



*Atlantic Canada Conservation Data Centre*  
*Centre de données sur la conservation du Canada Atlantique*

# **Documenting Conservation Priorities on the Limestone Tributaries of the Saint John River, New Brunswick**



**A report to the New Brunswick Wildlife Trust Fund**

**April 2016**

**David Mazerolle, Sean Blaney and Alain Belliveau**

**Atlantic Canada Conservation Data Centre, Sackville, NB**



## **BACKGROUND AND PROJECT RATIONALE**

River valleys are especially diverse portions of any landscape because of their wide range of moisture, exposure and disturbance regimes. In highly altered landscapes, they can also often retain the most natural communities because of difficulties inherent in farming and settling their steep slopes and flood-prone bottomlands.

Due to underlying calcareous sedimentary bedrock (Fyffe and Richard 2007), the rich watersheds of western Carleton and Victoria counties support an exceptionally high diversity of provincially rare vascular plants (MacDougall 1997; MacDougall and Loo 1998; Hinds 2000, AC CDC 2015) including many Appalachian hardwood forest species that reach their northern and eastern range limits in western New Brunswick, as well as many wetland species associated with high-pH Eastern White Cedar swamps, fens and other wetland types. The Meduxnekeag River valley in particular supports many of the best remaining examples of undisturbed Appalachian hardwood forest in the Maritimes.

Because rich calcareous soils tend to be especially suitable for agriculture, a high proportion of rich Appalachian hardwood forest communities in the study region have been lost to human uses. Most extant occurrences in the province consist of small remnants situated within highly fragmented agricultural landscapes. Land ownership in western Carleton and Victoria counties is predominantly private, with very little Crown land that can contribute to the provincial protected area network. Forest harvesting and forest conversion for agriculture represent significant ongoing threats. Non-governmental efforts are thus crucial to the conservation of remaining examples of the rare species-rich and provincially significant plant communities in this region.

Over the past 15 years, the Meduxnekeag River Association (MRA) and Nature Conservancy of Canada (NCC) have worked together to develop an outstanding Nature Preserve network along the Meduxnekeag River, with efforts recently expanding to other parts of the Meduxnekeag watershed. NCC's revised conservation plan for the area also aims to expand efforts to other watersheds. These organizations rely on available rare species and ecological community data to guide future land acquisitions, but data on ecological values at the scale of individual properties is often limited, making the prioritization of conservation action more difficult. With this in mind, the AC CDC has formed a close partnership with the MRA and NCC to conduct field surveys in the region that precisely document rare species occurrences and identify high-priority sites for conservation.

With project funding from the New Brunswick Wildlife Trust Fund (WTF), the AC CDC expanded on previous fieldwork carried out in 2013 and 2014, conducting biological inventories along three tributaries of the Saint John River: the Aroostook River in Victoria County, Big Presque Isle Stream in Carleton County and the Meduxnekeag River in Carleton County (Figure 1).

## METHODS

Prior to fieldwork, relatively intact sites potentially supporting rare upland, wetland and shoreline plant communities were identified along three river valleys using aerial photography, used in combination with AC CDC rare species data to ensure that sites had not previously been extensively covered.

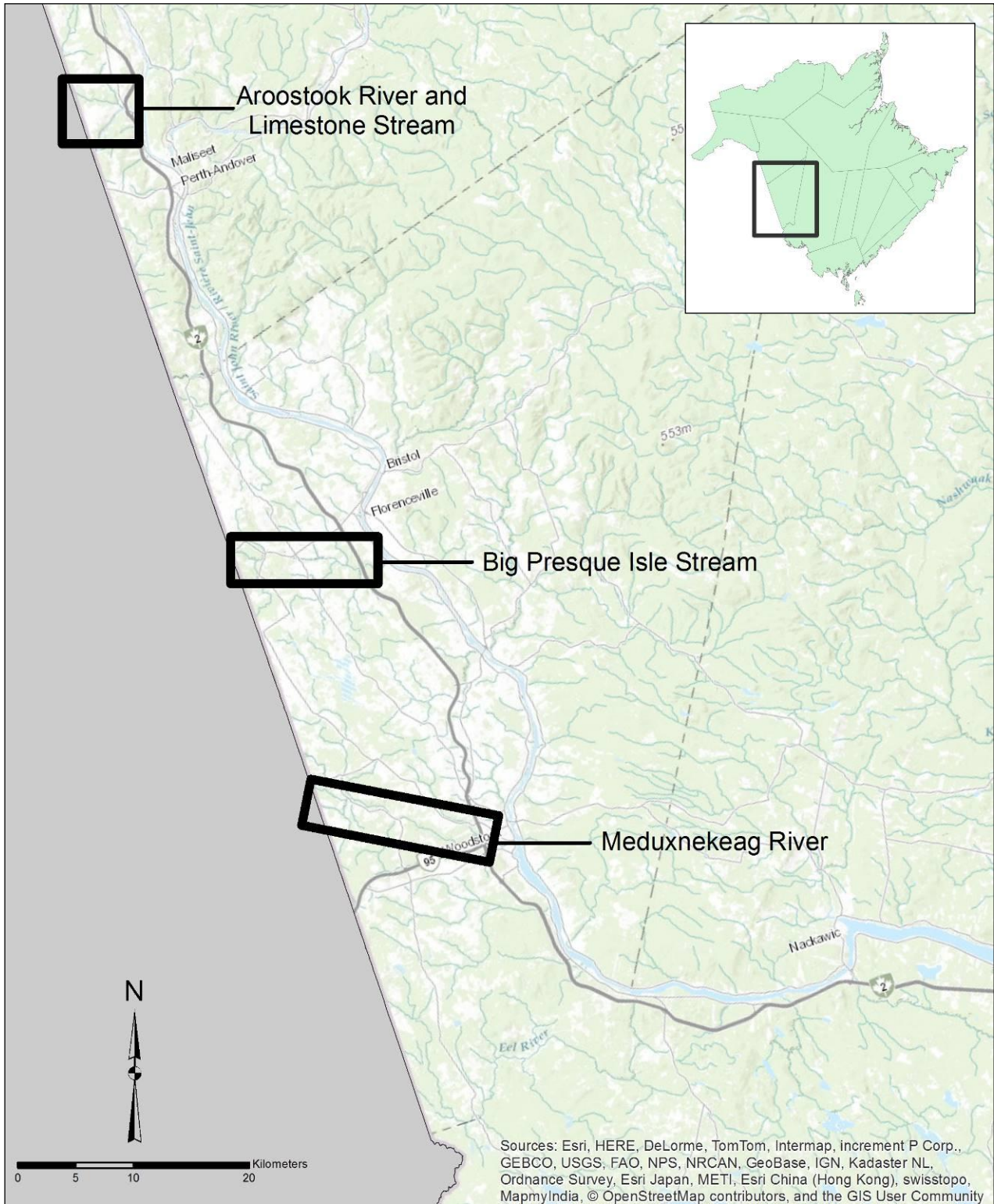
From July 2<sup>nd</sup> to 10<sup>th</sup> 2015, Sean Blaney (AC CDC Executive Director/Senior Scientist), David Mazerolle (AC CDC Botanist) and Alain Belliveau (AC CDC Botanist) devoted 16 person days (roughly 27 work days if including overtime) to surveys focused on documenting provincially rare plants and ecological communities. Figure 1 shows the location of the surveyed sites, situated in the valleys of the Aroostook River, Big Presque Isle Stream and the Meduxnekeag River. Each of these three eastern-flowing tributaries of the Saint John River originate in northeastern Maine and are at least partially underlain by limestone (Fyffe and Richard 2007). Three person days were spent surveying the Aroostook River valley including Limestone Stream (July 8<sup>th</sup>), three were spent surveying the Big Presque Isle Stream valley (July 7<sup>th</sup>) and ten were devoted to surveys on the Meduxnekeag River (July 2<sup>nd</sup>, 3<sup>rd</sup>, 9<sup>th</sup> and 10<sup>th</sup>).

During fieldwork, botanists focused on areas with some potential to contain rich upland hardwood forests, calcareous bottomlands and high-pH river shores (limestone outcrops, seepy cobble shores, etc.), but generally made efforts to cover a sample of all habitat types found within a surveyed area. Each botanist recorded a GPS track log throughout survey coverage and these are mapped below in Figures 2 to 5. We compiled full vascular plant species lists for each site, assigning general descriptions of species' abundance within a surveyed area as follows: *rare* – present in small numbers at very few locations; *uncommon* – present at roughly four or five locations in small numbers or one or two locations in large numbers; *locally common* – present at several locations in larger numbers but not widespread; *fairly common* – widespread at the site but generally not in very large numbers; *common* – widespread at the site and present in large numbers. For any provincially rare species encountered during surveys (those species with provincial status ranks [S-ranks], of S1 to S3S4 and/or provincial General Status Ranks of At Risk, May Be At Risk or Sensitive; see appendices 1 and 2 for rank definitions), we recorded precise locations by GPS (accurate to 10 m or less), along with information on population size and extent, habitat and associated species. Any individuals or patches separated from others by a distance of 10 m or more were generally considered distinct locations and recorded separately. A majority of rare species occurrences were also documented by voucher specimens that will be deposited at the New Brunswick Museum in Saint John, with duplicates to the Connell Memorial Herbarium at the University of New Brunswick in Fredericton and the Agriculture and Agri-Food Canada Collection of Vascular Plants in Ottawa.

In addition to vascular plant data, incidental observations for rare or COSEWIC (Committee on the Status of Endangered Wildlife in Canada)-listed animals were recorded whenever these species were detected. Observations of non-rare birds were also recorded, with breeding evidence recorded using the methods of the Maritimes Breeding Bird Atlas (<http://www.mba-aom.ca>).

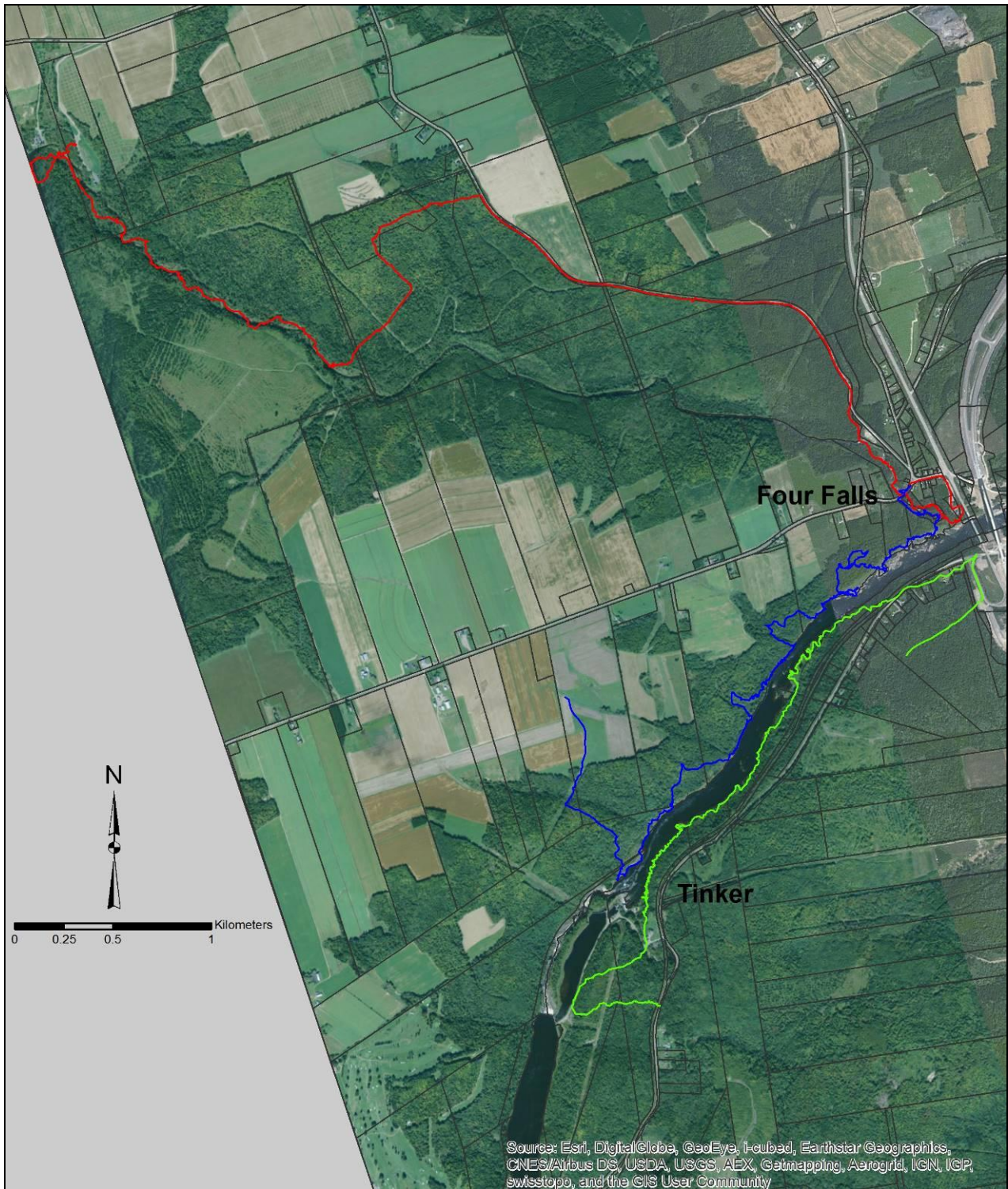
All species occurrence data has been compiled and will be permanently documented and maintained in the Atlantic Canada Conservation Data Centre database.





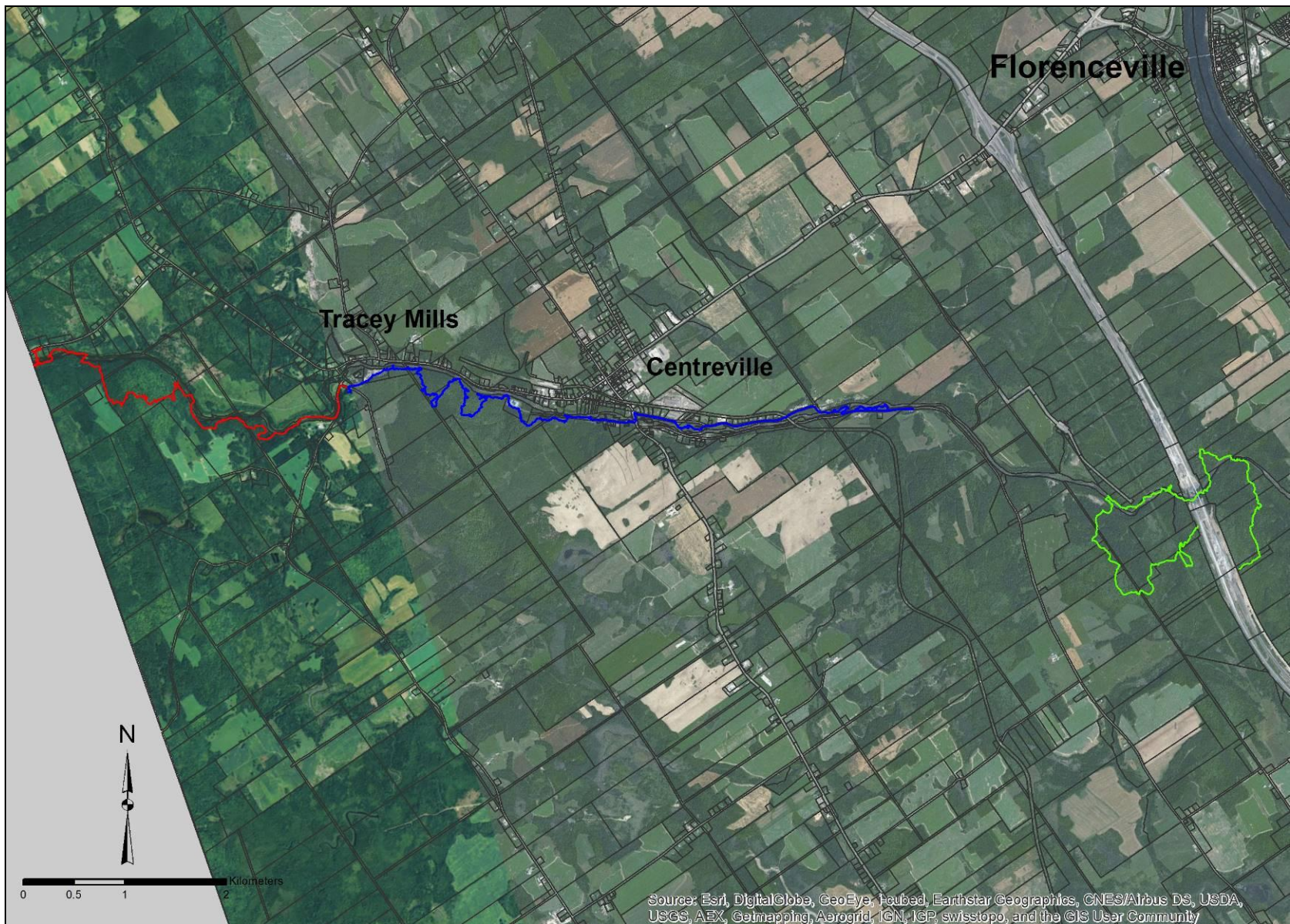
**Figure 1.** Location of surveyed areas in southwestern Carleton County and southwestern Victoria County, NB.





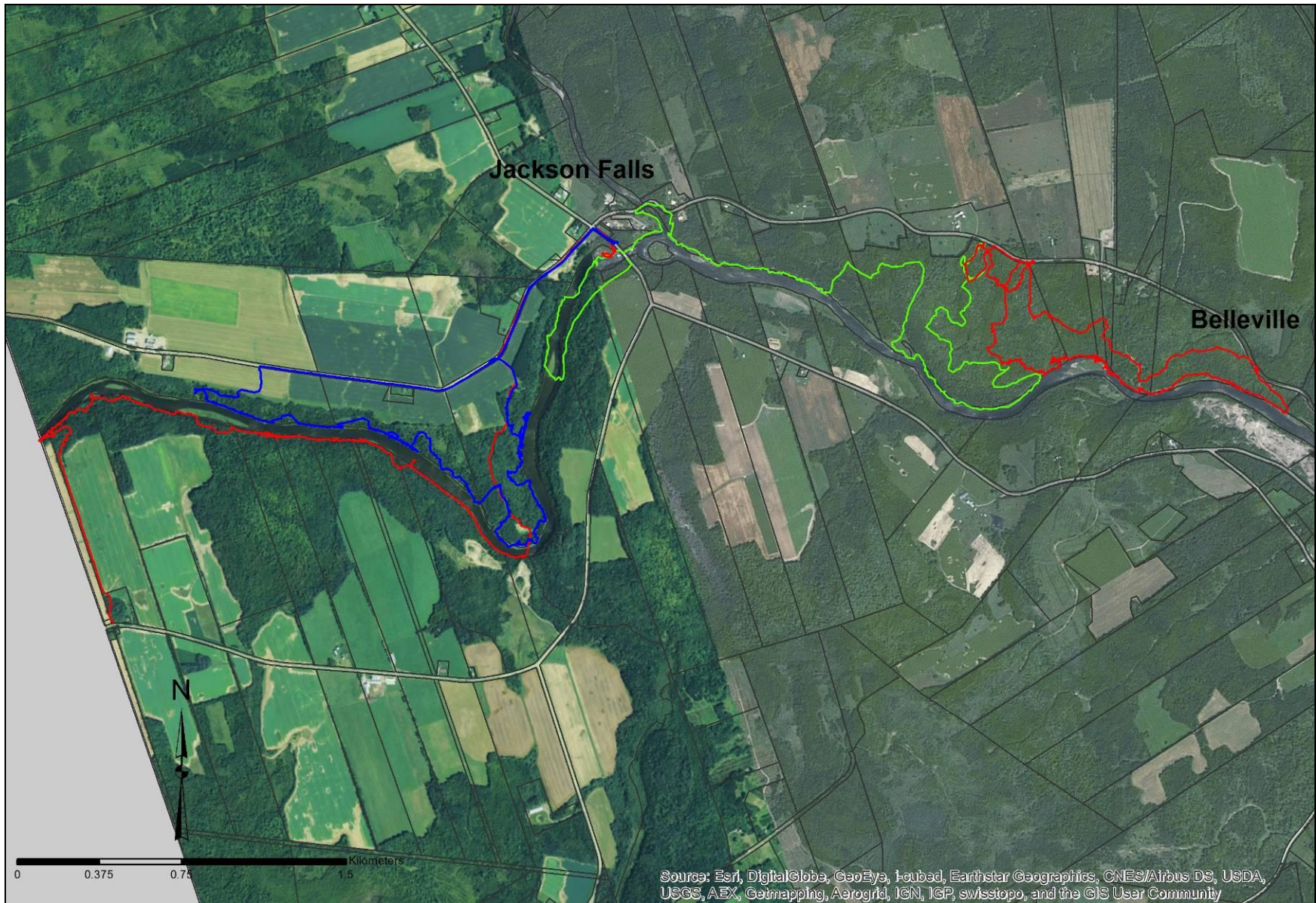
**Figure 2.** Survey coverage along the Aroostook River and Limestone Stream, Victoria County, NB. Colored lines represent track files logged by GPS units during survey (red line = C.S. Blaney, blue line = D.M. Mazerolle, green line = A.G. Belliveau).





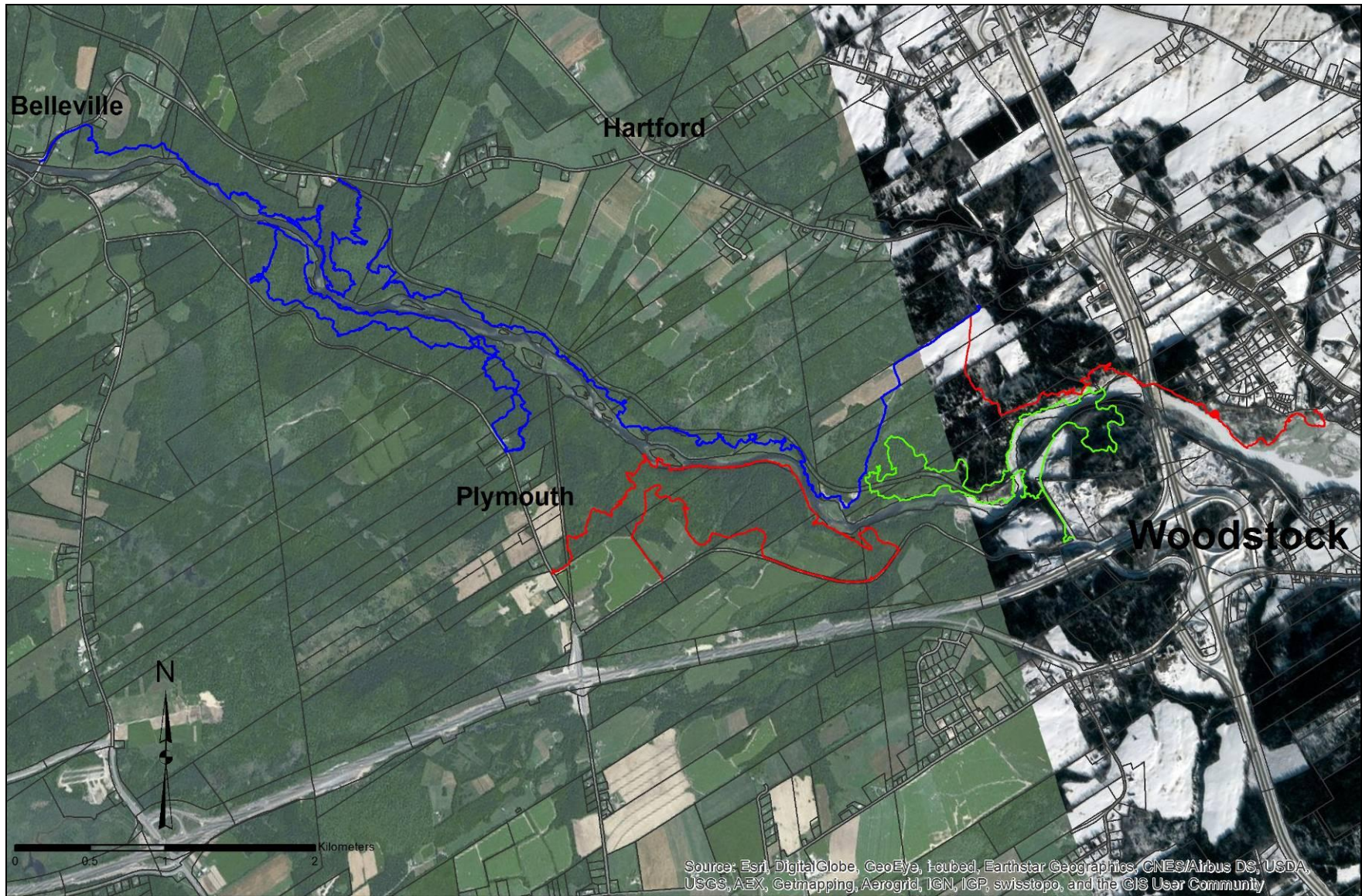
**Figure 3.** Survey coverage along Big Presque Isle Stream, Carleton County, NB. Colored lines represent track files logged by GPS units during survey (red line = C.S. Blaney, blue line = D.M. Mazerolle, green line = A.G. Belliveau).





**Figure 4.** Survey coverage along the upper Meduxnekeag River (US border to Belleville), Carleton County, NB. Colored lines represent track files logged by GPS units during survey (red line = C.S. Blaney, blue line = D.M. Mazerolle, green line = A.G. Belliveau).





**Figure 5.** Survey coverage along the lower Meduxnekeag River (Belleville to Woodstock), Carleton County, NB. Colored lines represent track files logged by GPS units during survey (red line = C.S. Blaney, blue line = D.M. Mazerolle, green line = A.G. Belliveau).

# RESULTS

## Vascular Plant Species Richness

Across all surveyed sites, we documented nearly 5,500 vascular plant records of approximately 740 different taxa, 76% of which are native to New Brunswick and 24% of which are exotic. Statistics summarizing plant diversity at each site are compiled in the “Site Summaries” section below.

Native species richness averaged 390 across all three river valleys surveyed and ranged from 326 along Big Presque Isle Stream to 488 along the Meduxnekeag River. The proportion of exotic species by site was relatively consistent, varying from 23% along the Aroostook and Meduxnekeag rivers to 28% along Big Presque Isle Stream, and averaging 25%.

Although it provides a general indication of a site’s habitat diversity and richness, native species counts are not a robust indicator of site condition or relative conservation value. Likewise, exotic species counts do not always provide an accurate inverse measure of a site’s ecological integrity. Both metrics are influenced by search effort, survey coverage, and the extent to which anthropogenic habitats were traversed. Highest native and total species richness were documented along the Meduxnekeag River, which received 63% of the total survey effort carried out through this project.

A full list of all vascular plants documented through this project, with on-site abundance, is provided in Appendix 3.

