

Coastal Douglas Fir Zone Workshop

Monday, March 1, 2010

Silver Bridge Inn, 140 Trans Canada Highway, Duncan



Image courtesy Bear Bay Stewardship Alliance http://www.bearbay.ca/index.php/bearbay/photograph/64/

Coastal Douglas Fir Zone Workshop



Monday, March 1, 2010 10:00 am to 4:00 pm Silver Bridge Inn, 140 Trans Canada Highway, Duncan Hosted by the BC Ministry of Environment

Agenda

9:30 – 10:00 am Refreshments and registration

10:00 am Welcome and introductions (Judith Cullington, Facilitator)

Purpose of workshop (Mary Jo Hamey, Ministry of Environment)

10:15 am - noon Presentations:

The need for CDF conservation (Andy McKinnon, Research Ecologist, Ministry of Forests and

Range)

Provincial legislation initiatives for CDF protection on Crown forest land:

Old Growth Management Areas (Ron Cotton, Land and Resource Specialist, Ministry of Forests and Range)

Wildlife Habitat Areas (Ron Diederichs, Ecosystems Section, Ministry of Environment)

The provincial government's CDF Land Use Order on Crown land (Bill Zinovich, Land and Resource Specialist, Ministry of Forests and Range)

International Vegetation Classification Correlation (Carmen Cadrin, Program Ecologist, Conservation Data Centre)

12:00 – 12:45 pm Lunch (provided)

12:45 – 1:45 pm Presentations (cont'd):

Nature Conservancy of Canada's Salish Sea Conservation Plan (Pierre lachetti, NCC Director of

Conservation Science & Planning)

Wildlife Tree Stewardship Program on East Vancouver Island (Ian Moul, BC WiTS Coordinator and

Vancouver Island Coordinator)

One local government approach: The Cowichan Valley Regional District's State of Environment

Report (Kate Miller, Manager, Regional Environmental Policy, Cowichan Valley Regional District)

1:45 – 3:15 pm Small group discussions: Issues and Solutions

Discussion: What challenges are workshop participants having in conserving the CDF? How

can we work together better?

3:15 – 4:00 pm Report out and discussion of next steps

Workshop Notes

Purpose of Workshop

Unlike other areas of British Columbia, the land base of the Coastal Douglas-fir (CDF) is 90% private land. The pressure on the naturally functioning ecosystems is extreme, with land in demand for logging, housing and farming.

The purpose of workshop was to hear about some of the initiatives being undertaken to conserve the CDF and to open a discussion on a CDF conservation strategy. The request for this workshop arose from a multi-ministry initiative of the provincial government to foster shared stewardship for the CDF.

Workshop participants included private forest land and woodlot owners and managers, professional foresters and biologists working in the CDF, staff from local and senior governments, conservation and land trust organizations, and other stakeholders.

Summary of Presentations

The speakers' PowerPoint presentations are included as an attachment.

- Andy MacKinnon defined the CDF and presented the facts pointing to the need for additional CDF conservation;
- The provisions for CDF protection in Forest and Range Practices Act were explained by **Ron Cotton** (Old Growth Management Areas) and **Ron Diederichs** (Wildlife Habitat Areas);
- Bill Zinovich spoke about the Land Use Order for the CDF;
- Carmen Cadrin explained how the global ranking for ecosystems is determined;
- Ian Moul gave a summary of BC Nature's Wildlife Tree program;
- Pierre lachetti presented the Nature Conservancy of Canada's Salish Sea Conservation Area Plan; and
- Kate Miller spoke about the role of local governments in protecting CDF.

Summary of Discussion

Participants broke into small groups to discuss: Were you aware of the plight of the CDF before the workshop? How can we address the problem? What are the barriers and how do we measure success?

