

Conservation Connections Update

Canadian Wildlife Service

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Sept 28, 2021



Environment and Climate Change Canada's 50th anniversary
50^e anniversaire d'Environnement et Changement climatique Canada

Meteorological Service of Canada's 150th anniversary
150^e anniversaire du Service météorologique du Canada



Environment and
Climate Change Canada

Environnement et
Changement climatique Canada

Canada

Outline

Purpose: Update SCCP community on CWS SAR activities and funding

1. CWS mandate
2. Species at risk planning
3. SAR recovery activities
4. Funding programs
5. Monitoring





Canadian Wildlife Service

- Branch of Environment and Climate Change Canada
 - Other branches include Science and Technology and Environmental Protection
- CWS mandate:
 - Implementation of the SARA for terrestrial species at risk
 - Migratory birds
 - Some federal protected areas

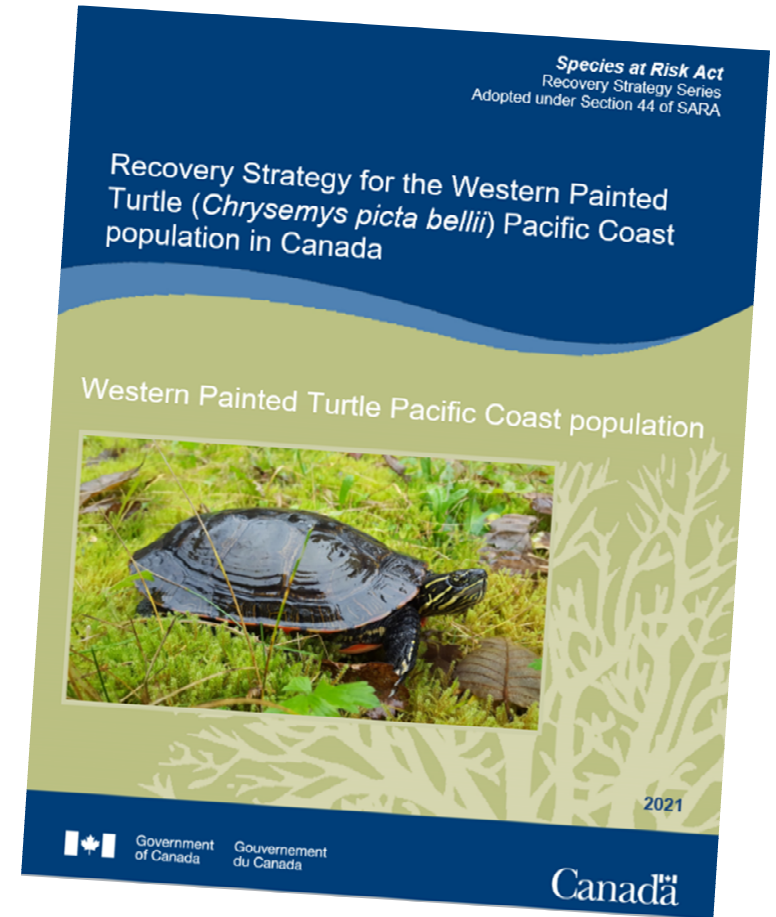
CWS programs include:

- Regulatory functions
 - Migratory bird permitting, SARA permitting on federal land, SARA recovery planning, Impact Assessment, consultation, etc.
- Stewardship functions
 - Funding and partnership programs, migratory bird monitoring, Ecological Gifts program, Nature Smart Climate Solution Fund, etc.
- Designate and manage National Wildlife Areas & Migratory Bird Sanctuary

