



# Species at Risk Research Fund for Ontario (SARRFO) 2018/19 Guidelines

## CONTACT INFORMATION

For questions regarding the Species at Risk Research Fund for Ontario (SARRFO), please contact: Kim Jaxa-Debicki at [SAR.stewardship@ontario.ca](mailto:SAR.stewardship@ontario.ca) or 705-755-5506.

## DEADLINE

Applications must be submitted via email to [SAR.stewardship@ontario.ca](mailto:SAR.stewardship@ontario.ca) by **noon/11:59am (EST) on Thursday, March 29, 2018.**

There is no template application form for SARRFO. Please follow the instructions in these guidelines.

You will receive a confirmation email within two business days of receiving your application. If you do not receive this email please contact us at 705-755-5506.

Applications received after the deadline or without mandatory information will not be considered.

All applicants must refer to the Legal Authorizations section of the Guidelines before submitting an application.

## SARRFO OVERVIEW

The Species at Risk Research Fund for Ontario (SARRFO) is small a targeted component of the Species at Risk Stewardship Fund (SARSF) Program.

The purpose of the SARRFO is to support high calibre scientific research that addresses important needs and knowledge gaps related to the protection, recovery, and management of species at risk and their habitats in Ontario.

## BACKGROUND FOR APPLICANTS

In Ontario, species are assessed by a team of independent experts known as the Committee on the Status of Species at Risk in Ontario (COSSARO) and when applicable/required are placed on the Species at Risk in Ontario List.

The Species at Risk in Ontario List is a regulation made under Ontario's Endangered Species Act (ESA) (*O. Reg. 230/08*). The regulation (including species lists and status) is available on the Province of Ontario's E-laws website.

To be eligible for the SARRFO, project proposals must target/benefit species listed as extirpated, endangered, threatened, or special concern on the Species at Risk in Ontario List.

When a species is listed as endangered, threatened or special concern on the Species at Risk in Ontario List, the Ministry seeks science advice on the steps that should be taken towards the species' recovery. The advice is presented in **Recovery Strategies** for endangered and threatened species and **Management Plans** for special concern species.

The Ministry responds to Recovery Strategies and Management Plans by developing **Government Response Statements (GRS)**. These statements summarize the government's actions and priorities in protecting and recovering a SAR.

Within 5 years of releasing a GRS, the Ministry will publish a **5-Year Review** summarizing the progress made towards the protection and recovery of a SAR.

SARRFO project proposals must make links to **relevant recovery documents**. It is important that applicants review and reference the most current documents. For example, if a species has a GRS, SARRFO proposals need to address the needs identified in the GRS rather than the recovery strategy or management plan. Also, if a 5-year review exists for the target species, applicants will find additional information and advice on what actions have already been accomplished or what needs/knowledge gaps could use more attention.

## SPECIES RECOVERY DOCUMENTS

To access the following provincial recovery documents, please refer to the [Species at Risk in Ontario List](#) website and click on the appropriate species at risk:

- COSSARO Assessment Report
- Recovery Strategy
- Management Plan
- Government Response Statement

To access federal recovery documents, please refer to the following websites:

- [Federal draft or final Recovery Strategies](#)
- [Federal draft or final Management Plans](#)
- [National Committee on the Status of Endangered Wildlife in Canada \(COSEWIC\) Status Reports](#)

## APPLICANTS

### ELIGIBLE APPLICANTS

The SARRFO is open to individuals and organizations undertaking high-caliber scientific research activities that will address key threats or knowledge gaps and inform the protection and recovery of species at risk in Ontario.

All SARRFO applications must clearly identify a **Principal Investigator (PI)** for the proposed project. The Principal Investigator (PI) must be a recognized expert in the area of proposed research who is charged to conduct objective research that generates independent, high quality, and reproducible results. The PI is responsible for the design, delivery, and reporting of the research project and for monitoring, and ensuring the integrity of any collaborative relationships. Additionally, the PI is responsible for project management including oversight of compliance, financial, personnel, and other related administrative aspects of the research project. In the case of graduate students (Master's or PhD), the supervisor should be designated as the PI rather than the student.

Successful recipients must be individuals or incorporated legal entities and will be required to provide proof of incorporation and proof of appropriate insurance upon signing a funding agreement.

### NON-ELIGIBLE APPLICANTS

- Provincial government ministries
- Federal government departments
- Un-incorporated groups or clubs

## ELIGIBLE ACTIVITIES

Proposed activities must target/benefit species listed as Extirpated, Endangered, Threatened or Special Concern on the Species at Risk in Ontario List.

