

Meade Peak member samples (whole-rock analyses for total organic carbon (TOC), total sulfur (TS), TOC/TS ratios, Cd, and interpreted chemofacies.

Sample	Meterage	Wt. % TOC	Wt. % Total Sulfur	TOC/TS ratio	Cd (ppm)	Chemofacies
D-174.0	53.0	0.48	0.07	7	6	Dysoxic
D-171.0	52.1	1.46	0.29	5	5	Dysoxic
D-168.0	51.2	2.85	0.85	3.3	3	Anoxic
D-166.0	50.6	0.47	0.09	5.5	7	Dysoxic
D-165.0	50.3	0.55	0.06	8.7	6	Dysoxic
D-163.5	49.8	0.72	0.15	4.8	44	Dysoxic
D-162.0	49.4	1.84	0.22	8.3	63	Anoxic
D-160.5	48.9	1.93	0.27	7.2	31	Anoxic
D-160.0	48.8	1.9	0.23	8.3	42	Anoxic
D-159.5	48.6	2.85	0.79	3.6	30	Anoxic
D-159.0	48.5	2.21	0.28	7.9	27	Anoxic
D-158.0	48.2	1.91	0.46	4.1	36	Anoxic
D-156.0	47.5	1.11	0.25	4.5	26	Dysoxic
D-153.0	46.6	2.86	0.35	8.2	74	Anoxic
D-150.0	45.7	6.09	0.67	9.1	129	Anoxic
D-148.0	45.1	2.83	0.33	8.7	129	Anoxic
D-145.0	44.2	6.95	0.75	9.3	274	Anoxic
D-142.0	43.3	6	0.63	9.6	155	Anoxic
D-140.0	42.7	6.2	1.59	3.9	276	Anoxic
D-136.0	41.5	6.11	0.7	8.8	99	Anoxic
D-133.5	40.7	2.67	0.32	8.2	31	Anoxic
D-132.5	40.4	0.63	0.1	6.4	14	Dysoxic
D-131.5	40.1	5.14	0.57	9	27	Anoxic
D-128.0	39.0	6.95	0.74	9.4	20	Anoxic
D-124.0	37.8	4.57	1.17	3.9	11	Anoxic
D-122.0	37.2	1.36	0.29	4.6	3	Dysoxic
D-120.0	36.6	1.74	0.19	9.1	5	Anoxic
D-118.0	36.0	4.56	0.52	8.7	14	Anoxic
D-115.0	35.1	2.51	0.3	8.4	7	Anoxic
D-113.0	34.4	0.98	0.11	8.6	8	Dysoxic
D-112.0	34.1	0.8	0.16	5.1	14	Dysoxic
D-111.5	34.0	0.81	0.09	8.9	12	Dysoxic
D-110.5	33.7	4.57	1.14	4	9	Anoxic
D-105.0	32.0	7.01	1.95	3.6	32	Anoxic

D-101.0	30.8	6.49	1.85	3.5	85	Anoxic
D-100.2	30.5	3.12	0.81	3.9	12	Anoxic
D-100.1	30.5	0.9	0.2	4.6	18	Dysoxic
D-100.0	30.5	0.79	0.12	6.5	13	Dysoxic
D-97.0	29.6	1.39	0.2	6.8	8	Dysoxic
D-93.0	28.3	1.41	0.78	1.8	2	Dysoxic
D-88.0	26.8	1.13	0.22	5.1	5	Dysoxic
D-84.0	25.6	1.56	0.41	3.8	3	Anoxic
D-80.0	24.4	1.72	0.27	6.3	4	Anoxic
D-76.0	23.2	3.35	0.51	6.6	3	Anoxic
D-75.5	23.0	1.9	0.32	5.9	6	Anoxic
D-74.0	22.6	1.31	0.28	4.7	7	Dysoxic
D-71.0	21.6	0.42	0.02	27.4	17	Dysoxic
D-70.5	21.5	2.9	0.78	3.7	32	Anoxic
D-69.0	21.0	7.4	1.96	3.8	83	Anoxic
D-68.0	20.7	7.45	1.18	6.3	85	Anoxic
D-66.0	20.1	8.5	1.47	5.8	30	Anoxic
D-60.0	18.3	4.13	0.68	6	10	Anoxic
D-55.0	16.8	1.37	0.22	6.2	3	Dysoxic
D-53.0	16.2	0.37	0.01	36.4	2	Dysoxic
D-52.0	15.8	0.59	0.07	8.2	2	Dysoxic
D-51.5	15.7	0.33	0.03	11.4	2	Dysoxic
D-50.0	15.2	1.75	0.4	4.4	5	Anoxic
D-47.0	14.3	3.71	0.6	6.2	11	Anoxic
D-43.0	13.1	2.61	0.46	5.6	4	Anoxic
D-40.5	12.3	0.27	0.01	31.6	5	Dysoxic
D-40.0	12.2	1.78	0.39	4.5	10	Anoxic
D-39.0	11.9	2.62	0.43	6.2	13	Anoxic
D-37.5	11.4	4.33	0.71	6.1	23	Anoxic
D-36.5	11.1	0.41	0.04	10.3	10	Dysoxic
D-35.5	10.8	2.64	0.65	4.1	20	Anoxic
D-34.0	10.4	1.84	0.33	5.5	99	Anoxic
D-32.0	9.8	12.91	3.88	3.3	385	Anoxic
D-29.0	8.8	2.11	0.4	5.3	97	Anoxic
D-26.0	7.9	2.28	0.63	3.6	120	Anoxic
D-24.5	7.5	2.9	0.87	3.3	172	Anoxic
D-22.5	6.9	1.65	0.46	3.6	134	Anoxic
D-21.5	6.6	1.91	0.56	3.4	51	Anoxic
D-19.5	5.9	2.79	0.85	3.3	145	Anoxic
D-17.0	5.2	1.88	0.4	4.7	127	Anoxic
D-16.0	4.9	1.08	0.21	5.2	69	Anoxic
D-13.0	4.0	0.37	0.07	5.3	109	Dysoxic