## Rare Vascular Plant Species

We discovered populations of 68 provincially rare vascular plant species, including 14 critically imperiled species (S1 and S1S2), 22 imperiled species (S2 and S2S3) and 32 vulnerable species (S3 and S3S4). The most important finds made through this project were the discovery of two species not previously known to be present in New Brunswick: Eastern Woodland Sedge (*Carex blanda*) and Prickly Gooseberry (*Ribes cynosbati*), both of which were found in the understory of remnant mature forest on the lower Meduxnekeag River at Woodstock. Both of these are widespread eastern North American species, are known from Maine and southern Quebec, and occur in New Brunswick at the northeastern limit of their global range. Other notable finds include the second documented population of Yellow-fruited Sedge (*Carex annectens*) in New Brunswick and the third documented population of Mucronate Blue-eyed-grass (*Sisyrinchium mucronatum*), both found along the shores of the lower Meduxnekeag River between Plymouth and Woodstock. In Canada, Yellow-fruited Sedge is known to occur from southern Ontario to Prince Edward Island and is considered imperiled to critically imperiled in all provinces. Prior to this project, its known provincial distribution was limited to a single site near Saint-Henry-de-Barachois in Westmorland County. Mucronate Blue-eyed-grass is a small plant of the Iris family that occurs along the Atlantic Coastal Plain and inland to the Great Lakes Region, Manitoba and North Dakota. This species, which is rare in northern Maine and apparently absent from Quebec, had previously been documented in New Brunswick from the St. Francis River in Madawaska County and the upper Meduxnekeag River near Jackson Falls. Both of these

populations were discovered through AC CDC fieldwork funded by the New Brunswick Wildlife Trust Fund.

We documented 878 rare plant locations, with 148 locations of critically imperiled species, 284 locations of imperiled species and 446 locations of vulnerable species (see Figures 6 to 9). These occurrences represent 92 species by survey site combinations. Numbers presented here only reflect occurrences for which we were able to provide a confident identification; specimens from an additional 34 locations were identified as probable or potential rare species occurrences. Expert review of some difficult specimens will likely result in the documentation of additional rare species occurrences at our survey sites and may slightly increase the total number of rare species discovered through this project. Of particular note are specimens that have been identified as potentially being Georgia Bulrush (*Scirpus georgianus*; not presently known to occur in NB), Appalachian Sedge (*Carex appalachica*; S1, May Be At Risk) and Woolgrass Bulrush (*Scirpus atrovirens*, S1, May Be At Risk). The rare species documented through this project, with provincial status ranks and on-site abundance, are compiled in Tables 1 and 2.

Rare species richness was found to be highest in the Meduxnekeag River valley, where 54 species were detected, including 13 critically imperiled species and 14 imperiled species. Numbers of detected rare species were significantly lower along the Aroostook River and Big Presque Isle Stream, with 22 and 17 species respectively. Documented rare species richness is to some extent biased by search effort and area of survey coverage, which were significantly greater along the Meduxnekeag River. Despite this bias, the results of this project and previous efforts carried out by the AC CDC and other botanists clearly demonstrate that the Meduxnekeag River valley holds one of New Brunswick's greatest assemblages of rare species as well as the province's most significant examples of remnant rich Appalachian hardwood forest communities.

### **Parcels of High Conservation Value**

Our fieldwork identified 26 parcels of land supporting five or more provincially rare vascular plant species and eight properties supporting over ten rare species. These parcels of land which represent areas of especially high conservation value are highlighted below in Table 2.

### **Animals**

We documented 420 incidental observations of 75 bird species. These included 21 site location records for the COSEWIC-listed Wood Thrush (*Hylocichla mustelina*, S1S2B, Threatened), Chimney Swift (*Chaetura pelagica*, S2S3B, Threatened), Barn Swallow (*Hirundo rustica*, S3B, Threatened), Canada Warbler (*Wilsonia canadensis*, S3S4B, Threatened) and Bobolink (*Dolichonyx oryzivorus*, S3S4B, Special Concern), and 36 location records for 12 other provincially rare breeding bird species. Rare bird observations are compiled in Table 3.



## SITE SUMMARIES

### Aroostook River (including Limestone Stream)

**Survey date:** July 8<sup>th</sup> 2015

**Observers:** C.S. Blaney, D.M. Mazerolle, A.G. Belliveau

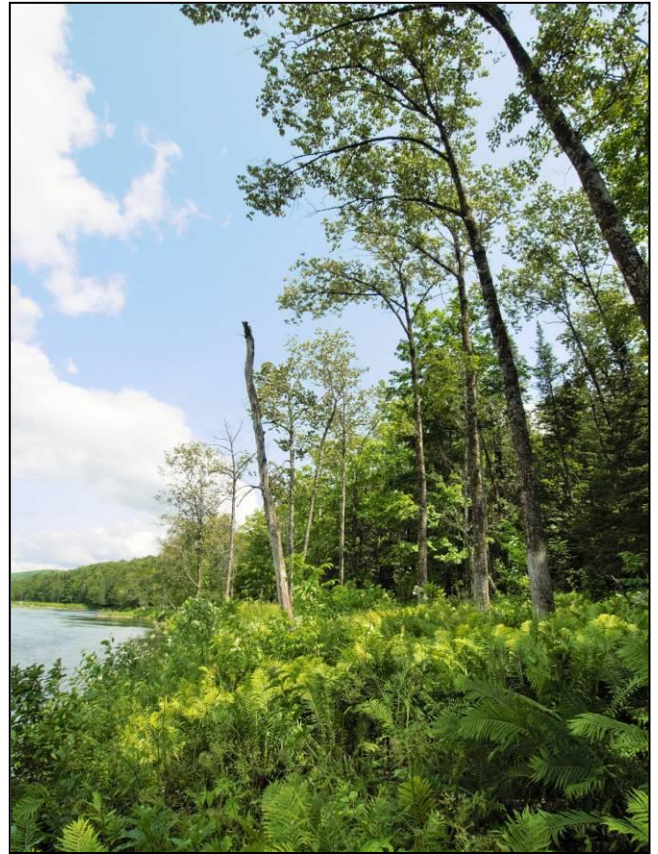
**Combined Survey Track Length:** 23.5 km

#### Plant Diversity:

Total Spp. Richness	Native Spp. Richness	Exotic Spp. Richness	% Native	% Exotic	# Rare Spp. Records
461	353	108	77	23	22

#### Notable Features:

- Limestone outcrops are common along the river and especially extensive just below the Tinker Dam and roughly 2 km further downstream. These bedrock exposures, which are mainly dry but occasionally receive some seepage from steep valley slopes, support several rare communities. Most provincially rare plant species documented at this survey site were found in these habitats.
- The steep valley slopes above the river support many healthy stands of mature and old late-successional forest composed of Eastern Hemlock (*Tsuga canadensis*), Eastern White Cedar (*Thuja occidentalis*), Eastern White Pine (*Pinus strobus*), Sugar Maple (*Acer saccharum*) and Yellow Birch (*Betula alleghaniensis*).
- The river's floodplain is generally narrow due to steep valley slopes, but contains several rich terraces scattered between the Tinker Dam and the Highway 2 bridge. These areas support forested or partially forested floodplain communities dominated by Balsam Poplar (*Populus balsamifera*), Black Ash (*Fraxinus nigra*) and Eastern White Cedar.
- The forest near Limestone Stream has been highly disturbed by wood harvesting but the valley bottom in the upstream section supports some occurrences of mature Eastern White Cedar and Eastern White Cedar / Black Ash / Balsam Poplar floodplain forest. Away from the stream, mature Sugar Maple / American Beech forest occurred as small remnants within a landscape of recent clearcuts and agriculture.
- Limestone outcropping was absent on the upstream portion of Limestone Stream. Just upstream of the Aroostook River, Limestone Stream flows through an abrupt exposed bedrock ravine which contains several picturesque falls. Outcrops around the spectacular Four Falls area. did not support any rare plants.



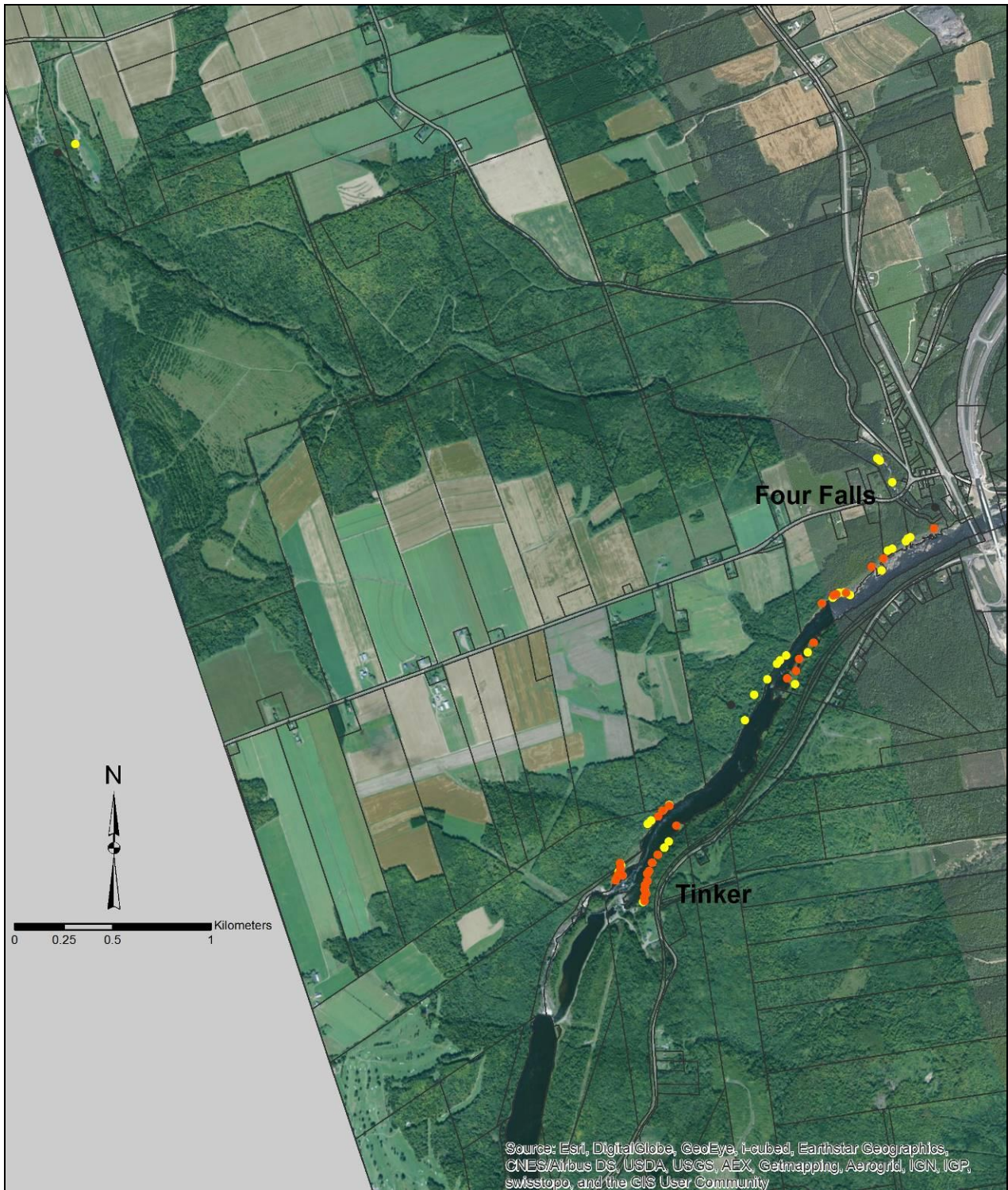
**Aroostook River** (clockwise from top left): Extensive limestone outcrops in Aroostook Rive gorge just below Tinker Dam. Black Ash (*Fraxinus nigra*), Balsam Poplar (*Populus balsamifera*) and Ostrich Fern (*Matteuccia struthiopteris*) floodplain terrace on the Aroostook River. Sticky Goldenrod (*Solidago simplex*, S2, May Be At Risk) on shoreline calcareous rock outcrop below Tinker Dam. Seepy calcareous cobble shore supporting a provincially rare calciphilic plant community including Sticky False-asphodel (*Triantha glutinosa*, S3, Secure) and Fen Grass-of-Parnassus (*Parnassia glauca*, S3, Secure).





**Aroostook River and Limestone Stream** (clockwise from top left): Old Eastern Hemlock (*Tsuga canadensis*), Eastern White Cedar (*Thuja occidentalis*) and Eastern White Pine (*Pinus strobus*) forest on slope of Aroostook River valley. Mature Sugar Maple (*Acer saccharum*)-dominated mixedwood forest on gentle slope along Aroostook River. Extensive area of low-profile limestone outcrops on the lower Aroostook River. Waterfall and exposed bedrock gorge along Limestone Stream at Four Falls.





**Figure 6.** Rare vascular plant species locations documented during survey along the Aroostook River and Limestone Stream, Victoria County, NB. Orange dots = imperiled species (S2 and S2S3), yellow dots = vulnerable species (S3 and S3S4) and grey dots = possible but unconfirmed rare species.

# Big Presque Isle Stream

Survey date: July 7<sup>th</sup> 2015

Observers: C.S. Blaney, D.M. Mazerolle, A.G. Belliveau

Combined Survey Track Length: 25.7 km

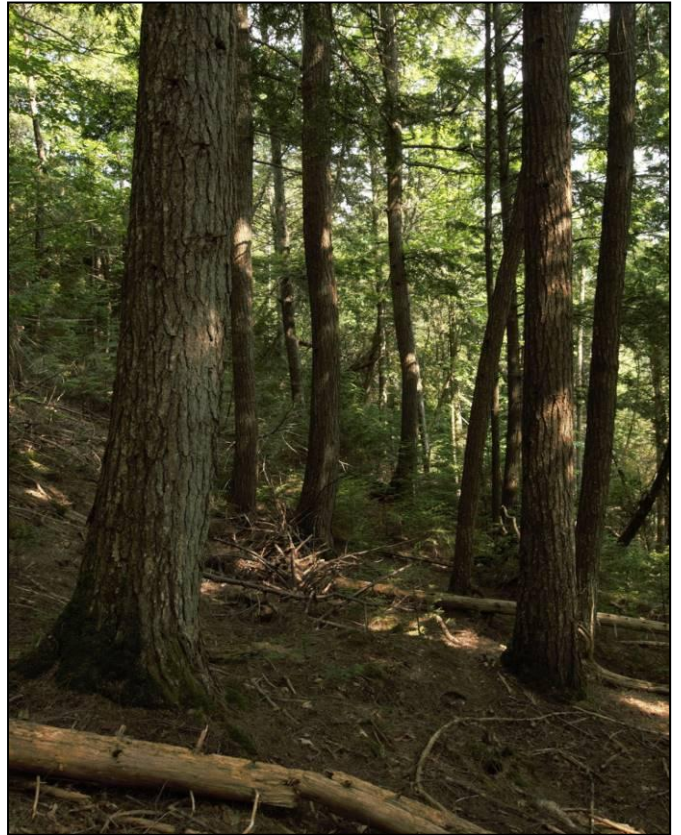
## Plant Diversity:

Total Spp. Richness	Native Spp. Richness	Exotic Spp. Richness	% Native	% Exotic	# Rare Spp. Records
450	326	124	72	28	17

## Notable Features:

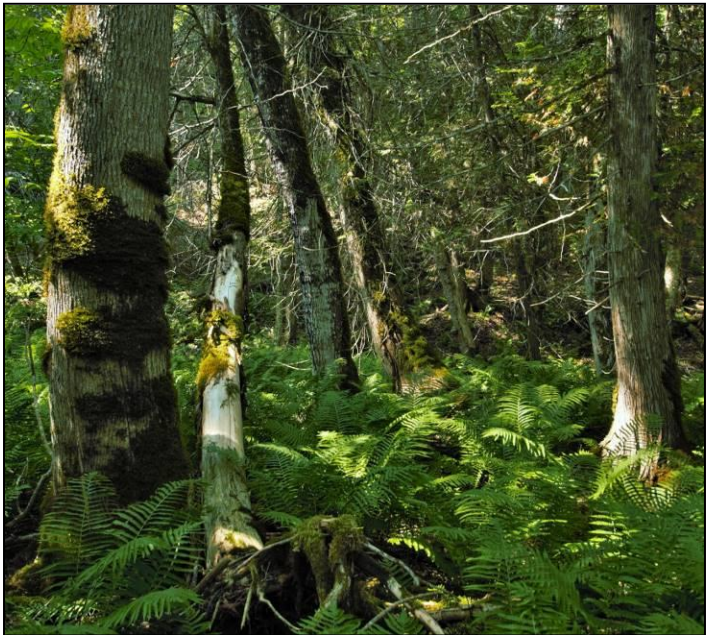
- The large hill located due north of Barrett Lake on the south side of the stream holds an extensive area of relatively undisturbed mature hardwood forest which contains stands of rich Sugar Maple (*Acer saccharum*) / White Ash (*Fraxinus americana*) and White Ash / Sugar Maple / American Beech (*Fagus grandifolia*) / Butternut (*Juglans cinerea*, S1, COSEWIC Endangered) forest. Appalachian hardwood forest in this area supports many provincially rare understory species including the critically imperiled Nodding Fescue (*Festuca subverticillata*, S1, May Be At Risk) and Spreading Wild-rye (*Elymus hystrix* var. *bigeloviana*, S1, May Be At Risk).
- The southern valley slope roughly 1 km downstream of the Tracey Mills bridge contains a few remnant stands of mature to old Sugar Maple / Yellow Birch / American Beech forest, as well as old growth Eastern Hemlock (*Tsuga canadensis*) forest. A few rich areas with localized groundwater seepage support rare understory communities.
- The surveyed area immediately downstream of Centreville is highly disturbed and remaining forest along this section is mainly early-successional. Mature forest communities in this section are mostly limited to riparian areas, which contain several small occurrences of mature Balsam Poplar (*Populus balsamifera*) / Black Ash (*Fraxinus nigra*) / Meadow Willow (*Salix petiolaris*) floodplain forest. Floodplain plant communities along much of the stream are highly influenced by exotic species, especially in open meadow communities where the invasive Reed Canary Grass (*Phalaris arundinacea*) is generally highly dominant.
- Small limestone outcrops are scattered in upper and lower portions of the survey area, providing habitat for several provincially rare calciphylic species. The limestone outcrops are much less diverse in rare species than similar outcrops on the Saint John and Meduxnekeag Rivers.
- Steep valley slopes along the stream's lower section hold mature and old growth stands of Eastern Hemlock (*Tsuga canadensis*) and Eastern White Cedar (*Thuja occidentalis*) forest. In one such forest stand, a large Eastern Hemlock tree was cored and determined to be 224 years old. A few old stands of upland and floodplain Sugar Maple / Yellow Birch (*Betula alleghaniensis*) were also observed.





**Big Presque Isle Stream** (clockwise from top left): Northern Maidenhair Fern (*Adiantum pedatum*, S3, Secure) and Canada Wild Ginger (*Asarum canadense*) and Silvery Spleenwort (*Deparia acrostichoides*) community in understory of rich hardwoods. Old Eastern Hemlock (*Tsuga canadensis*) along lower Big Presque Isle Stream. Nodding Fescue (*Festuca subverticillata*, S1, May Be At Risk) in rich understory of mature hardwoods near Tracey Mills. Limestone bedrock outcrop on shore of stream near Tracey Mills.





**Big Presque Isle Stream** (clockwise from top left): Rich Sugar Maple (*Acer saccharum*), Yellow Birch (*Betula alleghaniensis*) and White Ash (*Fraxinus Americana*) forest, with localized calcareous groundwater seepage. Extensive Black Ash (*Fraxinus nigra*), Balsam Poplar (*Populus balsamifera*) and Ostrich Fern (*Matteuccia struthiopteris*) floodplain. Rich Eastern White Cedar (*Thuja occidentalis*) and White Ash (*Fraxinus americana*) floodplain forest with Ostrich Fern understory. Young Butternut (*Juglans cinerea*, S1, At Risk, COSEWIC Endangered) at margin of floodplain meadow.





**Figure 7.** Rare vascular plant species locations documented during survey along Big Presque Isle Stream, Carleton County, NB. Red dots = critically imperiled species (S1 and S1S2), orange dots = imperiled species (S2 and S2S3) and yellow dots = vulnerable species (S3 and S3S4).



## Meduxnekeag River

**Survey date:** July 2<sup>nd</sup>, 3<sup>rd</sup>, 9<sup>th</sup> and 10<sup>th</sup> 2015

**Observers:** C.S. Blaney, D.M. Mazerolle, A.G. Belliveau

**Combined Survey Track Length:** 83.8 km

### Plant Diversity:

Total Spp. Richness	Native Spp. Richness	Exotic Spp. Richness	% Native	% Exotic	# Rare Spp. Records
632	488	144	77	23	54

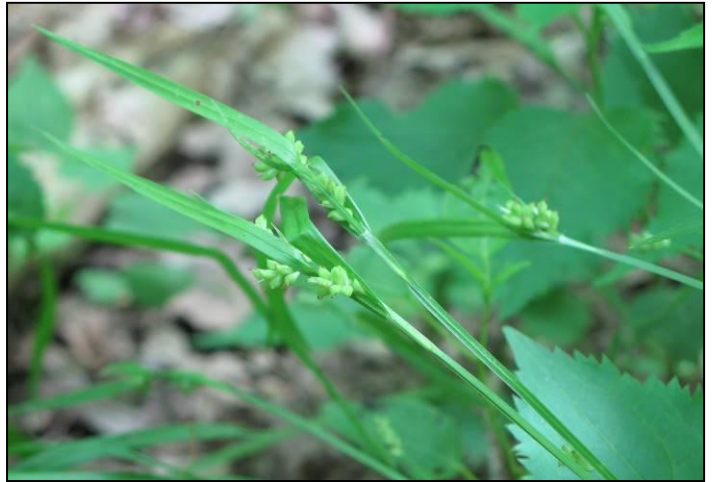
### Notable Features:

- The Meduxnekeag River valley holds the most significant concentration of remnant rich mature Appalachian hardwood forest in New Brunswick, as well as one of the province's most significant concentrations of rare vascular plant species. The area supports provincially unique upland and wetland calciphilic plant communities, including at least four extremely rare species which are at the northeastern limit of their global range and are known from nowhere else in the province (Appalachian Sedge [*Carex appalachica*], Eastern Woodland Sedge [*Carex blanda*], Prickly Gooseberry [*Ribes cynosbatif*] and Loose-flowered Sedge [*Carex laxiflora*]).
- The Meduxnekeag River watershed still holds an abundance of mature and old late-successional forest, most of which is concentrated on valley slopes and adjacent plateaus. The valley contains a variety of hardwood, mixedwood and coniferous forest communities, all common in roughly equal measure. Coniferous and mixedwood stands are predominantly composed of Eastern Hemlock (*Tsuga canadensis*), Eastern White Cedar (*Thuja occidentalis*), Yellow Birch (*Betula alleghaniensis*), Sugar Maple (*Acer saccharum*) and Eastern White Pine (*Pinus strobus*). Mature tolerant hardwoods are largely dominated by Sugar Maple, Yellow Birch, White Ash (*Fraxinus americana*) and American Beech (*Fagus grandifolia*) with small components of Eastern Hemlock and Eastern White Cedar. Scattered pockets of very rich Appalachian hardwoods are characterized by Sugar Maple, White Ash, Yellow Birch, Basswood (*Tilia americana*), Ironwood (*Ostrya virginiana*), Black Ash (*Fraxinus nigra*) and Butternut (*Juglans cinerea*, S1, At Risk, COSEWIC Endangered). These rich forest stands, which are often influenced by calcareous groundwater seepage, support a variety of rare understory plant species and communities. The river valley also contains extensive open floodplain meadows and occurrences of mature floodplain forest dominated by Black Ash, Sugar Maple, Balsam Poplar (*Populus balsamifera*) and Eastern White Cedar.
- Limestone bedrock exposures are common along most of the river's Canadian section and are especially extensive at Jackson Falls. These habitats support various calciphilic plant communities, including numerous species of conservation concern.
- Seepy high-pH cobble river shores are common in the Jackson Falls area and sparsely scattered further downstream. The wet calcareous conditions in these habitats support fen-like communities containing numerous provincially rare species, including large populations of the critically imperiled Sterile Sedge (*Carex sterilis*, S1 - May Be At Risk; known from only one other area of New Brunswick),

and Great Northern Aster (*Canadanthus modestus*, S1 – May Be At Risk; otherwise known in New Brunswick only from the Restigouche River).

- Some of the best rich Appalachian hardwood forest communities in the MRA's Bell Forest Preserve were found to have incipient invasions of Garlic Mustard (*Alliaria petiolata*), for which control efforts might still be valuable.
- Much of the most spectacular rich Appalachian hardwood forest on the south side of the river in the Plymouth area, supporting the province's largest occurrence of Canada Violet (*Viola canadensis*, S1S2 – May Be At Risk) and many other rare species, has been recently clearcut with additional cut blocks marked.





**Meduxnekeag River** (clockwise from top left): Extremely rich hardwood forest with understory containing Bloodroot (*Sanguinaria canadensis*), Canada Wild Ginger (*Asarum canadense*), Blue Cohosh (*Caulophyllum thalictroides*) and Lopseed (*Phryma leptostachya*, S2, Sensitive) at Plymouth. Eastern Woodland Sedge (*Carex blanda*, S1, first and only provincial record for the species) in forest understory at Woodstock. Old Eastern Hemlock (*Tsuga canadensis*) forest on river valley slope at Plymouth. Thin-leaved Sedge (*Carex cephaloidea*, S1, May Be At Risk) in rich hardwood forest at Plymouth. Extremely rich Sugar Maple (*Acer saccharum*) and White Ash (*Fraxinus americana*) forest with understory of Maidenhair Fern (*Adiantum pedatum*, S3, Secure) and Canada Wild Ginger at Plymouth. Prickly Gooseberry (*Ribes cynosbati*, S1, first and only provincial record for the species) in forest understory at Woodstock.