Local Government Group

- Most people were aware of CDF issues, some increase in knowledge
- Reduced taxes for conservation covenants, conservation organizations, e.g., NAPTEP (Natural Areas Protection Taxation Exemption Program)
- Parkland acquisition: Choose ecological attributes (identify what's there)
- Consider trails or no trails
- Partnerships private/public
- Create community support
- Fundraising
- Park management fire management/conservation of coarse woody debris/trail safety/risk management
- Local Government can access a pool of biologists
- Role of the OCP zoning; other land use policies
- Private Forest Land Management-- Urban Forestry Plans—subject to audit, reporting requirement, downzone these lands prior to sale of land.

- Oriented to all forest types—connectivity—restorative development—daylighting creeks—Tree Protection Bylaws; bylaw enforcement
- Sales of Forest Land—conservation percentages and identification of most valuable ecosystems
- Use of Terrestrial Ecosystem Mapping; inventories
- Protection of Riparian Zones
- Soft Policies to Protect—Buffers, Development Permit Areas
- Identify Growth Areas—Density—Urban Containment
- ALR
- 5-10 acre minimums
- Eagle Tree/heron tree designated areas
- Hydrology and water/stormwater management
- · Good communication with council and staff

Measures of Success

- Better bylaws, better Official Community Plan
- Using best baseline data and mapping—SEI, TEM, local knowledge, aquifers
- Work to achieve buy-in from all parties
- Adopt the ecological target for ecosystem health from the Rachel Holt Report—30% old and mature forest needed in the CDF.
- Communicate with senior managers
- Using Salish Sea Plan

Crown and Private Land Forest Managers

- Have we formulated what a successful strategy would look like?
- What are the broad objectives?
- Goals—not to have more species red-listed, recover those that are now listed
- There is not enough Crown land for normal conservation measures to protect the CDF
- Identify broad ecosystem function as an objective then give land use limits to achieve
- Consider Models that have worked—Conservation Easements in the Willamette Valley, selling conservation credits that are taxation related.
- Garry oak recovery strategy—there may be a similar opportunity for the CDF
- Funding to defray the costs of converting land to a conservation status—Savory Island model of Quinn Family
 Trust
- Money to acquire land is the key
- Large private forest land—real estate sales require a certain portion dedicated to conservation or parkland (5 50%? In some places)
- Not a lot of time is left before action is needed to capture stands to build mature and old.
- Capital Region Parkland Acquisition Levy is a good model—The Parkland Acquisition Fund has acquired 2500 ha (Sooke Hills Park) by levying a \$10 tax every year per household.
- 90 acres acquired by CVRD by Federal Ecological Gifting program
- TimberWest's experience creating parkland in Englishman River—too much administrative effort required.
- Section 99—under the Land Act, disposition of land and its transfer, too complicated, and with liability issues Occupiers Liability Act of BC
- Private Forest conservation plans
- Habitat set asides (non-legal), once they are designated through certification—Sustainable Forestry Initiative
 (SFI) they would be legal

- Don't want to have covenants because they retain liabilities
- Re-zoning changes (sale of forest land for development) in exchange for conservation land.
- possibility of NCC and private forest companies working together
- Existing riparian areas—50 m wide and 2 km long might be the starting point in adding private forest land to other lands in a CDF conservation strategy.
- What would it take to break down confidentiality barriers of what private landowners are protecting through certification (SFI) and adding data to a CDF strategy?

Measure of Success

- SFI Certification areas identified.
- Forestry practitioners identifying their Biodiversity Index—how much area are they keeping in old and mature in CDF and CWHxm1?
- Storing data of conservation contributions in a common data base (Salish Sea? Regional Districts?)
- Setting a target maximum of the amount of forest land that will be converted to development by forest companies is another measure (like the Marbled Murrelet target set by the recovery team that caps the maximum amount of habitat loss that can be tolerated measured from the amount of habitat recorded in 2002). The number of species or ecosystems that come off the list or are added is another measure.
- Need an NCC Salish Sea Conservation Plan approach—both the CDF and the CWHxm1 ecosystems need measures of success.

