Table S1(a). Mineralogical composition of suspended sedimentary material at Point I. XRD diffractometry.

Month / Year	Qz	Pl	K-Fsp	Amp	Px	Ep	Cal	Dol	Srp	Sme 12 Å	Sme 14 Å	Ilt, Mica	Kln	Chl	Gp	Hl	Sum of clay minerals	Sum of clastic minerals	Qz / (Pl+K-Fsp)	Cry	Si	Al
	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)		(%)	(%)	(%)
April 2016	25	15	9	10	3	n.d.	5	3	11	n.d.	n.d.	6	3	10	n.d.	n.d.	19	62	1.04	60	28.25	8.31
April 2017	29	9	11	5	2	n.d.	n.d.	4	n.d.	14	n.d.	12	6	7	n.d.	n.d.	39	56	1.45	46	31.58	9.45
May 2017	36	12	9	5	3	n.d.	n.d.	3	n.d.	10	n.d.	9	5	8	n.d.	n.d.	32	65	1.71	67	43.53	15.32
May 2019	39	13	8	3	2	n.d.	n.d.	6	n.d.	9	n.d.	7	4	8	n.d.	n.d.	28	65	1.86	68	26.28	7.75
June 2021	24	19	8	10	3	n.d.	4	3	11	n.d.	n.d.	6	3	9	n.d.	n.d.	18	64	0.89	60	19.97	4.72
June 2018	38	13	9	4	3	n.d.	n.d.	3	n.d.	9	n.d.	12	4	5	n.d.	n.d.	30	67	1.73	67	28.51	9.5
August 2016	24	16	10	6	3	n.d.	n.d.	5	n.d.	8	n.d.	14	6	8	n.d.	n.d.	36	59	0.92	52	26.68	6.63
August 2018	34	15	10	5	3	3	n.d.	4	n.d.	6	n.d.	10	4	5	n.d.	n.d.	25	70	1.36	57	26.03	6.14
September 2017	31	17	8	5	2	7	2	4	n.d.	3	n.d.	13	3	5	n.d.	n.d.	24	70	1.24	40	44.56	9.99
September 2018	24	11	8	9	2	7	n.d.	4	6	6	n.d.	12	5	6	n.d.	n.d.	29	61	1.26	55	13.38	4.42
October 2016	34	14	9	8	3	t.a.	n.d.	4	n.d.	8	n.d.	9	4	7	n.d.	n.d.	28	68	1.48	57	32.44	9.89
October 2018	31	18	9	6	2	t.a.	n.d.	4	5	6	n.d.	9	3	6	n.d.	n.d.	24	66	1.15	52	25.69	7.1

Notation: Qz – quartz, Pl – plagioclase, K-Fsp – K-feldspar, Amp – amphibole, Px – pyroxene, Ep – epidote, Cal – calcite, Dol – dolomite, Srp – serpentine, Sme 12 Å - smectite-12 Å, Sme 14 Å – smectite 14 Å, Ilt, Mica – illite, mica, Kln – kaolinite, Chl – chlorite, Gp – gypsum, Hl – halite, Cry – crystallinity, t.a. – trace amounts, n.d. – not detected.

Table S1(b). Mineralogical composition of suspended sedimentary material at Point II. (Ekonomiya). XRD diffractometry.

