

Expedition 320/321 Site U1338, Table T16. Interstitial water data from squeezed whole-round and Rhizon samples, Site U1338. (See table notes.)

Hole, core, section, interval (cm)	Sampling method	Depth (m)		pH	Alkalinity (mM)	Salinity	Cl ⁻ (mM)	Na ⁺ (mM)	SO ₄ ²⁻ (mM)	Li ⁺ (μM)	B (μM)	Mg ²⁺ (mM)	H ₄ SiO ₄ (μM)	K ⁺ (mM)	Ca ²⁺ (mM)	Mn ²⁺ (μM)	Fe ²⁺ (μM)	Sr ²⁺ (μM)	Ba ²⁺ (μM)	
		CSF	CCSF-A																	
321-																				
U1338A-1H-1, 145-150	IW	1.45	1.49	7.67	2.81	35	559	483	28.5	25.6	404	53.5	753	11.1	11.0	74.7	BDL	85	0.45	
U1338A-2H-2, 145-150	IW	5.65	7.13	7.57	2.88	35	558	482	28.0	23.6	418	53.3	702	11.1	10.7	138.5	BDL	104	0.42	
U1338A-2H-5, 145-150	IW	10.15	11.63	7.57	3.04	35	556	476	26.6	22.0	416	53.9	670	10.9	10.9	148.6	BDL	120	0.48	
U1338A-3H-2, 145-150	IW	15.15	17.38	7.60	3.23	34	565	489	28.2	20.5	411	53.4	737	11.1	10.9	136.0	BDL	139	0.44	
U1338A-3H-5, 145-150	IW	19.65	21.88	7.50	3.15	34	559	475	25.8	19.0	422	54.7	723	11.3	10.9	125.8	0.70	142	0.45	
U1338A-4H-2, 145-150	IW	24.65	28.30	7.53	3.33	32	567	485	27.2	18.5	422	54.9	740	11.8	11.2	120.9	1.71	166	0.52	
U1338A-4H-5, 145-150	IW	29.15	32.80	7.52	3.38	32	563	483	26.0	17.8	411	52.9	731	11.1	11.1	102.7	2.12	171	0.43	
U1338A-5H-2, 145-150	IW	34.15	39.90	7.59	3.25	32	564	485	25.8	17.3	416	52.8	811	11.3	10.5	76.3	6.54	194	0.39	
U1338A-5H-5, 145-150	IW	38.65	44.40	7.56	3.32	32	565	484	26.6	16.7	405	54.4	837	11.6	10.8	72.3	6.71	203	0.38	
U1338A-6H-2, 145-150	IW	43.65	49.20	7.60	3.38	34	559	476	27.3	16.4	418	55.5	855	12.0	10.9	64.0	5.07	223	0.42	
U1338A-6H-5, 145-150	IW	48.15	53.70	7.56	3.58	34	564	483	26.6	15.8	427	54.1	848	11.6	11.1	56.9	BDL	234	0.42	
U1338A-7H-3, 145-150	IW	54.65	60.90	7.59	3.45	34	565	482	26.5	14.8	413	54.8	902	11.8	11.0	40.0	2.29	244	0.42	
U1338A-8H-3, 145-150	IW	64.15	72.20	7.49	3.63	34	563	481	24.3	13.1	428	53.3	884	11.1	10.4	20.3	BDL	253	0.38	
U1338A-9H-3, 145-150	IW	73.65	83.10	7.53	4.09	34	565	493	28.6	11.9	432	52.7	1017	10.3	10.7	11.3	BDL	285	0.45	
U1338A-10H-3, 145-150	IW	83.15	93.40	7.58	3.86	34	572	492	25.8	10.5	441	53.1	1040	10.7	10.8	6.8	BDL	308	0.41	
U1338A-11H-3, 145-150	IW	92.65	103.70	7.54	3.74	34	561	482	23.5	10.4	437	50.7	1111	10.9	10.5	4.9	BDL	334	0.46	
U1338A-12H-3, 145-150	IW	102.15	114.50	7.55	3.84	ND	563	483	24.5	8.4	438	52.8	1038	10.6	10.0	2.7	BDL	311	0.50	
U1338A-13H-3, 145-150	IW	111.65	125.40	7.48	3.91	33	561	484	24.9	8.0	449	51.5	1164	10.5	10.3	3.0	BDL	340	0.42	
