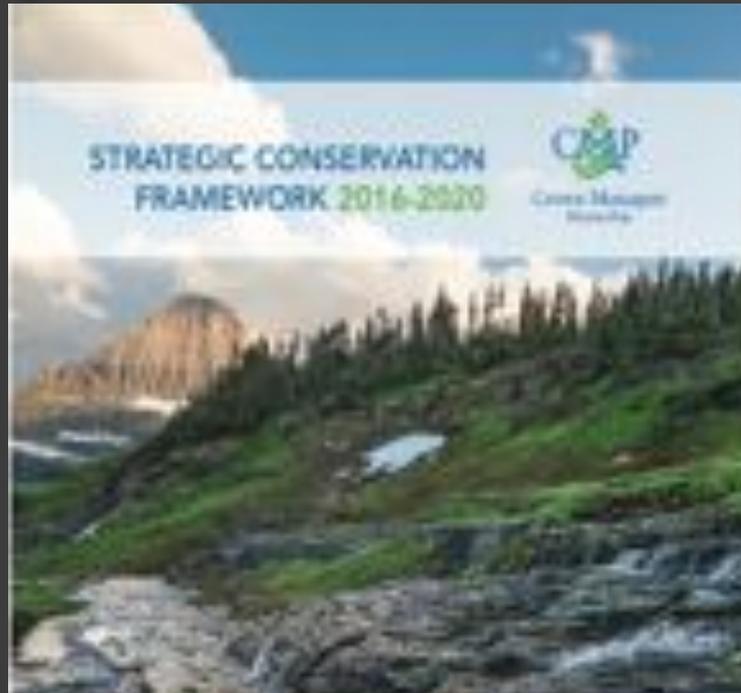


# **Transboundary Conservation Initiative**

**The Crown of the Continent Ecosystem**



# The Enterprise



*Vision: Managing Together for Ecological Integrity at a Large Landscape Scale*

We will collectively define measures of ecological integrity and the adaptive capacity to meet them, across borders, amongst jurisdictions and with stakeholders by the end of the decade.



# Who's involved?



**CMP: owns and oversees the TCI**



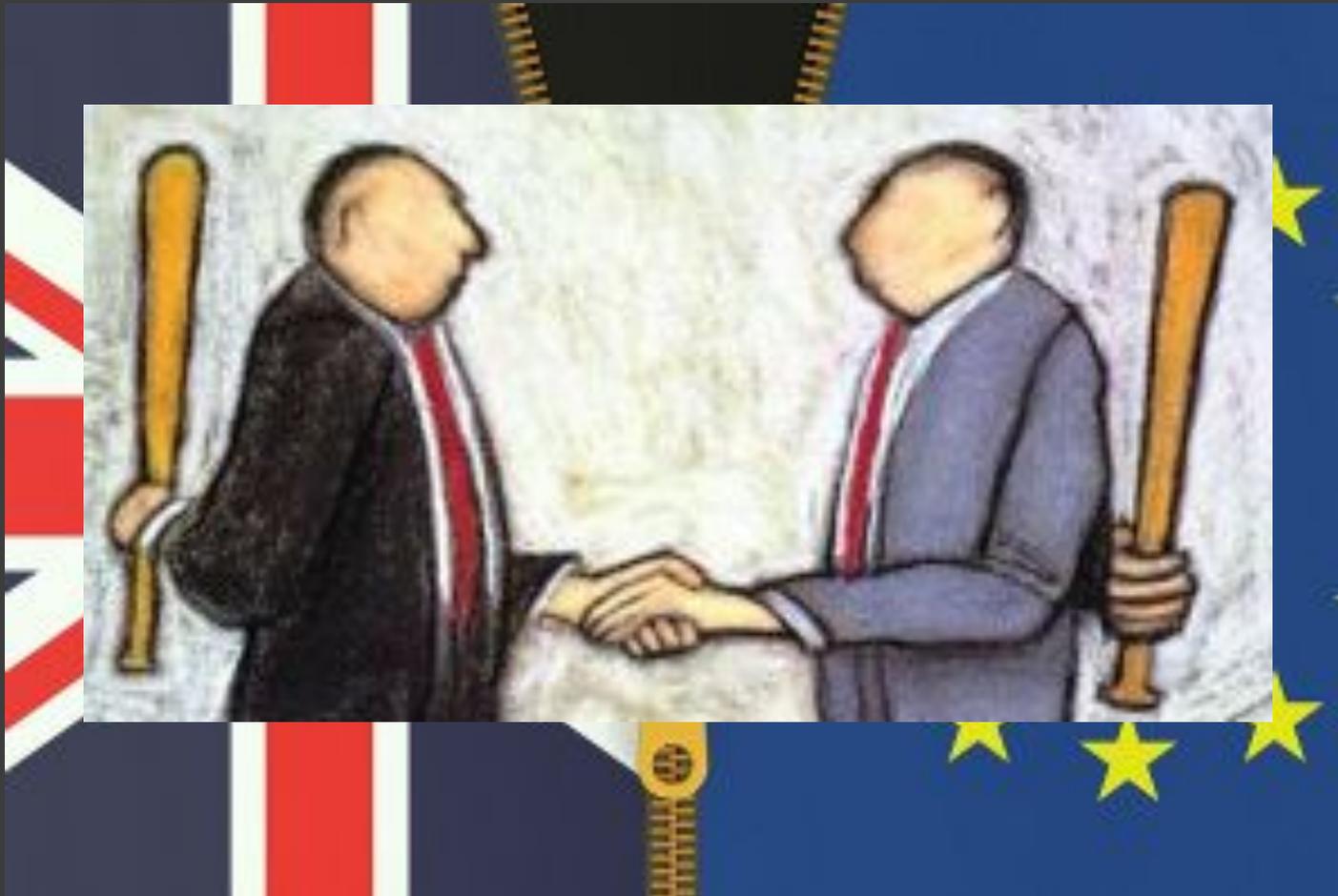
**CAP: 'point' on TCI conservation priorities**



