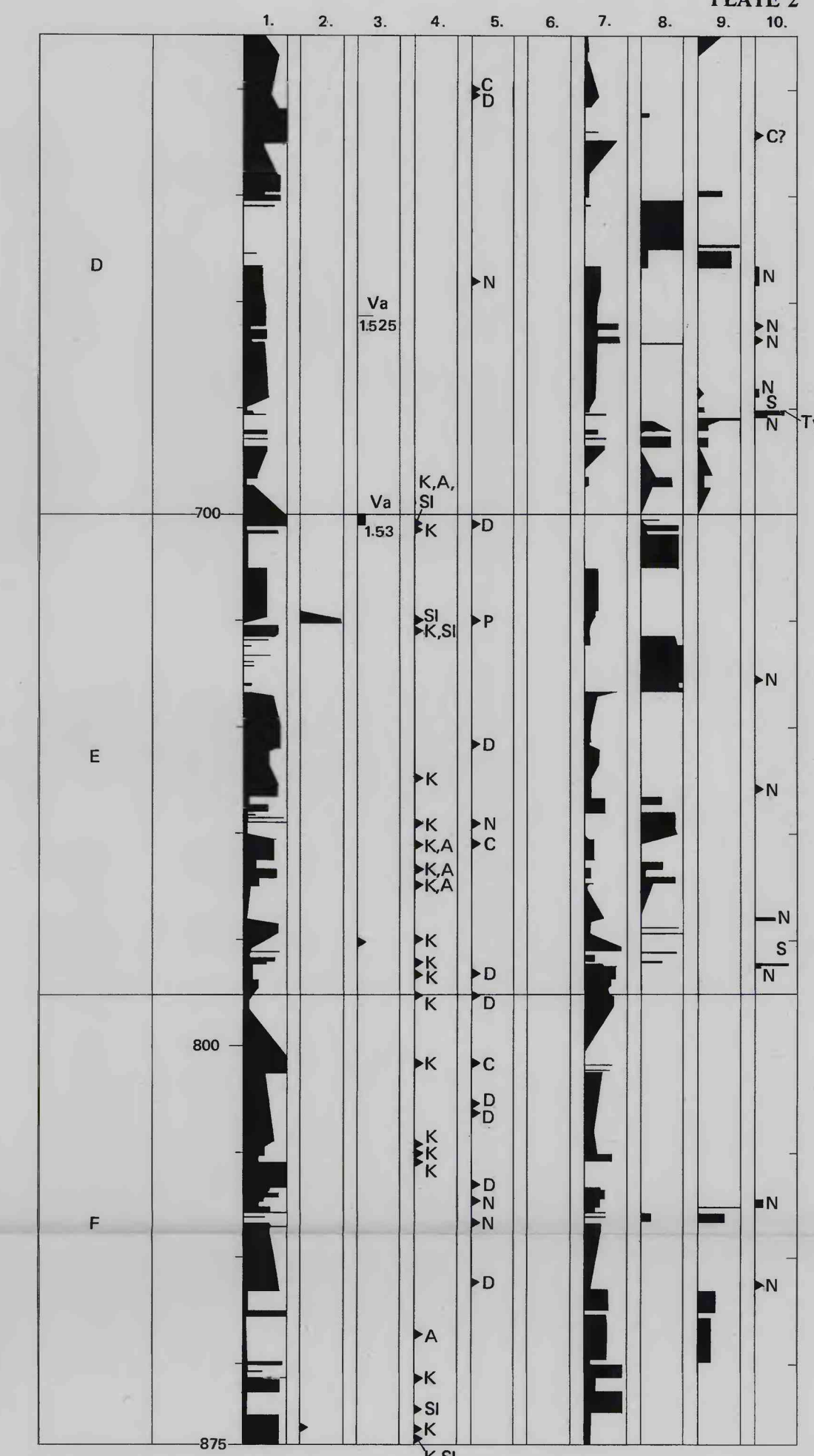
