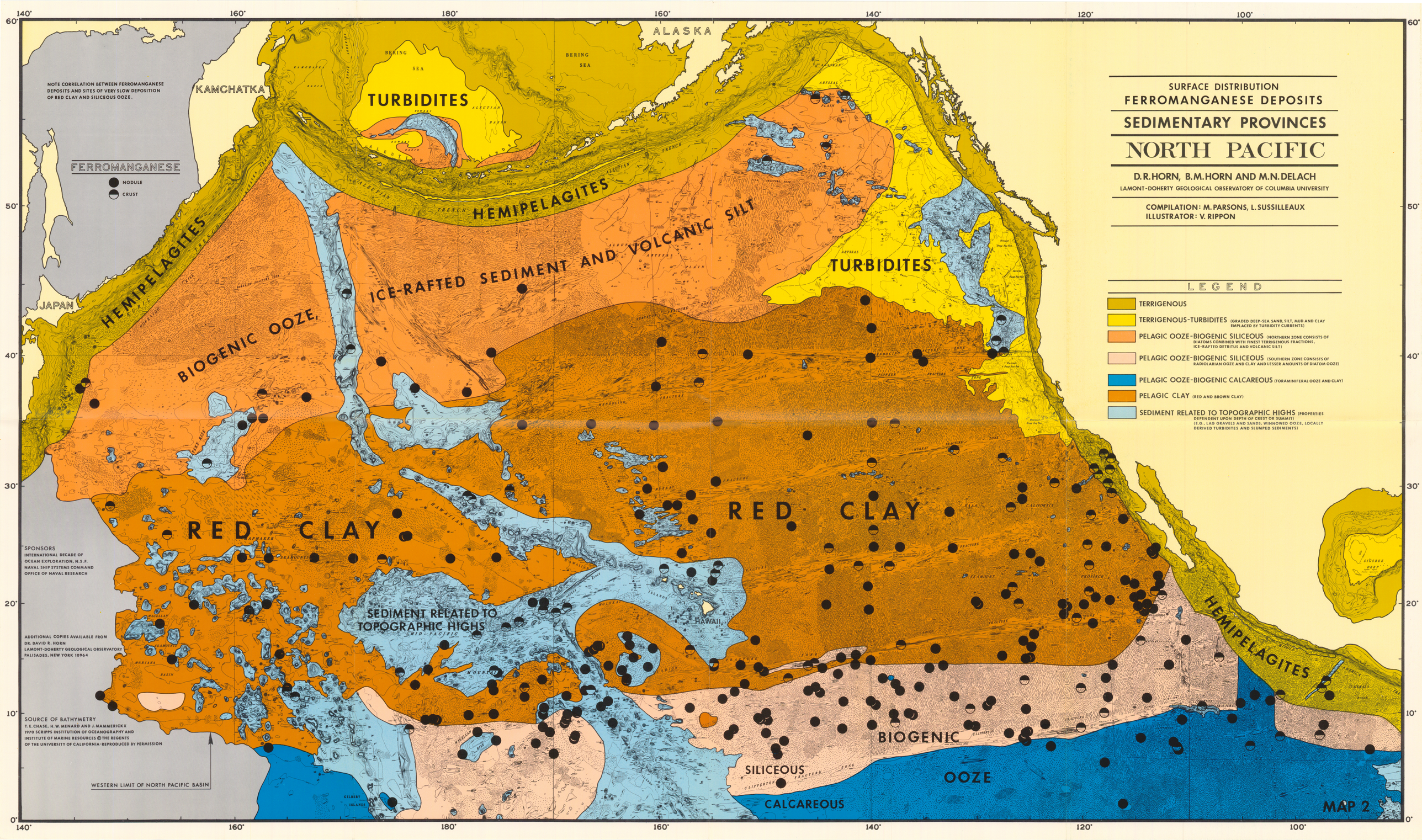
SURFACE DISTRIBUTION
FERROMANGANESE DEPOSITS
SEDIMENTARY PROVINCES
NORTH PACIFIC
D.R.HORN, B.M.HORN AND M.N.DELACH
LAMONT-DOHERTY GEOLOGICAL OBSERVATORY OF COLUMBIA UNIVERSITY
COMPILATION: M.PARSONS, L.SUSSILLEAUX
ILLUSTRATOR: V.RIPPON
LEGEND
TERRIGENOUS
TERRIGENOUS-TURBIDITES (GRADED DEEP-SEA SAND, SILT, MUD AND CLAY EMPLACED BY TURBIDITY CURRENTS)
PELAGIC OOZE-BIOGENIC SILICEOUS (NORTHERN ZONE CONSISTS OF DIATOMS COMBINED WITH FINEST TERRIGENOUS FRACTIONS, ICE-RAFTED DETRITUS AND VOLCANIC SILT)
PELAGIC OOZE-BIOGENIC SILICEOUS (SOUTHERN ZONE CONSISTS OF RADIOLARIAN OOZE AND CLAY AND LESSER AMOUNTS OF DIATOM OOZE)
PELAGIC OOZE-BIOGENIC CALCAREOUS (FORAMINIFERAL OOZE AND CLAY)
PELAGIC CLAY (RED AND BROWN CLAY)
SEDIMENT RELATED TO TOPOGRAPHIC HIGHS (PROPERTIES DEPENDENT UPON DEPTH OF CREST OR SUMMIT) (E.G., LAG GRAVELS AND SANDS, WINNOWED OOZE, LOCALLY DERIVED TURBIDITES AND SLUMPED SEDIMENTS)
NOTE CORRELATION BETWEEN FERROMANGANESE DEPOSITS AND SITES OF VERY SLOW DEPOSITION OF RED CLAY AND SILICEOUS OOZE.
FERROMANGANESE
NODULE
CRUST
ALASKA
KAMCHATKA
JAPAN
BERING SEA
TURBIDITES
HEMIPELAGITES
ICE-RAFTED SEDIMENT AND VOLCANIC SILT
BIOGENIC OOZE,
RED CLAY
SEDIMENT RELATED TO TOPOGRAPHIC HIGHS
HAWAII
BIOGENIC
SILICEOUS
CALCAREOUS
OOZE
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WESTERN LIMIT OF NORTH PACIFIC BASIN
MAP 2