

# Additions and Range Extensions to the Vascular Plant Flora of the Continental Northwest Territories and Nunavut, Canada III

WILLIAM J. CODY<sup>1</sup> and KENNETH L. READING<sup>2</sup>

<sup>1</sup>Biological Resources Program, Biodiversity, National Program on Environmental Health, Agriculture and Agri-Food Canada, Wm. Saunders Building (49), Central Experimental Farm, Ottawa, Ontario K1A 0C6, Canada

<sup>2</sup>11 Colborne Street, Thornhill, Ontario L3T 1Z4, Canada

Cody, William J., and Kenneth L. Reading. 2005. Additions and range extensions to the vascular plant flora of the continental Northwest Territories and Nunavut, Canada III. *Canadian Field-Naturalist* 119(2): 276-290.

Fifteen native taxa are reported as new to either District of Keewatin (now Nunavut in part) or District of Mackenzie (Nunavut contains the northeastern portion): *Aster puniceus*, *Astragalus eucosmus*, *Astragalus eucosmus* f. *albinus*, *Carex media*, *Epilobium latifolium* f. *albiflorum*, *Eriophorum viridi-carinatum*, *Erysimum pallasii*, *Moneses uniflora*, *Najas flexilis*, *Potamogeton obtusifolius*, *Salix arctica* × *glauca*, *Salix glauca* ssp. *callicarpae*, *Salix myrtillofolia*, *Salix rotundifolia*, *Shepherdia canadensis*, taxa are new to Northwest Territories overall. Significant range extensions for 157 native taxa are included.

Key Words: Vascular plants, Mackenzie, Keewatin, Nunavut, flora, new records, range extensions, phytogeography.

Since the publication of *Additions and Range Extensions to the Vascular Plant Flora of the Continental Northwest Territories and Nunavut, Canada II* (Cody et al. 2003) a large number of specimens collected by Kenneth L. Reading in the Continental Northwest Territories between the years of 1978 and 1995 were discovered and forwarded to the senior author for examination. Many of these proved to be significant records and are reported here along with some additional specimens collected by D. Bush, D. Campbell, B. Cornish, V. J. Kajima, L. Kershaw, J. B. Korol, J. Lancaster, J. V. Matthews, J. W. Thieret, R. J. Reich, and J. Thompson.

All of these specimens are preserved in the Agriculture and Agri-Food Canada Herbarium (DAO). As in Cody et al (2003) the authors have continued to use the historic names “District of Keewatin” and “District of Mackenzie” to follow the format of Porsild and Cody (1980) *Vascular Plants of Continental Northwest Territories* and subsequent publications. However, continental “Keewatin” and the former northeastern portion of “District of Mackenzie” are now part of the recently defined Continental Nunavut Territory.

As in paper II a synopsis of the taxa addressed in the body of this paper follows with species listed in alphabetical order within categories. The taxa are then discussed in an annotated list by family in the same order as presented in the *Flora of the Continental Northwest Territories* (Cody and Porsild 1980) together with citation of specimens and other pertinent information.

## New Taxa to the Continental Northwest Territories Status

### New Taxa to the Continental Northwest Territories (Keewatin): (10)

*Astragalus eucosmus*

*Astragalus eucosmus* f. *albinus*

*Carex media*

*Epilobium latifolium* f. *albiflorum*

*Eriophorum viridi-carinatum*

*Erysimum pallasii*

*Moneses uniflora*

*Salix glauca* ssp. *callicarpae*

*Salix myrtillofolia*

*Shepherdia canadensis*

### New Taxa to the Continental Northwest Territories (Mackenzie): (5)

*Aster puniceus*

*Potamogeton obtusifolius*

*Najas flexilis*

*Salix arctica* × *glauca*

*Salix rotundifolia*

### Range Extensions of Native Taxa in the Continental Northwest Territories (Keewatin): (48)

*Anemone parviflora*

*Anemone richardsonii*

*Antennaria isolepis*

*Caltha natans*

*Campanula uniflora*

*Cardamine bellidifolia*

*Cardamine pratensis*

*Carex canescens*

*Carex rariflora*

*Carex rotundata*

*Carex scirpoidea*

*Cystopteris fragilis*

*Draba fladnizensis*

*Draba nivalis*

*Draba wahlenbergii*

*Dryopteris fragrans*

*Epilobium davuricum*

*Equisetum palustre*

*Festuca brachyphylla*

*Galium trifidum*

*Juncus arcticus*

*Juncus castaneus* ssp. *castaneus*

*Ledum groenlandicum*

*Minuartia biflora*

*Minuartia rossii*

*Minuartia rubella*  
*Polygonum viviparum*  
*Potentilla nivea* ssp. *nivea*  
*Potentilla palustris*  
*Pyrola secunda*  
*Ranunculus sabinei*  
*Ranunculus* × *spitzbergensis*  
*Rubus arcticus* ssp. *acaulis*  
*Rubus idaeus*  
*Sagina caespitosa*  
*Salix arctophila*  
*Salix fuscescens*  
*Salix planifolia*  
*Salix reticulata*  
*Salix richardsonii*  
*Saxifraga nelsoniana* ssp. *porsildiana*  
*Saxifraga rivularis*  
*Scirpus caespitosus* ssp. *austriacus*  
*Silene walensis*  
*Stellaria calycantha*  
*Stellaria longipes*  
*Tofieldia coccinea*  
*Tofieldia pusilla*

**Range Extensions of Native Taxa in the Continental Northwest Territories (Mackenzie): (109)**

*Alisma triviale*  
*Anemone parviflora*  
*Arctostaphylos alpina*  
*Arnica angustifolia* ssp. *attenuata*  
*Arnica chamissonis*  
*Artemisia furcata*  
*Artemisia tilesii*  
*Aster pygmaeus*  
*Aster sibiricus*  
*Astragalus australis*  
*Braya glabella*  
*Braya humilis*  
*Calamagrostis lapponica*  
*Calamagrostis purpurascens*  
*Calamagrostis stricta* ssp. *stricta*  
*Callitriche hermaphrodita*  
*Caltha palustris* var. *arctica*  
*Cardamine bellidifolia*  
*Carex bebbii*  
*Carex nardina*  
*Carex scirpoidea*  
*Carex subspathacea*  
*Carex supina* ssp. *spaniocarpa*  
*Carex vaginata*  
*Cerastium alpinum*  
*Cerastium beeringianum*  
*Chenopodium dessicatum*  
*Chrysosplenium tetrandrum*  
*Crepis nana*  
*Cryptogramma crispa* var. *acrostichoides*  
*Cystopteris fragilis*  
*Cystopteris montana*  
*Danthonia spicata*  
*Descurainia sophioides*  
*Draba juvenalis*  
*Draba wahlenbergii*  
*Dryopteris fragrans*  
*Elymus canadensis*  
*Elymus macrourus*

*Elymus trachycaulus* ssp. *violaceus*  
*Epilobium palustre*  
*Equisetum palustre*  
*Erigeron uniflorus* ssp. *eriocephalus*  
*Eriophorum angustifolium*  
*Eriophorum callitrix*  
*Eriophorum triste*  
*Eriophorum vaginatum*  
*Erysimum pallasii*  
*Eutrema edwardsii*  
*Festuca richardsonii*  
*Gentiana affinis*  
*Hedysarum alpinum*  
*Hedysarum boreale* ssp. *mackenzii*  
*Hierochloa hirta* ssp. *arctica*  
*Juncus arcticus*  
*Juncus castaneus* ssp. *castaneus*  
*Juncus stygius* ssp. *americanus*  
*Juncus triglumis* ssp. *albescens*  
*Juniperus communis*  
*Lagotis glauca*  
*Limosella aquatica*  
*Linnaea borealis* var. *americana*  
*Lupinus arcticus*  
*Luzula wahlenbergii*  
*Lycopodium selago*  
*Lycopus uniflorus*  
*Matricaria ambigua*  
*Minuartia yukonensis*  
*Muhlenbergia glomerata*  
*Myriophyllum alterniflorum*  
*Nymphaea tetragona* ssp. *leibergii*  
*Oxytropis arctobia*  
*Oxytropis deflexa* ssp. *foliosa*  
*Oxytropis maydelliana*  
*Papaver radiculatum*  
*Parrya arctica*  
*Pedicularis capitata*  
*Pedicularis langsдорffii* ssp. *arctica*  
*Pedicularis lapponica*  
*Pedicularis macrodonta*  
*Phragmites australis*  
*Poa alpina*  
*Poa glauca*  
*Poa pratensis* ssp. *alpigena*  
*Potamogeton filiformis*  
*Potamogeton foliosus*  
*Potentilla biflora*  
*Ranunculus aquatilis* var. *eradicatus*  
*Rosa blanda*  
*Rhynchospora alba*  
*Salix alaxensis*  
*Salix arctica*  
*Salix glauca* var. *acutifolia*  
*Salix planifolia*  
*Salix reticulata*  
*Salix richardsonii*  
*Salix sphenophylla*  
*Saxifraga nivalis*  
*Scirpus rollandii*  
*Senecio congestus*  
*Silene walensis*  
*Solidago graminifolia* var. *major*  
*Sparganium hyperboreum*  
*Spartina gracilis*

*Stellaria longipes*  
*Triglochin maritimum*  
*Trisetum spicatum*  
*Vaccinium vitis-idaea* var. *minus*  
*Woodsia ilvensis*

## Annotated List

### LYCOPODIACEAE

*Lycopodium selago* L., Mountain Club-moss – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 152, 14 July 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 175 kilometers north of a site adjacent to the Arctic Circle (Porsild and Cody 1980).

### EQUISETACEAE

*Equisetum palustre* L., Marsh Horsetail – MACKENZIE: muddy tundra pond margin, Coppermine River Area, 67°31'15"N 116°01'00"W, *K. Reading* 8, 31 Aug. 2002 (DAO); rocky fen pools, Coppermine River Area, 67°33'30"N 116°14'54"W, *K. Reading* 47, 21 Aug. 2002 (DAO); muddy flooded rock polygon, Coppermine River Area, 67°34'00"N 116°17'00"W, *K. Reading* 9, 1 Sept. 2002 (DAO); Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 204, 16 July 1987 (DAO); KEEWATIN: SY Area, 62°12'20"N 97°52'00"W, *K. Reading* 121, 17 Aug. 1984 (DAO).

The first four specimens cited above extend the known range of this species about 500 kilometers northeast of the east end of Great Bear Lake (Porsild and Cody 1980). The fifth specimen is about 170 kilometers south of the only previously known localities in central KEEWATIN (Cody et al. 2003).