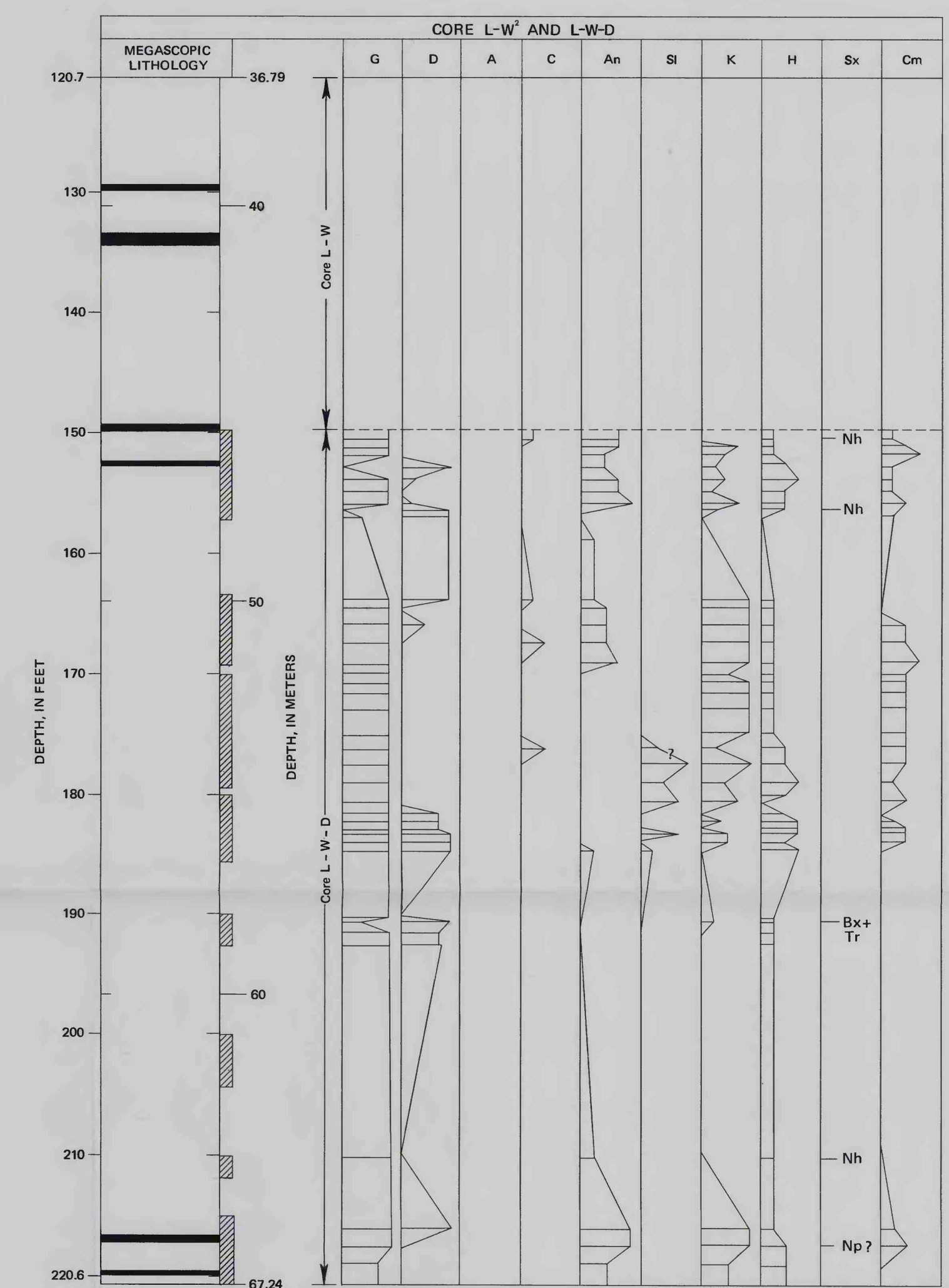
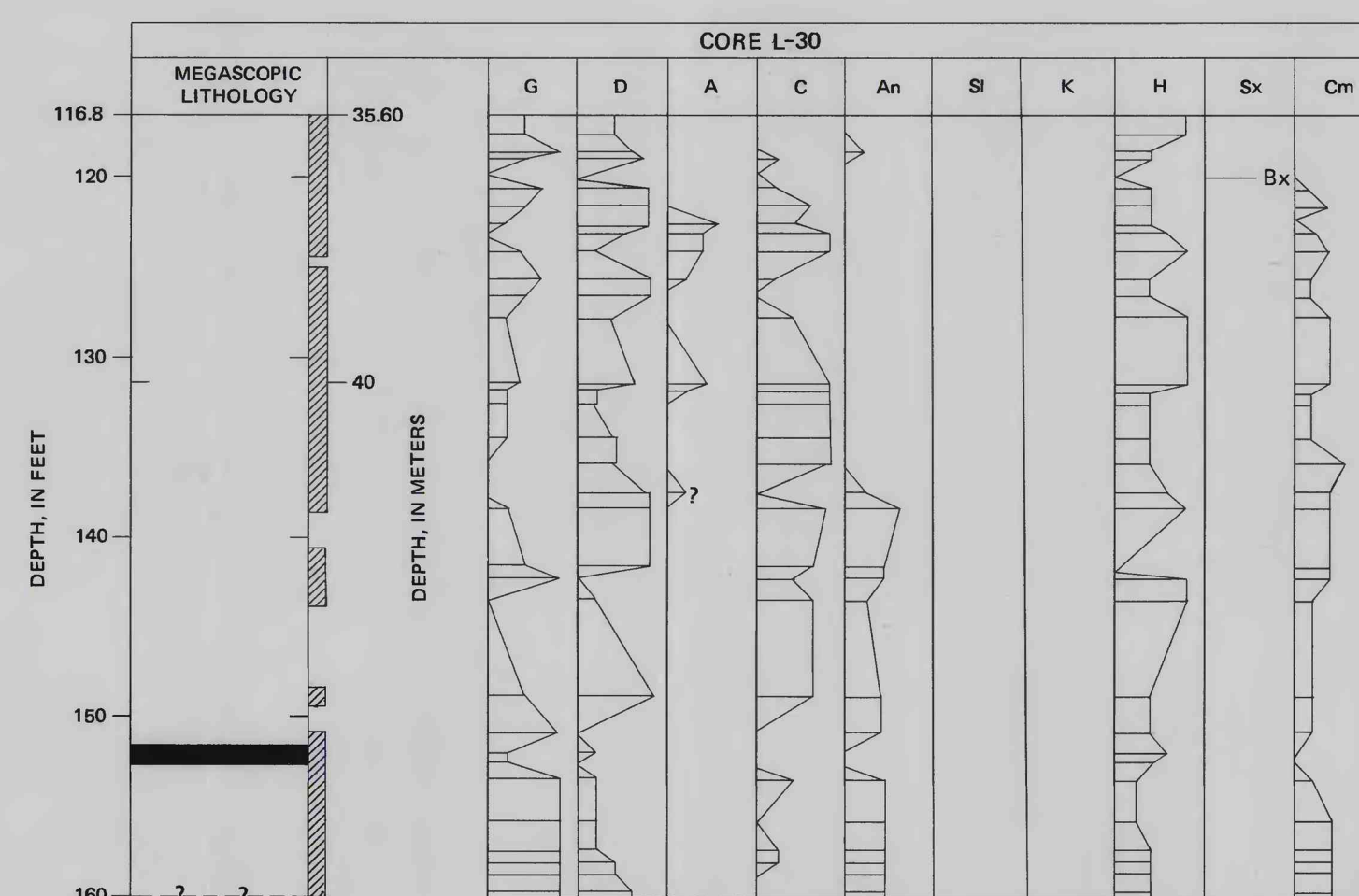
