PROPERTY NAME: Diatom King

MINERAL COMMODITY(IES): Diatomaceous Earth

TYPE OF DEPOSIT: bedded

ACCESSIBILITY: Adjacent to U. S. Highway 6

OWNER(SHIP): Grefco Inc., Dicalite Division (Great Lakes Carbon Corp)

PRODUCTION: medium to large

HISTORY: Mindd since 1944

DEVELOPMENT: At least 3 open pit areas, one actively producing, covers over 2,500 acres

ACTIVITY AT TIME OF EXAMINATION: Actively producing

GEOLoGY: Isolated embayment of fresh water lake bed, Miocene-Pliocene, Esmeralda Fm. shallow basin, lacustrine sediments composed of diatomite, argillaceous diatomite, calcareous diatomite, clay, sand, and volcanic ash. deposit overlies and is overlain by basaltic flows. Sample taken from non-producing pit adjacent to county line, thick bedded, dipping slightly NE,

REMARKS: Sample Site 1070

See pg 62, NBMG Bulletin 78, for a complete description of the deposit.

REFERENCES:

EXAMINER: Smith

DATE VISITED: August 4, 1982