20.05	0
KL-4	344.5	345	88	0	57.95	0	0	13.64	0
KL-4	345	345.5	13633	0.59	55.59	0	0	15.05	0
KL-4	345.5	346	14455	0.64	75.45	0	0	7.89	0
KL-4	346	346.5	16606	0.96	71.28	0	0	8.73	0
KL-4	346.5	347	11017	0.84	59.73	0	0	3.76	0
KL-4	347	347.5	14167	0.39	61.65	0	0.01	9.8	0
KL-4	347.5	348	16338	0.37	67.87	0	0	10.06	0
KL-4	348	348.5	15818	0.48	65.24	0	0	8.09	0
KL-4	348.5	349	2985	0.03	49.55	0	0	34.3	0
KL-4	349	349.5	9613	0.79	64.81	0	0	5.03	0
KL-4	349.5	350	12683	1.65	70.62	0	0	0.58	0
KL-4	350	350.5	14477	2.97	54.22	0	0	6.11	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
KL-4	334	334.5	0	0	0	0	0	0
KL-4	334.5	335	0	0	0	0	0	0
KL-4	335	335.5	0	0	0	0.74	0	0
KL-4	335.5	336	0	0	0	0.19	0	0
KL-4	336	336.5	0	0	0	0	0	0
KL-4	336.5	337	0	0	0	0	0	0
KL-4	337	337.5	0	0	0	0	0	0
KL-4	337.5	338	0	0	0	0	0	0
KL-4	338	338.5	0	0	0	0	0	0
KL-4	338.5	339	0	0	0	0	0	0
KL-4	339	339.5	0	0	0	0	0	0
KL-4	339.5	340	0	0	0	0	0	0
KL-4	340	340.5	0	0	0	0	0	0
KL-4	340.5	341	0	0	0	0	0	0
KL-4	341	341.5	0	0	0	0	0	0
KL-4	341.5	342	0	0.01	0	0	0	0
KL-4	342	342.5	0	0	0	0	0	0
KL-4	342.5	343	0	0	0	0	0	0
KL-4	343	343.5	0	0	0	0	0	0
KL-4	343.5	344	0	0	0	0	0	0
KL-4	344	344.5	0	0	0	0	0	1.06
KL-4	344.5	345	0	0	0	0	0	0
KL-4	345	345.5	0	0	0	0	0	0
KL-4	345.5	346	0	0	0	0	0	0
KL-4	346	346.5	0	0	0	0	0	0
KL-4	346.5	347	0	0	0	0	0	0
KL-4	347	347.5	0	0	0.01	0	0	0
KL-4	347.5	348	0	0	0	0	0	0
KL-4	348	348.5	0	0	0	0	0	0
KL-4	348.5	349	0	0	0	0	0	0
KL-4	349	349.5	0	0	0	0	0	0
KL-4	349.5	350	0	0	0	0	0	0
KL-4	350	350.5	0	0	0	0	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
KL-4	334	334.5	0.8	5.4	92.09	0.03	0	0
KL-4	334.5	335	0.42	6.92	84.08	0.11	0	0.46
KL-4	335	335.5	4.95	15.4	67.2	0	0	0.01
KL-4	335.5	336	5.74	9.08	77.27	0.02	0	1.05
KL-4	336	336.5	2.57	3.69	80.71	0.16	0	0.3
KL-4	336.5	337	1.62	11.08	71.55	0.07	0	0
KL-4	337	337.5	0.09	24.28	73.69	0.07	0	0
KL-4	337.5	338	0.27	10.51	88.1	0.22	0	0
KL-4	338	338.5	0.56	12.75	81.05	0	0	0
KL-4	338.5	339	0.9	26.53	51.46	0.23	0	0
KL-4	339	339.5	3.04	4.1	60.23	0.01	0	0.06
KL-4	339.5	340	0	1.28	59.52	0	0	0
KL-4	340	340.5	1.71	6.31	71.16	1.54	0	0.31
KL-4	340.5	341	1.18	7.52	66.85	1.18	0	0
KL-4	341	341.5	0.48	19.21	75.91	0.03	0	0.01
KL-4	341.5	342	0.84	7.46	82.78	0.29	0	0
KL-4	342	342.5	0.66	11.97	84.19	0.1	0	0
KL-4	342.5	343	0.67	19.3	77.99	0	0	0.14
KL-4	343	343.5	1.11	23.42	61.47	0.07	0	0.26
KL-4	343.5	344	0.49	22.48	69.28	0.05	0	0
KL-4	344	344.5	1.78	20	47.1	0.46	0	1.06
KL-4	344.5	345	3.41	13.64	62.5	0	0	9.09
KL-4	345	345.5	0.76	21.29	56.26	0.01	0	0.21
KL-4	345.5	346	0.15	13.15	75.83	0.04	0	0
KL-4	346	346.5	0.02	12.71	72.28	0.23	0	0.07
KL-4	346.5	347	0.3	32.54	61.73	0	0	0.44
KL-4	347	347.5	1.57	20.79	62.24	0	0	0.29
KL-4	347.5	348	1.13	15.96	68.57	0	0	0.26
KL-4	348	348.5	2.76	20.24	65.77	0	0	0.37
KL-4	348.5	349	0	1.11	49.55	0	0	0
KL-4	349	349.5	0.59	26.44	64.94	0	0	0
KL-4	349.5	350	0.06	24.62	72.28	0.55	0	0
KL-4	350	350.5	0.55	28.6	58.1	1.49	0	0.19

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
KL-4	334	334.5	0	0	0	0	0
KL-4	334.5	335	0	0	0	0	0
KL-4	335	335.5	0.13	0	0	0	0
KL-4	335.5	336	0	0	0	0	0
KL-4	336	336.5	0	0	0	0	0
KL-4	336.5	337	0	0	0	0	0
KL-4	337	337.5	0	0	0	0	0
KL-4	337.5	338	0	0	0	0	0
KL-4	338	338.5	0	0	0	0	0
KL-4	338.5	339	0	0	0	0	0
KL-4	339	339.5	0	0	0	0	0
KL-4	339.5	340	0	0	0	0	0
KL-4	340	340.5	0	0	0	2339.15	0
KL-4	340.5	341	0	0	0	0	0
KL-4	341	341.5	0	0	0	0	0
KL-4	341.5	342	0	0	0	0	0
KL-4	342	342.5	0	0	0	0	0
KL-4	342.5	343	0	0	0	0	0
KL-4	343	343.5	0	0	0	0	0
KL-4	343.5	344	0	0	0	0	0
KL-4	344	344.5	0	0.03	0	2340.62	0
KL-4	344.5	345	0	0	0	0	0
KL-4	345	345.5	0	0	0	0	0
KL-4	345.5	346	0	0	0	0	0
KL-4	346	346.5	0	0	0	0	0
KL-4	346.5	347	0	0	0	0	0
KL-4	347	347.5	0	0	0	0	0
KL-4	347.5	348	0	0	0	0	0
KL-4	348	348.5	0	0	0	0	0
KL-4	348.5	349	0	0	0	0	0
KL-4	349	349.5	0	0	0	0	0
KL-4	349.5	350	0	0	0	0	0
KL-4	350	350.5	0	0	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
KL-4	334	334.5	0	0	0	0	0
KL-4	334.5	335	0	0	0	0	0
KL-4	335	335.5	1.00362	0	0	0	0
KL-4	335.5	336	1.0024	0	0	0	0
KL-4	336	336.5	0	0	0	0	0
KL-4	336.5	337	0	0	0	0	0
KL-4	337	337.5	0	0	0	0	0
KL-4	337.5	338	0	0	0	0	0
KL-4	338	338.5	0	0	0	0	0
KL-4	338.5	339	0	0	0	0	0
KL-4	339	339.5	0	0	0	0	0
KL-4	339.5	340	0	0	0	0	0
KL-4	340	340.5	0	0	0	0	0
KL-4	340.5	341	0	0	0	0	0
KL-4	341	341.5	0	0	0	0	0
KL-4	341.5	342	0	0	0	0	0
KL-4	342	342.5	0	0	0	0	0
KL-4	342.5	343	0	0	0	0	0
KL-4	343	343.5	0	0	0	0	0
KL-4	343.5	344	0	0	0	0	0
KL-4	344	344.5	0	0.36	2206.43	0	20
KL-4	344.5	345	0	0	0	0	0
KL-4	345	345.5	0	0	0	0	0
KL-4	345.5	346	0	0	0	0	0
KL-4	346	346.5	0	0	0	0	0
KL-4	346.5	347	0	0	0	0	0
KL-4	347	347.5	0	0	0	0	0
KL-4	347.5	348	0	0	0	0	0
KL-4	348	348.5	0	0	0	0	0
KL-4	348.5	349	0	0	0	0	0
KL-4	349	349.5	0	0	0	0	0
KL-4	349.5	350	0	0	0	0	0
KL-4	350	350.5	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
KL-4	334	334.5	0	0	0	0	0	0
KL-4	334.5	335	0	0	0	0	0	0
KL-4	335	335.5	0	0	0	0	0	0
KL-4	335.5	336	0	0	0	0	0	0
KL-4	336	336.5	0	0	0	0	0	0
KL-4	336.5	337	0	0	0	0	0	0
KL-4	337	337.5	0	0	0	0	0	0
KL-4	337.5	338	0	0	0	0	0	0
KL-4	338	338.5	0	0	0	0	0	0
KL-4	338.5	339	0	0	0	0	0	0
KL-4	339	339.5	0	0	0	0	0	0
KL-4	339.5	340	0	0	0	0	0	0
KL-4	340	340.5	0	0	0	0	0	0
KL-4	340.5	341	0	0	0	0	0	0
KL-4	341	341.5	0	0	0	0	0	0
KL-4	341.5	342	0	0	0	0	0	0
KL-4	342	342.5	0	0	0	0	0	0
KL-4	342.5	343	0	0	0	0	0	0
KL-4	343	343.5	0	0	0	0	0	0
KL-4	343.5	344	0	0	0	0	0	0
KL-4	344	344.5	20	40	20	0	0	0
KL-4	344.5	345	0	0	0	0	0	0
KL-4	345	345.5	0	0	0	0	0	0
KL-4	345.5	346	0	0	0	0	0	0
KL-4	346	346.5	0	0	0	0	0	0
KL-4	346.5	347	0	0	0	0	0	0
KL-4	347	347.5	0	0	0	0	0	0
KL-4	347.5	348	0	0	0	0	0	0
KL-4	348	348.5	0	0	0	0	0	0
KL-4	348.5	349	0	0	0	0	0	0
KL-4	349	349.5	0	0	0	0	0	0
KL-4	349.5	350	0	0	0	0	0	0
KL-4	350	350.5	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
KL-4	334	334.5	0	0
KL-4	334.5	335	0	0
KL-4	335	335.5	0	0
KL-4	335.5	336	0	0
KL-4	336	336.5	0	0
KL-4	336.5	337	0	0
KL-4	337	337.5	0	0
KL-4	337.5	338	0	0
KL-4	338	338.5	0	0
KL-4	338.5	339	0	0
KL-4	339	339.5	0	0
KL-4	339.5	340	0	0
KL-4	340	340.5	0	0
KL-4	340.5	341	0	0
KL-4	341	341.5	0	0
KL-4	341.5	342	0	0
KL-4	342	342.5	0	0
KL-4	342.5	343	0	0
KL-4	343	343.5	0	0
KL-4	343.5	344	0	0
KL-4	344	344.5	0	0
KL-4	344.5	345	0	0
KL-4	345	345.5	0	0
KL-4	345.5	346	0	0
KL-4	346	346.5	0	0
KL-4	346.5	347	0	0
KL-4	347	347.5	0	0
KL-4	347.5	348	0	0
KL-4	348	348.5	0	0
KL-4	348.5	349	0	0
KL-4	349	349.5	0	0
KL-4	349.5	350	0	0
KL-4	350	350.5	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
KL-4	350.5	351	5365	2.4	35.45	0	0	9.64	0
KL-4	351	351.5	10092	1.26	83.11	0	0	0.41	0
KL-4	351.5	352	12124	0.38	44.09	0	0	3.16	0
KL-4	352	352.5	13580	0.38	67.8	0	0	13.93	0
KL-4	352.5	353	14040	0.21	63.68	0	0	19.54	0
KL-4	353	353.5	8443	0.25	57.37	0	0	20.3	0
KL-4	353.5	354	13165	0.28	62.79	0	0	20.15	0
KL-4	354	354.5	13648	1.67	46.21	0	0	16.73	0
KL-4	354.5	355	12856	0.72	81.71	0	0	8.21	0
KL-4	355	355.5	155	0.65	15.48	0	0	0	0
KL-4	355.5	356	15101	0.44	73.38	0	0	11.42	0
KL-4	356	356.5	16826	0.36	82.53	0	0	3.63	0
KL-4	356.5	357	9292	0.62	62.9	0	0	7.94	0
KL-4	357	357.5	14754	0.18	78.11	0	0	13.68	0
KL-4	357.5	358	9989	0.41	54.28	0.27	0.76	26.21	0
KL-4	358	358.5	14059	0.28	30.27	0	0	47.46	0
KL-4	358.5	359	13937	0.32	71.37	0	0	10.77	0
KL-4	359	359.5	7288	0.16	57.94	0	0	25.27	0
KL-4	359.5	360	3263	0.18	57.86	0	0	30.37	0
KL-4	360	360.5	15208	0.12	38.98	0	0	44.36	0
KL-4	360.5	361	13437	0.25	61.89	0	0	15.12	0
KL-4	361	361.5	15883	1.28	62.2	0	0	12.47	0
KL-4	361.5	362	8572	0.56	77.48	0	0	6.29	0
KL-4	362	362.5	14393	0.26	55.62	0	0	26.58	0
KL-4	362.5	363	14014	0.41	69.89	0	0	9.06	0
KL-4	363	363.5	15705	0.43	49.36	0	0	23.06	0
KL-4	363.5	364	7077	0.72	53.77	0	0	7.29	0
KL-4	364	364.5	10883	2.89	20.57	0	0	63.5	0
KL-4	364.5	365	17986	0.37	80.16	0	0	6.61	0
KL-4	365	365.5	13823	0.2	53.48	0	0	23.24	0
KL-4	365.5	366	3147	0.32	29.77	0	0	22.88	0
KL-4	366	366.5	12116	0.17	54.18	0	0	21.95	0
KL-4	366.5	367	16481	0.55	83.24	0	0	7.12	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
KL-4	350.5	351	0	0	0	0	0	0
KL-4	351	351.5	0	0	0	0	0	0
KL-4	351.5	352	0	0	0	3.61	0	0
KL-4	352	352.5	0	0	0	0	0	0
KL-4	352.5	353	0	0	0	0	0	0
KL-4	353	353.5	0	0	0	0	0	0
KL-4	353.5	354	0	0	0	0	0	0
KL-4	354	354.5	0	0	0	0	0	0
KL-4	354.5	355	0	0	0	0	0	0
KL-4	355	355.5	0	0	0	0	0	0
KL-4	355.5	356	0	0	0	0	0	0.06
KL-4	356	356.5	0	0	0	0	0	0
KL-4	356.5	357	0	0	0	0	0	0
KL-4	357	357.5	0	0.02	0	0	0	0
KL-4	357.5	358	0	0	0	0	0	0.37
KL-4	358	358.5	0	0	0	0	0	0
KL-4	358.5	359	0	0	0	0	0	0
KL-4	359	359.5	0	0	0	0	0	0
KL-4	359.5	360	0	0	0	0	0	0
KL-4	360	360.5	0	0	0	0	0	0
KL-4	360.5	361	0	0	0	0	0	0
KL-4	361	361.5	0	0	0	0	0	0
KL-4	361.5	362	0	0	0	0	0	0
KL-4	362	362.5	0	0	0	0	0	0
KL-4	362.5	363	0	0	0	0	0	0
KL-4	363	363.5	0	0	0	0	0	0
KL-4	363.5	364	0	0	0	0	0	0
KL-4	364	364.5	0	0	0	0	0	0
KL-4	364.5	365	0	0	0	0	0	0
KL-4	365	365.5	0	0	0	0	0	0
KL-4	365.5	366	0	0	0	0	0	0
KL-4	366	366.5	0	0	0	0	0	0
KL-4	366.5	367	0	0	0	0	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
KL-4	350.5	351	5.5	39.66	38.38	0.34	0	0.06
KL-4	351	351.5	0.16	12.98	85.41	0.19	0	0
KL-4	351.5	352	24.14	27.07	44.98	0.06	0	0.47
KL-4	352	352.5	0.52	11.55	68.72	0	0	0
KL-4	352.5	353	1.32	4.73	64.17	0.07	0	0
KL-4	353	353.5	1.14	11.19	57.6	0	0	0.13
KL-4	353.5	354	0.94	6.52	63.65	0.08	0	0.03
KL-4	354	354.5	4.29	23.51	48.06	0	0	0.26
KL-4	354.5	355	0.01	4.93	83.37	0.03	0	0
KL-4	355	355.5	0	83.23	15.48	0	0	0
KL-4	355.5	356	1.54	10.09	73.88	0.03	0	0.08
KL-4	356	356.5	0.14	10.04	83.09	0.07	0	0
KL-4	356.5	357	1.27	22.05	63.59	0	0	0.42
KL-4	357	357.5	0.58	2.41	78.47	0.04	0	0.12
KL-4	357.5	358	0.14	10.71	55.66	0	0	0.02
KL-4	358	358.5	2.11	4.67	30.52	0.01	0	0.06
KL-4	358.5	359	1.45	11.24	71.95	0	0	0
KL-4	359	359.5	1.4	6.7	57.97	0	0	0
KL-4	359.5	360	5.39	1.2	58.75	0	0	1.13
KL-4	360	360.5	3.24	1.19	39.56	0	0	0.16
KL-4	360.5	361	9.88	8.92	62.23	0	0	0.17
KL-4	361	361.5	0.23	15.26	63.33	0.4	0	0.13
KL-4	361.5	362	0.28	11.02	78.14	0	0	0.05
KL-4	362	362.5	0.65	11.96	55.99	0	0	0.58
KL-4	362.5	363	0.97	15.35	70.31	0	0	0
KL-4	363	363.5	18.36	5.05	49.65	0.17	0	0.23
KL-4	363.5	364	1.24	32.56	55.14	0	0	0.11
KL-4	364	364.5	0.44	0.82	20.66	0.68	0	0.57
KL-4	364.5	365	0.25	10.03	80.28	0	0	0.02
KL-4	365	365.5	0.97	14.63	53.54	0	0	0
KL-4	365.5	366	1.78	32.89	29.77	0	0	0
KL-4	366	366.5	1.61	11.87	54.41	0	0	0
KL-4	366.5	367	0.01	6.38	84.07	0.07	0	0