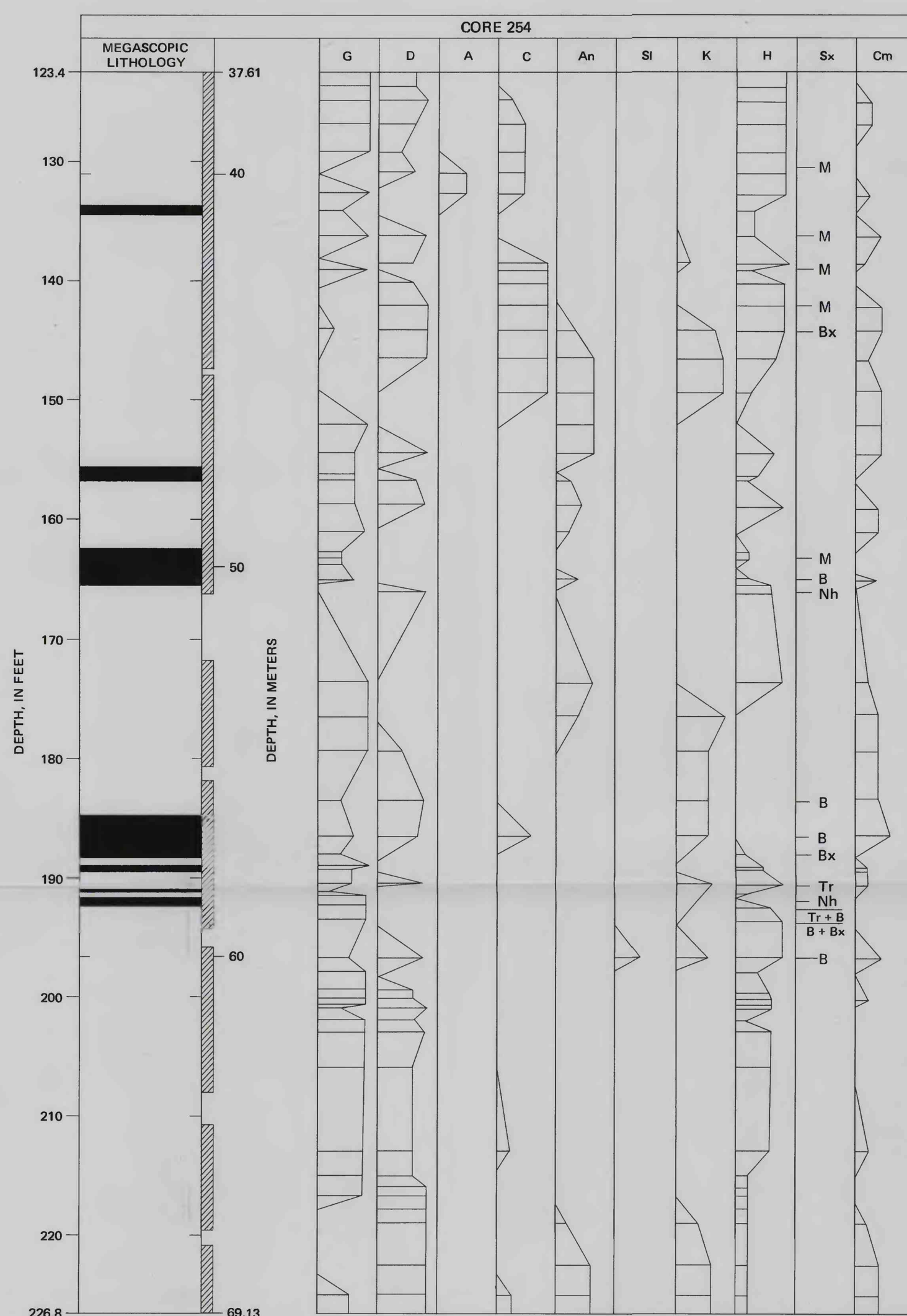