**Major TCI funder**



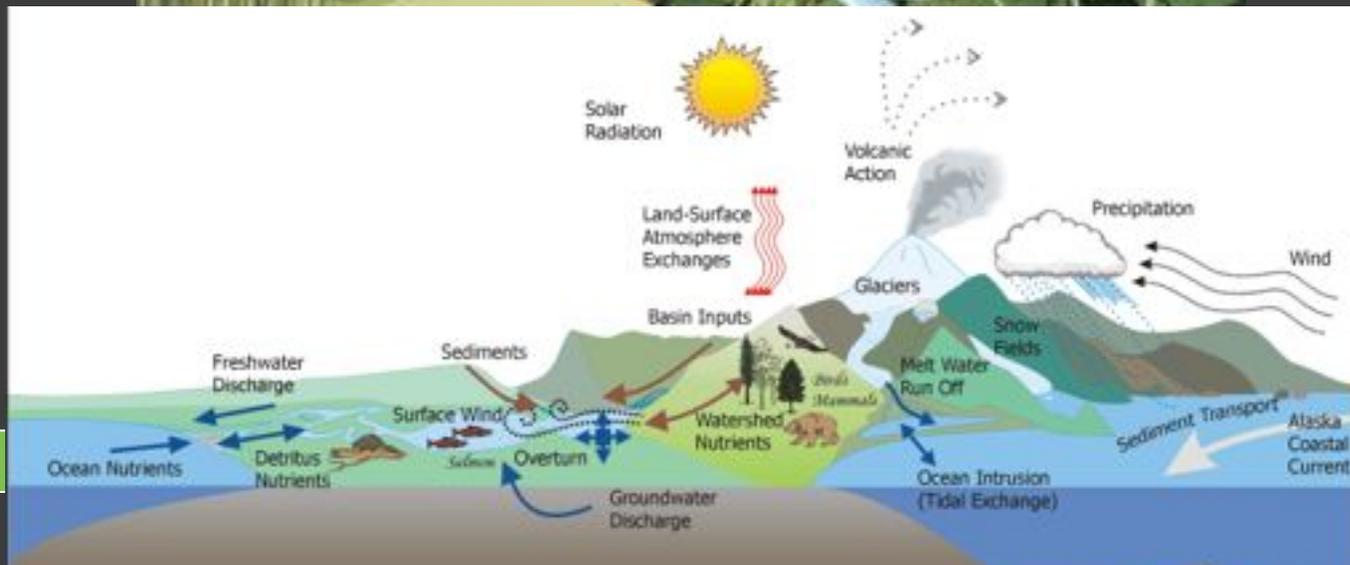
# What it isn't: Interest-based negotiation