Month / Year	Qz	Pl	K-Fsp	Amp	Px	Ep	Cal	Dol	Srp	Sme 12 Å	Sme 14 Å	Ilt, Mica	Kln	Chl	Gp	Hl	Sum of clay minerals	Sum of clastic minerals	Qz / (Pl+K-Fsp)	Cry	Si	Al
	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)		(%)	(%)	(%)
September 2015	28	14	10	4	2	n.d.	n.d.	5	n.d.	14	n.d.	13	3	7	n.d.	n.d.	37	58	1.17	55	25.95	7.92
October 2015	32	15	10	3	2	n.d.	n.d.	4	n.d.	11	n.d.	13	3	6	n.d.	n.d.	33	62	1.28	67	19.03	5.14
November 2015	30	14	11	4	3	n.d.	n.d.	4	n.d.	11	n.d.	14	3	6	n.d.	n.d.	34	62	1.2	64	33.89	10.41
December 2015	37	13	10	4	2	n.d.	n.d.	4	n.d.	12	n.d.	10	3	5	n.d.	n.d.	30	66	1.61	57	28.77	8.75
January 2016	34	9	10	6	3	n.d.	n.d.	4	n.d.	10	n.d.	12	4	8	n.d.	n.d.	34	62	1.79	50	18.86	7.12
February 2016	33	14	7	6	2	n.d.	n.d.	5	n.d.	11	n.d.	10	4	8	n.d.	n.d.	33	62	1.57	66	26.72	8.99
March 2016	30	12	10	5	2	n.d.	n.d.	4	n.d.	4	n.d.	10	4	7	2	10	25	59	1.36	61	27.1	8.94
April 2016	38	12	10	3	2	n.d.	n.d.	5	n.d.	11	n.d.	11	3	5	n.d.	n.d.	30	65	1.72	73	31.84	8.66
May 2017	35	17	7	2	3	n.d.	n.d.	3	n.d.	n.d.	11	11	4	7	n.d.	n.d.	33	64	1.46	66	28.13	10.5
June 2017	33	15	10	4	3	n.d.	n.d.	3	n.d.	n.d.	10	12	4	6	n.d.	n.d.	32	65	1.32	63	43.19	14.99
July 2017	36	15	9	3	3	n.d.	n.d.	4	n.d.	n.d.	12	12	2	4	n.d.	n.d.	30	66	1.46	61	28.6	9.75
August 2017	27	15	11	4	2	n.d.	n.d.	4	n.d.	15	n.d.	12	3	6	n.d.	n.d.	36	59	1.04	43	40.38	9.96
September 2017	33	12	9	5	2	n.d.	n.d.	4	n.d.	12	n.d.	13	4	6	n.d.	n.d.	35	61	1.57	58	30.3	8.36
October 2017	40	14	9	4	2	n.d.	n.d.	3	n.d.	n.d.	7	12	3	6	n.d.	n.d.	28	69	1.74	68	27.44	8.24
November 2017	34	10	8	4	2	n.d.	1	4	n.d.	14	n.d.	12	4	7	n.d.	n.d.	37	58	1.89	60	22.58	8.4
December 2017	31	9	7	3	4	n.d.	n.d.	3	n.d.	11	n.d.	11	3	4	2	12	29	54	1.94	62	19.16	6.03
January 2018	33	15	9	4	3	n.d.	n.d.	4	n.d.	13	n.d.	11	3	5	n.d.	n.d.	32	64	1.38	52	27.14	9.12
February 2018	35	13	7	4	2	n.d.	n.d.	4	n.d.	15	n.d.	11	3	6	n.d.	n.d.	35	61	1.75	55	25.86	10.45
March 2018	27	14	10	4	3	n.d.	n.d.	5	n.d.	14	n.d.	12	4	7	n.d.	n.d.	37	58	1.13	61	22.54	8.12
April 2018	31	15	9	3	3	n.d.	n.d.	5	n.d.	14	n.d.	11	3	5	n.d.	n.d.	33	61	1.29	64	22.19	6.87
May 2018	31	14	9	3	2	n.d.	n.d.	3	n.d.	15	n.d.	11	5	7	n.d.	n.d.	38	59	1.35	62	35.21	14.88
June 2018	35	14	10	2	2	n.d.	n.d.	4	n.d.	n.d.	9	13	4	7	n.d.	n.d.	33	63	1.46	66	25.39	8.05
July 2018	34	14	8	4	2	n.d.	n.d.	3	n.d.	15	n.d.	12	3	5	n.d.	n.d.	35	62	1.55	54	31.92	9.54
August 2018	35	10	10	5	2	n.d.	n.d.	4	n.d.	11	n.d.	12	4	7	n.d.	n.d.	34	62	1.75	57	23.77	6.77
September 2018	32	15	8	4	2	n.d.	n.d.	4	n.d.	14	n.d.	12	4	5	n.d.	n.d.	35	61	1.39	56	33.89	10.54
October 2018	32	12	11	4	2	n.d.	n.d.	4	n.d.	13	n.d.	12	5	5	n.d.	n.d.	35	61	1.39	52	23.3	7.4