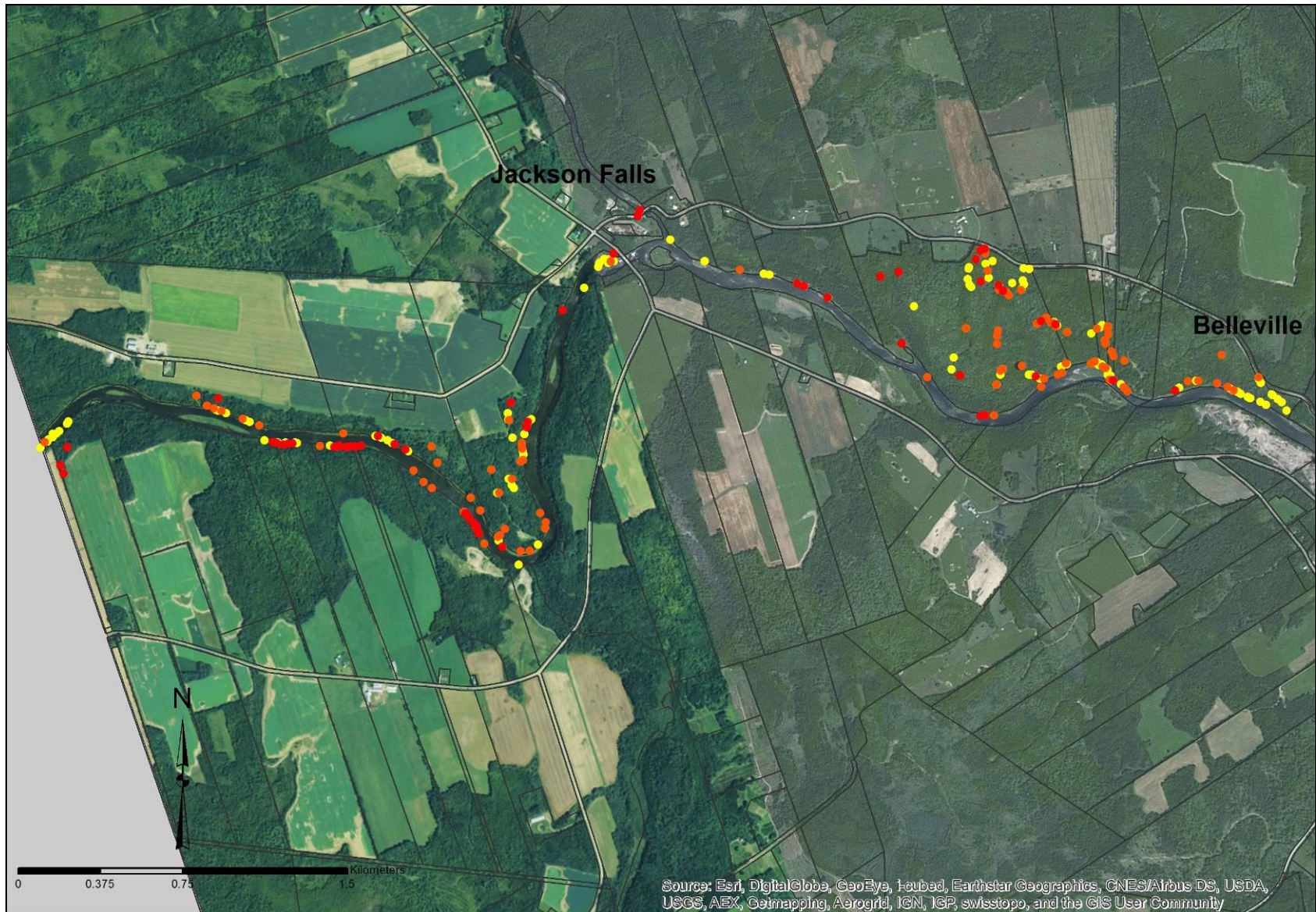
**Meduxnekeag River** (clockwise from top left): Limestone outcrops, wide floodplain meadow and extensive mature coniferous, mixedwood and hardwood forest on river valley slopes at Belleville. Mucronate Blue-eyed-grass (*Sisyrinchium mucronatum*, S1?) on a limestone cobble shore near Plymouth. Rich hardwood forest supporting Plantain-leaved Sedge (*Carex plantaginea*, S2S3, Sensitive) at Belleville. Very rich seepy Black Ash (*Fraxinus nigra*) and Sugar maple (*Acer saccharum*) floodplain forest with understory of Bloodroot (*Sanguinaria canadensis*) and Canada Wild Ginger (*Asarum canadense*) at Belleville. Extensive floodplain meadow partially forested by Balsam Poplar (*Populus balsamifera*) and Black Ash near Belleville. Canada Violet (*Viola canadensis*, S1S2, May Be At Risk) in very rich hardwood forest at Plymouth.





**Meduxnekeag River** (clockwise from top left): Wide calcareous cobble shore and mature coniferous and mixedwood forest near Jackson Falls. Seepy highly calcareous cobble shore supporting Sterile Sedge (*Carex sterilis*, S1, May Be At Risk) and Few-flowered Spikerush (*Eleocharis quinqueflora*, S3, Secure) near Jackson Falls. Sterile Sedge on seepy calcareous cobble shore near Jackson Falls. Mature mixedwood and hardwood forest between US border and Jackson Falls. Old growth Eastern Hemlock (*Tsuga canadensis*) forest near Jackson Falls. Long-leaved Pondweed (*Potamogeton nodosus*, S1, May Be At Risk) between US border and Jackson Falls.





**Figure 8.** Rare vascular plant species locations documented during survey along the upper Meduxnekeag River (US border to Belleville), Carleton County, NB. Red dots = critically imperiled species (S1 and S1S2), orange dots = imperiled species (S2 and S2S3), yellow dots = vulnerable species (S3 and S3S4) and grey dots = possible but unconfirmed rare species.





**Figure 9.** Rare vascular plant species locations documented during survey along the lower Meduxnekeag River (Belleville to Woodstock), Carleton County, NB. Red dots = critically imperiled species (S1 and S1S2), orange dots = imperiled species (S2 and S2S3), yellow dots = vulnerable species (S3 and S3S4) and grey dots = possible but unconfirmed rare species.

## PROJECT CONTRIBUTIONS

This project, along with similar NCC- and WTF-funded AC CDC fieldwork in 2013 and 2014, has significantly improved our understanding of the present status and distribution of intact Appalachian hardwood forest communities of conservation concern. The project was highly successful in identifying parcels of land that should be considered priorities for conservation action by the Meduxnekeag River Association, the NCC, the Nature Trust of New Brunswick and the provincial government. We documented rare species on roughly 135 properties, and found 26 properties which support at least five rare species and eight properties which support more than ten rare species. The data collected and compiled through this project identifies the most significant sites for land conservation within surveyed areas, and does so at a very fine scale.

On a provincial scale, the significant amount of species occurrence data collected through this project will help refine species' ranks and inform land use decisions related to those species' habitats throughout New Brunswick, allowing scarce conservation resources to be focused where they are most needed. All data collected has been permanently documented via incorporation into the AC CDC's GIS-linked database, where it will be maintained and will be provided in response to any area- or species-specific conservation data request.

## REFERENCES

- Atlantic Canada Conservation Data Centre (AC CDC). 2015. Digital database of rare species locations for New Brunswick. Atlantic Canada Conservation Data Centre, Sackville, NB.
- Fyffe, L.R. and D.M. Richard. 2007. Lithological map of New Brunswick. New Brunswick Department of Natural Resources: Minerals, Policy and Planning Division: Plate 2007-18.
- Hinds, H.R. 2000. Flora of New Brunswick, 2<sup>nd</sup> Edition. Department of Biology, University of New Brunswick, Fredericton.
- MacDougall, A. and J. Loo. 1998. Natural history of the Saint John River Valley Hardwood Forest of western New Brunswick and northeastern Maine. Information report M-X-2904E. Canadian Forest Service, Atlantic Forestry Centre, Fredericton, NB. 62 pp.
- MacDougall, A.S. 1997. Appalachian hardwood forest conservation stewardship project: phase I summary report. Nature Trust of New Brunswick, Fredericton, New Brunswick (limited distribution).



**Table 1.** Provincially rare vascular plant species documented during surveys, with provincial status ranks (S-rank and General Status Rank [GS Rank], see appendices 1 and 2 for definitions) and numbers of locations (defined as individuals or groups of individuals separated from others by >10m) documented on each property.

Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
Aroostook River	<i>Anemone multifida</i>	Cut-leaved Anemone	S2	Sensitive	65116584	1
	<i>Astragalus eucosmus</i>	Elegant Milk-vetch	S2	May Be At Risk	65084840	1
	<i>Polygala senega</i>	Seneca Snakeroot	S2	Sensitive	65052946	5
					65084972	1
					65116584	2
					65117178	1
	<i>Schizachyrium scoparium</i>	Little Bluestem	S2	Sensitive	65117178	1
	<i>Shepherdia canadensis</i>	Soapberry	S2	Sensitive	65052946	4
	<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	65084808	4
					65084840	1
					65084972	1
					65087645	1
	<i>Solidago simplex</i>	Sticky Goldenrod	S2	May Be At Risk	65052946	9
					65084808	1
					65116584	2
65117178					2	
<i>Woodsia alpina</i>	Alpine Cliff Fern	S2	Sensitive	65052946	1	
<i>Barbarea orthoceras</i>	American Yellow Rocket	S2S3	Sensitive	65208654	1	
<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	65116584	1	
<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	65084840	1	
				65084972	3	
				65087645	1	
				65208654	2	

Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
Limestone Stream	<i>Carex capillaris</i>	Hairlike Sedge	S3	Secure	65052946	2
	<i>Carex eburnea</i>	Bristle-leaved Sedge	S3	Secure	65084824	1
	<i>Carex haydenii</i>	Hayden's Sedge	S3	Secure	65052946	1
	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane	S3	Secure	65052946	10
					65084972	1
					65084980	1
					65117178	1
	<i>Parnassia glauca</i>	Fen Grass-of-Parnassus	S3	Secure	65052946	2
	<i>Poa glauca</i>	Glaucous Blue Grass	S3	Secure	65084808	2
	<i>Thalictrum venulosum</i>	Northern Meadow-rue	S3	Secure	65052946	4
					65084808	3
					65084840	1
					65084972	1
					65087645	1
					65208654	3
	<i>Triantha glutinosa</i>	Sticky False-Asphodel	S3	Secure	65052946	3
	<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	65052946	7
65084808					2	
65084824					3	
65116584					2	
65117178					2	
<i>Potentilla arguta</i>	Tall Cinquefoil	S3S4	Secure	65052946	2	
				65084824	2	
<i>Agrimonia striata / gryposepala</i>				65084824	1	
<b>Limestone Stream</b>	<i>Carex tenera</i>	Tender Sedge	S3	Secure	65088163	1



Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
	<i>Eleocharis intermedia</i>	Matted Spikerush	S3	Secure	65087918	2
	<i>Symphotrichum</i> poss. <i>anticostense</i>				65087645	1
<b>Big Presque Isle Stream</b>	<i>Elymus hystrix</i> var. <i>Bigeloviana</i>	Spreading Wild Rye	S1	May Be At Risk	10058683	1
					10145423	1
	<i>Festuca subverticillata</i>	Nodding Fescue	S1	May Be At Risk	10145423	2
	<i>Juglans cinerea</i>	Butternut	S1	At Risk	10057511	1
					10058683	2
					10059251	1
					10081057	2
					10145308	1
					10145423	7
					10145589	1
					10145662	1
					10153641	1
		Crown-owned right-of-way, near boundary of PID # 10080836				1
	<i>Dirca palustris</i>	Eastern Leatherwood	S2	May Be At Risk	10153005	2
					10179125	1
	<i>Phryma leptostachya</i>	American Lopseed	S2	Sensitive	10145423	2
<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	10058683	1	
				10246577	1	
<i>Stuckenia pectinata</i>	Sago Pondweed	S3S4	Secure	10058519	1	
				10060226	1	
				10145456	1	

Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
					Crown-owned watercourse, near boundary of PID # 10058683	1
					Crown-owned watercourse, near boundary of PID # 10059251	1
					Crown-owned watercourse, near boundary of PID # 10060879	2
					Crown-owned watercourse, near boundary of PID # 10145282	1
					Crown-owned watercourse, near boundary of PID # 10145290	1
					Crown-owned watercourse, near boundary of PID # 10145456	1
	<i>Barbarea orthoceras</i>	American Yellow Rocket	S2S3	Sensitive	10081057	3
					Crown-owned watercourse, near boundary of PID # 10067460	1
	<i>Carex plantaginea</i>	Plantain-Leaved Sedge	S2S3	Sensitive	10153005	5
	<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	10058683	3
					10060226	1
					10145423	5
					10153005	4
	<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	10145423	3



Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
	<i>Carex capillaris</i>	Hairlike Sedge	S3	Secure	Crown-owned watercourse, near boundary of PID # 10059251	1
	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane	S3	Secure	Crown-owned watercourse, near boundary of PID # 10044006 and 10043339	1
	<i>Rubus occidentalis</i>	Black Raspberry	S3	Secure	10145423	1
	<i>Triantha glutinosa</i>	Sticky False-Asphodel	S3	Secure	Crown-owned watercourse, near boundary of PID # 10044006 and 10043339	1
	<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	10044659	1
10195279					1	
10246577					1	
Crown-owned watercourse, near boundary of PID # 10043339					2	
Crown-owned watercourse, near boundary of PID # 10044022					1	
Crown-owned watercourse, near boundary of PID # 10044626					1	
Crown-owned watercourse, near boundary of PID # 10059251					1	
Crown-owned watercourse, near boundary of PID # 10060879					2	

Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
					Crown-owned watercourse, near boundary of PID # 10195261	1
	<i>Stuckenia pectinata</i>	Sago Pondweed	S3S4	Secure	10145225	1
	<i>Agrimonia cf. gryposepala</i>				10060226	1
	<i>Carex radiata / appalachica</i>				10145423	1
<b>Meduxnekeag River – USA border to Jackson Falls</b>	<i>Canadanthus modestus</i>	Great Northern Aster	S1	May Be At Risk	10034718	1
					10035426	5
					10175610	3
					Crown-owned watercourse, near boundary of PID # 10034718	2
					Crown-owned watercourse, near boundary of PID # 10175610	1
	<i>Carex sterilis</i>	Sterile Sedge	S1	May Be At Risk	10034718	1
					10035426	2
					10048676	2
					10050573	1
	<i>Juglans cinerea</i>	Butternut	S1	At Risk	10019255	1
					10034726	3
					10048676	1
					10048742	1
	<i>Potamogeton nodosus</i>	Long-leaved Pondweed	S1	May Be At Risk	10048676	1
					10050573	2
					10175602	1



Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
					Crown-owned watercourse, near boundary of PID # 10048676	1
					Crown-owned watercourse, near boundary of PID # 10175610	1
	<i>Polygala senega</i>	Seneca Snakeroot	S2	Sensitive	10048742	1
	<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	10035426	2
					10048676	6
					10048742	1
					10050573	1
					Crown-owned watercourse	1
	<i>Stellaria longifolia</i>	Long-leaved Starwort	S2	Sensitive	10035426	2
					10175610	1
	<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	10048676	8
					10048742	4
					10050573	3
					Crown-owned watercourse, near boundary of PID # 10050573	1
	<i>Barbarea orthoceras</i>	American Yellow Rocket	S2S3	Sensitive	10175610	1
					Crown-owned watercourse, near boundary of PID # 10035426	1
					Crown-owned watercourse, near boundary of PID # 10175578	1

Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
	<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	10034726	1
	<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	10048676	4
					10050573	1
					10175610	1
					Crown-owned watercourse, near boundary of PID # 10034718	1
					Crown-owned watercourse, near boundary of PID # 10034726	1
	<i>Boehmeria cylindrica</i>	Small-spike False-nettle	S3	Sensitive	10050573	1
	<i>Carex haydenii</i>	Hayden's Sedge	S3	Secure	10034718	2
					10048676	1
	<i>Carex rosea</i>	Rosy Sedge	S3	Secure	10048676	7
	<i>Carex tenera</i>	Tender Sedge	S3	Secure	Crown-owned watercourse, near boundary of PID # 10175610	1
	<i>Eleocharis quinqueflora</i>	Few-flowered Spikerush	S3	Secure	10034718	1
					10035426	1
					10048676	4
					10048742	4
					10050573	2
	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane	S3	Secure	Crown-owned watercourse	1
	<i>Hedysarum alpinum</i>	Alpine Sweet-vetch	S3	Secure	10034726	1
					10175578	1
					Crown-owned watercourse	1



Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations	
					Crown-owned watercourse, near boundary of PID # 10034726	1	
					Crown-owned watercourse, near boundary of PID # 10035426	1	
		<i>Symphotrichum boreale</i>	Boreal Aster	S3	Sensitive	10175602	1
		<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	10034718	1
						10034726	1
						10048676	1
						10050573	2
						10175578	1
						Crown-owned watercourse	2
		<i>Salix discolor / myricoides</i>				10034718	1
	<i>Carex cf. appalachica</i>				10048676	1	
<b>Meduxnekeag River – Jackson Falls to Belleville</b>	<i>Carex cephaloidea</i>	Thin-leaved Sedge	S1	May Be At Risk	10244184	2	
	<i>Carex sterilis</i>	Sterile Sedge	S1	May Be At Risk	10046647	2	
					10048676	1	
						Crown-owned watercourse, near boundary of PID # 10046647	1
	<i>Desmodium glutinosum</i>	Large Tick-Trefoil	S1	May Be At Risk	Crown-owned watercourse, near boundary of PID # 10244184	2	
	<i>Festuca subverticillata</i>	Nodding Fescue	S1	May Be At Risk	10244184	4	
<i>Juglans cinerea</i>	Butternut	S1	At Risk	10244184	4		

Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
					Crown-owned right-of-way, near boundary of PID # 10089365 and 10237568	1
					Crown-owned watercourse, near boundary of PID # 10089365	1
	<i>Phryma leptostachya</i>	American Lopseed	S2	Sensitive	10244184	1
	<i>Polygala senega</i>	Seneca Snakeroot	S2	Sensitive	Crown-owned watercourse, near boundary of PID # 10244184	2
	<i>Sanicula odorata</i>	Clustered Sanicle	S2	May Be At Risk	10244184	1
	<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	10225639	1
					Crown-owned watercourse, near boundary of PID # 10244184	1
	<i>Spiranthes lucida</i>	Shining Ladies'-Tresses	S2	Sensitive	10046647	1
	<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	10244184	1
	<i>Carex plantaginea</i>	Plantain-Leaved Sedge	S2S3	Sensitive	10244184	2
	<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	10244184	3
	<i>Carex rosea</i>	Rosy Sedge	S3	Secure	10244184	8
	<i>Dryopteris goldiana</i>	Goldie's Woodfern	S3	Sensitive	10244184	4
	<i>Eleocharis quinqueflora</i>	Few-flowered Spikerush	S3	Secure	10046647	2
					Crown-owned watercourse, near boundary of PID # 10046647	1
	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane	S3	Secure	Crown-owned watercourse	2



Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
	<i>Hedysarum alpinum</i>	Alpine Sweet-vetch	S3	Secure	Crown-owned watercourse	3
	<i>Parnassia glauca</i>	Fen Grass-of-Parnassus	S3	Secure	10046647	3
	<i>Triantha glutinosa</i>	Sticky False-Asphodel	S3	Secure	10046647	3
					10049039	1
					10225639	1
					Crown-owned watercourse	1
	<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	10046647	3
					10049039	1
					Crown-owned watercourse	3
					Crown-owned watercourse, near boundary of PID # 10036093	1
					Crown-owned watercourse, near boundary of PID # 10049039	1
<i>Lobelia kalmii</i>	Brook Lobelia	S3S4	Secure	Crown-owned watercourse, near boundary of PID # 10046647	1	
<b>Meduxnekeag River – Belleville</b>	<i>Festuca subverticillata</i>	Nodding Fescue	S1	May Be At Risk	10050367	1
					10244184	1
	<i>Juglans cinerea</i>	Butternut	S1	At Risk	10048965	1
					10050607	1
					10244184	3
				Crown-owned right-of-way, near boundary of PID # 10050607	1	

Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
					Crown-owned right-of-way, near boundary of PID # 10242923	1
					Crown-owned watercourse, near boundary of PID # 10149516	1
	<i>Carex hirtifolia</i>	Pubescent Sedge	S2	Sensitive	10244184	4
					10247526	2
	<i>Carex spengelii</i>	Longbeak Sedge	S2	Sensitive	10244184	2
					Crown-owned right-of-way, near boundary of PID # 10149516	1
	<i>Hepatica nobilis var. obtusa</i>	Round-lobed Hepatica	S2	Sensitive	10244184	1
	<i>Phryma leptostachya</i>	American Lopseed	S2	Sensitive	10244184	1
	<i>Polygala senega</i>	Seneca Snakeroot	S2	Sensitive	10050367	1
					10149516	1
					Crown-owned watercourse	1
					Crown-owned watercourse, near boundary of PID # 10050607	2
					Crown-owned watercourse, near boundary of PID # 10247526	1
	<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	10048965	2
					10050607	4
					10149516	1
					10244184	2



Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
	<i>Spiranthes lucida</i>	Shining Ladies'-Tresses	S2	Sensitive	10048965	1
					Crown-owned watercourse, near boundary of PID # 10050367	1
					Crown-owned watercourse, near boundary of PID # 10050607	1
	<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	10048965	1
					10050607	8
					10050755	4
					10149516	1
					10244184	5
	<i>Carex plantaginea</i>	Plantain-Leaved Sedge	S2S3	Sensitive	10048965	2
					10050367	2
					10052504	4
					10244184	6
					10247526	1
	<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	10048965	2
					10050367	2
					10050607	1
					10244184	5
					10247526	1
	<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	10048965	3
					10050367	1
10052504					1	
10244184					2	

Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
	<i>Arabis hirsuta var. pycnocarpa</i>	Western Hairy Rockcress	S3	Secure	10247526	1
	<i>Carex capillaris</i>	Hairlike Sedge	S3	Secure	10048965	1
					Crown-owned watercourse, near boundary of PID # 10050607	1
	<i>Carex rosea</i>	Rosy Sedge	S3	Secure	10048965	7
					10050607	4
					10244184	8
					10247526	1
					Crown-owned right-of-way, near boundary of PID # 10149516	1
	<i>Dryopteris goldiana</i>	Goldie's Woodfern	S3	Sensitive	10244184	2
	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane	S3	Secure	10048965	2
	<i>Hedysarum alpinum</i>	Alpine Sweet-vetch	S3	Secure	10048965	2
					10050607	4
					Crown-owned watercourse	1
					Crown-owned watercourse, near boundary of PID # 10050607	2
					Crown-owned watercourse, near boundary of PID # 10052504	1
	<i>Muhlenbergia richardsonis</i>	Mat Muhly	S3	Secure	Crown-owned watercourse	1
					Crown-owned watercourse, near boundary of PID # 10052504	1



Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
	<i>Pilea pumila</i>	Dwarf Clearweed	S3	Secure	10244184	2
	<i>Polypodium appalachianum</i>	Appalachian Polypody	S3	Secure	10050607	1
	<i>Rubus occidentalis</i>	Black Raspberry	S3	Secure	10048965	1
					10050367	2
					10050607	1
					10244184	3
					Crown-owned watercourse, near boundary of PID # 10149516	1
					10050607	2
	<i>Triantha glutinosa</i>	Sticky False-Asphodel	S3	Secure	Crown-owned watercourse, near boundary of PID # 10050607	1
					Crown-owned watercourse, near boundary of PID # 10247526	1
					10050607	2
	<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	10048965	3
					10050367	1
					10050607	4
					10149516	1
					Crown-owned watercourse, near boundary of PID # 10050367	1
Crown-owned watercourse, near boundary of PID # 10050607					2	

Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
					Crown-owned watercourse, near boundary of PID # 10149516	1
					Crown-owned watercourse, near boundary of PID # 10247526	1
	<i>Lobelia kalmii</i>	Brook Lobelia	S3S4	Secure	Crown-owned watercourse	1
					Crown-owned watercourse, near boundary of PID # 10050367	2
					Crown-owned watercourse, near boundary of PID # 10247526	1
	<i>Potentilla arguta</i>	Tall Cinquefoil	S3S4	Secure	10050607	1
	<i>Epilobium ciliatum / coloratum</i>				10244184	1
	<i>Scirpus hattorianus / atrovirens</i>				Crown-owned watercourse, near boundary of PID # 10050607	1
	<i>Solidago cf. simplex</i>				Crown-owned watercourse, near boundary of PID # 10052504	1
<b>Meduxnekeag River – Hartford</b>	<i>Juglans cinerea</i>	Butternut	S1	At Risk	Crown-owned right-of-way, near boundary of PID # 10074748	1
	<i>Sisyrinchium mucronatum</i>	Mucronate Blue-eyed-grass	S1?	Undetermined	Crown-owned watercourse, near boundary of PID # 10074722	1
	<i>Carex hirtifolia</i>	Pubescent Sedge	S2	Sensitive	10074748	1



Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
					10169258	1
	<i>Carex sprengelii</i>	Longbeak Sedge	S2	Sensitive	10074748	1
	<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	10048148	2
					10074722	1
	<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	10074722	1
					10074748	14
					10169258	4
					10223055	1
					Crown-owned right-of-way, near boundary of PID # 10074748	1
	<i>Carex plantaginea</i>	Plantain-Leaved Sedge	S2S3	Sensitive	10074748	1
					10223048	1
					10223055	1
					Crown-owned right-of-way, near boundary of PID # 10074748	1
	<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	10074748	7
					10169266	2
					Crown-owned right-of-way, near boundary of PID # 10074748	1
	<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	10074748	2
	<i>Cardamine maxima</i>	Large Toothwort	S3	Secure	10074748	1
					Crown-owned right-of-way, near boundary of PID # 10074748	1

Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
	<i>Carex rosea</i>	Rosy Sedge	S3	Secure	10074748	4
					10169258	1
					10257830	2
					Crown-owned right-of-way, near boundary of PID # 10048346	1
	<i>Dryopteris goldiana</i>	Goldie's Woodfern	S3	Sensitive	10074748	1
	<i>Rubus occidentalis</i>	Black Raspberry	S3	Secure	10169258	1
	<i>Triantha glutinosa</i>	Sticky False-Asphodel	S3	Secure	Crown-owned watercourse, near boundary of PID # 10169258	1
	<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	10048148	1
					10169258	1
					Crown-owned watercourse, near boundary of PID # 10169258	3
<b>Meduxnekeag River – Plymouth</b>	<i>Carex cephaloidea</i>	Thin-leaved Sedge	S1	May Be At Risk	10007573	2
					10036002	2
	<i>Juglans cinerea</i>	Butternut	S1	At Risk	10007607	1
					10035293	1
					10037927	1
					10076123	1
					10168789	13
					10168813	2
					10168821	5
	10169068	1				



Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
					Crown-owned right-of-way, near boundary of PID # 10035293	1
					Crown-owned watercourse, near boundary of PID # 10168789	1
					Crown-owned watercourse, near boundary of PID # 10168821	1
	<i>Viola canadensis</i>	Canada Violet	S1S2	May Be At Risk	10168789	7
					10168821	6
	<i>Carex hirtifolia</i>	Pubescent Sedge	S2	Sensitive	10007573	3
					10038065	4
	<i>Carex sprengei</i>	Longbeak Sedge	S2	Sensitive	10168821	1
	<i>Phryma leptostachya</i>	American Lopseed	S2	Sensitive	10168789	7
					10168821	3
	<i>Scrophularia lanceolata</i>	Lance-leaved Figwort	S2	Sensitive	Crown-owned right-of-way, near boundary of PID # 10169068	1
	<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	Crown-owned watercourse, near boundary of PID # 10168789	1
	<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	10169068	1
	<i>Barbarea orthoceras</i>	American Yellow Rocket	S2S3	Sensitive	10074748	1
	<i>Barbarea orthoceras</i>	American Yellow Rocket	S2S3	Sensitive	Crown-owned watercourse, near boundary of PID # 10074748	1
	<i>Carex plantaginea</i>	Plantain-Leaved Sedge	S2S3	Sensitive	10038065	6

Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
					10168789	1
	<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	10007573	1
					10036002	5
					10037927	3
					10038065	9
					10168789	8
					10168821	1
	<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	10034825	1
	<i>Astragalus alpinus var. brunetianus</i>	Alpine Milk-Vetch	S3	Secure	10037927	1
					Crown-owned watercourse, near boundary of PID # 10037927	1
	<i>Boehmeria cylindrica</i>	Small-spike False-nettle	S3	Sensitive	10076123	1
	<i>Cardamine maxima</i>	Large Toothwort	S3	Secure	10037927	1
					10168789	1
	<i>Carex ormostachya</i>	Necklace Spike Sedge	S3	Secure	10038065	2
	<i>Carex rosea</i>	Rosy Sedge	S3	Secure	10007573	2
					10007607	2
					10034825	1
					10036002	1
					10037927	1
					10038065	3
					10168813	1
					10168821	4
	<i>Dryopteris goldiana</i>	Goldie's Woodfern	S3	Sensitive	10036002	2
					10168789	1

Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
					10037927	3
	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane	S3	Secure	Crown-owned watercourse, near boundary of PID # 10037927	1
	<i>Pilea pumila</i>	Dwarf Clearweed	S3	Secure	10076123	1
	<i>Polygonum scandens</i>	Climbing False Buckwheat	S3	Secure	10076123	1
	<i>Rubus occidentalis</i>	Black Raspberry	S3	Secure	Crown-owned watercourse, near boundary of PID # 10168789	1
					10037927	2
	<i>Triantha glutinosa</i>	Sticky False-Asphodel	S3	Secure	Crown-owned watercourse, near boundary of PID # 10037927	1
					Crown-owned watercourse, near boundary of PID # 10168821	1
					Crown-owned watercourse, near boundary of PID # 10168821	1
					Crown-owned watercourse, near boundary of PID # 10074748	1
	<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	Crown-owned watercourse, near boundary of PID # 10168789	1
					Crown-owned watercourse, near boundary of PID # 10168821	1
	<i>Agrimonia cf. gryposepala</i>				10168821	3
	<i>Carex rosea / appalachica</i>				10076123	1
	<i>Epilobium cilitatum / coloratum</i>				10168789	2



Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
	<i>Stachys cf. tenuifolia</i>				10074748	1
					10168813	1
					Crown-owned watercourse, near boundary of PID # 10074748	1
					Crown-owned watercourse, near boundary of PID # 10168789	1
					Crown-owned watercourse, near boundary of PID # 10168821	1
<b>Meduxnekeag River – Woodstock</b>	<i>Carex annectens</i>	Yellow-Fruited Sedge	S1	May Be At Risk	Crown-owned watercourse, near boundary of PID # 10261568	1
	<i>Carex blanda</i>	Eastern Woodland Sedge	S1	May Be At Risk	10261568	1
	<i>Carex cephaloidea</i>	Thin-leaved Sedge	S1	May Be At Risk	10261568	2
	<i>Dryopteris clintoniana</i>	Clinton's Wood Fern	S1	May Be At Risk	10261568	1
	<i>Juglans cinerea</i>	Butternut	S1	At Risk	10074185	1
					10076669	1
					10168714	2
					10206662	1
					10257830	2
					10261071	1
10261568					7	

Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
					Crown-owned watercourse, near boundary of PID # 10074185	1
					Crown-owned watercourse, near boundary of PID # 10217792	1
					Crown-owned watercourse, near boundary of PID # 10261568	1
	<i>Ribes cynosbati</i>	Eastern Prickly Gooseberry	S1	May Be At Risk	10168714	1
	<i>Carex hirtifolia</i>	Pubescent Sedge	S2	Sensitive	10261568	2
	<i>Carex sprengelii</i>	Longbeak Sedge	S2	Sensitive	10261568	2
	<i>Polygala senega</i>	Seneca Snakeroot	S2	Sensitive	10206662	1
					10261568	1
	<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	10168714	3
					10220739	1
	<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	10074185	4
					10168714	8
					10169324	3
					10206662	2
					10257830	8
					10261568	23

Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
					Crown-owned watercourse, near boundary of PID # 10217792	1
					Crown-owned watercourse, near boundary of PID # 10254498	1
	<i>Carex plantaginea</i>	Plantain-Leaved Sedge	S2S3	Sensitive	10257830	2
	<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	10257830	4
					10261568	3
	<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	10076669	1
					10168714	2
					10182376	1
					10257830	2
					10261568	4
	<i>Boehmeria cylindrica</i>	Small-spike False-nettle	S3	Sensitive	10168714	5
					10261568	1
	<i>Cardamine maxima</i>	Large Toothwort	S3	Secure	10261568	1
	<i>Carex rosea</i>	Rosy Sedge	S3	Secure	10074185	13
					10076487	1
					10168714	3
					10169324	4
					10182376	1
					10202810	1



Survey Site	Scientific Name	Common Name	NB S-rank	NB GS-rank	PID #	# of Recorded Locations
					10257830	10
					10261568	6
	<i>Dryopteris goldiana</i>	Goldie's Woodfern	S3	Sensitive	10257830	1
					10261568	1
	<i>Nuphar lutea ssp. pumila</i>	Small Yellow Pond-lily	S3	Secure	10168714	1
	<i>Pilea pumila</i>	Dwarf Clearweed	S3	Secure	10168714	1
	<i>Rubus occidentalis</i>	Black Raspberry	S3	Secure	10261568	1
	<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	Crown-owned watercourse, near boundary of PID # 10076669	1
					Crown-owned watercourse, near boundary of PID # 10254498	1
	<i>Agrimonia striata / gryposepala</i>				10168714	1
	<i>Scirpus atrovirens / georgianus</i>				10168714	1
	<i>Stachys cf. tenuifolia</i>				10168714	6
					10206662	1
					10261568	1

**Table 2.** Properties supporting rare species and significant communities, listed by site and property identification number (PID#), with number of records of each species or community by property. Note that records for bird species were generally recorded at the location at which the species was heard or seen rather than the precise location where the bird occurred. Grey shading highlights parcels supporting five or more provincially rare species.

Survey Site	PID #	# of Rare Species	Scientific Name	Common Name	NB S-rank	NB GS-rank	# of Recorded Locations
Aroostook River	65052946	12	<i>Polygala senega</i>	Seneca Snakeroot	S2	Sensitive	5
			<i>Shepherdia canadensis</i>	Soapberry	S2	Sensitive	4
			<i>Solidago simplex</i>	Sticky Goldenrod	S2	May Be At Risk	9
			<i>Woodsia alpina</i>	Alpine Cliff Fern	S2	Sensitive	1
			<i>Carex capillaris</i>	Hairlike Sedge	S3	Secure	2
			<i>Carex haydenii</i>	Hayden's Sedge	S3	Secure	1
			<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane	S3	Secure	10
			<i>Parnassia glauca</i>	Fen Grass-of-Parnassus	S3	Secure	2
			<i>Thalictrum venulosum</i>	Northern Meadow-rue	S3	Secure	4
			<i>Triantha glutinosa</i>	Sticky False-Asphodel	S3	Secure	3
			<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	7
			<i>Potentilla arguta</i>	Tall Cinquefoil	S3S4	Secure	2
	65084808	5	<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	4
			<i>Solidago simplex</i>	Sticky Goldenrod	S2	May Be At Risk	1
			<i>Poa glauca</i>	Glaucous Blue Grass	S3	Secure	2
			<i>Thalictrum venulosum</i>	Northern Meadow-rue	S3	Secure	3
			<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	2
	65084824	3+	<i>Carex eburnea</i>	Bristle-leaved Sedge	S3	Secure	1
			<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	3
			<i>Potentilla arguta</i>	Tall Cinquefoil	S3S4	Secure	2
			<i>Agrimonia striata / gryposepala</i>				1
	65084840	4	<i>Astragalus eucosmus</i>	Elegant Milk-vetch	S2	May Be At Risk	1
			<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	1
<i>Agrimonia gryposepala</i>			Hooked Agrimony	S3	Secure	1	
<i>Thalictrum venulosum</i>			Northern Meadow-rue	S3	Secure	1	
65084972	5	<i>Polygala senega</i>	Seneca Snakeroot	S2	Sensitive	1	

Survey Site	PID #	# of Rare Species	Scientific Name	Common Name	NB S-rank	NB GS-rank	# of Recorded Locations
			<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	1
			<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	3
			<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane	S3	Secure	1
			<i>Thalictrum venulosum</i>	Northern Meadow-rue	S3	Secure	1
	65084980	1	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane	S3	Secure	1
	65087645	3	<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	1
			<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	1
			<i>Thalictrum venulosum</i>	Northern Meadow-rue	S3	Secure	1
	65116584	5	<i>Anemone multifida</i>	Cut-leaved Anemone	S2	Sensitive	1
			<i>Polygala senega</i>	Seneca Snakeroot	S2	Sensitive	2
			<i>Solidago simplex</i>	Sticky Goldenrod	S2	May Be At Risk	2
			<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	1
			<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	2
	65117178	5	<i>Polygala senega</i>	Seneca Snakeroot	S2	Sensitive	1
			<i>Schizachyrium scoparium</i>	Little Bluestem	S2	Sensitive	1
			<i>Solidago simplex</i>	Sticky Goldenrod	S2	May Be At Risk	2
			<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane	S3	Secure	1
			<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	2
	65208654	3	<i>Barbarea orthoceras</i>	American Yellow Rocket	S2S3	Sensitive	1
<i>Agrimonia gryposepala</i>			Hooked Agrimony	S3	Secure	2	
<i>Thalictrum venulosum</i>			Northern Meadow-rue	S3	Secure	3	
<b>Limestone Stream</b>	65087645	1	<i>Symphyotrichum poss. anticostense</i>				1
	65087918	1	<i>Eleocharis intermedia</i>	Matted Spikerush	S3	Secure	2
	65088163	1	<i>Carex tenera</i>	Tender Sedge	S3	Secure	1
	65088239	0-1	<i>Barbarea orthoceras / vulgaris</i>				1
<b>Big Presque Isle Stream</b>	10044659	1	<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	1
	10057511	1	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
	10058519	1	<i>Stuckenia pectinata</i>	Sago Pondweed	S3S4	Secure	1



Survey Site	PID #	# of Rare Species	Scientific Name	Common Name	NB S-rank	NB GS-rank	# of Recorded Locations
10058683		4	<i>Elymus hystrix</i> var. <i>Bigeloviana</i>	Spreading Wild Rye	S1	May Be At Risk	1
			<i>Juglans cinerea</i>	Butternut	S1	At Risk	2
			<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	1
			<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	3
10059251		1	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
10060226		3	<i>Stuckenia pectinata</i>	Sago Pondweed	S3S4	Secure	1
			<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	1
			<i>Agrimonia</i> cf. <i>gryposepala</i>				1
10081057		2	<i>Juglans cinerea</i>	Butternut	S1	At Risk	2
			<i>Barbarea orthoceras</i>	American Yellow Rocket	S2S3	Sensitive	3
10145225		1	<i>Stuckenia pectinata</i>	Sago Pondweed	S3S4	Secure	1
10145308		1	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
10145423		7+	<i>Elymus hystrix</i> var. <i>Bigeloviana</i>	Spreading Wild Rye	S1	May Be At Risk	1
			<i>Festuca subverticillata</i>	Nodding Fescue	S1	May Be At Risk	2
			<i>Juglans cinerea</i>	Butternut	S1	At Risk	7
			<i>Phryma leptostachya</i>	American Lopseed	S2	Sensitive	2
			<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	5
			<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	3
			<i>Rubus occidentalis</i>	Black Raspberry	S3	Secure	1
			<i>Carex radiata</i> / <i>appalachica</i>				1
10145456		1	<i>Stuckenia pectinata</i>	Sago Pondweed	S3S4	Secure	1
10145589		1	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
10145662		1	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
10153005		3	<i>Dirca palustris</i>	Eastern Leatherwood	S2	May Be At Risk	2
			<i>Carex plantaginea</i>	Plantain-Leaved Sedge	S2S3	Sensitive	5
			<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	4
10153641		1	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
10179125		1	<i>Dirca palustris</i>	Eastern Leatherwood	S2	May Be At Risk	1

Survey Site	PID #	# of Rare Species	Scientific Name	Common Name	NB S-rank	NB GS-rank	# of Recorded Locations
	<b>10195279</b>	1	<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	1
	<b>10246577</b>	2	<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	1
			<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	1
	Crown-owned right-of-way, near boundary of PID # <b>10080836</b>	1	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
	Crown-owned watercourse, near boundary of PID # <b>10043339</b>	1	<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	2
	Crown-owned watercourse, near boundary of PID # <b>10044006</b> and <b>10043339</b>	2	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane	S3	Secure	1
			<i>Triantha glutinosa</i>	Sticky False-Asphodel	S3	Secure	1
	Crown-owned watercourse, near boundary of PID # <b>10044022</b>	1	<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	1
	Crown-owned watercourse, near boundary of PID # <b>10044626</b>	1	<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	1
	Crown-owned watercourse, near boundary of PID # <b>10058683</b>	1	<i>Stuckenia pectinata</i>	Sago Pondweed	S3S4	Secure	1
	Crown-owned watercourse, near boundary of PID # <b>10059251</b>	3+	<i>Stuckenia pectinata</i>	Sago Pondweed	S3S4	Secure	1
			<i>Carex capillaris</i>	Hairlike Sedge	S3	Secure	1
			<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	1
			<i>Muhlenbergia frondosa / mexicana</i>				
	Crown-owned watercourse, near boundary of PID # <b>10060879</b>	2	<i>Stuckenia pectinata</i>	Sago Pondweed	S3S4	Secure	2
			<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	2

Survey Site	PID #	# of Rare Species	Scientific Name	Common Name	NB S-rank	NB GS-rank	# of Recorded Locations
	Crown-owned watercourse, near boundary of PID # <b>10067460</b>	1	<i>Barbarea orthoceras</i>	American Yellow Rocket	S2S3	Sensitive	1
	Crown-owned watercourse, near boundary of PID # <b>10145282</b>	1	<i>Stuckenia pectinata</i>	Sago Pondweed	S3S4	Secure	1
	Crown-owned watercourse, near boundary of PID # <b>10145290</b>	1	<i>Stuckenia pectinata</i>	Sago Pondweed	S3S4	Secure	1
	Crown-owned watercourse, near boundary of PID # <b>10145456</b>	1	<i>Stuckenia pectinata</i>	Sago Pondweed	S3S4	Secure	1
	Crown-owned watercourse, near boundary of PID # <b>10195261</b>	1	<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	1
<b>Meduxnekeag River</b>	<b>10007573</b>	4+	<i>Carex cephaloidea</i>	Thin-leaved Sedge	S1	May Be At Risk	2
			<i>Carex hirtifolia</i>	Pubescent Sedge	S2	Sensitive	3
			<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	1
			<i>Carex rosea</i>	Rosy Sedge	S3	Secure	2
	<b>10007607</b>	2	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
			<i>Carex rosea</i>	Rosy Sedge	S3	Secure	2
	<b>10019255</b>	1	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
	<b>10034718</b>	5+	<i>Canadanthus modestus</i>	Great Northern Aster	S1	May Be At Risk	1
			<i>Carex sterilis</i>	Sterile Sedge	S1	May Be At Risk	1
			<i>Carex haydenii</i>	Hayden's Sedge	S3	Secure	2
			<i>Eleocharis quinqueflora</i>	Few-flowered Spikerush	S3	Secure	1
			<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	1
	<i>Salix discolor / myricoides</i>				1		
<b>10034726</b>	4	<i>Juglans cinerea</i>	Butternut	S1	At Risk	3	



Survey Site	PID #	# of Rare Species	Scientific Name	Common Name	NB S-rank	NB GS-rank	# of Recorded Locations
			<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	1
			<i>Hedysarum alpinum</i>	Alpine Sweet-vetch	S3	Secure	1
			<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	1
	10034825	2	<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	1
			<i>Carex rosea</i>	Rosy Sedge	S3	Secure	1
	10035293	1	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
			<i>Canadanthus modestus</i>	Great Northern Aster	S1	May Be At Risk	5
			<i>Carex sterilis</i>	Sterile Sedge	S1	May Be At Risk	2
	10035426	5	<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	2
			<i>Stellaria longifolia</i>	Long-leaved Starwort	S2	Sensitive	2
			<i>Eleocharis quinqueflora</i>	Few-flowered Spikerush	S3	Secure	1
			<i>Carex cephaloidea</i>	Thin-leaved Sedge	S1	May Be At Risk	2
	10036002	4	<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	5
			<i>Carex rosea</i>	Rosy Sedge	S3	Secure	1
			<i>Dryopteris goldiana</i>	Goldie's Woodfern	S3	Sensitive	2
			<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
	10037927	7	<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	3
			<i>Astragalus alpinus var. brunetianus</i>	Alpine Milk-Vetch	S3	Secure	1
			<i>Cardamine maxima</i>	Large Toothwort	S3	Secure	1
			<i>Carex rosea</i>	Rosy Sedge	S3	Secure	1
			<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane	S3	Secure	3
			<i>Triantha glutinosa</i>	Sticky False-Asphodel	S3	Secure	2
			<i>Carex hirtifolia</i>	Pubescent Sedge	S2	Sensitive	4
	10038065	5+	<i>Carex plantaginea</i>	Plantain-Leaved Sedge	S2S3	Sensitive	6
			<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	9
			<i>Carex ormostachya</i>	Necklace Spike Sedge	S3	Secure	2
			<i>Carex rosea</i>	Rosy Sedge	S3	Secure	3
	10046647	6	<i>Carex sterilis</i>	Sterile Sedge	S1	May Be At Risk	2

Survey Site	PID #	# of Rare Species	Scientific Name	Common Name	NB S-rank	NB GS-rank	# of Recorded Locations
			<i>Spiranthes lucida</i>	Shining Ladies'-Tresses	S2	Sensitive	1
			<i>Eleocharis quinqueflora</i>	Few-flowered Spikerush	S3	Secure	2
			<i>Parnassia glauca</i>	Fen Grass-of-Parnassus	S3	Secure	3
			<i>Triantha glutinosa</i>	Sticky False-Asphodel	S3	Secure	3
			<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	3
	10048148	2	<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	2
			<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	1
	10048676	10+	<i>Carex sterilis</i>	Sterile Sedge	S1	May Be At Risk	3
			<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
			<i>Potamogeton nodosus</i>	Long-leaved Pondweed	S1	May Be At Risk	1
			<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	6
			<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	8
			<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	4
			<i>Carex haydenii</i>	Hayden's Sedge	S3	Secure	1
			<i>Carex rosea</i>	Rosy Sedge	S3	Secure	7
			<i>Eleocharis quinqueflora</i>	Few-flowered Spikerush	S3	Secure	4
			<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	1
			<i>Carex radiata / appalachica</i>				1
	10048742	5	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
			<i>Polygala senega</i>	Seneca Snakeroot	S2	Sensitive	1
<i>Solidago altissima</i>			Tall Goldenrod	S2	Secure	1	
<i>Triosteum aurantiacum</i>			Orange-fruited Tinker's Weed	S2	Sensitive	4	
<i>Eleocharis quinqueflora</i>			Few-flowered Spikerush	S3	Secure	4	
10048965	13	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1	
		<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	2	
		<i>Spiranthes lucida</i>	Shining Ladies'-Tresses	S2	Sensitive	1	
		<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	1	
		<i>Carex plantaginea</i>	Plantain-Leaved Sedge	S2S3	Sensitive	2	

Survey Site	PID #	# of Rare Species	Scientific Name	Common Name	NB S-rank	NB GS-rank	# of Recorded Locations
			<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	2
			<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	3
			<i>Carex capillaris</i>	Hairlike Sedge	S3	Secure	1
			<i>Carex rosea</i>	Rosy Sedge	S3	Secure	7
			<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane	S3	Secure	2
			<i>Hedysarum alpinum</i>	Alpine Sweet-vetch	S3	Secure	2
			<i>Rubus occidentalis</i>	Black Raspberry	S3	Secure	1
			<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	3
	10049039	2	<i>Triantha glutinosa</i>	Sticky False-Asphodel	S3	Secure	1
			<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	1
	10050367	7	<i>Festuca subverticillata</i>	Nodding Fescue	S1	May Be At Risk	1
			<i>Polygala senega</i>	Seneca Snakeroot	S2	Sensitive	1
			<i>Carex plantaginea</i>	Plantain-Leaved Sedge	S2S3	Sensitive	2
			<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	2
			<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	1
			<i>Rubus occidentalis</i>	Black Raspberry	S3	Secure	2
			<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	1
	10050573	8	<i>Carex sterilis</i>	Sterile Sedge	S1	May Be At Risk	1
			<i>Potamogeton nodosus</i>	Long-leaved Pondweed	S1	May Be At Risk	2
			<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	1
			<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	3
<i>Agrimonia gryposepala</i>			Hooked Agrimony	S3	Secure	1	
<i>Boehmeria cylindrica</i>			Small-spike False-nettle	S3	Sensitive	1	
<i>Eleocharis quinqueflora</i>			Few-flowered Spikerush	S3	Secure	2	
<i>Viola nephrophylla</i>			Northern Bog Violet	S3	Secure	2	
10050607	11	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1	
		<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	4	
		<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	8	
		<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	1	



Survey Site	PID #	# of Rare Species	Scientific Name	Common Name	NB S-rank	NB GS-rank	# of Recorded Locations
			<i>Carex rosea</i>	Rosy Sedge	S3	Secure	4
			<i>Hedysarum alpinum</i>	Alpine Sweet-vetch	S3	Secure	4
			<i>Polypodium appalachianum</i>	Appalachian Polypody	S3	Secure	1
			<i>Rubus occidentalis</i>	Black Raspberry	S3	Secure	1
			<i>Triantha glutinosa</i>	Sticky False-Asphodel	S3	Secure	2
			<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	4
			<i>Potentilla arguta</i>	Tall Cinquefoil	S3S4	Secure	1
	10050755	1	<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	4
	10052504	2	<i>Carex plantaginea</i>	Plantain-Leaved Sedge	S2S3	Sensitive	4
			<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	1
	10074185	3	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
			<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	4
			<i>Carex rosea</i>	Rosy Sedge	S3	Secure	13
	10074722	2	<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	1
			<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	1
	10074748	10+	<i>Carex hirtifolia</i>	Pubescent Sedge	S2	Sensitive	1
			<i>Carex sprengelii</i>	Longbeak Sedge	S2	Sensitive	1
			<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	14
			<i>Barbarea orthoceras</i>	American Yellow Rocket	S2S3	Sensitive	1
			<i>Carex plantaginea</i>	Plantain-Leaved Sedge	S2S3	Sensitive	1
			<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	7
			<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	2
			<i>Cardamine maxima</i>	Large Toothwort	S3	Secure	1
			<i>Carex rosea</i>	Rosy Sedge	S3	Secure	4
			<i>Dryopteris goldiana</i>	Goldie's Woodfern	S3	Sensitive	1
			<i>Stachys cf. tenuifolia</i>				1

Survey Site	PID #	# of Rare Species	Scientific Name	Common Name	NB S-rank	NB GS-rank	# of Recorded Locations
	10076123	4+	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
			<i>Boehmeria cylindrica</i>	Small-spike False-nettle	S3	Sensitive	1
			<i>Pilea pumila</i>	Dwarf Clearweed	S3	Secure	1
			<i>Polygonum scandens</i>	Climbing False Buckwheat	S3	Secure	1
			<i>Carex rosea / appalachica</i>				1
	10076487	1	<i>Carex rosea</i>	Rosy Sedge	S3	Secure	1
	10076669	2	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
			<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	1
	10149516	4	<i>Polygala senega</i>	Seneca Snakeroot	S2	Sensitive	1
			<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	1
			<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	1
			<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	1
	10168714	10+	<i>Juglans cinerea</i>	Butternut	S1	At Risk	2
			<i>Ribes cynosbati</i>	Eastern Prickly Gooseberry	S1	May Be At Risk	1
			<i>Nuphar lutea ssp. rubrodisca</i>	Red-disked Yellow Pond-lily	S2	Sensitive	1
			<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	3
			<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	8
			<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	3
			<i>Boehmeria cylindrica</i>	Small-spike False-nettle	S3	Sensitive	5
			<i>Carex rosea</i>	Rosy Sedge	S3	Secure	3
			<i>Nuphar lutea ssp. pumila</i>	Small Yellow Pond-lily	S3	Secure	1
<i>Pilea pumila</i>			Dwarf Clearweed	S3	Secure	1	
<i>Scirpus atrovirens / georgianus</i>						1	
<i>Stachys cf. tenuifolia</i>						6	
10168789	7+	<i>Juglans cinerea</i>	Butternut	S1	At Risk	13	
		<i>Viola canadensis</i>	Canada Violet	S1S2	May Be At Risk	7	
		<i>Phryma leptostachya</i>	American Lopseed	S2	Sensitive	7	
		<i>Carex plantaginea</i>	Plantain-Leaved Sedge	S2S3	Sensitive	1	

Survey Site	PID #	# of Rare Species	Scientific Name	Common Name	NB S-rank	NB GS-rank	# of Recorded Locations
			<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	8
			<i>Cardamine maxima</i>	Large Toothwort	S3	Secure	1
			<i>Dryopteris goldiana</i>	Goldie's Woodfern	S3	Sensitive	1
			<i>Epilobium ciliatum / coloratum</i>				2
	10168813	3	<i>Juglans cinerea</i>	Butternut	S1	At Risk	2
			<i>Carex rosea</i>	Rosy Sedge	S3	Secure	1
			<i>Stachys cf. tenuifolia</i>				1
	10168821	6+	<i>Juglans cinerea</i>	Butternut	S1	At Risk	5
			<i>Viola canadensis</i>	Canada Violet	S1S2	May Be At Risk	6
			<i>Carex sprengeii</i>	Longbeak Sedge	S2	Sensitive	1
			<i>Phryma leptostachya</i>	American Lopseed	S2	Sensitive	3
			<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	1
			<i>Carex rosea</i>	Rosy Sedge	S3	Secure	4
			<i>Agrimonia cf. gryposepala</i>				3
	10169068	2	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
			<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	1
	10169258	5	<i>Carex hirtifolia</i>	Pubescent Sedge	S2	Sensitive	1
			<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	4
			<i>Carex rosea</i>	Rosy Sedge	S3	Secure	1
			<i>Rubus occidentalis</i>	Black Raspberry	S3	Secure	1
			<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	1
	10169266	1	<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	2
	10169324	2	<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	3
			<i>Carex rosea</i>	Rosy Sedge	S3	Secure	4
	10175578	2	<i>Hedysarum alpinum</i>	Alpine Sweet-vetch	S3	Secure	1
			<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	1
	10175602	2	<i>Potamogeton nodosus</i>	Long-leaved Pondweed	S1	May Be At Risk	1
			<i>Symphotrichum boreale</i>	Boreal Aster	S3	Sensitive	1



Survey Site	PID #	# of Rare Species	Scientific Name	Common Name	NB S-rank	NB GS-rank	# of Recorded Locations
	10175610	4	<i>Canadanthus modestus</i>	Great Northern Aster	S1	May Be At Risk	3
			<i>Stellaria longifolia</i>	Long-leaved Starwort	S2	Sensitive	1
			<i>Barbarea orthoceras</i>	American Yellow Rocket	S2S3	Sensitive	1
			<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	1
	10182376	2	<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	1
			<i>Carex rosea</i>	Rosy Sedge	S3	Secure	1
	10202810	1	<i>Carex rosea</i>	Rosy Sedge	S3	Secure	1
	10206662	3+	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
			<i>Polygala senega</i>	Seneca Snakeroot	S2	Sensitive	1
			<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	2
			<i>Stachys cf. tenuifolia</i>				1
	10220739	1	<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	1
	10223048	1	<i>Carex plantaginea</i>	Plantain-Leaved Sedge	S2S3	Sensitive	1
	10223055	2	<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	1
			<i>Carex plantaginea</i>	Plantain-Leaved Sedge	S2S3	Sensitive	1
	10225639	2	<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	1
			<i>Triantha glutinosa</i>	Sticky False-Asphodel	S3	Secure	1
	10244184	17+	<i>Carex cephaloidea</i>	Thin-leaved Sedge	S1	May Be At Risk	2
			<i>Festuca subverticillata</i>	Nodding Fescue	S1	May Be At Risk	5
<i>Juglans cinerea</i>			Butternut	S1	At Risk	7	
<i>Carex hirtifolia</i>			Pubescent Sedge	S2	Sensitive	4	
<i>Carex sprengeii</i>			Longbeak Sedge	S2	Sensitive	2	
<i>Hepatica nobilis var. obtusa</i>			Round-lobed Hepatica	S2	Sensitive	1	
<i>Phryma leptostachya</i>			American Lopseed	S2	Sensitive	2	
<i>Sanicula odorata</i>			Clustered Sanicle	S2	May Be At Risk	1	
<i>Solidago altissima</i>			Tall Goldenrod	S2	Secure	2	
<i>Triosteum aurantiacum</i>			Orange-fruited Tinker's Weed	S2	Sensitive	6	
<i>Carex plantaginea</i>	Plantain-Leaved Sedge	S2S3	Sensitive	8			