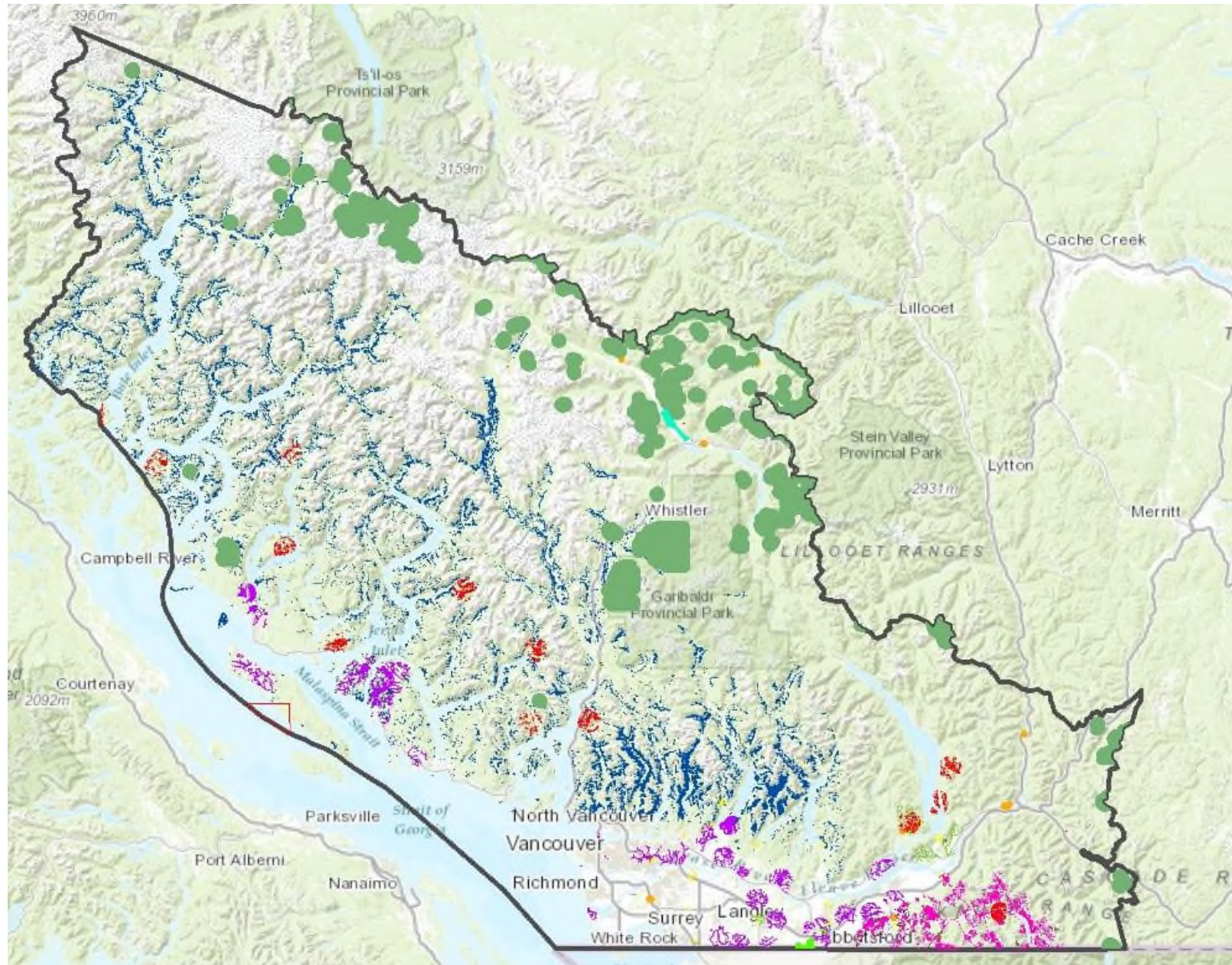
SARA Recovery Planning

Recovery Strategies & Management Plans

- Planning documents that:
 - Identify what needs to be done to stop or reverse decline of an endangered or threatened species, or
 - Manage the conservation of special concern species
- Recovery strategies identify critical habitat and activities likely to destroy critical habitat