November 2018	39	11	8	4	4	n.d.	n.d.	2	n.d.	13	n.d.	11	3	5	n.d.	n.d.	32	66	2.05	65	27.66	10.41
December 2018	35	10	8	3	2	n.d.	n.d.	4	n.d.	17	n.d.	12	3	5	n.d.	n.d.	37	58	1.94	62	25.95	8.26
January 2019	27	12	10	5	3	n.d.	n.d.	4	n.d.	15	n.d.	14	4	6	n.d.	n.d.	39	57	1.23	57	37.56	14.41
February 2019	29	12	9	3	2	n.d.	n.d.	3	n.d.	12	n.d.	11	4	6	1	8	33	55	1.38	58	22.92	7.17
March 2019	32	13	10	4	2	n.d.	n.d.	5	n.d.	11	n.d.	13	3	7	n.d.	n.d.	34	61	1.43	57	-	-
April 2019	37	11	10	4	2	n.d.	n.d.	4	n.d.	14	n.d.	10	3	5	n.d.	n.d.	32	64	1.76	59	39.61	13.55

Notation: Qz – quartz, Pl – plagioclase, K-Fsp – K-feldspar, Amp – amphibole, Px – pyroxene, Ep – epidote, Cal – calcite, Dol – dolomite, Srp – serpentine, Sme 12 Å - smectite-12 Å, Sme 14 Å – smectite 14 Å, Ilt, Mica – illite, mica, Kln – kaolinite, Chl – chlorite, Gp – gypsum, Hl – halite, Cry – crystallinity, n.d. – not detected.

Table S2. Grain-size fractions at Point I and Point II.

Point I								
Month / Year	**1-0.5 mm**	**0.5-0.25 mm**	**0.25-0.1 mm**	**0.1-0.05 mm**	**0.05-0.01 mm**	**0.01-0.005 mm**	**0.005-0.001 mm**	**<0.001 mm**
	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
April 2016, 2017	0.89	1.79	2.68	3.57	0.89	17.86	32.14	40.18
May 2017	0.85	0.85	0.85	0.85	12.82	24.79	23.08	35.91
May 2019	0.87	1.74	3.48	2.61	0.87	24.35	26.08	40.00
June 2018	0.99	0.99	0.99	0.99	1.98	24.75	20.79	48.52
June 2021	0.89	0.89	0.89	0.89	1.77	29.20	26.55	38.92
August 2016,2018	2.56	2.56	3.42	2.56	0.85	15.38	28.21	44.46
September 2017, 2018	26.95	5.22	4.35	2.61	0.87	13.91	21.74	24.35
October 2016, 2018	4.71	2.35	4.71	3.52	1.18	20.00	28.24	35.29
Point II								
Month / Year	**1-0.5 mm**	**0.5-0.25 mm**	**0.25-0,1 mm**	**0.1-0.05 mm**	**0.05-0.01 mm**	**0.01-0.005 mm**	**0.005-0.001 mm**	**<0,001 mm**
	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
January 2017	n.d.	n.d.	n.d.	2.63	2.37	28.95	26.32	39.74
February 2016	n.d.	n.d.	n.d.	2.11	0.95	32.63	28.42	35.89
March 2016	n.d.	n.d.	n.d.	2.35	1.17	21.17	15.29	60.00
March 2019	n.d.	n.d.	n.d.	0.35	0.69	48.32	23.17	27.47
April 2016	n.d.	n.d.	n.d.	5.41	4.37	43.54	21.67	25.00
April 2017	n.d.	n.d.	n.d.	5.34	3.05	41.91	21.30	28.40
May 2017	n.d.	n.d.	n.d.	1.72	0.86	40.52	25.50	31.89
June 2017	n.d.	n.d.	n.d.	1.03	0.93	30.93	34.02	33.09
July 2017	n.d.	n.d.	n.d.	1.10	1.30	22.50	35.10	40.00
August 2017	n.d.	n.d.	n.d.	1.25	1.13	37.50	27.50	36.62
September 2017	n.d.	n.d.	n.d.	2.20	1.10	38.46	29.67	28.57
October 2017	n.d.	n.d.	n.d.	2.97	1.98	44.55	23.77	27.72
November 2017	n.d.	n.d.	n.d.	2.67	1.33	33.20	28.00	34.80
December 2016	n.d.	n.d.	n.d.	5.40	2.70	32.43	24.32	35.14

Table S3(a). Mineralogy of SPM grain-size fractions at Point I.

