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Salish Sea Ecosystem Conference

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Apr 6th, 11:30 AM - 11:45 AM

How 19 years of BC coastal waterbird citizen science data is informing conservation planning

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How BC Coastal Waterbird Survey citizen science data is informing conservation planning



Karen Devitt and James Casey, Bird Studies Canada





Conserve wild birds through sound science, on-theground action, innovative partnerships, public engagement, and science-based advocacy







BC Coastal Waterbird Survey

- Established in 1999
- Abundance and distribution of coastal birds
 Citizen science-based





BC Coastal Waterbird Survey By the Numbers

 # surveys
 25,944

 # sites surveyed
 349

 # volunteers
 1413

volunteer hours

records

44,951

432,994

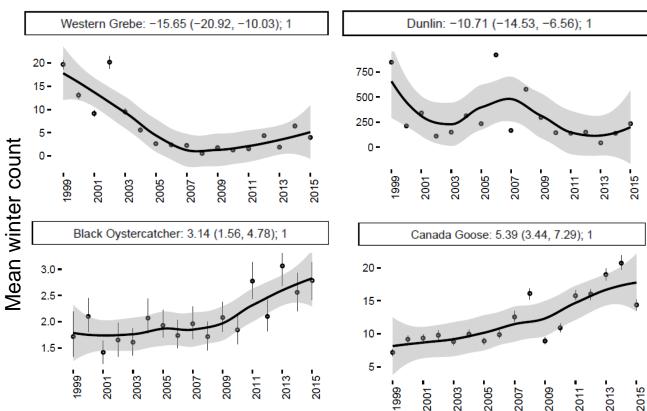




BC Coastal Waterbird Survey Trends in the Salish Sea

