

## OBSERVATIONAL RECORD

# EPILITHIC DIATOMS OF THE STREAM OUTFLOW OF WILLIAMS LAKE, HALIFAX, NOVA SCOTIA, WITH NEW RECORDS FOR THE PROVINCE

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A December 2000 sampling of epilithic diatoms from the outflow of Williams Lake, Halifax County, Nova Scotia, recorded 31 species not previously known from Nova Scotia.

Un échantillonnage effectué en décembre 2000 dans l'émissaire du lac Williams (comté de Halifax) a révélé la présence de 31 espèces de diatomées épilithiques qui n'avaient jamais été mentionnées en Nouvelle-Écosse.

### Introduction

From a December 2000 sampling of epilithic diatoms from the outflow of Williams Lake (44°37'N, 63°36'W), Halifax County, Nova Scotia, the following taxa were recorded. The data are of interest due to the large number of new records (\*) for the province, as determined from a checklist of freshwater diatoms reports from publications such as Blouin et al. (1984), Delorme et al. (1984), Staker & Hanic (1978) and Vaughan et al. (1982).

### ***Epilithic diatoms identified from the stream outflow of Williams Lake***

- Achnanthydium minutissimum* (Kütz.) Czarn.\*
- Actinella punctata* Lewis
- Aulacoseira granulata* (Ehrenb.) Simonsen
- Brachysira seriata* (Bréb. ex Kütz.) Round et D.G. Mann\*
- B. vitrea* (Grun.) R. Ross ex B. Hartley
- Cocconeis placentula* var. *lineata* (Ehrenb.) Van Heurck\*
- Cyclotella comta* (Ehrenb.) Kütz.
- C. stelligera* (Cleve et Grun.) Van Heurck\*
- Cymbella cesatii* (Rabenh.) Grun. ex A.W.F. Schmidt\*
- Diatoma tenue* var. *elongatum* Lyngb.\*
- Encyonema caespitosum* Kütz.\*
- E. gracile* Rabenh.\*
- E. silesiacum* (Bleisch ex Rabenh.) D.G. Mann\*
- Eunotia curvata* (Kütz.) Lagerst.\*
- E. curvata* var. *capitata* (Grun.) R.M. Patrick\*
- E. curvata* var. *subarcuata* (Naeg.) Woodhead et Tweed\*
- E. incisa* W. Sm. ex Greg.
- E. parallela* Ehrenb.\*

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- E. pectinalis* f. *minor* (Dillwyn) Rabenh.  
*E. pectinalis* var. *ventricosa* Grun.  
*E. vanheurckii* var. *intermedia* (Krasske) R.M. Patrick\*  
*Fragilaria acidobiontica* Charles\*  
*Frustulia rhomboides* var. *crassinervia* (Bréb.) R. Ross\*  
*Gomphonema acuminatum* Ehrenb.\*  
*Gomphonema* sp. #1 PIRLA\*  
*G. gracile* Ehrenb. emend. Van Heurck\*  
*G. variostriatum* Camburn et Charles\*  
*Neidium affine* (Ehrenb.) Pfitz.\*  
*Nitzschia recta* Hantzsch\*  
*Pinnularia braunii* var. *amphicephala* (Mayer) Hust.\*  
*P. latevittata* Cleve\*  
*P. mesolepta* var. *angusta* Cleve\*  
*Psammothidium marginulatum* (Grun.) Bukht. et Round\*  
*Rossithidium linearis* (W. Sm.) Round et Bukht.\*  
*Sellophora rectangularis* (W. Greg.) Lange-Bert. et Metzeltin ex Lange-Bert.\*  
*Semiorbis hemicyclus* (Ehrenb.) R.M. Patrick\*  
*Stauroneis anceps* f. *linearis* (Ehrenb.) Hust.\*  
*Surirella biseriata* var. *bifrons* f. *amphioxys* (W. Sm.) Hust.\*  
*Tabellaria flocculosa* (Roth) Kütz.  
*T. quadrisepata* Knuds.

### References

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