# What it is: Achieving commonly desired environmental outcomes across borders



# Scope: All parts of the environment

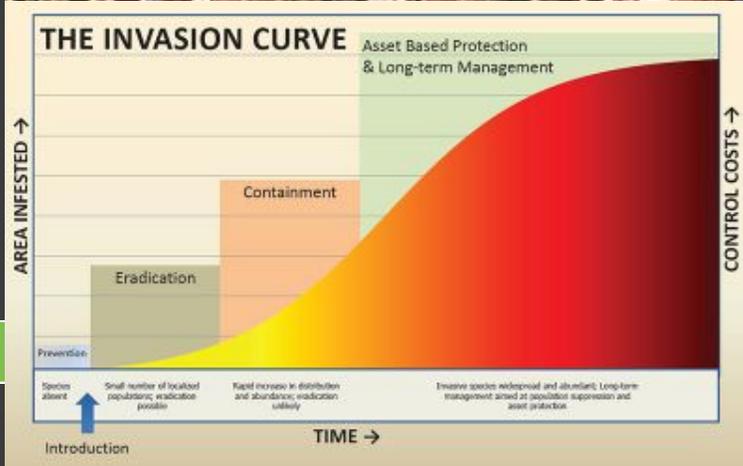


# Scope: Stressors

Climate Change

Human footprint

Invasives



# Transboundary Conservation Initiative

All parts of the environment

**Biotic/Abiotic**  
Ecosystem structure and function

Strategies to achieve conservation outcomes

Key Stressors

**Key Stressors**  
Invasives, Climate Change,  
Human Footprint

Strategies to Minimize impact



# TCI Overview



# Evolution

## The Role of the CMP

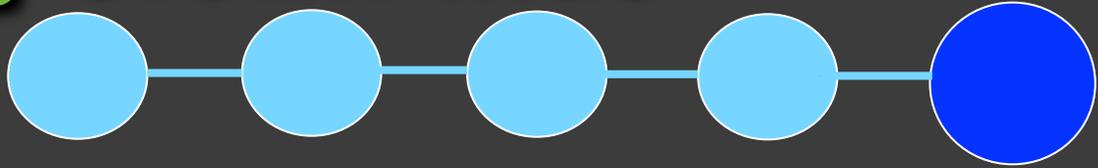
**LEAD** take a lead role to plan, organize and secure funds.

**SUPPORT** lend support to another leading party through sharing information with partners or stakeholders, providing data or analysis, organizing workshops. This includes formal partnerships.

**MONITOR** actively monitor the progress of other parties or organizations on issues of interest, with the objective of measuring progress and assessing the need or opportunity to become more actively involved.



