

Table T3. Summary of XRD data, Hole 1276A. (See table notes. Continued on next four pages.) (N2)

Core, section, interval (cm)	Depth (mbsf)	Lith. unit	14 Å	10 Å	7 Å	Zeo	Gt	Opal	Qtz	KFs	Pl	Cc	Dol	Sd	Py	Others	D	M	Lithology
210-1276A-																			
4R-3, 54-55	822.74	1	2	2	1	0	0	3	4	0	2	0	1	0	2		X		Claystone
4R-4, 9-11	823.79	1	2	3	2	0	0	3	4	1	2	2	2	0	2	Hornblende	X		Claystone
5R-4, 20-21	833.50	1	2	2	2	0	0	2	4	1	2	3	2	0	2	Gypsum	X		Claystone
5R-4, 24-25	833.54	1	1	2	2	1	0	2	4	1	2	0	0	0	2		X		Claystone
6R-2, 44-44.5	840.34	1	1	2	1	2	0	1	4	1	2	0	0	0	2		X		Porcellanite with zeolite
6R-2, 44-44.5	840.34	1	1	2	2	3	1	0	4	1	2	1	0	0	2		X		Porcellanite with zeolite
6R-3, 59-60	841.99	1	1	2	2	0	0	0	4	2	2	0	0	0	1		X		Claystone
6R-6, 10-11	846.00	1	1	2	1	0	0	0	4	1	2	0	0	0	0	Hornblende	X		Claystone
7R-4, 35-35.5	852.85	1	1	2	2	0	0	0	4	1	2	0	0	0	1		X		Claystone
7R-4, 35-35.5	852.85	1	2	2	2	0	0	0	4	1	2	1	1	0	0	Chlorite, minor kaolinite	X		Claystone
8R-5, 116-117	864.76	2	2	2	1	1	0	0	4	1	2	0	0	0	1		X		Claystone
9R-1, 32-34	867.52	2	1	1	0	2	0	3	4	1	2	4	0	0	1		X		Siliceous marlstone
9R-2, 72-75	869.42	2	3	2	0	1	0	1	4	2	1	0	0	0	0		X		Claystone
10R-4, 101-105	882.28	2	3	0	0	1	0	1	4	1	1	4	1	0	1		X		Calcareous mudstone
10R-4, 109-113	882.36	2	1	2	0	2	0	3	4	1	1	4	0	0	0		X		Calcareous mudstone
11R-4, 1.5-4	890.91	2	3	0	0	2	0	1	4	0	1	4	0	0	1		X		Calcareous mudstone
11R-4, 122-125	892.12	2	3	0	0	3	1	0	4	1	1	0	1	0	0			X	Zeolitic claystone
12R-3, 30-31	899.30	2	2	2	0	2	2	0	3	2	2	4	0	0	1	Celadonite?	X		Calcareous mudstone
12R-4, 54-55	901.04	2	2	1	1	1	1	0	4	1	2	0	1	0	0	Palygorskite?	X		Mudstone
12R-4, 116-117	901.66	2	2	2	0	2	0	0	4	2	2	3	1	0	0	Palygorskite?	X		Mudstone
13R-2, 120-121	908.40	2	2	1	0	0	0	0	4	3	2	4	0	0	1		X		Claystone
13R-3, 9-10	908.79	2	2	1	0	0	1	0	4	1	2	3	2	0	1		X		Claystone
14R-1, 38-39	915.68	2	1	1	0	0	1	1	4	1	1	3	1	0	2		X		Calcareous claystone
15R-4, 20-22	929.70	3	2	1	0	0	0	0	4	1	1	0	0	0	1		X		Sandy mudstone
15R-4, 45-46	929.95	3	2	2	0	0	0	0	4	2	2	0	0	0	1	Biotite	X		Sandy mudstone
15R-5, 27-29	931.27	3	2	1	0	0	0	0	4	1	1	0	0	0	1	Palygorskite? subdued peaks	X		Claystone
15R-5, 40-41	931.40	3	2	1	0	0	0	1	4	0	0	0	0	0	0		X		Claystone with Mn oxides?
15R-5, 107-108	932.07	3	2	1	1	0	0	0	4	0	1	0	0	0	1		X		Mudstone
15R-6, 24-26	932.74	3	2	0	0	0	0	0	4	0	0	0	0	0	1		X		Mudstone
16R-2, 76-77	936.76	3	2	1	0	0	0	1	4	1	0	0	0	0	1		X		Mudstone
16R-2, 124-125	937.24	3	2	1	0	0	0	1	4	1	0	4	0	0	2		X		Claystone
17R-4, 21-25	948.12	3	1	1	0	0	0	0	4	3	1	4	0	0	1		X		Calcareous claystone
17R-7, 24-28	952.55	3	2	1	0	0	0	0	4	2	2	4	1	0	1		X		Claystone
18R-1, 31-35	954.11	3	1	1	0	0	0	0	4	1	1	3	0	0	2		X		Claystone
18R-7, 97-101	962.90	3	1	1	0	0	0	0	4	1	2	4	0	0	2		X		Calcareous claystone
19R-2, 103-104	965.96	3	0	0	0	0	0	0	2	0	1	4	0	0	0	Cc nonstoichiometric		X	Calcite vein
19R-3, 122-123	967.61	3	2	1	1	0	1	0	4	2	2	0	2	0	0		X		Claystone
19R-5, 100-101	970.17	3	1	1	1	0	0	0	3	1	1	4	0	0	0		X		Marlstone
20R-3, 90-92	976.74	3	2	1	1	0	0	0	4	1	2	1	2	0	2	Palygorskite?	X		Mudstone
20R-7, 59-62	982.21	3	2	2	2	0	0	0	4	1	2	0	1	0	2		X		Mudstone
21R-4, 26-28	987.22	3	2	2	2	1	0	0	4	1	3	0	0	0	0	Sanidine	X		Mudstone
21R-4, 63-64	987.59	3	2	2	2	0	0	0	4	1	2	0	0	0	2	No sanidine	X		Mudstone
22R-3, 90-91	996.30	3	2	0	0	0	0	0	3	2	3	4	0	0	0	Sanidine	X		Marlstone
23R-2, 108-109	1004.47	3	1	0	1	0	0	0	1	0	0	4	0	0	0			X	Calcite nodule
23R-2, 108-109	1004.47	3	0	0	0	0	0	0	2	0	0	4	0	0	0			X	Calcite nodule
23R-3, 68-72	1005.52	3	3	1	1	0	2	0	3	4	2	3	0	0	0	Microcline, hematite, glass?	X		Mudstone
23R-3, 68-72	1005.52	3	4	1	1	0	0	0	3	4	1	3	0	0	0	Microcline, glass?	X		Mudstone
23R-4, 79-80	1006.73	3	3	1	1	1	3	0	4	4	1	4	0	0	0	Microcline, hematite, glass?			Calcareous claystone