Survey Site	PID #	# of Rare Species	Scientific Name	Common Name	NB S-rank	NB GS-rank	# of Recorded Locations
			<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	8
			<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	2
			<i>Carex rosea</i>	Rosy Sedge	S3	Secure	16
			<i>Dryopteris goldiana</i>	Goldie's Woodfern	S3	Sensitive	6
			<i>Pilea pumila</i>	Dwarf Clearweed	S3	Secure	2
			<i>Rubus occidentalis</i>	Black Raspberry	S3	Secure	3
			<i>Epilobium ciliatum / coloratum</i>				1
	10247526	5	<i>Carex hirtifolia</i>	Pubescent Sedge	S2	Sensitive	2
			<i>Carex plantaginea</i>	Plantain-Leaved Sedge	S2S3	Sensitive	1
			<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	1
			<i>Arabis hirsuta var. pycnocarpa</i>	Western Hairy Rockcress	S3	Secure	1
			<i>Carex rosea</i>	Rosy Sedge	S3	Secure	1
	10257830	8	<i>Juglans cinerea</i>	Butternut	S1	At Risk	2
			<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	8
			<i>Carex plantaginea</i>	Plantain-Leaved Sedge	S2S3	Sensitive	2
			<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	4
			<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	2
			<i>Carex rosea</i>	Rosy Sedge	S3	Secure	2
			<i>Carex rosea</i>	Rosy Sedge	S3	Secure	10
	10261071	1	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
	10261568	15+	<i>Carex blanda</i>	Eastern Woodland Sedge	S1	May Be At Risk	1
<i>Carex cephaloidea</i>			Thin-leaved Sedge	S1	May Be At Risk	2	
<i>Dryopteris clintoniana</i>			Clinton's Wood Fern	S1	May Be At Risk	1	
<i>Juglans cinerea</i>			Butternut	S1	At Risk	7	
<i>Carex hirtifolia</i>			Pubescent Sedge	S2	Sensitive	2	
<i>Carex spengelii</i>			Longbeak Sedge	S2	Sensitive	2	
<i>Polygala senega</i>			Seneca Snakeroot	S2	Sensitive	1	

Survey Site	PID #	# of Rare Species	Scientific Name	Common Name	NB S-rank	NB GS-rank	# of Recorded Locations
			<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	23
			<i>Adiantum pedatum</i>	Northern Maidenhair Fern	S3	Secure	3
			<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	4
			<i>Boehmeria cylindrica</i>	Small-spike False-nettle	S3	Sensitive	1
			<i>Cardamine maxima</i>	Large Toothwort	S3	Secure	1
			<i>Carex rosea</i>	Rosy Sedge	S3	Secure	6
			<i>Dryopteris goldiana</i>	Goldie's Woodfern	S3	Sensitive	1
			<i>Rubus occidentalis</i>	Black Raspberry	S3	Secure	1
			<i>Stachys cf. tenuifolia</i>				1
	Crown-owned right-of-way, near boundary of PID # <b>10035293</b>	1	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
	Crown-owned right-of-way, near boundary of PID # <b>10048346</b>	1	<i>Carex rosea</i>	Rosy Sedge	S3	Secure	1
	Crown-owned right-of-way, near boundary of PID # <b>10050607</b>	1	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
	Crown-owned right-of-way, near boundary of PID # <b>10074748</b>	5	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
<i>Triosteum aurantiacum</i>			Orange-fruited Tinker's Weed	S2	Sensitive	1	
<i>Carex plantaginea</i>			Plantain-Leaved Sedge	S2S3	Sensitive	1	
<i>Adiantum pedatum</i>			Northern Maidenhair Fern	S3	Secure	1	
<i>Cardamine maxima</i>			Large Toothwort	S3	Secure	1	
	Crown-owned right-of-way, near boundary of PID # <b>10089365</b> and <b>10237568</b>	1	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
	Crown-owned right-of-way, near boundary of PID # <b>10149516</b>	2	<i>Carex sprengeii</i>	Longbeak Sedge	S2	Sensitive	1

Survey Site	PID #	# of Rare Species	Scientific Name	Common Name	NB S-rank	NB GS-rank	# of Recorded Locations
	Crown-owned right-of-way, near boundary of PID # <b>10169068</b>	1	<i>Carex rosea</i>	Rosy Sedge	S3	Secure	1
			<i>Scrophularia lanceolata</i>	Lance-leaved Figwort	S2	Sensitive	1
	Crown-owned right-of-way, near boundary of PID # <b>10242923</b>	1	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
	Crown-owned watercourse	n/a	<i>Polygala senega</i>	Seneca Snakeroot	S2	Sensitive	1
	Crown-owned watercourse	n/a	<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	1
	Crown-owned watercourse	n/a	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane	S3	Secure	2
	Crown-owned watercourse	n/a	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane	S3	Secure	1
	Crown-owned watercourse	n/a	<i>Hedysarum alpinum</i>	Alpine Sweet-vetch	S3	Secure	1
	Crown-owned watercourse	n/a	<i>Hedysarum alpinum</i>	Alpine Sweet-vetch	S3	Secure	3
	Crown-owned watercourse	n/a	<i>Hedysarum alpinum</i>	Alpine Sweet-vetch	S3	Secure	1
	Crown-owned watercourse	n/a	<i>Muhlenbergia richardsonis</i>	Mat Muhly	S3	Secure	1
	Crown-owned watercourse	n/a	<i>Triantha glutinosa</i>	Sticky False-Asphodel	S3	Secure	1
	Crown-owned watercourse	n/a	<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	3
	Crown-owned watercourse	n/a	<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	2
	Crown-owned watercourse	n/a	<i>Lobelia kalmii</i>	Brook Lobelia	S3S4	Secure	1
	Crown-owned watercourse, near boundary of PID # <b>10034718</b>	2	<i>Canadanthus modestus</i>	Great Northern Aster	S1	May Be At Risk	2
			<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	1



Survey Site	PID #	# of Rare Species	Scientific Name	Common Name	NB S-rank	NB GS-rank	# of Recorded Locations
	Crown-owned watercourse, near boundary of PID # <b>10034726</b>	2	<i>Agrimonia gryposepala</i>	Hooked Agrimony	S3	Secure	1
	Crown-owned watercourse, near boundary of PID # <b>10035426</b>	2	<i>Hedysarum alpinum</i>	Alpine Sweet-vetch	S3	Secure	1
			<i>Barbarea orthoceras</i>	American Yellow Rocket	S2S3	Sensitive	1
	Crown-owned watercourse, near boundary of PID # <b>10036093</b>	1	<i>Hedysarum alpinum</i>	Alpine Sweet-vetch	S3	Secure	1
			<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	1
	Crown-owned watercourse, near boundary of PID # <b>10037927</b>	3	<i>Astragalus alpinus var. brunetianus</i>	Alpine Milk-Vetch	S3	Secure	1
	Crown-owned watercourse, near boundary of PID # <b>10046647</b>	3	<i>Erigeron hyssopifolius</i>	Hyssop-leaved Fleabane	S3	Secure	1
			<i>Triantha glutinosa</i>	Sticky False-Asphodel	S3	Secure	1
			<i>Carex sterilis</i>	Sterile Sedge	S1	May Be At Risk	1
	Crown-owned watercourse, near boundary of PID # <b>10048676</b>	1	<i>Eleocharis quinqueflora</i>	Few-flowered Spikerush	S3	Secure	1
			<i>Lobelia kalmii</i>	Brook Lobelia	S3S4	Secure	1
			<i>Potamogeton nodosus</i>	Long-leaved Pondweed	S1	May Be At Risk	1
	Crown-owned watercourse, near boundary of PID # <b>10049039</b>	1	<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	1

Survey Site	PID #	# of Rare Species	Scientific Name	Common Name	NB S-rank	NB GS-rank	# of Recorded Locations
	Crown-owned watercourse, near boundary of PID # <b>10050367</b>	3	<i>Spiranthes lucida</i>	Shining Ladies'-Tresses	S2	Sensitive	1
	Crown-owned watercourse, near boundary of PID # <b>10050573</b>	1	<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	1
<i>Lobelia kalmii</i>			Brook Lobelia	S3S4	Secure	2	
<i>Triosteum aurantiacum</i>			Orange-fruited Tinker's Weed	S2	Sensitive	1	
	Crown-owned watercourse, near boundary of PID # <b>10050607</b>	6+	<i>Polygala senega</i>	Seneca Snakeroot	S2	Sensitive	2
	Crown-owned watercourse, near boundary of PID # <b>10052504</b>	2+	<i>Spiranthes lucida</i>	Shining Ladies'-Tresses	S2	Sensitive	1
<i>Carex capillaris</i>			Hairlike Sedge	S3	Secure	1	
<i>Hedysarum alpinum</i>			Alpine Sweet-vetch	S3	Secure	2	
<i>Triantha glutinosa</i>			Sticky False-Asphodel	S3	Secure	1	
<i>Viola nephrophylla</i>			Northern Bog Violet	S3	Secure	2	
<i>Scirpus hattorianus</i> / <i>atrovirens</i>						1	
<i>Hedysarum alpinum</i>			Alpine Sweet-vetch	S3	Secure	1	
	Crown-owned watercourse, near boundary of PID # <b>10074185</b>	1	<i>Muhlenbergia richardsonis</i>	Mat Muhly	S3	Secure	1
<i>Solidago cf. simplex</i>						1	
<i>Juglans cinerea</i>			Butternut	S1	At Risk	1	
	Crown-owned watercourse, near boundary of PID # <b>10074722</b>	1	<i>Sisyrinchium mucronatum</i>	Mucronate Blue-eyed-grass	S1?	Undetermined	1

Survey Site	PID #	# of Rare Species	Scientific Name	Common Name	NB S-rank	NB GS-rank	# of Recorded Locations
	Crown-owned watercourse, near boundary of PID # <b>10074748</b>	2+	<i>Barbarea orthoceras</i>	American Yellow Rocket	S2S3	Sensitive	1
	Crown-owned watercourse, near boundary of PID # <b>10076669</b>	1	<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	1
<i>Stachys cf. tenuifolia</i>						1	
<i>Viola nephrophylla</i>			Northern Bog Violet	S3	Secure	1	
	Crown-owned watercourse, near boundary of PID # <b>10089365</b>	1	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
	Crown-owned watercourse, near boundary of PID # <b>10149516</b>	3	<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
	Crown-owned watercourse, near boundary of PID # <b>10168789</b>	4+	<i>Rubus occidentalis</i>	Black Raspberry	S3	Secure	1
<i>Viola nephrophylla</i>			Northern Bog Violet	S3	Secure	1	
<i>Juglans cinerea</i>			Butternut	S1	At Risk	1	
	Crown-owned watercourse, near boundary of PID # <b>10168821</b>	3+	<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	1
<i>Rubus occidentalis</i>			Black Raspberry	S3	Secure	1	
<i>Viola nephrophylla</i>			Northern Bog Violet	S3	Secure	1	
<i>Stachys cf. tenuifolia</i>						1	
<i>Juglans cinerea</i>			Butternut	S1	At Risk	1	
	Crown-owned	2	<i>Triantha glutinosa</i>	Sticky False-Asphodel	S3	Secure	1
<i>Viola nephrophylla</i>			Northern Bog Violet	S3	Secure	1	
<i>Stachys cf. tenuifolia</i>						1	

Survey Site	PID #	# of Rare Species	Scientific Name	Common Name	NB S-rank	NB GS-rank	# of Recorded Locations
	watercourse, near boundary of PID # <b>10169258</b>		<i>Triantha glutinosa</i>	Sticky False-Asphodel	S3	Secure	1
	Crown-owned watercourse, near boundary of PID # <b>10175578</b>	1	<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	3
			<i>Barbarea orthoceras</i>	American Yellow Rocket	S2S3	Sensitive	1
	Crown-owned watercourse, near boundary of PID # <b>10175610</b>	3	<i>Canadanthus modestus</i>	Great Northern Aster	S1	May Be At Risk	1
	Crown-owned watercourse, near boundary of PID # <b>10217792</b>	2	<i>Potamogeton nodosus</i>	Long-leaved Pondweed	S1	May Be At Risk	1
			<i>Carex tenera</i>	Tender Sedge	S3	Secure	1
			<i>Juglans cinerea</i>	Butternut	S1	At Risk	1
	Crown-owned watercourse, near boundary of PID # <b>10244184</b>	3	<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	1
			<i>Desmodium glutinosum</i>	Large Tick-Trefoil	S1	May Be At Risk	2
	Crown-owned watercourse, near boundary of PID # <b>10247526</b>	4	<i>Polygala senega</i>	Seneca Snakeroot	S2	Sensitive	2
			<i>Solidago altissima</i>	Tall Goldenrod	S2	Secure	1
			<i>Polygala senega</i>	Seneca Snakeroot	S2	Sensitive	1
	Crown-owned	2	<i>Triantha glutinosa</i>	Sticky False-Asphodel	S3	Secure	1
			<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	1
			<i>Lobelia kalmii</i>	Brook Lobelia	S3S4	Secure	1



Survey Site	PID #	# of Rare Species	Scientific Name	Common Name	NB S-rank	NB GS-rank	# of Recorded Locations
	watercourse, near boundary of PID # 10254498		<i>Triosteum aurantiacum</i>	Orange-fruited Tinker's Weed	S2	Sensitive	1
	Crown-owned watercourse, near boundary of PID # 10261568	2	<i>Viola nephrophylla</i>	Northern Bog Violet	S3	Secure	1
			<i>Carex annectens</i>	Yellow-Fruited Sedge	S1	May Be At Risk	1
			<i>Juglans cinerea</i>	Butternut	S1	At Risk	1

**Table 3.** Provincially rare bird species detected during surveys, with provincial status ranks (S-rank and General Status Rank [GS Rank], see appendices 1 and 2 for definitions) and breeding evidence documented on each property.

Survey Site	Scientific Name	Common Name	COSEWIC Status	NB S-rank	NB GS-rank	PID #	Breeding Evidence
Aroostook River (Limestone Stream)	<i>Hirundo rustica</i>	Barn Swallow	Threatened	S3B	Sensitive	65209041	Probable breeding: Pair in suitable nesting habitat
	<i>Wilsonia canadensis</i>	Canada Warbler	Threatened	S3S4B	At Risk	65088239	Probable breeding: Adult exhibiting agitated behaviour
						65216798	Possible breeding: Singing male in suitable nesting habitat
						65087371	Probable breeding: Pair in suitable nesting habitat
						65087371	Possible breeding: Singing male in suitable nesting habitat
	<i>Charadrius vociferus</i>	Killdeer		S3B	Sensitive	65087918	Possible breeding: Adult in suitable nesting habitat
<i>Petrochelidon pyrrhonota</i>	Cliff Swallow		S3S4B	Sensitive	65198749	Confirmed breeding: Adult entering nest	
Big Presque Isle Stream	<i>Hirundo rustica</i>	Barn Swallow	Threatened	S3B	Sensitive	10229409	Possible breeding: Adult in suitable nesting habitat
	<i>Wilsonia canadensis</i>	Canada Warbler	Threatened	S3S4B	At Risk	10059251	Possible breeding: Singing male in suitable nesting habitat

Survey Site	Scientific Name	Common Name	COSEWIC Status	NB S-rank	NB GS-rank	PID #	Breeding Evidence
	<i>Haliaeetus leucocephalus</i>	Bald Eagle		S3B	At Risk	10044022	Possible breeding: Adult in suitable nesting habitat
	<i>Haliaeetus leucocephalus</i>	Bald Eagle		S3B	At Risk	10059251	Possible breeding: Adult in suitable nesting habitat
	<i>Myiarchus crinitus</i>	Great Crested Flycatcher		S3B	Sensitive	10059251	Possible breeding: Singing male in suitable nesting habitat
	<i>Passerina cyanea</i>	Indigo Bunting		S3B	Secure	10145589	Possible breeding: Adult in suitable nesting habitat
Meduxnekeag River	<i>Chaetura pelagica</i>	Chimney Swift	Threatened	S2S3B	At Risk	10168714	Possible breeding: Adult in suitable nesting habitat
	<i>Dolichonyx oryzivorus</i>	Bobolink	Threatened	S3S4B	Sensitive	10034726	No evidence of breeding; observed overhead
	<i>Hirundo rustica</i>	Barn Swallow	Threatened	S3B	Sensitive	10176592	Probable breeding: Pair in suitable nesting habitat
						10035350	Probable breeding: Pair in suitable nesting habitat
						10175602	Probable breeding: Pair in suitable nesting habitat
						10038131	Possible breeding: Adult in suitable nesting habitat
	<i>Hylocichla mustelina</i>	Wood Thrush	Threatened	S1S2B	May Be At Risk	10048965	Possible breeding: Singing male in suitable nesting habitat
						10048965	Possible breeding: Adult in suitable nesting habitat
	<i>Wilsonia canadensis</i>	Canada Warbler	Threatened	S3S4B	At Risk	10148898	Possible breeding: Singing male in suitable nesting habitat
						10076123	Possible breeding: Singing male in suitable nesting habitat
						10168805	Possible breeding: Singing male in suitable nesting habitat
						10048676	Possible breeding: Singing male in suitable nesting habitat
						10050573	Possible breeding: Singing male in suitable nesting habitat
						10048742	Possible breeding: Singing male in suitable nesting habitat
10048742						Possible breeding: Singing male in suitable nesting habitat	
10048742	Possible breeding: Singing male in suitable nesting habitat						
<i>Cathartes aura</i>	Turkey Vulture		S3B	Secure	10168714	Possible breeding: Adult in suitable nesting habitat	

Survey Site	Scientific Name	Common Name	COSEWIC Status	NB S-rank	NB GS-rank	PID #	Breeding Evidence
	<i>Charadrius vociferus</i>	Killdeer		S3B	Sensitive	10035293	Probable breeding: Pair in suitable nesting habitat
	<i>Haliaeetus leucocephalus</i>	Bald Eagle		S3B	At Risk	10168789	Possible breeding: Adult in suitable nesting habitat
10169324						Possible breeding: Adult in suitable nesting habitat	
10050607						Possible breeding: Adult in suitable nesting habitat	
	<i>Passerina cyanea</i>	Indigo Bunting		S3B	Secure	10168805	Possible breeding: Adult in suitable nesting habitat
	<i>Piranga olivacea</i>	Scarlet Tanager		S3S4B	Secure	10169324	Possible breeding: Singing male in suitable nesting habitat

## APPENDIX 1. NatureServe Status Rank Definitions

Source: <http://www.natureserve.org/conservation-tools/conservation-status-assessment>

Global Rank	National Rank	Provincial Rank	DEFINITION
GX	NX	SX	<b>Presumed Extinct</b> (G-rank) / <b>Extirpated</b> (N- and S-ranks) — Species or ecosystem not located despite intensive searches and virtually no likelihood of rediscovery.
GH	NH	SH	<b>Possibly Extinct</b> (G-rank) / <b>Extirpated</b> (N- and S-ranks) — Known from only historical occurrences but still some hope of rediscovery. There is evidence that the species may be extinct or the ecosystem may be eliminated throughout its range, but not enough to state this with certainty.
G1	N1	S1	<b>Critically Imperiled</b> — At very high risk of extinction (G-rank) / extirpation (N- and S-ranks) due to extreme rarity (often 5 or fewer populations), very steep declines, or other factors.
G2	N2	S2	<b>Imperiled</b> — At high risk of extinction (G-rank) / extirpation (N- and S-ranks) due to very restricted range, very few populations, steep declines, or other factors.
G3	N3	S3	<b>Vulnerable</b> — At moderate risk of extinction (G-rank) / extirpation (N- and S-ranks) due to a restricted range, relatively few populations, recent and widespread declines, or other factors.
G4	N4	S4	<b>Apparently Secure</b> — Uncommon but not rare; some cause for long-term concern due to declines or other factors.
G5	N5	S5	<b>Secure</b> — Common; widespread and abundant.

## APPENDIX 2. General Status Ranks Definitions

Source: <http://www.wildspecies.ca>

RANK	DEFINITION
<b>Extinct</b>	Species that are extirpated worldwide ( <i>i.e.</i> , they no longer exist anywhere).
<b>Extirpated</b>	Species that are no longer present in a given geographic area, but occur in other areas.
<b>At Risk</b>	Species which have been determined to be at risk of extinction ( <i>i.e.</i> Endangered or Threatened) by a formal, detailed risk assessment (COSEWIC status assessment or provincial or territorial equivalent).
<b>May Be At Risk</b>	Species that may be at risk of extirpation or extinction and are therefore candidates for a detailed risk assessment by COSEWIC, or provincial or territorial equivalents.
<b>Sensitive</b>	Species that are not believed to be at risk of immediate extirpation or extinction but may require special attention or protection to prevent them from becoming at risk.
<b>Secure</b>	Species that are not believed to belong in the categories Extinct, Extirpated, At Risk, May Be At Risk, Sensitive, Accidental or Exotic. This category includes some species that show a trend of decline in numbers in Canada but remain relatively widespread or abundant.
<b>Undetermined</b>	Species for which insufficient data, information, or knowledge is available with which to reliably evaluate their general status.
<b>Not Assessed</b>	Species that are known or believed to be present regularly in the geographic area in Canada to which the rank applies, but have not yet been assessed by the general status program.
<b>Exotic</b>	Species that have been moved beyond their natural range as a result of human activity. In this report, Exotic species have been purposefully excluded from all other categories.
<b>Accidental</b>	Species occurring infrequently and unpredictably, outside their usual range.



### APPENDIX 3.

Full list of vascular plants documented during surveys, with provincial status ranks (S-rank and General Status Rank [GS Rank], see appendices 1 and 2 for definitions) and abundance at each survey site (c = common, f = fairly common, l = locally common, u = uncommon, rl = rare overall but locally common, r = rare). For provincially rare species (shaded text), the number of recorded locations is provided instead of abundance.

Common Name	Scientific Name	Family	NB S-rank	NB GS-rank	Abundance at Survey Sites		
					Aroostook River	Big Presque Isle Stream	Meduxnekeag River
Shining Firmoss	<i>Huperzia lucidula</i>	Lycopodiaceae	S5	Secure		r	r
Stiff Clubmoss	<i>Lycopodium annotinum</i>	Lycopodiaceae	S5	Secure	l	c	c
Running Clubmoss	<i>Lycopodium clavatum</i>	Lycopodiaceae	S5	Secure			r
Round-branched Tree-clubmoss	<i>Lycopodium dendroideum</i>	Lycopodiaceae	S5	Secure	l	c	c
Southern Clubmoss	<i>Lycopodium digitatum</i>	Lycopodiaceae	S5	Secure	r	r	c
One-cone clubmoss	<i>Lycopodium lagopus</i>	Lycopodiaceae	S4	Secure			r
Flat-branched Tree-clubmoss	<i>Lycopodium obscurum</i>	Lycopodiaceae	S5	Secure			r
Field Horsetail	<i>Equisetum arvense</i>	Equisetaceae	S5	Secure	f	c	c
Water Horsetail	<i>Equisetum fluviatile</i>	Equisetaceae	S5	Secure		c	l
Common Scouring-rush	<i>Equisetum hyemale</i>	Equisetaceae	S4	Secure			u
Meadow Horsetail	<i>Equisetum pratense</i>	Equisetaceae	S4	Secure			r
Dwarf Scouring-Rush	<i>Equisetum scirpoides</i>	Equisetaceae	S4	Secure	r		u
Woodland Horsetail	<i>Equisetum sylvaticum</i>	Equisetaceae	S5	Secure			c
Daisy-leaved Moonwort	<i>Botrychium matricariifolium</i>	Ophioglossaceae	S4	Secure		r	
Rattlesnake Fern	<i>Botrychium virginianum</i>	Ophioglossaceae	S4	Secure	r		r
Cinnamon Fern	<i>Osmunda cinnamomea</i>	Osmundaceae	S5	Secure			u
Interrupted Fern	<i>Osmunda claytoniana</i>	Osmundaceae	S5	Secure	c	c	c
Royal Fern	<i>Osmunda regalis var. spectabilis</i>	Osmundaceae	S5	Secure	r		-
Appalachian Polypody	<i>Polypodium appalachianum</i>	Polypodiaceae	S3	Secure			1
Rock Polypody	<i>Polypodium virginianum</i>	Polypodiaceae	S5	Secure	r	r	l
Eastern Hay-Scented Fern	<i>Dennstaedtia punctilobula</i>	Dennstaedtiaceae	S5	Secure	u	r	u
Bracken Fern	<i>Pteridium aquilinum var. latiusculum</i>	Dennstaedtiaceae	S5	Secure	c	c	c
Northern Maidenhair Fern	<i>Adiantum pedatum</i>	Pteridaceae	S3	Secure	1	11	57
Northern Beech Fern	<i>Phegopteris connectilis</i>	Thelypteridaceae	S5	Secure	c	c	c
New York Fern	<i>Thelypteris noveboracensis</i>	Thelypteridaceae	S5	Secure	u	u	c
Eastern Marsh Fern	<i>Thelypteris palustris var. pubescens</i>	Thelypteridaceae	S5	Secure			u
Common Lady Fern	<i>Athyrium filix-femina ssp. angustum</i>	Dryopteridaceae	S5	Secure	c	c	c
Bulblet Bladder Fern	<i>Cystopteris bulbifera</i>	Dryopteridaceae	S4	Secure	c	c	c

