

HALIFAX COUNTY

Sample Number
CP-35

TOPOGRAPHICAL SHEET: 11E/03

LOCATION: Shubenacadie River, approximately 60 m south of the bridge crossing the River at Milford Station. The outcrop is about 30 m from shore, on the eastern bank of the River (Fig. 40).

UTM: 465800 E
4987230 N

GEOLOGICAL UNIT: Windsor Group, Mississippian age

DESCRIPTION: Reddish-brown shale, thinly bedded and friable having a thickness of about 5.5 m. Outcrop occurs sporadically along the Shubenacadie River for about 46 m.

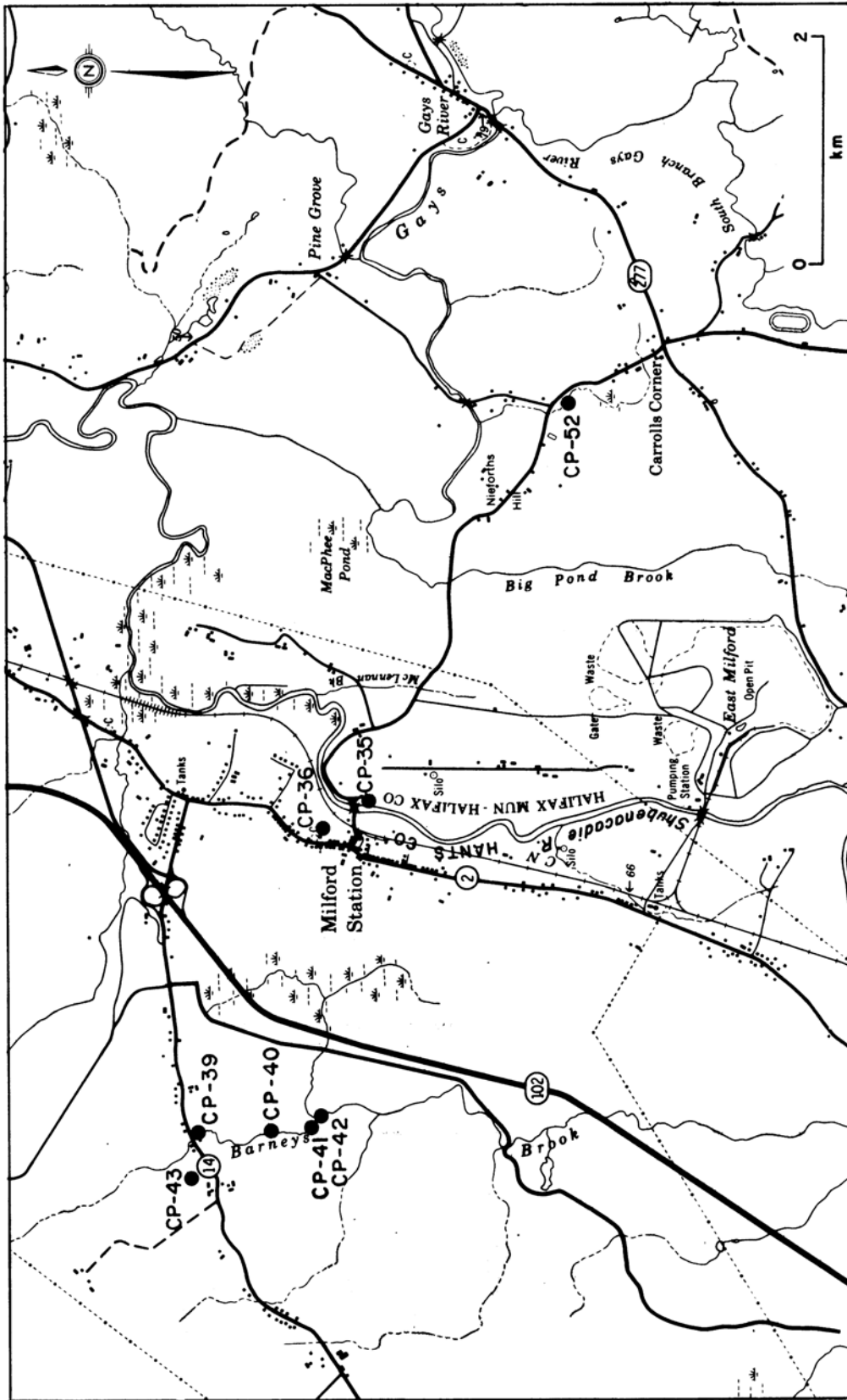
ATTITUDE OF BEDDING: 315° /17° NE**SAMPLE INTERVAL:** Channel sample across the lower 1.5 m of shale**TYPE OF MATERIAL:** Shale

UNFIRED CHARACTERISTICS: Moderate red, calcareous shale. Poor workability. Poorly plastic. Water of plasticity 16.8%. Safe drying. Air shrinkage 2.6%. Benzidine test negative.

P.C.E.: 6**FIRED CHARACTERISTICS:**

Cone No.	Fired Shrinkage %	Absorption %	Colour	Hardness
02	2.05	9.07	Moderate reddish brown	Hard
1	2.05	8.44	Moderate reddish brown	Very hard
3	2.24	7.16	Moderate reddish brown	Very hard to steel hard

POTENTIAL USES: None



Ref. Map 11-E-3 Figure 40. Location map for samples CP-35, 36, 39-43, 52 (Milford Station)

HALIFAX COUNTY

Sample Number
CP-52

TOPOGRAPHICAL SHEET: 11E/03**LOCATION:** Occurrence approximately 960 m northwest of Carrolls Corner, on the western side of the road going to Milford Station (Fig. 40).**UTM:** 469280 E
4985500 N**GEOLOGICAL UNIT:** Clay, Quaternary age**DESCRIPTION:** Two distinguishable clay horizons were exposed by digging with a shovel in the ditch. The top layer is medium grey clay, 15 cm thick, containing iron carbonates. It is underlain by mottled grey to brown clay which grades into reddish-brown clay after 80 cm of thickness. Both horizons contain some organic material.**ATTITUDE OF BEDDING:** Essentially horizontal**SAMPLE INTERVAL:** Vertical channel sample from the top 35 cm**TYPE OF MATERIAL:** Clay**UNFIRED CHARACTERISTICS:** Light brown, noncalcareous clay containing stones. Very good workability. Very plastic. Water of plasticity 24.8%. Safe drying. Air shrinkage 7.4%. Modulus of rupture 296 p.s.i. Benzidine test negative.**P.C.E.:** 8**FIRED CHARACTERISTICS:**

Cone No.	Fired Shrinkage %	Absorption %	Colour	Hardness
06	3.15	8.30	Moderate reddish orange	Hard
04	4.67	6.27	Moderate reddish brown	Steel hard
02	7.28	2.02	Moderate reddish brown	Steel hard

REMARKS: The clay seems to be quite extensive. A further investigation of the occurrence may be warranted.**POTENTIAL USES:** Earthenware, artware and structural products.