Consultants

- Generally aware but with existing legislation, how to protect?
- There are multiple land use issues/interests
- There is a need to provide incentives to private landowners. Landowners have multiple goals, so need to educate them and consultants.
- In private forest land need incentive for sustainability—avoid regulatory-based options
- Potential opportunities will increase for carbon offsets, economic values in leaving functioning systems.
- Need to educate landowners and consultants about the need for Old Growth and mature forest in the CDF.
- Need easier format developed to explain incentives, benefits and challenges. The lack of a regulatory base requires clear incentives to motivate.
- Need demonstration of opportunities and success stories to explain the restoration of ecosystem services.
- It needs to be easier to trade land (acquisition swapping) to acquire highest value land for conservation.
- Comprehensive Development Permit package from local government.
- Barriers—lengthy process, money, costs and property values, difficulty accessing information, e.g. covenant
 incentives. Fear of outcomes, encumbrances, liabilities, generational or cultural perceptions/language and
 threats to rights of private ownership.
- Lack of valuation of ecosystem goods and services and lack of understanding of the value of ecosystem goods and services.
- Overlapping jurisdictions e.g., Right to Farm vs. Local Government Act
- Lack of political will
- Success?—creative methods for sustainable harvesting; clients understand the impacts of their actions

Land Trust Groups

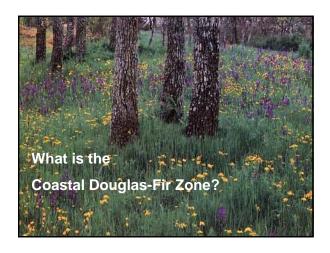
- The public is not aware of the problem or the options for solutions
- Strategies and plans —how to make politicians approve adequate measures
- Tax issues—need money to keep trees on the land

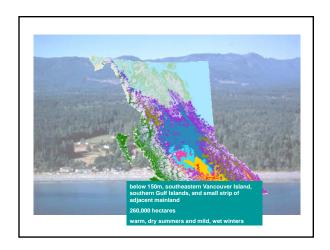
- Opportunities—educate the young
- Get active in forest certification (FSC, SFI)
- Taxes, carbon offsets
- · Raising the bar
- Barriers Archaic bylaws
- No money for monitoring

Suggested Next Steps

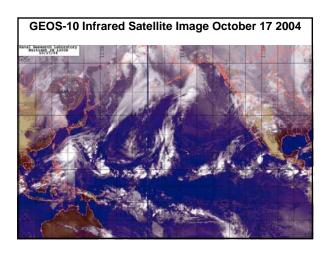
- 1. Establish a network/ link/secretariat/umbrella organization. Continue to build on the workshop to make a network to share information/expertise, and collaborate, and generate funds. Learn from success stories such as East Kootenay Conservation Program, and Garry Oak Ecosystems Recovery Team (GOERT). Create a multi-agency/multi-representative committee to develop a Conservation Strategy that applies to all of the CDF and decision-makers including land-owners, forestry people, all 3 levels of government, conservation organizations, consultants, etc.
- 2. Link the CDF to other initiatives that overlap: Species at Risk, Conservation Framework of Ministry of Environment, Invasive Plant strategies.
- 3. Raise the profile of the CDF through media coverage, talking about the CDF more often, asking questions about forest certification in the CDF.
- 4. Raise the awareness of other endangered ecosystems that are equally as depleted as the CDF, particularly CWHxm1 (coastal western hemlock very dry maritime zone) just upland from the CDF.
- 5. Ask the provincial government to send out letters explaining the issue, advocating stewardship.
- 6. Water Act Modernization—ask it to address watersheds, including healthy ecosystems.
- 7. Share information with First Nations, as important landowners in the shared stewardship process.