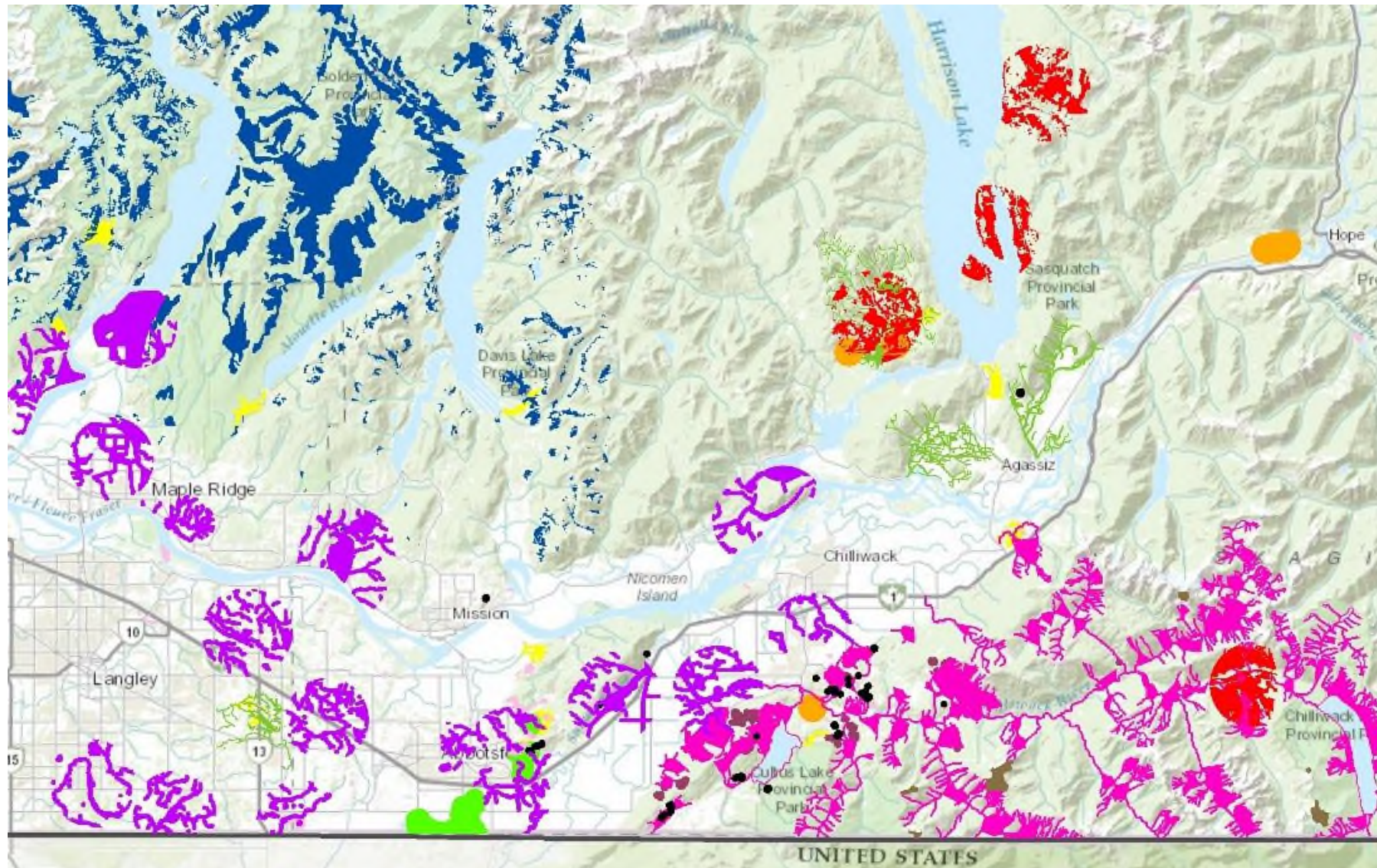


Critical Habitat for Terrestrial SAR in South Coast



- Bank Swallow
- Cliff Paintbrush
- Coastal Giant Salamander
- Dun Skipper *vestris* subspecies
- Marbled Murrelet
- Northern Goshawk *laingi* subspecies
- Oregon Forestsnail
- Oregon Spotted Frog
- Pacific Water Shrew
- Phantom Orchid
- Poor Pocket Moss
- Sharp-tailed Snake
- Streambank Lupine
- Tall Bugbane
- Townsend's Mole
- Western Painted Turtle Pacific Coast population
- Little Brown Myotis
- Northern Myotis
- Whitebark Pine

