

IODP Proceedings, Volume 346  
Site U1425, Table T12. Interstitial water chemistry, Site U1425.

Core, section, interval (cm)	Top depth CSF-A (m)	Sample type	Alkalinity (mM) Titration	pH ISE	Salinity (‰) Refract	Cl <sup>-</sup> (mM) Titration	Cl <sup>-</sup> (mM) IC	SO <sub>4</sub> <sup>2-</sup> (mM) IC	Br <sup>-</sup> (mM) IC	Na (mM) ICP	Ca (mM) ICP	Mg (mM) ICP	K (mM) ICP	B (μM) ICP	Ba (μM) ICP	Fe (μM) ICP	Li (μM) ICP	Mn (μM) ICP	Si (μM) ICP	Sr (μM) ICP	NH <sub>4</sub> <sup>+</sup> (μM) Spec	PO <sub>4</sub> <sup>3-</sup> (μM) Spec	H <sub>2</sub> SiO <sub>4</sub> (μM) Spec
346-U1425B-																							
1H-1, 0	0.00	ML	2.50	7.67	35.00	543.91	549.49	27.51	0.84	454.44	10.02	51.30	10.82	495.07	BD	BD	41.94	1.11	510.67	101.09	20.71	8.89	446.92
1H-1, 145-150	1.45	IW-Sq	5.11	7.44	35.00	544.88	560.42	26.39	0.86	481.83	10.50	51.34	12.87	647.93	5.14	1.07	28.80	35.86	555.53	92.82	184.76	29.52	516.39
1H-4, 145-150	5.95	IW-Sq	9.35	7.50	35.00	538.27	563.54	22.08	0.87	478.63	9.45	49.80	12.43	575.77	3.11	3.16	28.15	20.13	658.88	94.46		63.18	596.30
2H-1, 145-150	10.25	IW-Sq	12.82	7.41	34.50	536.06	546.73	17.71	0.85	456.39	8.20	46.99	11.80	532.94	15.70	4.42	28.12	5.68	653.28	94.24	1,049.27	79.55	659.17
2H-4, 145-150	14.75	IW-Sq	14.94	7.41	34.00	538.14	556.80	15.32	0.86	462.75	7.38	47.05	11.44	504.39	12.94	3.73	29.86	2.49	629.38	97.05	1,016.99	82.64	604.31
3H-1, 145-150	19.75	IW-Sq	16.71	7.41	34.00	534.46	557.27	12.45	0.87	459.64	6.12	45.36	11.60	555.86	13.61	1.21	31.22	1.63	720.39	98.22	1,230.76	79.88	714.19
3H-4, 145-150	24.25	IW-Sq	18.59	7.43	34.00	532.10	558.71	10.59	0.88	470.00	5.92	46.06	11.64	535.06	14.38	1.84	34.29	1.89	748.77	104.91	1,318.83	75.28	
4H-1, 145-150	29.25	IW-Sq	20.63	7.34	33.00	534.26	546.50	8.13	0.86	461.60	5.33	43.67	11.33	537.80	10.20	5.23	32.60	0.83	697.43	104.35	1,822.18	74.53	768.63
4H-4, 145-150	33.75	IW-Sq	22.14	7.29	34.00	533.09	548.75	6.76	0.87	441.44	4.89	41.47	10.59	551.63	19.32	2.64	32.88	0.88	761.56	110.91		73.78	
5H-1, 145-150	38.75	IW-Sq	23.42	7.37	33.00	534.56	549.83	5.23	0.87	461.75	4.98	42.84	11.33	533.19	11.78	3.80	35.32	1.07	758.04	120.27	2,058.68	68.53	819.52
5H-4, 0-5	41.80	IW-Sq	24.38	7.38	33.00	534.30	548.56	3.90	0.87	448.41	4.68	41.12	10.87	491.72	13.93	2.84	33.63	1.30	676.16	113.23		61.45	
6H-1, 145-150	48.25	IW-Sq	25.29	7.36	33.00	538.43	535.00	2.58	0.85	466.48	4.53	41.77	10.93	563.31	25.04	5.39	41.16	3.36	862.45	150.40	2,175.04	54.84	840.93