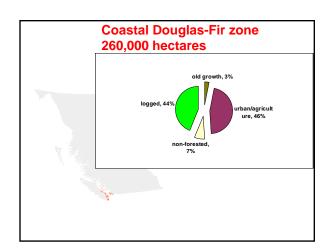






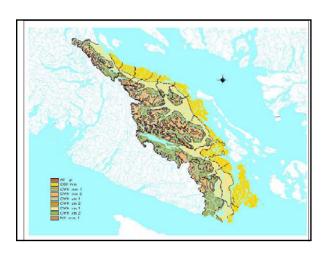


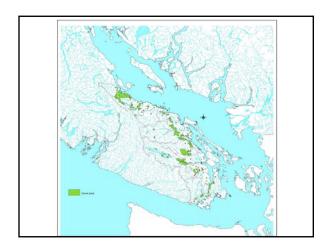


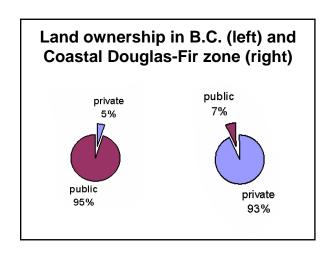


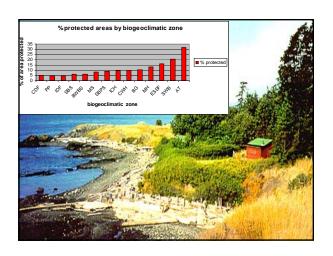






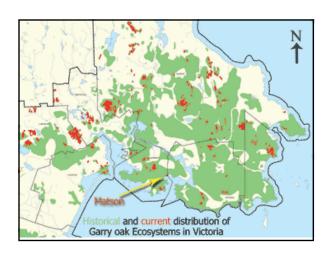


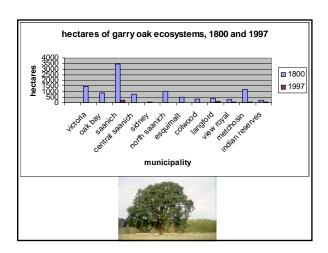




Protected Area of CDF

Provincial – 116.6 km2 Regional District (CRD) - 23.9 km2 Gulf Islands National Park - 28.3 km2





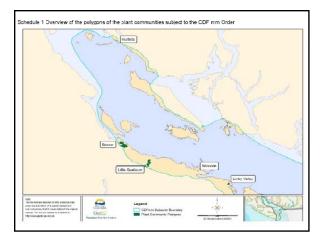
Species & Ecosystems at Risk in the CDF

- ➤127 Plants (29 COSEWIC listed, 26 SARA listed)
- ➤81 Animals (36 COSEWIC listed, 31 SARA listed)
- ➤ 36 Ecological Communities

What's required?

- · More conservation areas
- Better management practices for motivated landowners/managers
- Education

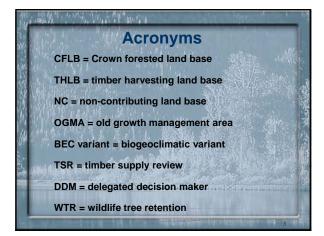




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Planning for Old Growth Retention

Steps

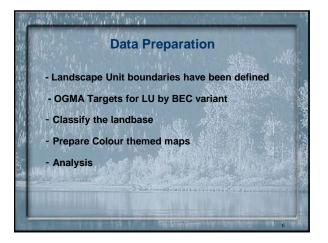
Step 1: Identify and classify Crown forested landbase

Step 2: Prepare OGMA targets

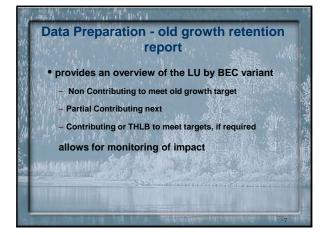
Step 3: Delineate Draft OGMAs

Step 4: Mitigate timber supply impact

Step 5: Advertise



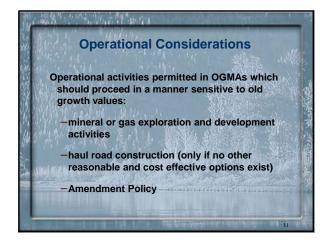
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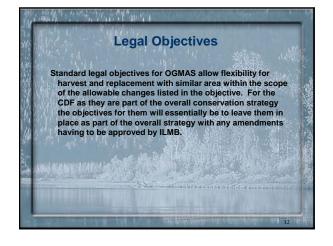