Month Year and Fraction	Qz	Pl	K-Fsp	Amp	Px	Ms	Mca	Sme 14 Å	Sme 12 Å	Ilt	Kln	Chl	Atg	Cal	Arg	Dol	Gp	Ant	Sum of clastic minerals	Sum of clay minerals	Qz / (Pl+K-Fsp)	Cry
	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)		(%)
April 2016, 2017																						
1.0-0.5 mm	24	9	9	3	n.d.	n.d.	12	5	n.d.	7	5	6	11	n.d.	n.d.	9	n.d.	n.d.	57	23	1.3	73
0.5-0.25 mm	23	14	10	5	n.d.	n.d.	16	n.d.	n.d.	3	4	7	16	n.d.	n.d.	2	n.d.	n.d.	68	14	1.0	82
0.25-0.1 mm	34	14	8	4	1	n.d.	6	5	n.d.	6	2	4	12	n.d.	n.d.	4	n.d.	n.d.	67	17	1.6	77
0.1-0.05 mm	39	19	8	2	n.d.	n.d.	13	3	n.d.	4	2	2	5	n.d.	2	1	n.d.	n.d.	81	11	1.4	81
0.05-0.01 mm	48	17	10	2	2	n.d.	n.d.	2	n.d.	3	1	4	7	n.d.	n.d.	4	n.d.	n.d.	79	10	1.8	79
0.01-0.005 mm	32	14	10	8	2	n.d.	n.d.	4	n.d.	8	2	6	9	n.d.	n.d.	4	n.d.	n.d.	66	20	1.3	60
0.005-0.001 mm	25	15	9	7	3	n.d.	n.d.	5	n.d.	9	3	6	14	n.d.	n.d.	4	n.d.	n.d.	59	23	1.0	52
<0.001 mm	30	15	8	3	4	n.d.	n.d.	7	n.d.	12	3	5	8	n.d.	n.d.	5	n.d.	n.d.	60	27	1.3	54
May 2017																						
1.0-0.5 mm	33	8	7	7	1	n.d.	5	15	n.d.	8	6	9	n.d.	n.d.	n.d.	t.a.	n.d.	n.d.	61	38	2.2	77
0.5-0.25 mm	33	9	10	4	2	n.d.	9	12	n.d.	8	5	8	n.d.	n.d.	n.d.	t.a.	n.d.	n.d.	67	33	1.7	77
0.25-0.1 mm	33	12	13	4	n.d.	n.d.	12	6	n.d.	4	4	8	3	n.d.	n.d.	t.a.	n.d.	n.d.	74	22	1.3	83
0.1-0.05 mm	37	7	12	5	n.d.	n.d.	7	6	n.d.	4	4	7	7	n.d.	n.d.	t.a.	n.d.	n.d.	68	21	2.0	76
0.05-0.01 mm	41	16	9	4	2	n.d.	n.d.	3	n.d.	9	5	7	n.d.	n.d.	n.d.	3	n.d.	1	72	24	1.6	62
0.01-0.005 mm	39	13	9	3	3	n.d.	n.d.	7	n.d.	10	5	8	n.d.	n.d.	n.d.	3	n.d.	n.d.	67	30	1.8	n.d.
0.005-0.001 mm	39	13	9	4	2	n.d.	n.d.	10	n.d.	11	3	6	n.d.	n.d.	n.d.	3	n.d.	n.d.	67	30	1.8	68
<0.001 mm	35	13	10	5	2	n.d.	n.d.	10	n.d.	9	5	7	n.d.	n.d.	n.d.	2	n.d.	2	65	31	1.5	67
June 2021																						
1.0-0.5 mm	12	11	6	7	2	n.d.	11	8	n.d.	6	4	11	18	n.d.	n.d.	4	n.d.	n.d.	49	29	0.7	77
0.5-0.25 mm	19	8	8	11	3	n.d.	10	7	n.d.	3	3	9	16	n.d.	n.d.	3	n.d.	n.d.	59	22	1.2	79
0.25-0.1 mm	26	11	5	4	2	n.d.	13	4	n.d.	2	2	9	19	n.d.	n.d.	2	n.d.	n.d.	61	17	1.6	78
0.1-0.05 mm	28	11	10	6	1	n.d.	n.d.	7	n.d.	5	3	9	15	n.d.	n.d.	4	n.d.	n.d.	56	24	1.3	79
0.05-0.01 mm	30	15	10	4	2	n.d.	n.d.	6	n.d.	5	3	8	13	n.d.	n.d.	4	n.d.	n.d.	61	22	1.2	74
0.01-0.005 mm	22	16	6	8	2	n.d.	n.d.	6	n.d.	4	3	12	17	n.d.	n.d.	3	n.d.	n.d.	54	25	1.0	61
0.005-0.001 mm	26	18	7	6	4	n.d.	n.d.	4	n.d.	5	1	8	17	n.d.	n.d.	4	n.d.	n.d.	61	18	1.0	60
<0.001 mm	16	18	8	7	4	n.d.	n.d.	2	n.d.	8	2	9	19	3	n.d.	4	n.d.	n.d.	53	21	0.6	50
August 2016, 2018																						
1.0-0.5 mm	27	13	7	5	1	n.d.	n.d.	10	n.d.	11	4	7	10	n.d.	n.d.	5	n.d.	n.d.	53	32	1.4	68

