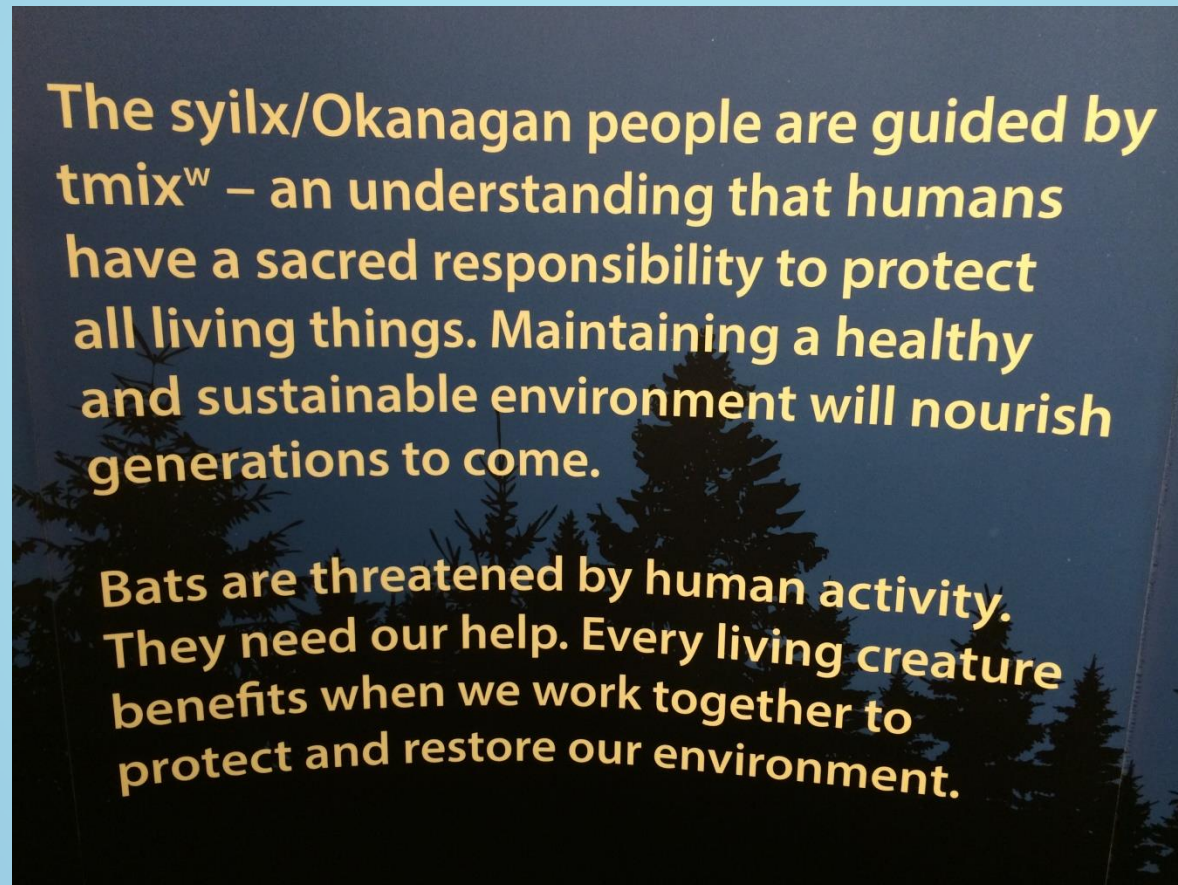


Bat Matters Conference 2020

How to Find Bat Data

Photo below from Bats: Out of the Darkness ...a Kelowna Museums Exhibit



t'əntanwiya – a nsyilxcən word for bat

Outline

- Bat Habitats
- Habitat Data
- Species Data
- Gathering New Data

Bat Habitats



BC Community Bat Program

TABLE 2. SUMMER AND WINTER ROOSTS USED BY BRITISH COLUMBIA BATS

Common Name	Summer Roosts			Winter Roosts
	Buildings	Bat House User	Natural roosts	
Spotted Bat			Cliffs	Cliffs, mines (assumed)
Pallid Bat	Potentially		Cliffs, rock outcrops, snags	Rock crevices?
Townsend's Big-eared Bat	Common	Big ones	Cliffs, caves, mines	Mines, caves, rock crevices
Hoary Bat			Foliage of trees	Migrates
Eastern Red Bat			Foliage of trees	Migrates
Silver-haired Bat			Trees, snags (cottonwoods)	Snags, live trees, mines, buildings, wood piles, rock crevices
Big Brown Bat	Common	Yes	Snags, cliffs, rock crevices	Buildings, mines, rock crevices