### PTERIDACEAE

*Cryptogramma crispa* (L.) R.Br. var. *achrostichoides* (R.Br.) C.B. Clarke, Mountain-parsley – MACKENZIE: common on outcrop, 63°00'00"N 109°55'00"W, *K. Reading* 426, 8 Aug. 1995 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 85 kilometers northeast of the east end of Great Slave Lake (Porsild and Cody 1980).

### ASPIDACEAE

*Cystopteris fragilis* (L.) Bernh., Fragile Fern – MACKENZIE: 63°00'00"N 109°55'00"W, *K. Reading* 423, 11 Aug. 1995 (DAO); KEEWATIN: Griffin Lake, 61°17'20"N 98°42'00"W, *K. Reading* 98, 19 Aug. 1990 (DAO).

The first specimen cited above is an extension of the known range in the Territory of about 70 kilometers northeast of the east end of Great Slave Lake and the second specimen is the southernmost yet known in the District of Keewatin (Porsild and Cody 1980).

*Cystopteris montana* (Lam.) Bernh., Mountain Bladder Fern – MACKENZIE: uncommon under tamaracks, 63°00'00"N 109°52'00"W, *K. Reading* 429, 9 Aug. 1995 (DAO).

This is a rare species in the Continental Northwest Territories which Porsild and Cody (1980) knew from only three

localities west of the west end of Great Slave Lake. The specimen cited above is an extension of the range to the east of Great Slave Lake of about 390 kilometers.

*Dryopteris fragrans* (L.) Schott, Fragrant Cliff Fern – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 231, 11 Aug. 1987 (DAO); KEEWATIN: south southwest of Bissett Lake, 63°44'00"N 95°30'00"W, *K. Reading* 336, 28 Aug. 1982 (DAO).

This is a widespread species in Canada. The first specimen cited above is an extension of the known range of about 180 kilometers north northwest from the Arctic Circle and the second specimen is from a site between two sites south of the Arctic Circle (Porsild and Cody 1980).

*Woodsia ilvensis* (L.) R.Br., Rusty Woodsia – MACKENZIE: 63°00'00"N 109°55'00"W, *K. Reading* 425, 8 Aug. 1995 (DAO); outcrop beside bog, 62°59'00"N 109°51'00"W, *K. Reading* 428, 9 Aug. 1995 (DAO); Hope Bay area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 116°33'00"W, *K. Reading* 213, 11 Aug. 1987 (DAO).

The first two specimens cited above are an extension of the known range in the Territory (Porsild and Cody 1980) of about 170 kilometers northeast of a site near the east end of Great Slave Lake. The second specimen is a northward extension of about 75 kilometers from a site reported by Cody et al. (1984).

### CUPRESSACEAE

*Juniperus communis* L. s.l., Ground Juniper – MACKENZIE: dolomite scarp, Coppermine River Area, 67°09'00"N 115°45'00"W, *K. Reading* 83, 28 Aug. 2002 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 170 kilometers northeast of a site at the east end of Great Bear Lake (Porsild and Cody 1980).

### SPARGANIACEAE

*Sparganium hyperboreum* Laest. – MACKENZIE: big pool in creek, Coppermine River Area, 67°31'10"N 116°10'05"W, *K. Reading* 52, 22 Aug. 2002 (DAO).

The specimen cited above is from a site midway between a site north of the east end of Great Bear Lake and the south end of Bathurst Inlet (Porsild and Cody 1980). This species was only found once in this area.

### POTAMOGETONACEAE

*Potamogeton filiformis* Pers., Fine-leaved Pondweed – MACKENZIE: sandy Lake, Coppermine River Area, 67°06'05"N 115°44'50"W, *K. Reading* 50, 21 Aug. 2002 (DAO).

The specimen cited above is from a site midway between a site north of the east end of Great Bear Lake and Bathurst Inlet (Porsild and Cody 1980).

*Potamogeton foliosus* Raf. (*P. foliosus* Raf. var. *macellus* Fern.), Closed-leaved Pondweed – MACKENZIE: 61.7382°N 121.1534°W, *L. Kershaw* 18, 2003 (DAO).

This species was considered rare in the Northwest Territories by McLannet et al. (1995), who knew it only from the vicinities of Yellowknife, Nahanni National Park and the Great Bear River areas. The specimen cited above is from a site in the Keller Lake area east of the Mackenzie River.

*Potamogeton obtusifolius* M.&K., Blunt-leaved Pondweed – MACKENZIE: Mackenzie River-Yellowknife Highway, small lake at Mile 12.7 S, *Thieret & Reich* 8358, 28 July 1961 (DAO); same area, small lake, Mile 38.3 S, *Thieret & Reich* 4947, 23 July 1961 (DAO); 62.158°N 122.4891°W, *L. Kershaw* 19, 2003 (DAO).

Porsild and Cody (1980) suggested that this species was to be expected in the southern parts of the Precambrian Shield area. Haynes (1974) reported it from the vicinity of Yellowknife. Haynes had already revised the first three specimens in 1971, but this revision was overlooked by Porsild and Cody. In 1995 he confirmed his identification. The fourth specimen cited above from a site near the Mackenzie River is an extension of the known range in the Territory of about 400 kilometers to the west.

#### NAJADACEAE

*Najas flexilis* (Willd.) Rostk. & Schmidt, Wavy Water Nymph – MACKENZIE: beside beaver lodge near northwest corner of unnamed lake, 62.9854°N 123.1753°W, *L. Kershaw* 14, 2003 (DAO).

The specimen cited above is new to the flora of the Continental Northwest Territories (Porsild and Cody 1980).

#### SCHEUCHZERIAACEAE

*Triglochin maritimum* L., Seaside Arrow-grass – MACKENZIE: wet fen, Coppermine River Area, 67°34'10"N 116°18'50"W, *K. Reading* 153, 1 Sept. 2002 (DAO).

The specimen cited above is from a location midway between a site at the northeast end of Great Bear Lake and a site near the south end of Bathurst Inlet (Porsild and Cody 1980).

#### ALISMATACEAE

*Alisma triviale* Pursh (*A. plantago-aquatica* L. var. *americanum* J. A. Schultes) – MACKENZIE: Willowlake River, 62.7024°N 123.1043°W, sand and gravel bar on the north side of the river, *D. Soppet* 2, 2003 (DAO).

This species was considered rare in the Territory on the basis of a single collection from the shoreline of Hanging Ice River, north of Fort Smith (McJannet et al. 1995). The specimen cited above is an extension of the known range in the Territory of about 500 kilometers to the northwest.

#### POACEAE

*Calamagrostis lapponica* (Wahlenb.) Hartm. – MACKENZIE: Camp Peninsula on September (Mouse) Lake, Coppermine River Area, 67°06'05"N 115°44'50"W, *K. Reading* 115, 24 Aug. 2002 (DAO).

The specimen cited above is from a site midway between the east end of Great Bear Lake and the south end of Bathurst Inlet (Porsild and Cody 1980).

*Calamagrostis purpurascens* R.Br. – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 318, 29 June 1987 (DAO).

The specimen cited above is from a site about 170 kilometers north of the south end of Bathurst Inlet and is the most northwestern yet known from the District of Mackenzie (Porsild and Cody 1980).

*Calamagrostis stricta* (Timm) Koeler ssp. *stricta* (C. *neglecta* (Ehrh.) Gaertn., Mey. & Scherb.) – MACKENZIE:

"Lunch outcrop", Coppermine River Area, 67°32'15"N 116°02'30"W, *K. Reading* 110, 26 Aug. 2002 (DAO); Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 63°03'15"N 106°37'00"W, *K. Reading* 304, 15 July 1978 (DAO).

The first specimen cited above is from a site about 250 kilometers northeast of the east end of Great Bear Lake (Porsild and Cody 1980). To the north on Victoria Island it is known about 250 kilometers away, and to the east about 630 kilometers. The second specimen is from a site about 290 kilometers northeast of the first specimen location.

*Danthonia spicata* (L.) Beauv., Poverty Oatgrass – MACKENZIE: along break between the sandbar and the Black Spruce forest on the edge of the river, north side sandbar of A River between Two Mountains, 62.942°N 123.0399°W, *D. Soppet* 6, 2003 (DAO).

Porsild and Cody (1980) suggested that this species should be looked for along the southern rim of the Precambrian Shield east of the Slave River. Specimens which were all collected in Nahanni National Park and identified as *D. intermedia* have since been revised to *D. spicata*. The specimen cited above is from a site northeast of the park.

*Elymus canadensis* L., Canadian Wild Rye – MACKENZIE: upper shore of Mackenzie River about 100 m north of ferry landing, 62.1498°N 122.5327°W, *L. Kershaw* 7, 2003 (DAO).

This is a rare species in the Territory (McJannet et al. 1995). The specimen cited above is an extension of the known range of about 175 kilometers north of a site adjacent to the Liard River. It is however not far distant from a site on the Norman Wells Pipeline adjacent to the Willowlake River winter road which presumably was introduced (Cody et al. 2000).

*Elymus macrourus* (Turcz.) Tzvelev (*Agropyron sericeum* Hitchc.) – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 310, 29 June 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 750 kilometers east of sites adjacent to the Arctic Coast (Porsild and Cody 1980).

*Elymus trachycaulus* (Link) Gould ex Shinnars ssp. *violaceus* (Hornem.) A. & D. Löve (*Agropyron trachycaulum* (Link) Malte sl.) – MACKENZIE: sand ridge, Coppermine River Area, 67°33'00"N 115°58'00"W, *K. Reading* 97A, 5 Sept. 2002 (DAO) (determined by S. Darbyshire 2002).

The specimen cited above is an extension of the known range of this group (Porsild and Cody 1980) of about 250 kilometers northeast of the east end of Great Bear Lake.

*Festuca brachyphylla* Schultes – KEEWATIN: Bray Lake, 61°26'N 97°59'W, *K. Reading* 104, 21 June 1990 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 150 kilometers to the northeast of a site in the extreme southwest of the Territory (Porsild and Cody 1980).

*Festuca richardsonii* Hook. (*F. rubra* L. ssp. *richardsonii* (Hook.) Hultén) – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 312B, 29 June 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 200 kilometers north of the south end of Bathurst Inlet (Porsild and Cody 1980).

*Hierochloe hirta* (Schränk) Borbas ssp. *arctica* (G.) Weim. (*H. odorata* pro parte sensu Porsild and Cody (1980), Sweet Grass – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Windy Bay, 68°03'15"N 106°37'00"W, *K. Reading* 317, 29 June 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 540 kilometers northeast of the northeast end of Great Bear Lake (Porsild and Cody 1980).