Activities should focus on innovative scientific research that addresses topics contained in the priority categories below which will answer questions that are relevant to the protection and recovery of species at risk.

Only proposed activities occurring between April 1, 2018 and February 28, 2019 (for the 2018-2019 fiscal year) and April 1, 2019 and February 29, 2020 (for the 2019-2020 fiscal year) are eligible for funding consideration.

Research proposals will be considered that focus on:

- scientific research actions
- acquiring and analyzing a new dataset or meta-analysis of existing datasets
- undertaking new research projects or adding a new component to an on-going project

- Inventory and monitoring actions associated with a defined scientific question and methodology may also be considered. Long-term monitoring projects without a defined scientific question are not eligible for SARRFO funding.

If you are applying for work that builds on a **previously funded SARRFO/SARF** work, please explicitly state what has been accomplished so far, what deliverables you achieved, and how this work is different from or builds on past work. Do not assume reviewers know of your previous work or have access to your project files.

## PRIORITIES

Applications that address any of the priorities listed below will be considered before the remainder of the applications.

### 2018/19 SARRFO PRIORITIES

#### 1. Species/Taxa Specific Priorities

**1a) Research that contributes to meeting recovery actions as outlined in a final or draft Government Response Statement (GRS), with preference given to research that supports identified high priority GRS actions.** See Appendix A for list of all species with GRS.

**1b) Research that addresses the needs/knowledge gaps for the below species/taxa without a Government Response Statement (GRS).**

- **Algonquin Wolf:** Addressing knowledge gaps including:
  - Advances toward whole genome sequencing for Algonquin wolves
  - Developing cost-effective, accurate tools for the genetic identification of Algonquin wolves and other canid species in Ontario.
  - Increasing our understanding of Algonquin Wolf distribution outside currently known occupied areas
  - Assessing the viability of Algonquin wolves outside of parks and protected areas and quantify major sources of mortality
  - Identifying and characterizing the quality of Algonquin Wolf habitat, including identifying areas more suitable to Algonquin Wolves than Eastern Coyotes
- **Monarch:** Research on migratory staging areas including habitat characteristics and use, and identification of potential locations within Ontario. As well as investigating and mapping key features of migratory staging areas to inform habitat conservation or enhancement efforts.

- **SAR Bats:** Investigating threats for SAR bats, including direct threat mitigation (e.g. white-nose syndrome, harmful exclusion methods, or accidental impacts from wind energy), and quantifying and improving summer habitat quality and survival rates. Identifying previously unknown hibernacula and roosts, particularly in forested areas, including maternity roost use and tree selection; and science to support stewardship of bat colonies, including those in buildings. This priority applies to bats with and without a GRS.

## 2. Threat / Action Specific Priorities

### 2a) Research activities that address the needs or knowledge gaps for species at risk described below:

- Researching the species-specific effects of **climate change** on SAR, and for species deemed most vulnerable to climate change investigating potential management strategies to inform conservation efforts.
- Investigating the effect of **invasive species** on species at risk, and researching appropriate and effective prevention, management, control or removal mechanisms where there are knowledge gaps.
- Projects that investigate the intersect between species at risk and **forestry activities**, including impacts, mitigation techniques, best management practices, appropriate setbacks, and rehabilitation. Species of particular interest include: American Ginseng, Blanding's Turtle, Caribou (Boreal population), Cerulean Warbler, Eastern Whip-poor-will, and SAR Bats.
- Projects that **investigate innovative techniques and test the effectiveness of habitat creation, enhancement or rehabilitation activities** for species at risk. Examples of particular interest include:
  - Habitat creation for SAR reptiles and amphibians
  - Foraging habitat and/or nesting structures for Bank Swallows, Barn Swallows, Chimney Swifts
  - Approaches to mitigate impacts of urban land development on SAR fish and mussels
- Research that investigates methods to immediately reduce/remove the benefits that **road or other linear features** provides predators (e.g. facilitated travel, increased prey encounters) within **Caribou** (Boreal population) habitat.
- Research that **investigates feasibility and methods for augmentation/reintroduction** of aquatic SAR (where investigating feasibility has been identified in a GRS). Including development of captive breeding and rearing methods for those species with poorly-understood reproductive biology and propagation technologies as appropriate.
- Screening archived Butternut grafts for canker tolerance, and **investigating the effectiveness of Butternut archiving** at generating a viable, canker resistant seed source. Researching the success rate of archived grafts at reaching maturity after they

have been out-planted in an orchard setting, and the ability of canker resistance to be passed on to new generations of butternut (i.e. do the grafted scions successfully grow to produce mature, healthy, canker resistant trees with viable canker resistant/tolerant seeds).