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
KL-4	350.5	351	0	0	0	0	0
KL-4	351	351.5	0	0	0	0	0
KL-4	351.5	352	0	0	0.04	0	0
KL-4	352	352.5	0	0	0	0	0
KL-4	352.5	353	0	0	0	0	0
KL-4	353	353.5	0	0	0	0	0
KL-4	353.5	354	0	0	0	0	0
KL-4	354	354.5	0	0	0	0	0
KL-4	354.5	355	0	0	0	0	0
KL-4	355	355.5	0	0	0	0	0
KL-4	355.5	356	0	0	0	0	0
KL-4	356	356.5	0	0	0	0	0
KL-4	356.5	357	0	0	0	0	0
KL-4	357	357.5	0	0	0	0	876
KL-4	357.5	358	0.04	0	0	2337.16	0
KL-4	358	358.5	0	0	0	0	0
KL-4	358.5	359	0	0	0	0	0
KL-4	359	359.5	0	0	0	0	0
KL-4	359.5	360	0	0	0	0	0
KL-4	360	360.5	0	0	0	0	0
KL-4	360.5	361	0	0	0	0	0
KL-4	361	361.5	0	0	0	0	0
KL-4	361.5	362	0	0	0	0	0
KL-4	362	362.5	0	0	0	0	0
KL-4	362.5	363	0	0	0	0	0
KL-4	363	363.5	0	0	0	0	0
KL-4	363.5	364	0	0	0	0	0
KL-4	364	364.5	0	0	0	0	0
KL-4	364.5	365	0	0	0	0	0
KL-4	365	365.5	0	0	0	0	0
KL-4	365.5	366	0	0	0	0	0
KL-4	366	366.5	0	0	0	0	0
KL-4	366.5	367	0	0	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
KL-4	350.5	351	0	0	0	0	0
KL-4	351	351.5	0	0	0	0	0
KL-4	351.5	352	1.00172	0	0	0	0
KL-4	352	352.5	0	0	0	0	0
KL-4	352.5	353	0	0	0	0	0
KL-4	353	353.5	0	0	0	0	0
KL-4	353.5	354	0	0	0	0	0
KL-4	354	354.5	0	0	0	0	0
KL-4	354.5	355	0	0	0	0	0
KL-4	355	355.5	0	0	0	0	0
KL-4	355.5	356	0	0	0	0	0
KL-4	356	356.5	0	0	0	0	0
KL-4	356.5	357	0	0	0	0	0
KL-4	357	357.5	0	0	0	0	0
KL-4	357.5	358	0	0	0	0	0
KL-4	358	358.5	0	0	0	0	0
KL-4	358.5	359	0	0	0	0	0
KL-4	359	359.5	0	0	0	0	0
KL-4	359.5	360	0	0	0	0	0
KL-4	360	360.5	0	0	0	0	0
KL-4	360.5	361	0	0	0	0	0
KL-4	361	361.5	0	0	0	0	0
KL-4	361.5	362	0	0	0	0	0
KL-4	362	362.5	0	0	0	0	0
KL-4	362.5	363	0	0	0	0	0
KL-4	363	363.5	0	0	0	0	0
KL-4	363.5	364	0	0	0	0	0
KL-4	364	364.5	0	0	0	0	0
KL-4	364.5	365	0	0	0	0	0
KL-4	365	365.5	0	0	0	0	0
KL-4	365.5	366	0	0	0	0	0
KL-4	366	366.5	0	0	0	0	0
KL-4	366.5	367	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
KL-4	350.5	351	0	0	0	0	0	0
KL-4	351	351.5	0	0	0	0	0	0
KL-4	351.5	352	0	0	0	0	0	0
KL-4	352	352.5	0	0	0	0	0	0
KL-4	352.5	353	0	0	0	0	0	0
KL-4	353	353.5	0	0	0	0	0	0
KL-4	353.5	354	0	0	0	0	0	0
KL-4	354	354.5	0	0	0	0	0	0
KL-4	354.5	355	0	0	0	0	0	0
KL-4	355	355.5	0	0	0	0	0	0
KL-4	355.5	356	0	0	0	0	0	0
KL-4	356	356.5	0	0	0	0	0	0
KL-4	356.5	357	0	0	0	0	0	0
KL-4	357	357.5	0	0	0	0	0	0
KL-4	357.5	358	0	0	0	0	0	0
KL-4	358	358.5	0	0	0	0	0	0
KL-4	358.5	359	0	0	0	0	0	0
KL-4	359	359.5	0	0	0	0	0	0
KL-4	359.5	360	0	0	0	0	0	0
KL-4	360	360.5	0	0	0	0	0	0
KL-4	360.5	361	0	0	0	0	0	0
KL-4	361	361.5	0	0	0	0	0	0
KL-4	361.5	362	0	0	0	0	0	0
KL-4	362	362.5	0	0	0	0	0	0
KL-4	362.5	363	0	0	0	0	0	0
KL-4	363	363.5	0	0	0	0	0	0
KL-4	363.5	364	0	0	0	0	0	0
KL-4	364	364.5	0	0	0	0	0	0
KL-4	364.5	365	0	0	0	0	0	0
KL-4	365	365.5	0	0	0	0	0	0
KL-4	365.5	366	0	0	0	0	0	0
KL-4	366	366.5	0	0	0	0	0	0
KL-4	366.5	367	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
KL-4	350.5	351	0	0
KL-4	351	351.5	0	0
KL-4	351.5	352	0	0
KL-4	352	352.5	0	0
KL-4	352.5	353	0	0
KL-4	353	353.5	0	0
KL-4	353.5	354	0	0
KL-4	354	354.5	0	0
KL-4	354.5	355	0	0
KL-4	355	355.5	0	0
KL-4	355.5	356	0	0
KL-4	356	356.5	0	0
KL-4	356.5	357	0	0
KL-4	357	357.5	0	0
KL-4	357.5	358	0	0
KL-4	358	358.5	0	0
KL-4	358.5	359	0	0
KL-4	359	359.5	0	0
KL-4	359.5	360	0	0
KL-4	360	360.5	0	0
KL-4	360.5	361	0	0
KL-4	361	361.5	0	0
KL-4	361.5	362	0	0
KL-4	362	362.5	0	0
KL-4	362.5	363	0	0
KL-4	363	363.5	0	0
KL-4	363.5	364	0	0
KL-4	364	364.5	0	0
KL-4	364.5	365	0	0
KL-4	365	365.5	0	0
KL-4	365.5	366	0	0
KL-4	366	366.5	0	0
KL-4	366.5	367	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
KL-4	367	367.5	16169	0.58	69.24	0	0	1.13	0
KL-4	367.5	368	11512	1.18	48.15	0	0	1	0
KL-4	368	368.5	11672	0.61	64.91	0	0	6.82	0
KL-4	368.5	369	15852	0.62	66.41	0	0.57	5.07	0.01
KL-4	369	369.5	13947	0.82	56.38	0	0.15	8.24	0.03
KL-4	369.5	370	10061	0.5	60.1	0	0	1.43	0
KL-4	370	370.5	13806	0.1	49.43	0	0	30.88	0
KL-4	370.5	371	14648	0.42	58.82	0	0	23.83	0
KL-4	371	371.5	13477	4.99	30.79	0	0	27.06	0
KL-4	371.5	372	11615	0.65	52.61	0	0	15.2	0
KL-4	372	372.5	7700	1.36	36.64	0	0	17.18	0
KL-4	372.5	373	14902	0.41	58.66	0	0	23.35	0
KL-4	373	373.5	11683	1.09	23.84	0	0.11	1.24	0
KL-4	373.5	374	13224	1.55	42.42	0	0.02	33.53	0
KL-4	374	374.5	10540	1.39	20.96	0.02	3.75	7.99	0.03
KL-4	374.5	375	14406	0.96	40.03	0	0.03	4.01	0
KL-4	375	375.5	14604	2.41	35.87	0	0.55	13.25	0
KL-4	375.5	376	13851	0.67	48.66	0	0.07	24.37	0
KL-4	376	376.5	14144	0.47	76.05	0	0	4.37	0
KL-4	376.5	377	17879	0.18	78.52	0	0	12.17	0
KL-4	377	377.5	18071	0.19	58.49	0	0	26.91	0
KL-4	377.5	378	16096	0.58	60.92	0	0	11.25	0
KL-4	378	378.5	13786	0.15	24.19	0	0	64.43	0
KL-4	378.5	379	15935	0.44	54.62	0	0	32.18	0
KL-4	379	379.5	15355	0.38	34.36	0	0	43.87	0
KL-4	379.5	380	14521	0.26	43.71	0	0	37.76	0
KL-4	380	380.5	12941	0.8	36.29	0	0	18.27	0
KL-4	380.5	381	13929	1.49	62.34	0	0.01	8.09	0
KL-4	381	381.5	12957	0.6	51.63	0	0	12.09	0
KL-4	381.5	382	10338	0.22	52.51	0	0	17.99	0
KL-4	382	382.5	8471	0.28	62.68	0	0	10.16	0
KL-4	382.5	383	12981	0.83	52.6	0	0	6.95	0
KL-4	383	383.5	13113	0.74	49.87	0	0	25.82	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
KL-4	367	367.5	0	0	0	0	0	0
KL-4	367.5	368	0	0	0	0	0	0
KL-4	368	368.5	0	0.03	0	0	0	0
KL-4	368.5	369	0	0	0.19	0	0.21	9.01
KL-4	369	369.5	0	0	0.01	0	0	1.17
KL-4	369.5	370	0	0	0	0	0	0
KL-4	370	370.5	0	0	0	0	0	0
KL-4	370.5	371	0	0	0	0	0	0
KL-4	371	371.5	0	0	0	0	0	0.02
KL-4	371.5	372	0	0	0	0	0	0
KL-4	372	372.5	0	0.01	0	0	0	0
KL-4	372.5	373	0	0	0	0	0	0
KL-4	373	373.5	0	0	0	0	0	0
KL-4	373.5	374	0	0	0	0	0	0
KL-4	374	374.5	0	0	0	0.01	1.22	11.21
KL-4	374.5	375	0	0	0	0	0	0
KL-4	375	375.5	0	0	0.03	0	0.19	4.81
KL-4	375.5	376	0	0	0	0	0	0
KL-4	376	376.5	0	0	0	0	0	0
KL-4	376.5	377	0	0	0	0	0	0
KL-4	377	377.5	0	0	0	0	0	0
KL-4	377.5	378	0	0	0	0	0	0
KL-4	378	378.5	0	0	0	0	0	0
KL-4	378.5	379	0	0	0	0	0	0
KL-4	379	379.5	0	0	0	0	0	0
KL-4	379.5	380	0	0	0.01	0	0	0
KL-4	380	380.5	0	0	0	0	0	0
KL-4	380.5	381	0	0	0	0	0	0
KL-4	381	381.5	0	0	0	0	0	0
KL-4	381.5	382	0	0	0	0	0	0
KL-4	382	382.5	0	0	0	0	0	0
KL-4	382.5	383	0	0	0	0	0	0
KL-4	383	383.5	0	0	0	0	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
KL-4	367	367.5	0.03	27.68	70.07	0	0	0
KL-4	367.5	368	0.84	47.78	48.36	0	0	0
KL-4	368	368.5	3.17	21	65.7	0	0	0
KL-4	368.5	369	1.56	15.95	71.18	0.01	0	0.57
KL-4	369	369.5	6.58	24.08	58.28	0	0	1.13
KL-4	369.5	370	0.07	36.95	60.66	0	0	0
KL-4	370	370.5	1.49	10.31	49.51	0	0	0.04
KL-4	370.5	371	0.94	8.9	59.03	0	0	0
KL-4	371	371.5	11.21	6.31	38.78	3.09	0	0.26
KL-4	371.5	372	11.41	12.69	54.63	0.01	0	0
KL-4	372	372.5	6.38	29	39.34	0.18	0	0.78
KL-4	372.5	373	0.72	11.54	59.04	0	0	0.01
KL-4	373	373.5	1.26	69.01	24.93	0	0	0.11
KL-4	373.5	374	3.16	7.55	44.35	1.03	0	0
KL-4	374	374.5	3.09	49.73	28.04	0.08	0	1.66
KL-4	374.5	375	1.65	49.38	42.41	0.1	0	0.62
KL-4	375	375.5	1.1	32.44	41.85	0.05	0	1.85
KL-4	375.5	376	1.23	13.76	50.63	0.02	0	0.84
KL-4	376	376.5	0	19.15	76.17	0	0	0
KL-4	376.5	377	0.01	4.76	78.53	0	0	0
KL-4	377	377.5	0.02	3.99	58.49	0	0	0
KL-4	377.5	378	0.22	22.76	61.24	0	0	0.12
KL-4	378	378.5	0.22	1.99	24.21	0	0	0
KL-4	378.5	379	0.36	2.56	55.39	0.06	0	0.27
KL-4	379	379.5	1.73	9.44	34.55	0	0	0.08
KL-4	379.5	380	0.1	5.94	43.73	0	0	0
KL-4	380	380.5	0.55	35.97	36.37	0	0	0
KL-4	380.5	381	0.36	21.16	65.61	0.22	0	0
KL-4	381	381.5	0.79	27.91	52.29	0.03	0	0
KL-4	381.5	382	0.32	19.02	52.81	0	0	0
KL-4	382	382.5	0.85	20.54	62.87	0	0	0
KL-4	382.5	383	0.94	35.48	53.59	0.18	0	0.14
KL-4	383	383.5	0.44	16.92	51.24	0.27	0	0.13