U1338A-14H-3, 145-150	IW	121.15	135.10	7.53	4.06	32	560	478	24.5	7.0	431	53.1	1223	10.8	10.9	2.3	BDL	359	0.38	
U1338A-15H-3, 145-150	IW	130.65	145.70	7.51	4.10	ND	563	484	23.5	6.4	447	51.0	1176	10.3	10.5	1.8	BDL	356	0.44	
U1338A-16H-3, 145-150	IW	140.15	156.20	7.45	4.21	34	561	480	22.5	5.6	437	50.8	1098	10.7	10.7	2.4	BDL	366	0.47	
U1338A-17H-3, 145-150	IW	149.65	167.70	7.52	4.08	34	563	487	24.9	5.2	436	50.6	1123	10.6	10.7	4.2	0.67	365	0.44	
U1338A-18H-3, 145-150	IW	159.15	178.40	7.53	3.62	34	565	482	24.8	5.1	431	53.1	1129	11.3	11.2	5.9	1.01	380	0.41	
U1338A-19H-3, 145-150	IW	168.65	188.80	7.52	3.95	34	561	480	24.6	4.6	453	52.4	1152	11.3	10.7	5.3	BDL	383	0.49	
U1338A-20H-3, 145-150	IW	178.15	198.90	7.50	3.85	35	562	477	25.0	4.7	527	53.7	1147	12.0	11.3	7.8	1.10	398	0.43	
U1338A-21H-3, 145-150	IW	187.65	209.70	7.52	3.94	34	560	482	25.1	4.2	438	50.7	1200	11.6	11.3	9.8	0.43	389	0.48	
U1338A-22H-3, 145-150	IW	197.15	220.50	7.61	3.90	34	563	477	25.7	4.3	412	53.4	1190	11.9	11.8	13.3	4.26	401	0.44	
U1338A-23H-3, 145-150	IW	206.65	231.30	7.56	4.09	32	561	477	24.4	3.6	430	53.4	1159	11.7	11.8	12.6	3.73	390	0.43	
U1338A-24H-3, 145-150	IW	216.15	242.60	7.49	3.96	ND	563	478	24.1	3.8	429	52.8	1112	11.0	11.3	13.4	12.36	374	0.41	
U1338A-25H-3, 146-151	IW	225.68	253.20	7.49	3.63	ND	560	481	25.2	3.2	421	53.1	1107	11.2	11.1	10.2	3.36	347	0.39	
U1338A-26H-3, 145-150	IW	235.15	263.10	7.53	3.64	34	563	477	25.0	3.5	440	53.2	1151	11.5	11.3	9.2	BDL	375	0.43	
U1338A-27X-3, 140-150	IW	244.60	272.40	7.58	4.10	36	565	480	24.6	3.0	415	53.1	1104	11.1	11.5	5.9	2.32	325	0.44	
U1338A-29X-3, 140-150	IW	263.80	293.10	7.62	3.80	34	565	483	25.5	4.2	411	53.2	1130	11.0	11.6	2.8	0.90	316	0.45	
U1338A-32X-3, 140-150	IW	292.50	324.80	7.43	4.05	35	564	481	24.7	3.4	388	53.2	1134	10.5	12.2	1.9	5.98	193	0.46	
U1338A-33X-3, 140-150	IW	302.10	335.40	7.50	3.35	ND	559	485	27.3	5.5	375	53.2	1217	10.6	12.0	2.1	6.25	186	0.46	
U1338A-34X-3, 140-150	IW	311.70	347.10	7.44	3.93	35	561	477	25.5	4.0	482	53.1	1141	10.3	11.8	2.5	1.77	174	0.49	
U1338A-38X-3, 140-150	IW	349.90	380.00	7.64	3.19	ND	564	482	26.6	8.8	368	53.2	1196	10.6	11.4	1.6	0.92	148	0.49	
U1338A-39X-3, 140-150	IW	359.20	392.40	7.59	3.22	35	563	485	25.3	9.2	394	52.1	1251	10.5	11.1	1.9	BDL	138	0.51	
U1338A-41X-3, 140-150	IW	378.40	425.10	7.58	3.22	34	564	476	25.4	12.8	393	55.8	1206	10.6	11.6	1.2	BDL	122	0.50	
U1338A-42X-3, 140-150	IW	388.00	434.30	7.54	3.87	34	567	480	27.1	15.7	389	55.6	1260	10.4	12.1	0.4	BDL	108	0.47	