- Studies related to threats, population trends and management of **SAR pollinators**, and studies on **pollination of SAR plants** where knowledge gaps exist.

## FUNDING REQUESTS

We are accepting funding requests for research projects extending over one or two years, to a maximum of **\$30,000** per year per project.

Research activities must occur between April 1, 2018 and February 28, 2019 (for the 2018-2019 fiscal year) and April 1, 2019 and February 29, 2020 (for the 2019-2020 fiscal year) to be eligible.

Multi-year requests will be evaluated on an individual basis and will be considered based on demonstrated need and available funds. Funding for the subsequent years will be dependent on availability of funds and/or whether the necessary appropriation is provided from the Ontario Legislature.

## COSTS

SARRFO funding requests are limited to a maximum of **\$30,000** per year per project.

Recipients may be reimbursed for expenses related to the project that are incurred from April 1, 2018 to February 28, 2019 (for the 2018-19 fiscal year) and April 1, 2019 to February 29, 2020 (for the 2019-20 fiscal year)

## ELIGIBLE COSTS

Requested funds must be appropriate and reasonable for activities proposed. Following the formal review and approval of applications, recipients may be asked to provide documentation of a competitive quoting process for costs over \$5,000. Funding through the SARRFO may be applied toward the following types of project costs:

- a) **Human Resources Costs:** include wages and mandatory benefits (as required by law) for human resources that will be directly involved in the implementation of the project, including professional and technical personnel, project assistants and consultants.
- b) **Student stipend or funding for post-doctoral students:** each to a maximum of \$10,000 per student per project for graduate student stipend per year and \$25,000 per post-doc per project for post-doc support per year.

- c) **Equipment Costs:** includes the lease and/or rental of equipment required for the completion of the project. In some cases, equipment purchase may be considered with proper justification.
- d) **Field, Laboratory and Supply Costs:** includes costs for scientific analysis, analytical support tools (including computer programs), and materials (e.g., field supplies) other than equipment.
- e) **Vehicle Rental, Travel and Fieldwork Expenses:** includes vehicle leases, operational costs (e.g., fuel, insurance), mileage, accommodations and meals. Mileage cannot exceed \$0.41/km. Meal allowances are limited by meal per day and with receipts; Breakfast: \$10.00, Lunch: \$12.50, Dinner: \$22.50.
- f) **Documentation of results:** including preparation/design/printing of reports associated with the project, photographs and /or video footage of research in progress.
- g) **Communications costs:** press releases or public notices in newspapers and magazines, and distribution costs.

Note: The amount of MNRF's contribution includes the reimbursement for HST. MNRF will not reimburse for HST beyond the approved contribution level.

## NON-ELIGIBLE COSTS

The following are expenses that do not qualify for funding through the SARRFO:

- a) Salary and benefits of the Principal Investigator or staff already employed by the sponsoring organization;
- b) Administrative overhead (e.g., office space, office supplies, phone, computer, fax and photocopy and auditing costs, as well as any project management/oversight expenses);
- c) Large capital expenses, such as buildings and vehicles;
- d) Costs of purchasing or leasing property, including municipal service fees and property taxes;
- e) Rental fees for research facilities or office space (where relevant the sponsoring organization is expected to provide, without charge to the SARRFO, research and office space and facilities, and accounting and administrative services. These items can be counted however, toward matching funds);
- f) Costs incurred or paid prior to or after the SARRFO funding periods identified.

## MANDATORY APPLICATION REQUIREMENTS

Applications shall not exceed 10 pages in length (excluding CV's).