Common Name	Scientific Name	Family	NB S-rank	NB GS-rank	Abundance at Survey Sites		
					Aroostook River	Big Presque Isle Stream	Meduxnekeag River
A Bladderfern	<i>Cystopteris tenuis</i>	Dryopteridaceae	S4	Secure	r		r
Silvery Glade Fern	<i>Deparia acrostichoides</i>	Dryopteridaceae	S4	Secure	f	c	c
Mountain Wood Fern	<i>Dryopteris campyloptera</i>	Dryopteridaceae	S5	Secure	r	f	r
Spinulose Wood Fern	<i>Dryopteris carthusiana</i>	Dryopteridaceae	S5	Secure	f	u	r
Clinton's Wood Fern	<i>Dryopteris clintoniana</i>	Dryopteridaceae	S1	May Be At Risk			1
Crested Wood Fern	<i>Dryopteris cristata</i>	Dryopteridaceae	S5	Secure			l
Goldie's Woodfern	<i>Dryopteris goldiana</i>	Dryopteridaceae	S3	Sensitive			12
Evergreen Wood Fern	<i>Dryopteris intermedia</i>	Dryopteridaceae	S5	Secure	c	c	c
Marginal Wood Fern	<i>Dryopteris marginalis</i>	Dryopteridaceae	S5	Secure	c	f	c
Common Oak Fern	<i>Gymnocarpium dryopteris</i>	Dryopteridaceae	S5	Secure	c	c	c
Ostrich Fern	<i>Matteuccia struthiopteris</i>	Dryopteridaceae	S5	Secure	c	c	c
Sensitive Fern	<i>Onoclea sensibilis</i>	Dryopteridaceae	S5	Secure	c	c	c
Christmas Fern	<i>Polystichum acrostichoides</i>	Dryopteridaceae	S5	Secure	u	c	c
Braun's Holly Fern	<i>Polystichum braunii</i>	Dryopteridaceae	S4	Secure	r	f	
Alpine Cliff Fern	<i>Woodsia alpina</i>	Dryopteridaceae	S2	Sensitive	1		
Canada Yew	<i>Taxus canadensis</i>	Taxaceae	S5	Secure	u	l	c
Balsam Fir	<i>Abies balsamea</i>	Pinaceae	S5	Secure	c	c	c
Tamarack	<i>Larix laricina</i>	Pinaceae	S5	Secure	c	r	
White Spruce	<i>Picea glauca</i>	Pinaceae	S5	Secure	c	c	c
Red Spruce	<i>Picea rubens</i>	Pinaceae	S5	Secure		f	l
Red Pine	<i>Pinus resinosa</i>	Pinaceae	S4S5	Secure			r
Eastern White Pine	<i>Pinus strobus</i>	Pinaceae	S5	Secure	l	u	c
Scotch Pine	<i>Pinus sylvestris</i>	Pinaceae	SNA	Exotic		r	
Eastern Hemlock	<i>Tsuga canadensis</i>	Pinaceae	S5	Secure	c	c	c
Eastern White Cedar	<i>Thuja occidentalis</i>	Cupressaceae	S5	Secure	c	c	c
Canada Wild Ginger	<i>Asarum canadense</i>	Aristolochiaceae	S4	Secure	r	f	f
Small Yellow Pond-lily	<i>Nuphar lutea ssp. pumila</i>	Nymphaeaceae	S3	Secure			1
White Baneberry	<i>Actaea pachypoda</i>	Ranunculaceae	S4	Secure	u	u	c
Red Baneberry	<i>Actaea rubra</i>	Ranunculaceae	S5	Secure	c	c	c
Hybrid Baneberry	<i>Actaea x ludovici</i>	Ranunculaceae	SNA	No Assessed			-
Canada Anemone	<i>Anemone canadensis</i>	Ranunculaceae	S5	Secure	c	c	c
Cut-leaved Anemone	<i>Anemone multifida</i>	Ranunculaceae	S2	Sensitive	1		
Wood Anemone	<i>Anemone quinquefolia</i>	Ranunculaceae	S4	Secure	u		l
Virginia Anemone	<i>Anemone virginiana</i>	Ranunculaceae	S4	Secure	f	f	f
Virginia Anemone	<i>Anemone virginiana var. alba</i>	Ranunculaceae	S4	Secure			r
European Columbine	<i>Aquilegia vulgaris</i>	Ranunculaceae	SNA	Exotic	r		r

Common Name	Scientific Name	Family	NB S-rank	NB GS-rank	Abundance at Survey Sites		
					Aroostook River	Big Presque Isle Stream	Meduxnekeag River
Yellow Marsh Marigold	<i>Caltha palustris</i>	Ranunculaceae	S4S5	Secure		c	
Virginia Clematis	<i>Clematis virginiana</i>	Ranunculaceae	S5	Secure	c	c	c
Goldthread	<i>Coptis trifolia</i>	Ranunculaceae	S5	Secure	f	r	
Round-lobed Hepatica	<i>Hepatica nobilis var. obtusa</i>	Ranunculaceae	S2	Sensitive			1
Kidney-Leaved Buttercup	<i>Ranunculus abortivus</i>	Ranunculaceae	S5	Secure	u	l	c
Common Buttercup	<i>Ranunculus acris</i>	Ranunculaceae	SNA	Exotic	c	c	c
Lesser Spearwort	<i>Ranunculus flammula</i>	Ranunculaceae	S5	Secure			u
Lesser Spearwort	<i>Ranunculus flammula var. filiformis</i>	Ranunculaceae	S5	Secure			r
Bristly Buttercup	<i>Ranunculus hispidus</i>	Ranunculaceae	S4S5	Secure	r	r	
Bristly Buttercup	<i>Ranunculus hispidus var. caricetorum</i>	Ranunculaceae	S4S5	Secure	c	c	c
Pennsylvania Buttercup	<i>Ranunculus pennsylvanicus</i>	Ranunculaceae	S4	Secure	r		u
Hooked Buttercup	<i>Ranunculus recurvatus</i>	Ranunculaceae	S4	Secure	u	c	c
Creeping Buttercup	<i>Ranunculus repens</i>	Ranunculaceae	SNA	Exotic	u	c	c
White Water Buttercup	<i>Ranunculus trichophyllus</i>	Ranunculaceae	S4S5	Secure	r		r
Tall Meadow-Rue	<i>Thalictrum pubescens</i>	Ranunculaceae	S5	Secure	c	c	c
Northern Meadow-rue	<i>Thalictrum venulosum</i>	Ranunculaceae	S3	Secure	13		
Japanese Barberry	<i>Berberis thunbergii</i>	Berberidaceae	SNA	Exotic			r
Blue Cohosh	<i>Caulophyllum thalictroides</i>	Berberidaceae	S4	Secure		c	c
Greater Celandine	<i>Chelidonium majus</i>	Papaveraceae	SNA	Exotic		r	
Bloodroot	<i>Sanguinaria canadensis</i>	Papaveraceae	S4S5	Secure	r	c	c
White Elm	<i>Ulmus americana</i>	Ulmaceae	S4S5	Secure	c	f	c
Small-spike False-nettle	<i>Boehmeria cylindrica</i>	Urticaceae	S3	Sensitive			8
Canada Wood Nettle	<i>Laportea canadensis</i>	Urticaceae	S5	Secure	c	c	c
Dwarf Clearweed	<i>Pilea pumila</i>	Urticaceae	S3	Secure			4
Stinging Nettle	<i>Urtica dioica</i>	Urticaceae	S4	Secure	u	rl	r
Stinging Nettle	<i>Urtica dioica ssp. gracilis</i>	Urticaceae	S4	Secure	c	u	f
Butternut	<i>Juglans cinerea</i>	Juglandaceae	S1	At Risk		18	67
Sweet Gale	<i>Myrica gale</i>	Myricaceae	S5	Secure	u		r
American Beech	<i>Fagus grandifolia</i>	Fagaceae	S5	Secure	f	c	c
Northern Red Oak	<i>Quercus rubra</i>	Fagaceae	S5	Secure			u
Speckled Alder	<i>Alnus incana ssp. rugosa</i>	Betulaceae	S5	Secure	c	c	c
Green Alder	<i>Alnus viridis ssp. crispa</i>	Betulaceae	S5	Secure	f		
Yellow Birch	<i>Betula alleghaniensis</i>	Betulaceae	S5	Secure	c	c	c
Heart-leaved Birch	<i>Betula papyrifera var. cordifolia</i>	Betulaceae	S5	Secure			u

Common Name	Scientific Name	Family	NB S-rank	NB GS-rank	Abundance at Survey Sites		
					Aroostook River	Big Presque Isle Stream	Meduxnekeag River
Heart-leaved Birch	<i>Betula papyrifera var. papyrifera</i>	Betulaceae	S5	Secure	c	f	c
Gray Birch	<i>Betula populifolia</i>	Betulaceae	S5	Secure			f
Beaked Hazel	<i>Corylus cornuta</i>	Betulaceae	S5	Secure	c	c	c
Ironwood	<i>Ostrya virginiana</i>	Betulaceae	S4S5	Secure	r	c	c
Common Kochia	<i>Bassia scoparia</i>	Chenopodiaceae	SNA	Exotic		-	
Common Lamb's Quarters	<i>Chenopodium album</i>	Chenopodiaceae	SNA	Exotic	r	r	r
Jerusalem-oak Goosefoot	<i>Chenopodium botrys</i>	Chenopodiaceae	SNA	Exotic		-	
Oak-leaved Goosefoot	<i>Chenopodium glaucum</i>	Chenopodiaceae	SNA	Exotic			-
Common Chickweed	<i>Cerastium fontanum</i>	Caryophyllaceae	SNA	Exotic			r
Common Chickweed	<i>Cerastium fontanum ssp. vulgare</i>	Caryophyllaceae	SNA	Exotic	r	r	f
Deptford Pink	<i>Dianthus armeria</i>	Caryophyllaceae	SNA	Exotic			r
Ragged-Robin	<i>Lychnis flos-cuculi</i>	Caryophyllaceae	SNA	Exotic	r		
Blunt-leaved Sandwort	<i>Moehringia lateriflora</i>	Caryophyllaceae	S5	Secure	r		r
White Campion	<i>Silene latifolia ssp. alba</i>	Caryophyllaceae	SNA	Exotic	r		r
Bladder Campion	<i>Silene vulgaris</i>	Caryophyllaceae	SNA	Exotic	c	c	f
Common Corn Spurrey	<i>Spergula arvensis</i>	Caryophyllaceae	SNA	Exotic			r
Ruby Sandspurrey	<i>Spergularia rubra</i>	Caryophyllaceae	SNA	Exotic	r		
Boreal Stitchwort	<i>Stellaria borealis</i>	Caryophyllaceae	S4S5	Secure			r
Little Starwort	<i>Stellaria graminea</i>	Caryophyllaceae	SNA	Exotic		c	r
Long-leaved Starwort	<i>Stellaria longifolia</i>	Caryophyllaceae	S2	Sensitive			3
Common Starwort	<i>Stellaria media</i>	Caryophyllaceae	SNA	Exotic	r		
Water Smartweed	<i>Polygonum amphibium</i>	Polygonaceae	S5	Secure	f		u
Water Smartweed	<i>Polygonum amphibium var. stipulaceum</i>	Polygonaceae	S5	Secure	f		u
Prostrate Knotweed	<i>Polygonum aviculare</i>	Polygonaceae	SNA	Secure	r	r	
Fringed Black Bindweed	<i>Polygonum cilinode</i>	Polygonaceae	S5	Secure	c	l	u
Eurasian Black Bindweed	<i>Polygonum convolvulus</i>	Polygonaceae	SNA	Exotic			r
Japanese Knotweed	<i>Polygonum cuspidatum</i>	Polygonaceae	SNA	Exotic	l		r
Marshpepper Smartweed	<i>Polygonum hydropiper</i>	Polygonaceae	SNA	Exotic	f	c	f
Pale Smartweed	<i>Polygonum lapathifolium</i>	Polygonaceae	S5	Secure	r	r	r
Small Waterpepper	<i>Polygonum minus</i>	Polygonaceae	SNA	Exotic	r		
Pennsylvania Smartweed	<i>Polygonum pensylvanicum</i>	Polygonaceae	S4	Secure	r		
Spotted Lady's-thumb	<i>Polygonum persicaria</i>	Polygonaceae	SNA	Exotic	r	r	u
Arrow-leaved Smartweed	<i>Polygonum sagittatum</i>	Polygonaceae	S5	Secure	u		u
Climbing False Buckwheat	<i>Polygonum scandens</i>	Polygonaceae	S3	Secure			1
Sheep Sorrel	<i>Rumex acetosella</i>	Polygonaceae	SNA	Exotic	r	r	rl



Common Name	Scientific Name	Family	NB S-rank	NB GS-rank	Abundance at Survey Sites		
					Aroostook River	Big Presque Isle Stream	Meduxnekeag River
Curled Dock	<i>Rumex crispus</i>	Polygonaceae	SNA	Exotic	u	r	u
Bitter Dock	<i>Rumex obtusifolius</i>	Polygonaceae	SNA	Exotic	c	c	c
Greater Water Dock	<i>Rumex orbiculatus</i>	Polygonaceae	S5	Secure	u	r	u
Triangular-valve Dock	<i>Rumex salicifolius var. mexicanus</i>	Polygonaceae	S4S5	Secure	f	r	r
a dock	<i>Rumex sp.</i>	Polygonaceae				r	
Northern St John's-Wort	<i>Hypericum boreale</i>	Clusiaceae	S5	Secure			r
Pale St John's-Wort	<i>Hypericum ellipticum</i>	Clusiaceae	S5	Secure			r
Common St. John's-wort	<i>Hypericum perforatum</i>	Clusiaceae	SNA	Exotic	c	c	c
White Basswood	<i>Tilia americana</i>	Tiliaceae	S4	Secure			c
Musk Mallow	<i>Malva moschata</i>	Malvaceae	SNA	Exotic	r	r	-
Sweet White Violet	<i>Viola blanda var. palustriformis</i>	Violaceae	S5	Secure	r	r	f
Canada Violet	<i>Viola canadensis</i>	Violaceae	S1S2	May Be At Risk			12
Marsh Blue Violet	<i>Viola cucullata</i>	Violaceae	S5	Secure		u	c
Labrador Violet	<i>Viola labradorica</i>	Violaceae	S4S5	Secure	u	c	c
Northern Bog Violet	<i>Viola nephrophylla</i>	Violaceae	S3	Secure	16	11	39
Downy Yellow Violet	<i>Viola pubescens var. scabriuscula</i>	Violaceae	S4S5	Secure	r	f	c
Kidney-leaved White Violet	<i>Viola renifolia</i>	Violaceae	S4S5	Secure	u	f	r
Woolly Blue Violet	<i>Viola sororia</i>	Violaceae	S5	Secure	f	f	c
a Hybrid Violet	<i>Viola x melissifolia</i>	Violaceae	SNA	No Assessed			-
Wild Cucumber	<i>Echinocystis lobata</i>	Cucurbitaceae	S5	Secure	c	f	c
Balsam Poplar	<i>Populus balsamifera</i>	Salicaceae	S5	Secure	c	c	c
Large-toothed Aspen	<i>Populus grandidentata</i>	Salicaceae	S5	Secure	c	u	c
Trembling Aspen	<i>Populus tremuloides</i>	Salicaceae	S5	Secure	c	c	c
Bebb's Willow	<i>Salix bebbiana</i>	Salicaceae	S5	Secure	f	f	f
Pussy Willow	<i>Salix discolor</i>	Salicaceae	S5	Secure	f	r	c
a willow	<i>Salix discolor / myricoides</i>	Salicaceae					1
Cottony Willow	<i>Salix eriocephala</i>	Salicaceae	S5	Secure	c	c	c
Upland Willow	<i>Salix humilis</i>	Salicaceae	S5	Secure	r	u	u
Shining Willow	<i>Salix lucida</i>	Salicaceae	S5	Secure	r		r
Meadow Willow	<i>Salix petiolaris</i>	Salicaceae	S5	Secure	r	rl	r
Purple Willow	<i>Salix purpurea</i>	Salicaceae	SNA	Exotic		-	
Silky Willow	<i>Salix sericea</i>	Salicaceae	S5	Secure		r	f
Basket Willow	<i>Salix viminalis</i>	Salicaceae	SNA	Exotic	r		
a Willow	<i>Salix x rubens</i>	Salicaceae	SNA	Exotic	r	r	r
Garlic Mustard	<i>Alliaria petiolata</i>	Brassicaceae	SNA	Exotic			c
Western Hairy Rockcress	<i>Arabis hirsuta var. pycnocarpa</i>	Brassicaceae	S3	Secure			1

Common Name	Scientific Name	Family	NB S-rank	NB GS-rank	Abundance at Survey Sites		
					Aroostook River	Big Presque Isle Stream	Meduxnekeag River
a yellow rocket	<i>Barbarea poss. orthoceras</i>	Brassicaceae			1	3	
American Yellow Rocket	<i>Barbarea orthoceras</i>	Brassicaceae	S2S3	Sensitive		1	5
Yellow Rocket	<i>Barbarea vulgaris</i>	Brassicaceae	SNA	Exotic	c	c	c
Turnip	<i>Brassica napus</i>	Brassicaceae	SNA	Exotic			r
Bird's Rape	<i>Brassica rapa</i>	Brassicaceae	SNA	Exotic	f	r	f
Shepherd's Purse	<i>Capsella bursa-pastoris</i>	Brassicaceae	SNA	Exotic	r		r
Two-leaved Toothwort	<i>Cardamine diphylla</i>	Brassicaceae	S4S5	Secure	u	c	l
Narrow-leaved Bittercress	<i>Cardamine impatiens</i>	Brassicaceae	SNA	Exotic	r		
Large Toothwort	<i>Cardamine maxima</i>	Brassicaceae	S3	Secure			5
Pennsylvania Bittercress	<i>Cardamine pensylvanica</i>	Brassicaceae	S5	Secure	f	c	f
Cuckoo Flower	<i>Cardamine pratensis</i>	Brassicaceae	SNA	Exotic	r	r	
Worm-seeded Wallflower	<i>Erysimum cheiranthoides</i>	Brassicaceae	S5	Secure	c	u	u
Dame's Rocket	<i>Hesperis matronalis</i>	Brassicaceae	SNA	Exotic	c	c	c
Dense-flowered Pepperwort	<i>Lepidium densiflorum</i>	Brassicaceae	SNA	Exotic		-	
Wild Radish	<i>Raphanus raphanistrum</i>	Brassicaceae	SNA	Exotic	r	l	u
Bog Yellowcress	<i>Rorippa palustris</i>	Brassicaceae	S5	Secure	c	c	r
Creeping Yellowcress	<i>Rorippa sylvestris</i>	Brassicaceae	SNA	Exotic	u	f	c
Corn Mustard	<i>Sinapis arvensis</i>	Brassicaceae	SNA	Exotic			-
Dwarf Bilberry	<i>Vaccinium caespitosum</i>	Ericaceae	S4	Secure	r		
Common Pipsissewa	<i>Chimaphila umbellata</i>	Pyrolaceae	S5	Secure	r		
Common Pipsissewa	<i>Chimaphila umbellata ssp. cisatlantica</i>	Pyrolaceae	S5	Secure		r	r
One-flowered Wintergreen	<i>Moneses uniflora</i>	Pyrolaceae	S5	Secure	r	r	f
One-sided Wintergreen	<i>Orthilia secunda</i>	Pyrolaceae	S5	Secure	r	r	
Pink Pyrola	<i>Pyrola asarifolia</i>	Pyrolaceae	S5	Secure	f	u	
Green-flowered Pyrola	<i>Pyrola chlorantha</i>	Pyrolaceae	S4	Secure		r	
Shinleaf	<i>Pyrola elliptica</i>	Pyrolaceae	S5	Secure	f	c	c
Pinesap	<i>Monotropa hypopithys</i>	Monotropaceae	S4	Secure	r		
Indian Pipe	<i>Monotropa uniflora</i>	Monotropaceae	S5	Secure		r	r
Fringed Yellow Loosestrife	<i>Lysimachia ciliata</i>	Primulaceae	S5	Secure	c	c	c
Creeping Yellow Loosestrife	<i>Lysimachia nummularia</i>	Primulaceae	SNA	Exotic	l	r	c
Swamp Yellow Loosestrife	<i>Lysimachia terrestris</i>	Primulaceae	S5	Secure	r	u	f
Garden Yellow Loosestrife	<i>Lysimachia vulgaris</i>	Primulaceae	SNA	Exotic		c	r
Northern Starflower	<i>Trientalis borealis</i>	Primulaceae	S5	Secure	c	c	c
Wild Black Currant	<i>Ribes americanum</i>	Grossulariaceae	S4	Secure	c	c	f
Prickly Gooseberry	<i>Ribes cynosbati</i>	Grossulariaceae	S1	May Be At Risk			1

Common Name	Scientific Name	Family	NB S-rank	NB GS-rank	Abundance at Survey Sites		
					Aroostook River	Big Presque Isle Stream	Meduxnekeag River
Skunk Currant	<i>Ribes glandulosum</i>	Grossulariaceae	S5	Secure	f	u	r
Smooth Gooseberry	<i>Ribes hirtellum</i>	Grossulariaceae	S5	Secure	u	u	u
Bristly Black Currant	<i>Ribes lacustre</i>	Grossulariaceae	S5	Secure	c	r	r
European Black Currant	<i>Ribes nigrum</i>	Grossulariaceae	SNA	Exotic		r	
European Red Currant	<i>Ribes rubrum</i>	Grossulariaceae	SNA	Exotic		r	
Swamp Red Currant	<i>Ribes triste</i>	Grossulariaceae	S5	Secure	c	u	u
Garden Stonecrop	<i>Hylotelephium telephium</i>	Crassulaceae	SNA	Exotic		r	f
American Golden Saxifrage	<i>Chrysosplenium americanum</i>	Saxifragaceae	S5	Secure		r	u
Naked Bishop's-Cap	<i>Mitella nuda</i>	Saxifragaceae	S5	Secure	r	u	r
Fen Grass-of-Parnassus	<i>Parnassia glauca</i>	Saxifragaceae	S3	Secure	2		3
Heart-leaved Foamflower	<i>Tiarella cordifolia</i>	Saxifragaceae	S4	Secure	u	f	c
a groovebur	<i>Agrimonia cf. gryposepala</i>	Rosaceae				1	2
Hooked Agrimony	<i>Agrimonia gryposepala</i>	Rosaceae	S3	Secure	7	3	28
Woodland Agrimony	<i>Agrimonia striata</i>	Rosaceae	S5	Secure	c	c	c
a groovebur	<i>Agrimonia striata / gryposepala</i>	Rosaceae			1		
Bartram's Serviceberry	<i>Amelanchier bartramiana</i>	Rosaceae	S5	Secure	u		
Smooth Serviceberry	<i>Amelanchier laevis</i>	Rosaceae	S5	Secure			r
Round-leaved Serviceberry	<i>Amelanchier sanguinea</i>	Rosaceae	S4S5	Secure	f	u	u
Round-Leaved Serviceberry	<i>Amelanchier sanguinea var. gaspensis</i>	Rosaceae	SNR	Undetermined			-
Round-Leaved Serviceberry	<i>Amelanchier sanguinea var. sanguinea</i>	Rosaceae	S4S5	Secure		u	
an amelanchier	<i>Amelanchier sp.</i>	Rosaceae			r	f	c
Common Silverweed	<i>Argentina anserina</i>	Rosaceae	S5	Secure	r		
Egede's Silverweed	<i>Argentina egedii</i>	Rosaceae	S4S5	Secure			r
a hawthorn	<i>Crataegus cf. flabellata</i>	Rosaceae					r
a hawthorn	<i>Crataegus cf. oakesianus</i>	Rosaceae					-
a hawthorn	<i>Crataegus sp.</i>	Rosaceae			f	u	l
Shrubby Cinquefoil	<i>Dasiphora fruticosa ssp. floribunda</i>	Rosaceae	S4	Secure	u		
Queen-of-the-Prairie	<i>Filipendula rubra</i>	Rosaceae	SNA	Exotic		r	
Woodland Strawberry	<i>Fragaria vesca ssp. americana</i>	Rosaceae	S4	Secure	f	r	u
Wild Strawberry	<i>Fragaria virginiana</i>	Rosaceae	S5	Secure	c	c	c
Yellow Avens	<i>Geum aleppicum</i>	Rosaceae	S5	Secure	r	r	f
White Avens	<i>Geum canadense</i>	Rosaceae	S5	Secure	u	c	c
Rough Avens	<i>Geum laciniatum</i>	Rosaceae	S5	Secure	f	c	ru

Common Name	Scientific Name	Family	NB S-rank	NB GS-rank	Abundance at Survey Sites		
					Aroostook River	Big Presque Isle Stream	Meduxnekeag River
Large-Leaved Avens	<i>Geum macrophyllum</i>	Rosaceae	S5	Secure	u		f
Water Avens	<i>Geum rivale</i>	Rosaceae	S5	Secure	u	r	
an avens	<i>Geum sp.</i>	Rosaceae				u	
Wood Avens	<i>Geum urbanum</i>	Rosaceae	SNA	Exotic			c
Catling's Avens	<i>Geum x catlingii</i>	Rosaceae	SNA	Exotic			f
Common Apple	<i>Malus pumila</i>	Rosaceae	SNA	Exotic	r	u	f
Tall Cinquefoil	<i>Potentilla arguta</i>	Rosaceae	S3S4	Secure	4		1
Rough Cinquefoil	<i>Potentilla norvegica</i>	Rosaceae	S5	Secure	u	f	
Rough Cinquefoil	<i>Potentilla norvegica ssp. monspeliensis</i>	Rosaceae	S5	Secure	f	f	f
Sulphur Cinquefoil	<i>Potentilla recta</i>	Rosaceae	SNA	Exotic			r
Old Field Cinquefoil	<i>Potentilla simplex</i>	Rosaceae	S5	Secure		r	u
a cinquefoil	<i>Potentilla sp.</i>	Rosaceae					r
Pin Cherry	<i>Prunus pensylvanica</i>	Rosaceae	S5	Secure	u	c	f
Sand Cherry	<i>Prunus pumila var. depressa</i>	Rosaceae	S4	Secure	u		
Black Cherry	<i>Prunus serotina</i>	Rosaceae	S5	Secure		c	c
Chokecherry	<i>Prunus virginiana</i>	Rosaceae	S5	Secure	c	c	c
Smooth Rose	<i>Rosa blanda</i>	Rosaceae	S5	Secure	c	f	c
Cinnamon Rose	<i>Rosa cinnamomea</i>	Rosaceae	SNA	Exotic		r	
Red-leaved Rose	<i>Rosa rubrifolia</i>	Rosaceae	SNA	Exotic			-
a rose	<i>Rosa sp.</i>	Rosaceae				r	
Alleghaney Blackberry	<i>Rubus allegheniensis</i>	Rosaceae	S5	Secure			c
Smooth Blackberry	<i>Rubus canadensis</i>	Rosaceae	S5	Secure		f	-
Red Raspberry	<i>Rubus idaeus ssp. strigosus</i>	Rosaceae	S5	Secure	c	c	c
Black Raspberry	<i>Rubus occidentalis</i>	Rosaceae	S3	Secure		1	11
Dwarf Red Raspberry	<i>Rubus pubescens</i>	Rosaceae	S5	Secure	c	c	c
American Mountain Ash	<i>Sorbus americana</i>	Rosaceae	S5	Secure	u	f	f
European Mountain Ash	<i>Sorbus aucuparia</i>	Rosaceae	SNA	Exotic			u
Showy Mountain Ash	<i>Sorbus decora</i>	Rosaceae	S4S5	Secure	r	r	r
White Meadowsweet	<i>Spiraea alba var. latifolia</i>	Rosaceae	S5	Secure	u		c
Japanese Spiraea	<i>Spiraea japonica var. fortunei</i>	Rosaceae	SNA	Exotic		r	r
American Hog Peanut	<i>Amphicarpaea bracteata</i>	Fabaceae	S4S5	Secure	f	r	c
American Groundnut	<i>Apios americana</i>	Fabaceae	S4S5	Secure	c	r	c
Alpine Milk-Vetch	<i>Astragalus alpinus var. brunetianus</i>	Fabaceae	S3	Secure			2
Elegant Milk-vetch	<i>Astragalus eucosmus</i>	Fabaceae	S2	May Be At Risk	1		