# Developing Crown-wide Strategies



Science available to support decision-making



Opportunities and Challenges by Jurisdiction/Stakeholder



Case Studies and Tactics



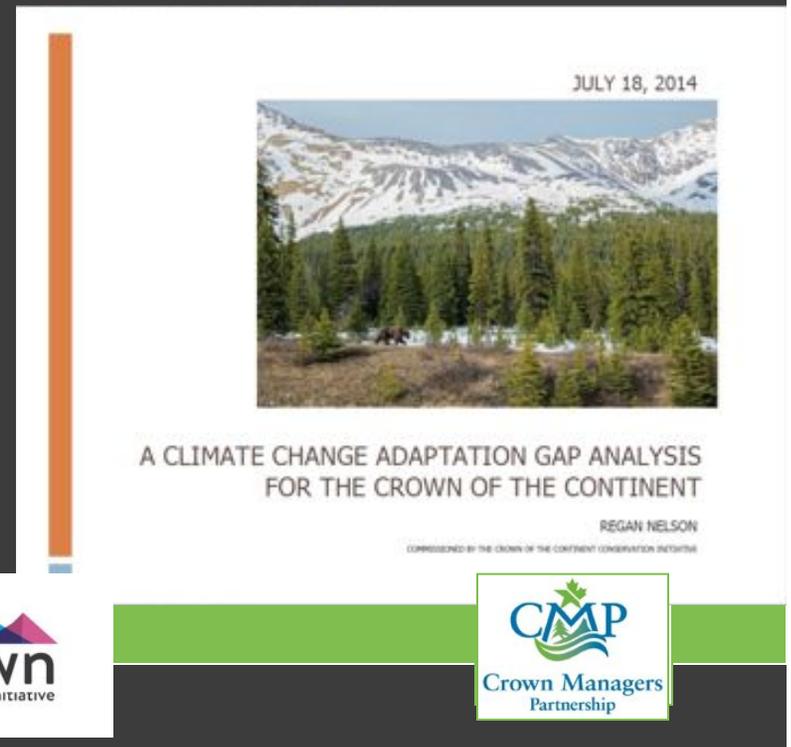
Brainstorm Crown Strategies



Refine and Focus Strategies



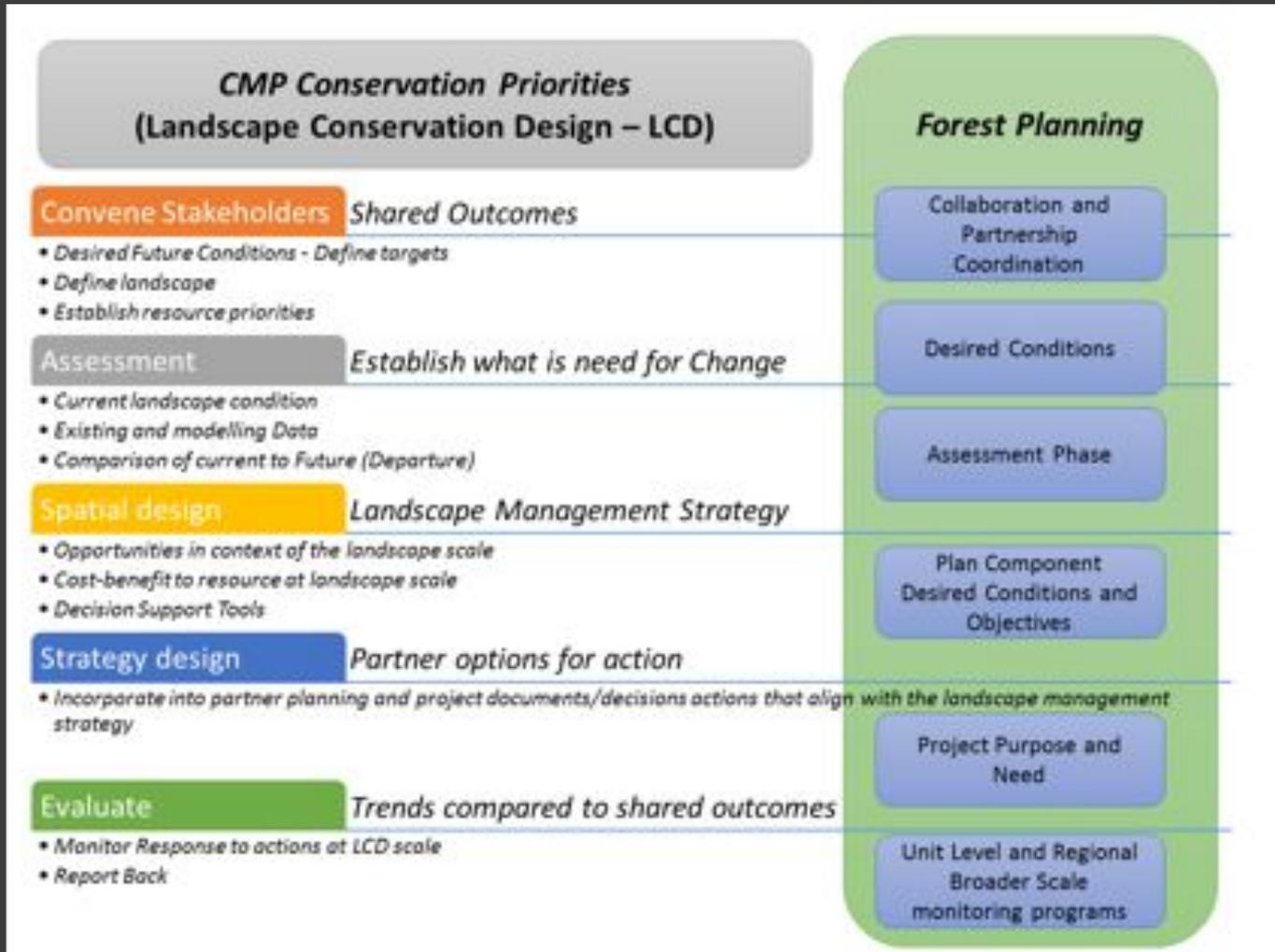
Deliver and Enhance



# Landscape Conservation Design: Characteristics

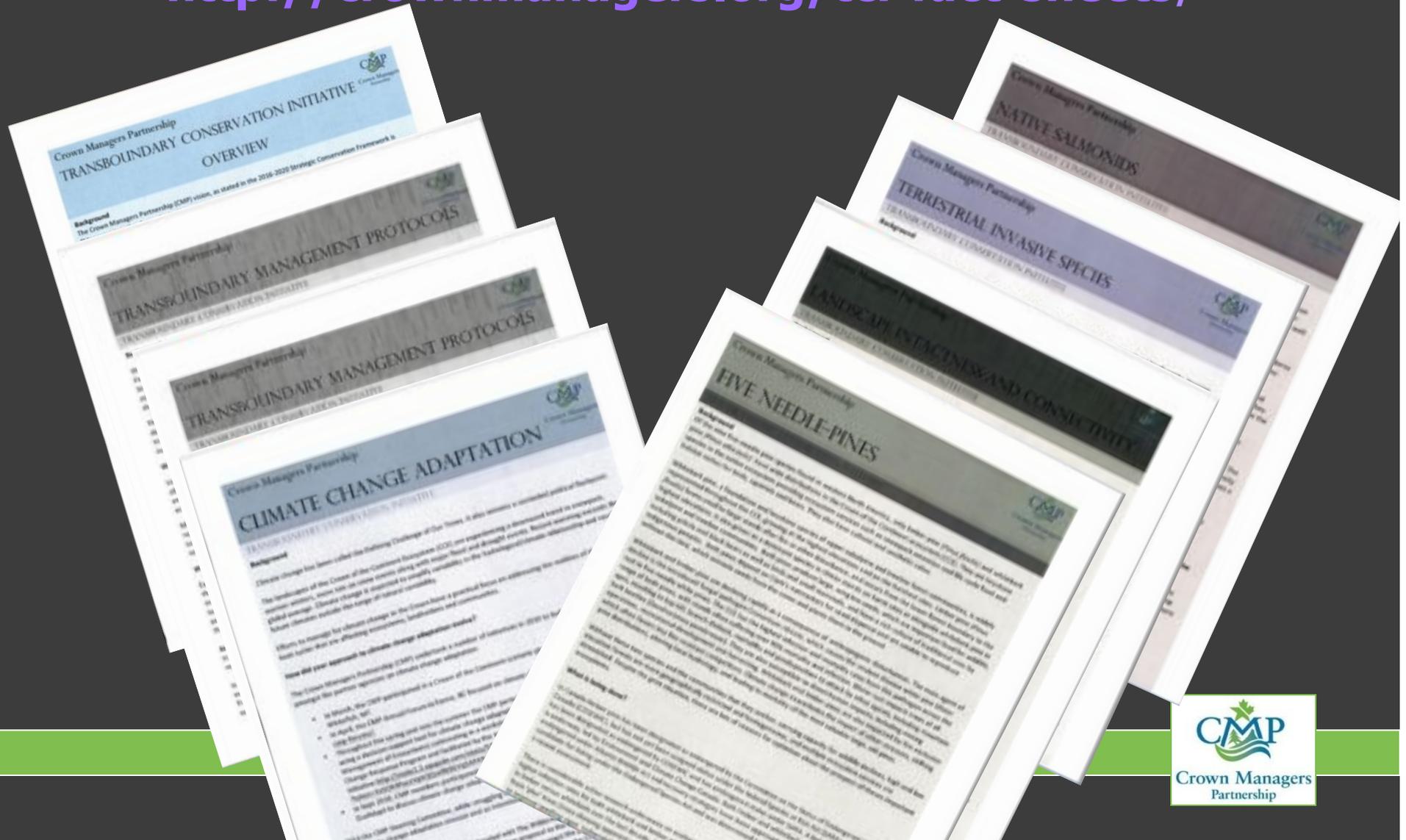
- **1:** Collaborative, multi-sector, partner-driven.
- **2:** Geographically-focused shared vision, goals and objectives.
- **3:** Holistic, system-level landscape perspective.
- **4:** Focus on identified conservation features.
- **5:** Spatially define desired future conditions.
- **6:** Assessment of current and projected future conditions.
- **7:** Develop strategies to achieve vision, goals and objectives.
- **8:** Iterative, adaptive approach that is evaluated.