Applications must include:

1. A detailed research outline.

2. A clear and detailed workplan table (for each year of funding requested) identifying planned activities, expected outcomes/milestones and specific timelines in the following table format:

<b>2018-19</b>			
<b>Activity Description</b>	<b>Outcomes/Milestones</b>	<b>Start Date</b>	<b>End Date</b>
Genetic analysis of X...	Summary of results, raw data...	June 1, 2018	Sept 25, 2019

3. Identification of the Principal Investigator (see description under Eligible Applicants) and research team, including CV's for all. Signed letters of commitment for any collaborators contributing matching funds, either in-kind or cash support to the proposed project.
4. A clear statement of how the proposed project will meet one or more of the priorities listed above and, where appropriate, clear links to actions/activities as outlined in a GRS and recovery strategy.
5. SARRFO funding can be requested for the 2018-19 and 2019-20 fiscal years. However, SARRFO funding may cover a component of a larger research initiative. If the request is part of a longer term research proposal you must indicate how the current funding request fits into this larger project plan including workplans and budgets for previous or subsequent years.
6. A clear and detailed budget (for each year of funding requested) indicating both the full project budget and what SARRFO will cover in the following table format. 1:1 matching funds are required. Please note that Ontario Species at Risk Stewardship Funding (SARSF) will not count towards your matching funds contributions.

<b>2018-19</b>				
<b>Project Expense</b>	<b>Amount requested from SARRFO</b>	<b>Matching Funds: In-kind</b>	<b>Matching Funds: Cash</b>	<b>Total Cost</b>
<u>Human Resources</u>				
-Grad Student Stipend	\$5,000	-	\$5,000	\$10,000
-Field Assistant (\$600 week x16 weeks)	\$5,000	-	\$4,600	\$9,600
<u>Equipment</u>				
-GPS (2 @ \$300)	-	\$600	-	\$600
-headlamps (3 @ \$60)	\$180	-	-	\$180
-digital calipers (3@ \$88)	\$264	-	-	\$264
<b>Total:</b>	<b>\$10,444</b>	<b>\$600</b>	<b>\$9,600</b>	<b>\$20,644</b>



## **ASSESSMENT CRITERIA**

Applications will be assessed according to the following criteria.

### **Link to Annual Funding Priorities**

- How strongly does the proposed research address an annual priority?

### **Relevance and Urgency**

- Proposed research is relevant, fills a demonstrated need, and/or addresses an impending on the ground threat or knowledge gap.
- Study addresses (at an appropriate spatial and temporal scale) an important informational need that is directly tied to the protection and recovery of the species?

### **Links to Recovery Documents, and Support from Key Experts and Stakeholders**

- The relevant portions of the appropriate Government Response Statement (GRS), recovery strategy, or management plan are referenced in the proposal?
- The study appropriately addresses identified recovery needs.
- Applicant has engaged, consulted with, and/or involved the relevant species, taxa, recovery experts and/or stakeholders?

### **Experience and Expertise of Research Team**

- Proven experience, expertise and capacity of principle investigator and research team.
- Level of expertise with the taxa being studied, the proposed methodology and/or other unique specifications.
- Proven record of delivering quality conservation related science/endeavours.
- Publication history.

### **Methodology, Feasibility and Likelihood for Success**

- Is the proposed work plan detailed and appropriate for the scope of the project?
- Are the objectives, design and methodology practical, appropriate and scientifically sound?
- Have concrete measurable goals and deliverables been identified?
- What is the technical feasibility of the proposed study (e.g. availability of appropriate data sources or analytic tools)?

### **Budget and Support**

- Proposed budget is detailed and appropriate for the scope of the project?
- Applicant explains why the requested funding is necessary, and demonstrates value for the funding requested.
- Appropriate levels of resources are provided by sponsors/partners? Appropriate level of matching funds is provided (both cash and in-kind. 1:1 match is mandatory).

### **Availability**

- Applicant has indicated how the results will be shared and used to further the conservation/management of the species.
- The study leads to results that are intended to be available and broadly disseminated in the public domain (i.e. peer reviewed journal, etc.)

### **Overall Application Quality**

- Application is well written, clear and concise.
- Applicant has followed all requirements set out in the guidelines and included all information required in the format requested.

### **Multi-year projects**

- Is there a demonstrated need for multi-year funds? Does the subsequent year build on the previous year?

Note: During the evaluation of applications, additional weighting will be given to applied research proposals that address an impending on-the-ground threat or knowledge gap.