Yuma Myotis	Common	Yes	Snags, rock crevices, mines, bridges	Mines, rock crevices, caves
Californian Myotis	Occasional	Yes	Snags, mines, bridges, rock outcrops & crevices	Buildings, mines, caves, rock crevices, tree root wads
Western Small-footed Myotis	Occasional		Cliffs, rock crevices, mines,	Mines, cliff crevices
Northern Myotis	Rarely		Snags	Mines, caves, rock crevices
Long-legged Myotis	Occasional		Cliffs, rock crevices, snags, stumps	Mines, caves, rock crevices
Little Brown Myotis	Common	Yes	Snags, rock crevices, cliffs, mines	Mines, caves, rock crevices, tree root wads
Fringed Myotis	Occasional		Cliffs, rock crevices, trees, mines	Mines, rock crevices
Long-eared Myotis	Occasional	Yes	Cliffs, snags, stumps, talus slopes, rock outcrops, crevices, mines	Mines, buildings, rock crevices
Canyon Bat ¹			Cliffs, rock crevices	Rock crevices, caves?
Mexican Free-tailed Bat ¹	Common	Yes	Trees, Caves	Migrates?

¹ Canyon Bat and Mexican Free-tailed Bat only detected acoustically in BC; extent of habitat use in BC is unknown.