EXPLANATION
 A Analcime
 B Burkeite
 C Calcite
 D Dolomite
 K K-feldspar
 N Northupite
 n Nahcolite
 P Pirssonite
 S Sulfahalite
 SI Searlesite
 Th Thenardite
 Ty Tychite
 t Trona
 Va Volcanic ash (with index of refraction)



A. - VOLUME PERCENTAGES OF COMPONENTS IN MIXED LAYER OF CORE L-W-D. PLOTTED WITH HORIZONTAL WIDTHS OF BARS PROPORTIONAL TO ESTIMATED PERCENTAGES OF COMPONENT; FULL WIDTH OF COLUMN REPRESENTS 100 PERCENT; TRIANGULAR TICKS, TRACE TO MINOR AMOUNTS. PERCENTAGES IN LAST CORE SEGMENTS AVERAGED GRAPHICALLY BETWEEN OVERLYING AND UNDERLYING RECOVERED CORES

*Percentage indicated is of trona unless labeled as "n" for nahcolite; "tn" indicates mixture of trona and nahcolite.



EXPLANATION
 Salines
 Includes pure nahcolite or mirabilite beds and zones of alternating salines and muds
 Mud
 Segment of core recovered
 Estimated abundance from X-ray charts
 Trace to doubtful component
 Minor to trace component
 Intermediate to minor component
 Major component
 Abbreviations
 G Gaylussite
 D Dolomite
 A Aragonite
 C Calcite
 An Analcime
 SI Searlesite
 K K-feldspar
 H Halite
 Sx Salts in minor amounts (M, mirabilite;¹ Bx, borax;² Np, northupite; Nh, nahcolite; B, burkeite; Tr, trona)
 Cm Clastic minerals (mostly quartz, plagioclase, mica)

B. - VERTICAL VARIATION IN ABUNDANCE OF COMPONENTS IN THREE CORES OF BOTTOM MUD

¹ Presumed original mineral; dehydrated to thenardite and tinalconite when X-rayed.
² Samples not available for X-ray diffraction study.

© Interior - Geological Survey, Reston, Va. - 1978 - G77166