6H-4, 145-150	52.75	IW-Sq	25.82	7.54	33.50	536.06	553.98	1.79	0.88	445.49	4.20	39.41	10.38	539.01	64.91	2.76	39.62	4.53	872.89	149.37	1,978.49	45.88	
7H-1, 145-150	57.75	IW-Sq	27.77	7.53	33.00		552.70	0.99	0.88	458.12	4.57	40.18	10.44	547.23	323.41	3.29	42.92	9.85	859.92	166.67	2,762.91	41.33	824.37
7H-4, 145-150	62.25	IW-Sq	28.71	7.54	33.00	536.97	554.14	0.64	0.89	468.51	4.87	40.52	10.69	524.49	955.10	4.64	39.59	13.57	809.25	160.53		40.87	
8H-1, 145-150	67.25	IW-Sq	29.78	7.47	33.50	534.30	553.91	0.51	0.89	471.47	5.21	40.73	10.57	583.71	2,848.90	5.56	45.44	20.58	948.61	183.33	2,906.78	38.66	932.62
8H-4, 145-150	71.75	IW-Sq	30.29	7.51	33.00	538.73	554.83	0.45	0.89	472.80	5.28	40.33	10.46	528.53	4,438.36	3.01	43.85	23.40	866.39	171.32		41.53	
9H-1, 145-150	76.75	IW-Sq	30.72	7.57	34.00	542.49	550.17	0.46	0.88	462.12	5.29	38.86	10.18	543.90	6,467.64	2.51	49.93	27.20	901.20	181.12	2,917.49	41.90	964.93
9H-4, 145-150	81.25	IW-Sq	30.99	7.50	33.00	535.15	559.10	0.44	0.90	481.91	5.68	40.81	10.30	554.91	8,509.94	1.22	55.65	30.99	883.77	194.59		42.27	
10H-1, 145-150	86.25	IW-Sq	31.52	7.54	33.50	536.24	555.92	0.49	0.90	479.57	5.70	39.93	10.26	558.93	9,749.50	1.15	63.97	35.63	939.20	205.36	2,990.80	40.40	977.65
10H-4, 145-150	90.75	IW-Sq	31.76	7.51	33.00	538.71	558.71		0.90	475.36	5.83	39.64	10.22	591.52	10,910.89	1.43	69.53	38.97	952.05	201.91		44.35	
11H-1, 145-150	95.75	IW-Sq	31.90	7.53	33.50	537.25	558.29	0.44	0.91	474.91	5.98	39.40	10.06	611.08	12,641.05	BD	78.68	38.59	978.19	222.06	2,989.96	43.02	969.98
11H-4, 145-150	100.25	IW-Sq	31.68	7.64	34.00	538.99	557.66		0.91	476.97	5.93	39.03	10.09	640.38	13,747.17	BD	90.29	34.08	1,051.62	237.84	3,085.00	35.15	
13X-1, 145-150	106.05	IW-Sq	32.08	7.62	34.00	539.58	556.26		0.91	471.52	6.09	38.36	9.80	611.62	14,359.25	4.70	96.10	28.48	1,008.35	233.61	3,393.43	33.22	979.67
14H-1, 145-150	107.45	IW-Sq	32.22	7.50	34.00	542.94	560.10		0.91	472.49	6.18	38.35	9.64	601.12	14,160.05	1.25	91.04	31.85	922.98	219.98		52.48	964.12
16X-1, 102-107	116.62	IW-Sq	32.10	7.57	34.00		549.88	0.48	0.90	474.53	6.65	38.08	9.52	599.39	14,891.64	BD	108.91	48.26	975.63	226.21	3,110.03	29.66	978.66
18H-1, 145-150	123.95	IW-Sq	32.04	7.54	33.50	536.24	547.28	0.44	0.89	471.03	6.84	37.17	9.37	598.64	15,670.06	BD	115.63	47.44	936.63	221.90	3,587.07	26.19	904.90