CRITICAL HABITAT: FRASER VALLEY



SAR Recovery Planning in Progress

Some future recovery documents in preparation include:

- Marbled Murrelet (amendment)
- Oregon Forestsnail (amendment)
- Western Bumblebee
- Barn Owl
- Western Screech Owl
- Barn and Bank Swallow
- Western Grebe
- Horned Grebe
- Gypsy Cuckoo Bumble Bee
- Vivid Dancer
- Audouin's Night Stalking Tiger Beetle
- Georgia Basin Bog Spider
- Peacock Vinyl Lichen
- Western Waterfan



[Vivid Dancer by siamesepuppy](#)



[Western Screech-Owl by mizmak](#)



[Peacock Vinyl Lichen by Tab Tannery](#)



[Bank Swallow by Alan Vernon](#)

ECCC Funding Programs

Enabling recipients
to do recovery
actions for species
at risk conservation



ECCC Funding Program	Application-based or Directed Funding	Min \$ Request	Max \$ Request	Maximum Years	Min Match Contribution %
NAWMP Habitat Joint Ventures	Directed	\$10K	na	3	0
EcoAction Community Fund (ECCC)	Application	\$25K	\$100K	1	50
Environmental Damages Fund (ECCC)	Application	\$10K	na	5	0
Habitat Stewardship Program for SAR	Application	\$25K	\$100K	3	50
Aboriginal Fund for Species at Risk	Application	\$10K	\$50K	3	20
Species at Risk Partnerships on Agricultural Lands	Directed	\$25K	na	5	0
Canada Nature Fund - Target 1 Challenge Fund	Application	\$25K	\$10,000,000	4	20 or 50
Canada Nature Fund - Priority Places	Directed	\$25K	\$500K	4	50
Canada Nature Fund - Community-Nominated Priority Place	Application	\$25K	\$500K	4	50
Canada Nature Fund - Priority Sectors	Directed	\$25K	na	4	50
Canada Nature Fund - Priority Species	Directed	\$25K	na	4	50
Canada Nature Fund - Indigenous Partnerships	Directed	\$10K	na	4	20
Canada Nature Fund - Land Trust Conservation Fund	Application (WHC admin)	\$5K	\$1,000,000	3	67
Canada Nature Fund - Indigenous Guardians	Application	\$60K	na	1	0
Nature-Smart Climate Solutions Fund - Place-based	Application & Directed	\$400K	na	3	50
Nature-Smart Climate Solutions Fund - Sector-based	Application & Directed	\$100K	na	3	50
Nature-Smart Climate Solutions Fund - Indigenous-based	Application	na	na	3	20