*Muhlenbergia glomerata* (Willd.) Trin. – MACKENZIE: mineral spring, Mackenzie Valley pipeline survey, 61°37'17"N 121°30'14"W, *L. Kershaw s.n.*, 8 Aug. 2002 (DAO).

The specimen cited above which is the northernmost yet found in the Territory is an extension of the known range of about 300 kilometers to the northwest of a site adjacent to the Liard River mapped by Porsild and Cody (1980).

*Phragmites australis* (Cav.) Trin. ex Steud., (*P. communis* Trin. var. *berlandieri* (Fourn.) Fern.), Common Reed – MACKENZIE: shallow water about 10 m from the shore of a large alkaline lake, 61.7617°N 121.0793°W, *L. Kershaw* 17, 2003 (DAO).

The specimen cited above from the vicinity of Fort Simpson is from only the second known site in the Territory about 130 kilometers to the northeast in the vicinity of Yohin Lake (Scotter and Cody 1974).

*Poa alpina* L., Alpine Blue Grass – MACKENZIE: Coppermine River Area, Camp Peninsula on September (Mouse) Lake, 67°06'05"N 115°44'50"W, *K. Reading* 118, 24 Aug. 2002 (DAO); Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 321, 29 June 1987 (DAO).

The first specimen cited above extends the known range in the Territory about 125 kilometers west and the second specimen about 125 kilometers north of a site adjacent to Burnside Landing at latitude 66°51'N adjacent to Bathurst Inlet (Cody et al. 1984).

*Poa glauca* Vahl – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 313, 29 June 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 170 kilometers from the south end of Bathurst Inlet (Porsild and Cody 1980).

*Poa pratensis* L. ssp. *alpigena* (L.) Lindm. (*P. alpigena* (Fr.) Lindm.) – MACKENZIE: George Lake Camp, 65°53'10"N 107°23'00"W, *K. Reading* 463, 467, 468, 469, 16 Aug. 1988 (DAO); Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'05"N 106°37'00"W, *K. Reading* 316, 319, 29 June 1987 (DAO).

The first location cited above is about 85 kilometers south of sites near latitude 67°N reported by Cody et al. (1984). The Windy Lake sites are the northeasternmost yet known from the Territory and are about 130 kilometers north of latitude 67°N.

*Spartina gracilis* Trin., Alkali Cord Grass – MACKENZIE: sandbar on north side of river, Willowlake River, 62.7024°N 123.1043°W, *D. Soppet* 28, 2003 (DAO).

This is a rare species in the Territory (McJannet et al. 1995). The specimen cited above is an extension of the known range of about 240 kilometers northwest of the vicinity of Fort Simpson.

*Trisetum spicatum* (L.) Richt. – MACKENZIE: George Lake Camp, 65°53'10"N 107°23'8"W, *K. Reading* 470, 18 Aug. 1988 (DAO); Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 306, 312A, 320, 322, 29 June 1987 (DAO).

The first location cited above is about 85 kilometers south of sites near latitude 67°N reported by Cody et al. (1984). The Windy Lake site is the northeasternmost yet known from the Territory and is about 130 kilometers north of latitude 67°N.

#### CYPERACEAE

*Carex bebbii* Olney – MACKENZIE: Mackenzie River Valley pipeline survey, steep boulder strewn stream shore of Mackenzie River near Liard, 61°50'53"N 121°10'7"W, *L. Kershaw s.n.*, 8 Aug. 2002 (DAO).

Although widespread across much of Canada, Porsild and Cody (1980) knew this rare plant in the Territory from only four locations: near Fort Smith, Fort Good Hope, Fort Simpson and Fort Liard.

*Carex canescens* L. – KEEWATIN: Griffin Lake, 61°16'30"N 98°42'00"W, *K. Reading* 100, 26 July 1990 (DAO).

The specimen cited above is the northernmost yet found in the Territory and is from a site about 60 kilometers northeast of a site mapped by Porsild and Cody (1980).

*Carex media* R.Br. – KEEWATIN: Griffin Lake, 61°16'30"N 98°42'00"W, *K. Reading* 99, 26 July 1990 (DAO).

The specimen cited above is the first known from this Territory. It is from a site about 85 kilometers northeast of a site in the province of Manitoba, just south of latitude 60°N (Porsild and Cody 1980).

*Carex nardina* Fries – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 301, 14 July 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 170 kilometers northeast of a location cited by Cody et al. (1984) and is the northeasternmost yet known in the Territory.

*Carex rariflora* (Wahlenb.) Sm. – KEEWATIN: west of Imikula Lake, 62°10'00"N 97°40'20"W, *K. Reading* 397, 10 Aug. 1983 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 80 kilometers inland from sites adjacent to the Hudson Bay coast (Porsild and Cody 1980).

*Carex rotundata* Wahl. – KEEWATIN: SY area, 62°12'20"N 97°53'00"W, *K. Reading* 219, 19 July 1984 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 80 kilometers northeast of a site in the extreme south mapped by Porsild and Cody (1980).

*Carex scirpoidea* Michx. – MACKENZIE: sand flats, Coppermine River area, 67°06'05"N 115°44'50"W, *K. Reading* 15A, 8 Sept. 2002 (DAO); Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N

106°37'00"W, *K. Reading* 287, 15 July 1987 (DAO); KEEWATIN: Griffin Lake, 61°16'30"N 98°42'00"W, *K. Reading* 226, 26 July 1990 (DAO).

The first specimen cited above is from a site midway between Coppermine and the south end of Bathurst Inlet (Porsild and Cody 1980). The second specimen is an extension of the known range in the Territory of about 170 kilometers northeast of the south end of Bathurst Inlet and is the northeasternmost yet known in the Territory. The third specimen is an extension of about 100 kilometers northeast of the southwesternmost previously known site in Keewatin (Porsild and Cody 1980).

*Carex subspathacea* Wormskj. – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 283, 15 July 1987 (DAO).

The specimen cited above of this rare northern species is from a site about 170 kilometers northeast of the south end of Bathurst Inlet (Porsild and Cody 1980) and is the easternmost yet found in the Territory.

*Carex supina* Wahl. ssp. *spaniocarpa* (Steud.) Hultén – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 311, 29 June 1987 (DAO).

The specimen cited above is from a site about 170 kilometers northeast of the south end of Bathurst Inlet (Porsild and Cody 1980) and is the northeasternmost yet found in the Territory.

*Carex vaginata* Tausch – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 330, 4 Aug. 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 150 kilometers northeast of a site near Burnside Landing adjacent to Bathurst Inlet (Cody et al. 1984).

*Eriophorum angustifolium* Honckn. – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 202, 15 July 1987 (DAO); Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 261, 1 Aug. 1987 (DAO).

The specimens cited above are a northern extension of the known range in the Territory of about 170 kilometers north of a site east of the south end of Bathurst Inlet (Porsild and Cody 1984).

*Eriophorum callitrix* Cham. – MACKENZIE: George Lake Camp, 65°53'12"N 107°23'8"W, *K. Reading* 465, 18 Aug. 1988 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 80 kilometers south of the south end of Bathurst Inlet (Porsild and Cody 1980).

*Eriophorum triste* (Th. Fr.) Hadac & Löve – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 286, 5 July 1987 (DAO).

The specimen cited above of this circumpolar arctic-alpine species is an extension of the known range in the Territory of about 500 kilometers northeast of a site adjacent to the east end of Great Bear Lake. Adjacent to the Arctic

Coast it is known about 400 kilometers to the west and it is also known from Victoria Island (Porsild and Cody 1980).

*Eriophorum vaginatum* L. – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 285, 5 July 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 150 kilometers northeast of sites adjacent to the middle of Bathurst Inlet (Cody et al. 1984).

*Eriophorum viridi-carinatum* (Engelm.) Fern. – KEEWATIN: SY area, 62°12'30"N 97°55'00"W, *K. Reading* 252, 17 Aug. 1984 (DAO).

This species is new to Continental District of Keewatin. It is known to the west in the District of Mackenzie about 625 kilometers away at the east end of Great Slave Lake and to the southwest in Saskatchewan about 475 kilometers away just south of the provincial border (Porsild and Cody 1980).

*Rhynchospora alba* (L.) Vahl, White Beak-rush – MACKENZIE: 61.9954°N 121.5027°W, *L. Kershaw* 20, 2003 (DAO).

This is a rare species in the Northwest Territories (McJannet et al. 1995) known from a single site near Hearst Lake (Cody and Talbot 1978) south of the east end of Great Slave Lake. The specimen cited above is from a site about 150 kilometers to the northwest.

*Scirpus caespitosus* L. ssp. *austriacus* (Pallas) Asch. & Graebn. – KEEWATIN: east of Pebble Beach Lake, south of Yathkyed Lake, 62°22'00"N 97°28'00"W, *K. Reading* 178, 10 July 1985 (DAO).

The specimen cited above is from a site midway between sites near the southern territories border and latitude 64°N (Porsild and Cody 1980).

*Scirpus rolandii* Fern. – MACKENZIE: Mackenzie River Valley pipeline survey, mineral rich site near springs, mud hummocks, 65°32'24"N 127°36'47"W, *L. Kershaw s.n.*, 1 Aug. 2002 (DAO); hundred plus plants in calcareous area where stream widens and pools on flat area before flowing into mineral lake, Wrigley area, 62.7307°N 123.1098°W, *D. Soppet* 26A, 2003 (DAO).

McJannet et al. (1995) knew this rare species in the Territory from only four localities, one near the northwest end of Great Slave Lake and three in the Mackenzie Mountains. The first specimen cited above is from a site northeast of the previously northernmost site in the mountains. The second specimen is from a site midway between the Mackenzie Mountain site and a site west of the north arm of Great Slave Lake.

#### JUNCACEAE

*Juncus arcticus* Willd. – MACKENZIE: Coppermine River Area, sandy lakeshore, 67°06'08"N 115°44'50"W, *K. Reading* 15B, 15 Aug. 2002 (DAO); KEEWATIN: Big Bird Lake, 62°17'30"N 97°38'00"W, *K. Reading* 180, 25 June 1985 (DAO).

The first specimen cited above is from a site about 100 kilometers west of Bathurst Inlet. The second specimen is from a site midway between a site adjacent to the Manitoba border west of Hudson Bay and a site about latitude 63°30'N east of longitude 100°W (Porsild and Cody 1980).

*Juncus castaneus* Smith ssp. *castaneus* – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 329, 4 Aug. 1987 (DAO); KEEWATIN: No-camp Lake, south of Yathkyed Lake, 62°22'00"N 97°27'30"W, *K. Reading* 201, 21 July 1985 (DAO); Big Bird Lake, 62°17'30"N 97°38'00"W, *K. Reading* 181, 25 June 1985 (DAO).

