

DIATOMS OF NOVA SCOTIA: Collected by Alexander Howard MacKay, and determined, distributed and lists published by J. Tempère and H. and M. Peragallo, Paris, France, 1907-1915.—By A. H. MacKay, LL.D., F.R.S.C.

(Read by title, 26 May, 1922)

These diatomaceous deposits were collected about thirty-five years ago by me, when Principal of the Pictou Academy. The species were named and distributed in PREPARED MICROSCOPIC SLIDES by Tempère and Peragallo, and the lists were published in the second edition of "Diatomées du Monde Entier" published from 1907 to 1915 in 30 "Fascicules" of 16 pages each, descriptive of 1000 microscopic slides of diatomaceous deposits from all parts of the world. The genera and species are arranged alphabetically for the convenience of future reference to the nomenclature.

(The number in brackets indicates the Serial No. of the slide of the set of 1000 containing a sample of material from the locality named.)

#### LIST OF SPECIES.

- Achnanthisdium flexellum* Bréb. Grant Lake, Pictou Co. (374).  
*Amphora libyca* Ehr. var. ? Grant Lake (374); Maclean Pond, Pictou Co. (394) and Earltown Lake, Colchester Co. (605).  
*lineata*, var. *euglypta*. Earltown Lake, Colchester Co., (605).  
*ovalis* Ktz. Maclean Pond, Pictou Co. (394).  
*ovalis* Ktz. forma *minor*. High Pond (372); Swamp Pond (373), Pictou.  
*Cocconeis lineata* Ehr. Maclean Pond, Pictou Co. (394); Drakesville (679).  
*placentula* Ehr. Swamp Pond (373); Grant Lake (374); Drakesville (679).  
*Cyclotella Charetoni* H. & M. P. Musquodoboit Lake, Halifax Co. (879).  
*comta* Ktz. High Pond, Pictou Co. (372).

*Cyclotella*

*Temperii* F. Heri. var. ? High Pond, Pictou Co. (372);  
Maclean Pond, Pictou Co. (394).

*Terryana* Temp. & Per. Mill's Pond, Morris River (395).  
var. *major*. Mill's Pond, Morris River (395).  
var. *minor*. Mill's Pond, Morris River (395).

*Cymatopleura apiculata* W. Sm. Mill's Pond, Morris River  
(395).

*solea* W. Sm. Mill's Pond, Morris River (395).

*Cymbella arcus* Ehr. Drakesville (679).

*acutiuscula* Cl. Grant Lake, Pictou Co. (374).

*amphicephala* Naeg. Besancon's Lake, Pictou Co. (733).

*aspera* Ehr. Cornwallis (992).

*capitata* M. Per. & F. H. Heribaud. Grant Lake (374)  
and Maclean Pond, Pictou Co. (394).

*cistula* Kirch. Swamp Pond (373); Grant Lake (374);  
Maclean Pond, Pictou Co. (394); Mill's Pond, Morris  
River (395).

*cistula* Hemp. Earlton, Colchester Co. (605); Drakes-  
ville (679).

var. *crassa*. Grant Lake, Pictou Co. (374).

*cuspidata* Ktz. Mackintosh Lake, Pictou Co. (14), (15).  
forma *major* (120  $\mu$  long). Grant Lake, Pictou Co.  
(374).

*cymbiformis* Bréb. Grant Lake, Pictou Co. (374);  
Drakesville (679).

*Ehrenbergii* Ktz. Grant Lake, Pictou Co. (374); Mac-  
lean Pond, Pictou Co. (394); Earlton Lake, Col. Co.  
(605); Cornwallis, N. S. (992).

var. *crassa* (New var.). Shorter and at the extremities  
more rostrate-truncate than that figure in A. S.  
Atlas 9:7. Grant Lake, Pictou Co. (374).

*heteropleura* Ralfs. Grant Lake, Pictou Co. (374); Mac-  
lean Pond, Pictou Co. (394); Earlton Lake, Col. Co.  
(605).

var. (?) Mackintosh Lake (14), (15).

*lanceolata* Ehr. Mackintosh Lake (14 & 15); Earlton  
Lake (605).

*Cymbella*

*maculata* Ktz. Maclean Lake (394).

*naviculaeformis* Auers. Grant Lake (374).

*Diploneis elliptica* Ktz. Grant Lake (374); Maclean Pond (394).

