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

Key Stressors
Invasives, Climate Change, Human Footprint

Strategies to achieve conservation outcomes

Strategies to Minimize impact
TCI Overview

Crown Managers Partnership Vision
Managing together for ecological integrity at a large landscape scale.

Transboundary Conservation Initiative

Management Outcomes
Measurable statements of desired future outcomes.

Landscape Priorities
Ecosystem elements that are a current CMP focus.

Stressors
Anthropogenic forces creating negative impacts on conservation priorities.

Conservation Priority Projects
Focused work designed to develop supporting analysis and information and management strategies to achieve measurable outcomes for landscape priorities and stressors.
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

CMP Conservation Priorities
(Landscape Conservation Design – LCD)

Convene Stakeholders
- Shared Outcomes
  - Desired Future Conditions - Define targets
  - Define landscape
  - Establish resource priorities

Assessment
- Establish what is need for Change
  - Current landscape condition
  - Existing and modelling Data
  - Comparison of current to Future (Departure)

Spatial design
- Landscape Management Strategy
  - Opportunities in context of the landscape scale
  - Cost-benefit to resource at landscape scale
  - Decision Support Tools

Strategy design
- Partner options for action
  - Incorporate into partner planning and project documents/decisions actions that align with the landscape management strategy

Evaluate
- Trends compared to shared outcomes
  - Monitor Response to actions at LCD scale
  - Report Back

Forest Planning
- Collaboration and Partnership Coordination
- Desired Conditions
- Assessment Phase
- Plan Component Desired Conditions and Objectives
- Project Purpose and Need
- Unit Level and Regional Broader Scale monitoring programs
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.
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
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.
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.
Thank-you

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