Table T3 (continued).

Core, section, interval (cm)	Depth (mbsf)	Lith. unit	14 Å	10 Å	7 Å	Zeo	Gt	Opal	Qtz	KFs	Pl	Cc	Dol	Sd	Py	Others	D	M	Lithology
23R-4, 79–80	1006.73	3	3	1	1	1	3	0	4	4	1	4	0	0	0	Microcline, hematite, glass?			Calcareous claystone
24R-1, 51–54	1012.11	3	1	2	2	0	0	0	4	2	2	4	0	0	1		X		Calcareous sandstone
24R-3, 80–84	1015.40	3	1	2	2	0	0	0	4	2	1	4	0	0	0		X		Marlstone
25R-2, 1–6	1022.71	3	1	2	2	0	0	0	4	2	1	4	0	0	0		X		Marlstone
25R-7, 24–30	1029.94	4	2	2	2	0	1	0	4	2	2	0	0	0	0	Biotite	X		Claystone
26R-2, 40–44.5	1032.66	4	2	2	1	0	0	0	4	2	2	0	0	0	2		X		Muddy sandstone
27R-3, 59–60	1044.00	4	0	0	0	0	0	0	3	0	0	0	0	0	0	Manganite, pyrolusite, cryptomelane?		X	Manganite nodule
27R-4, 29–31	1045.20	4	2	2	0	0	2	0	4	2	3	2	0	0	0	Hematite		X	Mudstone
27R-5, 70–72	1047.11	4	1	2	0	0	0	0	4	2	2	0	1	0	1		X		Mudstone
28R-2, 40–41	1052.00	4	1	2	0	0	0	0	4	2	1	0	1	0	2		X		Mudstone
28R-4, 141–142	1055.67	4	0	1	0	0	0	0	4	1	2	4	0	0	2		X		Marlstone
29R-2, 34–36	1061.48	4	2	2	0	0	2	0	4	3	3	3	0	0	2	Diaspore?	X		Muddy sandstone
29R-5, 10–12	1065.63	4	2	2	1	0	0	1	4	1	2	4	0	0	2		X		Nannofossil marlstone
30R-4, 78–79	1074.41	5A	2	2	2	0	0	0	4	1	2	0	2	0	2		X		Nannofossil mudstone
30R-4, 128–129	1074.91	5A	2	2	2	0	1	0	4	1	2	3	1	2	2		X		Mudstone
31R-2, 15–18	1080.65	5A	2	3	2	0	0	0	4	2	2	0	0	2	2		X		Mudstone
31R-2, 124–128	1081.74	5A	2	3	2	0	0	0	4	2	2	0	0	0	3	Vivianite? marcasite?	X		Mudstone with organic matter
32R-5, 23–27	1094.65	5A	0	2	0	0	0	0	3	2	2	4	0	0	3		X		Marlstone
33R-3, 91–95	1102.11	5A	2	3	1	0	0	0	3	1	0	4	0	0	3	Chlorite	X		Marlstone
33R-4, 133–137	1104.03	5A	2	3	2	0	0	0	4	2	2	3	0	1	1		X		Marlstone
34R-2, 94–98	1110.11	5A	2	2	1	0	0	0	3	1	1	4	0	0	3		X		Mudstone
34R-2, 94–98	1110.11	5A	2	2	1	0	0	0	3	1	1	4	0	0	3		X		Mudstone
34R-2, 102–106	1110.19	5A	2	3	2	0	0	0	4	2	3	0	0	0	1	Chlorite		X	Claystone
34R-2, 102–106	1110.19	5A	2	3	2	0	0	0	4	2	3	0	0	0	1	Chlorite		X	Claystone
35R-3, 107–111	1121.47	5A	1	2	2	0	0	0	4	2	2	1	2	2	0	Chlorite	X		Mudstone
35R-6, 57–61	1125.12	5A	2	2	2	0	0	0	4	2	2	4	0	2	2		X		Nannofossil marlstone
36R-5, 142–143	1134.05	5B	1	1	1	0	0	0	4	2	2	4	0	1	1			X	Calcite nodule
36R-6, 62–66	1134.75	5B	1	2	1	0	0	0	4	2	2	2	2	1	2		X		Mudstone
36R-6, 82–86	1134.95	5B	1	2	0	0	0	0	4	1	2	4	0	0	2		X		Muddy nannofossil limestone
37R-3, 44–45	1139.60	5B	2	1	2	0	0	0	4	2	2	4	2	2	1		X		Mudstone
37R-5, 26–27	1141.91	5B	1	2	1	0	1	0	3	1	2	4	4	4	1			X	Carbonate nodule
37R-5, 52–53	1142.17	5B	2	2	2	0	0	0	4	1	2	3	1	2	0		X		Mudstone
38R-5, 96–98	1152.40	5B	1	2	1	0	1	0	4	1	1	4	0	4	0			X	Carbonate nodule
38R-6, 96–98	1153.78	5B	0	2	1	0	0	0	4	2	2	4	0	3	1		X		Sandstone with carbonate cement
39R-2, 20–21	1156.90	5B	1	2	2	0	0	0	4	1	2	4	1	1	0		X		Black shale
39R-3, 38–39	1158.61	5B	1	2	2	0	1	0	4	1	2	4	0	2	1		X		Mudstone
39R-5, 36–38	1161.59	5B	1	2	2	0	1	0	4	2	2	0	2	2	1		X		Mudstone
40R-2, 50–52	1166.83	5B	2	2	2	0	1	0	4	2	2	0	2	2	1		X		Mudstone
41R-1, 113–117	1175.53	5B	2	2	2	0	1	0	4	2	2	4	2	2	2	Chlorite	X		Calcareous siltstone
41R-4, 23–24	1179.20	5B	1	2	1	0	0	0	3	2	2	3	0	4	1			X	Carbonate nodule
41R-6, 79–84	1182.84	5B	2	2	1	0	1	0	4	1	2	4	0	3	1		X		Siltstone with carbonate cement
42R-1, 4–8	1184.04	5B	2	2	2	0	1	0	4	2	2	4	1	2	1		X		Calcareous claystone
42R-4, 115–116	1189.31	5B	1	2	1	0	0	0	4	2	2	3	0	4	1			X	Siderite nodule
42R-6, 39–43	1191.59	5B	1	2	2	0	0	0	4	1	2	4	0	0	2		X		Marlstone
43R-2, 88–92	1195.91	5B	0	1	1	0	0	0	4	0	1	4	0	0	3		X		Marlstone
43R-3, 35–36	1196.90	5B	1	2	2	0	0	0	4	2	2	4	2	2	2		X		Calcareous mudstone
43R-5, 78–79	1200.25	5B	0	0	0	0	0	0	0	0	0	0	0	0	0	Barite		X	Barite nodule
44R-4, 27–28	1208.01	5B	0	0	0	0	0	0	0	0	0	0	0	0	0	Barite		X	Barite nodule
44R-4, 62–63	1208.36	5B	2	2	2	0	0	0	4	2	2	0	2	2	1		X		Mudstone