Habitat scales



Photo by Cory Olson



Photo by Cory Olson



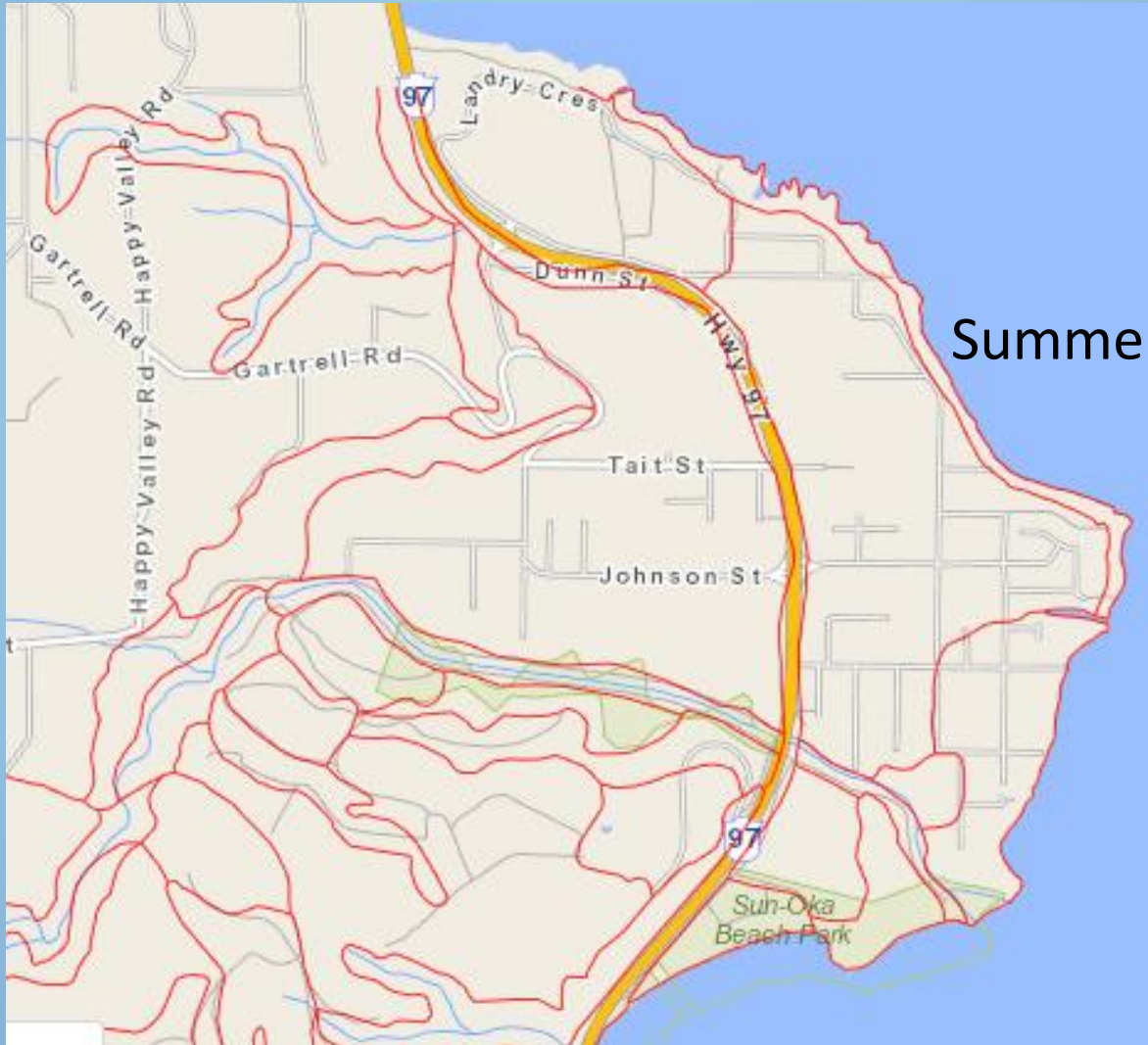
Photo by Cory Olson