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
KL-4	367	367.5	0	0	0	0	0
KL-4	367.5	368	0	0	0	0	0
KL-4	368	368.5	0	0	0	0	940.11
KL-4	368.5	369	0.03	0	0	2336.97	0
KL-4	369	369.5	0	0	0	2346.32	0
KL-4	369.5	370	0	0	0	0	0
KL-4	370	370.5	0	0	0	0	0
KL-4	370.5	371	0	0	0	0	0
KL-4	371	371.5	0	0	0	0	0
KL-4	371.5	372	0	0	0	0	0
KL-4	372	372.5	0	0	0	0	0
KL-4	372.5	373	0	0	0	0	0
KL-4	373	373.5	0.02	0	0	2345.28	0
KL-4	373.5	374	0	0	0	2345.13	0
KL-4	374	374.5	0.13	0.11	0	2335.16	0
KL-4	374.5	375	0.01	0	0	2351.21	0
KL-4	375	375.5	0.36	0.01	0	2344.34	0
KL-4	375.5	376	0.05	0	0	2346.12	0
KL-4	376	376.5	0	0	0	0	0
KL-4	376.5	377	0	0	0	0	0
KL-4	377	377.5	0	0	0	0	0
KL-4	377.5	378	0	0	0	0	0
KL-4	378	378.5	0	0	0	0	0
KL-4	378.5	379	0	0.01	0	0	0
KL-4	379	379.5	0	0	0	0	0
KL-4	379.5	380	0	0	0	0	0
KL-4	380	380.5	0	0	0	0	0
KL-4	380.5	381	0	0	0	2336	0
KL-4	381	381.5	0	0	0	0	0
KL-4	381.5	382	0	0	0	0	0
KL-4	382	382.5	0	0	0	0	0
KL-4	382.5	383	0	0	0	0	0
KL-4	383	383.5	0	0	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
KL-4	367	367.5	0	0	0	0	0
KL-4	367.5	368	0	0	0	0	0
KL-4	368	368.5	0	0	0	0	0
KL-4	368.5	369	0	0	0	0	0
KL-4	369	369.5	0	0	0	0	0
KL-4	369.5	370	0	0	0	0	0
KL-4	370	370.5	0	0	0	0	0
KL-4	370.5	371	0	0	0	0	0
KL-4	371	371.5	0	0	0	0	0
KL-4	371.5	372	0	0	0	0	0
KL-4	372	372.5	0	0	0	0	0
KL-4	372.5	373	0	0	0	0	0
KL-4	373	373.5	0	0	0	0	0
KL-4	373.5	374	0	0	0	0	0
KL-4	374	374.5	0.99962	0.69	2204.24	0	0
KL-4	374.5	375	0	0	0	0	0
KL-4	375	375.5	0	0.34	2191.66	100	0
KL-4	375.5	376	0	0	0	0	0
KL-4	376	376.5	0	0	0	0	0
KL-4	376.5	377	0	0	0	0	0
KL-4	377	377.5	0	0	0	0	0
KL-4	377.5	378	0	0	0	0	0
KL-4	378	378.5	0	0	0	0	0
KL-4	378.5	379	0	0	0	0	0
KL-4	379	379.5	0	0	0	0	0
KL-4	379.5	380	0	0	0	0	0
KL-4	380	380.5	0	0	0	0	0
KL-4	380.5	381	0	0	0	0	0
KL-4	381	381.5	0	0	0	0	0
KL-4	381.5	382	0	0	0	0	0
KL-4	382	382.5	0	0	0	0	0
KL-4	382.5	383	0	0	0	0	0
KL-4	383	383.5	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
KL-4	367	367.5	0	0	0	0	0	0
KL-4	367.5	368	0	0	0	0	0	0
KL-4	368	368.5	0	0	0	0	0	0
KL-4	368.5	369	0	0	0	2247.29	0	100
KL-4	369	369.5	0	0	0	2256.59	0	0
KL-4	369.5	370	0	0	0	0	0	0
KL-4	370	370.5	0	0	0	0	0	0
KL-4	370.5	371	0	0	0	0	0	0
KL-4	371	371.5	0	0	0	0	0	0
KL-4	371.5	372	0	0	0	0	0	0
KL-4	372	372.5	0	0	0	0	0	0
KL-4	372.5	373	0	0	0	0	0	0
KL-4	373	373.5	0	0	0	0	0	0
KL-4	373.5	374	0	0	0	0	0	0
KL-4	374	374.5	100	0	0	2257.79	0	0
KL-4	374.5	375	0	0	0	0	0	0
KL-4	375	375.5	0	0	0	0	0	0
KL-4	375.5	376	0	0	0	0	0	0
KL-4	376	376.5	0	0	0	0	0	0
KL-4	376.5	377	0	0	0	0	0	0
KL-4	377	377.5	0	0	0	0	0	0
KL-4	377.5	378	0	0	0	0	0	0
KL-4	378	378.5	0	0	0	0	0	0
KL-4	378.5	379	0	0	0	0	0	0
KL-4	379	379.5	0	0	0	0	0	0
KL-4	379.5	380	0	0	0	0	0	0
KL-4	380	380.5	0	0	0	0	0	0
KL-4	380.5	381	0	0	0	0	0	0
KL-4	381	381.5	0	0	0	0	0	0
KL-4	381.5	382	0	0	0	0	0	0
KL-4	382	382.5	0	0	0	0	0	0
KL-4	382.5	383	0	0	0	0	0	0
KL-4	383	383.5	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
KL-4	367	367.5	0	0
KL-4	367.5	368	0	0
KL-4	368	368.5	0	0
KL-4	368.5	369	0	0
KL-4	369	369.5	75	25
KL-4	369.5	370	0	0
KL-4	370	370.5	0	0
KL-4	370.5	371	0	0
KL-4	371	371.5	0	0
KL-4	371.5	372	0	0
KL-4	372	372.5	0	0
KL-4	372.5	373	0	0
KL-4	373	373.5	0	0
KL-4	373.5	374	0	0
KL-4	374	374.5	0	100
KL-4	374.5	375	0	0
KL-4	375	375.5	0	0
KL-4	375.5	376	0	0
KL-4	376	376.5	0	0
KL-4	376.5	377	0	0
KL-4	377	377.5	0	0
KL-4	377.5	378	0	0
KL-4	378	378.5	0	0
KL-4	378.5	379	0	0
KL-4	379	379.5	0	0
KL-4	379.5	380	0	0
KL-4	380	380.5	0	0
KL-4	380.5	381	0	0
KL-4	381	381.5	0	0
KL-4	381.5	382	0	0
KL-4	382	382.5	0	0
KL-4	382.5	383	0	0
KL-4	383	383.5	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
KL-4	383.5	384	8904	0.58	57.67	0	0	13.69	0
KL-4	384	384.5	12061	0.41	70.48	0	0	15.25	0
KL-4	384.5	385	15975	0.74	79.61	0	0	3.57	0
KL-4	385	385.5	14109	0.72	82.34	0	0	3.31	0
KL-4	385.5	386	11558	0.95	76.55	0	0	2.42	0
KL-4	386	386.5	8959	0.92	59.24	0	0	14.98	0
KL-4	386.5	387	17165	1.07	48.5	0	0	27.67	0
KL-4	387	387.5	16299	1.55	65.8	0	0	7.21	0
KL-4	387.5	388	12557	0.57	83.63	0	0	4.55	0
KL-4	388	388.5	14115	0.14	61.15	0	0	23.94	0
KL-4	388.5	389	18522	0.15	55.7	0	0	26.96	0
KL-4	389	389.5	18398	0.47	77.16	0	0	5.07	0
KL-4	389.5	390	10974	0.39	55.19	0	0	24.79	0
KL-4	390	390.5	11890	1.38	64.5	0	0	7.16	0
KL-4	390.5	391	14052	0.26	45.35	0	0	35.87	0
KL-4	391	391.5	14672	0.15	26.47	0	0	53.63	0
KL-4	391.5	392	8064	0.27	36.99	0	0	30.83	0
KL-4	392	392.5	6044	0.26	26.06	0	0	14.74	0
KL-4	392.5	393	12058	0.99	53.18	0	0	6.92	0
KL-4	393	393.5	13155	0.74	46.67	0	0	13.05	0
KL-4	393.5	394	9703	0.87	48.98	0	0	1.71	0
KL-4	394	394.5	11761	0.86	60.83	0	0	12.54	0
KL-4	394.5	395	14294	0.99	46.63	0	0	14.71	0
KL-4	395	395.5	13858	0.97	54.62	0	0	7.69	0
KL-4	395.5	396	9024	1	46.64	0	0	4.9	0
KL-4	396	396.5	11364	0.39	59.31	0	0	24.26	0
KL-4	396.5	397	17825	1.44	42.07	0	0	38.16	0
KL-4	397	397.5	17028	0.38	40.5	0	0	41.44	0
KL-4	397.5	398	12437	0.35	71.34	0	0	13.15	0
KL-4	398	398.5	12444	0.34	41.6	0	0	34.72	0
KL-4	398.5	399	14521	0.98	65.35	0	0	10.86	0
KL-4	399	399.5	13877	1.3	61.64	0	0.13	9.5	0
KL-4	399.5	400	10137	0.84	45.45	0	0	31.43	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
KL-4	383.5	384	0	0	0	0	0	0
KL-4	384	384.5	0	0	0	0	0	0
KL-4	384.5	385	0	0	0	0	0	0
KL-4	385	385.5	0	0	0	0.21	0	0
KL-4	385.5	386	0	0	0	0	0	0
KL-4	386	386.5	0	0	0	0	0	0
KL-4	386.5	387	0	0	0	0	0	0
KL-4	387	387.5	0	0	0	0	0	0
KL-4	387.5	388	0	0	0	0	0	0
KL-4	388	388.5	0	0	0	0	0	0
KL-4	388.5	389	0	0	0	0	0	0
KL-4	389	389.5	0	0.03	0	0	0	0
KL-4	389.5	390	0	0	0	0	0	0
KL-4	390	390.5	0	0	0	0	0	0
KL-4	390.5	391	0	0	0	0	0	0
KL-4	391	391.5	0	0	0	0.01	0	0
KL-4	391.5	392	0	0	0	0	0	0
KL-4	392	392.5	0	0	0	0	0	0
KL-4	392.5	393	0	0	0	0	0	0
KL-4	393	393.5	0	0	0	0	0	0
KL-4	393.5	394	0	0	0	0	0	0
KL-4	394	394.5	0	0	0	0	0	0
KL-4	394.5	395	0	0.01	0	0	0	0
KL-4	395	395.5	0	0	0	0	0	0
KL-4	395.5	396	0	0	0	0	0	0
KL-4	396	396.5	0	0	0	0	0	0
KL-4	396.5	397	0	0.01	0	0	0	0
KL-4	397	397.5	0	0	0	0	0	0
KL-4	397.5	398	0	0	0	0	0	0
KL-4	398	398.5	0	0	0	0	0	0
KL-4	398.5	399	0	0	0	0	0	0
KL-4	399	399.5	0.01	0	0	0	0	0
KL-4	399.5	400	0	0	0	0	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
KL-4	383.5	384	0.6	21.06	58.84	0	0	0.52
KL-4	384	384.5	0.02	5.37	70.66	0	0	0
KL-4	384.5	385	0.13	14.46	79.85	0	0	0
KL-4	385	385.5	0.6	12.32	82.89	0	0	0
KL-4	385.5	386	0.1	19.1	77.81	0.02	0	0.03
KL-4	386	386.5	0.87	16.5	59.83	0.38	0	0.04
KL-4	386.5	387	1.42	8.35	49.06	0.28	0	0
KL-4	387	387.5	1.37	17.17	68.88	0.5	0	0
KL-4	387.5	388	3.02	6.39	84.32	0.14	0	0
KL-4	388	388.5	3.82	2.95	61.23	0	0	0
KL-4	388.5	389	4.03	2.28	55.92	0.02	0	0
KL-4	389	389.5	7.84	6.54	77.65	0.05	0	0
KL-4	389.5	390	2.79	6.25	55.61	0.05	0	0
KL-4	390	390.5	1.35	21.08	65.97	0.6	0	0
KL-4	390.5	391	0.98	6.41	45.73	0	0	0.03
KL-4	391	391.5	2.96	4.68	26.75	0	0	0.12
KL-4	391.5	392	7.49	22.2	37.15	0	0	0
KL-4	392	392.5	0.07	53.84	26.09	0	0	0
KL-4	392.5	393	0.51	33.45	54.36	0.56	0	0.01
KL-4	393	393.5	0.08	32.9	47.49	0.02	0	0
KL-4	393.5	394	0.27	47.61	50.56	0.12	0	0
KL-4	394	394.5	0.18	18.77	62.07	0.1	0	0
KL-4	394.5	395	0.33	31.23	47.82	0.56	0	0
KL-4	395	395.5	1.37	31.24	55.65	0.17	0	0
KL-4	395.5	396	0.79	43.03	47.75	0.02	0	0
KL-4	396	396.5	0.64	8.1	59.61	0	0	0
KL-4	396.5	397	0	3.95	42.87	1.04	0	0
KL-4	397	397.5	0.03	5.58	40.56	0	0	0
KL-4	397.5	398	0.56	11.02	71.76	0	0	0
KL-4	398	398.5	0.02	13.4	41.84	0	0	0
KL-4	398.5	399	0.51	18.46	67.12	0.26	0	0.05
KL-4	399	399.5	1.05	19.02	64.39	0.43	0	0.45
KL-4	399.5	400	1.86	9.38	46.59	0.28	0	0.03

