FIGURE F-1

HIGH RESOLUTION FORAMINIFERA DISTRIBUTION CHART

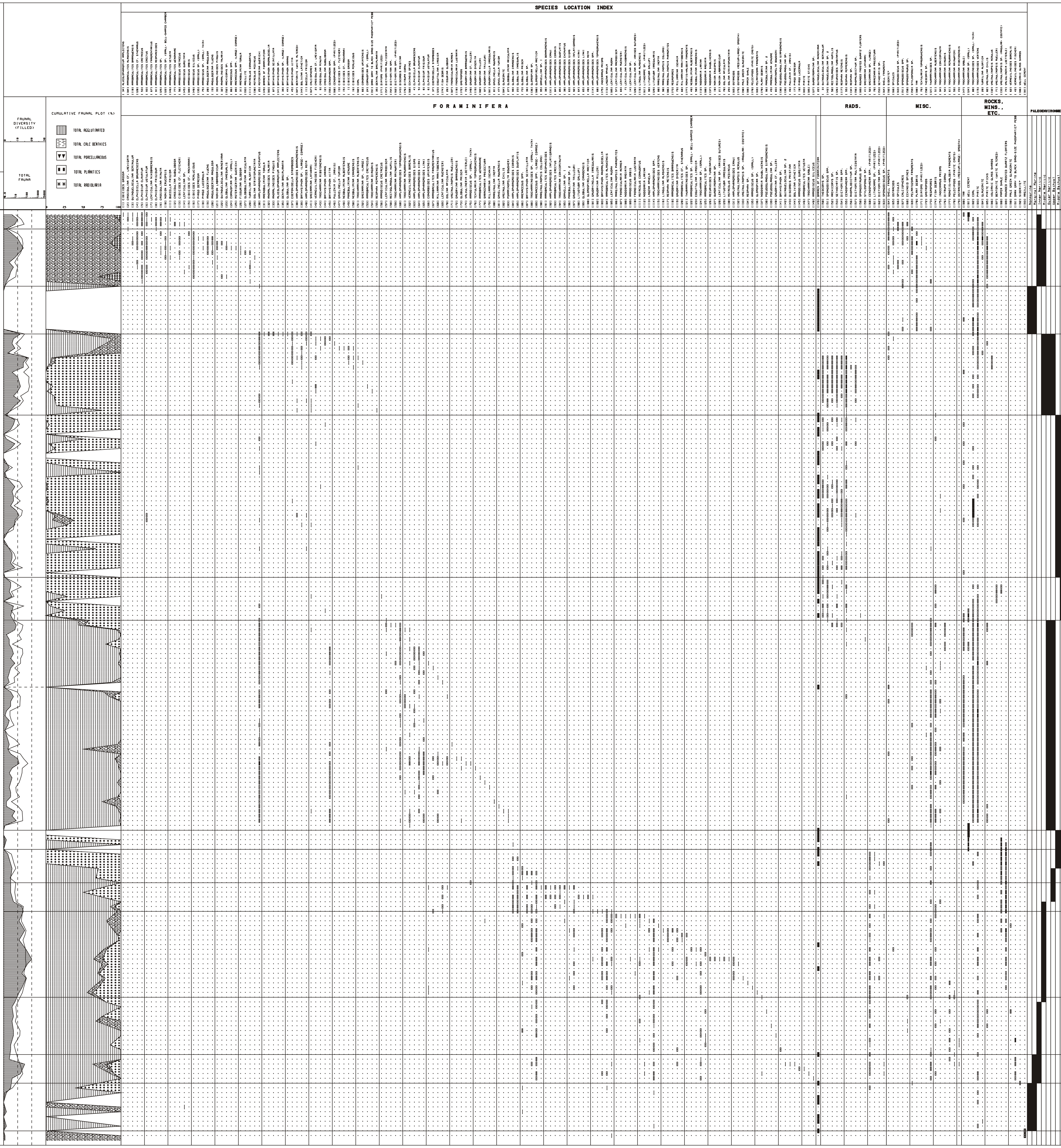
WELL NAME :EXXONMOBIL (EXXON) OCS-Y-0280 NO.1 (ANTARES)
PROJECT :DIGITAL PALEO DATABASE PROJECT
PALEONTOLOGIST :MICHAEL B. MICKEY

API NUMBER :55-232-00001
LOCATION :BEAUFORT SEA
TOTAL DEPTH :8450 FEET

BASIN :BEAUFORT SEA
COUNTY :
STATE :ALASKA

DATE :NOVEMBER 2000
PROJECT :99-111

AGE	STAGE	ZONE	SAMPLE DEPTH (FEET)
QUAT. TO TERT.	PROB. PLIOC.	PROB. F-2A(1) TO F-2A(2)	260-350
TERTIARY	EARLY TO MIDDLE MIOCENE	F-2B(2a) TO F-2B(1)	350-710
TERTIARY	INDET.	INDET.	710-1310
LATE CRETACEOUS	CAMPANIAN TO MAESTRICHTIAN	F-6 TO F-5	1310-1820
LATE CRETACEOUS	TURONIAN TO SANTONIAN	F-7 TO F-6	1820-2840
LATE CRETACEOUS	CENOM? TO TURONIAN	F-8? TO F-7	2840-3110
EARLY CRETACEOUS	MIDDLE TO LATE ALBIAN	F-10	3110-7070
EARLY CRETACEOUS	E. ALB. TO APT.?	F-11	7070-7190
EARLY CRETACEOUS	BARREM.	F-12	7190-7340
EARLY CRETACEOUS	HAUTER.	F-13a	7340-7460
LATE TRIASSIC	PROBABLE RHAETIAN	PROBABLE F-19a	7460-7815 C
LATE TRIASSIC	NORIAN	F-19b	7815-8055 C
LATE TRIASSIC	POSSIBLE CARNIAN	F-19c?	8055-8174 C
EARLY TRIASSIC	UNDIFF.	F-20a	8174-8390
INDET.	INDET.	(Argill.)	8390-8450



SAMPLE DEPTH (FEET)	WASHED LITHOLOGY DESCRIPTION
260-290	GRAY FINE GRAINED SANDSTONE OR SANDY MUDSTONE
290-320	GRAY FINE TO MEDIUM GRAINED SANDSTONE OR SANDY MUDSTONE
320-350	BROWNISH-GRAY FINE GRAINED SANDSTONE OR SANDY MUDSTONE
350-380	BROWNISH-GRAY FINE GRAINED SANDSTONE OR SANDY MUDSTONE
380-410	DARK BROWNISH-GRAY PYRITIC SANDY MUDSTONE OR SHALE
410-440	DARK BROWNISH-GRAY PYRITIC SANDY MUDSTONE OR SHALE
440-470	DARK BROWN-GRAY PYRITIC SANDY ORGANIC-RICH MUDSTONE OR SHALE
470-500	DARK BROWNISH-GRAY PYRITIC SANDY SHALE
500-530	BROWNISH-GRAY SLIGHTLY SANDY SHALE
530-560	BROWNISH-GRAY SLIGHTLY SANDY SHALE
560-590	DARK BROWNISH-GRAY SLIGHTLY SILTY SHALE
590-620	DARK BROWNISH-GRAY SLIGHTLY SILTY SHALE
620-650	DARK BROWNISH-GRAY SLIGHTLY SILTY SHALE