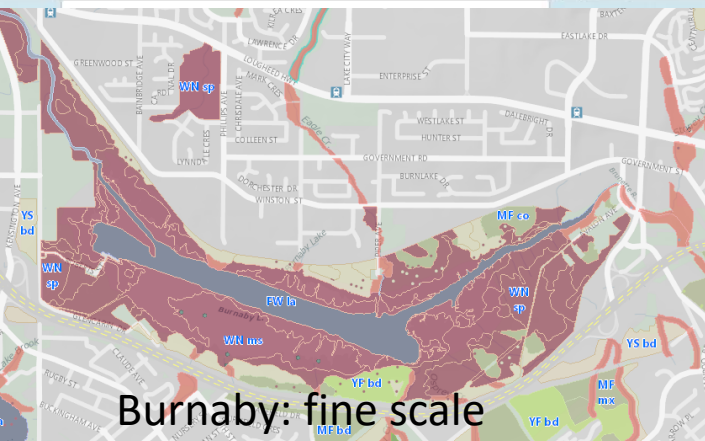
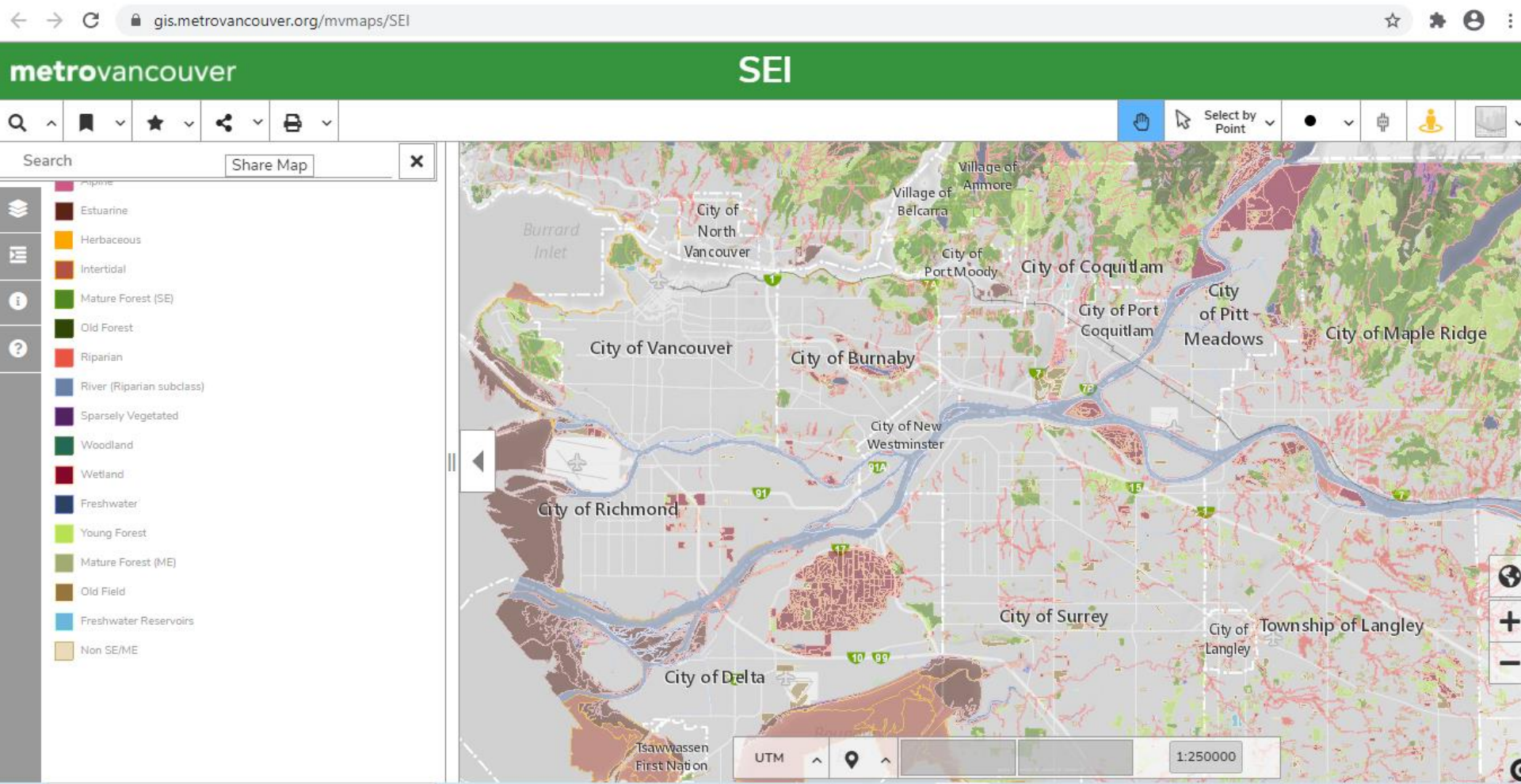
Photo by Tanya Luszc

Tree roosts used by bats.

Sensitive Ecosystem Mapping (SEI)