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
KL-4	383.5	384	0	0	0	0	0
KL-4	384	384.5	0	0	0	0	0
KL-4	384.5	385	0	0	0	0	0
KL-4	385	385.5	0	0	0	0	0
KL-4	385.5	386	0	0	0	0	0
KL-4	386	386.5	0	0	0	0	0
KL-4	386.5	387	0	0	0	0	0
KL-4	387	387.5	0	0	0	0	0
KL-4	387.5	388	0	0	0	0	0
KL-4	388	388.5	0	0	0	0	0
KL-4	388.5	389	0	0	0	0	0
KL-4	389	389.5	0	0	0	0	949.19
KL-4	389.5	390	0	0	0	0	0
KL-4	390	390.5	0	0	0	0	0
KL-4	390.5	391	0	0	0	0	0
KL-4	391	391.5	0	0.01	0	0	0
KL-4	391.5	392	0	0	0	0	0
KL-4	392	392.5	0	0	0	0	0
KL-4	392.5	393	0	0	0	0	0
KL-4	393	393.5	0	0	0	0	0
KL-4	393.5	394	0	0	0	0	0
KL-4	394	394.5	0	0	0	0	0
KL-4	394.5	395	0	0.02	0	0	904
KL-4	395	395.5	0	0	0	0	0
KL-4	395.5	396	0	0	0	0	0
KL-4	396	396.5	0	0	0	0	0
KL-4	396.5	397	0	0.01	0	0	0
KL-4	397	397.5	0	0.01	0	0	0
KL-4	397.5	398	0	0	0	0	0
KL-4	398	398.5	0	0	0	0	0
KL-4	398.5	399	0	0	0	0	0
KL-4	399	399.5	0.23	0	0	2345.6	930
KL-4	399.5	400	0	0	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
KL-4	383.5	384	0	0	0	0	0
KL-4	384	384.5	0	0	0	0	0
KL-4	384.5	385	0	0	0	0	0
KL-4	385	385.5	1.01289	0	0	0	0
KL-4	385.5	386	0	0	0	0	0
KL-4	386	386.5	0	0	0	0	0
KL-4	386.5	387	0	0	0	0	0
KL-4	387	387.5	0	0	0	0	0
KL-4	387.5	388	0	0	0	0	0
KL-4	388	388.5	0	0	0	0	0
KL-4	388.5	389	0	0	0	0	0
KL-4	389	389.5	0	0	0	0	0
KL-4	389.5	390	0	0	0	0	0
KL-4	390	390.5	0	0	0	0	0
KL-4	390.5	391	0	0	0	0	0
KL-4	391	391.5	0.99929	0	0	0	0
KL-4	391.5	392	0	0	0	0	0
KL-4	392	392.5	0	0	0	0	0
KL-4	392.5	393	0	0	0	0	0
KL-4	393	393.5	0	0	0	0	0
KL-4	393.5	394	0	0	0	0	0
KL-4	394	394.5	0	0	0	0	0
KL-4	394.5	395	0	0.22	2195.39	0	100
KL-4	395	395.5	0	0	0	0	0
KL-4	395.5	396	0	0	0	0	0
KL-4	396	396.5	0	0	0	0	0
KL-4	396.5	397	0	0	0	0	0
KL-4	397	397.5	0	0.26	2203.22	0	0
KL-4	397.5	398	0	0	0	0	0
KL-4	398	398.5	0	0	0	0	0
KL-4	398.5	399	0	0	0	0	0
KL-4	399	399.5	0	0	0	0	0
KL-4	399.5	400	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
KL-4	383.5	384	0	0	0	0	0	0
KL-4	384	384.5	0	0	0	0	0	0
KL-4	384.5	385	0	0	0	0	0	0
KL-4	385	385.5	0	0	0	0	0	0
KL-4	385.5	386	0	0	0	0	0	0
KL-4	386	386.5	0	0	0	0	0	0
KL-4	386.5	387	0	0	0	0	0	0
KL-4	387	387.5	0	0	0	0	0	0
KL-4	387.5	388	0	0	0	0	0	0
KL-4	388	388.5	0	0	0	0	0	0
KL-4	388.5	389	0	0	0	0	0	0
KL-4	389	389.5	0	0	0	0	0	0
KL-4	389.5	390	0	0	0	0	0	0
KL-4	390	390.5	0	0	0	0	0	0
KL-4	390.5	391	0	0	0	0	0	0
KL-4	391	391.5	0	0	0	0	0	0
KL-4	391.5	392	0	0	0	0	0	0
KL-4	392	392.5	0	0	0	0	0	0
KL-4	392.5	393	0	0	0	0	0	0
KL-4	393	393.5	0	0	0	0	0	0
KL-4	393.5	394	0	0	0	0	0	0
KL-4	394	394.5	0	0	0	0	0	0
KL-4	394.5	395	0	0	0	0	0	0
KL-4	395	395.5	0	0	0	0	0	0
KL-4	395.5	396	0	0	0	0	0	0
KL-4	396	396.5	0	0	0	0	0	0
KL-4	396.5	397	0	0	0	0	0	0
KL-4	397	397.5	100	0	0	0	0	0
KL-4	397.5	398	0	0	0	0	0	0
KL-4	398	398.5	0	0	0	0	0	0
KL-4	398.5	399	0	0	0	0	0	0
KL-4	399	399.5	0	0	0	0	0	0
KL-4	399.5	400	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
KL-4	383.5	384	0	0
KL-4	384	384.5	0	0
KL-4	384.5	385	0	0
KL-4	385	385.5	0	0
KL-4	385.5	386	0	0
KL-4	386	386.5	0	0
KL-4	386.5	387	0	0
KL-4	387	387.5	0	0
KL-4	387.5	388	0	0
KL-4	388	388.5	0	0
KL-4	388.5	389	0	0
KL-4	389	389.5	0	0
KL-4	389.5	390	0	0
KL-4	390	390.5	0	0
KL-4	390.5	391	0	0
KL-4	391	391.5	0	0
KL-4	391.5	392	0	0
KL-4	392	392.5	0	0
KL-4	392.5	393	0	0
KL-4	393	393.5	0	0
KL-4	393.5	394	0	0
KL-4	394	394.5	0	0
KL-4	394.5	395	0	0
KL-4	395	395.5	0	0
KL-4	395.5	396	0	0
KL-4	396	396.5	0	0
KL-4	396.5	397	0	0
KL-4	397	397.5	0	0
KL-4	397.5	398	0	0
KL-4	398	398.5	0	0
KL-4	398.5	399	0	0
KL-4	399	399.5	0	0
KL-4	399.5	400	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
KL-4	400	400.5	12718	0.76	46.85	0	0	31.26	0
KL-4	400.5	401	15945	0.71	51.36	0	0	27.64	0
KL-4	401	401.5	17049	0.93	66.39	0	0	13.21	0
KL-4	401.5	402	13041	0.11	46.45	0	0	39.28	0
KL-4	402	402.5	12665	0.18	61.39	0	0	17.07	0
KL-4	402.5	403	13439	0.6	51	0	0	7.58	0
KL-4	403	403.5	15086	0.31	16.55	0	0	0.48	0
KL-4	403.5	404	695	3.02	48.49	0	0	7.48	0
KL-4	404	404.5	13246	0.69	38.69	0	0	1.89	0
KL-4	404.5	405	13591	0.73	33.11	0	0	0.4	0
KL-4	405	405.5	14044	0.85	30.13	0	0	0.81	0
KL-4	405.5	406	12482	0.82	58.13	0	0	2.35	0
KL-4	406	406.5	17538	0.71	50.12	0	0	6.06	0
KL-4	406.5	407	15418	0.66	54.84	0	0	11.13	0
KL-4	407	407.5	3127	1.02	36.01	0	0	0.54	0
KL-4	407.5	408	16000	0.73	57.64	0	0.01	10.54	0
KL-4	408	408.5	19874	0.39	57.02	0	0	21.06	0
KL-4	408.5	409	13120	0.47	76.22	0	0	5.16	0
KL-4	409	409.5	8516	0.65	74.25	0	0	9.77	0
KL-4	409.5	410	14922	0.66	60.41	0	0	2.64	0
KL-4	410	410.5	15141	0.97	66.01	0	0	11.52	0
KL-4	410.5	411	7224	0.21	61.96	0	0	20.09	0
KL-4	411	411.5	15139	0.37	66.86	0	0	17.37	0
KL-4	411.5	412	17561	0.6	68.34	0	0	9.71	0
KL-4	412	412.5	18594	0.55	69.95	0	0	12.81	0
KL-4	412.5	413	14355	0.81	56.56	0	0	13.58	0
KL-4	413	413.5	11796	0.27	56.51	0	0	24.53	0
KL-4	413.5	414	16670	0.59	63.89	0	0	16.03	0
KL-4	414	414.5	16499	0.74	76.68	0	0	3.35	0
KL-4	414.5	415	11026	0.54	59.32	0	0	15.01	0
KL-4	415	415.5	12318	1.77	49.74	0	0	22.2	0
KL-4	415.5	416	15273	1.01	33.92	0	1.58	5.02	0
KL-4	416	416.5	16761	0.55	58.27	0	0.02	8.67	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
KL-4	400	400.5	0	0	0	0.01	0	0
KL-4	400.5	401	0	0	0	0	0	0
KL-4	401	401.5	0	0	0	0	0	0
KL-4	401.5	402	0	0	0	0	0	0
KL-4	402	402.5	0	0	0	0	0	0
KL-4	402.5	403	0	0	0	0	0	0
KL-4	403	403.5	0	0	0	0	0	0
KL-4	403.5	404	0	0	0	0	0	0
KL-4	404	404.5	0	0	0	0	0	0
KL-4	404.5	405	0	0	0	0	0	0
KL-4	405	405.5	0	0	0	0	0	0
KL-4	405.5	406	0	0	0	0	0	0
KL-4	406	406.5	0	0	0	0	0	0
KL-4	406.5	407	0	0	0	0	0	0
KL-4	407	407.5	0	0	0	0	0	0
KL-4	407.5	408	0	0	0	0	0	0
KL-4	408	408.5	0	0	0	0	0	0
KL-4	408.5	409	0	0	0	0	0	0
KL-4	409	409.5	0	0	0	0	0	0
KL-4	409.5	410	0	0	0	0	0	0
KL-4	410	410.5	0	0	0	0	0	0
KL-4	410.5	411	0	0	0	0	0	0
KL-4	411	411.5	0	0	0	0	0	0
KL-4	411.5	412	0	0	0	0	0	0
KL-4	412	412.5	0	0	0	0	0	0
KL-4	412.5	413	0	0	0	0	0	0
KL-4	413	413.5	0	0	0	0	0	0
KL-4	413.5	414	0	0	0	0	0	0
KL-4	414	414.5	0	0	0	0	0	0
KL-4	414.5	415	0	0	0	0	0	0
KL-4	415	415.5	0	0	0	0	0	0
KL-4	415.5	416	0.09	0	0.05	0	0	1.81
KL-4	416	416.5	0	0	0	0	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
KL-4	400	400.5	0.5	8.47	47.92	0.1	0	0
KL-4	400.5	401	0	14.43	52.4	0.01	0	0
KL-4	401	401.5	0.26	11.63	68.1	0.49	0	0
KL-4	401.5	402	0	1.33	47.44	0	0	0
KL-4	402	402.5	0.66	15.43	62.03	0	0	0
KL-4	402.5	403	1.55	35.65	51.29	0	0	0
KL-4	403	403.5	1.6	80.51	17.02	0	0	0
KL-4	403.5	404	0	24.6	52.09	1.15	0	0
KL-4	404	404.5	0	57.72	39.33	0.05	0	0
KL-4	404.5	405	0	64.59	33.65	0	0	0
KL-4	405	405.5	0	67.12	30.91	0.05	0	0
KL-4	405.5	406	0.3	38.35	58.86	0	0	0
KL-4	406	406.5	0.96	38.75	50.45	0.02	0	0
KL-4	406.5	407	0.82	27.04	55.88	0.06	0	0
KL-4	407	407.5	0.03	60.47	36.68	0.06	0	0
KL-4	407.5	408	1.16	24.73	59.01	0.1	0	0.18
KL-4	408	408.5	0.59	14.34	57.28	0.04	0	0
KL-4	408.5	409	0.54	13.73	77.22	0.02	0	0
KL-4	409	409.5	0.19	10.77	74.58	0.01	0	0
KL-4	409.5	410	1.31	33.18	61.03	0.05	0	0
KL-4	410	410.5	0.65	16.54	67.06	0.03	0	0.03
KL-4	410.5	411	0.08	6.12	62.02	0	0	0
KL-4	411	411.5	0.03	7.49	67.05	0	0	0
KL-4	411.5	412	0.1	17.94	68.57	0.07	0	0
KL-4	412	412.5	0.16	11.79	70.04	0	0	0
KL-4	412.5	413	1.48	20.94	57.78	0.03	0	0.09
KL-4	413	413.5	0.45	10.71	56.67	0	0	0
KL-4	413.5	414	0	11.4	64.1	0	0	0
KL-4	414	414.5	0.04	17.44	76.83	0	0	0
KL-4	414.5	415	0.03	17.51	59.83	0	0	0
KL-4	415	415.5	0.64	14.27	52.45	0.44	0	0
KL-4	415.5	416	1.47	52.39	34.96	0	0	0.39
KL-4	416	416.5	1.62	24.95	58.86	0	0	0.13

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
KL-4	400	400.5	0	0	0	0	0
KL-4	400.5	401	0	0	0	0	0
KL-4	401	401.5	0	0	0	0	0
KL-4	401.5	402	0	0	0	0	0
KL-4	402	402.5	0	0.02	0	0	0
KL-4	402.5	403	0	0	0	0	0
KL-4	403	403.5	0	0	0	0	0
KL-4	403.5	404	0	0	0	0	0
KL-4	404	404.5	0	0	0	0	0
KL-4	404.5	405	0	0	0	0	0
KL-4	405	405.5	0	0	0	0	0
KL-4	405.5	406	0	0	0	0	0
KL-4	406	406.5	0	0	0	0	0
KL-4	406.5	407	0	0	0	0	0
KL-4	407	407.5	0	0	0	0	0
KL-4	407.5	408	0	0	0	0	0
KL-4	408	408.5	0	0	0	0	0
KL-4	408.5	409	0	0	0	0	0
KL-4	409	409.5	0	0	0	0	0
KL-4	409.5	410	0	0	0	0	0
KL-4	410	410.5	0	0	0	0	0
KL-4	410.5	411	0	0	0	0	0
KL-4	411	411.5	0	0	0	0	0
KL-4	411.5	412	0	0	0	0	0
KL-4	412	412.5	0	0	0	0	0
KL-4	412.5	413	0	0	0	0	0
KL-4	413	413.5	0	0	0	0	0
KL-4	413.5	414	0	0	0	0	0
KL-4	414	414.5	0	0	0	0	0
KL-4	414.5	415	0	0	0	0	0
KL-4	415	415.5	0	0	0	0	0
KL-4	415.5	416	0.14	0	0	2324.94	941.84
KL-4	416	416.5	0	0	0	2342.63	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
KL-4	400	400.5	1.00149	0	0	0	0
KL-4	400.5	401	0	0	0	0	0
KL-4	401	401.5	0	0	0	0	0
KL-4	401.5	402	0	0	0	0	0
KL-4	402	402.5	0	0.19	2206.95	0	0
KL-4	402.5	403	0	0	0	0	0
KL-4	403	403.5	0	0	0	0	0
KL-4	403.5	404	0	0	0	0	0
KL-4	404	404.5	0	0	0	0	0
KL-4	404.5	405	0	0	0	0	0
KL-4	405	405.5	0	0	0	0	0
KL-4	405.5	406	0	0	0	0	0
KL-4	406	406.5	0	0	0	0	0
KL-4	406.5	407	0	0	0	0	0
KL-4	407	407.5	0	0	0	0	0
KL-4	407.5	408	0	0	0	0	0
KL-4	408	408.5	0	0	0	0	0
KL-4	408.5	409	0	0	0	0	0
KL-4	409	409.5	0	0	0	0	0
KL-4	409.5	410	0	0	0	0	0
KL-4	410	410.5	0	0	0	0	0
KL-4	410.5	411	0	0	0	0	0
KL-4	411	411.5	0	0	0	0	0
KL-4	411.5	412	0	0	0	0	0
KL-4	412	412.5	0	0	0	0	0
KL-4	412.5	413	0	0	0	0	0
KL-4	413	413.5	0	0	0	0	0
KL-4	413.5	414	0	0	0	0	0
KL-4	414	414.5	0	0	0	0	0
KL-4	414.5	415	0	0	0	0	0
KL-4	415	415.5	0	0	0	0	0
KL-4	415.5	416	0	0	0	0	0
KL-4	416	416.5	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
KL-4	400	400.5	0	0	0	0	0	0
KL-4	400.5	401	0	0	0	0	0	0
KL-4	401	401.5	0	0	0	0	0	0
KL-4	401.5	402	0	0	0	0	0	0
KL-4	402	402.5	100	0	0	0	0	0
KL-4	402.5	403	0	0	0	0	0	0
KL-4	403	403.5	0	0	0	0	0	0
KL-4	403.5	404	0	0	0	0	0	0
KL-4	404	404.5	0	0	0	0	0	0
KL-4	404.5	405	0	0	0	0	0	0
KL-4	405	405.5	0	0	0	0	0	0
KL-4	405.5	406	0	0	0	0	0	0
KL-4	406	406.5	0	0	0	0	0	0
KL-4	406.5	407	0	0	0	0	0	0
KL-4	407	407.5	0	0	0	0	0	0
KL-4	407.5	408	0	0	0	0	0	0
KL-4	408	408.5	0	0	0	0	0	0
KL-4	408.5	409	0	0	0	0	0	0
KL-4	409	409.5	0	0	0	0	0	0
KL-4	409.5	410	0	0	0	0	0	0
KL-4	410	410.5	0	0	0	0	0	0
KL-4	410.5	411	0	0	0	0	0	0
KL-4	411	411.5	0	0	0	0	0	0
KL-4	411.5	412	0	0	0	0	0	0
KL-4	412	412.5	0	0	0	0	0	0
KL-4	412.5	413	0	0	0	0	0	0
KL-4	413	413.5	0	0	0	0	0	0
KL-4	413.5	414	0	0	0	0	0	0
KL-4	414	414.5	0	0	0	0	0	0
KL-4	414.5	415	0	0	0	0	0	0
KL-4	415	415.5	0	0	0	0	0	0
KL-4	415.5	416	0	0	0	0	0	0
KL-4	416	416.5	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
KL-4	400	400.5	0	0
KL-4	400.5	401	0	0
KL-4	401	401.5	0	0
KL-4	401.5	402	0	0
KL-4	402	402.5	0	0
KL-4	402.5	403	0	0
KL-4	403	403.5	0	0
KL-4	403.5	404	0	0
KL-4	404	404.5	0	0
KL-4	404.5	405	0	0
KL-4	405	405.5	0	0
KL-4	405.5	406	0	0
KL-4	406	406.5	0	0
KL-4	406.5	407	0	0
KL-4	407	407.5	0	0
KL-4	407.5	408	0	0
KL-4	408	408.5	0	0
KL-4	408.5	409	0	0
KL-4	409	409.5	0	0
KL-4	409.5	410	0	0
KL-4	410	410.5	0	0
KL-4	410.5	411	0	0
KL-4	411	411.5	0	0
KL-4	411.5	412	0	0
KL-4	412	412.5	0	0
KL-4	412.5	413	0	0
KL-4	413	413.5	0	0
KL-4	413.5	414	0	0
KL-4	414	414.5	0	0
KL-4	414.5	415	0	0
KL-4	415	415.5	0	0
KL-4	415.5	416	0	0
KL-4	416	416.5	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
KL-4	416.5	417	13582	0.48	71.6	0	0	11.49	0
KL-4	417	417.5	16023	0.92	57.6	0	0	3.13	0
KL-4	417.5	418	18461	0.57	67.64	0	0	16.53	0
KL-4	418	418.5	18398	0.16	46.13	0	0	36.97	0
KL-4	418.5	419	16485	0.25	78.71	0	0	10.83	0
KL-4	419	419.5	13963	0.28	66.41	0	0	15.71	0
KL-4	419.5	420	16656	0.18	72.45	0	0	16.47	0
KL-4	420	420.5	17180	0.13	77.28	0	0	13.72	0
KL-4	420.5	421	14645	0.12	51.85	0	0	37.26	0
KL-4	421	421.5	14908	0.89	71.48	0	0	2.21	0
KL-4	421.5	422	17961	0.71	73.36	0	0	0.47	0
KL-4	422	422.5	19109	0.29	72.97	0	0	14.28	0
KL-4	422.5	423	6618	0.71	66.26	0	0	10.32	0
KL-4	423	423.5	20163	0.31	74.9	0	0	9.45	0
KL-4	423.5	424	20191	0.97	81.18	0	0	6.27	0
KL-4	424	424.5	19032	0.53	66.09	0	0	11.82	0
KL-4	424.5	425	11032	0.69	62.24	0	0	2.17	0
KL-4	425	425.5	18078	1.86	60.02	0	0	5.51	0
KL-4	425.5	426	19083	0.79	53.86	0	0	1.67	0
KL-4	426	426.5	11382	0.81	55.25	0	0	1.84	0
KL-4	426.5	427	16703	1.02	72.36	0	0	8.99	0
KL-4	427	427.5	17045	1.09	57.17	0	0	6.09	0
KL-4	427.5	428	18243	0.82	45.58	0	0	7.19	0
KL-4	428	428.5	9899	0.71	49	0	0.08	16.04	0
KL-4	428.5	429	15058	0.51	58.89	0	0	11.01	0
KL-4	429	429.5	18406	0.36	71.42	0	0	11.29	0
KL-4	429.5	430	12682	0.38	54.16	0	0	27.34	0
KL-4	430	430.5	12950	0.56	63.02	0	0	8.01	0
KL-4	430.5	431	18370	0.23	47.21	0	0	28.36	0
KL-4	431	431.5	17940	0.18	54.44	0	0	31.22	0
KL-4	431.5	432	14022	0.48	50.33	0	0	26.22	0
KL-4	432	432.5	19864	0.15	32.08	0	0	48.8	0
KL-4	432.5	433	18356	1.07	61.68	0	0.04	20.89	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
KL-4	416.5	417	0	0	0	0	0	0
KL-4	417	417.5	0	0	0	0	0	0
KL-4	417.5	418	0	0	0	0	0	0
KL-4	418	418.5	0	0	0	0	0	0
KL-4	418.5	419	0	0	0	0	0	0
KL-4	419	419.5	0	0	0	0	0	0
KL-4	419.5	420	0	0	0	0	0	0
KL-4	420	420.5	0	0	0	0	0	0
KL-4	420.5	421	0	0	0	0	0	0
KL-4	421	421.5	0	0	0	0	0	0
KL-4	421.5	422	0	0	0	0	0	0
KL-4	422	422.5	0	0	0	0	0	0
KL-4	422.5	423	0	0	0	0	0	0
KL-4	423	423.5	0	0	0	0	0	0
KL-4	423.5	424	0	0	0	0	0	0
KL-4	424	424.5	0	0	0	0	0	0
KL-4	424.5	425	0	0	0	0	0	0
KL-4	425	425.5	0	0	0	0	0	0
KL-4	425.5	426	0	0	0	0	0	0
KL-4	426	426.5	0	0	0	0	0	0
KL-4	426.5	427	0	0	0	0	0	0
KL-4	427	427.5	0	0	0	0	0	0
KL-4	427.5	428	0	0	0	0	0	0
KL-4	428	428.5	0	0	0	1.36	0	0
KL-4	428.5	429	0	0	0	0	0	0
KL-4	429	429.5	0	0	0	0	0	0
KL-4	429.5	430	0	0	0	0	0	0
KL-4	430	430.5	0	0	0	0	0	0
KL-4	430.5	431	0	0	0	0	0	0
KL-4	431	431.5	0	0	0	0	0	0
KL-4	431.5	432	0	0	0	0	0	0
KL-4	432	432.5	0	0	0	0	0	0
KL-4	432.5	433	0	0.02	0	0	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
KL-4	416.5	417	0.3	10.9	71.82	0	0	0
KL-4	417	417.5	0.08	36.15	58.36	0.09	0	0
KL-4	417.5	418	0.25	6.4	67.82	0	0	0.06
KL-4	418	418.5	0.72	5.3	46.14	0	0	0
KL-4	418.5	419	0.04	6.35	78.73	0	0	0
KL-4	419	419.5	0.09	11.29	66.69	0	0	0
KL-4	419.5	420	0.22	2.77	72.5	0	0	0
KL-4	420	420.5	0.01	1.65	77.32	0	0	0
KL-4	420.5	421	0.04	1.15	51.96	0	0	0
KL-4	421	421.5	0.09	23.65	72.15	0.06	0	0
KL-4	421.5	422	0.17	25.22	73.59	0.08	0	0
KL-4	422	422.5	0.07	6.45	72.98	0	0	0
KL-4	422.5	423	0.76	15.23	67.04	0.06	0	0.08
KL-4	423	423.5	0.05	10.39	74.95	0	0	0
KL-4	423.5	424	0.01	7.88	82.62	0.02	0	0
KL-4	424	424.5	0.13	15.75	66.72	0.01	0	0
KL-4	424.5	425	0.94	32.15	63.1	0	0	0
KL-4	425	425.5	0.39	27.76	61.49	0.44	0	0
KL-4	425.5	426	0.03	42.64	53.93	0	0	0
KL-4	426	426.5	0.29	40.72	55.59	0	0	0
KL-4	426.5	427	0.09	13.15	73.07	0.14	0	0
KL-4	427	427.5	0.33	29.61	58.54	0.21	0	0.07
KL-4	427.5	428	0.25	42.7	45.91	0.03	0	0.04
KL-4	428	428.5	2.46	25.94	50.43	0	0	0.75
KL-4	428.5	429	0.74	25.09	59.18	0	0	0
KL-4	429	429.5	0	11.5	71.57	0	0	0
KL-4	429.5	430	0	5.84	54.23	0	0	0
KL-4	430	430.5	0.43	24.52	63.35	0	0	0
KL-4	430.5	431	0.69	20.14	47.21	0	0	0
KL-4	431	431.5	0.44	5.03	54.54	0	0	0
KL-4	431.5	432	0.04	14.96	50.37	0	0	0
KL-4	432	432.5	0.15	2.84	32.1	0	0	0
KL-4	432.5	433	0.24	4.26	62.85	0.51	0	0.13