The first specimen cited above is an extension of the known range in the Territory of about 200 kilometers northeast of the south end of Bathurst Inlet. The second and third specimens are from sites about 125 kilometers north of a site in the interior of the District of Keewatin mapped by Porsild and Cody (1980).

*Juncus stygius* L. ssp. *americanus* (Buch.) Hultén, Bog Rush – MACKENZIE: Mackenzie River Valley pipeline survey, sandy shoreline of creek, 61°19'27"N 120°50'21"W, *L. Kershaw s.n.*, 3 Aug. 2002 (DAO); in graminoid/shrub fen in lower wet spots, 60.6383°N 120.3463°W, *D. Soppet* 9, 17 Aug. 2003 (DAO).

The first specimen cited above from south of Fort Simpson is only the fourth known in the Territory. McJannet et al. (1995) knew it from just north of latitude 60°N from south of the east and west ends of Great Slave Lake and adjacent to Hudson Bay. This species was first recorded in the Territory by J. W. Thieret (1959) on the basis of a specimen collected by Thieret and Reich (1964) from among sedges at foot of "hummock island" in marly lake at mile 44½ Enterprise-Mackenzie River Highway, about 215 kilometers east of the specimens cited above.

*Juncus triglumis* L. ssp. *albescens* (Lange) Hultén (*J. albescens* (Lange) Fern.) – MACKENZIE: Coppermine River Area, 67°06'05"N 115°44'50"W, *K. Reading* 297, 3 Sept. 2002 (DAO).

The specimen cited above is from a site midway between the south end of Bathurst Inlet and sites at the east end of Great Bear Lake (Porsild and Cody 1980).

*Luzula wahlenbergii* Rupr. – MACKENZIE: George Lake Camp, 65°55'10"N 107°23'00"W, *K. Reading* 466, 18 Aug. 1988 (DAO).

The specimen cited above is from a site about 175 kilometers west of a site at about 101°W longitude just south of latitude 66°N (Porsild and Cody 1980).

#### LILIACEAE

*Tofieldia coccinea* Richards. – KEEWATIN: Kazan Falls, 63°43'00"N 95°51'30"W, *K. Reading* 348, 30 Aug. 1982 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 150 kilometers east of specimens adjacent to longitude 100°W (Porsild and Cody 1980).

*Tofieldia pusilla* (Michx.) Pers. – KEEWATIN: south of Bissett Lake, 63°43'00"N 95°18'00"W, *K. Reading* 347, 22 July 1982 (DAO).

The specimen cited above is from a site about 150 kilometers east of a site just east of longitude 100°W (Porsild and Cody 1980).

#### SALICACEAE

*Salix alaxensis* (Anderss.) Cov. – MACKENZIE: sand flat below esker, Coppermine River Area, 67°33'00"N 115°58'00"W, *K. Reading* 308, 5 Sept. 2002 (DAO) (determined by G. Argus).

The specimen cited above is from a site midway between the south end of Bathurst Inlet and the vicinity of Coppermine (Porsild and Cody 1980).

*Salix arctica* Pallas, Arctic Willow – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 442, 7 July 1987 (DAO); Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 278, 24 June 1987, 250, 4 Aug. 1987, *K. Reading* 274, 10 Aug. 1987 (DAO) (determined by G. Argus).

The four specimens cited above are a northeast extension of the known range in the Territory of about 170 kilometers from a site at the southern end of Bathurst Inlet (Porsild and Cody 1980).

*Salix arctica* × *glauca* – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 448, 449, 450, 7 July 1987, 14 July 1987 (DAO) (determined by G. Argus).

This putative hybrid was not known to Porsild and Cody (1980).

*Salix arctophila* Cockerell – KEEWATIN: southwest of Big Bird Lake, south of Yathkyed Lake, 62°16'50"N 97°41'00"W, *K. Reading* 144, 28 June 1985 (DAO); southwest of Big Bird Lake, 62°17'00"N 97°40'00"W, *K. Reading* 30, 28 June 1985 (DAO); southwest of No-camp Lake, south of Yathkyed Lake, 62°22'40"N 97°27'30"W, *K. Reading* 436, 11 July 1985 (DAO); Camp 2, 61°21'00"N 97°53'30"W, *K. Reading* 447, 7 July 1990 (DAO) (determined by G. Argus).

The specimens cited above are from sites midway between the Hudson Bay Coast and a site just east of longitude 100°W (Porsild and Cody 1980).

*Salix fuscescens* Anderss. – KEEWATIN: Big Bird Lake, 62°18'00"N 97°39'00"W, *K. Reading* 36, 25 June 1985 (DAO); Washanepisuki Lake, 62°12'30"N 97°52'00"W, *K. Reading* 141, 17 July 1984 (DAO); north of No-camp Lake, 62°22'15"N 97°27'10"W, *K. Reading* 435, 11 July 1985 (DAO) (determined by G. Argus).

The specimens cited above are from sites midway between the Hudson Bay Coast and a site just east of longitude 100°W (Porsild and Cody 1980).

*Salix glauca* L. var. *acutifolia* (Hook.) Schneid., Blue-green Willow – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 276, 10 Aug. 1987 (DAO) (determined by G. Argus).

The specimen cited above is an extension of the known range in the Territory of about 170 kilometers northeast of the south end of Bathurst Inlet and is the northeasternmost site in the Territory (Porsild and Cody 1980).

*Salix glauca* L. ssp. *callicarpaea* (Trautv.) Böcher – KEEWATIN: Bray Lake, 61°26'N 97°59'W, *K. Reading* 451, 21 June 1990 (DAO); Washanepisuki Lake, 62°12'30"N 97°52'00"W, *K. Reading* 148, 17 July 1984

(DAO); north of No-camp Lake, south of Yathkyed Lake, 62°22'15"N 97°28'10"W, *K. Reading* 138, 16 July 1985 (DAO); north of No-camp Lake south of Yathkyed Lake, 62°22'00"N 97°30'05"W, *K. Reading* 139, 22 July 1985 (DAO) (determined by G. Argus).

This subspecies was known in northeastern North America from Greenland, Labrador, Newfoundland and Quebec (specimens in DAO determined by G. Argus). The specimens cited above extend the known range into central southern District of Keewatin.

*Salix myrtillofolia* Anderss., Blueberry Willow – KEEWATIN: Bray Lake, 61°26'N 97°59'W, *K. Reading* 444, 21 June 1990 (DAO) (determined by G. Argus).

This species is new to mainland District of Keewatin. The nearest site mapped by Porsild and Cody (1980) was in north-western Manitoba about 340 kilometers to the southwest and to the west in the District of Mackenzie it is common west of about longitude 106°W.

*Salix planifolia* Pursh, Tea-leaf Willow – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 446, 452, 1 and 7 July 1987 (DAO); KEEWATIN: Washaneepisuki Lake, 62°12'30"N 97°52'00"W, *K. Reading* 142, 15 July 1984 (DAO); Big Bird Lake, 62°17'30"N 97°38'00"W, *K. Reading* 437, 25 June 1985 (DAO); 62°20'00"N 97°22'00"W, *K. Reading* 32, 16 July 1985 (DAO); Pebble Beach Lake south of Yathkyed Lake, 62°22'00"N 97°30'00"W, *K. Reading* 149, 16 July 1985 (DAO) (determined by G. Argus).

The Windy Lake specimen cited above is an extension of the known range in the District of Mackenzie of about 170 kilometers from sites adjacent to Bathurst Inlet south of latitude 67°N reported by Cody et al. (1984). The District of Keewatin sites are midway between the Hudson Bay Coast and about longitude 98°W.

*Salix reticulata* L., Net-veined Willow – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 279, 22 July 1987 (DAO); KEEWATIN: Camp 2, 61°21'00"N 97°53'31"W, *K. Reading* 439, 7 July 1990 (DAO); Washaneepisuki Lake, west of Imikula Lake, 62°12'30"N 97°52'00"W, *K. Reading* 145, 3 July 1984 (DAO); Pebble Beach Lake south of Yathkyed Lake, 62°22'00"N 97°30'00"W, *K. Reading* 146, 22 July 1985 (DAO) (determined by G. Argus).

The first specimen cited above is an extension of the known range in the District of Mackenzie of about 170 kilometers northeast of a site at the south end of Bathurst Inlet (Porsild and Cody 1980). The District of Keewatin specimens are from sites midway between the Hudson Bay Coast and longitude 101°W (Porsild and Cody 1980).

*Salix richardsonii* Hook. (*S. lanata* L. ssp. *richardsonii* (Hook.) Hultén, Richardson's Willow – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 441, 445, 7 July 1987 (DAO); Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'W, *K. Reading* 275, 10 Aug. 1987 (DAO); KEEWATIN: Big Bird Lake, south of Yathkyed Lake,

62°17'30"N 97°38'00"W, *K. Reading* 150, 25 June 1985 (DAO); Pebble Beach Lake south of Yathkyed Lake, 62°22'00"N 97°52'00"W, *K. Reading* 151, 11 June 1985 (DAO) (determined by G. Argus).

The Mackenzie specimens cited above are an extension of the known range in the Territory of about 170 kilometers northeast of a site in the vicinity of Burnside Landing adjacent to Bathurst Inlet. The Keewatin specimens extend the known range in the Territory about 250 kilometers north from a site adjacent to the Manitoba border (Porsild and Cody 1980).

*Salix rotundifolia* Trautv. ssp. *rotundifolia*, Round-leaf Willow – MACKENZIE: Mackenzie Mountains, limestone, stoney tundra slope, 17 miles NW Little Divide Lake, 63°17'N 128°17'W, *W. J. Cody* 16633, 26 July 1967 (DAO); Mackenzie Mountains, in deep moss on granitic mountain, 5 miles SE of O'Grady Lake, 62°57'N 128°58'W, *W. J. Cody* 16750, 27 July 1967 (DAO); Mackenzie Mountains, 10 miles NE of O'Grady Lake, 63°05'N 128°50'W, *W. J. Cody* 16889, 29 July 1967 (DAO) (determined by G. Argus).

This willow was not included in the *Vascular Plants of Continental Northwest Territories* (Porsild and Cody 1980). It was however described and mapped by Argus in his *Guide to the identification of willows in Alaska, the Yukon Territory and adjacent regions* (Argus 2001). The specimens cited above are the basis for the maps in this treatment.

*Salix sphenophylla* A.K. Skvort. – MACKENZIE: delta low centre polygons, south of Big Lake, 69.3652°N 134.899°W, *D. Bush* 25, 2003 (DAO) (determined by G. Argus).