# Agency Program Alignment



# TCI: Everything you wanted to know, but were afraid to ask...

<http://crownmanagers.org/tci-fact-sheets/>



# 2016 Highlights

- **AIS:** Pull the plug AB, Coutts inspections, Canyon Ferry and Tiber veligers;
- **Landscape Intactness/Connectivity:** Crowsnest fencing, BC Roadwatch app, Castle/SSRP planning, Peter Gurche, Hwy 2 prep;
- **Native salmonids:** Mulfeld pubs/SHEDS, AB FSI/SAR work, AB/BC genetic markers, GNP suppression and relocation;
- **Terrestrial Invasive Plants:** climate change analysis, resurvey practitioners;
- **Five Needle Pines:** March, CMP Forum and Workshop, Sept Workshop and WPEF Conf. Working Group: BMPs, Inventory and Monitoring, Recovery Strategy, Protected Areas, Fire Management, Comms.
- **Meso Carnivores:** U of M wolverine report, Cascadia connections.
- **Extension:** March - AEP/AF, Apr – Nat Forest Foundation Workshop, Sept World Conservation Congress, Nov - Region 1, Elsevier.



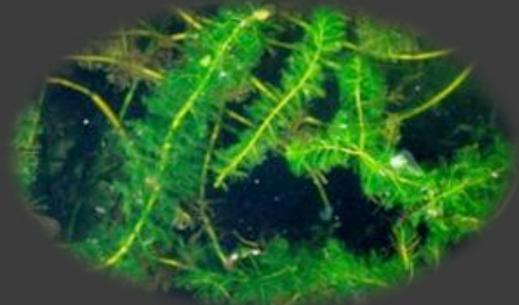
# 2017: Overall TCI Program

- *Capacity*: confirm resourcing (agency/grants) and contract capacity;
- *Outreach and Education*: develop and post TCI Story Map;
- *Outreach/Analysis*: develop interactive web-based mapping tool for TCI Crown data;
- *Monitoring and assessment*: Develop tracking, monitoring and reporting framework; and
- *Scientific Analysis*: develop seamless transboundary datasets, metadata, final maps and reports for each conservation priority.