## **ADDITIONAL CONSIDERATIONS**

- Projects or studies that are required by law are not eligible for support through the SARRFO. This includes activities that are being undertaken to fulfill legal requirements/conditions identified in an ESA permit, authorization, or regulation.
- While provincial and federal governments are able to support projects through in-kind and financial contributions, they are not able to receive any direct funding from an approved SARRFO project.
- Projects focusing on multi-species, ecosystems or single-species may all be considered for funding.
- Where applicable, successful applicants are encouraged to submit species, habitat, and location information to the Natural Heritage Information Centre.
- If a number of applications are received on related topics applicants may be contacted and asked to consider working together on a joint project. Applicants are reminded to contact experts in their field of research; proposed work which duplicates or overlaps with existing work without bringing added value is discouraged.
- Ontario is not bound to take any action based on any recommendations that may be produced during the course of a project. Any mapping products that result from a project are for the voluntary use of the organization only and the methods and results of a project will not necessarily be endorsed by MNRF or the Government of Ontario for use in future SAR habitat identification or land use decisions.

## **OTHER CONTRIBUTIONS OR FUNDING**

Project proposals that include matching contributions (in-kind and cash) from a variety of sources are encouraged. Matching funds can either be matching dollars or in-kind donations; however a balance of both is recommended. The amount of matching funds is a criterion that

will be considered when applications are reviewed, whereby project proposals with matching dollars will be evaluated more favourably. If applicants indicate in-kind and/or cash contributions, they are required to describe how they are valued. Land values cannot be used as in-kind matching funds.

## NOTIFICATION

The SARRFO uses a competitive process to evaluate all applications. All applicants will be notified of the funding outcome of their proposal in writing. Not all applications will be funded. Should an applicant proceed with a project on the expectation of funding through the SARRFO, the applicant does so at their own risk.

## AGREEMENT AND PAYMENT

In order to be eligible to receive funds, successful applicants will be required to enter into a standard legal agreement with the Province which includes the terms and conditions of grant acceptance, expenditure and reporting requirements.

The terms and conditions of the funding will be set out in detail in the agreement. Generally, those terms and conditions will be consistent with the following:

- The SARRFO is a reimbursement program. Payments will be made following the completion of milestones, and the submission of interim/final reports and documentation of incurred expenditures in accordance with the terms of the agreement.
- Recipients approved for multi-year funding will be required to submit year-end reports and financial documentation for each year of their project in accordance with their funding agreement.
- In the case of multi-year projects, funds from one funding year cannot be transferred to another subsequent funding year.
- The final date to submit all final reporting and financial documentation is **February 28, 2019** for the 2018-19 fiscal year and **February 29, 2020** for the 2019-20 fiscal year.
- Recipients approved for funding will be required to submit certificates of insurance to confirm appropriate coverage.

## LEGAL AUTHORIZATIONS

### LEGAL AUTHORIZATIONS

#### **All applicants must review this section before submitting an application**

All applicants are responsible for identifying and obtaining any permits, licences or other approvals required for the project. Projects cannot proceed until the required authorizations are obtained. Please contact your local MNR district office early in your planning process as they can assist in determining the need for provincial authorizations administered by MNR including authorizations under the ESA, *Fish and Wildlife Conservation Act* and the *Provincial Parks and Conservation Reserves Act*.

Projects involving a species listed as Extirpated, Endangered or Threatened may require authorization (or registration) under the ESA. It is important to contact your local MNR district

office early, as you may be able to avoid the need for an authorization by amending your project plan. Your local MNRF district office can provide advice on which of the following applies to your project:

- (i) Notice under ESA regulation 242/08 s.23.17 will be submitted before undertaking the funded activity;
- (ii) An ESA 17(2)(b) permit is required and will be obtained before undertaking the funded activity; or,
- (iii) The proposed activity does not require an authorization under the ESA.

Under section 23.17 of O. Reg. 242/08 an Animal Care Protocol approved by the MNRF Wildlife Animal Care Committee or a university is required for projects involving amphibians, birds, reptiles or mammals. Protocols for the detection and handling of fish and mussels that include animal care considerations have been published by the Department of Fisheries and Oceans Canada: detection of fish protocol and the detection and relocation of freshwater mussel protocol.

If your project will be occurring in a provincial park or conservation reserve you may require additional authorization. You can apply for an authorization online at <http://www.ontarioparks.com/email/research> or if you have any questions about working in provincial parks and conservation reserves please email [PAScience@ontario.ca](mailto:PAScience@ontario.ca).

## **RECOGNITION**

If applicable, the successful applicant may be required to acknowledge the receipt of financial assistance from the Government of Ontario.

## **FREEDOM OF INFORMATION AND PROTECTION OF PRIVACY**

Personal information collected in the application will be used for the proper administration of the Species at Risk Research Fund for Ontario.

Personal information will only be used or disclosed in accordance with the *Freedom of Information and Protection of Privacy Act*. If you have any questions about the collection of this information please contact us.