Table T3 (continued).

Core, section, interval (cm)	Depth (mbsf)	Lith. unit	14 Å	10 Å	7 Å	Zeo	Gt	Opal	Qtz	KFs	Pl	Cc	Dol	Sd	Py	Others	D	M	Lithology
46R-2, 52-53	1224.43	5B	0	1	0	0	0	0	3	1	1	3	0	4	2			X	Siderite nodule
46R-5, 105-106	1229.58	5B	1	2	2	0	0	0	4	2	2	4	0	2	1		X		Calcareous mudstone
47R-2, 66-69	1234.19	5B	1	2	2	0	0	0	4	2	2	4	0	2	2		X		Nannofossil marlstone
47R-3, 23-24	1235.27	5B	0	0	0	0	0	0	0	0	0	0	0	0	0	Barite		X	Barite nodule
47R-7, 28-29	1241.26	5B	2	2	2	0	1	0	4	1	2	2	0	2	1		X		Green mudstone at 32 cm
47R-7, 42-43	1241.40	5B	0	1	0	0	0	0	2	0	0	1	4	2	1			X	Dolomite nodule
48R-2, 90-92	1244.14	5B	1	2	2	0	0	0	4	2	2	4	1	2	1		X		Calcareous claystone at 88 cm
48R-4, 44-45	1246.76	5B	1	2	2	0	0	0	4	2	2	4	1	2	2			X	Siltstone with carbonate cement at 47 cm
49R-2, 6-11	1252.96	5B	2	2	2	0	0	0	4	2	2	3	2	2	2		X		Claystone
49R-4, 67-72	1256.57	5B	2	2	2	0	0	0	4	2	3	3	1	1	2	Chlorite	X		Siltstone
50R-4, 18-22	1265.68	5B	2	2	2	0	0	0	4	2	3	3	1	1	2	Chlorite	X		Siltstone
50R-6, 60-64.5	1268.58	5B	1	2	2	0	0	0	4	2	2	4	0	2	2		X		Calcareous claystone
51R-1, 60-63	1271.30	5B	2	2	2	0	0	0	4	2	2	4	0	2	2	Chlorite	X		Claystone with nannofossils
52R-2, 36-37	1282.26	5B	2	2	2	0	0	0	4	2	2	2	0	1	1	Chlorite	X		Mudstone
52R-3, 90-91	1284.30	5B	1	2	1	0	0	0	4	2	2	4	0	0	2		X		Calcareous mudstone
52R-4, 91-92	1285.81	5B	2	3	2	0	0	0	4	3	3	4	0	0	2	Chlorite	X		Calcareous siltstone
53R-5, 107-108	1297.01	5B	1	2	2	0	0	0	4	2	2	4	0	2	2		X		Calcareous mudstone
54R-4, 120-121	1305.30	5B	2	3	2	0	0	0	4	2	2	3	2	1	2	Brittle mica?	X		Mudstone
55R-2, 10-13	1310.80	5B	1	2	2	0	0	0	4	1	2	4	0	1	2		X		Nannofossil marlstone
55R-2, 21-22	1310.91	5B	0	1	1	0	0	0	3	1	1	3	0	4	2			X	Siderite nodule
56R-1, 118-120	1319.98	5B	1	2	2	0	0	0	4	2	2	3	0	2	2		X		Claystone
56R-2, 110-111	1321.40	5B	1	2	2	0	0	0	4	2	2	0	1	2	1		X		Mudstone
57R-1, 4-5	1328.54	5B	2	2	2	0	0	0	4	2	2	4	0	2	2		X		Calcareous mudstone