D-11.0	3.4	0.36	0.06	5.8	64	Dysoxic
D-9.0	2.7	1.22	0.26	4.8	112	Dysoxic
D-7.5	2.3	0.37	0.08	4.8	181	Dysoxic
A-64.8	19.8	0.94	0.51	1.8	19	Dysoxic
A-64.6	19.7	9.83	3.97	2.5	56	Anoxic
A-64.5	19.7	10.78	2.39	4.5	56	Anoxic
A-64.35	19.6	5	1.08	4.6	271	Anoxic
A-64.2	19.6	3.01	1.93	1.6	90	Euxinic
A-64.0	19.5	5.62	2.65	2.1	238	Anoxic
A-63.0	19.2	4.95	2.01	2.5	164	Anoxic
A-62.1	18.9	4.66	1.08	4.3	161	Anoxic
A-61.7	18.8	3.24	0.64	5.1	52	Anoxic
A-61.0	18.6	3.77	0.78	4.8	18	Anoxic
A-60.8	18.5	2.68	0.55	4.9	65	Anoxic
A-60.5	18.4	3.61	0.81	4.5	87	Anoxic
A-60.0	18.3	2.5	0.5	5	13	Anoxic
A-59.0	18.0	1.11	0.23	4.9	43	Dysoxic
A-58.0	17.7	1.66	1.81	0.9	16	Euxinic
A-56.85	17.3	2.63	0.74	3.5	140	Anoxic
A-56.0	17.1	1.98	0.44	4.5	14	Anoxic
A-55.5	16.9	1.89	0.99	1.9	16	Euxinic
A-55.0	16.8	0.8	0.18	4.5	60	Dysoxic
A-54.7	16.7	4.82	1.02	4.7	44	Anoxic
A-54.3	16.6	3.38	1.57	2.2	56	Anoxic
A-54.0	16.5	8.09	1.82	4.4	97	Anoxic
A-53.0	16.2	1.69	0.31	5.5	34	Anoxic
A-52.5	16.0	0.76	0.16	4.8	16	Dysoxic
A-52.0	15.8	1.25	0.34	3.7	7	Dysoxic
A-51.8	15.8	3.98	1.35	2.9	78	Anoxic
A-51.6	15.7	4.93	1.45	3.4	145	Anoxic
A-51.0	15.5	3.89	0.69	5.6	42	Anoxic
A-50.55	15.4	2.95	0.8	3.7	135	Anoxic
A-50.4	15.4	11.18	2	5.6	101	Anoxic
A-50.0	15.2	4.85	0.87	5.6	112	Anoxic
A-49.8	15.2	8.75	4.3	2	218	Euxinic
A-49.6	15.1	6.68	1.23	5.4	180	Anoxic
A-49.0	14.9	1.21	0.7	1.7	10	Dysoxic
A-48.5	14.8	0.93	0.25	3.7	52	Dysoxic
A-48.0	14.6	1.59	0.38	4.2	30	Anoxic
A-47.5	14.5	9.72	3.7	2.6	220	Anoxic
A-47.0	14.3	9.76	2.65	3.7	207	Anoxic