0.5-0.25 mm	27	10	9	5	2	n.d.	n.d.	12	n.d.	10	3	7	8	3	n.d.	4	n.d.	n.d.	53	32	1.4	70
0.25-0.1 mm	32	12	11	4	2	n.d.	n.d.	13	n.d.	9	5	7	n.d.	n.d.	n.d.	5	n.d.	n.d.	61	34	1.4	69
0.1-0.05 mm	31	14	12	5	n.d.	n.d.	n.d.	4	n.d.	8	3	10	9	n.d.	n.d.	4	n.d.	n.d.	62	25	1.2	n.d.
0.05-0.01 mm	54	13	9	6	1	n.d.	4	2	n.d.	2	1	2	2	n.d.	n.d.	4	n.d.	n.d.	87	7	2.5	83
0.01-0.005 mm	35	13	10	6	3	n.d.	n.d.	7	n.d.	9	3	8	n.d.	n.d.	n.d.	6	n.d.	n.d.	67	27	1.5	60
0.005-0.001 mm	27	13	10	5	4	n.d.	n.d.	8	n.d.	12	4	11	n.d.	n.d.	n.d.	6	n.d.	n.d.	59	35	1.2	55
<0.001 mm	18	11	9	n.d.	n.d.	n.d.	n.d.	26	n.d.	10	10	10	n.d.	n.d.	n.d.	6	n.d.	n.d.	38	56	0.9	50
September 2017, 2018																						
1.0-0.5 mm	49	6	6	4	2	n.d.	n.d.	4	n.d.	5	2	5	9	4	n.d.	4	n.d.	n.d.	67	16	4.1	61
0.5-0.25 mm	39	12	10	3	2	n.d.	n.d.	5	n.d.	9	2	4	8	2	n.d.	4	n.d.	n.d.	66	20	1.8	53
0.25-0.1 mm	39	11	6	6	2	n.d.	n.d.	4	n.d.	8	1	6	10	2	n.d.	5	n.d.	n.d.	64	19	2.3	55
0.1-0.05 mm	39	13	8	4	2	n.d.	n.d.	5	n.d.	7	4	6	6	n.d.	n.d.	5	n.d.	n.d.	66	22	1.9	65
0.05-0.01 mm	30	23	11	9	1	n.d.	n.d.	3	n.d.	4	2	4	5	n.d.	n.d.	8	n.d.	n.d.	74	13	0.9	74
0.01-0.005 mm	26	26	10	9	4	n.d.	n.d.	4	n.d.	12	n.d.	5	7	2	n.d.	5	n.d.	n.d.	65	21	1.0	50
0.005-0.001 mm	29	17	9	4	2	n.d.	n.d.	5	n.d.	9	n.d.	6	12	3	n.d.	4	n.d.	n.d.	61	20	1.1	48
<0.001 mm	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
October 2016, 2018																						
1.0-0.5 mm	35	14	8	4	3	n.d.	n.d.	6	n.d.	10	3	6	6	n.d.	n.d.	5	n.d.	n.d.	64	25	1.6	51
0.5-0.25 mm	30	11	10	3	2	n.d.	n.d.	10	n.d.	7	5	8	9	n.d.	n.d.	5	n.d.	n.d.	56	30	1.4	72
0.25-0.1 mm	27	12	9	3	3	n.d.	3	7	n.d.	7	5	9	9	n.d.	n.d.	6	n.d.	n.d.	57	28	1.3	71
0.1-0.05 mm	25	16	11	4	n.d.	n.d.	n.d.	7	n.d.	9	4	8	11	n.d.	n.d.	5	n.d.	n.d.	56	28	0.9	74
0.05-0.01 mm	44	15	11	3	1	n.d.	n.d.	3	n.d.	4	1	2	4	n.d.	n.d.	12	n.d.	n.d.	74	10	1.7	78
0.01-0.005 mm	29	14	9	6	2	n.d.	n.d.	7	n.d.	8	5	8	8	n.d.	n.d.	4	n.d.	n.d.	60	28	1.3	64
0.005-0.001 mm	32	15	8	5	3	n.d.	n.d.	7	n.d.	9	3	8	6	n.d.	n.d.	4	n.d.	n.d.	63	27	1.4	65
<0.001 mm	32	18	10	5	2	n.d.	n.d.	4	n.d.	10	3	4	7	n.d.	n.d.	5	n.d.	n.d.	67	21	1.1	54