20H-1, 145-150	133.35	IW-Sq	32.17	7.54	33.50	537.52	556.97	0.46	0.91	477.02	7.26	36.88	9.38	636.34	16,630.88	4.19	140.71	55.05	1,053.27	236.58	3,441.31	37.83	981.25
21H-1, 145-150	138.05	IW-Sq	31.12	7.44	33.50	542.39	549.42	0.54	0.90	492.65	7.78	36.66	9.33	662.84	14,817.73	5.42	142.60	58.20	1,091.02	228.01		22.58	1,024.65
22H-1, 145-150	147.55	IW-Sq	30.69	7.50	33.00	537.58	551.47	0.70	0.90	475.16	7.87	36.36	8.99	631.78	14,018.63	3.31	144.53	57.25	983.39	212.93	3,410.86	28.91	1,047.12
23H-1, 145-150	157.05	IW-Sq	31.81	7.49	34.00	537.33	550.82	0.45	0.91	473.87	8.17	34.98	8.84	665.50	18,098.68	2.95	177.53	58.30	1,047.81	237.77		27.32	980.32
24H-1, 145-150	166.55	IW-Sq	31.11	7.44	33.00		551.36	0.44	0.91	476.07	8.57	34.19	8.55	710.50	18,985.49	4.54	204.06	60.56	1,147.77	248.30	3,382.29	34.30	1,138.81
25H-1, 145-150	176.05	IW-Sq	30.00	7.34	33.00	541.52	548.66	0.50	0.90	479.31	9.05	33.75	8.56	680.02	17,612.80	1.63	198.61	60.44	1,080.91	226.27		29.52	1,071.39
26H-1, 145-150	185.55	IW-Sq	30.17	7.34	33.50	539.13	555.54	0.44	0.92	454.19	8.98	31.83	8.16	744.92	19,761.71	2.32	219.16	72.04	1,259.47	249.43	3,742.29	33.18	1,176.99
27H-1, 145-150	195.05	IW-Sq	28.96	7.30	33.50		554.75	0.46	0.92	483.20	9.92	32.28	8.46	693.30	18,119.95	BD	220.23	66.81	1,107.95	222.11	3,631.57	27.83	1,139.55
28H-1, 145-150	204.55	IW-Sq	27.77	7.30	33.50	534.06	554.75	0.46	0.92	454.05	9.59	30.11	7.78								3,806.98	31.91	1,222.01
29H-1, 145-150	213.05	IW-Sq	27.59	7.32	33.00	532.24	552.85	0.44	0.92	456.49	10.08	29.40	7.63								3,655.07	28.25	1,088.53
30H-1, 145-150	222.55	IW-Sq	26.42	7.34	33.00	538.55	558.42		0.93	458.82	10.28	28.21	7.39								3,587.49	27.22	1,261.39
32X-1, 145-150	232.05	IW-Sq	25.40	7.23	33.50	532.86	560.42	0.44	0.94	473.46	11.23	28.06	7.59	719.06	18,367.15	BD	271.79	75.67	1,193.69	224.87	3,707.84	27.71	1,276.13
33H-1, 145-150	235.75	IW-Sq	24.72	7.28	33.00	537.70	553.96	0.44	0.93	475.66	11.59	28.13	7.63	668.87	18,553.31	BD	275.13	73.45	1,186.30	225.87		32.84	1,192.82
34H-1, 145-150	245.25	IW-Sq	24.07	7.13	33.00	531.57	551.85	0.44	0.93	468.24	11.62	26.95	7.08	708.93	18,378.63	BD	287.24	77.44	1,219.95	226.29	3,834.28	26.93	1,310.47
35H-1, 145-150	254.75	IW-Sq	22.67	7.17	32.00	529.83	538.37		0.90	474.93	12.16	26.45	7.06	647.42	18,532.48	BD	294.05	70.15	1,167.62	221.58		19.29	1,277.14
36H-2, 145-150	265.75	IW-Sq	21.01	7.26	33.00	535.92	550.51	0.49	0.92	471.66	12.24	24.85	7.21	798.41	17,468.52	BD	303.67	75.02	1,264.32	218.91	4,174.11	19.43	