650-680	DARK BROWNISH-GRAY SLIGHTLY SILTY SHALE
680-710	BROWNISH-GRAY FINE GRAINED SANDSTONE OR SANDY SHALE
710-800	BROWNISH-GRAY FINE TO MEDIUM GRAINED SANDSTONE
800-890	BROWNISH-GRAY MEDIUM TO COARSE GRAINED SANDSTONE
890-980	BROWNISH-GRAY MEDIUM TO COARSE GRAINED SANDSTONE
980-1070	GRAY FINE TO MEDIUM GRAINED SANDSTONE
1070-1160	BROWNISH-GRAY FINE GRAINED MUDDY SANDSTONE
1160-1190	BROWNISH-GRAY FINE GRAINED MUDDY SANDSTONE
1190-1220	BROWNISH-GRAY SANDY SILTY SHALE
1220-1250	BROWNISH-GRAY FINE GRAINED COALY SANDSTONE
1250-1280	BROWNISH-GRAY FINE GRAINED COALY SANDSTONE
1280-1310	DARK BROWNISH-GRAY FINE TO MEDIUM GRAINED PYRITIC SDST
1310-1340	GRAY PYRITIC SANDY SHALE
1340-1370	BROWNISH-GRAY SLIGHTLY SANDY SHALE
1370-1400	BROWNISH-GRAY SLIGHTLY SANDY SHALE
1400-1430	BROWNISH-GRAY SILTY SHALE
1430-1460	BROWNISH-GRAY SILTY SHALE
1460-1490	DARK BROWNISH-GRAY SLIGHTLY SANDY SHALE
1490-1520	MOTTLED LIGHT AND DARK BROWN BENTONITIC SHALE
1520-1550	MOTTLED LIGHT AND DARK BROWN BENTONITIC SHALE
1550-1580	BLACK SHALE
1580-1610	BROWNISH-GRAY BENTONITIC SHALE
1610-1640	BROWNISH-GRAY BENTONITIC SHALE
1640-1670	GRAY SHALE
1670-1700	GRAY SHALE
1700-1730	BROWNISH-GRAY BENTONITIC SHALE
1730-1760	MEDIUM TO DARK BROWNISH-GRAY BENTONITIC SHALE
1760-1790	LIGHT BROWNISH-GRAY BENTONITIC SHALE
1790-1820	LIGHT BROWNISH-GRAY BENTONITIC SHALE
1820-1850	BROWNISH-GRAY BENTONITIC SHALE
1850-1880	BROWNISH-GRAY BENTONITIC SHALE
1880-1910	MEDIUM TO DARK BROWNISH-GRAY BENTONITIC SHALE
1910-1940	BROWNISH-GRAY BENTONITIC SHALE
1940-1970	MEDIUM TO DARK BROWN BENTONITIC SHALE
1970-2000	GRAY BENTONITIC SHALE
2000-2030	BROWNISH-GRAY VERY FINE TO FINE GRAINED WELL CEMENTED SDST
2030-2060	MEDIUM TO DARK BROWNISH-GRAY BENTONITIC SHALE
2060-2090	MEDIUM TO DARK BROWN SILTY BENTONITIC SHALE
2090-2120	MEDIUM TO DARK BROWN SILTY BENTONITIC SHALE
2120-2150	MEDIUM TO DARK BROWNISH-GRAY BENTONITIC SHALE