Common Name	Scientific Name	Family	NB S-rank	NB GS-rank	Abundance at Survey Sites		
					Aroostook River	Big Presque Isle Stream	Meduxnekeag River
Purple Crown-vetch	<i>Coronilla varia</i>	Fabaceae	SNA	Exotic	f	r	u
Canada Tick-trefoil	<i>Desmodium canadense</i>	Fabaceae	S4S5	Secure	c		c
Large Tick-Trefoil	<i>Desmodium glutinosum</i>	Fabaceae	S1	May Be At Risk			2
Alpine Sweet-vetch	<i>Hedysarum alpinum</i>	Fabaceae	S3	Secure			17
Everlasting Pea	<i>Lathyrus latifolius</i>	Fabaceae	SNA	Exotic	r		c
Meadow Vetchling	<i>Lathyrus pratensis</i>	Fabaceae	SNA	Exotic			r
Garden Bird's-foot Trefoil	<i>Lotus corniculatus</i>	Fabaceae	SNA	Exotic	l	c	l
Large-Leaved Lupine	<i>Lupinus polyphyllus</i>	Fabaceae	SNA	Exotic		r	
Black Medick	<i>Medicago lupulina</i>	Fabaceae	SNA	Exotic	r	r	f
White Sweet-clover	<i>Melilotus albus</i>	Fabaceae	SNA	Exotic	r	c	f
Yellow Sweet-clover	<i>Melilotus officinalis</i>	Fabaceae	SNA	Exotic		r	
a sweet-clover	<i>Melilotus sp.</i>	Fabaceae			l		-
Black Locust	<i>Robinia pseudoacacia</i>	Fabaceae	SNA	Exotic			r
Rabbit's-foot Clover	<i>Trifolium arvense</i>	Fabaceae	SNA	Exotic		-	r
Yellow Clover	<i>Trifolium aureum</i>	Fabaceae	SNA	Exotic	r	f	u
Low Hop Clover	<i>Trifolium campestre</i>	Fabaceae	SNA	Exotic	l	r	f
Alsike Clover	<i>Trifolium hybridum</i>	Fabaceae	SNA	Exotic	r	l	u
Zigzag Clover	<i>Trifolium medium</i>	Fabaceae	SNA	Exotic	u		
Red Clover	<i>Trifolium pratense</i>	Fabaceae	SNA	Exotic	c	c	c
White Clover	<i>Trifolium repens</i>	Fabaceae	SNA	Exotic	c	c	c
Tufted Vetch	<i>Vicia cracca</i>	Fabaceae	SNA	Exotic	c	c	c
Russian Olive	<i>Elaeagnus angustifolia</i>	Elaeagnaceae	SNA	Exotic			r
Soapberry	<i>Shepherdia canadensis</i>	Elaeagnaceae	S2	Sensitive	4		
a water milfoil	<i>Myriophyllum sp.</i>	Haloragaceae					f
Purple Loosestrife	<i>Lythrum salicaria</i>	Lythraceae	SNA	Exotic	f	l	c
Eastern Leatherwood	<i>Dirca palustris</i>	Thymelaeaceae	S2	May Be At Risk		3	
Fireweed	<i>Chamerion angustifolium</i>	Onagraceae	S5	Secure	r	u	r
Small Enchanter's Nightshade	<i>Circaea alpina</i>	Onagraceae	S5	Secure	c	c	c
Broad-leaved Enchanter's Nightshade	<i>Circaea lutetiana</i>	Onagraceae	S4	Secure			f
Broad-leaved Enchanter's Nightshade	<i>Circaea lutetiana ssp. canadensis</i>	Onagraceae	S4	Secure		c	c
Intermediate Enchanter's Nightshade	<i>Circaea x intermedia</i>	Onagraceae	SNA	No Assessed		r	u
Northern Willowherb	<i>Epilobium ciliatum</i>	Onagraceae	S5	Secure	f	f	r
a willowherb	<i>Epilobium ciliatum / coloratum</i>	Onagraceae					2

Common Name	Scientific Name	Family	NB S-rank	NB GS-rank	Abundance at Survey Sites		
					Aroostook River	Big Presque Isle Stream	Meduxnekeag River
Marsh Seedbox	<i>Ludwigia palustris</i>	Onagraceae	S4	Secure			u
an evening primrose	<i>Oenothera biennis / parviflora</i>	Onagraceae			f	f	c
Perennial Evening Primrose	<i>Oenothera perennis</i>	Onagraceae	S5	Secure	r	u	u
Alternate-leaved Dogwood	<i>Cornus alternifolia</i>	Cornaceae	S5	Secure	c	c	c
Bunchberry	<i>Cornus canadensis</i>	Cornaceae	S5	Secure	c	c	c
Round-leaved Dogwood	<i>Cornus rugosa</i>	Cornaceae	S4	Secure	l	r	c
Red Osier Dogwood	<i>Cornus sericea</i>	Cornaceae	S5	Secure	c	c	c
Eastern Dwarf Mistletoe	<i>Arceuthobium pusillum</i>	Viscaceae	S5	Secure	r		r
Mountain Holly	<i>Nemopanthus mucronatus</i>	Aquifoliaceae	S5	Secure	r		
Common Three-seed Mercury	<i>Acalypha rhomboidea</i>	Euphorbiaceae	S4	Secure	r	r	
Worm-seeded Spurge	<i>Chamaesyce vermiculata</i>	Euphorbiaceae	S4	Secure	r	r	r
Alder-leaved Buckthorn	<i>Rhamnus alnifolia</i>	Rhamnaceae	S4S5	Secure		r	
Virginia Creeper	<i>Parthenocissus quinquefolia</i>	Vitaceae	SNA	Exotic		r	r
a creeper	<i>Parthenocissus sp.</i>	Vitaceae			r		u
Thicket Creeper	<i>Parthenocissus vitacea</i>	Vitaceae	SNA	Exotic	r	c	r
Riverbank Grape	<i>Vitis riparia</i>	Vitaceae	S4	Secure	c	f	c
Seneca Snakeroot	<i>Polygala senega</i>	Polygalaceae	S2	Sensitive	9		11
Manitoba Maple	<i>Acer negundo</i>	Aceraceae	SNA	Exotic	c	f	f
Striped Maple	<i>Acer pensylvanicum</i>	Aceraceae	S5	Secure	f	c	c
Red Maple	<i>Acer rubrum</i>	Aceraceae	S5	Secure	c	c	c
Sugar Maple	<i>Acer saccharum</i>	Aceraceae	S5	Secure	c	c	c
Mountain Maple	<i>Acer spicatum</i>	Aceraceae	S5	Secure	c	c	c
Staghorn Sumac	<i>Rhus typhina</i>	Anacardiaceae	S5	Secure	r	c	u
Northern Poison Oak	<i>Toxicodendron rydbergii</i>	Anacardiaceae	S5	Secure	c	c	c
Common Wood Sorrel	<i>Oxalis montana</i>	Oxalidaceae	S5	Secure	c	c	c
European Wood Sorrel	<i>Oxalis stricta</i>	Oxalidaceae	S5	Secure	c	c	c
Meadow Crane's-Bill	<i>Geranium pratense</i>	Geraniaceae	SNA	Exotic		r	r
Spotted Jewelweed	<i>Impatiens capensis</i>	Balsaminaceae	S5	Secure	c	c	c
a touch-me-not	<i>Impatiens capensis / pallida</i>	Balsaminaceae					1
Wild Sarsaparilla	<i>Aralia nudicaulis</i>	Araliaceae	S5	Secure	c	c	c
American Spikenard	<i>Aralia racemosa</i>	Araliaceae	S4S5	Secure	r	r	r
Bishop's Goutweed	<i>Aegopodium podagraria</i>	Apiaceae	SNA	Exotic	l	u	r
Purple-stemmed Angelica	<i>Angelica atropurpurea</i>	Apiaceae	S4S5	Secure	r		
Woodland Angelica	<i>Angelica sylvestris</i>	Apiaceae	SNA	Exotic			r
Wild Chervil	<i>Anthriscus sylvestris</i>	Apiaceae	SNA	Exotic	r		r
Wild Caraway	<i>Carum carvi</i>	Apiaceae	SNA	Exotic	r	r	r

Common Name	Scientific Name	Family	NB S-rank	NB GS-rank	Abundance at Survey Sites		
					Aroostook River	Big Presque Isle Stream	Meduxnekeag River
Bulbous Water-hemlock	<i>Cicuta bulbifera</i>	Apiaceae	S5	Secure	r		f
Spotted Water-Hemlock	<i>Cicuta maculata</i>	Apiaceae	S5	Secure			c
Chinese Hemlock-parsley	<i>Conioselinum chinense</i>	Apiaceae	S4	Secure	f		
Queen Anne's Lace	<i>Daucus carota</i>	Apiaceae	SNA	Exotic		c	c
Common Cow Parsnip	<i>Heracleum maximum</i>	Apiaceae	S5	Secure	c	c	c
American Marsh Pennywort	<i>Hydrocotyle americana</i>	Apiaceae	S5	Secure			r
Hairy Sweet Cicely	<i>Osmorhiza claytonii</i>	Apiaceae	S5	Secure			r
Wild Parsnip	<i>Pastinaca sativa</i>	Apiaceae	SNA	Exotic	r	r	r
Maryland Sanicle	<i>Sanicula marilandica</i>	Apiaceae	S4S5	Secure	f	f	
Clustered Sanicle	<i>Sanicula odorata</i>	Apiaceae	S2	May Be At Risk			1
Common Water Parsnip	<i>Sium suave</i>	Apiaceae	S5	Secure	f		r
Golden Alexanders	<i>Zizia aurea</i>	Apiaceae	S4	Secure	r		f
Spurred Gentian	<i>Halenia deflexa</i>	Gentianaceae	S4S5	Secure		u	
Spreading Dogbane	<i>Apocynum androsaemifolium</i>	Apocynaceae	S5	Secure	f	u	c
Indian Hemp	<i>Apocynum cannabinum</i>	Apocynaceae	S5	Secure	c	u	c
a hybrid Dogbane	<i>Apocynum x floribundum</i>	Apocynaceae	SNA	No Assessed			-
Swamp Milkweed	<i>Asclepias incarnata</i>	Asclepiadaceae	S4	Secure	u	r	f
Common Milkweed	<i>Asclepias syriaca</i>	Asclepiadaceae	S4S5	Secure	l	l	c
Bittersweet Nightshade	<i>Solanum dulcamara</i>	Solanaceae	SNA	Exotic	u	r	f
Hedge False Bindweed	<i>Calystegia sepium</i>	Convolvulaceae	S5	Secure	c	u	c
Common Viper's Bugloss	<i>Echium vulgare</i>	Boraginaceae	SNA	Exotic		u	
European Gromwell	<i>Lithospermum officinale</i>	Boraginaceae	SNA	Exotic			r
Small Forget-Me-Not	<i>Myosotis laxa</i>	Boraginaceae	S5	Secure	c	f	c
True Forget-Me-Not	<i>Myosotis scorpioides</i>	Boraginaceae	SNA	Exotic	c	c	f
Woodland Forget-Me-Not	<i>Myosotis sylvatica</i>	Boraginaceae	SNA	Exotic		c	u
Prickly Comfrey	<i>Symphytum x uplandicum</i>	Boraginaceae	SNA	Exotic		c	
American Lopseed	<i>Phryma leptostachya</i>	Verbenaceae	S2	Sensitive		2	12
Blue Vervain	<i>Verbena hastata</i>	Verbenaceae	S4	Secure	c	c	c
Wild Basil	<i>Clinopodium vulgare</i>	Lamiaceae	S4S5	Secure	r	u	u
Bifid Hemp-nettle	<i>Galeopsis bifida</i>	Lamiaceae	SNA	Exotic		r	f
Common Hemp-nettle	<i>Galeopsis tetrahit</i>	Lamiaceae	SNA	Exotic	c	c	u
Ground Ivy	<i>Glechoma hederacea</i>	Lamiaceae	SNA	Exotic	u	r	f
American Water Horehound	<i>Lycopus americanus</i>	Lamiaceae	S5	Secure	f	c	c
Northern Water Horehound	<i>Lycopus uniflorus</i>	Lamiaceae	S5	Secure		r	u
Wild Mint	<i>Mentha arvensis</i>	Lamiaceae	S5	Secure	c	c	c
Common Self-heal	<i>Prunella vulgaris</i>	Lamiaceae	S5	Secure	f	f	c

Common Name	Scientific Name	Family	NB S-rank	NB GS-rank	Abundance at Survey Sites		
					Aroostook River	Big Presque Isle Stream	Meduxnekeag River
Marsh Skullcap	<i>Scutellaria galericulata</i>	Lamiaceae	S5	Secure		u	r
Mad-dog Skullcap	<i>Scutellaria lateriflora</i>	Lamiaceae	S5	Secure	f	f	c
Mad Dog Skullcap	<i>Scutellaria x churchilliana</i>	Lamiaceae	SNA	No Assessed			c
a hedge-nettle	<i>Stachys cf. palustris</i>	Lamiaceae			-		
a hedge-nettle	<i>Stachys cf. tenuifolia</i>	Lamiaceae					12
Marsh Hedge-Nettle	<i>Stachys palustris</i>	Lamiaceae	SNA	Exotic	u	f	c
a hedge-nettle	<i>Stachys sp.</i>	Lamiaceae					-
Large Water-Starwort	<i>Callitriche heterophylla</i>	Callitrichaceae	S4S5	Secure			-
Marsh Water-starwort	<i>Callitriche palustris</i>	Callitrichaceae	S5	Secure		r	-
a water-starwort	<i>Callitriche palustris / heterophylla</i>	Callitrichaceae			r		r
a water-starwort	<i>Callitriche sp.</i>	Callitrichaceae			u		u
English Plantain	<i>Plantago lanceolata</i>	Plantaginaceae	SNA	Exotic		r	r
Common Plantain	<i>Plantago major</i>	Plantaginaceae	SNA	Exotic	c	c	c
Rugel's Plantain	<i>Plantago rugelii</i>	Plantaginaceae	S4	Secure	r	r	f
White Ash	<i>Fraxinus americana</i>	Oleaceae	S5	Secure	f	c	c
Black Ash	<i>Fraxinus nigra</i>	Oleaceae	S5	Secure	c	c	c
Hungarian Lilac	<i>Syringa josikaea</i>	Oleaceae	SNA	Exotic	r		
Dwarf Snapdragon	<i>Chaenorhinum minus</i>	Scrophulariaceae	SNA	Exotic	r	rl	r
White Turtlehead	<i>Chelone glabra</i>	Scrophulariaceae	S5	Secure	f	c	c
an eyebright	<i>Euphrasia sp.</i>	Scrophulariaceae			r		r
Clammy Hedge-Hyssop	<i>Gratiola neglecta</i>	Scrophulariaceae	S4	Secure			r
Butter-and-Eggs	<i>Linaria vulgaris</i>	Scrophulariaceae	SNA	Exotic	u	l	c
Square-stemmed Monkeyflower	<i>Mimulus ringens</i>	Scrophulariaceae	S4S5	Secure	c	f	f
Foxglove Beardtongue	<i>Penstemon digitalis</i>	Scrophulariaceae	SNA	Exotic		f	
Little Yellow Rattle	<i>Rhinanthus minor</i>	Scrophulariaceae	S5	Secure	r		
Lance-leaved Figwort	<i>Scrophularia lanceolata</i>	Scrophulariaceae	S2	Sensitive			1
Common Mullein	<i>Verbascum thapsus</i>	Scrophulariaceae	SNA	Exotic	r	l	r
American Speedwell	<i>Veronica americana</i>	Scrophulariaceae	S5	Secure	u	r	u
Corn Speedwell	<i>Veronica arvensis</i>	Scrophulariaceae	SNA	Exotic	r		
Germander Speedwell	<i>Veronica chamaedrys</i>	Scrophulariaceae	SNA	Exotic	f	f	r
Common Speedwell	<i>Veronica officinalis</i>	Scrophulariaceae	S5	Exotic	c	c	c
Purslane Speedwell	<i>Veronica peregrina ssp. xalapensis</i>	Scrophulariaceae	S4	Secure	u		
Marsh Speedwell	<i>Veronica scutellata</i>	Scrophulariaceae	S5	Secure			r
Thyme-Leaved Speedwell	<i>Veronica serpyllifolia ssp. serpyllifolia</i>	Scrophulariaceae	SNA	Exotic	r	r	r

Common Name	Scientific Name	Family	NB S-rank	NB GS-rank	Abundance at Survey Sites		
					Aroostook River	Big Presque Isle Stream	Meduxnekeag River
Beechdrops	<i>Epifagus virginiana</i>	Orobanchaceae	S4S5	Secure			u
Greater Bladderwort	<i>Utricularia macrorhiza</i>	Lentibulariaceae	S5	Secure			-
Marsh Bellflower	<i>Campanula aparinoides</i>	Campanulaceae	S4	Secure			u
Creeping Bellflower	<i>Campanula rapunculoides</i>	Campanulaceae	SNA	Exotic	r	r	c
Common Harebell	<i>Campanula rotundifolia</i>	Campanulaceae	S5	Secure	r	u	c
Indian Tobacco	<i>Lobelia inflata</i>	Campanulaceae	S5	Secure		r	r
Brook Lobelia	<i>Lobelia kalmii</i>	Campanulaceae	S3S4	Secure			4
Common Bedstraw	<i>Galium aparine</i>	Rubiaceae	SNA	Exotic		r	
Rough Bedstraw	<i>Galium asprellum</i>	Rubiaceae	S5	Secure	f	f	c
Northern Bedstraw	<i>Galium boreale</i>	Rubiaceae	S4?	Secure		r	
Smooth Bedstraw	<i>Galium mollugo</i>	Rubiaceae	SNA	Exotic	c	c	c
Common Marsh Bedstraw	<i>Galium palustre</i>	Rubiaceae	S5	Secure	c	c	c
Dyer's Bedstraw	<i>Galium tinctorium</i>	Rubiaceae	S5	Secure			f
Three-petaled Bedstraw	<i>Galium trifidum</i>	Rubiaceae	S5	Secure	f		u
Three-flowered Bedstraw	<i>galium triflorum</i>	Rubiaceae	S5	Secure	f	c	c
Partridgeberry	<i>Mitchella repens</i>	Rubiaceae	S5	Secure	r	r	u
Northern Bush Honeysuckle	<i>Diervilla lonicera</i>	Caprifoliaceae	S5	Secure	c	c	c
Twinflower	<i>Linnaea borealis ssp. americana</i>	Caprifoliaceae	S5	Secure	u		
Canada Fly Honeysuckle	<i>Lonicera canadensis</i>	Caprifoliaceae	S5	Secure	c	c	c
Tartarian Honeysuckle	<i>Lonicera tatarica</i>	Caprifoliaceae	SNA	Exotic			r
a Hybrid Honeysuckle	<i>Lonicera x bella</i>	Caprifoliaceae	SNA	Exotic			-
Bush Honeysuckle	<i>Lonicera x xylosteoides</i>	Caprifoliaceae	SNA	Exotic			f
Dwarf Honeysuckle	<i>Lonicera xylosteum</i>	Caprifoliaceae	SNA	Exotic		r	f
Black Elderberry	<i>Sambucus nigra ssp. canadensis</i>	Caprifoliaceae	S5	Secure			-
Red Elderberry	<i>Sambucus racemosa ssp. pubens</i>	Caprifoliaceae	S5	Secure	c	c	c
Orange-fruited Tinker's Weed	<i>Triosteum aurantiacum</i>	Caprifoliaceae	S2	Sensitive			108
a viburnum	<i>Viburnum cf. edule</i>	Caprifoliaceae				r	
Hobblebush	<i>Viburnum lantanoides</i>	Caprifoliaceae	S5	Secure	f	c	c
Northern Wild Raisin	<i>Viburnum nudum var. cassinoides</i>	Caprifoliaceae	S5	Secure	r		r
Highbush Cranberry	<i>Viburnum opulus var. americanum</i>	Caprifoliaceae	S5	Secure	f	c	c
Common Valerian	<i>Valeriana officinalis</i>	Valerianaceae	SNA	Exotic	f		
Common Yarrow	<i>Achillea millefolium</i>	Asteraceae	S5	Secure	c	u	f
White Snakeroot	<i>Ageratina altissima</i>	Asteraceae	S4S5	Secure	u	c	c
Common Ragweed	<i>Ambrosia artemisiifolia</i>	Asteraceae	S5	Secure	u	r	u
Pearly Everlasting	<i>Anaphalis margaritacea</i>	Asteraceae	S5	Secure	u	l	u
Howell's Pussytoes	<i>Antennaria howellii</i>	Asteraceae	S5	Secure			u



Common Name	Scientific Name	Family	NB S-rank	NB GS-rank	Abundance at Survey Sites		
					Aroostook River	Big Presque Isle Stream	Meduxnekeag River
a pussytoes	<i>Antennaria sp.</i>	Asteraceae			u		l
Great Burdock	<i>Arctium lappa</i>	Asteraceae	SNA	Exotic	c	l	c
Common Burdock	<i>Arctium minus</i>	Asteraceae	SNA	Exotic	c	c	c
a burdock	<i>Arctium sp.</i>	Asteraceae					-
Common Wormwood	<i>Artemisia vulgaris</i>	Asteraceae	SNA	Exotic	c	c	f
Nodding Beggarticks	<i>Bidens cernua</i>	Asteraceae	S5	Secure	r	u	r
Devil's Beggarticks	<i>Bidens frondosa</i>	Asteraceae	S5	Secure	f	u	f
a beggarticks	<i>Bidens frondosa / vulgata</i>	Asteraceae					c
Tall Beggarticks	<i>Bidens vulgata</i>	Asteraceae	S4	Secure		f	f
Great Northern Aster	<i>Canadanthus modestus</i>	Asteraceae	S1	May Be At Risk			11
Wild Chicory	<i>Cichorium intybus</i>	Asteraceae	SNA	Exotic		r	r
Canada Thistle	<i>Cirsium arvense</i>	Asteraceae	SNA	Exotic	f	c	c
Swamp Thistle	<i>Cirsium muticum</i>	Asteraceae	S5	Secure			r
Bull Thistle	<i>Cirsium vulgare</i>	Asteraceae	SNA	Exotic		l	c
Canada Horseweed	<i>Conyza canadensis</i>	Asteraceae	S5	Secure	r		r
Narrow-leaved Hawksbeard	<i>Crepis tectorum</i>	Asteraceae	SNA	Exotic	r	-	
Hairy Flat-top White Aster	<i>Doellingeria umbellata</i>	Asteraceae	S5	Secure	f	c	c
Eastern Burnweed	<i>Erechtites hieraciifolia</i>	Asteraceae	S5	Secure			-
Annual Fleabane	<i>Erigeron annuus</i>	Asteraceae	S4S5	Secure		c	c
Hyssop-leaved Fleabane	<i>Erigeron hyssopifolius</i>	Asteraceae	S3	Secure	12	1	8
Philadelphia Fleabane	<i>Erigeron philadelphicus</i>	Asteraceae	S4	Secure	u	f	c
Rough Fleabane	<i>Erigeron strigosus</i>	Asteraceae	S5	Secure	c	c	c
Spotted Joe-pye-weed	<i>Eupatorium maculatum</i>	Asteraceae	S5	Secure	c	c	c
Common Boneset	<i>Eupatorium perfoliatum</i>	Asteraceae	S5	Secure			c
Large-leaved Aster	<i>Eurybia macrophylla</i>	Asteraceae	S5	Secure	c		c
Grass-leaved Goldenrod	<i>Euthamia graminifolia</i>	Asteraceae	S5	Secure	c	c	c
Marsh Cudweed	<i>Gnaphalium uliginosum</i>	Asteraceae	SNA	Exotic	r	r	r
Jerusalem Artichoke	<i>Helianthus tuberosus</i>	Asteraceae	SNA	Exotic	c	r	c
Orange Hawkweed	<i>Hieracium aurantiacum</i>	Asteraceae	SNA	Exotic	c	f	c
Field Hawkweed	<i>Hieracium caespitosum</i>	Asteraceae	SNA	Exotic	f	c	c
a hawkweed	<i>Hieracium cf. caespitosum</i>	Asteraceae			f		u
Common Hawkweed	<i>Hieracium lachenalii</i>	Asteraceae	SNA	Exotic	l		f
Mouse-ear Hawkweed	<i>hieracium pilosella</i>	Asteraceae	SNA	Exotic	u	u	r
Tall Hawkweed	<i>hieracium piloselloides</i>	Asteraceae	SNA	Exotic			r
King Devil Hawkweed	<i>Hieracium praealtum var. decipiens</i>	Asteraceae	SNA	Exotic			-

Common Name	Scientific Name	Family	NB S-rank	NB GS-rank	Abundance at Survey Sites		
					Aroostook River	Big Presque Isle Stream	Meduxnekeag River
Rough Hawkweed	<i>Hieracium scabrum</i>	Asteraceae	S5	Secure		r	r
a hawkweed	<i>Hieracium sp.</i>	Asteraceae				c	
Whiplash Hawkweed	<i>Hieracium x flagellare</i>	Asteraceae	SNA	Exotic			r
Smoothish Hawkweed	<i>Hieracium x floribundum</i>	Asteraceae	SNA	Exotic	r	c	c
Elecampane	<i>Inula helenium</i>	Asteraceae	SNA	Exotic		r	r
Tall Blue Lettuce	<i>Lactuca biennis</i>	Asteraceae	S5	Secure		c	
Canada Lettuce	<i>Lactuca canadensis</i>	Asteraceae	S5	Secure		r	r
Prickly Lettuce	<i>Lactuca serriola</i>	Asteraceae	SNA	Exotic		-	
Common Nipplewort	<i>Lapsana communis</i>	Asteraceae	SNA	Exotic	f	c	f
Fall Dandelion	<i>Leontodon autumnalis</i>	Asteraceae	SNA	Exotic	r	l	f
Oxeye Daisy	<i>Leucanthemum vulgare</i>	Asteraceae	SNA	Exotic	c	c	c
Pineapple Weed	<i>Matricaria discoidea</i>	Asteraceae	SNA	Exotic	r	rl	l
Whorled Wood Aster	<i>Oclemena acuminata</i>	Asteraceae	S5	Secure	f	c	f
Golden Groundsel	<i>Packera aurea</i>	Asteraceae	S4S5	Secure		f	-
Balsam Groundsel	<i>Packera paupercula</i>	Asteraceae	S4	Secure	l		r
Schweinitz's Groundsel	<i>Packera schweinitziana</i>	Asteraceae	S4	Secure	r	r	r
Tall Rattlesnakeroot	<i>Prenanthes altissima</i>	Asteraceae	S5	Secure	u	c	c
Three-leaved Rattlesnakeroot	<i>Prenanthes trifoliolata</i>	Asteraceae	S5	Secure	u	r	f
Rattlesnake Root	<i>Prenanthes x mainensis</i>	Asteraceae	SNA	No Assessed	r		
Black-Eyed Susan	<i>Rudbeckia hirta var. pulcherrima</i>	Asteraceae	SNA	Exotic	r	c	u
Woodland Ragwort	<i>Senecio sylvaticus</i>	Asteraceae	SNA	Exotic			-
Tall Goldenrod	<i>Solidago altissima</i>	Asteraceae	S2	Secure	7	2	30
White Goldenrod	<i>Solidago bicolor</i>	Asteraceae	S5	Secure	r		u
Canada Goldenrod	<i>Solidago canadensis</i>	Asteraceae	S5	Secure	l	c	c
Zigzag Goldenrod	<i>Solidago flexicaulis</i>	Asteraceae	S5	Secure	c	c	c
Giant Goldenrod	<i>Solidago gigantea</i>	Asteraceae	S5	Secure	c	c	c
Hairy Goldenrod	<i>Solidago hispida</i>	Asteraceae	S4	Secure	u	u	f
Early Goldenrod	<i>Solidago juncea</i>	Asteraceae	S5	Secure	f	c	f
Gray-stemmed Goldenrod	<i>Solidago nemoralis</i>	Asteraceae	S4S5	Secure			r
a goldenrod	<i>Solidago poss. simplex</i>	Asteraceae					1
Downy Goldenrod	<i>Solidago puberula</i>	Asteraceae	S5	Secure			u
Rough-stemmed Goldenrod	<i>Solidago rugosa</i>	Asteraceae	S5	Secure	u	f	c
Sticky Goldenrod	<i>Solidago simplex</i>	Asteraceae	S2	May Be At Risk	14		
Stout Goldenrod	<i>Solidago squarrosa</i>	Asteraceae	S4	Secure	r		r
Field Sow Thistle	<i>Sonchus arvensis</i>	Asteraceae	SNA	Exotic	r	r	f
Prickly Sow Thistle	<i>Sonchus asper</i>	Asteraceae	SNA	Exotic			r