57R-2, 38-39	1330.38	5B	2	2	2	0	0	0	4	2	2	2	1	2	2		X		Claystone
58R-3, 68-72	1341.78	5B	2	2	3	0	0	0	4	2	2	0	0	2	1	Chlorite, kaolinite	X		Mudstone
59R-4, 103-107	1349.63	5B	2	3	3	0	0	0	4	1	2	2	1	2	2	Kaolinite	X		Claystone
60R-1, 18-19	1353.88	5B	1	2	2	0	0	0	4	1	2	3	0	2	2		X		Calcareous mudstone
61R-4, 119-120	1368.89	5B	2	3	3	0	0	0	4	2	3	0	2	2	0		X		Clay/mudstone
62R-3, 78-79	1376.68	5B	2	3	3	0	0	0	4	2	2	0	2	2	1		X		Mudstone
63R-1, 135-136	1383.85	5B	2	3	2	0	0	0	4	2	2	3	0	2	1		X		Claystone
64R-5, 43-44	1398.63	5B	2	3	3	0	0	0	4	1	2	0	2	2	0		X		Claystone
65R-3, 100-101	1405.80	5B	1	2	2	0	0	0	4	1	2	3	0	0	3		X		Claystone
66R-3, 42-43	1414.72	5B	2	3	3	0	0	0	4	2	3	3	1	1	3	12.4 Å	X		Claystone
67R-3, 39-40	1424.29	5B	2	3	3	0	0	0	4	2	2	0	2	2	0			X	Mudstone
68R-2, 137-141	1433.37	5B	2	3	3	0	0	0	4	2	3	3	3	0	2	2.8 Å	X		Calcareous mudstone
68R-4, 90-91	1435.90	5B	0	1	0	0	0	0	3	1	2	2	4	4	3	F-apatite		X	Carbonate nodule
69R-6, 55-56	1447.85	5B	1	2	2	0	0	0	4	1	2	3	3	1	3	2.96 Å	X		Calcareous claystone
70R-4, 49-50	1454.49	5B	2	3	3	0	0	0	4	2	2	1	0	0	0		X		Claystone
71R-6, 20-21	1466.90	5B	2	3	3	0	0	0	4	1	2	1	0	0	1		X		Claystone
72R-5, 79-80	1475.52	5B	2	3	2	0	0	0	4	1	2	1	0	0	1		X		Claystone
73R-3, 46-47	1481.96	5B	2	3	2	0	0	0	4	2	2	0	0	0	3	Chlorite	X		Mudstone
74R-2, 121-122	1490.81	5B	2	3	2	0	0	0	4	2	2	1	0	0	2		X		Claystone
76R-3, 45-46	1510.75	5C	2	3	3	0	0	0	4	2	3	0	2	2	0		X		Claystone
77R-2, 21-23	1518.61	5C	0	0	2	0	0	0	3	0	2	0	3	4	1			X	Siderite nodule
77R-2, 110-112	1519.50	5C	2	3	3	0	0	0	4	1	2	1	2	2	3		X		Claystone
78R-3, 16-19	1529.66	5C	2	3	3	0	0	0	4	1	3	1	2	0	0		X		Claystone
79R-5, 34-35	1542.54	5C	2	2	3	0	0	0	4	1	2	3	1	1	2		X		Calcareous claystone
80R-1, 28-29	1546.08	5C	2	2	3	0	0	0	4	1	2	3	0	2	2		X		Calcareous mudstone
81R-1, 37-40	1555.77	5C	2	3	3	0	0	0	4	2	3	2	2	2	2		X		Calcareous mudstone

Table T3 (continued).