2150-2180	BROWNISH-GRAY SILTSTONE OR SILTY SHALE
2180-2210	BROWNISH-GRAY BENTONITIC SHALE
2210-2240	BROWNISH-GRAY BENTONITIC SHALE
2240-2270	MEDIUM TO DARK BROWNISH-GRAY BENTONITIC SHALE
2270-2300	MEDIUM TO DARK BROWNISH-GRAY BENTONITIC SHALE
2300-2330	MEDIUM TO DARK BROWNISH-GRAY BENTONITIC SHALE
2330-2360	DARK GRAY VERY FINE TO FINE GRAINED SANDSTONE
2360-2390	DARK GRAY VERY FINE TO FINE GRAINED SANDSTONE
2390-2420	DARK GRAY FINE GRAINED SANDSTONE
2420-2450	DARK GRAY FINE GRAINED SANDSTONE
2450-2480	DARK GRAY VERY FINE TO FINE GRAINED SANDSTONE
2480-2510	DARK GRAY VERY FINE GRAINED SANDSTONE
2510-2540	DARK GRAY FINE GRAINED SANDSTONE
2540-2570	DARK GRAY VERY FINE TO FINE GRAINED SANDSTONE
2570-2600	DARK GRAY FINE GRAINED SANDSTONE
2600-2630	DARK GRAY VERY FINE GRAINED SANDSTONE
2630-2660	DARK GRAY VERY FINE GRAINED SANDSTONE
2660-2690	BROWNISH-GRAY SLIGHTLY SILTY BENTONITIC SHALE
2690-2720	BROWNISH-GRAY SLIGHTLY SILTY BENTONITIC SHALE
2720-2750	BROWNISH-GRAY BENTONITIC SHALE
2750-2780	BROWNISH-GRAY SLIGHTLY SILTY BENTONITIC SHALE
2780-2810	BROWNISH-GRAY BENTONITIC SHALE
2810-2840	MEDIUM TO DARK BROWNISH-GRAY BENTONITIC SHALE
2840-2870	BROWNISH-GRAY SLIGHTLY SILTY BENTONITIC SHALE
2870-2900	MEDIUM TO LIGHT BROWNISH-GRAY BENTONITIC SHALE
2900-2930	MEDIUM TO DARK BROWNISH-GRAY BENTONITIC SHALE
2930-2960	BROWNISH-GRAY BENTONITIC SHALE WITH FILLED FRACTURES
2960-2990	BROWNISH-GRAY BENTONITIC SHALE
2990-3020	MEDIUM TO DARK GRAY BENTONITIC SHALE
3020-3050	BROWNISH-GRAY SLIGHTLY SILTY BENTONITIC SHALE
3050-3080	BROWNISH-GRAY BENTONITIC SHALE
3080-3110	BROWNISH-GRAY BENTONITIC SHALE
3110-3200	BROWNISH-GRAY SLIGHTLY SANDY SHALE
3200-3290	DARK BROWNISH-GRAY PYRITIC SILTY SHALE
3290-3380	BROWNISH-GRAY IRON-STAINED SILTY PHOSPHATIC? SHALE
3380-3470	BROWNISH-GRAY SLIGHTLY SILTY SHALE
3470-3560	BROWNISH-GRAY PHOSPHATIC? SHALE
3560-3650	MEDIUM TO DARK BROWN PHOSPHATIC? SHALE