A-46.2	14.1	8.72	1.62	5.4	97	Anoxic
A-44.0	13.4	8.23	6.41	1.3	184	Euxinic
A-39.5	12.0	2.81	1.33	2.1	167	Anoxic
A-34.0	10.4	15.68	5.35	2.9	326	Anoxic
A-27.0	8.2	0.61	0.25	2.4	53	Dysoxic
A-26.6	8.1	0.68	0.33	2	56	Dysoxic
A-26.5	8.1	0.56	0.21	2.7	48	Dysoxic
C-12.5	3.8	0.93	0.31	3	4	Dysoxic
C-10.5	3.2	0.8	0.11	7.3	5	Dysoxic
C-6.0	1.8	1.56	0.34	4.6	62	Anoxic
C-2.0	0.6	0.48	0.24	2	3	Dysoxic
C-0.5	0.2	0.27	0.13	2.1	3	Dysoxic
C-0.2	0.1	0.34	0.15	2.3	3	Dysoxic
V-23.0	7.0	0.1	0.02	5	4	Dysoxic
V-22.5	6.9	0.14	0.03	4.7	3	Dysoxic
V-22.0	6.7	0.1	0.06	1.7	3	Dysoxic
V-21.5	6.6	0.11	0.03	3.7	2	Dysoxic
V-21.0	6.4	0.13	0.12	1.1	3	Dysoxic
V-20.5	6.2	0.12	0.23	0.5	3	Dysoxic
V-20.0	6.1	0.16	0.04	4	2	Dysoxic
V-19.5	5.9	0.08	0.03	2.8	3	Dysoxic
V-19.0	5.8	0.18	0.06	3	3	Dysoxic
V-18.0	5.5	0.23	0.16	1.4	3	Dysoxic
V-17.6	5.4	0.15	0.36	0.4	3	Dysoxic
V-17.3	5.3	0.19	0.05	3.8	3	Dysoxic
V-17.0	5.2	0.21	0.04	5.3	2	Dysoxic
V-16.9	5.2	0.12	0.03	4	1	Dysoxic
V-16.6	5.1	0.11	0.03	3.7	3	Dysoxic
V-16.0	4.9	0.2	0.05	4.4	2	Dysoxic
V-15.5	4.7	0.14	0.05	2.8	2	Dysoxic
V-15.0	4.6	0.22	0.03	7.3	2	Dysoxic
V-14.5	4.4	0.13	0.04	3.3	2	Dysoxic
V-14.0	4.3	0.24	0.04	6	3	Dysoxic
V-13.5	4.1	0.15	0.03	5	2	Dysoxic
V-13.0	4.0	0.15	0.04	4.1	2	Dysoxic
V-12.5	3.8	0.16	0.03	5.3	3	Dysoxic
V-12.0	3.7	0.21	0.06	3.5	2	Dysoxic
V-11.5	3.5	0.18	0.07	2.6	3	Dysoxic
V-11.0	3.4	0.2	0.1	2	2	Dysoxic
V-10.5	3.2	0.16	0.1	1.6	2	Dysoxic

V-10.0	3.0	0.09	0.08	1	2	Dysoxic
V-9.5	2.9	0.2	0.31	0.7	4	Dysoxic
V-9.0	2.7	0.19	0.08	2.4	3	Dysoxic
V-8.55	2.6	0.22	0.07	3.1	3	Dysoxic
V-8.1	2.5	0.18	0.56	0.3	3	Dysoxic
V-7.5	2.3	0.14	0.05	2.8	3	Dysoxic
V-7.0	2.1	0.13	0.08	1.8	2	Dysoxic
V-6.5	2.0	0.22	0.08	2.8	2	Dysoxic
V-6.0	1.8	0.27	0.05	5.4	3	Dysoxic
V-5.5	1.7	0.3	0.06	5	4	Dysoxic
V-5.0	1.5	0.26	0.04	6.5	3	Dysoxic
V-4.5	1.4	0.2	0.03	6.7	3	Dysoxic
V-4.0	1.2	0.17	0.03	5.7	3	Dysoxic
V-3.55	1.1	0.2	0.04	5	3	Dysoxic
V-3.44	1.0	0.16	0.03	5.4	2	Dysoxic
V-3.0	0.9	0.17	0.03	5.7	3	Dysoxic
V-2.5	0.8	0.17	0.04	4.1	1	Dysoxic
V-2.0	0.6	0.18	0.06	2.9	3	Dysoxic
V-1.5	0.5	0.18	0.57	0.3	3	Dysoxic
V-1.1	0.3	0.12	0.26	0.5	2	Dysoxic
V-1.0	0.3	0.13	0.39	0.3	3	Dysoxic
V-0.0	0.0	0.16	0.04	4	3	Dysoxic