Core, section, interval (cm)	Depth (mbsf)	Lith. unit	14 Å	10 Å	7 Å	Zeo	Gt	Opal	Qtz	KFs	Pl	Cc	Dol	Sd	Py	Others	D	M	Lithology
82R-1, 6–9	1565.06	5C	2	3	3	0	0	0	4	2	2	3	0	0	1		X		Claystone
83R-1, 62–63	1575.12	5C	2	3	3	0	0	0	4	2	2	0	0	0	1	C-V-S-ML	X		Mudstone
83R-3, 133–134	1578.83	5C	2	3	3	0	0	0	4	2	2	3	0	0	2	Cc nonstoichiometric		X	Nodular calcite with host sediment
84R-2, 114–115	1586.84	5C	2	3	3	0	0	0	4	2	2	3	0	0	2		X		Mudstone with nannofossils
85R-5, 31–32	1593.26	5C	2	2	4	0	0	2	4	1	2	0	1	0	0	Kaolinite		X	Claystone with kaolin blebs
85R-5, 35–39	1593.30	5C	2	2	3	0	0	0	4	2	2	1	1	0	1	Chlorite	X		Claystone
86R-2, 25–26	1596.55	5C	2	2	3	0	0	0	4	1	2	1	0	0	1	Chlorite	X		Calcareous mudstone
86R-5, 20–21	1601.00	5C	2	2	4	0	0	0	4	1	1	1	0	0	1	Kaolinite	X		Claystone
87R-2, 99–100	1606.99	5C	2	2	2	0	0	0	4	2	2	0	0	0	1	Kaolinite + chlorite	X		Mudstone
87R-2, 104–106	1607.04	5C	2	2	2	0	0	0	4	2	2	1	0	0	2	Kaolinite + chlorite	X		Mudstone
87R-6, 29–30	1612.40	5C1	2	1	3	0	0	0	4	2	4	4	0	0	2	Strong kaolinite, weaker chlorite		X	Poikiloblastic hornfels (altered siltstone)
87R-6, 85–86	1612.96	5C1	3	0	4	0	0	0	4	0	3	4	0	0	2	Cc nonstoichiometric		X	Altered sill
87R-6, 106–107	1613.17	5C1	2	0	3	0	0	0	2	2	3	4	0	0	1	Kaolinite + chlorite equal, apatite, magnetite		X	Altered sill
87R-7, 19–20	1613.70	5C1	3	1	3	0	0	0	4	0	4	3	0	0	2	Pyroxene, magnetite, chlorite, serpentine		X	Altered sill
88R-1, 92–93	1616.04	5C1	3	2	3	3	0	0	3	4	4	1	0	0	1	Analcite, augite, biotite		X	Altered sill
88R-3, 61–62	1617.17	5C1	3	2	3	3	0	0	2	4	4	1	0	0	1	Magnetite, analcite, augite, apatite, biotite		X	Altered sill
88R-3, 119–120	1617.75	5C1	2	2	2	2	0	0	2	4	4	1	0	1	2	No magnetite, analcite, augite, apatite		X	Altered sill
88R-4, 109–110	1619.15	5C1	2	2	2	3	0	0	2	4	4	0	0	0	0	Augite, analcite, mica		X	Altered sill
88R-5, 106–109	1620.59	5C1	3	2	3	2	0	0	2	4	3	1	0	2	2	Augite, apatite, analcite, biotite		X	Altered sill
88R-5, 106–109	1620.59	5C1	3	2	3	2	0	0	2	4	3	1	0	2	2	Augite, apatite, analcite, biotite		X	Altered sill
88R-6, 69–70	1621.31	5C1	3	2	2	0	0	0	3	4	4	1	0	1	1	Augite, ilmenite? pyrite, biotite		X	Altered sill