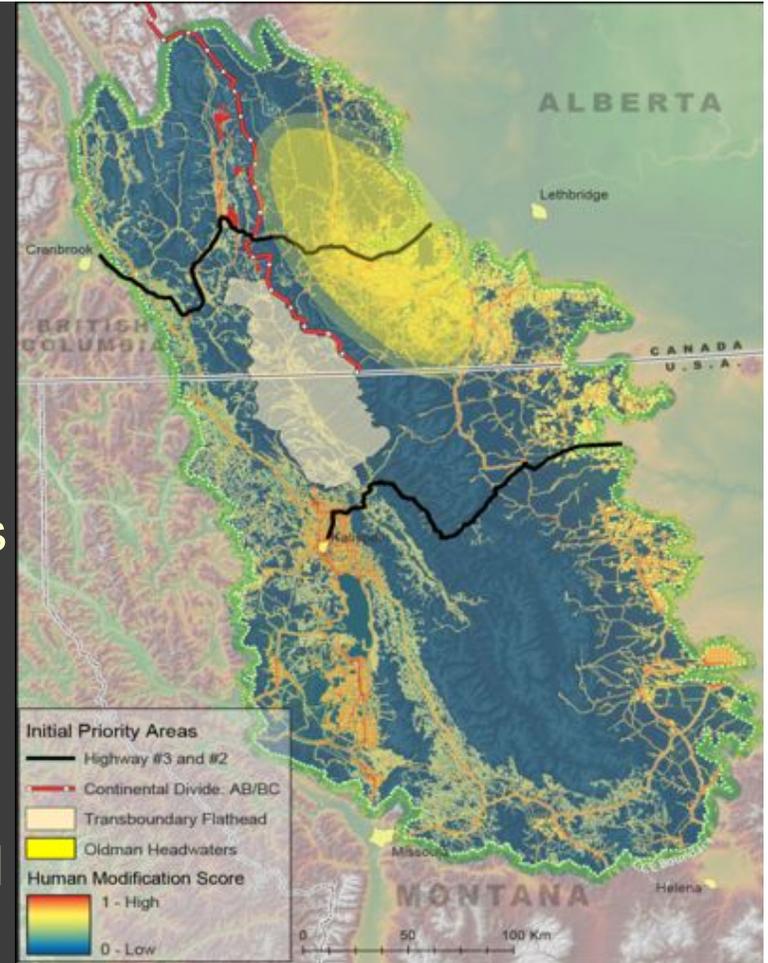
# 2017: Aquatic Invasive Species

- *TMP*: complete a Transboundary Management Protocol;
- *Rapid Response*: complete, including notification protocols;
- *Treatment*: determine options and protocols;
- *Inspections*: Assess potential for additional locations, longer hours and extended seasons;
- *Risk assessments*: at identified waterbodies and infrastructure sites;
- *Monitoring protocols*: reassess frequency and number; and
- *Community-based organizations*: strengthen involvement in messaging and education.



# 2017: Landscape Intactness and Connectivity

- *Hwy 3 in BC*: secure support;
- *Crown-wide analysis*: of all wildlife crossing efforts;
- *Hwy 2*: convene meeting of stakeholders to initiate planning for crossings;
- *New priorities*: identify crossing priorities on Hwys 93 and 89; and
- *AB/BC Divide*: develop and integrate a strategy amongst agencies, industry and NGOs to retain viable wildlife connectivity.



3 Rivers 1949 - 51

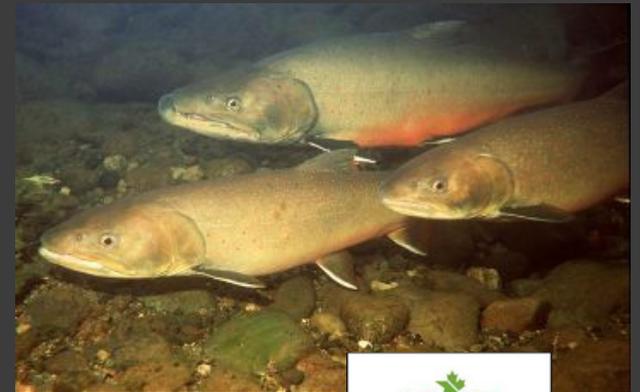


Oldman Dam 2013



# 2017: Native Salmonids

- *State of the science report*: adaptive management and tools for conservation;
- *Workshop*: Spring 2018. Assess status of current strategy, review new scientific analysis. Confirm spatially explicit priorities and partner delivery commitments; and
- *Crown-wide restoration strategy*: include annual action plan and partner restoration commitments.



# 2017: Terrestrial Invasive Species

- *Workshop*: Fall 2017. Convene leads and key partners to review latest information, recommendations arising from the first workshop and identify spatially-explicit priorities; and
- *Scientific analysis*: update occurrence models for 2016-17.



# 2017: Five Needle Pines

- **Crown BMP Report:** Spring 2017. Identify baseline data collection, avoidance, minimal impact, mitigation/restoration, and offset/compensation protocols for the Crown;
- **Workshop:** Spring 2017. Identify geospatial assessment criteria to evaluate landscape scale restoration needs;
- **Scientific analysis:** Summer-Winter 2017, geospatial analysis of current and future condition. Establish baseline data, inform monitoring, select spatially-explicit protection and restoration priorities;
- **Workshop:** Spring 2018. Review scientific analysis, confirm spatially-explicit priorities, identify partner delivery commitments; and
- **Report:** Fall 2018. Crown-wide restoration strategy with annual action plan and partner commitments.



# 2017: Meso Carnivores

- *Monitoring workshops*: continue coordination with workshops in the Crown and the GNLCC;
- *Workshop development*: explore with partners potential for scenario-planning connectivity/ snowpack/wildfire workshop;
- *Cascadia*: continue knowledge exchange, lessons learned and concept/model collaboration;
- *Working group*: work to convene a transboundary meso carnivore group in the CCE ; and
- *Current status*: identify and compile existing data on species distributions, state of the science, adaptive management and tools.



# CAP Choteau Retreat Feb 2017

## Recommendations:

- Retain Conservation Priorities Coordinator.
- Delivery phase – rigor/intentionality.
- Overall TCI: all stressors, iteration priority.
- Achievable intervention strategies.
- CAP/CMP integration.
- MT/AB MOU renewal.
- Better extension/socio-cultural relevance.
- TCI Partners' Workshop.





<http://crownmanagers.org/>  
<http://www.crownconservation.net/>  
<http://wilderness.org/>  
<http://greatnorthernlcc.org/>

**Thank-you**

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