## **AUDITING**

To ensure integrity in the use of funds, the Province of Ontario reserves the right to require independent verification of reported information as required in the terms of the funding agreement. Payment claim forms and invoices must be submitted in order to receive payments. The successful applicant shall provide, if requested by the Province, any necessary permissions to access the property and make available any records, documents and/or information that may be required for this purpose.

## **TERMS OF REFERENCE**

- This call for applications is not a formal legally-binding procurement process.

- MNRF reserves the right to seek clarification and supplementary information from any applicant.
- MNRF may elect not to consider an application containing misrepresentations or any inaccurate, misleading or incomplete information.
- Once a project proposal has been submitted, it cannot be substantially modified or changed

## APPENDIX A

### Species with a Draft or Final Government Response Statements (GRS)

Acadian Flycatcher	Houghton's Goldenrod
Allegheny Mountain Dusky Salamander	Hungerford's Crawling Water Beetle
American Badger (Northwestern Ontario population)	Jefferson Salamander
American Badger (Southwestern Ontario population)	Juniper Sedge
American Chestnut	Kidneyshell
American Columbo	King Rail
American Eel (draft*)	Kirtland's Warbler
American Water-willow	Lake Chubsucker
American White Pelican	Lake Erie Watersnake
Aweme Borer Moth	Lakeside Daisy
Bald Eagle	Large Whorled Pogonia
Bank Swallow	Laura's Clubtail
Barn Owl	Least Bittern
Barn Swallow	Loggerhead Shrike
Beluga	Lowland Toothcup
Bent Spike-rush	Mottled Duskywing
Bird's Foot Violet	Nodding Pogonia
Black Tern	Northern Barrens Tiger Beetle
Blue Racer	Northern Dusky Salamander
Bluehearts	Northern Madtom
Blunt-lobed Woodsia	Northern Riffleshell
Bobolink	Ogden's Pondweed
Bogbean Buckmoth	Pale-bellied Frost Lichen
Broad Beech Fern	Peregrine Falcon
Butternut	Pink Milkwort
Caribou (Boreal population)	Piping Plover
Channel Darter	Pitcher's Thistle
Cherry Birch	Polar Bear
Colicroot	Prothonotary Warbler
Common Five-lined Skink (Carolinian population)	Pugnose Shiner
Common Five-lined Skink (Southern Shield population)	Pygmy Snaketail
Common Hoptree	Queensnake
Cucumber Tree	Rapids Clubtail
Cutlip Minnow	Rayed Bean
Deerberry	Red Mulberry
Dense Blazing Star	Redside Dace
Drooping Trillium	Riverine Clubtail
Dwarf Hackberry	Round Hickorynut
Eastern Flowering Dogwood	Round Pigtoe
Eastern Foxsnake (Carolinian population)	Rusty-patched Bumble Bee
Eastern Foxsnake (Georgian Bay population)	Salamander Mussel
Eastern Hog-nosed Snake	Scarlet Ammannia
Eastern Meadowlark	Showy Goldenrod (Boreal population)
Eastern Prairie Fringed-orchid	Showy Goldenrod (Great Lakes Plains population)
Eastern Prickly Pear Cactus	Shumard Oak
Eastern Sand Darter	Skinner's Agalinis
Eastern Small-footed Myotis	Slender Bush-clover
Engelmann's Quillwort	Small White Lady's-slipper
False Hop Sedge	Small Whorled Pogonia
Few-flowered Club-rush	Small-mouthed Salamander

Forked Three-awned Grass Four-leaved Milkweed Fowler's Toad Gattinger's Agalinis Golden Eagle Goldenseal Gray Ratsnake (Carolinian population) Gray Ratsnake (Frontenac Axis population) Green Dragon Heart-leaved Plantain Henslow's Sparrow Hill's Thistle Hine's Emerald Hoary Mountain-mint Horned Grebe Horsetail Spike-rush	Snuffbox Spotted Gar Spotted Wintergreen Virginia Goat's-rue Virginia Mallow Wavy-rayed Lampmussel West Virginia White White Prairie Gentian Wild Hyacinth Willowleaf Aster Wolverine Wood Turtle Wood-poppy
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\*Draft GRS for American Eel is available here: <http://apps.mnr.gov.on.ca/public/files/er/draft-american-eel-grs-2017.pdf>  
 All other GRS have been finalized and are publically available on the Ontario.ca website by following the links to the relevant [Species at Risk](#) .