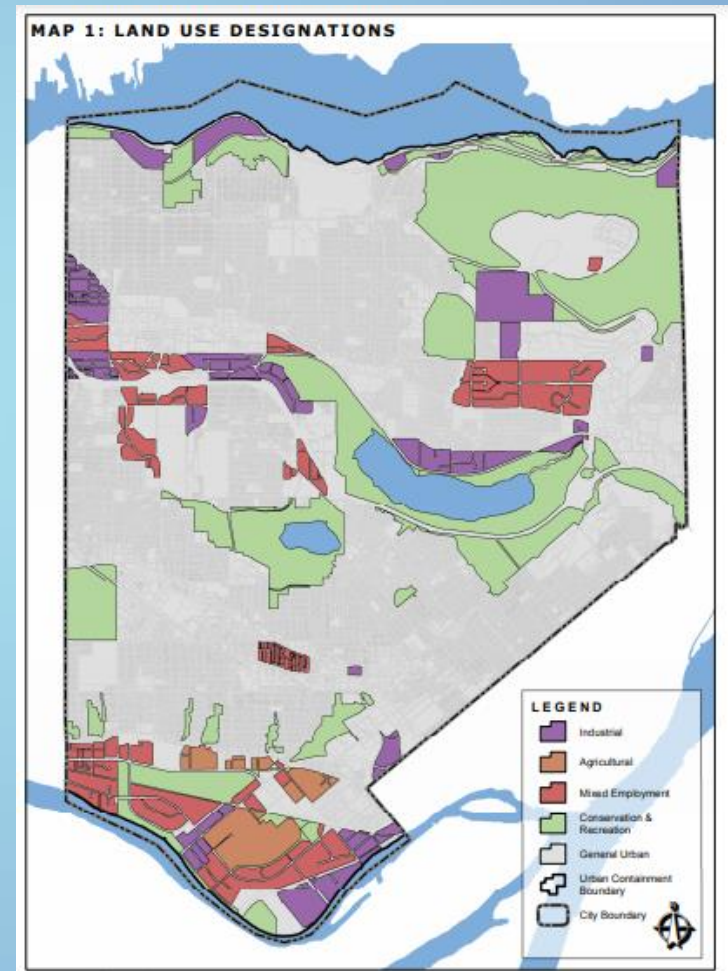
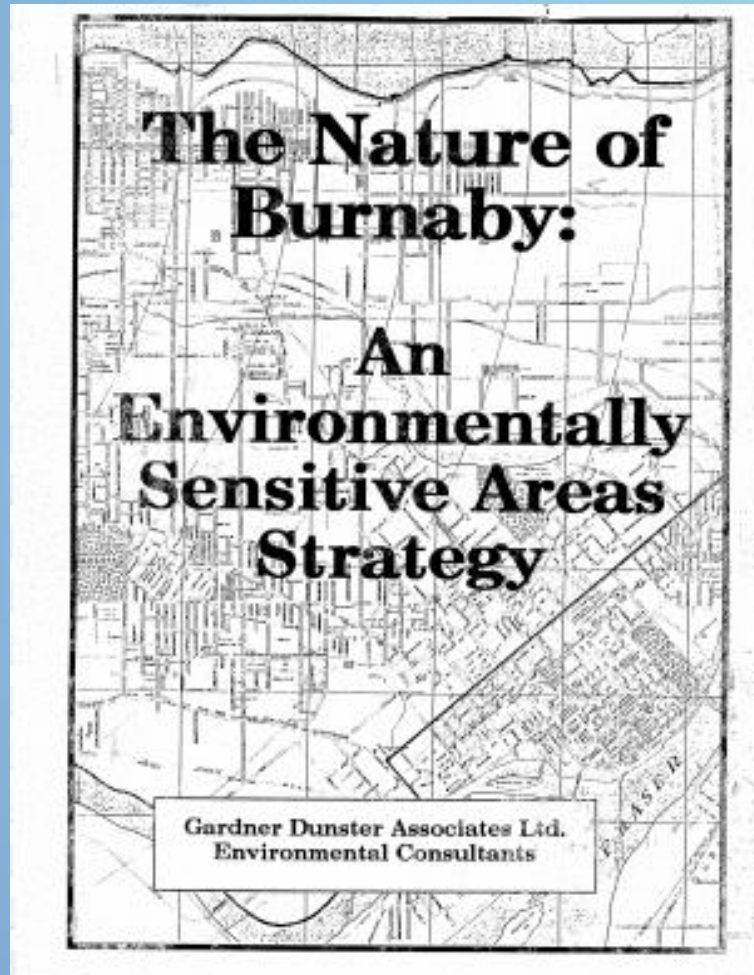
Summerland SEI