Notation: Qz – quartz, Pl – plagioclase, K-Fsp – K-feldspar, Amp – amphibole, Px – pyroxene, Ep – epidote, Cal – calcite, Dol – dolomite, Srp – serpentine, Sme 12 Å - smectite-12 Å, Sme 14 Å – smectite 14 Å, Ilt - illite, Mca – mica, Kln – kaolinite, Chl – chlorite, Gp – gypsum, Arg – aragonite, Hl – halite, Atg – antigorite, Ms – muscovite, Ant – anatase, Cry – crystallinity, t.a. – trace amounts, n.d. – not detected

Table S3(b). Mineralogy of SPM grain-size fractions at Point II.

Month Year and Fraction	Qz	Pl	K-Fsp	Amp	Px	Ms	Mca	Sme 14 Å	Sme 12 Å	Ilt	Kln	Chl	Atg	Cal	Dol	Gp	Hl	Sum of clastic minerals	Sum of clay minerals	Qz / (Pl+K-Fsp)	Cry
	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)		(%)
February 2016																					
0.1-0.05 mm	41	14	7	7	2	4	n.d.	7	n.d.	5	3	5	4	n.d.	1	n.d.	n.d.	75	20	1.9	76
0.05-0.01 mm	54	7	9	12	1	n.d.	n.d.	n.d.	2	7	2	3	2	n.d.	n.d.	n.d.	n.d.	83	14	3.4	80
0.01-0.005 mm	34	14	10	5	3	n.d.	n.d.	11	n.d.	10	6	7	n.d.	n.d.	n.d.	n.d.	n.d.	66	34	1.4	63
0.005-0.001 mm	33	9	7	1	1	n.d.	n.d.	21	n.d.	13	5	10	n.d.	n.d.	n.d.	n.d.	n.d.	51	49	2.0	59
<0.001 mm	24	9	8	5	2	n.d.	n.d.	23	n.d.	10	9	10	n.d.	n.d.	n.d.	n.d.	n.d.	48	52	1.4	46
March 2017																					
0.1-0.05 mm	30	13	8	6	5	n.d.	n.d.	7	n.d.	8	7	6	4	4	2	n.d.	n.d.	62	28	1.4	69
0.05-0.01 mm	42	10	4	15	2	n.d.	n.d.	6	n.d.	8	3	3	6	n.d.	n.d.	n.d.	n.d.	73	20	3.0	82
0.01-0.005 mm	32	12	10	5	4	n.d.	n.d.	8	n.d.	14	6	8	n.d.	n.d.	n.d.	n.d.	n.d.	63	36	1.5	51
0.005-0.001 mm	31	11	10	6	2	n.d.	n.d.	15	n.d.	15	4	6	n.d.	n.d.	n.d.	n.d.	n.d.	60	40	1.5	39
<0.001 mm	38	9	7	7	n.d.	n.d.	n.d.	n.d.	8	12	8	8	2	n.d.	n.d.	n.d.	n.d.	61	36	2.4	64
March 2019																					
0.1-0.05 mm	34	13	8	5	n.d.	n.d.	6	t.a.	n.d.	5	t.a.	22	t.a.	5	2	n.d.	n.d.	66	27	1.6	81
0.05-0.01 mm	32	11	13	2	2	n.d.	19	6	n.d.	9	1	5	n.d.	n.d.	n.d.	n.d.	n.d.	79	21	1.3	78
0.01-0.005 mm	41	15	11	4	4	n.d.	n.d.	5	n.d.	12	3	5	n.d.	n.d.	n.d.	n.d.	n.d.	75	25	1.6	58
0.005-0.001 mm	35	11	8	4	4	n.d.	n.d.	5	n.d.	11	3	7	7	n.d.	5	n.d.	n.d.	62	26	1.8	53
<0.001 mm	41	15	11	4	4	n.d.	n.d.	5	n.d.	12	3	5	t.a.	n.d.	t.a.	n.d.	n.d.	75	25	1.6	58
April 2017																					
0.1-0.05 mm	66	8	6	3	1	2	n.d.	1	1	7	2	3	n.d.	n.d.	n.d.	n.d.	n.d.	86	14	4.7	80
0.05-0.01 mm	59	11	11	6	3	n.d.	n.d.	4	n.d.	2	2	2	n.d.	n.d.	n.d.	n.d.	n.d.	90	10	2.7	82

