

# Mineralogy and Geochemistry of Seabed Sediments of the Chiloé–Taitao Area, Southern Chile, and Implications for Ore Deposits

**Table S1.** Geochemical results. Abbreviations: S = Sample, D = Duplicate, R = Repetition, A.S: Analyzed Standard, R.S: Reported Standard.

Sample	Type	Mo [ppm]	Cu [ppm]	Pb [ppm]	Zn [ppm]	Ni [ppm]	Co [ppm]	Mn [ppm]	Fe [wt.%]	As [ppm]	U [ppm]	Th [ppm]	Sr [ppm]	Sb [ppm]
1	S	1.1	51.9	14.1	135	30.7	18	699	7.03	17	4.1	5.7	353	0.9
2	S	1.2	47.6	13.3	111	29.7	17	678	6.98	18	3.4	4	350	1
2	D	1.2	52.1	13.9	126	42	14	662	4.87	7	2.5	5	324	0.6
2	R	1.1	50	13.6	111	31.6	16	693	6.97	16	3.5	4.1	351	1.1
3	S	0.7	17.9	10.7	66	33.5	14	669	5.56	10	1.8	6.1	269	0.5
4	S	0.7	19.1	9.5	56	27.5	13	691	4.2	9	1.8	4.4	331	<0.5
4	D	0.7	21.6	9.1	71	26.4	15	719	4.28	7	1.6	4.4	328	<0.5
5	S	<0.5	13.6	12.4	60	18.6	13	707	5.05	6	1.2	5	320	0.7
6	S	1.5	34.5	11.5	99	28.9	14	693	4.38	<5	2	7.3	336	0.6
7	S	1.7	44.2	12.9	99	33.2	14	717	4.38	6	2	5.3	345	0.5
8	S	0.8	42	12.1	90	27.9	15	787	4.46	9	1.9	5.1	351	<0.5
9	S	0.7	40.1	11.7	87	27.3	14	815	4.6	<5	1.8	5.4	341	<0.5
9	D	1	40.1	11.5	97	28.1	14	823	4.84	6	1.8	5.5	357	<0.5
10	S	0.7	29.2	10.2	62	18.5	11	671	4.1	<5	1.2	5.4	306	<0.5
11	S	1.1	48.5	10.6	81	27.2	14	714	4.29	6	1.5	5.4	332	<0.5
12	S	0.5	7.6	9.9	49	12.6	7	507	3.12	5	1	4.7	274	<0.5
12	R	0.6	7.7	10.2	50	11.9	7	501	3.08	7	1.1	5.2	270	<0.5
13	S	<0.5	18.5	10.1	52	13	12	742	5.2	8	0.8	3.5	330	<0.5
13	D	<0.5	15.9	10.3	56	12.7	13	775	5.4	9	1.2	5.2	328	<0.5
14	S	2.4	39.3	11.2	138	32.4	14	678	4.7	12	2.5	4.6	301	<0.5
15	S	1	25.4	9.7	73	40.1	25	1112	6.05	7	1	3.8	574	<0.5
16	S	1.8	36.3	8.9	117	29.6	16	737	4.3	7	2.3	4.2	241	<0.5
OREAS 605	A.S	5.80	50117	1440	2257	1651	99	107	3.90	742	3.10	5.90	424	353.90
	A.S	5.00	51374	1481	2240	1661	105	102	4.06	581	3.10	5.70	403	353.20
	R.S	4.82	50200	1358	2190	1568	100	91	3.91		2.79	5.12	373	324.00
OREAS 927	A.S	1.00	11017	232	740	30	30	1282	8.96	8.00	2.80	15.30	32	1.90
	R.S	1.06	10800	223	772	31	31	1217	8.56	9.20	2.70	14.40	29	1.90

Table S1. Cont.

Sample	Type	V [ppm]	Ca [wt.%]	P [wt.%]	La [ppm]	Cr [ppm]	Mg [wt.%]	Ba [ppm]	Ti [wt.%]	Al [wt.%]	Na [wt.%]	K [wt.%]	W [ppm]	Zr [ppm]	Ce [ppm]
1	S	159	5.54	0.1	13.4	79	1.78	415	0.515	7.8	2.81	1.74	<0.5	80.6	29
2	S	154	5.56	0.11	13.5	79	1.76	430	0.516	7.61	2.71	1.71	0.6	79.9	30
2	D	130	4.45	0.11	14.3	75	1.7	475	0.484	7.59	3.2	1.31	1	64.6	30
2	R	157	5.58	0.11	13.4	78	1.77	414	0.518	7.69	2.74	1.71	0.5	80.8	28
3	S	151	3.73	0.09	15.5	91	1.65	234	0.537	7.92	2.6	1.24	0.7	66.9	35
4	S	130	4.57	0.09	15.3	51	1.56	258	0.456	7.91	2.89	1.08	0.6	73.4	33
4	D	133	4.33	0.08	16.2	55	1.54	259	0.452	7.79	2.89	1.14	0.7	58.6	34
5	S	126	3.74	0.1	17.4	58	1.37	253	0.456	7.6	2.72	1.29	0.5	46	35
6	S	133	4.5	0.09	16.6	52	1.62	346	0.456	7.23	3.07	1.24	0.7	56.4	33
7	S	130	4.85	0.1	16.3	54	1.66	435	0.453	7.13	3.21	1.29	0.6	57.5	33
8	S	140	4.57	0.1	17.8	48	1.7	446	0.478	7.75	3.09	1.36	0.7	58.5	35
9	S	138	4.27	0.08	18	50	1.7	521	0.49	7.89	3.02	1.39	0.6	62.4	38
9	D	140	4.55	0.09	18.6	55	1.76	525	0.513	8.27	3.18	1.39	0.6	64.7	38
10	S	118	3.51	0.09	17.8	52	1.22	272	0.432	7.38	2.8	1.15	0.6	42.8	36
11	S	127	3.31	0.09	17.6	54	1.6	386	0.447	7.54	3.1	1.48	0.6	54.8	36
12	S	77	2.37	0.07	16.2	38	0.91	258	0.327	6.58	2.66	1.24	<0.5	36.3	33
12	R	74	2.34	0.07	17.1	36	0.9	280	0.321	6.5	2.63	1.23	<0.5	38.5	33
13	S	122	3.26	0.07	13.3	34	1.27	270	0.398	7.54	2.74	1.48	<0.5	44.1	28
13	D	115	3.29	0.07	13.8	37	1.26	263	0.398	7.54	2.75	1.44	<0.5	52	27
14	S	133	3.76	0.11	14.9	54	1.69	248	0.458	7.06	3.25	1.26	0.7	65.9	32
15	S	168	8.29	0.09	14.6	61	2.58	241	0.539	7.32	2.55	0.96	0.8	78.3	30
16	S	127	2.88	0.09	13.8	53	1.61	217	0.436	6.76	3.19	1.08	0.7	64.5	30
OREAS 605	A.S	42.0	0.28	0.05	13.70	23	0.05	186	0.18	5.67	0.60	1.16	27.80	92.40	28
	A.S	41.0	0.30	0.05	11.90	22	0.06	437	0.17	5.53	0.63	1.14	29.90	89.90	28
	R.S	39.9	0.28	0.05	11.30	24	0.05		0.18	5.43	0.58	1.04	27.00	84.00	25
OREAS 927	A.S	79.0	0.42	0.06	41.00	64	2.19	322	0.33	6.84	0.16	1.91	7.30	96.80	79
	R.S	77.0	0.39	0.05	39.00	63	2.11	314	0.32	6.41	0.17	1.87	8.10	94.00	73

Table S1. Cont.

[illegible]