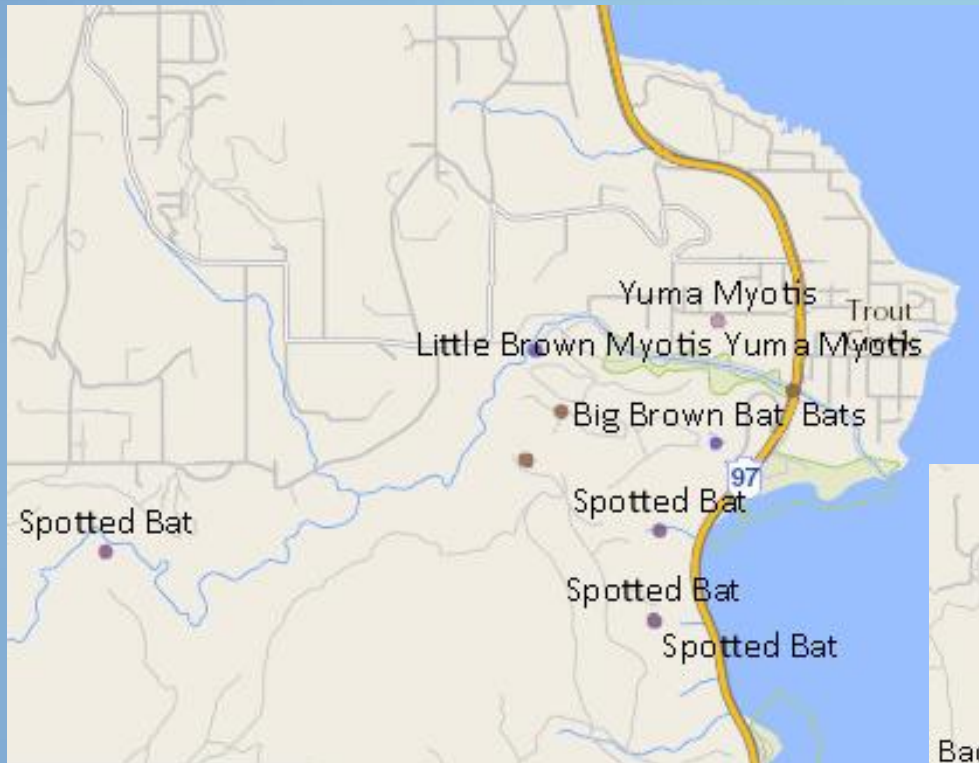
Metro Vancouver has a great app with an interactive map showing **sensitive ecosystem mapping**