88R-7, 93–94	1622.76	5C1	3	1	2	0	0	0	3	4	4	3	0	1	2	Augite, magnetite, ilmenite? biotite		X	Altered sill
89R-1, 20–21	1623.80	5C	3	1	4	0	0	0	4	2	1	3	0	0	0	Cc nonstoichiometric		X	Altered ash?
89R-1, 119–121	1624.79	5C	2	3	3	0	0	0	4	2	3	0	0	0	2		X		Claystone
89R-2, 35–36	1625.45	5C	2	2	3	0	0	0	4	2	2	1	0	0	2	Chlorite	X		Claystone
90R-4, 104–108	1638.81	5C	2	2	3	0	0	0	4	2	2	1	0	0	1		X		Claystone
91R-2, 112–114	1645.42	5C	1	2	3	0	0	0	4	2	2	0	0	0	1		X		Mudstone
92R-5, 71–72	1659.21	5C	0	2	2	0	0	0	3	1	1	0	0	0	?	CaF-apatite		X	Phosphate nodule
92R-6, 126–129	1661.26	5C	1	2	3	0	0	0	4	2	1	0	0	0	2		X		Mudstone
93R-4, 127–130	1667.87	5C	2	2	3	0	0	0	4	2	2	0	0	0	2	Chlorite	X		Claystone
94R-5, 71–72	1678.30	5C	2	2	2	0	0	0	4	1	2	2	0	0	3	Chlorite	X		Mudstone
95R-3, 74–78	1684.80	5C	2	3	3	0	0	0	4	2	2	2	0	0	0	Chlorite	X		Mudstone
96R-1, 131–132	1692.21	5C	1	2	2	0	0	0	4	1	3	3	0	0	3		X		Mudstone
96R-CC, 9–10	1698.58	5C	2	3	3	0	0	0	4	2	3	2	0	0	1	Chlorite, mica	X		Mudstone, soft
97R-1, 84–85	1701.34	5C	1	0	3	0	0	0	4	0	0	4	0	0	2	Apatite		X	Calcareous siltstone with phosphate
97R-1, 96–102	1701.46	5C																	
97R-3, 142–143	1704.92	5C2	2	0	4	0	0	0	3	3	4	4	0	0	3			X	Minor vein
97R-3, 144–145	1704.94	5C2	2	1	3	0	0	0	2	3	4	4	0	0	2	Chlorite		X	Minor vein
98R-1, 76–77	1710.86	5C2	2	2	3	2	0	0	4	0	4	0	0	0	0	Analcite, chlorite		X	Aureole (altered sediments)
98R-1, 98–99	1711.08	5C2	2	3	3	2	0	0	4	0	4	0	0	1	1	Analcite, chlorite, olivine?		X	Aureole (altered sediments)
98R-1, 117–119	1711.27	5C2	3	0	3	0	0	0	4	2	4	0	0	0	1			X	Altered sill
98R-2, 113–114	1712.64	5C2	2	2	2	0	0	0	3	1	4	0	0	0	0			X	Aureole (altered sediments)
98R-2, 132–133	1712.83	5C2	2	3	2	0	0	0	3	2	4	3	0	0	1			X	Aureole (altered sediments)
98R-3, 6–9	1713.07	5C2	2	3	2	0	0	0	4	3	4	0	0	0	1	Mg-chlorite		X	Aureole (altered sediments)
98R-3, 47–49	1713.48	5C2	4	0	4	2	0	0	0	0	4	4	0	0	3	Analcite, sudoite		X	Aureole (altered sediments)
98R-3, 87–88	1713.88	5C2	3	0	3	0	0	0	0	3	2	4	0	0	0	Cc nonstoichiometric		X	Aureole (altered sediments)