U1338A-44X-2, 140-150	IW	405.70	450.80	7.63	2.91	34	566	483	25.5	24.9	383	54.8	1048	10.1	11.2	0.5	BDL	89	0.45	
U1338B-32H-2, 145-150	IW	285.85	315.90	7.50	4.13	ND	562	492	28.2	3.3	378	50.9	1197	10.6	12.6	1.5	BDL	204	0.54	
U1338B-36H-3, 140-150	IW	325.30	358.30	7.49	4.02	ND	560	ND	25.2	4.4	393	ND	1179	ND	ND	2.3	1.72	183	0.49	
U1338A-1H-1, 140-145	Rhizon	1.40	1.44	7.68	2.82	ND	549	ND	28.1	26.9	407	53.5	716	10.8	11.0	75.4	BDL	90	0.41	
U1338A-1H-2, 100-105	Rhizon	2.50	2.54	7.65	2.79	ND	559	466	27.0	26.3	403	55.7	701	11.3	11.2	117.6	BDL	95	0.38	
U1338A-2H-1, 145-150	Rhizon	4.15	5.63	7.61	2.73	ND	562	ND	27.7	23.4	384	61.3	ND	ND	ND	149.7	BDL	94	0.36	
U1338A-2H-2, 140-145	Rhizon	5.60	7.08	7.66	2.68	ND	558	ND	27.7	23.6	393	ND	627	ND	ND	137.2	BDL	106	0.35	
U1338A-2H-5, 140-145	Rhizon	10.10	11.58	7.59	2.90	ND	564	483	25.9	21.1	380	51.1	605	10.5	11.0	150.3	BDL	118	0.35	
U1338A-2H-6, 145-150	Rhizon	11.65	13.13	7.61	2.95	ND	561	491	26.7	20.6	382	50.9	609	10.5	10.7	149.4	BDL	123	0.34	
U1338A-3H-1, 145-150	Rhizon	13.65	15.88	7.63	3.10	ND	562	ND	28.3	19.1	464	ND	615	ND	ND	133.4	BDL	128	BDL	
U1338A-3H-2, 140-145	Rhizon	15.10	17.33	7.62	3.09	ND	565	ND	26.3	19.7	385	ND	620	ND	ND	134.8	BDL	137	0.34	
U1338A-3H-5, 140-145	Rhizon	19.60	21.83	7.71	3.07	ND	564	493	28.1	18.7	390	51.4	641	11.1	10.9	124.9	0.47	145	0.35	
U1338A-3H-6, 145-150	Rhizon	21.15	23.38	7.63	3.18	ND	569	ND	26.3	17.8	463	ND	669	ND	ND	120.8	BDL	148	BDL	
U1338A-4H-1, 145-150	Rhizon	23.15	26.77	7.69	3.20	ND	563	496	27.3	18.1	389	51.1	646	10.9	11.2	114.3	BDL	164	0.34	
U1338A-4H-2, 140-145	Rhizon	24.60	28.22	7.66	3.27	ND	564	ND	27.3	17.9	390	ND	655	ND	ND	110.7	BDL	167	0.36	
U1338A-4H-5, 140-145	Rhizon	29.10	32.72	7.65	3.24	ND	571	487	27.6	18.1	418	53.3	714	11.0	10.9	107.9	3.31	179	0.34	
U1338A-4H-6, 145-150	Rhizon	30.65	34.27	7.63	3.34	ND	564	ND	25.5	17.3	487	ND	747	ND	ND	98.3	5.44	183	BDL	
U1338A-5H-1, 145-150	Rhizon	32.65	38.40	ND	ND	ND	561	ND	26.9	16.9	515	ND	760	ND	ND	93.2	5.04	186	BDL	
U1338A-5H-2, 140-145	Rhizon	34.10	39.80	7.77	3.10	ND	569	487	27.1	17.7	392	51.1	690	11.3	11.1	71.1	2.50	195	0.36	
U1338A-5H-5, 140-145	Rhizon	38.60	44.30	7.72	3.22	ND	570	ND	ND	15.8	390	ND	762	ND	ND	72.1	5.87	202	0.35	
U1338A-5H-6, 145-150	Rhizon	40.15	45.85	7.69	3.27	ND	ND	ND	25.9	15.7	504	ND	793	ND	ND	72.0	4.70	203	BDL	
U1338A-6H-1, 145-150	Rhizon	42.15	47.71	7.60	3.43	ND	562	489	25.7	16.3										