<https://gis.metrovancouver.org/mvmaps/SEI>

Environmentally Sensitive Areas and Official Community Plans



Species Data

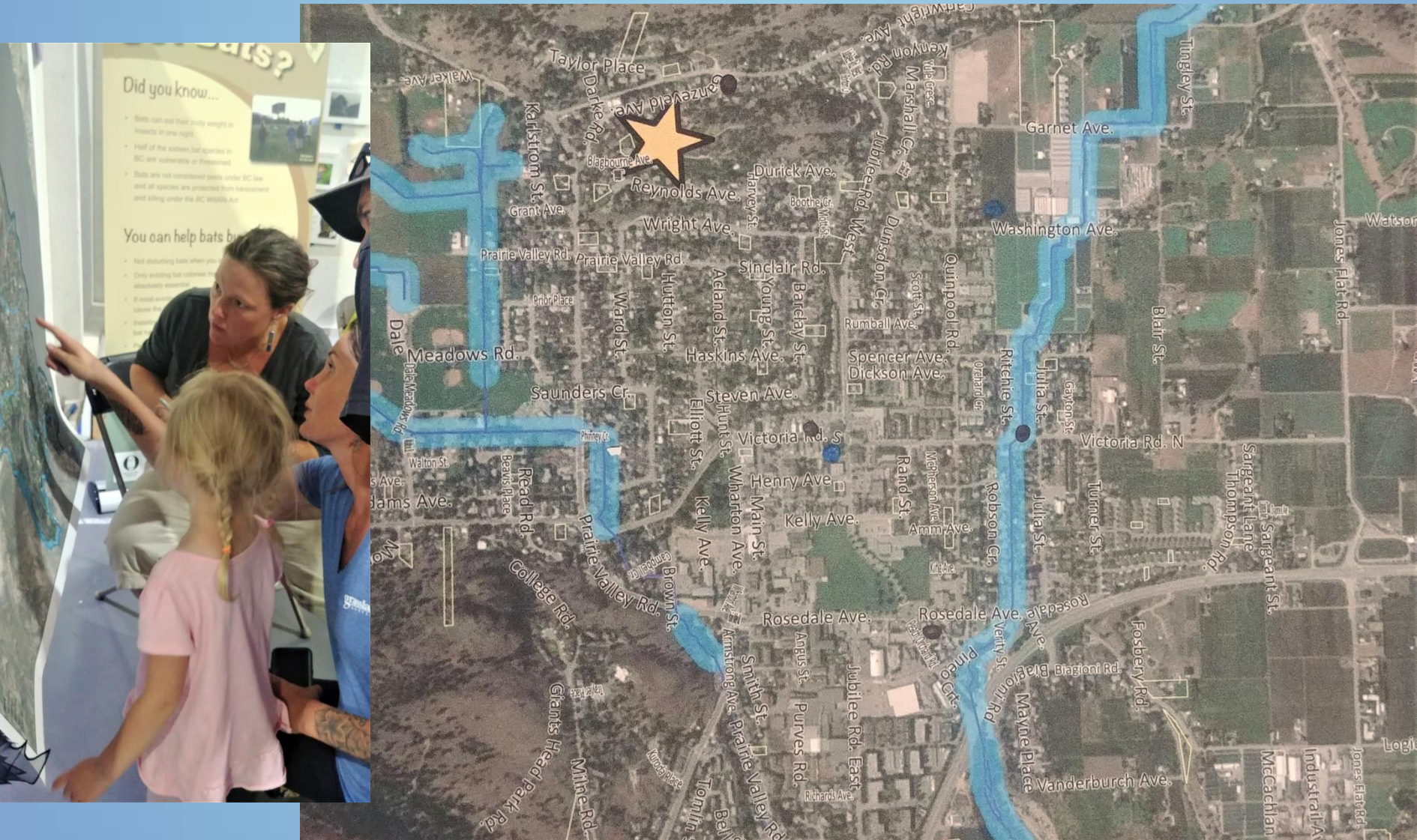


Wildlife Species Inventory

Conservation Data Centre



Gathering New Data



Acknowledgements

This talk was based on
Bat Friendly
Communities: A guide for
managing and enhancing
bat habitat in British
Columbia.

<https://www.bcbats.ca/index.php/get-involved/bat-friendly-communities>.



Links to interactive mapping

- Imap BC: <https://maps.gov.bc.ca/ess/hm/imap4m/>
- CDC imap: <http://maps.gov.bc.ca/ess/hm/cdc/>
- Habitat Wizard: <https://maps.gov.bc.ca/ess/hm/habwiz/>
- Metro Vancouver SEI: <https://gis.metrovancouver.org/mvmaps/SEI>
- CLIR: <https://www2.gov.bc.ca/gov/content/environment/research-monitoring-reporting/libraries-publication-catalogues/cross-linked-information-resources-clir>
- Ecocat:
<https://www2.gov.bc.ca/gov/content/environment/research-monitoring-reporting/libraries-publication-catalogues/ecocat>
- SIWE: http://a100.gov.bc.ca/pub/siwe/search_reset.do
- Wildlife Tree Atlas: <https://cmnmaps.ca/wits/>
- Data BC Catalogue for GIS downloads:
https://catalogue.data.gov.bc.ca/dataset?download_audience=Public