*Smithii* Bréb. Swamp Pond, Pictou Co. (373); Grant Lake (374); Maclean Pond (394).

*Encyonema gracile* Rab. High Pond, Pictou Co. (372); Earltown Lake (605); Besancon's Lake, Pictou Co. (733); Musquodoboit Lake (879).

*lunula* Grun. High Pond, Pictou Co. (372); Earltown Lake (605).

*Mackayiana* Temp. & Peragallo. New species. Similar to the form in Atlas A. S. pl. 10, fig. 49, 50, but at the center much more developed, with striae less radiant and strongly granulated to the number of 7 on the back and 8 on the belly in 10 mu. Length 60 mu., breadth 20 mu. Mill's Pond, Morris River (395).

*turgidum* Greg. Drakesville (679).

*ventricosum* Grun. Grant Lake (374); Besancon's Lake (733); Cornwallis (992).

*Epithemia amphicephala* Grun. Maclean Pond (394).

*gibba* Ktz. Maclean Pond (394); Earltown Lake (605); Drakesville (679).

*turgida* Ktz. Grant Lake (374); Maclean Pond (394); Earltown Lake (605); Drakesville (679).

*turgida* Ktz. var. *granulata*. Grant Lake (374); Maclean Pond (394); Earltown Lake (605).

*turgida* Ktz. var. *porcellus*, forma *excavata*. Grant Lake (374).

*Westermanii* Ktz. Drakesville (679).

*Epithemia zebra* Ktz. Grant Lake (374); Maclean Pond (394); Earltown Lake (605); Drakesville (879).

*zebra* Ktz. forma *minor*. Grant Lake (374).

forma *proboscidea*. Drakesville (679).

*Eunotia arcus* Ehr. Mackintosh Lake (14, 15); High Pond (372); Grant Lake (374); Besancon's Lake (733); Cornwallis (992).

*Eunotia*

- var. *hybrida*. High Pond (372).  
 var. *uncinata*. Earltown Lake (605); Cornwallis (992).  
 var. *bidentula* W. Sm. High Pond (372); Besancon's Lake (733); Musquodoboit Lake (879).  
*diodon* Ehr. Grant Lake (374).  
*flexuosa* Bréb. var. (?) High Pond (372).  
*formica* Ehr. Mackintosh Lake (14, 15).  
*gracilis* Ehr. Mackintosh Lake (14, 15); Swamp Pond (373).  
     Rab. Mill's Pond, Morris River (395).  
     W. Sm. Besancon's Lake (733).  
     Bréb. Musquodoboit Lake (879).  
*impressa* Ehr. Grant Lake (374).  
*incisa* Greg. High Pond (372); Swamp Pond (373); Grant Lake (374); Besancon's Lake (733).  
*lunaris* Grun. High Pond (372); Maclean Pond (394); Musquodoboit Lake (879).  
     var. *bilunaris*. High Pond (372).  
*major* Rab. Mackintosh Lake (14, 15); High Pond (372); Swamp Pond (372); Grant Lake (374); Maclean Pond (394).  
*minor* V. H. Grant Lake (374); Besancon's Lake (733).  
*monodon* Ehr. Swamp Pond (373); Grant Lake (374); Maclean Pond (394); Besancon's Lake (733).  
*forma curta*. Grant Lake (374).  
*obtusiuscula* Grun. var. *incisa* Grun. Besancon's Lake (733).  
*pectinalis* Rab. High Pond (372); Besancon's Lake (733).  
     var. *undulata*. High Pond (372); Besancon's (733).  
         *venter* (?) Grant Lake (374); Besancon's (733)  
         *ventricosa*. High Pond (372).  
         *pentaglyphis* Ehr. Swamp Pond (373).  
         *praerupta* Ehr. Cornwallis (992).  
         *bidens*. Cornwallis (992).  
*robusta* (Ehr). Ralfs. Mackintosh Lake (14,15) High Pond (372).

*Eunotia*

- var. (?) Musquodoboit Lake (879).  
 var. *diadema*. Mackintosh Lake (14, 15).  
 var. *hexadon*. High Pond (372); Besancon's (733).  
 var. *octagon*. Swamp Pond, Pictou Co. (373).  
 var. *polydon*. Mackintosh Lake (14, 15); Swamp Pond (373); Grant Lake (374); Besancon's Lake (733).