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
KL-4	416.5	417	0	0	0	0	0
KL-4	417	417.5	0	0	0	0	0
KL-4	417.5	418	0	0	0	0	0
KL-4	418	418.5	0	0	0	0	0
KL-4	418.5	419	0	0	0	0	0
KL-4	419	419.5	0	0	0	0	0
KL-4	419.5	420	0	0	0	0	0
KL-4	420	420.5	0	0	0	0	0
KL-4	420.5	421	0	0	0	0	0
KL-4	421	421.5	0	0	0	0	0
KL-4	421.5	422	0	0	0	0	0
KL-4	422	422.5	0	0	0	0	0
KL-4	422.5	423	0	0	0	0	0
KL-4	423	423.5	0	0	0	0	0
KL-4	423.5	424	0	0	0	0	0
KL-4	424	424.5	0	0	0	0	0
KL-4	424.5	425	0	0	0	0	0
KL-4	425	425.5	0	0	0	0	0
KL-4	425.5	426	0	0	0	0	0
KL-4	426	426.5	0	0	0	0	0
KL-4	426.5	427	0	0	0	0	0
KL-4	427	427.5	0	0	0	0	0
KL-4	427.5	428	0	0	0	0	0
KL-4	428	428.5	0.06	0	0	2349.24	0
KL-4	428.5	429	0	0	0	0	0
KL-4	429	429.5	0	0	0	0	0
KL-4	429.5	430	0	0	0	0	0
KL-4	430	430.5	0	0	0	0	0
KL-4	430.5	431	0	0	0	0	0
KL-4	431	431.5	0	0	0	0	0
KL-4	431.5	432	0	0	0	0	0
KL-4	432	432.5	0	0	0	0	0
KL-4	432.5	433	0.01	0	0	2344.13	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
KL-4	416.5	417	0	0	0	0	0
KL-4	417	417.5	0	0	0	0	0
KL-4	417.5	418	0	0	0	0	0
KL-4	418	418.5	0	0	0	0	0
KL-4	418.5	419	0	0	0	0	0
KL-4	419	419.5	0	0	0	0	0
KL-4	419.5	420	0	0	0	0	0
KL-4	420	420.5	0	0	0	0	0
KL-4	420.5	421	0	0	0	0	0
KL-4	421	421.5	0	0	0	0	0
KL-4	421.5	422	0	0	0	0	0
KL-4	422	422.5	0	0	0	0	0
KL-4	422.5	423	0	0	0	0	0
KL-4	423	423.5	0	0	0	0	0
KL-4	423.5	424	0	0	0	0	0
KL-4	424	424.5	0	0	0	0	0
KL-4	424.5	425	0	0	0	0	0
KL-4	425	425.5	0	0	0	0	0
KL-4	425.5	426	0	0	0	0	0
KL-4	426	426.5	0	0	0	0	0
KL-4	426.5	427	0	0	0	0	0
KL-4	427	427.5	0	0	0	0	0
KL-4	427.5	428	0	0	0	0	0
KL-4	428	428.5	1.00851	0	0	0	0
KL-4	428.5	429	0	0	0	0	0
KL-4	429	429.5	0	0	0	0	0
KL-4	429.5	430	0	0	0	0	0
KL-4	430	430.5	0	0	0	0	0
KL-4	430.5	431	0	0	0	0	0
KL-4	431	431.5	0	0	0	0	0
KL-4	431.5	432	0	0	0	0	0
KL-4	432	432.5	0	0	0	0	0
KL-4	432.5	433	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
KL-4	416.5	417	0	0	0	0	0	0
KL-4	417	417.5	0	0	0	0	0	0
KL-4	417.5	418	0	0	0	0	0	0
KL-4	418	418.5	0	0	0	0	0	0
KL-4	418.5	419	0	0	0	0	0	0
KL-4	419	419.5	0	0	0	0	0	0
KL-4	419.5	420	0	0	0	0	0	0
KL-4	420	420.5	0	0	0	0	0	0
KL-4	420.5	421	0	0	0	0	0	0
KL-4	421	421.5	0	0	0	0	0	0
KL-4	421.5	422	0	0	0	0	0	0
KL-4	422	422.5	0	0	0	0	0	0
KL-4	422.5	423	0	0	0	0	0	0
KL-4	423	423.5	0	0	0	0	0	0
KL-4	423.5	424	0	0	0	0	0	0
KL-4	424	424.5	0	0	0	0	0	0
KL-4	424.5	425	0	0	0	0	0	0
KL-4	425	425.5	0	0	0	0	0	0
KL-4	425.5	426	0	0	0	0	0	0
KL-4	426	426.5	0	0	0	0	0	0
KL-4	426.5	427	0	0	0	0	0	0
KL-4	427	427.5	0	0	0	0	0	0
KL-4	427.5	428	0	0	0	0	0	0
KL-4	428	428.5	0	0	0	0	0	0
KL-4	428.5	429	0	0	0	0	0	0
KL-4	429	429.5	0	0	0	0	0	0
KL-4	429.5	430	0	0	0	0	0	0
KL-4	430	430.5	0	0	0	0	0	0
KL-4	430.5	431	0	0	0	0	0	0
KL-4	431	431.5	0	0	0	0	0	0
KL-4	431.5	432	0	0	0	0	0	0
KL-4	432	432.5	0	0	0	0	0	0
KL-4	432.5	433	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
KL-4	416.5	417	0	0
KL-4	417	417.5	0	0
KL-4	417.5	418	0	0
KL-4	418	418.5	0	0
KL-4	418.5	419	0	0
KL-4	419	419.5	0	0
KL-4	419.5	420	0	0
KL-4	420	420.5	0	0
KL-4	420.5	421	0	0
KL-4	421	421.5	0	0
KL-4	421.5	422	0	0
KL-4	422	422.5	0	0
KL-4	422.5	423	0	0
KL-4	423	423.5	0	0
KL-4	423.5	424	0	0
KL-4	424	424.5	0	0
KL-4	424.5	425	0	0
KL-4	425	425.5	0	0
KL-4	425.5	426	0	0
KL-4	426	426.5	0	0
KL-4	426.5	427	0	0
KL-4	427	427.5	0	0
KL-4	427.5	428	0	0
KL-4	428	428.5	0	0
KL-4	428.5	429	0	0
KL-4	429	429.5	0	0
KL-4	429.5	430	0	0
KL-4	430	430.5	0	0
KL-4	430.5	431	0	0
KL-4	431	431.5	0	0
KL-4	431.5	432	0	0
KL-4	432	432.5	0	0
KL-4	432.5	433	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
KL-4	433	433.5	16882	0.86	71.6	0	0	5.1	0
KL-4	433.5	434	10075	0.66	84.19	0	0	2.93	0
KL-4	434	434.5	17837	0.46	77.11	0	0	6.26	0
KL-4	434.5	435	17897	0.59	42.48	0	2.14	10.82	1.06
KL-4	435	435.5	11110	0.39	66.19	0	0	18.33	0
KL-4	435.5	436	17184	0.52	44.7	0	0	37.77	0
KL-4	436	436.5	19993	0.49	66.08	0	0	19.11	0
KL-4	436.5	437	20725	0.43	70.48	0	0	16.1	0
KL-4	437	437.5	13800	0.12	51.52	0	0	37.75	0
KL-4	437.5	438	18099	0.1	32.92	0	0	54.21	0
KL-4	438	438.5	17122	1.07	65.93	0	0	16.16	0
KL-4	438.5	439	15961	0.34	76.59	0	0	9.91	0
KL-4	439	439.5	15472	0.4	63.37	0	0	15.09	0
KL-4	439.5	440	17686	0.87	69.54	0	0	5.85	0
KL-4	440	440.5	12727	1.08	53.34	0	0	15.99	0
KL-4	440.5	441	14664	1.57	67.26	0	0	8.41	0
KL-4	441	441.5	19930	0.51	63.48	0	0	13.34	0
KL-4	441.5	442	20022	1.03	32.9	0	0	0.59	0
KL-4	442	442.5	19942	0.73	52.86	0	0	10	0
KL-4	442.5	443	15291	0.14	30.72	0	0	56.45	0
KL-4	443	443.5	19863	0	47.4	0	0	41.33	0
KL-4	443.5	444	19653	0.04	18.94	0	0	72.68	0
KL-4	444	444.5	11413	0.1	27.3	0	0	58.49	0
KL-4	444.5	445	20668	0.62	73.96	0	0	9.3	0
KL-4	445	445.5	20606	0.71	70.95	0	0	9.98	0
KL-4	445.5	446	19265	0.25	57.06	0	0	29.22	0
KL-4	446	446.5	10108	1.46	43.08	0	0	37.24	0
KL-4	446.5	447	19833	0.23	44.04	0	0	43.77	0
KL-4	447	447.5	20242	0.75	44.23	0	0	37.72	0
KL-4	447.5	448	17043	0.33	56.49	0	0	32.42	0
KL-4	448	448.5	14383	0.54	51.74	0	0	31.94	0
KL-4	448.5	449	18710	0.39	40.48	0	0	46.48	0
KL-4	449	449.5	16077	0.16	23.01	0	0	50.79	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
KL-4	433	433.5	0	0	0	0	0	0
KL-4	433.5	434	0	0	0	0	0	0
KL-4	434	434.5	0	0	0	0	0	0
KL-4	434.5	435	0	0	0.97	0	3.24	31.49
KL-4	435	435.5	0	0	0	0	0	0
KL-4	435.5	436	0	0	0	0	0	0
KL-4	436	436.5	0	0	0	0	0	0
KL-4	436.5	437	0	0	0	0	0	0
KL-4	437	437.5	0	0	0	0	0	0
KL-4	437.5	438	0	0	0	0	0	0
KL-4	438	438.5	0	0	0	0	0	0
KL-4	438.5	439	0	0	0	0	0	0
KL-4	439	439.5	0	0	0	0	0	0
KL-4	439.5	440	0	0	0	0	0	0
KL-4	440	440.5	0	0	0	0	0	0
KL-4	440.5	441	0	0	0	0	0	0
KL-4	441	441.5	0	0	0	0	0	0
KL-4	441.5	442	0	0	0	0	0	0
KL-4	442	442.5	0	0	0	0	0	0
KL-4	442.5	443	0	0	0	0	0	0
KL-4	443	443.5	0	0	0	0	0	0
KL-4	443.5	444	0	0	0	0	0	0
KL-4	444	444.5	0	0	0	0	0	0
KL-4	444.5	445	0	0	0	0	0	0
KL-4	445	445.5	0	0	0	0	0	0
KL-4	445.5	446	0	0	0	0	0	0
KL-4	446	446.5	0	0	0	0	0	0
KL-4	446.5	447	0	0	0	0	0	0
KL-4	447	447.5	0	0	0	0	0	0
KL-4	447.5	448	0	0	0	0	0	0
KL-4	448	448.5	0	0	0	0	0	0
KL-4	448.5	449	0	0	0	0	0	0
KL-4	449	449.5	0	0	0	0.01	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
KL-4	433	433.5	0.09	19.77	72.41	0.09	0	0
KL-4	433.5	434	0	11.16	84.93	0	0	0
KL-4	434	434.5	0.04	12.52	77.43	0.04	0	0
KL-4	434.5	435	0.88	13.5	46.27	0.02	0	0.51
KL-4	435	435.5	0.11	5.73	66.55	0.01	0	0
KL-4	435.5	436	0	3.95	45.36	0.04	0	0
KL-4	436	436.5	0	3.93	66.5	0.02	0	0
KL-4	436.5	437	0	6.78	70.54	0	0	0
KL-4	437	437.5	0.15	1.6	51.64	0	0	0
KL-4	437.5	438	0	2.3	32.94	0	0	0
KL-4	438	438.5	0.05	8.43	67.53	0.16	0	0
KL-4	438.5	439	0.41	7.98	76.7	0	0	0
KL-4	439	439.5	0.24	15.39	63.4	0	0	0
KL-4	439.5	440	0.05	19.74	70.23	0.11	0	0
KL-4	440	440.5	0.37	20.71	54.63	0.2	0	0
KL-4	440.5	441	0.22	16.11	68.26	0.24	0	0
KL-4	441	441.5	0.54	15.19	63.62	0.01	0	0
KL-4	441.5	442	0	64.68	33.42	0.01	0	0
KL-4	442	442.5	0.08	31.15	52.94	0	0	0
KL-4	442.5	443	0	2.33	30.73	0	0	0
KL-4	443	443.5	0	0	47.4	0	0	0
KL-4	443.5	444	0	0.33	18.94	0	0	0
KL-4	444	444.5	0	1.26	27.36	0	0	0
KL-4	444.5	445	0.01	10.9	74.09	0	0	0
KL-4	445	445.5	1.23	11.21	71.42	0.11	0	0
KL-4	445.5	446	0.01	4.19	57.33	0.06	0	0
KL-4	446	446.5	0	9.46	43.27	0.3	0	0
KL-4	446.5	447	0	0.83	44.21	0	0	0
KL-4	447	447.5	0.75	5.59	44.93	0.16	0	0
KL-4	447.5	448	0	2.32	56.55	0	0	0
KL-4	448	448.5	1.53	1.95	52.22	0.13	0	0
KL-4	448.5	449	0.57	0.21	40.73	0.35	0	0
KL-4	449	449.5	4.37	8.22	23.02	0	0	0.01