0.01-0.005 mm	23	22	11	5	3	n.d.	n.d.	10	n.d.	14	4	7	n.d.	n.d.	n.d.	n.d.	n.d.	64	35	0.7	70
0.005-0.001 mm	28	10	8	3	3	n.d.	n.d.	21	n.d.	15	5	7	n.d.	n.d.	n.d.	n.d.	n.d.	52	48	1.6	58
<0.001 mm	24	8	8	3	2	n.d.	n.d.	30	n.d.	12	7	6	n.d.	n.d.	n.d.	n.d.	n.d.	45	55	1.5	64
August 2017																					
0.1-0.05 mm	56	9	9	4		2	n.d.	9	n.d.	4	2	5	n.d.		n.d.		n.d.	80	20	3.1	65
0.05-0.01 mm	72	8	9	3	1	n.d.	n.d.	n.d.	n.d.	2	1	2	1		1		0.4	93	5	4.2	81
0.01-0.005 mm	35	14	9	6	2	n.d.	n.d.	14	n.d.	11	3	5	n.d.	n.d.	n.d.	n.d.	n.d.	66	33	1.5	51
0.005-0.001 mm	35	12	7	5	2	n.d.	n.d.	11	n.d.	12	8	8	n.d.	n.d.	n.d.	n.d.	n.d.	61	39	1.8	37
<0.001 mm	24	9	12	13	n.d.	n.d.	n.d.	7	7	12	7	9	n.d.	n.d.	n.d.	n.d.	n.d.	58	42	1.1	60
October 2017																					
0.1-0.05 mm	60	8	9	3	1	2	n.d.	7	n.d.	3	2	3	n.d.	n.d.	1	1	n.d.	83	15	3.5	78
0.05-0.01 mm	64	8	9	6	1	n.d.	n.d.	3	n.d.	6	1	2	n.d.	n.d.	n.d.	n.d.	n.d.	88	12	3.8	83
0.01-0.005 mm	28	14	11	5	3	n.d.	n.d.	13	n.d.	15	5	6	n.d.	n.d.	n.d.	n.d.	n.d.	61	39	1.1	67
0.005-0.001 mm	29	14	7	2	2	n.d.	n.d.	13	n.d.	14	9	10	n.d.	n.d.	n.d.	n.d.	n.d.	54	46	1.4	68
<0.001 mm	30	8	4	6	1	n.d.	n.d.	23	n.d.	8	11	9	n.d.	n.d.	n.d.	n.d.	n.d.	49	51	2.5	73
December 2016																					
0.1-0.05 mm	35	7	5	5	2	n.d.	n.d.	12	9	13	5	7	n.d.	2	1	n.d.	n.d.	54	46	2.9	75
0.05-0.01 mm	51	6	6	19	1	1	n.d.	n.d.	n.d.	8	2	3	n.d.	n.d.	n.d.	n.d.	n.d.	84	13	4.3	76
0.01-0.005 mm	38	12	10	5	2	n.d.	n.d.	10	n.d.	12	2	9	n.d.	n.d.	n.d.	n.d.	n.d.	67	33	1.7	69
0.005-0.001 mm	34	17	7	4	2	n.d.	n.d.	9	n.d.	11	7	9	n.d.	n.d.	n.d.	n.d.	n.d.	64	36	1.4	71
<0.001 mm	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.

Notation: Qz – quartz, Pl – plagioclase, K-Fsp – K-feldspar, Amp – amphibole, Px – pyroxene, Ep – epidote, Cal – calcite, Dol – dolomite, Srp – serpentine, Sme 14 Å - smectite-14 Å, Sme 12 Å – smectite 12 Å, Ilt - illite, Mca – mica, Kln – kaolinite, Chl – chlorite, Gp – gypsum, Hl – halite, Atg – antigorite, Ms – muscovite, Cry – crystallinity, t.a. – trace amount, n.d. – not detected.