

SOURCE

- (1) Reference to G 32.
- (2) Reference to Pa. 2nd Survey Report Q4.
- (3) Some reference to 1960 state map compilation sheet by A. S. Cote.
- (4) Dch-Dg contact modified from unpublished maps by R.E. Sherrill, C.R. Fette, and S.H. Cathcart on file in Pittsburgh office of Pa. Geol. Survey.
- (5) Validity of Dg as a mapping unit to Ohio line is based on identification of Dch-Dg contact along Conneaut Creek 2 miles east of Kingsville, Ohio, by Chadwick (1925, p. 459).

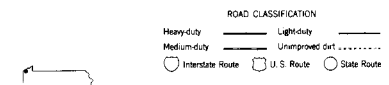
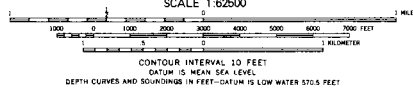
EXPLANATION

- Dch Chadakoin Fm.
- Dg Girard Shale
- Dne Northeast Shale

NOTE: Reference was made to G32 where bedrock contacts were projected beneath glacial deposits. Configuration of contacts beneath thick drift is subject to change.

REFERENCES

- Chadwick, G. H. (1925), *Chadakoin formation of Ohio*, Geological Society of America Bulletin, v. 36, p. 455-464.
- Shepp, V. C. (1969), *Glacial geology of northwestern Pennsylvania*, Pennsylvania Geological Survey, 4th ser., General Geology Report 32, 59 p.
- White, I. C. (1881), *The geology of Erie and Crawford Counties*, Pennsylvania Geological Survey, 2nd ser., Report Q4, 355 p.



Compiled by T. M. BERG, 1977

EAST SPRINGFIELD