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
KL-4	433	433.5	0	0	0	0	0
KL-4	433.5	434	0	0	0	0	0
KL-4	434	434.5	0	0	0	0	0
KL-4	434.5	435	0.13	0.27	0	2339.74	0
KL-4	435	435.5	0	0	0	0	0
KL-4	435.5	436	0	0	0	0	0
KL-4	436	436.5	0	0	0	0	0
KL-4	436.5	437	0	0	0	0	0
KL-4	437	437.5	0	0	0	0	0
KL-4	437.5	438	0	0	0	0	0
KL-4	438	438.5	0	0	0	0	0
KL-4	438.5	439	0	0	0	0	0
KL-4	439	439.5	0	0.01	0	0	0
KL-4	439.5	440	0	0	0	0	0
KL-4	440	440.5	0	0	0	0	0
KL-4	440.5	441	0	0	0	0	0
KL-4	441	441.5	0	0	0	0	0
KL-4	441.5	442	0	0	0	0	0
KL-4	442	442.5	0	0	0	0	0
KL-4	442.5	443	0	0	0	0	0
KL-4	443	443.5	0	0	0	0	0
KL-4	443.5	444	0	0	0	0	0
KL-4	444	444.5	0	0	0	0	0
KL-4	444.5	445	0	0	0	0	0
KL-4	445	445.5	0	0	0	0	0
KL-4	445.5	446	0	0	0	0	0
KL-4	446	446.5	0	0	0	0	0
KL-4	446.5	447	0	0.01	0	0	0
KL-4	447	447.5	0	0	0	0	0
KL-4	447.5	448	0	0	0	0	0
KL-4	448	448.5	0	0	0	0	0
KL-4	448.5	449	0	0	0	0	0
KL-4	449	449.5	0	0.02	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
KL-4	433	433.5	0	0	0	0	0
KL-4	433.5	434	0	0	0	0	0
KL-4	434	434.5	0	0	0	0	0
KL-4	434.5	435	0	1.12	2200.52	0	40.82
KL-4	435	435.5	0	0	0	0	0
KL-4	435.5	436	0	0	0	0	0
KL-4	436	436.5	0	0	0	0	0
KL-4	436.5	437	0	0	0	0	0
KL-4	437	437.5	0	0	0	0	0
KL-4	437.5	438	0	0	0	0	0
KL-4	438	438.5	0	0	0	0	0
KL-4	438.5	439	0	0	0	0	0
KL-4	439	439.5	0	0	0	0	0
KL-4	439.5	440	0	0	0	0	0
KL-4	440	440.5	0	0	0	0	0
KL-4	440.5	441	0	0	0	0	0
KL-4	441	441.5	0	0	0	0	0
KL-4	441.5	442	0	0	0	0	0
KL-4	442	442.5	0	0	0	0	0
KL-4	442.5	443	0	0	0	0	0
KL-4	443	443.5	0	0	0	0	0
KL-4	443.5	444	0	0	0	0	0
KL-4	444	444.5	0	0	0	0	0
KL-4	444.5	445	0	0	0	0	0
KL-4	445	445.5	0	0	0	0	0
KL-4	445.5	446	0	0	0	0	0
KL-4	446	446.5	0	0	0	0	0
KL-4	446.5	447	0	0	0	0	0
KL-4	447	447.5	0	0	0	0	0
KL-4	447.5	448	0	0	0	0	0
KL-4	448	448.5	0	0	0	0	0
KL-4	448.5	449	0	0	0	0	0
KL-4	449	449.5	1.00063	0.47	2205.2	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
KL-4	433	433.5	0	0	0	0	0	0
KL-4	433.5	434	0	0	0	0	0	0
KL-4	434	434.5	0	0	0	0	0	0
KL-4	434.5	435	59.18	0	0	2254.18	0	4.52
KL-4	435	435.5	0	0	0	0	0	0
KL-4	435.5	436	0	0	0	0	0	0
KL-4	436	436.5	0	0	0	0	0	0
KL-4	436.5	437	0	0	0	0	0	0
KL-4	437	437.5	0	0	0	0	0	0
KL-4	437.5	438	0	0	0	0	0	0
KL-4	438	438.5	0	0	0	0	0	0
KL-4	438.5	439	0	0	0	0	0	0
KL-4	439	439.5	0	0	0	0	0	0
KL-4	439.5	440	0	0	0	0	0	0
KL-4	440	440.5	0	0	0	0	0	0
KL-4	440.5	441	0	0	0	0	0	0
KL-4	441	441.5	0	0	0	0	0	0
KL-4	441.5	442	0	0	0	0	0	0
KL-4	442	442.5	0	0	0	0	0	0
KL-4	442.5	443	0	0	0	0	0	0
KL-4	443	443.5	0	0	0	0	0	0
KL-4	443.5	444	0	0	0	0	0	0
KL-4	444	444.5	0	0	0	0	0	0
KL-4	444.5	445	0	0	0	0	0	0
KL-4	445	445.5	0	0	0	0	0	0
KL-4	445.5	446	0	0	0	0	0	0
KL-4	446	446.5	0	0	0	0	0	0
KL-4	446.5	447	0	0	0	0	0	0
KL-4	447	447.5	0	0	0	0	0	0
KL-4	447.5	448	0	0	0	0	0	0
KL-4	448	448.5	0	0	0	0	0	0
KL-4	448.5	449	0	0	0	0	0	0
KL-4	449	449.5	100	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
KL-4	433	433.5	0	0
KL-4	433.5	434	0	0
KL-4	434	434.5	0	0
KL-4	434.5	435	82.49	12.99
KL-4	435	435.5	0	0
KL-4	435.5	436	0	0
KL-4	436	436.5	0	0
KL-4	436.5	437	0	0
KL-4	437	437.5	0	0
KL-4	437.5	438	0	0
KL-4	438	438.5	0	0
KL-4	438.5	439	0	0
KL-4	439	439.5	0	0
KL-4	439.5	440	0	0
KL-4	440	440.5	0	0
KL-4	440.5	441	0	0
KL-4	441	441.5	0	0
KL-4	441.5	442	0	0
KL-4	442	442.5	0	0
KL-4	442.5	443	0	0
KL-4	443	443.5	0	0
KL-4	443.5	444	0	0
KL-4	444	444.5	0	0
KL-4	444.5	445	0	0
KL-4	445	445.5	0	0
KL-4	445.5	446	0	0
KL-4	446	446.5	0	0
KL-4	446.5	447	0	0
KL-4	447	447.5	0	0
KL-4	447.5	448	0	0
KL-4	448	448.5	0	0
KL-4	448.5	449	0	0
KL-4	449	449.5	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
KL-4	449.5	450	10048	1.12	36.96	0	0	29.75	0
KL-4	450	450.5	13047	0.18	25.4	0	0	57.07	0
KL-4	450.5	451	15448	0.03	30.71	0	0	59.25	0
KL-4	451	451.5	15650	0.13	57.11	0	0	31.16	0
KL-4	451.5	452	10594	0.03	48.33	0	0	38.97	0
KL-4	452	452.5	15351	0.18	38.32	0	0	47.87	0
KL-4	452.5	453	17863	0.43	33.42	0	0	52.19	0
KL-4	453	453.5	16770	0.49	26.71	0	0	57.1	0
KL-4	453.5	454	15724	0.81	43.95	0	0	31.25	0
KL-4	454	454.5	14951	0.6	31.59	0	0	57.88	0
KL-4	454.5	455	18716	0.23	19.48	0	0	68.18	0
KL-4	455	455.5	18336	0.28	30.27	0	0	54.36	0
KL-4	455.5	456	13951	0.23	38.04	0	0	46.32	0
KL-4	456	456.5	14839	0.69	38.48	0	0	43.06	0
KL-4	456.5	457	16525	0.92	78.76	0	0	12.75	0
KL-4	457	457.5	16303	0.1	61.54	0	0	26.65	0
KL-4	457.5	458	7745	1.14	43.58	0	0	40.48	0
KL-4	458	458.5	16017	0.12	56.43	0	0	34.32	0
KL-4	458.5	459	19661	0.22	66.78	0	0	20.75	0
KL-4	459	459.5	14127	0.87	78.41	0	0	5.3	0
KL-4	459.5	460	15974	0.19	45.8	0.01	0	44.96	0
KL-4	460	460.5	23433	0.02	55.04	0	0	33.88	0
KL-4	460.5	461	20419	0.88	51.24	0	0	25.37	0
KL-4	461	461.5	7084	0.07	56.03	0	0	31.82	0
KL-4	461.5	462	23299	0.09	41.23	0	0	47.86	0
KL-4	462	462.5	22972	0.11	41.92	0	0	44.37	0
KL-4	462.5	463	17351	1.29	72.33	0	0	6.84	0
KL-4	463	463.5	22696	0.62	63.96	0	0	17.7	0
KL-4	463.5	464	22858	0.49	70.71	0	0	17.04	0
KL-4	464	464.5	14418	0.59	83.4	0	0	5.01	0
KL-4	464.5	465	22788	0.34	78.41	0	0	8.48	0
KL-4	465	465.5	23387	0.47	80.93	0	0	6.63	0
KL-4	465.5	466	16768	0.41	71.48	0	0	10.5	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
KL-4	449.5	450	0	0	0	0	0	0
KL-4	450	450.5	0	0	0	0	0	0
KL-4	450.5	451	0	0	0	0	0	0
KL-4	451	451.5	0	0	0	0	0	0
KL-4	451.5	452	0	0	0	0	0	0
KL-4	452	452.5	0	0	0	0	0	0
KL-4	452.5	453	0	0	0	0	0	0
KL-4	453	453.5	0	0	0	0	0	0
KL-4	453.5	454	0	0	0	0	0	0
KL-4	454	454.5	0	0	0	0	0	0
KL-4	454.5	455	0	0	0	0	0	0
KL-4	455	455.5	0	0	0	0	0	0
KL-4	455.5	456	0	0	0	0	0	0
KL-4	456	456.5	0	0	0	0	0	0
KL-4	456.5	457	0	0	0	0	0	0
KL-4	457	457.5	0	0	0	0	0	0
KL-4	457.5	458	0	0	0	0	0	0
KL-4	458	458.5	0	0	0.01	0	0	0
KL-4	458.5	459	0	0	0	0	0	0
KL-4	459	459.5	0	0	0	0	0	0
KL-4	459.5	460	0	0	0	0	0	0
KL-4	460	460.5	0	0	0	0	0	0
KL-4	460.5	461	0	0	0	1.05	0	0
KL-4	461	461.5	0	0	0	0	0	0
KL-4	461.5	462	0	0	0	0	0	0
KL-4	462	462.5	0	0	0	0	0	0
KL-4	462.5	463	0	0	0	0	0	0
KL-4	463	463.5	0	0	0	0	0	0
KL-4	463.5	464	0	0	0	0	0	0
KL-4	464	464.5	0	0	0	0	0	0
KL-4	464.5	465	0	0	0	0	0	0
KL-4	465	465.5	0	0	0	0	0	0
KL-4	465.5	466	0	0	0	0	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
KL-4	449.5	450	1.4	20.38	36.99	0	0	0
KL-4	450	450.5	0	2.94	25.4	0.01	0	0
KL-4	450.5	451	0.17	1.62	30.72	0	0	0
KL-4	451	451.5	0	0.8	57.42	0	0	0
KL-4	451.5	452	0.13	0.18	48.49	0	0	0
KL-4	452	452.5	0	3.19	38.33	0	0	0
KL-4	452.5	453	0.24	3.45	33.6	0.02	0	0
KL-4	453	453.5	0	2.53	26.75	0.04	0	0
KL-4	453.5	454	0.04	14.65	44.7	0.06	0	0
KL-4	454	454.5	0.03	0.19	31.6	0.09	0	0
KL-4	454.5	455	0	1.86	19.48	0	0	0
KL-4	455	455.5	0	1.52	30.37	0	0	0
KL-4	455.5	456	0.02	7.33	38.21	0.03	0	0
KL-4	456	456.5	0.2	6.28	38.58	0.05	0	0
KL-4	456.5	457	0.07	3.27	80.24	0.24	0	0
KL-4	457	457.5	0	2.23	61.72	0	0	0
KL-4	457.5	458	0.7	4.73	44.93	0	0	0
KL-4	458	458.5	0.24	1.24	56.55	0	0	0
KL-4	458.5	459	0.1	4.26	67.21	0	0	0
KL-4	459	459.5	0.31	13.56	80.05	0.13	0	0
KL-4	459.5	460	0.16	1.02	45.82	0	0	0
KL-4	460	460.5	0	0.58	55.06	0	0	0
KL-4	460.5	461	0.63	11.83	52.14	0	0	0.03
KL-4	461	461.5	0.06	3.2	56.18	0	0	0
KL-4	461.5	462	0	0.73	41.36	0	0	0
KL-4	462	462.5	0	1.53	42.24	0.02	0	0
KL-4	462.5	463	0.51	14.75	73.83	0.31	0	0
KL-4	463	463.5	0.06	10.8	64.45	0.05	0	0
KL-4	463.5	464	0	4.99	71.01	0.01	0	0
KL-4	464	464.5	0	7.32	84.02	0.06	0	0
KL-4	464.5	465	0.06	8.9	78.55	0	0	0
KL-4	465	465.5	0	8.78	81.1	0	0	0
KL-4	465.5	466	0	13.68	71.57	0	0	0