*Fragilaria capucina* Desmaz. var. *mesoleia*. Drakesville (679).

- construens* Grun. var. *binodis*. Drakesville (679).  
 var. *genuina*. Drakesville (679).  
*virescens* Ralfs. Besancon's Lake (733).  
*undata* W. Sm. Besancon's Lake (733).

*Gomphonema acuminatum* Ehr. Grant Lake (374); Maclean Pond (394); Earltown Lake (605); Drakesville (679).

- var. *coronatum*. Earltown Lake (605).  
 var. *intermedia*. Grant Lake (374).  
 var. *pusilla*. Grant Lake (374); Maclean Pond (394).  
 var. *trigonocephala*. Maclean Pond (394).  
 var. *Augur*. Maclean Pond (394).  
*Brebissonii* Ktz. Cornwallis (992).  
*capitatum* Ehr. High Pond (372); Maclean Pond (394); Drakesville (679).  
*constrictum* Ehr. Grant Lake (374); Maclean Pond (394); Mill's Pond (395); Earltown Lake (605); Drakesville (679).  
*gracile* Ehr. Cornwallis (992).  
 var. *Atlas*. A. S. 236:31. High Pond (372).  
*intricatum* Ktz. Grant Lake (374); Drakesville (679); Cornwallis (992).  
*montanum* Schum. Cornwallis (992).  
 var. *succisa*. Grant Lake (374); Maclean (394).  
*parvulum* Ktz. High Pond (372).

*Gomphonema turris* Ehr. Drakesville (679).

*Hantzschia amphioxys* Grun. var. *elongata*. Earltown Lake (605).

- Melosira arenaria* Moore. Earltown Lake (605).  
*crenulata* Ktz. Grant Lake (374); Besancon's (733);  
 Cornwallis (992).  
 var. *Jonensis*. Earltown Lake (605).  
*granulata* Ralfs. Swamp Pond (373); Grant Lake (374).  
*lineolata* Grun. Cornwallis (992).  
*tenuis* Ktz. Maclean Pond (394); Besancon's Lake  
 (733).
- Navicula acrospheria* Breb. Mill's Pond (395).  
 var. *dilatata*. Maclean Pond (394).  
*affinis* Ehr. High Pond (372); Grant Lake (374); Besan-  
 con's (733).  
 var. *amphirhynchus*. Grant Lake (374); Besan-  
 con's (733).  
*Americana* Ehr. var. *bacillaris*. Grant Lake (374); Mac-  
 lean (394).  
*amphigomphus* Ehr. Mackintosh Lake (14, 15); High  
 Pond (372); Swamp Pond (373); Drakesville (679);  
 Besancon's Lake (733); Musquodoboit Lake (879).  
*amphirhynchus* Ehr. Grant Lake (374); Maclean Pond  
 (394); Earltown Lake (605).  
 forma *curta*. Grant Lake (374).  
*amphisbaena* Borz. MacLean Pond (394).  
*ampliata* Ehr. Earltown Lake (605).  
*bacilliformis* Grun. Grant Lake (374); Maclean Pond  
 (394).  
*biceps* Greg. var. *stauroneiformis*. Besancon's Lake  
 (733).  
*bisulcata* Lag. Swamp Pond (373); Besancon's Lake  
 (733).  
*Bogolensis* Grun. Besancon's Lake (733).  
*borealis* Ehr. Cornwallis (992).  
*Braunii* Grun. Grant Lake (374); Maclean (394);  
 Mill's Pond (395).  
*Brebissonii* Ktz. Mackintosh (14, 15); High Pond (372);  
 Besancon's Lake (733); Musquodoboit Lake (879).  
 var. *diminuta* Musquodoboit Lake (879)