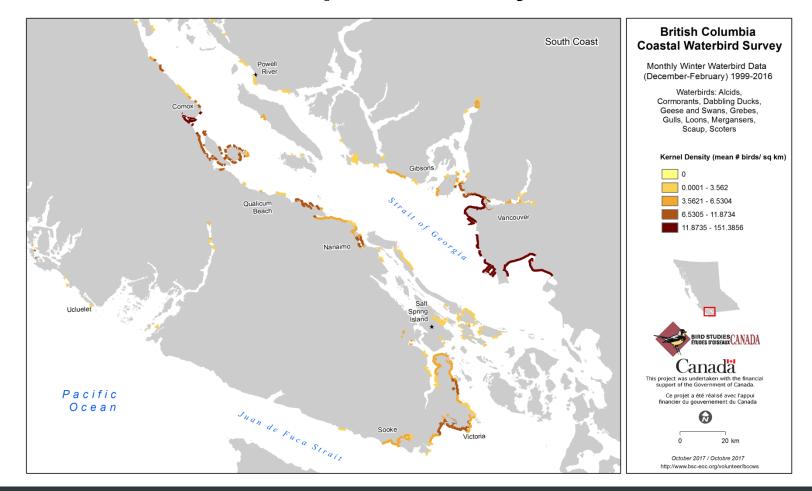
1999-2016

- 16 declining
- 4 increasing
- 37 no trend



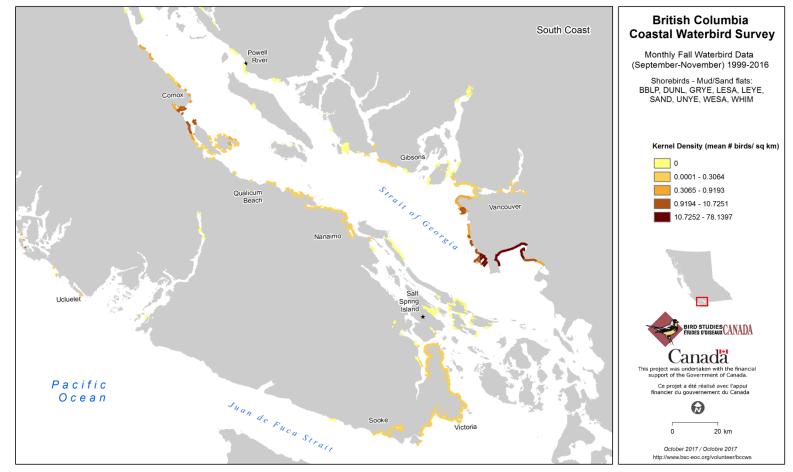


BC Coastal Waterbird Survey-Hotspot Analysis





BC Coastal Waterbird Survey- Hotspot Analysis



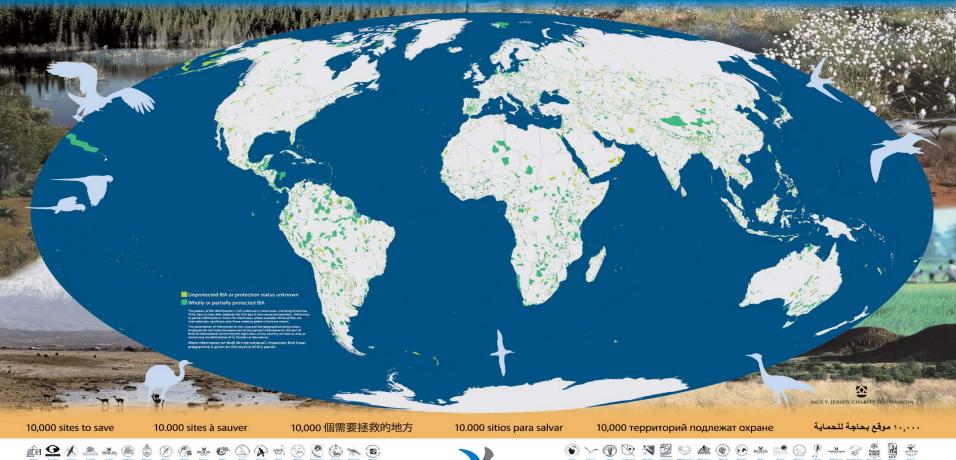




Zones importantes pour la conservation des oiseaux dans le monde Important Bird Areas of the World 世界上的重點鳥區

BirdLife IMPORTANT BIRD AREA Areas Importantes para la Conservación de las Aves en el mundo Ключевые орнитологические территории мира المناطق المهمة للطيور في العالم

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Boundary Bay - Roberts Bank -Sturgeon Bank IBA and (Fraser River Estuary)



Fraser River Estuary Important Bird Area







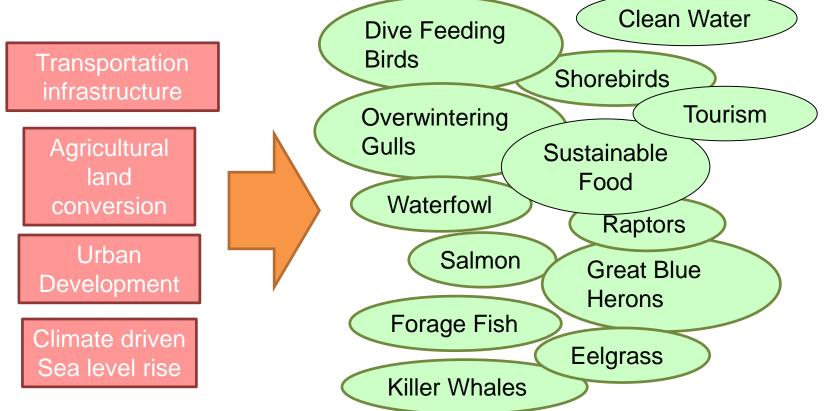
Fraser River Estuary, IBA in Danger

- Goal: broadly endorsed conservation solution
- Two key components
 - Open Standards for the Practice of Conservation The Gosling Foundation
 - Engagement Organizing