CWS Funded Projects in South Coast Region

Recipient	Project Title	Program
Department of National Defence	Species at risk and critical habitat recovery at federal agricultural property in Agassiz, BC	CHIP (Ottawa)
Archaeology, Environment, Wildlife Limited Partnership	Surveying High-Productivity Wetland and Riparian Environments in the Fraser Valley for Pacific water shrew and Oregon forestsnail.	HSP
Athene Ecological	Recovery of the Western Painted Turtle and Associated Species at Risk in South Coastal BC	HSP
BC Conservation Foundation	Habitat Stewardship for Recovery of Species at Risk on the Sunshine Coast, British Columbia	HSP
BC Conservation Foundation	Got Bats? BC Community Bat Program - Engaging Citizens in Bat Conservation	HSP
Delta Farmland and Wildlife Trust	Enhancing Farmland in the Fraser River delta with Tall-grass Habitat for Species at Risk	HSP
Fraser Valley Conservancy	Fraser Valley Stewards: A Multi-Species Approach To Recover Our At-Risk Owls, Frogs, Toads And Snails	HSP
Fraser Valley Conservancy	Precious Frog: Restoring a Vanishing Ecosystem in the Fraser Valley	HSP
Hemmera Envirochem Inc	Coastal Western Screech-Owl Studies And Nocturnal Wildlife Inventory Within Old Growth Ecosystems of Southwest BC	HSP
The Nature Trust of BC	Habitat Rehabilitation For Species at Risk In The Coastal Douglas-fir, Coastal Western Hemlock, Bunchgrass, And Ponderosa Pine Biogeoclimatic Zones	HSP
WCS Wildlife Conservation Society Canada	Roost Structures for Bats – Implementing, Monitoring and Evaluating Bat Boxes, Bark-Pole Roosts, Tree Manipulations, and Condos	HSP
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Recipient	Project Title	Program
Delta Farmland and Wildlife Trust	Agricultural stewardship for migratory birds in the Fraser River Delta	NAWMP
Ducks Unlimited Canada	Protection of farmland habitat in the Fraser River Delta through coordinated partnership	NAWMP
BC Conservation Foundation	South Coast Conservation Program Implementation	Priority Places
BC Conservation Foundation	Coastal Douglas-fir Conservation Program: Coordination and Local Government Support for Conservation Planning	Priority Places
BC FLNRORD South Coast	(Project under Provincial funding agreement for Priority Places) Conservation planning analysis to identify focal areas that maximize overlap with multiple values, including species at risk, species valued by First Nations, and important Indigenous cultural areas (COVIST & TEM)	Priority Places
Fraser Valley Conservancy	Local Government Planning Support and Targeted Landowner Engagement for Multiple Species at Risk in the Fraser Valley	Priority Places
Islands Trust Conservancy	Islands Trust Conservancy Species at Risk Program	Priority Places
Stewardship Centre for BC	Green Bylaws Toolkit Extension for Local Governments	Priority Places
Stewardship Centre for BC	Translational ecology approach to addressing a priority urban threat: local pilot and scaling to a Canada-wide strategy to address cat predation on migratory birds and species at risk	Priority Sectors
Wildlife Conservation Society Canada	North American Bat Monitoring Program, British Columbia	Priority Species
Investment Agriculture Foundation of BC	Payment for ecosystem services for species at risk habitat via Farmland Advantage in BC	SARPAL

Monitoring Activities (CWS and partners)

- Breeding bird survey routes in Lower Mainland
- Band-tailed Pigeon surveys
- Roberts Bank shorebird surveys
- Snow Goose counts and waterfowl surveys in the Fraser River delta & estuary
- Motus towers to capture movements of migrating and overwintering tagged birds
- Marsh bird, swallow and point count surveys on conservation properties in the Lower Mainland
- Birds Canada surveys: Coastal Waterbird, Beached Bird, Nocturnal Owl, Nightjar
- Great Blue Heron colony surveys (on COVID hold, though volunteers continuing)
- Oregon Forestsnail demographic study near Bridal Veil Falls



[Common Nighthawk by Jason Crotty](#)



[Great Blue Heron Colony by Tim Lumley](#)



[Oregon Forestsnail by Andrew Reding](#)



[Oregon Spotted Frog by Teal Waterstrat \(USFWS\)](#)

More questions?

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Useful Links

- [SARA public registry](#)
- [SARA permits](#) (for federal lands)
- [Avoiding harm to migratory birds](#)
- [Migratory bird permits](#)
- [ECCC funding programs](#)
- Critical habitat mapping:
 - Search [iMapBC](#) for “Critical Habitat for federally listed species at risk”
 - Critical habitat [shapefiles](#)