*Navicula*

- cardinalis* Cl. Grant Lake (374); Maclean Pond (394).  
var. (?) B. Kitt. Earltown Lake (605).
- columnaris* Ehr. Swamp Pond (373); Maclean Pond (394).
- commutata* Grun. Grant Lake (374); Musquodoboit Lake (879); Cornwallis (992).
- costata* Ehr. Grant Lake (374).
- conspicua* A. S. Swamp Pond (373).
- cuspidata* Ktz. High Pond (372); Grant Lake (374); Maclean (394); Mill's Pond (395); Earltown (605); Drakesville (679).  
var. *gracilis* M. Per. (With all the characters of *N. cuspidata* but more slender or delicate, with striae stronger—13 in 10 mu. Found also with the craticular form which confirms this determination—1911). In Earltown Lake (605).
- Dactylis* Ehr. Mackintosh Lake (14, 15).  
Ktz. Swamp Pond (373); Grant Lake (374); Maclean (373); Musquodoboit Lake (879).
- Dariana* A. S. (Adolph Schmidt). Mill's Pond (395).
- decurrens* Ktz. Besancon's Lake (733).
- dicephala* Ehr. var. (?) Maclean Pond (394).
- dilatata* Ehr. Mackintosh Lake (14, 15); High Pond (372); Swamp Pond (373); Maclean Pond (394); Cornwallis (992).
- divergens* W. Sm. High Pond (372); Grant Lake (374); Maclean Pond (394); Cornwallis (992).
- dubia* Greg. High Pond (372).
- elliptica* Ehr. Mackintosh Lake (14, 15); Earltown Lake (605).
- esox* Ehr. Grant Lake (374).  
Ktz. Mill's Pond (395).
- extima* Cl. Swamp Pond (373).
- firma* Ktz. High Pond (372); Grant Lake (374); Maclean Pond (394); Earltown (605); Besancon's (733); Cornwallis (992).  
var. *subampliata*. Maclean Pond (394); Mill's Pond (395).

*Nauticula, firma*

var. *subundulata*. High Pond (372).

*flexuosa* Cl. Grant Lake (374); Maclean Pond (394).

*foliis* Ehr. Grant Lake (374).

*fusca* Pritch. Earltown Lake (605).

*gentilis* Donk. Maclean Pond (394); Cornwallis (992).

*gibba* Ehr. High Pond, Pictou Co. (372).

Ktz. Swamp Pond, Pictou Co. (373).

" Grant Lake, Pictou Co. (374).

" Maclean Pond, Pictou Co. (394).

" Earltown Lake, Col. Co. (605).

" Besancon's Lake, Pictou (733).

" Cornwallis (992).

*gigas* Ehr. Mackintosh Lake (14 & 15).

" High Pond (372).

Ktz. Swamp Pond (373).

" Grant Lake (374).

Ehr. Earltown Lake (605).

Ktz. Besancon's Lake (733).

" Musquodoboit Lake (879).

Ehr. Cornwallis (992).

*hemiptera* Ktz. Grant Lake (374); Maclean Pond (394);

Besancon's Lake (733); Cornwallis (992).

*heroina* A. S. Musquodoboit Lake (879).

*Hitchcockii* Ehr. Grant Lake (374); Maclean Pond (394); Earltown Lake (605).

*interrupta* W. Sm. Mill's Pond, Morris River (395).

*tridis* Ehr. High Pond (372); Grant Lake (374); Besancon's Lake (733); Musquodoboit Lake (879).

var. *ampliata*. Swamp Pond (373); Grant Lake (374); Maclean Pond (394); Besancon's (733).

*Legendrei* F.H. & M. Per. Grant Lake, Pictou Co. (374).

*legumen* Ehr. Swamp Pond (373); Grant Lake (374); Maclean Pond (394).

Ktz. Mill's Pond, Morris River (395).