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
KL-4	449.5	450	0	0	0	0	0
KL-4	450	450.5	0	0	0	0	0
KL-4	450.5	451	0	0	0	0	0
KL-4	451	451.5	0	0	0	0	0
KL-4	451.5	452	0	0	0	0	0
KL-4	452	452.5	0	0	0	0	0
KL-4	452.5	453	0	0	0	0	0
KL-4	453	453.5	0	0	0	0	0
KL-4	453.5	454	0	0	0	0	0
KL-4	454	454.5	0	0	0	0	0
KL-4	454.5	455	0	0	0	0	0
KL-4	455	455.5	0	0.01	0	0	0
KL-4	455.5	456	0	0.01	0	0	0
KL-4	456	456.5	0	0	0	0	0
KL-4	456.5	457	0	0	0	0	0
KL-4	457	457.5	0	0	0	0	0
KL-4	457.5	458	0	0	0	0	0
KL-4	458	458.5	0	0	0	0	0
KL-4	458.5	459	0	0	0	0	0
KL-4	459	459.5	0	0	0	0	0
KL-4	459.5	460	0	0	0	0	0
KL-4	460	460.5	0	0	0	0	0
KL-4	460.5	461	0	0	0.01	0	0
KL-4	461	461.5	0	0	0	0	0
KL-4	461.5	462	0	0	0	0	0
KL-4	462	462.5	0	0	0	0	0
KL-4	462.5	463	0	0	0	0	0
KL-4	463	463.5	0	0	0	0	0
KL-4	463.5	464	0	0	0	0	0
KL-4	464	464.5	0	0	0	0	0
KL-4	464.5	465	0	0	0	0	0
KL-4	465	465.5	0	0	0	0	0
KL-4	465.5	466	0	0	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
KL-4	449.5	450	0	0	0	0	0
KL-4	450	450.5	0	0	0	0	0
KL-4	450.5	451	0	0	0	0	0
KL-4	451	451.5	0	0	0	0	0
KL-4	451.5	452	0	0	0	0	0
KL-4	452	452.5	0	0	0	0	0
KL-4	452.5	453	0	0	0	0	0
KL-4	453	453.5	0	0	0	0	0
KL-4	453.5	454	0	0	0	0	0
KL-4	454	454.5	0	0	0	0	0
KL-4	454.5	455	0	0	0	0	0
KL-4	455	455.5	0	0	0	0	0
KL-4	455.5	456	0	0.21	2192	50	50
KL-4	456	456.5	0	0	0	0	0
KL-4	456.5	457	0	0	0	0	0
KL-4	457	457.5	0	0	0	0	0
KL-4	457.5	458	0	0	0	0	0
KL-4	458	458.5	0	0	0	0	0
KL-4	458.5	459	0	0	0	0	0
KL-4	459	459.5	0	0	0	0	0
KL-4	459.5	460	0	0	0	0	0
KL-4	460	460.5	0	0	0	0	0
KL-4	460.5	461	1.00068	0	0	0	0
KL-4	461	461.5	0	0	0	0	0
KL-4	461.5	462	0	0	0	0	0
KL-4	462	462.5	0	0	0	0	0
KL-4	462.5	463	0	0	0	0	0
KL-4	463	463.5	0	0	0	0	0
KL-4	463.5	464	0	0	0	0	0
KL-4	464	464.5	0	0	0	0	0
KL-4	464.5	465	0	0	0	0	0
KL-4	465	465.5	0	0	0	0	0
KL-4	465.5	466	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
KL-4	449.5	450	0	0	0	0	0	0
KL-4	450	450.5	0	0	0	0	0	0
KL-4	450.5	451	0	0	0	0	0	0
KL-4	451	451.5	0	0	0	0	0	0
KL-4	451.5	452	0	0	0	0	0	0
KL-4	452	452.5	0	0	0	0	0	0
KL-4	452.5	453	0	0	0	0	0	0
KL-4	453	453.5	0	0	0	0	0	0
KL-4	453.5	454	0	0	0	0	0	0
KL-4	454	454.5	0	0	0	0	0	0
KL-4	454.5	455	0	0	0	0	0	0
KL-4	455	455.5	0	0	0	0	0	0
KL-4	455.5	456	0	0	0	0	0	0
KL-4	456	456.5	0	0	0	0	0	0
KL-4	456.5	457	0	0	0	0	0	0
KL-4	457	457.5	0	0	0	0	0	0
KL-4	457.5	458	0	0	0	0	0	0
KL-4	458	458.5	0	0	0	0	0	0
KL-4	458.5	459	0	0	0	0	0	0
KL-4	459	459.5	0	0	0	0	0	0
KL-4	459.5	460	0	0	0	0	0	0
KL-4	460	460.5	0	0	0	0	0	0
KL-4	460.5	461	0	0	0	0	0	0
KL-4	461	461.5	0	0	0	0	0	0
KL-4	461.5	462	0	0	0	0	0	0
KL-4	462	462.5	0	0	0	0	0	0
KL-4	462.5	463	0	0	0	0	0	0
KL-4	463	463.5	0	0	0	0	0	0
KL-4	463.5	464	0	0	0	0	0	0
KL-4	464	464.5	0	0	0	0	0	0
KL-4	464.5	465	0	0	0	0	0	0
KL-4	465	465.5	0	0	0	0	0	0
KL-4	465.5	466	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
KL-4	449.5	450	0	0
KL-4	450	450.5	0	0
KL-4	450.5	451	0	0
KL-4	451	451.5	0	0
KL-4	451.5	452	0	0
KL-4	452	452.5	0	0
KL-4	452.5	453	0	0
KL-4	453	453.5	0	0
KL-4	453.5	454	0	0
KL-4	454	454.5	0	0
KL-4	454.5	455	0	0
KL-4	455	455.5	0	0
KL-4	455.5	456	0	0
KL-4	456	456.5	0	0
KL-4	456.5	457	0	0
KL-4	457	457.5	0	0
KL-4	457.5	458	0	0
KL-4	458	458.5	0	0
KL-4	458.5	459	0	0
KL-4	459	459.5	0	0
KL-4	459.5	460	0	0
KL-4	460	460.5	0	0
KL-4	460.5	461	0	0
KL-4	461	461.5	0	0
KL-4	461.5	462	0	0
KL-4	462	462.5	0	0
KL-4	462.5	463	0	0
KL-4	463	463.5	0	0
KL-4	463.5	464	0	0
KL-4	464	464.5	0	0
KL-4	464.5	465	0	0
KL-4	465	465.5	0	0
KL-4	465.5	466	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
KL-4	466	466.5	12020	0.13	78.74	0	0	13.22	0
KL-4	466.5	467	18067	0.34	79.94	0	0	6.2	0
KL-4	467	467.5	17801	0.52	62.13	0	0	20.9	0
KL-4	467.5	468	11494	0.28	51.58	0	0	33.7	0
KL-4	468	468.5	7846	0.55	38.39	0	0	27.08	0
KL-4	468.5	469	14861	0.61	52.81	0	0	12.5	0
KL-4	469	469.5	16146	1.34	81.26	0	0	4.84	0
KL-4	469.5	470	12917	0.63	72.42	0	0	15.3	0
KL-4	470	470.5	13682	0.29	71.42	0	0	15.82	0
KL-4	470.5	471	18049	0.43	68.09	0	0	14.97	0
KL-4	471	471.5	16422	0.38	63.84	0	0	18.26	0
KL-4	471.5	472	9874	0.41	40.46	0	0	43.48	0
KL-4	472	472.5	12912	0.25	28.96	0	0	18.55	0
KL-4	472.5	473	15059	1.43	26.95	0.05	5.3	37.32	0.24
KL-4	473	473.5	16900	0.26	11.4	0.03	2.94	64.64	0.18
KL-4	473.5	474	6704	0.3	43.9	0	0	33.68	0
KL-4	474	474.5	10851	0.18	58.27	0	0	27.82	0
KL-4	474.5	475	15891	0.51	76.85	0	0	11.79	0
KL-4	475	475.5	15850	0.08	46.23	0	0	42.83	0
KL-4	475.5	476	14020	0.12	46.41	0	0	43.05	0
KL-4	476	476.5	16523	0.67	45.86	0	0	31.33	0
KL-4	476.5	477	19591	0.11	71.24	0	0	20.07	0
KL-4	477	477.5	22724	0.32	62.25	0	0	26.88	0
KL-4	477.5	478	15409	0.26	46.81	0	0	38.52	0
KL-4	478	478.5	19130	0.13	49.35	0	0	38.12	0
KL-4	478.5	479	13437	0.63	52.15	0	0	26.81	0
KL-4	479	479.5	15627	0.6	51.94	0.01	0.27	20.59	0
KL-4	479.5	480	17929	0.75	42.67	0.12	0.41	24.66	0
KL-4	480	480.5	19017	0.21	45.99	0	0.08	29.61	0
KL-4	480.5	481	16769	0.64	60.17	0	0	23.79	0
KL-4	481	481.5	20473	0.66	77.33	0	0	8.37	0
KL-4	481.5	482	20462	0.56	78.28	0	0	8.59	0
KL-4	482	482.5	8741	0.37	85.3	0	0	7.6	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
KL-4	466	466.5	0	0	0	0	0	0
KL-4	466.5	467	0	0	0	0	0	0
KL-4	467	467.5	0	0	0	0	0	0
KL-4	467.5	468	0	0	0	0	0	0
KL-4	468	468.5	0	0	0	0	0	0
KL-4	468.5	469	0	0	0	0	0	0
KL-4	469	469.5	0	0	0	0	0	0
KL-4	469.5	470	0	0	0	0	0	0
KL-4	470	470.5	0	0	0	0	0	0
KL-4	470.5	471	0	0	0	0	0	0
KL-4	471	471.5	0	0	0	0	0	0
KL-4	471.5	472	0	0	0	0	0	0
KL-4	472	472.5	0	0	0	0	0	0
KL-4	472.5	473	0	0	0.45	0	0.68	12.27
KL-4	473	473.5	0	0	0.53	0.05	1.5	15.76
KL-4	473.5	474	0	0	0	0	0	0
KL-4	474	474.5	0	0	0	0	0	0
KL-4	474.5	475	0	0	0	0	0	0
KL-4	475	475.5	0	0	0	0	0	0
KL-4	475.5	476	0	0	0	0	0	0
KL-4	476	476.5	0	0	0	0	0	0
KL-4	476.5	477	0	0	0	0	0	0
KL-4	477	477.5	0	0	0	0	0	0
KL-4	477.5	478	0	0	0	0	0	0
KL-4	478	478.5	0	0	0	0	0	0
KL-4	478.5	479	0	0	0	0	0	0
KL-4	479	479.5	0	0	0.01	0	0	0.68
KL-4	479.5	480	0	0	0.01	0	0	0.37
KL-4	480	480.5	0	0	0	0	0	0
KL-4	480.5	481	0	0	0	0	0	0
KL-4	481	481.5	0	0.01	0	0	0	0
KL-4	481.5	482	0	0	0	0	0	0
KL-4	482	482.5	0	0	0	0	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
KL-4	466	466.5	0	3.51	78.94	0	0	0
KL-4	466.5	467	0	8.7	80.16	0	0	0
KL-4	467	467.5	0	6.08	62.55	0	0	0
KL-4	467.5	468	0	4.05	51.58	0	0	0
KL-4	468	468.5	0.48	24.14	39.27	0	0	0
KL-4	468.5	469	0	28.66	53.21	0	0	0
KL-4	469	469.5	0.01	10.37	82.81	0.39	0	0
KL-4	469.5	470	0.31	2.69	73.41	0.05	0	0
KL-4	470	470.5	0.01	6.04	71.53	0	0	0
KL-4	470.5	471	0	10.49	68.14	0	0	0
KL-4	471	471.5	0.02	9.96	63.84	0	0	0
KL-4	471.5	472	0	6.83	40.61	0	0	0
KL-4	472	472.5	1.05	45.11	29.3	0	0	0
KL-4	472.5	473	3.24	9.69	37.15	0.01	0	0.35
KL-4	473	473.5	0.01	1.44	18.11	0	0	0.05
KL-4	473.5	474	0.36	9.02	43.9	0	0	0
KL-4	474	474.5	0	1.48	58.35	0	0	0
KL-4	474.5	475	0.06	4.35	77.69	0.01	0	0.16
KL-4	475	475.5	0	0.18	46.35	0	0	0
KL-4	475.5	476	0.15	1.43	46.52	0	0	0
KL-4	476	476.5	0.48	8.16	46.18	0.13	0	0.04
KL-4	476.5	477	0.14	0.88	71.62	0	0	0
KL-4	477	477.5	0.13	1.96	62.51	0	0	0
KL-4	477.5	478	0.01	1.31	46.82	0	0	0
KL-4	478	478.5	0	1.35	49.47	0	0	0
KL-4	478.5	479	0.16	8.29	52.24	0.04	0	0
KL-4	479	479.5	3.08	14.52	53.77	0	0	0.39
KL-4	479.5	480	0.81	18.86	43.87	0.01	0	0.03
KL-4	480	480.5	1.38	10.47	46.3	0	0	0.05
KL-4	480.5	481	0	5.78	60.6	0	0	0
KL-4	481	481.5	0.19	8.19	77.84	0.17	0	0
KL-4	481.5	482	0	8.15	78.57	0	0	0
KL-4	482	482.5	0.35	5.88	85.59	0	0	0