3650-3740	MEDIUM TO DARK BROWN IRON-STAINED PHOSPHATIC? SHALE
3740-3830	DARK BROWNISH-GRAY FINE GRAINED SHALY SANDSTONE
3830-3920	BROWNISH-GRAY SANDY SHALE
3920-4010	BROWNISH-GRAY SILTY SHALE
4010-4100	MEDIUM TO DARK BROWNISH-GRAY SHALE
4100-4190	MEDIUM TO DARK BROWNISH-GRAY SLIGHTLY SANDY SHALE
4190-4280	MEDIUM TO DARK BROWNISH-GRAY SLIGHTLY SANDY SHALE
4280-4370	BROWNISH-GRAY SLIGHTLY SANDY SHALE
4370-4460	DARK BROWNISH-GRAY SANDY SHALE
4460-4550	DARK BROWNISH-GRAY COALY SANDY SHALE
4550-4640	DARK BROWNISH-GRAY COALY SANDY SHALE
4640-4730	DARK BROWNISH-GRAY COALY SANDY SHALE
4730-4820	DARK BROWNISH-GRAY COALY SANDY SHALE
4820-4910	BROWNISH-GRAY SLIGHTLY SANDY PYRITIC SILTY SHALE
4910-5000	BROWNISH-GRAY SLIGHTLY SANDY PYRITIC SILTY SHALE
5000-5090	BROWNISH-GRAY VERY FINE GRAINED SDST OR SILTSTONE
5090-5180	BROWNISH-GRAY VERY FINE GRAINED SDST OR SILTSTONE
5180-5270	BROWNISH-GRAY VERY FINE GRAINED SANDSTONE
5270-5360	BROWNISH-GRAY VERY FINE GRAINED SANDSTONE
5360-5450	BROWNISH-GRAY VERY FINE GRAINED SANDSTONE
5450-5540	DARK BROWNISH-GRAY SILTY SHALE
5540-5630	DARK BROWNISH-GRAY SILTSTONE OR SILTY SHALE
5630-5720	DARK BROWNISH-GRAY COALY SILTY SHALE
5720-5810	DARK BROWNISH-GRAY SANDY SHALE
5810-5900	DARK BROWNISH-GRAY SANDY SHALE
5900-5990	DARK GRAY SILTY SHALE
5990-6080	DARK GRAY SILTY SHALE
6080-6170	DARK BROWNISH-GRAY SLIGHTLY SANDY SHALE
6170-6260	DARK BROWNISH-GRAY SLIGHTLY SANDY SHALE
6260-6350	DARK GRAY SLIGHTLY SILTY ORGANIC-RICH SHALE
6350-6440	DARK GRAY SLIGHTLY SILTY ORGANIC-RICH SHALE
6440-6530	DARK GRAY SLIGHTLY SILTY ORGANIC-RICH SHALE
6530-6620	DARK GRAY SANDY ORGANIC-RICH SHALE
6620-6710	DARK GRAY SLIGHTLY SANDY ORGANIC-RICH SHALE
6710-6800	DARK GRAY SLIGHTLY SANDY ORGANIC-RICH SHALE
6800-6890	DARK GRAY SANDY ORGANIC-RICH SHALE
6890-6980	DARK GRAY SANDY ORGANIC-RICH SHALE
6980-7070	WELL CEMENT-LITHOLOGY?
7070-7100	WELL CEMENT-LITHOLOGY?
7100-7130	WELL CEMENT-LITHOLOGY?