This species was reported as new to the Northwest Territories by McJannet et al. (1995) on the basis of a specimen collected by E. Kutke at Nig, 74 miles north of Inuvik (DAO). The specimen cited above is the second record for the Territory.

#### POLYGONACEAE

*Polygonum viviparum* L., Bistort – KEEWATIN: 62°08'50"N 97°53'00"W, *K. Reading* 37, 15 July 1984 (DAO); 62°12'00"N 97°52'00"W, *K. Reading* 51, 3 July 1984 (DAO).

The specimens cited above are from sites in the southern District of Keewatin about 150 kilometers east of a site just east of longitude 100°W (Porsild and Cody 1980).

#### CHENOPODIACEAE

*Chenopodium dessicatum* A. Nels. (*C. leptophyllum* Nutt.), Narrow-leaved Goosefoot – MACKENZIE: middle of open, revegetated sandy slope, 61.7441°N 121.1543°W, *L. Kershaw* 5, 2003.

Porsild and Cody (1980) reported *C. leptophyllum* as "In the Northwest Territories thus far known only from a Richardson specimen collected a Century and a half ago, at Fort Franklin, where it was surely an ephemeral introduction". The specimen cited above is from a site about half way between Fort Franklin and the west end of Lake Athabasca and may also be an ephemeral introduction.



## CARYOPHYLLACEAE

*Cerastium alpinum* L. – MACKENZIE: siksik mound, Coppermine River Area, 67°32'30"N 116°01'30"W, *K. Reading* 77, 29 Aug. 2002 (DAO); Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 241, 7 Aug. 1987 (DAO).

The first specimen cited above is an extension of the known range in the Territory of about 250 kilometers west of a site at the south end of Bathurst Inlet. The second specimen is an extension of the known range about 170 kilometers to the northeast (Porsild and Cody 1980).

*Cerastium beeringianum* Cham. & Schlecht. – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 214, 10 Aug. 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 170 kilometers to the northeast of the south end of Bathurst Inlet (Porsild and Cody 1980).

*Minuartia biflora* (L.) Schinzl. & Thell. – KEEWATIN: 11 miles south of east end of Bissett Lake, 63°39'10"N 95°10'00"W, *K. Reading* 370, 18 Aug. 1982 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 100 kilometers north of a site in the southern half of the Territory (Porsild and Cody 1980).

*Minuartia rossii* (R.Br.) Graebn. – KEEWATIN: Bissett Creek, 63°46'00"N 95°30'00"W, *K. Reading* 368, 25 July 1982 (DAO).

The specimen cited above is a westerly extension into central mainland Keewatin of 500 kilometers from sites on Southampton Island. To the north it is known from sites adjacent to the Arctic Coast and the Arctic Islands (Porsild and Cody 1980).

*Minuartia rubella* (Wahlenb.) Graebn. – KEEWATIN: south of east end of Bissett Lake, 64°40'30"N 95°12'00"W, *K. Reading* 371, 20 Aug. 1982 (DAO).

The specimen cited above is midway between a site adjacent to the Hudson Bay Coast and about 65°N 98°W (Porsild and Cody 1980).

*Minuartia yukonensis* Hultén – MACKENZIE: east bank of Mackenzie River, 68°52.1'N 134°29.8'W, *J.V. Matthews s.n.*, 4 Aug. 1983 (DAO); Mackenzie River Valley pipeline survey, Parson's Lake area, 68°59'05"N 133°30'59"W, *J. Lancaster s.n.*, 5 Aug. 2002 (DAO); Ya Ya esker, 69.2093°N 134.5636°W, *J. Lancaster* 12A, 9 July 2003 (DAO).

Porsild and Cody (1980) knew this *Amphi-Beringian* species in the Continental Northwest Territories only as far east as the east slope of the Richardson Mountains west of the Mackenzie Delta. The specimens cited above extend the known distribution eastward to part of the Mackenzie River and eastward further to Parson's Lake about 100 kilometers to the northeast.

*Sagina caespitosa* (J. Vahl) Lge. – KEEWATIN: TK Camp peninsula, Bissett Lake, 63°47'00"N 95°26'30"W, *K. Reading* 367, 17 July 1982 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 125 kilometers east of the northernmost site mapped by Porsild and Cody (1980).

*Silene walensis* (Rupr.) Bouquet (*Melandrium apetalum* (L.) Fenzl ssp. *arcticum* (Fr.) Hultén) – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 267, 30 July 1987 (DAO); KEEWATIN: wet tundra rills, north of 30-mile lake, 63°46'00"N 96°07'00"W, *K. Reading* 351, 31 July 1981 (DAO).

The first specimen cited above is an extension of the known range in the Territory of about 170 kilometers northeast of a site at the south end of Bathurst Inlet (Porsild and Cody 1980). The Keewatin site is midway between the Hudson Bay Coast and sites just east of longitude 100°W.

*Stellaria calycantha* (Ledeb.) Bong. – KEEWATIN: Grif-fin Lake, 61°19'N 98°46'W, *K. Reading* 340, 10 Aug. 1990 (DAO); 62°11'N 97°52'W, *K. Reading* 61, 19 July 1984 (DAO); SY area, 62°12'10"N 97°53'00"W, *K. Reading* 136, 5 Aug. 1984 (DAO).

The specimens cited above extend the known range in the Territory about 180 kilometers north of a site north of the Manitoba border (Porsild and Cody 1980).

*Stellaria longipes* Goldie s.l. – MACKENZIE: scarp foot, Coppermine River Area, 67°07'N 115°05'W, *K. Reading* 89, 28 Aug. 2002 (DAO); KEEWATIN: east of Kazan River, north of Big Bend, 63°45'N 95°38'W, *K. Reading* 399B, 8 Aug. 1983 (DAO); south of Whale Lake, 63°46'N 96°06'W, *K. Reading* 369, 21 Aug. 1982 (DAO).

The first specimen cited above extends the known distribution about 250 kilometers west of the Burnside Landing area adjacent to Bathurst Inlet (Cody et al. 1984). The Keewatin specimens extend the known range to the northeast about 250 kilometers to the central area of Keewatin (Porsild and Cody 1980).

## NYMPHAEACEAE

*Nymphaea tetragona* Georgi ssp. *leibergii* (Morong) Porsild – MACKENZIE: small lake in Camsell Ferry infrastructure midway on west shore of lake behind beaverlodge, 62.1567°N 122.4908°W, *L. Kershaw* 15, 2003 (DAO).

This rare plant in the Territory was first reported by A. E. Porsild (1939) on the basis of a collection by E. A. Preble from an island of the Simpson group 40 miles northeast of Resolution, Great Slave Lake. The specimen cited above is from a site about 425 kilometers to the west.

## RANUNCULACEAE

*Anemone parviflora* Michx. – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 296, 14 July 1987 (DAO); KEEWATIN: Big Bird Lake, 62°18'00"N 97°37'40"W, *K. Reading* 440, 28 June 1985 (DAO).

The first specimen cited above is an extension of the known range in the Territory of about 100 kilometers northeast of a site adjacent to Bathurst Inlet (Porsild and Cody 1980). The second specimen is an eastward extension of about 80 kilometers from a site just east of longitude 100°W.

*Anemone richardsonii* Hook. – KEEWATIN: creek into southwest corner of Pebble Beach Lake, 62°21'50"N 97°22'00"W, *K. Reading* 443, July 1985 (DAO).

The specimen cited above is encircled by six other sites in the southern half of the Territory (Porsild and Cody 1980).

*Caltha natans* Pall., Floating Marsh-marigold – KEEWATIN: northwest corner of Bissett Lake, 63°48'00"N 95°27'00"W, *K. Reading* 345, 8 Aug. 1983 (DAO).

This species is rare in the Continental District of Keewatin. The specimen cited above is an extension of the known range in the Territory of about 375 kilometers to the north and northeast from two sites in the south (Porsild and Cody 1980).

*Caltha palustris* L. var. *arctica* (R.Br.) Hultén, Marsh-marigold – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 273, 24 July 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 175 kilometers from the south end of Bathurst Inlet (Porsild and Cody 1980).

*Ranunculus aquatilis* L. var. *eradicatus* Laest., White Water Buttercup – MACKENZIE: lake bottom, Coppermine River Area, 67°32'50"N 116°13'00"W, *K. Reading* 75, 23 Aug. 2002 (DAO).

The specimen cited above is from a site midway between the south end of Bathurst Inlet and the east end of Great Bear Lake (Porsild and Cody 1980).

*Ranunculus sabinei* R.Br. – KEEWATIN: Fly Camp 3, 65°53'N 98°34'W, *S. Smith* 204, 20 July 1983 (DAO); big esker south of Bissett Lake, 63°40'40"N 95°32'00"W, *K. Reading* 373, 16 Aug. 1981 (DAO); 62°11'00"N 97°55'00"W, *K. Reading* 60, 13 July 1984 (DAO).

The specimens cited above extend the known distribution in the Territory south of the Arctic Coast into central District of Keewatin (Porsild and Cody 1980).

*Ranunculus xspitzbergensis* (Nath.) Hadac – KEEWATIN: This hybrid of *Ranunculus lapponicus* × *R. pallasii* was reported by Cody et al. (1988) on the basis of a specimen collected by K. Reading at Jaeger Creek, 62°11'20"N 97°53'00"W in 1984 and also from northern Quebec.

#### PAVAVERACEAE

*Papaver radicum* Rottb. – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 251, 4 Aug. 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory to the northeast of a site about 170 kilometers from the south end of Bathurst Inlet (Porsild and Cody 1980).

#### BRASSICACEAE (CRUCIFERAE)

*Braya glabella* Richardson – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 485, 12 Aug. 1987 (DAO) (determined by G.A. Mulligan).

The specimen cited above is an extension of the known range in the Territory of about 170 kilometers northeast of the south end of Bathurst Inlet (Porsild and Cody 1980) and is the northeasternmost site yet known in the Territory.

*Braya humilis* (C.A. Mey.) Robins. – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 486, 13 Aug. 1987 (DAO) (determined by G. A. Mulligan).

The specimen cited above is an extension of the known range in the Territory of about 170 kilometers northeast of a site west of Bathurst Inlet and is the northeasternmost yet known in the Territory (Porsild and Cody 1980). To the north it is known on Victoria Island.

*Cardamine bellidifolia* L. – MACKENZIE: dolomite ridge, Coppermine River area, 67°07'00"N 115°45'00"W, *K. Reading* 91, 28 Aug. 2002 (DAO); KEEWATIN: 62°10'30"N 97°59'00"W, *K. Reading* 474, 17 Aug. 1984 (DAO); 62°12'00"N 97°53'00"W, *K. Reading* 475, 4 Aug. 1984 (DAO) (determined by G. A. Mulligan).