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
KL-4	466	466.5	0	0	0	0	0
KL-4	466.5	467	0	0	0	0	0
KL-4	467	467.5	0	0	0	0	0
KL-4	467.5	468	0	0	0	0	0
KL-4	468	468.5	0	0	0	0	0
KL-4	468.5	469	0	0	0	0	0
KL-4	469	469.5	0	0	0	0	0
KL-4	469.5	470	0	0	0	0	0
KL-4	470	470.5	0	0	0	0	0
KL-4	470.5	471	0	0	0	0	0
KL-4	471	471.5	0	0	0	0	0
KL-4	471.5	472	0	0	0	0	0
KL-4	472	472.5	0	0	0	0	0
KL-4	472.5	473	0.01	1.19	0	2334.84	0
KL-4	473	473.5	0	3.39	0	2327	0
KL-4	473.5	474	0	0	0	0	0
KL-4	474	474.5	0	0	0	0	0
KL-4	474.5	475	0	0	0	0	0
KL-4	475	475.5	0	0	0	0	0
KL-4	475.5	476	0	0	0	0	0
KL-4	476	476.5	0	0	0	0	0
KL-4	476.5	477	0	0	0	0	0
KL-4	477	477.5	0	0	0	0	0
KL-4	477.5	478	0	0	0	0	0
KL-4	478	478.5	0	0	0	0	0
KL-4	478.5	479	0	0	0	0	0
KL-4	479	479.5	0	0.01	0	2330.87	0
KL-4	479.5	480	0	0.06	0	2334.83	0
KL-4	480	480.5	0	0	0	2341.42	0
KL-4	480.5	481	0	0	0	0	0
KL-4	481	481.5	0	0	0	0	904
KL-4	481.5	482	0	0	0	0	0
KL-4	482	482.5	0	0	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
KL-4	466	466.5	0	0	0	0	0
KL-4	466.5	467	0	0	0	0	0
KL-4	467	467.5	0	0	0	0	0
KL-4	467.5	468	0	0	0	0	0
KL-4	468	468.5	0	0	0	0	0
KL-4	468.5	469	0	0	0	0	0
KL-4	469	469.5	0	0	0	0	0
KL-4	469.5	470	0	0	0	0	0
KL-4	470	470.5	0	0	0	0	0
KL-4	470.5	471	0	0	0	0	0
KL-4	471	471.5	0	0	0	0	0
KL-4	471.5	472	0	0	0	0	0
KL-4	472	472.5	0	0	0	0	0
KL-4	472.5	473	0	0.5	2203.22	8.94	16.2
KL-4	473	473.5	0.99769	0.53	2203.78	4.9	12.78
KL-4	473.5	474	0	0	0	0	0
KL-4	474	474.5	0	0	0	0	0
KL-4	474.5	475	0	0	0	0	0
KL-4	475	475.5	0	0	0	0	0
KL-4	475.5	476	0	0	0	0	0
KL-4	476	476.5	0	0	0	0	0
KL-4	476.5	477	0	0	0	0	0
KL-4	477	477.5	0	0	0	0	0
KL-4	477.5	478	0	0	0	0	0
KL-4	478	478.5	0	0	0	0	0
KL-4	478.5	479	0	0	0	0	0
KL-4	479	479.5	0	0	0	0	0
KL-4	479.5	480	0	0.42	2205.85	0	0
KL-4	480	480.5	0	0	0	0	0
KL-4	480.5	481	0	0	0	0	0
KL-4	481	481.5	0	0	0	0	0
KL-4	481.5	482	0	0	0	0	0
KL-4	482	482.5	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
KL-4	466	466.5	0	0	0	0	0	0
KL-4	466.5	467	0	0	0	0	0	0
KL-4	467	467.5	0	0	0	0	0	0
KL-4	467.5	468	0	0	0	0	0	0
KL-4	468	468.5	0	0	0	0	0	0
KL-4	468.5	469	0	0	0	0	0	0
KL-4	469	469.5	0	0	0	0	0	0
KL-4	469.5	470	0	0	0	0	0	0
KL-4	470	470.5	0	0	0	0	0	0
KL-4	470.5	471	0	0	0	0	0	0
KL-4	471	471.5	0	0	0	0	0	0
KL-4	471.5	472	0	0	0	0	0	0
KL-4	472	472.5	0	0	0	0	0	0
KL-4	472.5	473	60.89	11.17	2.79	2254.34	0	6.9
KL-4	473	473.5	66.73	14.71	0.88	2256.81	5.88	0
KL-4	473.5	474	0	0	0	0	0	0
KL-4	474	474.5	0	0	0	0	0	0
KL-4	474.5	475	0	0	0	0	0	0
KL-4	475	475.5	0	0	0	0	0	0
KL-4	475.5	476	0	0	0	0	0	0
KL-4	476	476.5	0	0	0	0	0	0
KL-4	476.5	477	0	0	0	0	0	0
KL-4	477	477.5	0	0	0	0	0	0
KL-4	477.5	478	0	0	0	0	0	0
KL-4	478	478.5	0	0	0	0	0	0
KL-4	478.5	479	0	0	0	0	0	0
KL-4	479	479.5	0	0	0	0	0	0
KL-4	479.5	480	100	0	0	0	0	0
KL-4	480	480.5	0	0	0	0	0	0
KL-4	480.5	481	0	0	0	0	0	0
KL-4	481	481.5	0	0	0	0	0	0
KL-4	481.5	482	0	0	0	0	0	0
KL-4	482	482.5	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
KL-4	466	466.5	0	0
KL-4	466.5	467	0	0
KL-4	467	467.5	0	0
KL-4	467.5	468	0	0
KL-4	468	468.5	0	0
KL-4	468.5	469	0	0
KL-4	469	469.5	0	0
KL-4	469.5	470	0	0
KL-4	470	470.5	0	0
KL-4	470.5	471	0	0
KL-4	471	471.5	0	0
KL-4	471.5	472	0	0
KL-4	472	472.5	0	0
KL-4	472.5	473	82.76	10.34
KL-4	473	473.5	47.06	47.06
KL-4	473.5	474	0	0
KL-4	474	474.5	0	0
KL-4	474.5	475	0	0
KL-4	475	475.5	0	0
KL-4	475.5	476	0	0
KL-4	476	476.5	0	0
KL-4	476.5	477	0	0
KL-4	477	477.5	0	0
KL-4	477.5	478	0	0
KL-4	478	478.5	0	0
KL-4	478.5	479	0	0
KL-4	479	479.5	0	0
KL-4	479.5	480	0	0
KL-4	480	480.5	0	0
KL-4	480.5	481	0	0
KL-4	481	481.5	0	0
KL-4	481.5	482	0	0
KL-4	482	482.5	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
KL-4	482.5	483	21887	0.15	40.68	0	0	45.48	0
KL-4	483	483.5	21421	0.18	51.09	0	0	39.97	0
KL-4	483.5	484	16247	0.47	61.38	0	0	23.65	0
KL-4	484	484.5	17170	0.27	22.54	0	0	64.61	0
KL-4	484.5	485	20555	0.28	47.64	0	0	34.34	0
KL-4	485	485.5	20774	0	18.46	0	0	70.94	0
KL-4	485.5	486	11066	0.05	29.42	0	0	63.16	0
KL-4	486	486.5	20765	0.05	24.6	0	0	63.7	0
KL-4	486.5	487	20301	0.15	16.24	0	0	70.74	0
KL-4	487	487.5	16205	0.09	27.66	0	0	59.39	0
KL-4	487.5	488	10558	0.32	9.74	0	0	77.48	0
KL-4	488	488.5	16503	0.04	39.42	0	0	43.1	0
KL-4	488.5	489	20625	1.17	30.11	0	0	55.2	0
KL-4	489	489.5	10205	0.04	46.75	0	0	41.15	0
KL-4	489.5	490	19079	0.49	17.31	0	0	69.18	0
KL-4	490	490.5	16023	1.87	46.41	0	0	20.38	0
KL-4	490.5	491	17709	0.28	47.42	0.2	0.68	36.41	0
KL-4	491	491.5	8475	0.78	40.7	0	0	34.68	0
KL-4	491.5	492	20295	0.48	51.16	0	0	25.26	0
KL-4	492	492.5	20214	0.28	30.71	0	0	58.56	0
KL-4	492.5	493	14817	0.31	26.3	0	0	65.15	0
KL-4	493	493.5	14699	0.94	38.78	0	0	35.74	0
KL-4	493.5	494	16841	0.15	25.3	0.26	0	50.8	0
KL-4	494	494.5	912	0	5.26	0	0	84.21	0
KL-4	494.5	495	25160	0.16	34.78	0	0	50.96	0
KL-4	495	495.5	19420	0.16	16.24	0	0	73.44	0
KL-4	495.5	496	8412	0.11	41.14	0	0	41.38	0
KL-4	496	496.5	26246	0.43	38.27	0	0	48.54	0
KL-4	496.5	497	26400	0.79	19.67	0.01	0	65.15	0.02
KL-4	497	497.5	11514	0.22	24.69	0	0	65.62	0
KL-4	497.5	498	25714	0.33	30.02	0	0	58.71	0
KL-4	498	498.5	15581	1.68	22.94	0	0.02	59.39	0
KL-4	498.5	499	14004	0.01	22.29	0	0	64.27	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
KL-4	482.5	483	0	0	0	0	0	0
KL-4	483	483.5	0	0	0	0	0	0
KL-4	483.5	484	0	0	0	0	0	0
KL-4	484	484.5	0	0	0	0.01	0	0
KL-4	484.5	485	0	0	0	0	0	0
KL-4	485	485.5	0	0	0	0	0	0
KL-4	485.5	486	0	0	0	0	0	0
KL-4	486	486.5	0	0	0	0	0	0
KL-4	486.5	487	0	0	0	0	0	0
KL-4	487	487.5	0	0	0	0	0	0
KL-4	487.5	488	0	0	0	0	0	0
KL-4	488	488.5	0	0	0	0	0	0
KL-4	488.5	489	0	0.01	0	0	0	0
KL-4	489	489.5	0	0	0	0	0	0
KL-4	489.5	490	0	0	0	0	0	0
KL-4	490	490.5	0	0	0	0	0	0.57
KL-4	490.5	491	0	0	0.02	0	0.68	6.8
KL-4	491	491.5	0	0	0	0	0	0
KL-4	491.5	492	0	0	0	0	0	0
KL-4	492	492.5	0	0	0	0	0	0
KL-4	492.5	493	0	0	0	0	0	0
KL-4	493	493.5	0	0.01	0	0	0	0
KL-4	493.5	494	0	0	0	0.38	0	0
KL-4	494	494.5	0	0	0	0	0	0
KL-4	494.5	495	0	0	0	0	0	0
KL-4	495	495.5	0	0	0	0	0	0
KL-4	495.5	496	0	0	0	0	0	0
KL-4	496	496.5	0	0	0	0	0	0
KL-4	496.5	497	0	0.02	0	0	0	0
KL-4	497	497.5	0	0	0	0	0	0
KL-4	497.5	498	0	0	0	0	0	0
KL-4	498	498.5	0	0	0	0	0	0
KL-4	498.5	499	0	0	0	0	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
KL-4	482.5	483	0.01	1.04	40.79	0	0	0
KL-4	483	483.5	0	1.2	51.25	0.02	0	0
KL-4	483.5	484	0.07	2.88	61.89	0	0	0.01
KL-4	484	484.5	0.05	0.05	22.55	0.02	0	0
KL-4	484.5	485	0.02	3.43	47.81	0.01	0	0
KL-4	485	485.5	0	0.09	18.48	0	0	0
KL-4	485.5	486	0.01	0.06	29.44	0	0	0
KL-4	486	486.5	0.12	1.87	24.6	0	0	0
KL-4	486.5	487	0.01	1.87	16.33	0	0	0
KL-4	487	487.5	0	1.86	27.86	0	0	0
KL-4	487.5	488	0.38	2.85	9.78	0	0	0
KL-4	488	488.5	0.05	5.47	39.49	0	0	0
KL-4	488.5	489	0.01	1.45	30.5	0.83	0	0
KL-4	489	489.5	0.01	0.3	46.75	0	0	0
KL-4	489.5	490	0.02	1.28	17.49	0.03	0	0
KL-4	490	490.5	0.61	23	49.92	0.29	0	0
KL-4	490.5	491	0.41	3.79	48.74	0	0	0.01
KL-4	491	491.5	1.81	11.34	40.87	0.02	0	0
KL-4	491.5	492	0.1	12.56	51.9	0.03	0	0
KL-4	492	492.5	0	3.25	30.94	0.06	0	0
KL-4	492.5	493	0	0.84	26.5	0	0	0.13
KL-4	493	493.5	0.59	14.02	39.08	0.2	0	0
KL-4	493.5	494	1.92	11.83	25.41	0	0	0
KL-4	494	494.5	0	0	5.26	0	0	0
KL-4	494.5	495	0	4.73	34.9	0	0	0
KL-4	495	495.5	0.4	2.33	16.25	0	0	0
KL-4	495.5	496	0.06	4.13	41.17	0	0	0
KL-4	496	496.5	0	1.66	38.32	0.01	0	0
KL-4	496.5	497	0.21	1.51	20.86	0.09	0	0.02
KL-4	497	497.5	0	1.91	24.69	0	0	0
KL-4	497.5	498	0.29	1.63	30.5	0.03	0	0
KL-4	498	498.5	0.1	1.72	23.21	0.39	0	0
KL-4	498.5	499	0.2	0.96	22.3	0	0	0

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
KL-4	482.5	483	0	0.01	0	0	0
KL-4	483	483.5	0	0	0	0	0
KL-4	483.5	484	0	0	0	0	0
KL-4	484	484.5	0	0	0	0	0
KL-4	484.5	485	0	0	0	0	0
KL-4	485	485.5	0	0	0	0	0
KL-4	485.5	486	0	0	0	0	0
KL-4	486	486.5	0	0	0	0	0
KL-4	486.5	487	0	0	0	0	0
KL-4	487	487.5	0	0	0	0	0
KL-4	487.5	488	0	0	0	0	0
KL-4	488	488.5	0	0	0	0	0
KL-4	488.5	489	0	0	0	0	0
KL-4	489	489.5	0	0	0	0	0
KL-4	489.5	490	0	0	0	0	0
KL-4	490	490.5	0	0	0	0	0
KL-4	490.5	491	0	0.07	0	2338.28	0
KL-4	491	491.5	0	0	0	0	0
KL-4	491.5	492	0	0	0	0	0
KL-4	492	492.5	0	0	0	0	0
KL-4	492.5	493	0	0	0	0	0
KL-4	493	493.5	0	0	0	0	0
KL-4	493.5	494	0	0	0	2339.58	0
KL-4	494	494.5	0	0	0	0	0
KL-4	494.5	495	0	0	0	0	0
KL-4	495	495.5	0	0	0	0	0
KL-4	495.5	496	0	0	0	0	0
KL-4	496	496.5	0	0	0	0	0
KL-4	496.5	497	0	0	0	2338.57	936
KL-4	497	497.5	0	0	0	0	0
KL-4	497.5	498	0	0	0	0	0
KL-4	498	498.5	0	0	0	0	0
KL-4	498.5	499	0	0	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
KL-4	482.5	483	0	0	0	0	0
KL-4	483	483.5	0	0	0	0	0
KL-4	483.5	484	0	0	0	0	0
KL-4	484	484.5	0.99592	0	0	0	0
KL-4	484.5	485	0	0	0	0	0
KL-4	485	485.5	0	0	0	0	0
KL-4	485.5	486	0	0	0	0	0
KL-4	486	486.5	0	0	0	0	0
KL-4	486.5	487	0	0	0	0	0
KL-4	487	487.5	0	0	0	0	0
KL-4	487.5	488	0	0	0	0	0
KL-4	488	488.5	0	0	0	0	0
KL-4	488.5	489	0	0	0	0	0
KL-4	489	489.5	0	0	0	0	0
KL-4	489.5	490	0	0	0	0	0
KL-4	490	490.5	0	0	0	0	0
KL-4	490.5	491	0	0.44	2206.13	0	0
KL-4	491	491.5	0	0	0	0	0
KL-4	491.5	492	0	0	0	0	0
KL-4	492	492.5	0	0	0	0	0
KL-4	492.5	493	0	0	0	0	0
KL-4	493	493.5	0	0	0	0	0
KL-4	493.5	494	1.00672	0	0	0	0
KL-4	494	494.5	0	0	0	0	0
KL-4	494.5	495	0	0	0	0	0
KL-4	495	495.5	0	0	0	0	0
KL-4	495.5	496	0	0	0	0	0
KL-4	496	496.5	0	0	0	0	0
KL-4	496.5	497	0	0	0	0	0
KL-4	497	497.5	0	0	0	0	0
KL-4	497.5	498	0	0	0	0	0
KL-4	498	498.5	0	0	0	0	0
KL-4	498.5	499	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
KL-4	482.5	483	0	0	0	0	0	0
KL-4	483	483.5	0	0	0	0	0	0
KL-4	483.5	484	0	0	0	0	0	0
KL-4	484	484.5	0	0	0	0	0	0
KL-4	484.5	485	0	0	0	0	0	0
KL-4	485	485.5	0	0	0	0	0	0
KL-4	485.5	486	0	0	0	0	0	0
KL-4	486	486.5	0	0	0	0	0	0
KL-4	486.5	487	0	0	0	0	0	0
KL-4	487	487.5	0	0	0	0	0	0
KL-4	487.5	488	0	0	0	0	0	0
KL-4	488	488.5	0	0	0	0	0	0
KL-4	488.5	489	0	0	0	0	0	0
KL-4	489	489.5	0	0	0	0	0	0
KL-4	489.5	490	0	0	0	0	0	0
KL-4	490	490.5	0	0	0	0	0	0
KL-4	490.5	491	84.62	7.69	7.69	0	0	0
KL-4	491	491.5	0	0	0	0	0	0
KL-4	491.5	492	0	0	0	0	0	0
KL-4	492	492.5	0	0	0	0	0	0
KL-4	492.5	493	0	0	0	0	0	0
KL-4	493	493.5	0	0	0	0	0	0
KL-4	493.5	494	0	0	0	0	0	0
KL-4	494	494.5	0	0	0	0	0	0
KL-4	494.5	495	0	0	0	0	0	0
KL-4	495	495.5	0	0	0	0	0	0
KL-4	495.5	496	0	0	0	0	0	0
KL-4	496	496.5	0	0	0	0	0	0
KL-4	496.5	497	0	0	0	2261.07	0	0
KL-4	497	497.5	0	0	0	0	0	0
KL-4	497.5	498	0	0	0	0	0	0
KL-4	498	498.5	0	0	0	0	0	0
KL-4	498.5	499	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
KL-4	482.5	483	0	0
KL-4	483	483.5	0	0
KL-4	483.5	484	0	0
KL-4	484	484.5	0	0
KL-4	484.5	485	0	0
KL-4	485	485.5	0	0
KL-4	485.5	486	0	0
KL-4	486	486.5	0	0
KL-4	486.5	487	0	0
KL-4	487	487.5	0	0
KL-4	487.5	488	0	0
KL-4	488	488.5	0	0
KL-4	488.5	489	0	0
KL-4	489	489.5	0	0
KL-4	489.5	490	0	0
KL-4	490	490.5	0	0
KL-4	490.5	491	0	0
KL-4	491	491.5	0	0
KL-4	491.5	492	0	0
KL-4	492	492.5	0	0
KL-4	492.5	493	0	0
KL-4	493	493.5	0	0
KL-4	493.5	494	0	0
KL-4	494	494.5	0	0
KL-4	494.5	495	0	0
KL-4	495	495.5	0	0
KL-4	495.5	496	0	0
KL-4	496	496.5	0	0
KL-4	496.5	497	0	100
KL-4	497	497.5	0	0
KL-4	497.5	498	0	0
KL-4	498	498.5	0	0
KL-4	498.5	499	0	0

hole_id	depth_from	depth_to	total_pixels	unclassified_pixels	aspectral_pxa	carbonate_pxa	carbonate_fe_pxa	chert_pxa	chlorite_pxa
KL-4	499	499.5	11096	0.19	22.8	0	0	65.37	0

hole_id	depth_from	depth_to	goethite_pxa	hematite_pxa	gypsum_pxa	kaolinite_pxa	montmorillonite_pxa	hydrous_silica_quartz_pxa
KL-4	499	499.5	0	0	0	0	0	0

hole_id	depth_from	depth_to	sediment_1_pxa	sediment_2_pxa	sediment_3_pxa	sediment_4_pxa	sulphide_1_pxa	sulphide_2_pxa
KL-4	499	499.5	0	0.49	22.8	0.03	0	0

hole_id	depth_from	depth_to	sulphide_3_pxa	white_mica_pxa	white_mica_nh4_pxa	carbonate_all_2340L	iron_oxide_900L
KL-4	499	499.5	0	0	0	0	0

hole_id	depth_from	depth_to	kaolinite_2184X	white_mica_all_2200X	white_mica_all_2200L	paragonite_pct	paragonite_muscovite_pct
KL-4	499	499.5	0	0	0	0	0

hole_id	depth_from	depth_to	muscovite_pct	muscovite_phengite_pct	phengite_pct	chlorite_2250L	chlorite_mg_pct	chlorite_mgfe_pct
KL-4	499	499.5	0	0	0	0	0	0

hole_id	depth_from	depth_to	chlorite_femg_pct	chlorite_fe_pct
KL-4	499	499.5	0	0