7130-7160	BLACK PAPER SHALE
7160-7190	BLACK SLIGHTLY SANDY PAPER SHALE
7190-7220	BLACK SLIGHTLY SANDY PAPER SHALE
7220-7250	DARK BROWN TO BLACK SLIGHTLY SANDY PAPER SHALE
7250-7277.2 C	DARK BROWN TO BLACK SLIGHTLY SANDY PAPER SHALE
7250-7280	DARK BROWN TO BLACK BENTONITIC AND PAPER SHALE
7280-7310	DARK GRAY TO BLACK SANDY SHALE
7280-7327 C	DARK BROWN TO BLACK BENTONITIC AND PAPER SHALE
7310-7340	DARK BROWN TO BLACK BENTONITIC AND PAPER SHALE
7340-7370	DARK BROWN TO BLACK SANDY SHALE
7340-7398.3 C	DARK GRAY TO BLACK SLIGHTLY SANDY SHALE
7370-7400	DARK BROWN TO BLACK SANDY SHALE
7399-7459.7 C	DARK GRAY TO BLACK SANDY SHALE
7400-7430	DARK GRAY TO BLACK SANDY SHALE
7430-7460	DARK BROWN TO BLACK SANDY SHALE
7460-7490	DARK BROWN TO BLACK SHALE
7460-7519 C	GRAY SILTSTONE OR SILTY SHALE
7490-7520	DARK BROWN TO BLACK SHALE
7519-7579 C	GRAY SHALE AND BROWN VERY FINE TO FINE GRAINED SUCROSIC SDST
7520-7550	DARK BROWN TO BLACK SHALE
7550-7580	DARK BROWNISH-GRAY FINE GRAINED SUCROSIC SANDSTONE
7580-7610	DARK BROWNISH-GRAY FINE GRAINED SUCROSIC SANDSTONE
7580-7639.6 C	BROWN VERY FINE TO FINE GRAINED SUCROSIC SANDSTONE
7610-7640	BROWN VERY FINE TO FINE GRAINED SUCROSIC SANDSTONE
7639-7696.7 C	MEDIUM TO LIGHT GRAY SLIGHTLY SILTY SHALE
7640-7670	DARK BROWN TO BLACK SANDY SILTY SHALE
7670-7700	DARK BROWN TO BLACK SANDY SILTY SHALE
7699-7749 C	MEDIUM TO DARK GRAY SHALE
7700-7730	DARK GRAY TO BLACK SHALE
7730-7760	DARK GRAY TO BLACK SHALE
7755-7815 C	MEDIUM TO DARK GRAY SHALE
7760-7790	DARK GRAY SANDY SHALE
7790-7820	MEDIUM TO DARK BROWN SANDY SILTY SHALE
7815-7875 C	BROWNISH-GRAY SHELLY SHALE
7820-7850	MEDIUM TO DARK GRAY SHALE
7850-7880	MEDIUM TO DARK GRAY SHALE
7875-7935 C	BROWNISH-GRAY SILTSTONE
7880-7910	LIGHT AND DARK GRAY TO BLACK SHALE
7910-7940	LIGHT AND DARK GRAY TO BLACK SHALE
7935-7993 C	BROWNISH-GRAY SILTSTONE
7940-7970	LIGHT AND DARK GRAY TO BLACK SHALE
7970-8000	LIGHT TO DARK GRAY SILTY SHALE
7995-8055 C	MEDIUM TO DARK BROWN PEBBLY SHELLY LIMESTONE
8000-8030	MEDIUM TO DARK GRAY SHALE AND TAN LIMESTONE
8030-8060	BUFF TAN LIMESTONE
8055-8109 C	MEDIUM TO DARK BROWN SILTSTONE AND SHALE
8060-8090	BUFF TAN SLIGHTLY SANDY LIMESTONE
8090-8120	LIGHT GRAY VERY FINE GRAINED PEBBLY SANDSTONE OR SILTSTONE
8114-8174 C	DARK BROWN SILTY SHALE
8120-8150	DARK BROWN SILTY SHALE
8150-8180	GRAY VERY FINE GRAINED RECRYSTALLIZED SDST OR SILTSTONE
8174-8233 C	BUFF TAN AND WHITE FINE GRAINED RECRYSTALLIZED SANDSTONE
8180-8210	LIGHT BROWNISH-GRAY FINE GRAINED RECRYSTALLIZED SANDSTONE
8210-8240	LIGHT BROWNISH-GRAY FINE GRAINED RECRYSTALLIZED SANDSTONE
8234-8284 C	BUFF TAN FINE TO M GR RECRYST SDST & DARK RED HEMATITIC SHALE
8240-8270	LIGHT GRAY FINE TO MEDIUM GRAINED RECRYSTALLIZED SANDSTONE
8270-8300	LIGHT GRAY FINE TO MEDIUM GRAINED RECRYSTALLIZED SANDSTONE
8300-8330	LIGHT GRAY TO WHITE FINE GRAINED RECRYSTALLIZED SANDSTONE
8330-8360	LIGHT GRAY TO WHITE FINE GRAINED RECRYSTALLIZED SANDSTONE
8358-8379 C	DRK BRN F GR OIL STND? RECRYST SDST & LGT GR-GRY ARG OR PHYLL
8360-8390	LIGHT GRAY FINE GRAINED RECRYSTALLIZED SANDSTONE
8390-8420	DARK GRAY TO BLACK ARGILLITE
8420-8450	DARK GRAY TO BLACK ARGILLITE