The Mackenzie specimen cited above is an extension of the known range in the Territory of about 250 kilometers northwest of the south end of Bathurst Inlet. To the west it is unknown between there and the Richardson and Mackenzie mountains (Porsild and Cody 1980). The Keewatin specimens cited above are extensions of the known range in the Territory of about 70 kilometers east of the southwesternmost site mapped by Porsild and Cody (1980).

*Cardamine pratensis* L. Lady's-smock – KEEWATIN: 62°10'00"N 97°54'00"W, *K. Reading* 484, 17 July 1984 (DAO); Pebble Beach Lake, 62°21'58"N 97°30'02"W, *K. Reading* 483, 10 July 1985 (DAO); south of Bissett Lake, 63°43'N 95°18'W, *K. Reading* 482, 22 July 1982 (DAO) (determined by G. A. Mulligan).

The first two specimens cited above are from sites midway between sites near the Hudson Bay Coast and longitude 100°W. The third specimen cited above is the northernmost yet found in the Territory from south of the Arctic Circle (Porsild and Cody 1980).

*Descurainia sophioides* (Fisch. ex Hook.) O.E. Schulz – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 254, 3 Aug. 1987 (DAO) (determined by G. A. Mulligan).

The specimen cited above is an extension of the known range in the Territory of about 100 kilometers northeast of a site on the west side of Bathurst Inlet (Porsild and Cody 1980).

*Draba fladnizensis* Wulf – KEEWATIN: 62°12'30"N 97°52'00"W, *K. Reading* 507, 3 July 1984 (DAO) (determined by G.A. Mulligan).

The specimen cited above is an extension of the known range in the Territory of about 200 kilometers southeast of a site adjacent to Chesterfield Inlet (Porsild and Cody 1980) (determined by G. A. Mulligan).

*Draba juvenalis* Kom. (*D. longipes* Raup) – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 500, 12 Aug. 1987 (DAO) (determined by G. A. Mulligan).

The specimen cited above is an extension of the known range in the Territory of about 500 kilometers northeast of the east end of Great Bear Lake. To the northeast it is known from two localities on southeastern Victoria Island (Porsild and Cody 1980).

*Draba nivalis* Liljebl. – KEEWATIN: Pebble Beach Lake, 62°21'40"N 97°29'54"W, *K. Reading* 511, 28 June 1985 (DAO); 62°11'00"N 97°55'00"W, *K. Reading* 510, 13 July 1984 (DAO) (determined by G. A. Mulligan).

The specimens cited above are from sites midway between sites in the central area of the Territory south of the Arctic Circle and a site in the southeast adjacent to latitude 100°W (Porsild and Cody 1980).

*Draba wahlenbergii* Hartm. (*D. lactea* Adams) – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 497, 13 July 1990 (DAO); *K. Reading* 501, 13 Aug. 1987 (DAO); *K. Reading* 508, 12 Aug. 1987 (DAO); KEEWATIN: Camp 3, 61°12'N 97°57'W, *K. Reading* 499, 13 July 1990 (DAO); 62°10'30"N 97°59'00"W, *K. Reading* 502, 17 Aug. 1984 (DAO); Imikula Lake, 62°14'00"N 97°37'00"W, *K. Reading* 504, 18 June 1985 (DAO); Big Bird Lake, 62°17'30"N 97°39'00"W, *K. Reading* 503, 27 June 1985 (DAO); Pebble Beach Lake, 62°22'00"N 97°30'00"W, *K. Reading* 506, 7 July 1985 (DAO) (determined by G. A. Mulligan).

The District of Mackenzie specimens cited above are from sites about 170 kilometers northeast of the south end of Bathurst Inlet. To the north it is known from southern Victoria Island and is widespread throughout the Arctic Islands. The District of Keewatin specimens are sites midway between sites adjacent to the Hudson Bay Coast and the Mackenzie-Keewatin border and south of sites north of latitude 63°N (Porsild and Cody 1980).

*Erysimum pallasii* (Pursh) Fern. – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'11"N 106°37'00"W, *K. Reading* 298, 14 July 1987 (DAO); KEEWATIN: north side of Mire Creek, 61°21'00"N 97°53'30"W, *K. Reading* 514, 2 July 1990 (DAO) (determined by G. A. Mulligan).

The first specimen cited above is an extension of the known range in the Territory of about 170 kilometers northeast of the south end of Bathurst Inlet (Porsild and Cody 1980). The second specimen is a new record for the District of Keewatin and is an extension of about 765 kilometers southeast of the south end of Bathurst Inlet.

*Eutrema edwardsii* R.Br. – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 295, 14 Aug. 1987 (DAO) (determined by G. A. Mulligan).

The specimen cited above is an extension of the known range in the Territory of about 170 kilometers to the northeast from the south end of Bathurst Inlet. To the north it is known on Victoria Island and it is widespread on the Arctic Islands (Porsild and Cody 1980).

*Parrya arctica* R.Br. – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 476, 10 Aug. 1987 (DAO) (determined by G. A. Mulligan).

The specimen cited above is an extension of the known range in the Territory of about 375 kilometers east of a site west of Coronation Gulf. To the north it is known from Victoria Island and is widespread on the Arctic Islands west of longitude 90°W (Porsild and Cody 1980).

#### SAXIFRAGACEAE

*Chrysosplenium tetrandrum* (Lund) Fries – MACKENZIE: rocky lakeshore, Coppermine River Area, 67°33'30"N 116°45'00"W, *K. Reading* 44, 21 Aug. 2002 (DAO).

The specimen cited above is from a site midway between the south end of Bathurst Inlet and Coppermine (Porsild and Cody 1980).

*Saxifraga nelsoniana* D. Don ssp. *porsildiana* (Calder and Savile) Hultén (*S. punctata* L. ssp. *porsildiana* Calder & Savile) – KEEWATIN: Pebble Beach Lake, south of Yathkyed Lake, 62°22'00"N 97°30'00"W, *K. Reading* 175, 22 July 1985 (DAO).

The specimen cited above is an extension of about 250 kilometers south of the site reported by Cody et al. (2003).

*Saxifraga nivalis* L., Alpine Saxifrage – MACKENZIE: wet tundra below scarp, Coppermine River Area, 67°31'12"N 116°09'58"W, *K. Reading* 64, 22 Aug. 2002 (DAO); scarp foot wet, Coppermine River Area, 67°32'28"N 116°01'00"W, *K. Reading* 82, 30 Aug. 2002 (DAO).

The specimens cited above are from sites midway between Bathurst Inlet and Coppermine (Porsild and Cody 1980).

*Saxifraga rivularis* L. – KEEWATIN: wet shaded rocky ravine south of Wolf Lake, 63°39'00"N 95°11'00"W, *K. Reading* 360, 16 Aug. 1982 (DAO); big esker south of Bissett Lake, 63°40'40"N 95°32'00"W, *K. Reading* 374, 16 Aug. 1981 (DAO); east of Bissett Lake, 63°46'00"N 95°46'00"W, *K. Reading* 342, 27 July 1982 (DAO).

The specimens cited above are from sites midway between the Hudson Bay Coast and sites adjacent to longitude 100°W (Porsild and Cody 1980).

#### ROSACEAE

*Potentilla biflora* Willd. – MACKENZIE: wet tundra, Coppermine River Area, 66°43'10"N 114°58'00"W, *K. Reading* 523, 7 Sept. 2002 (DAO); rocky tundra and basalt outcrops, Coppermine River Area, 67°21'00"N 115°51'00"W, *K. Reading* 2, 17 Aug. 2002 (DAO); scarp foot scree, 67°30'10"N 116°10'00"W, *K. Reading* 524, 22 Aug. 2002 (DAO); clay tundra boils, Coppermine River Area, 67°31'30"N 116°14'10"W, *K. Reading* 525, 19 Aug. 2002 (DAO); Dismal Lakes, 67°29'N 117°36'W, *L.W. Stock s.n.*, 8 Aug. 1947 (DAO).

The nearest sites of this species to those listed above in this Territory are in the vicinity of the Bluenose Lake Area about 500 kilometers to the northwest (Cody et al. 2003). There is also a site to the northeast on Victoria Island (Porsild and Cody 1980).

*Potentilla nivea* L. ssp. *nivea* – KEEWATIN: high dry esker-top, east of Kazan Falls, 63°41'N 95°38'W, *K. Reading* 354, 30 Aug. 1982 (DAO); west southwest of Bissett Lake, 63°44'30"N 95°28'00"W, *K. Reading* 334, 4 Aug. 1982 (DAO); TK camp peninsula, Bissett Lake, 63°47'00"N 95°26'30"W, *K. Reading* 379, 9 Aug. 1982 (DAO).

The specimens cited above are an extension of the known range in the Territory of about 170 kilometers northeast of a site mapped by Porsild and Cody (1980).

*Potentilla palustris* (L.) Scop., Marsh Fivefinger – KEEWATIN: south of Deep Bay of Kazan River, 63°41'30"N 95°37'00"W, *K. Reading* 333, 3 Aug. 1982 (DAO).

The specimen cited above is an extension of the known range of about 170 kilometers northeast of a site in central Keewatin mapped by Porsild and Cody (1980).

*Rosa blanda* Ait. – MACKENZIE: Mackenzie River Valley survey, Creek bank, 64°35'23"N 124°48'22"W, *B. Cornish s.n.*, 17 July 2002 (DAO).

Porsild and Cody (1980) knew this species in the Territory only from the vicinity of Wrigley. The specimen cited above is an extension of the known range of about 160 kilometers to the northwest.

*Rubus arcticus* L. ssp. *acaulis* (Michx.) Focke – KEEWATIN: Griffin Lake, 61°14'55"N 98°46'00"W, *K. Reading* 89, 10 Aug. 1990 (DAO).

The specimen cited above is from a site midway between two sites mapped by Porsild and Cody (1980) in southwestern District of Keewatin.

*Rubus idaeus* L. s.l. (*R. strigosus* Michx.), Wild Red Raspberry – KEEWATIN: Griffin Lake, 61°18'40"N 98°52'00"W, *K. Reading* 532, 14 Aug. 1990 (DAO).

Porsild and Cody (1980) knew this species from a single location in the southwest of the Territory. The specimen cited above is an extension of about 100 kilometers to the north.

#### FABACEAE (LEGUMINOSAE)

*Astragalus australis* (L.) Lam. (*A. richardsonii* Sheldon) – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 264, 30 July 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory (Porsild and Cody 1980) of about 170 kilometers northwest of the south end of Bathurst Inlet. To the north it is also known from Victoria Island.