*Navicula*

- limosa* Ktz. Grant Lake (374); Maclean Pond (394); Mill's Pond (395); Earltown Lake (605); Drakesville (679).  
 var. *gibberula*. Swamp Pond (373); Earltown (605).
- lineolata* Ehr. Besancon's Lake, Pictou County (733).
- macilenta* Ehr. High Pond (372); Swamp Pond (373); Maclean (394); Mill's Pond (395); Musquodoboit Lake (879).  
 Grun Besancon's Lake, Pictou Co (733).
- major* Ehr. Mackintosh (14, 15); Swamp (373); Musquodoboit (879); Cornwallis (992).  
 Ktz. Grant Lake (374); Maclean Pond (394); Mill's Pond (395); Besancon's Lake, Pictou Co. (733).  
 var. *asymetrica*. Swamp (373); Grant (374); Maclean (394); Mill's Pond, Morris River (395).  
 var. *subacuta*. Swamp Pond (373).  
 Ktz. Earltown Lake, col. Co. (605).
- mesolepta* Ehr. High (372); Grant (374); Maclean (394); Cornwallis (992).
- mesolepta* Ehr. var. *stauroneiformis*. High Pond (372); Grant Lake (374); Maclean (394); Besancon's Lake (733).  
 Ktz. var. *stauroneiformis*. Earltown Lake (605).
- mesotyla* Ehr. var. (?) Grant Lake (374); Maclean Pond (394).
- microstauron* O'Meara. Grant (374); Maclean (394); Cornwallis (992).
- nobilis* Ktz. Swamp (373); Grant (374); Maclean (394); Besancon (733); Cornwallis (992).
- occidentalis* Cl. Grant Lake, Pictou Co. (374).
- pachyptera* Ehr. Grant Lake (374).
- parva* Ehr. Grant Lake (374).
- Paulensis* Grun. High (372); Swamp (373); Grant (374); Mill's (395); Musquodoboit Lake (879).
- peregrina* Ktz. Grant (374); Earltown (605); Drakesville (679).
- polyonca* Bréb. Mill's Pond (395).

*Navicula*

- popula* Ktz. Maclean Pond, Pictou Co. (394).  
*pupula* Ktz. var. (?) Earltown Lake (605).  
*producta* W. Sm. var. (?) Maclean Pond, Pictou Co. (394).  
*pseudobacillum* Grun. Grant Lake (374); Earltown Lake (605).  
*radiosa* Ktz. Grant (374); Maclean (394); Earltown (605); Drakesville (679).  
*rupestris* Grun. Besancon's Lake, Pictou Co. (733).  
 Hantz. Musquodoboit (879); Cornwallis (992).  
*semen* Ehr. Cornwallis (992).  
*serians* Ktz. High (372); Swamp (373); Musquodoboit (879); Besancon (773).  
 var. *minor* High Pond (372).  
*stauroptera* Grun. Maclean Pond (394).  
*streptoraphe* Cl. Grant Lake (374); Maclean Pond (394).  
*subacuta* Ehr. forma *minor*. Swamp Pond (373).  
*subsolaris* Grun. High Pond, Pictou Co. (372).  
*tabellaria* Ktz. Maclean Pond (394); Besancon's Lake (733).  
 var. *acrospheriaeformis*. (New variety). "Extremities as large (wide) as the middle. Axial area wide unto the ends which are like those of *N. acrospheria*. Mill's Pond (395).  
*tabellaria* Ktz. var. *stauroneiformis*. Grant Lake, Pictou (374).  
*transversa* A. S. Mackintosh (14, 15); Swamp (373); Grant (374); Maclean (394); Mill's (395); Earltown (605); Besancon (733).  
*trigonocephala* Cl. Mill's Pond (395).  
*ventricosa* Ktz. Grant (374); Maclean (394); Earltown (605).  
*viridis* Ktz. Mackintosh (14, 15); Grant (374); Maclean (394); Mill's Pond (395); Besancon's Lake (733).  
 var. *commutata*. Earltown (605); Musquodoboit (879); Cornwallis (992).  
 var. *fallax*. High Pond (372); Maclean (394).  
*viridula* Ktz. Earltown Lake (605).

- Navicula viridula* Ktz.  
 var. *major*. Earltown Lake (605).  
 (?) Adolf Schmidt's Atlas 44:22. Musquodoboit Lake (879).
- Nitzschia scalaris* W. Sm. Grant Lake (374).  
*sigmoidea* W. Sm. Grant Lake (374); Mill's Pond (395).  
*spectabilis* W. Sm. Mill's Pond (395).
- Pleurostauron acuta* W. Sm. Maclean Pond, Pictou Co. (394).  
 var. *maxima*. Swamp (373); Grant Lake (374).  
*sagitta* Grun. Besancon's Lake, Pictou Co. (733).
- Pseudo-Eunotia hemicyclus* Grun. High Pond (372); Besancon's Lake (733).
- Stauroneis amphilepta* Ehr. Grant Lake (374); Maclean Pond (394).  
*acuta* W. Sm. Earltown Lake, Colchester Co. (605).  
*anceps* Ehr. High (372); Grant (374); Maclean (394); Besancon's (733); Musquodoboit (879).  
 var. (?) Earltown Lake, Col. Co. (605).  
 var. *amphicephala*. High (372); Grant (374); Maclean (394); Besancon (733).  
 var. *elongata* (new variety). (Much longer and more lanceolate than var. *birostris*, less finely striated. 145 mu. long, 15 mu. broad, with 18 striae in 10 mu.) Mill's Pond, Morris River (395).  
 var. *fossilis*. Besancon's Lake (733).
- Baileyi* Ehr. High (372); Swamp (373); Grant (374); Maclean (394); Mill's Pond (395); Besancon (733); Musquodoboit (879); Cornwallis (992).
- gracilis* Sm. Mackintosh (14, 15); High (372); Swamp (373); Grant (374); Maclean (394); Mill's (395); Earltown (605); Besancon (733).
- lanceolata* Ktz. Musquodoboit Lake (879).
- Phoenicenteron* Ehr. Mackintosh (14, 15); High (372); Swamp (373); Grant (374); Maclean (394); Mill's (395); Earltown (605); Besancon's (733); Cornwallis (992).