Table T3 (continued).

Core, section, interval (cm)	Depth (mbsf)	Lith. unit	14 Å	10 Å	7 Å	Zeo	Gt	Opal	Qtz	KFs	Pl	Cc	Dol	Sd	Py	Others	D	M	Lithology
99R-1, 123–126	1720.63	5C2	2	0	2	3	0	0	2	4	4	0	0	0	0	Augite, analcite, Mg-analcite, serpentine, magnetite, ilmenite, Mg-chlorite		X	Altered sill
99R-3, 113–114	1723.42	5C2	3	1	3	3	0	0	2	3	4	0	0	0	0	Augite, analcite, Mg-analcite, serpentine, magnetite, ilmenite, Mg-chlorite		X	Altered sill

Notes: The main results are summarized in the text. Zeo = zeolite, Gt = goethite, Qtz = quartz, KFs = K feldspar, Pl = plagioclase, Cc = calcium carbonate, Dol = dolomite, Sd = siderite, Py = pyrite. C-V-S-ML = chlorite-vermiculite-smectite mixed-layer clay. D = dominant, M = minor. 0 = not detected, 1 = barely detectable, 2 = low intensity relative to the major peak in the sample, 3 = intermediate intensity relative to major peak, 4 = major peak or intensity similar to major peak.

CHAPTER NOTE*

- N1. Williams, G.L., Boessenkool, K.P., Brinkhuis, H., Pearce, M.A., Fensome, R.A., and Weegink, J.W., unpubl. data. Upper Cretaceous–Neogene dinoflagellate cyst course: morphology, stratigraphy and (paleo)ecology [Urbino, Italy, 4–8 June, 2001].
- N2. 19 October 2004—In Table [T3](#) under the column labeled Others, the term “palygonite” incorrectly appears. In each instance it was replaced with palygorskite.

*Dates reflect file corrections or revisions.