Common Name	Scientific Name	Family	NB S-rank	NB GS-rank	Abundance at Survey Sites		
					Aroostook River	Big Presque Isle Stream	Meduxnekeag River
Common Sow Thistle	<i>Sonchus oleraceus</i>	Asteraceae	SNA	Exotic			r
Boreal Aster	<i>Symphotrichum boreale</i>	Asteraceae	S3	Sensitive			1
Heart-leaved Aster	<i>Symphotrichum cordifolium</i>	Asteraceae	S5	Secure	c	c	c
Lance-leaved Aster	<i>Symphotrichum lanceolatum</i>	Asteraceae	S5	Secure	f	c	c
Calico Aster	<i>Symphotrichum lateriflorum</i>	Asteraceae	S5	Secure	c	c	c
New York Aster	<i>Symphotrichum novi-belgii</i> var. <i>elodes</i>	Asteraceae	SNR	Undetermined			f
New York Aster	<i>Symphotrichum novi-belgii</i> var. <i>novi-belgii</i>	Asteraceae	S5	Secure	f	u	f
New York Aster	<i>Symphotrichum novi-belgii</i> var. <i>villicaule</i>	Asteraceae	SNR	Undetermined	r	f	
an aster	<i>Symphotrichum</i> poss. <i>anticostense</i>	Asteraceae			1		
Purple-stemmed Aster	<i>Symphotrichum puniceum</i>	Asteraceae	S5	Secure	c	c	c
Long-Leaved Aster	<i>Symphotrichum x tardiflorum</i>	Asteraceae	SNA	No Assessed			r
Common Tansy	<i>Tanacetum vulgare</i>	Asteraceae	SNA	Exotic			rl
Common Dandelion	<i>Taraxacum officinale</i>	Asteraceae	SNA	Exotic	c	c	c
Meadow Goatsbeard	<i>Tragopogon pratensis</i>	Asteraceae	SNA	Exotic	r	l	r
Seashore Chamomile	<i>Tripleurospermum maritima</i>	Asteraceae	SNA	Exotic	u	r	r
Coltsfoot	<i>Tussilago farfara</i>	Asteraceae	SNA	Exotic	f	c	c
Northern Water Plantain	<i>Alisma triviale</i>	Alismataceae	S5	Secure	r		r
an arrowhead	<i>Sagittaria cf. latifolia</i>	Alismataceae			r		
Northern Arrowhead	<i>Sagittaria cuneata</i>	Alismataceae	S5	Secure			l
Broad-leaved Arrowhead	<i>Sagittaria latifolia</i>	Alismataceae	S5	Secure	r	f	u
an arrowhead	<i>Sagittaria</i> sp.	Alismataceae			u		
Canada Waterweed	<i>Elodea canadensis</i>	Hydrocharitaceae	S4S5	Secure	r		c
Marsh Arrowgrass	<i>Triglochin palustris</i>	Juncaginaceae	S4	Secure			r
Alpine Pondweed	<i>Potamogeton alpinus</i>	Potamogetonaceae	S5	Secure			r
Variable-leaved Pondweed	<i>Potamogeton gramineus</i>	Potamogetonaceae	S5	Secure			f
Floating-leaved Pondweed	<i>Potamogeton natans</i>	Potamogetonaceae	S5	Secure			-
Long-leaved Pondweed	<i>Potamogeton nodosus</i>	Potamogetonaceae	S1	May Be At Risk			6
Clasping-leaved Pondweed	<i>Potamogeton perfoliatus</i>	Potamogetonaceae	S4S5	Secure			c
Small Pondweed	<i>Potamogeton pusillus</i>	Potamogetonaceae	S5	Secure			r
a pondweed	<i>Potamogeton</i> sp.	Potamogetonaceae					r
Flat-stemmed Pondweed	<i>Potamogeton zosteriformis</i>	Potamogetonaceae	S4	Secure			-
Sago Pondweed	<i>Stuckenia pectinata</i>	Potamogetonaceae	S3S4	Secure		9	
Jack-in-the-pulpit	<i>Arisaema triphyllum</i>	Araceae	S5	Secure	c	c	c

Common Name	Scientific Name	Family	NB S-rank	NB GS-rank	Abundance at Survey Sites		
					Aroostook River	Big Presque Isle Stream	Meduxnekeag River
Turion Duckweed	<i>Lemna turionifera</i>	Lemnaceae	S5	Secure	r		
Richardson's Rush	<i>Juncus alpinoarticulatus ssp. nodulosus</i>	Juncaceae	S4	Secure			f
Jointed Rush	<i>Juncus articulatus</i>	Juncaceae	S5	Secure	r		f
Narrow-Panicled Rush	<i>Juncus brevicaudatus</i>	Juncaceae	S5	Secure	u	r	c
Toad Rush	<i>Juncus bufonius</i>	Juncaceae	S5	Secure			r
Dudley's Rush	<i>Juncus dudleyi</i>	Juncaceae	S4	Secure	u	f	c
Soft Rush	<i>Juncus effusus</i>	Juncaceae	S5	Secure	r	r	u
Knotted Rush	<i>Juncus nodosus</i>	Juncaceae	S4S5	Secure			c
Slender Rush	<i>Juncus tenuis</i>	Juncaceae	S5	Secure	u	f	f
Hairy Woodrush	<i>Luzula acuminata</i>	Juncaceae	S5	Secure	r		c
Common Woodrush	<i>Luzula multiflora</i>	Juncaceae	S5	Secure	r	r	f
a sedge	<i>Carex (sect. Ouales)</i>	Cyperaceae				-	
Yellow-Fruited Sedge	<i>Carex annectens</i>	Cyperaceae	S1	May Be At Risk			1
Black Sedge	<i>Carex arctata</i>	Cyperaceae	S5	Secure	c	c	c
Golden Sedge	<i>Carex aurea</i>	Cyperaceae	S4	Secure		r	u
Bebb's Sedge	<i>Carex bebbii</i>	Cyperaceae	S4?	Secure	r		r
Eastern Woodland Sedge	<i>Carex blanda</i>	Cyperaceae	S1	May Be At Risk			1
Bromelike Sedge	<i>Carex bromoides</i>	Cyperaceae	S4	Secure	r		r
Buxbaum's Sedge	<i>Carex buxbaumii</i>	Cyperaceae	S4	Secure			f
Hairlike Sedge	<i>Carex capillaris</i>	Cyperaceae	S3	Secure	2	1	2
Chestnut Sedge	<i>Carex castanea</i>	Cyperaceae	S4	Secure		r	
Thin-leaved Sedge	<i>Carex cephaloidea</i>	Cyperaceae	S1	May Be At Risk			8
a sedge	<i>Carex cf. tribuloides</i>	Cyperaceae			r		
Fibrous-Root Sedge	<i>Carex communis</i>	Cyperaceae	S5	Secure	u	c	l
Crawford's Sedge	<i>Carex crawfordii</i>	Cyperaceae	S5	Secure			u
Fringed Sedge	<i>Carex crinita</i>	Cyperaceae	S5	Secure			u
Hidden-scaled Sedge	<i>Carex cryptolepis</i>	Cyperaceae	S4	Secure			ru
White-edged Sedge	<i>Carex debilis var. rudgei</i>	Cyperaceae	S5	Secure	r		r
Northern Sedge	<i>Carex deflexa</i>	Cyperaceae	S5	Secure	u		r
Dewey's Sedge	<i>Carex deweyana</i>	Cyperaceae	S5	Secure	f	c	c
Two-seeded Sedge	<i>Carex disperma</i>	Cyperaceae	S5	Secure	r		u
Bristle-leaved Sedge	<i>Carex eburnea</i>	Cyperaceae	S3	Secure	1		
Yellow Sedge	<i>Carex flava</i>	Cyperaceae	S5	Secure	u	f	c
a sedge	<i>Carex flava / cryptolepis</i>	Cyperaceae					r
Graceful Sedge	<i>Carex gracillima</i>	Cyperaceae	S5	Secure	c	c	c

Common Name	Scientific Name	Family	NB S-rank	NB GS-rank	Abundance at Survey Sites		
					Aroostook River	Big Presque Isle Stream	Meduxnekeag River
Nodding Sedge	<i>Carex gynandra</i>	Cyperaceae	S5	Secure	r	u	c
Hayden's Sedge	<i>Carex haydenii</i>	Cyperaceae	S3	Secure	1		3
Pubescent Sedge	<i>Carex hirtifolia</i>	Cyperaceae	S2	Sensitive			17
Porcupine Sedge	<i>Carex hystericina</i>	Cyperaceae	S4	Secure	r	r	c
Inland Sedge	<i>Carex interior</i>	Cyperaceae	S5	Secure		r	r
Bladder Sedge	<i>Carex intumescens</i>	Cyperaceae	S5	Secure	r	f	c
Lake Sedge	<i>Carex lacustris</i>	Cyperaceae	S4S5	Secure			r
Slender Sedge	<i>Carex lasiocarpa var. americana</i>	Cyperaceae	S5	Secure			rl
Lenticular Sedge	<i>Carex lenticularis</i>	Cyperaceae	S5	Secure		r	r
Bristly-stalked Sedge	<i>Carex leptalea</i>	Cyperaceae	S5	Secure			l
Finely-Nerved Sedge	<i>Carex leptonevia</i>	Cyperaceae	S5	Secure		c	f
Sallow Sedge	<i>Carex lurida</i>	Cyperaceae	S5	Secure		r	u
New England Sedge	<i>Carex novae-angliae</i>	Cyperaceae	S5	Secure			r
Necklace Spike Sedge	<i>Carex ormostachya</i>	Cyperaceae	S3	Secure			2
Pale Sedge	<i>Carex pallescens</i>	Cyperaceae	S5	Secure		c	c
Grasslike Sedge	<i>Carex panicea</i>	Cyperaceae	SNA	Exotic		r	
White-Tinged Sedge	<i>Carex peckii</i>	Cyperaceae	S4?	Secure	u		f
Long-stalked Sedge	<i>Carex pedunculata</i>	Cyperaceae	S5	Secure	c	c	c
Woolly Sedge	<i>Carex pellita</i>	Cyperaceae	S4	Secure			c
Plantain-Leaved Sedge	<i>Carex plantaginea</i>	Cyperaceae	S2S3	Sensitive		5	29
Necklace Sedge	<i>Carex projecta</i>	Cyperaceae	S5	Secure	u	u	f
Cyperuslike Sedge	<i>Carex pseudocyperus</i>	Cyperaceae	S5	Secure	r		
Eastern Star Sedge	<i>Carex radiata</i>	Cyperaceae	S4	Secure	r	f	c
a sedge	<i>Carex radiata / appalachica</i>	Cyperaceae				1	1
Retrorse Sedge	<i>Carex retrorsa</i>	Cyperaceae	S4	Secure	f	f	c
Rosy Sedge	<i>Carex rosea</i>	Cyperaceae	S3	Secure			98
a sedge	<i>Carex rosea / appalachica</i>	Cyperaceae					1
Rough Sedge	<i>Carex scabrata</i>	Cyperaceae	S5	Secure	r	r	f
Broom Sedge	<i>Carex scoparia</i>	Cyperaceae	S5	Secure	u	c	r
Longbeak Sedge	<i>Carex sprengei</i>	Cyperaceae	S2	Sensitive			7
Sterile Sedge	<i>Carex sterilis</i>	Cyperaceae	S1	May Be At Risk			10
Awl-fruited Sedge	<i>Carex stipata</i>	Cyperaceae	S5	Secure	f	r	f
Tussock Sedge	<i>Carex stricta</i>	Cyperaceae	S5	Secure			u
Tender Sedge	<i>Carex tenera</i>	Cyperaceae	S3	Secure	1		1
Tinged Sedge	<i>Carex tinctoria</i>	Cyperaceae	S4?	Secure	r	f	f
Twisted Sedge	<i>Carex torta</i>	Cyperaceae	S5	Secure			r



Common Name	Scientific Name	Family	NB S-rank	NB GS-rank	Abundance at Survey Sites		
					Aroostook River	Big Presque Isle Stream	Meduxnekeag River
Blunt Broom Sedge	<i>Carex tribuloides</i>	Cyperaceae	S4S5	Secure			r
Umbellate Sedge	<i>Carex umbellata</i>	Cyperaceae	S4S5	Secure			-
Northern Beaked Sedge	<i>Carex utriculata</i>	Cyperaceae	S5	Secure			r
Inflated Sedge	<i>Carex vesicaria</i>	Cyperaceae	S5	Secure	r	r	r
Greenish Sedge	<i>Carex viridula</i>	Cyperaceae	S4	Secure			f
Fox Sedge	<i>Carex vulpinoidea</i>	Cyperaceae	S4S5	Secure		r	u
a Hybrid Sedge	<i>Carex x knieskernii</i>	Cyperaceae	SNA	No Assessed		r	
Needle Spikerush	<i>Eleocharis acicularis</i>	Cyperaceae	S5	Secure	r		r
Elliptic Spikerush	<i>Eleocharis elliptica</i>	Cyperaceae	S4S5	Secure			f
Red-stemmed Spikerush	<i>Eleocharis erythropoda</i>	Cyperaceae	S4S5	Secure			u
Matted Spikerush	<i>Eleocharis intermedia</i>	Cyperaceae	S3	Secure	2		
Blunt Spikerush	<i>Eleocharis obtusa</i>	Cyperaceae	S5	Secure			r
Ovate Spikerush	<i>Eleocharis ovata</i>	Cyperaceae	S5	Secure			-
Common Spikerush	<i>Eleocharis palustris</i>	Cyperaceae	S5	Secure	r		u
Few-flowered Spikerush	<i>Eleocharis quinqueflora</i>	Cyperaceae	S3	Secure			15
a spikerush	<i>Eleocharis sp.</i>	Cyperaceae			r	r	
Hardstem Bulrush	<i>Schoenoplectus acutus</i>	Cyperaceae	S4S5	Secure			r
Softstem Bulrush	<i>Schoenoplectus tabernaemontani</i>	Cyperaceae	S5	Secure	r		r
Black-girdled Bulrush	<i>Scirpus atrocinctus</i>	Cyperaceae	S5	Secure	r	ru	u
a bulrush	<i>Scirpus atrovirens / georgianus</i>	Cyperaceae					3
Common Woolly Bulrush	<i>Scirpus cyperinus</i>	Cyperaceae	S5	Secure	r	r	c
a bulrush	<i>Scirpus cyperinus / pedicellatus</i>	Cyperaceae					-
Mosquito Bulrush	<i>Scirpus hattorianus</i>	Cyperaceae	S4	Secure	r	c	c
a bulrush	<i>Scirpus hattorianus / atrovirens</i>	Cyperaceae					1
Small-fruited Bulrush	<i>Scirpus microcarpus</i>	Cyperaceae	S5	Secure		f	f
Stalked Bulrush	<i>Scirpus pedicellatus</i>	Cyperaceae	S4	Secure	r		r
Colonial Bent Grass	<i>Agrostis capillaris</i>	Poaceae	SNA	Exotic	u		u
Redtop	<i>Agrostis gigantea</i>	Poaceae	SNA	Exotic	f	r	u
Rough Bent Grass	<i>Agrostis scabra</i>	Poaceae	S5	Secure			r
Creeping Bent Grass	<i>Agrostis stolonifera</i>	Poaceae	S5	Secure	c	l	c
Short-awned Foxtail	<i>Alopecurus aequalis</i>	Poaceae	S4S5	Secure	f		
Meadow Foxtail	<i>Alopecurus pratensis</i>	Poaceae	SNA	Exotic	f		
Large Sweet Vernal Grass	<i>Anthoxanthum odoratum</i>	Poaceae	SNA	Exotic		r	r
Northern Shorthusk	<i>Brachyelytrum septentrionale</i>	Poaceae	S5	Secure	f	f	c
Fringed Brome	<i>Bromus ciliatus</i>	Poaceae	S5	Secure	f	r	f
a brome	<i>Bromus ciliatus / pubescens</i>	Poaceae					4

Common Name	Scientific Name	Family	NB S-rank	NB GS-rank	Abundance at Survey Sites		
					Aroostook River	Big Presque Isle Stream	Meduxnekeag River
Smooth Brome	<i>Bromus inermis</i>	Poaceae	SNA	Exotic	f	r	l
Bluejoint Reed Grass	<i>Calamagrostis canadensis</i>	Poaceae	S5	Secure	c	c	c
Drooping Wood Reed Grass	<i>Cinna latifolia</i>	Poaceae	S5	Secure	r	u	u
Orchard Grass	<i>Dactylis glomerata</i>	Poaceae	SNA	Exotic		l	r
Poverty Oat Grass	<i>Danthonia spicata</i>	Poaceae	S5	Secure	u	l	c
Tufted Hair Grass	<i>Deschampsia caespitosa</i>	Poaceae	S5	Secure	c	l	c
Wavy Hair Grass	<i>Deschampsia flexuosa</i>	Poaceae	S5	Secure	r		
Woolly Panic Grass	<i>Dichanthelium acuminatum</i>	Poaceae	S5	Secure		u	r
Northern Panic Grass	<i>Dichanthelium boreale</i>	Poaceae	S5	Secure	f	u	f
Smooth Crab Grass	<i>Digitaria ischaemum</i>	Poaceae	SNA	Exotic		r	r
Spreading Wild Rye	<i>Elymus hystrix var. bigeloviana</i>	Poaceae	S1	May Be At Risk		1	
Quack Grass	<i>Elymus repens</i>	Poaceae	SNA	Exotic	l	f	c
Slender Wild Rye	<i>Elymus trachycaulus</i>	Poaceae	S4S5	Secure	f	r	u
Slender Wild Rye	<i>Elymus trachycaulus ssp. trachycaulus</i>	Poaceae	S4?	Secure			u
Hair Fescue	<i>Festuca filiformis</i>	Poaceae	SNA	Exotic		l	
Red Fescue	<i>Festuca rubra</i>	Poaceae	S5	Secure	r	r	r
Nodding Fescue	<i>Festuca subverticillata</i>	Poaceae	S1	May Be At Risk		2	6
Northern Manna Grass	<i>Glyceria borealis</i>	Poaceae	S5	Secure			u
Common Tall Manna Grass	<i>Glyceria grandis</i>	Poaceae	S5	Secure	f		r
Northern Mannagrass	<i>Glyceria laxa</i>	Poaceae	S4?	Secure			u
Slender Manna Grass	<i>Glyceria melicaria</i>	Poaceae	S5	Secure			f
Fowl Manna Grass	<i>Glyceria striata</i>	Poaceae	S5	Secure	c	c	c
Vanilla Sweet Grass	<i>Hierochloe odorata</i>	Poaceae	S5	Secure	r		
Rice Cut Grass	<i>Leersia oryzoides</i>	Poaceae	S5	Secure	u		u
Tall Fescue	<i>Lolium arundinaceum</i>	Poaceae	SNA	Exotic	r	r	r
Meadow Fescue	<i>Lolium pratense</i>	Poaceae	SNA	Exotic	r	r	r
Tall Millet Grass	<i>Milium effusum var. cisatlanticum</i>	Poaceae	S4	Secure		u	u
a muhly	<i>Muhlenbergia frondosa / mexicana</i>	Poaceae				1	1
Mexican Muhly	<i>Muhlenbergia mexicana</i>	Poaceae	S5	Secure	u	u	f
Mat Muhly	<i>Muhlenbergia richardsonis</i>	Poaceae	S3	Secure			1
White-grained Mountain Rice	<i>Oryzopsis asperifolia</i>	Poaceae	S5	Secure	r	r	ru
Common Witch Grass	<i>Panicum capillare</i>	Poaceae	S5	Secure			-
Reed Canary Grass	<i>Phalaris arundinacea</i>	Poaceae	S5	Secure	c	c	c
Common Timothy	<i>Phleum pratense</i>	Poaceae	SNA	Exotic	c	f	c

Common Name	Scientific Name	Family	NB S-rank	NB GS-rank	Abundance at Survey Sites		
					Aroostook River	Big Presque Isle Stream	Meduxnekeag River
Grove Blue Grass	<i>Poa alsodes</i>	Poaceae	S4	Secure		u	-
Annual Blue Grass	<i>Poa annua</i>	Poaceae	SNA	Exotic	r	l	l
Canada Blue Grass	<i>Poa compressa</i>	Poaceae	SNA	Exotic	c	f	c
Glaucous Blue Grass	<i>Poa glauca</i>	Poaceae	S3	Secure	2		
Wood Blue Grass	<i>Poa nemoralis</i>	Poaceae	SNA	Exotic			r
Fowl Blue Grass	<i>Poa palustris</i>	Poaceae	S5	Secure	c	c	c
Kentucky Blue Grass	<i>Poa pratensis</i>	Poaceae	S5	Secure	f	c	c
Weak Blue Grass	<i>Poa saltuensis</i>	Poaceae	S4S5	Secure	r	l	r
Rough Blue Grass	<i>Poa trivialis</i>	Poaceae	SNA	Exotic	c		c
Spreading Alkali Grass	<i>Puccinellia distans</i>	Poaceae	SNA	Exotic		r	-
Purple Oat Grass	<i>Schizachne purpurascens</i>	Poaceae	S4S5	Secure	r	f	u
Little Bluestem	<i>Schizachyrium scoparium</i>	Poaceae	S2	Sensitive	1		
a foxtail	<i>Setaria sp.</i>	Poaceae					l
Green Foxtail	<i>Setaria viridis</i>	Poaceae	SNA	Exotic		r	
Prairie Cord Grass	<i>Spartina pectinata</i>	Poaceae	S5	Secure			f
Slender Wedge Grass	<i>Sphenopholis intermedia</i>	Poaceae	S4	Secure	f	c	c
Sheathed Dropseed	<i>Sporobolus vaginiflorus</i>	Poaceae	SNA	Secure	r		r
Pale False Manna Grass	<i>Torreyochloa pallida var. fernaldii</i>	Poaceae	S5	Secure	r		
Purple False Oats	<i>Trisetum melicoides</i>	Poaceae	S4	Secure	r	r	r
Narrow False Oats	<i>Trisetum spicatum</i>	Poaceae	S4	Secure	l	u	f
American Burreed	<i>Sparganium americanum</i>	Sparganiaceae	S5	Secure			-
Green-fruited Burreed	<i>Sparganium emersum</i>	Sparganiaceae	S5	Secure	f	r	r
a burreed	<i>Sparganium sp.</i>	Sparganiaceae					u
Broad-leaved Cattail	<i>Typha latifolia</i>	Typhaceae	S5	Secure	r		-
Wild Chives	<i>Allium schoenoprasum var. sibiricum</i>	Liliaceae	S4	Secure	c	u	c
Garden Asparagus	<i>Asparagus officinalis</i>	Liliaceae	SNA	Exotic			r
Yellow Bluebead Lily	<i>Clintonia borealis</i>	Liliaceae	S5	Secure	l	c	c
Orange Day Lily	<i>Hemerocallis fulva</i>	Liliaceae	SNA	Exotic	r	r	r
a day-lily	<i>Hemerocallis sp.</i>	Liliaceae					-
Canada Lily	<i>Lilium canadense</i>	Liliaceae	S4	Secure	u		r
Wild Lily-of-The-Valley	<i>Maianthemum canadense</i>	Liliaceae	S5	Secure	c	c	c
Large False Solomon's Seal	<i>Maianthemum racemosum</i>	Liliaceae	S5	Secure	l	c	c
Starry False Solomon's Seal	<i>Maianthemum stellatum</i>	Liliaceae	S4S5	Secure	u	r	c
Indian Cucumber Root	<i>Medeola virginiana</i>	Liliaceae	S5	Secure	r	c	f
Hairy Soloman's Seal	<i>Polygonatum pubescens</i>	Liliaceae	S5	Secure	r	u	f

Common Name	Scientific Name	Family	NB S-rank	NB GS-rank	Abundance at Survey Sites		
					Aroostook River	Big Presque Isle Stream	Meduxnekeag River
Rose Twisted-stalk	<i>Streptopus lanceolatus</i>	Liliaceae	S5	Secure		f	c
Sticky False-Asphodel	<i>Triantha glutinosa</i>	Liliaceae	S3	Secure	3	1	15
Nodding Trillium	<i>Trillium cernuum</i>	Liliaceae	S5	Secure	f	c	c
Red Trillium	<i>Trillium erectum</i>	Liliaceae	S5	Secure	u	c	c
Painted Trillium	<i>Trillium undulatum</i>	Liliaceae	S5	Secure	u	c	f
Sessile-leaved Bellwort	<i>Uvularia sessilifolia</i>	Liliaceae	S5	Secure	f	f	c
Green False Hellebore	<i>Veratrum viride</i>	Liliaceae	S4	Secure	u		l
Herbaceous Carrion Flower	<i>Smilax herbacea</i>	Smilacaceae	S4	Secure	u		u
Yellow Iris	<i>Iris pseudacorus</i>	Iridaceae	SNA	Exotic	r	-	
Harlequin Blue Flag	<i>Iris versicolor</i>	Iridaceae	S5	Secure	c	u	f
Mountain Blue-eyed-grass	<i>Sisyrinchium montanum</i>	Iridaceae	S5	Secure	u	r	u
Mucronate Blue-eyed-grass	<i>Sisyrinchium mucronatum</i>	Iridaceae	S1?	Undetermined			1
Pink Lady's-Slipper	<i>Cypripedium acaule</i>	Orchidaceae	S5	Secure			r
Yellow Lady's-slipper	<i>Cypripedium parviflorum</i>	Orchidaceae	S4	Secure		r	r
Yellow Lady's-slipper	<i>Cypripedium parviflorum var. pubescens</i>	Orchidaceae	S4	Secure			-
Helleborine	<i>Epipactis helleborine</i>	Orchidaceae	SNA	Exotic	c	c	c
Tall Northern Green Orchid	<i>Platanthera aquilonis</i>	Orchidaceae	S4	Secure	u	c	u
Small Purple Fringed Orchid	<i>Platanthera psycodes</i>	Orchidaceae	S4	Secure			r
Shining Ladies'-Tresses	<i>Spiranthes lucida</i>	Orchidaceae	S2	Sensitive			4