*Stauroneis*

var. *maxima*. Maclean Pond (394).

var. *lanceolata*. Mill's Pond (395).

var. *elegans* (new variety). (Larger than the type, carries sometimes a central granule in the middle of the median nodule. 150 mu. long by 30 wide. 3 to 15 striae in 10 mu.). Mill's (395).

*producta* Grun. Earltown Lake, Col. Co. (605).

*Stodderi* Greenl. var. *superba*. (new variety). (Area stauroneiform, large and recurved towards the borders on which are seen longitudinal ribs. 90 to 125 mu. long. 9 longitudinal ribs in 10 mu., 15 transverse striae.) High Pond, Pictou Co. (372).

*Stenopterobia anceps* Breb. High (372); Besancon (733); Musquodoboit (879).

*Surirella Baileyi* Laevis. High Pond, Pictou Co. (372).

*bifrons* Ktz. Mackintosh (14, 15); Swamp (373);

Ehr. Besancon Lake (733); Musquodoboit Lake (879).

var. Adolf Schmidt, Atlas 23:2. High Pond (372).

*biseriata* Breb. Mackintosh Lake (14, 15).

*elegans* Ehr. Grant (374); Maclean (394); Mill's Pond (395).

*cardinalis* Kitt. Grant Lake (374); Mill's Pond (395).

*cruciata* A. S. var. (?) Swamp Pond (373).

*Kittonii* A. S. var. (?) Mill's Pond (395).

*linearis* W. Sm. Besancon Lake (733); Musquodoboit Lake (879).

var. *commutata*. Earltown Lake (605).

*Surirella linearis* W. Sm. var. *constricta*. High (372); Besancon (733); Musquodoboit (879).

var. *elliptica*. Musquodoboit Lake (879).

*oblonga* Ehr. High Pond, Pictou Co. (372).

*Rattrayi* A. S. Musquodoboit Lake (879).

*robusta* Ehr. Grant (374); Maclean (394); Earltown (605); Besancon (733).

*Saxonica* Auers. High (372); Swamp (373); Mill's (395); Besancon (733).

*Surirella*

- splendida* Ehr. Besancon's Lake, Pictou Co. (733).  
 forma *minor*. Mackintosh Lake (14, 15).  
*striatula* Turp. Musquodoboit Lake (879).  
*tenera* Greg. High (372); Maclean (394); Mill's  
 (395); Besancon (733).  
 var. *nervosa*. Maclean Pond (394).  
*Thuringiaca* Hantz. High Pond, Pictou Co. (372).

- Synedra biceps* Ktz. Mill's Pond, Morris River (395).  
*capitata* Ehr. Drakesville (679).  
*ulna* Ehr. Drakesville (679).

- Tabellaria fenestrata* Ktz. High (372); Grant (374); Maclean  
 (394); Besancon (733).  
*foculosa* Ktz. Besancon's Lake (733).

- Vanheurckia rhomboides* Bréb. High (372); Besancon (733);  
 Musquodoboit (879).  
 forma *major*. High Pond (372).

## NOTE

The location of "Drakesville" cannot yet be identified in Nova Scotia, altho given with the other Nova Scotian localities simply as "in Canada." Morris Lake, near Dartmouth, Nova Scotia, empties as a small stream into the Atlantic in Halifax County.

Mackintosh Lake is on the boundary of Pictou and Colchester Co.