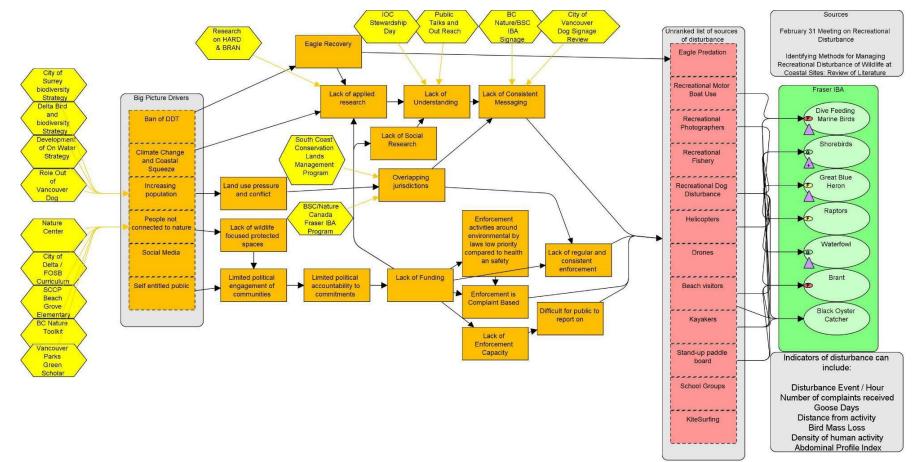




Open Standards for the Practice of Conservation

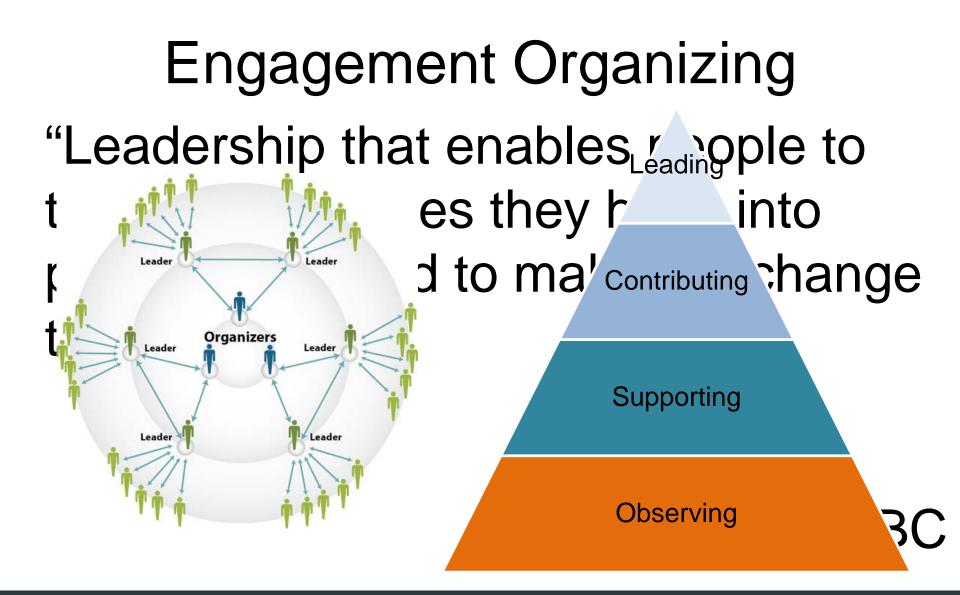


Open Standards for the Practice of Conservation











BIRD STUDIES

Citizen science and environmental planning in the Fraser River Estuary IBA

- Climate change adaptation and planning
- Oil spill response planning and modelling
- Municipal biodiversity strategies
- Property securement
- Environmental Assessments
- Academic studies

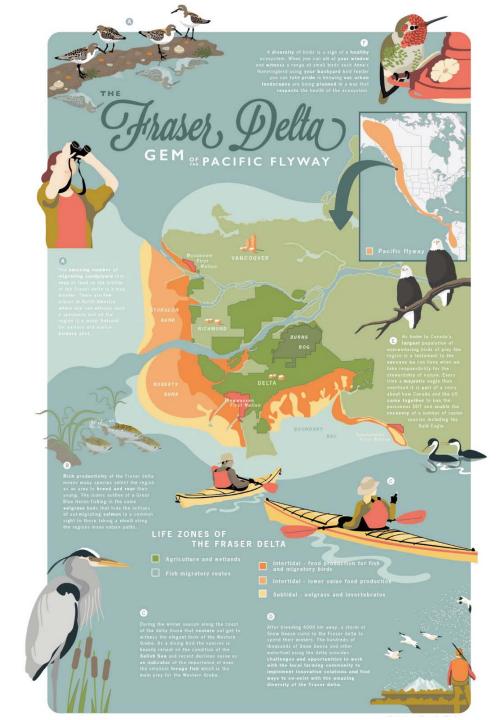




Summary

- Fraser Estuary IBA is an IBA In Danger
- Coastal Waterbird Survey and citizen science is part of the solution
- Next steps involve developing tools to empower communities to become leaders





Thank You www.birdscanada.org

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EDERATION OF BC NATURALISTS

Environment and

Climate Change Canada



Environnement et Changement climatique Canada

The Gosling Foundation