*Astragalus eucosmus* Robins. – KEEWATIN: west side of Kneeling Man Lake, south of Yathkyed Lake, 62°19'30"N 97°33'20"W, *K. Reading* 187A, 17 July 1985 (DAO); "No-camp" Lake south of Yathkyed Lake, *K. Reading* 85-17, 15 July 1985 (DAO); "Pebble Beach" Lake, south of Yathkyed Lake, 62°22'N 97°30'W, *K. Reading* 85-26, 17 July 1985 (DAO); vicinity of Meliadine Lake, 63°01'44"N 92°10'51"W, *K. Reading* 94-26, 1984 (DAO); on rock outcrop, Rankin Inlet 5 km northwest of town, 62°49'N 92°05'W, *J. B. Korol s.n.*, 19 July 1988 (DAO).

The specimens cited above are the first known from the Continental District of Keewatin (Porsild and Cody 1980).

*Astragalus eucosmus* Robins. f. *albinus* Fern. – KEEWATIN: north end of No-camp Lake, south of Yathkyed Lake, 62°22'15"N 97°27'10"W, *K. Reading* 382, 15 July 1985 (DAO).

This white-flowered form was described by Fernald (1926) on the basis of a specimen from Ha-Ha Mountain in Newfoundland. The specimen cited above is the first known from the Continental Northwest Territories.

*Hedysarum alpinum* L., Liquorice-root – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts

Lake, 68°10'30"N 106°33'00"W, *K. Reading* 236, 8 Aug. 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 80 kilometers from a site in the middle of Bathurst Inlet. It is the most northeastern site yet known in the Territory.

*Hedysarum boreale* Nutt. ssp. *mackenzii* (Richards.) Welsh (*H. mackenzii* Richards.) – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 237, 8 Aug. 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 170 kilometers northeast of the south end of Bathurst Inlet (Porsild & Cody 1980). To the north it is known on Victoria Island.

*Lupinus arcticus* Wats. – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 237, 2 Aug. 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 170 kilometers to the northeast of the south end of Bathurst Inlet. To the northeast it is known on Victoria Island (Porsild and Cody 1980).

*Oxytropis arctobia* Bunge – MACKENZIE: George Lake, south of Bathurst Inlet at the head of Western River, approx. 65°57'20"N 107°30'W, *K. Reading* 451, 18 Aug. 1988 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 75 kilometers south of the south end of Bathurst Inlet (Porsild and Cody 1980).

*Oxytropis deflexa* (Pall.) DC. ssp. *foliosa* (Hook.) Cody – MACKENZIE: Amphibolite ridge crown, north of the east arm of Great Slave Lake, 62°42'N 113°05'W, *K. Reading* 12, 13 Sept. 2002 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 27 kilometers east of a site in the vicinity of Yellowknife (Cody et al. 2003).

*Oxytropis maydelliana* Trautv. – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 224, 8 Aug. 1987, 244, 6 Aug. 1987 (DAO).

The specimens cited above are an extension of the known range in the Territory of about 170 kilometers northeast of the south end of Bathurst Inlet. To the northeast it is known on Victoria Island (Porsild and Cody 1980).

#### CALLITRICHACEAE

*Callitriche hermaphroditica* L. – MACKENZIE: silty lake bottom, Coppermine River Area, 67°32'55"N 116°13'00"W, *K. Reading* 540, 23 Aug. 2002 (DAO).

The specimen cited above which is the northwesternmost yet found in the Territory, is an extension of the known range of about 170 kilometers to the northwest from a site near the east end of Great Bear Lake (Porsild and Cody 1980).

#### ELEAGNACEAE

*Shepherdia canadensis* (L.) Nutt., Soapberry – KEEWATIN: Camp 2, 61°21'00"N 97°53'30"W, *K. Reading* 542, 4 July 1990 (DAO).

The species is new to the flora of mainland Keewatin. It is a southeastward extension of the known range of about 425 kilometers from a site near the eastern limit of the District of Mackenzie (Porsild and Cody 1980).

#### ONAGRACEAE

*Epilobium davuricum* Fisch. – KEEWATIN: dark frost-boils, T-Bone Lake, SY, 62°13'N 97°53'W, *K. Reading* 390, 15 Aug. 1984 (DAO).

The specimen cited above is from a site midway between two sites in the Territory reported by Cody et al. (2003).

*Epilobium latifolium* L. f. *albiflorum* Nath. – KEEWATIN: Griffin Lake, 61°14'30"N 98°38'00"W, *K. Reading* 544, 17 Aug. 1990 (DAO).

Porsild and Cody (1980) stated that the flowers of this species were purple or rarely white, but no localities of the white flower form have previously been reported for this region.

*Epilobium palustre* L., Swamp Willowherb – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 247, 6 Aug. 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 170 kilometers to the northeast of a site near the south end of Bathurst Inlet (Porsild and Cody 1980).

#### HALORAGACEAE

*Myriophyllum alterniflorum* DC. – MACKENZIE: Panhandle Lake, SE of Parsons, 68.9104°N 121.555°W, *J. Lancaster* 13, 2003 (DAO).

This is a rare species in the Territory (McJannet et al. 1995). The specimen cited above is from a site about 185 kilometers northwest of a site adjacent to the northeast end of Great Bear Lake.

#### PYROLACEAE

*Moneses uniflora* (L.) Gray, One-flowered Pyrola – KEEWATIN: Griffin Lake, 61°16'40"N 98°42'00"W, *K. Reading* 551, 22 July 1990 (DAO); in white spruce copses on tundra, very local, small colonies, north of Griffin Lake, 61°02'N 98°12'W, *K. Reading* s.n., 15 Aug. 1990 (DAO).

This species is new to Continental District of Keewatin. The nearest sites known to Porsild and Cody (1980) were near the east end of Great Slave Lake about 700 kilometers to the northwest and adjacent to Hudson Bay in the vicinity of Churchill, Manitoba, about 250 kilometers to the southeast.

*Pyrola secunda* L. s.l. – KEEWATIN: north of Bissett Lake, 63°48'30"N 95°24'00"W, *K. Reading* 364, 13 Aug. 1982 (DAO).

The specimen cited above is from the central part of the District of Keewatin about 200 kilometers south and 250 kilometers northeast of sites mapped by Porsild and Cody (1980).

#### ERICACEAE

*Arctostaphylos alpina* (L.) Spreng., Alpine Bearberry – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 291, 7 July 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 80 kilometers to the northeast of a site adjacent to Bathurst Inlet (Porsild and Cody 1980).

*Ledum groenlandicum* Oeder, Labrador-tea – KEEWATIN: UG Lake, 62°45'00"N 98°40'00"W, *K. Reading* 454, date unknown (DAO); lakeshore, northwest of Imikula Lake, 62°02'N 97°40'W, *K. Reading* 459, July-August 1984 (DAO).

The specimens cited above are the northernmost yet found in the Territory (Porsild and Cody 1980).

*Vaccinium vitis-idaea* L. var. *minus* Lodd., Mountain Cranberry – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 282, 22 July 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 80 kilometers to the east of a site on the west side of Bathurst Inlet (Porsild and Cody 1980).

#### GENTIANACEAE

*Gentiana affinis* Griseb. – MACKENZIE: Mackenzie River Valley pipeline survey, stream bed and low terraces along small creek/with gravel bars upstream, 63°22'38"N 123°29'35"W, *L. Kershaw* s.n., 6 Aug. 2002 (DAO); riparian fluvial silt along river, 66.7082°N 129.3002°W, *L. Kershaw* 8, 2003 (DAO).

McJannet et al. (1995) knew this rare species in the Northwest Territories from locations at the west end of Great Slave Lake in the vicinity of Fort Good Hope, Mackenzie Mountains in the vicinity of the Keele River and near Fort Norman. The first specimen cited above is from north of Wrigley. The second specimen is the northernmost yet found in the Territory and is an extension of the known range of about 150 kilometers northwest of Fort Good Hope.

#### LAMIACEAE

*Lycopus uniflorus* Michx., Tuberous Water-horehound – MACKENZIE: muddy run south side of beaver lodge near NW corner lake, 62.9858°N 123.1755°W, *L. Kershaw* 11, 2003 (DAO).

This is a rare species in the Territory (McJannet et al. 1995), previously known from only east of the Slave River (Porsild and Cody 1980). The specimen cited above is an extension of the known range in the Territory of about 635 kilometers to the northwest.

#### SCROPHULARIACEAE

*Lagotis glauca* Gaertn. ssp. *minor* (Willd.) Hultén – MACKENZIE: hill west of Canoe Lake, head of creek, 68°15'N 135°54'W, *V. J. Krajina* s.n., 11 Aug. 1965 (DAO).

The specimen cited above is from a site about 100 kilometers north of a site mapped by Porsild & Cody (1980). This site is the northernmost yet found in the Territory.

*Limosella aquatica* L., Mudwort – MACKENZIE: black spruce/Labrador Tea/cloudberry area in strip of exposed mud, 63.4867°N 123.6914°W, *L. Kershaw* 10, 2003 (DAO).

This is a rare species in the Territory (McJannet et al. 1995). The specimen cited above is from a site midway between the

east end of Great Bear Lake and a site adjacent to the Canol Road in the Yukon Territory.

*Pedicularis capitata* Adams – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 271, 28 July 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 80 kilometers east of a site on the west side of the north end of Bathurst Inlet (Porsild and Cody 1980).

*Pedicularis langsdorffii* Fisch. ssp. *arctica* (R.Br.) Pennell ex Hultén (*P. arctica* R.Br.) – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 272, 26 July 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 170 kilometers northeast of a site at the south end of Bathurst Inlet (Porsild and Cody 1980).

*Pedicularis lapponica* L., Lapland Lousewort – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°30'00"W, *K. Reading* 234, 8 Aug. 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 170 kilometers northeast of the south end of Bathurst Inlet (Porsild and Cody 1980).

*Pedicularis macrodonta* Richards. (*P. parviflora* Smith ex Rees var. *macrodonta* (Richards.) Welsh – MACKENZIE: in graminoid/shrub fen with *Juncus stygius*, 60.6382°N 120.34633°W, *D. Soppet* 16, 17 Aug. 2003 (DAO).

This is a rare species in the District of Mackenzie (McJanet et al. 1995). The specimen cited above is only the second known in the Territory and is about 200 kilometers west of the west end of Great Slave Lake.

#### RUBIACEAE

*Galium trifidum* L. – KEEWATIN: among shoreline rocks just north of TK camp, Bissett Lake, 63°47'02"N 95°26'31"W, *K. Reading* 358, 30 Sept. 1982 (DAO).

The specimen cited above is the northernmost yet found in the Territory (Porsild and Cody 1980). It is about 300 kilometers north of the only site known to Porsild and Cody (1980).

#### CAPRIFOLIACEAE

*Linnaea borealis* L. var. *americana* (Forbes) Rehd., Twinflower – MACKENZIE: spruce "island" on dolomite ridge, Coppermine River Area, 67°07'00"N 115°45'00"W, *K. Reading* 84, 28 Aug. 2002 (DAO).

The specimen cited above is the most northeasterly yet found in the Territory (Porsild and Cody 1980). It is from a site about 250 kilometers northeast of the east end of Great Bear Lake.

#### CAMPANULACEAE

*Campanula uniflora* L. – KEEWATIN: west southwest of Bissett Lake, 63°43'20"N 95°30'00"W, *K. Reading* 337, 4 Aug. 1982 (DAO).

The specimen cited above is from a site midway between a site adjacent to the Hudson Bay Coast and a site adjacent to longitude 100°W (Porsild and Cody 1980).

#### ASTERACEAE

*Antennaria isolepis* Greene – KEEWATIN: south of east end of Bissett Lake, 63°43'00"N 95°11'00"W, *K. Reading* 403, 15 Aug. 1982 (DAO); south of Bissett Lake, 63°41'30"N 95°18'00"W, *K. Reading* 418, 22 July 1982 (DAO); 10 miles northeast of Bissett Lake, 63°56'99"N 95°07'00"W, *K. Reading* 405, 3 July 1981 (DAO).

The specimens cited above are from sites about 200 kilometers northeast and southeast of sites about longitude 99°W in the Territory (Porsild and Cody 1980).

*Arnica angustifolia* Vahl in Hornem. ssp. *attenuata* (Greene) Douglas & Ruyle-Douglas (*A. alpina* (L.) Olin ssp. *attenuata* (Greene) Maguire) – MACKENZIE: Coppermine River Area, scarp slope, *K. Reading* 33, 19 Aug. 2002 (DAO); foot of scarp in sand, 67°31'10"N 116°09'54"W, *K. Reading* 54, 22 Aug. 2002 (DAO); sand/gravel ridge, 67°23'45"N 116°27'00"W, *K. Reading* 32, 16 Aug. 2002 (DAO).

The specimens cited above extend the known distribution in the Territory about 170 kilometers to the northeast from a site adjacent to the southeast end of Great Bear Lake (Porsild and Cody 1980).

*Arnica chamissonis* Less. – MACKENZIE: Yellowknife Area, roadside clearing, Boulder Bay, 62°32'00"N 113°20'00"W, *K. Reading* 11, 11 Sept. 2002 (DAO).

The specimen cited above is from a site about 170 kilometers northwest of a site on the south side of eastern Great Slave Lake.

*Artemisia furcata* Bieb. (*A. hyperborea* Rydb.) – MACKENZIE: Coppermine River Area, 67°32'30"N 116°00'00"W, *K. Reading* 582, 29 Aug. 2002 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 160 kilometers to the southeast of a site west of Coppermine and northeast of a site at the west end of Great Bear Lake (Porsild and Cody 1980).

*Artemisia tilesii* Ledeb. s.l. – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, 68°10'30"N 106°33'00"W, *K. Reading* 248, 3 Aug. 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 170 kilometers northeast of a site near the south end of Bathurst Inlet (Porsild and Cody 1980). It is the northeasternmost site yet known in the Territory.

*Aster puniceus* L., Purple-stemmed Aster – MACKENZIE: in calcareous area where stream widens and pools on flat area before flowing into mineral lake, Wrigley area, 62.7307°N 123.1098°W, *D. Soppet* 26B, 2003 (DAO).

Porsild and Cody (1980) suggested that this species should be looked for on the Salt Plain west of Fort Smith. The specimen cited above is from a site about 730 kilometers northwest of a site mapped near the west end of Lake Athabasca by Porsild and Cody.

*Aster pygmaeus* Lindl. – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 225, 9 Aug. 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 125 kilometers northeast of a site about the middle of Bathurst Inlet and it is the northeasternmost yet known in the Territory (Porsild and Cody 1980).

*Aster sibiricus* L. – MACKENZIE: Coppermine River Area, foot of scarp, sandy, 67°31'10"N 116°09'54"W, *K. Reading* 55, 22 Aug. 2002 (DAO); sandy slope near scarp, 67°32'50"N 116°13'00"W, *K. Reading* 584, 23 Aug. 2002 (DAO).

The specimens cited above are from sites midway between the south end of Bathurst Inlet and the vicinity of Coppermine (Porsild and Cody 1980).

*Crepis nana* Richards. – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 300, 14 July 1987 (DAO); George Lake, south of Bathurst Inlet at the head of Western River, 65°57'20"N, 107°30'W, *K. Reading* 453, 18 Aug. 1988 (DAO); sandy ridge, Coppermine River Area, 67°24'00"N 116°24'00"W, *K. Reading* 586, 18 Aug. 2002 (DAO).

The first specimen cited above is an extension of the known range in the Territory of about 170 kilometers northeast of the south end of Bathurst Inlet. The second specimen is from a site about 170 kilometers northwest of the south end of Bathurst Inlet (Porsild and Cody 1980).

*Erigeron uniflorus* L. ssp. *eriocephalus* (Vahl. ex Hornem.) Cronq. (*E. eriocephalus* Vahl. ex Hornem.) – MACKENZIE: Coppermine River Area, sand ridge near creek, 67°23'00"N 116°27'00"W, *K. Reading* 595, 16 Aug. 2002 (DAO).

The specimen cited above is from a site midway between the vicinity of Coppermine and the south end of Bathurst Inlet (Porsild and Cody 1980).

*Matricaria ambigua* (Ledeb.) Kryl., Sea-shore Camomile – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 268, 30 July 1987 (DAO); Windy Lake, 68°03'15"N 106°37'00"W, *K. Reading* 290, 7 July 1987 (DAO).

The specimens cited above are an extension of the known range in the Territory of about 170 kilometers northeast of the south end of Bathurst Inlet (Porsild and Cody 1980).

*Senecio congestus* (R.Br.) DC. – MACKENZIE: Hope Bay Area, northeast of Bathurst Inlet, Roberts Lake, 68°10'30"N 106°33'00"W, *K. Reading* 232, 10 Aug. 1987 (DAO).

The specimen cited above is an extension of the known range in the Territory of about 170 kilometers to the northeast from the south end of Bathurst Inlet (Porsild and Cody 1980).

*Solidago graminifolia* (L.) Salisb. var. *major* (Michx.) Fern. (*Euthamis graminifolia* (L.) Nutt. var. *graminifolia*) – MACKENZIE: clearing with coarse rocks as soil base, #3 bay south of R.R.T.P. Camp, Tsu Lake, 60°35'N 111°52'W, *J. Thompson s.n.*, 19 Aug. 1980 (DAO); rocky shoreline, 250 metres west of Tsu Lake camp, 60°35'N 111°52'W, *D. Campbell s.n.*, 19 Aug. 1980 (DAO); river banks, 63.4719°N 123.7029°W, *L. Kershaw* 27, 2003.

Porsild and Cody (1980) and McJannet et al. (1995) knew this rare plant in the Territory only from the vicinity of Fort

Simpson. The first two specimens cited above are from sites northeast of Lake Athabasca. The third specimen is a northward extension adjacent to the Mackenzie River of about 100 kilometers from the northernmost mapped by Porsild and Cody (1980).

## Acknowledgments

We thank the many individuals who have contributed specimens to the DAO Herbarium; George Argus for the identification of *Salix*; Gerry Mulligan for the identification of Cruciferae; Leslie Cody for the many hours inputting this information on her computer; and Paul Catling for reviewing an earlier version of this manuscript.

## Literature Cited

- Argus, G. W. 2001. A Guide to the identification of willows in Alaska, the Yukon Territory and adjacent regions (published privately).
- Cody, W. J., M. Blondeau, and J. Cayouette. 1988. *Ranunculus × spitzbergensis* (Nath.) Hadac, An addition to the flora of North America. *Rhodora* 90: 27-36.
- Cody, W. J., K. L. MacInnes, J. Cayouette, and S. Darbyshire. 2000. Alien and Invasive Native Plants along the Norman Wells Pipeline, District of Mackenzie, Northwest Territories, *Canadian Field-Naturalist* 114: 126-137.
- Cody, W. J., K. L. Reading, and J. M. Line. 2003. Additions and Range Extensions to the Vascular Plant Flora of the Continental Northwest Territories and Nunavut, Canada II. *Canadian Field-Naturalist* 117: 448-465.
- Cody, W. J., G. W. Scotter, and S. C. Zoltai. 1984. Additions to the Vascular Plant Flora of Bathurst Inlet, Northwest Territories, Canada. *Canadian Field-Naturalist* 98: 171-177.
- Cody, W. J., G. W. Scotter, and S. C. Zoltai. 1992. Vascular Plant Flora of the Melville Hills Region, Northwest Territories. *Canadian Field-Naturalist* 106: 87-99.
- Cody, W. J. and S. S. Talbot. 1978. Vascular Plant Range Extensions to the Heart Lake Area, District of Mackenzie, Northwest Territories. *Canadian Field-Naturalist* 92: 137-143.
- Haynes, R. R. 1974. A Revision of North American *Potamogeton* subsection *Pusilli* (Potamogetonaceae). *Rhodora* 76: 564-649.
- Fernald, M. L. 1926. Two summers of botanizing in Newfoundland. *Rhodora* 28: 215.
- McJannet, C. L., G. W. Argus, and W. J. Cody. 1995. Rare Vascular Plants in the Northwest Territories. *Syllogeus* 73, Canadian Museum of Nature, Ottawa. 104 pages.
- Porsild, A. E. 1939. Notes on the occurrence of *Zostera* and *Zanichellia* in arctic North America. *Rhodora* 73: 90-94.
- Porsild, A. E., and W. J. Cody. 1980. Vascular Plants of Continental Northwest Territories, Canada. National Museum of Natural Sciences, Ottawa. 667 pages.
- Scotter, G. W., and W. J. Cody. 1974. Vascular Plants of Nahanni National Park and Vicinity, Northwest Territories, *Naturaliste Canadien* 101: 861-891.
- Thieret, J. W. 1961. New Plant Records for Southwestern District of Mackenzie, *Canadian Field-Naturalist* 75: 111-121.

Received 20 October 2004

Accepted 11 March 2005