STEP 3: Delineate draft OGMAs Information required: - OGMA Targets report - colour themed maps (from Data Preparation process) - relevant higher level plan direction (e.g. RMZ objectives) - Any other values e.g. Cultural heritage info - approved operational plans - air photos, ortho-photos, satellite images

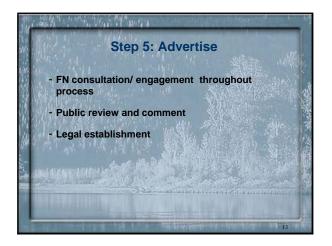
Biological considerations Review "old" or the oldest available stands first Primary biological considerations (core values): - size (interior/no interior habitat) - connectivity - species composition - representation/rare ecosystems

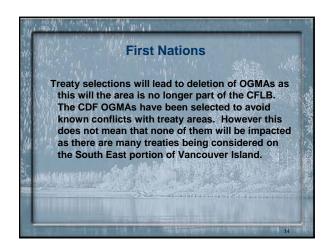






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Wildlife Habitat Areas

- Wildlife Habitat Areas (WHAs) are spatially defined land designations that protect important habitat for species and ecosystems at risk on crown land
- Establishment of WHAs is a Ministry of Environment authority under the Forest and Range Practices Act (FRPA)
- WHAs are established through the *Government Action Regulation (GAR)* after significant collaboration and consultation with affected stakeholders
- Planning thresholds (land budgets) for WHAs are defined and utilized within each forest district

Coastal Douglas Fir (CDF) WHAs

- Establishing WHAs is one part of a CDF Conservation Strategy
- Two CDF plant communities listed as *Identified Wildlife* under *FRPA*:
 - Douglas Fir / Oregon-grape
 - Douglas Fir / Alaska Oniongrass

Schooner Cove

- 22 ha WHA
- Established 2002
- Protects CDF/ Garry Oak / Alaska Oniongrass plant community
- Only CDF WHA to date



CDF WHA Planning

- •WHA planning is a collaborative effort between MOE, MOFR and forestry licensees
- CDF WHA planning will proceed after CDF Land Use Objective

CDF WHA Planning

- CDF plant communities are associated with CDF Site Series (moisture & nutrient conditions)
- MOE biologists are analyzing Terrestrial Ecosystem Mapping (TEM) data to identify areas with associated Site Series.
 - GIS Analysis of TEM is complicated due to the mosaic nature of CDF ecosystem
- Ground-truthing of areas will be required

CDF WHAs

- For additional information or to become involved please contact:
 - Darryn McConkey
 - MOE Ecosystem Biologist
 - <u>Darryn.McConkey@gov.bc.ca</u>
 - •(250) 751-3104

Land Use Objectives

Legal Context

- In 2003, the Land Act was amended (Land Amendment Act 20032) to provide the Minister of Agriculture and Lands with the authority to establish legal land use objectives (LUO) under section 93.4.
- The Land Use Objectives Regulation (LUOR), under the Land Act, authorizes the Minister to establish legal land use objectives for the purposes of the Forest and Range Practices Act (FRPA).
- Land use objectives only have legal effect within FRPA, and are recognized as the highest order of objectives within this legislative framework.

Content requirements of an order

- The content requirements of an order are addressed in s. 6 (1) of the LUOR and are as follows.
- A section 93.4 order that establishes or amends a land use objective must be in writing and must specify all of the following:
- (a) the land use objective;
- (b) the geographic location to which the land use objective applies, including a map showing the location of the area to which the land use objective applies;
- (c) the date on which the land use objective is to take effect if that date is different than the date the order is published in the Gazette;
- (d) the period that is to apply under s. 8(2)(b) of FRPA if the period is other than 2 years;
- (e) if section 16(2) of FRPA will be disapplied.

Tests for Decision Makers

 The Land Use Objectives Regulation specifies several criteria that the minister must consider or must be satisfied before a LUO may be establish or significantly amended.

Tests for Decision Makers

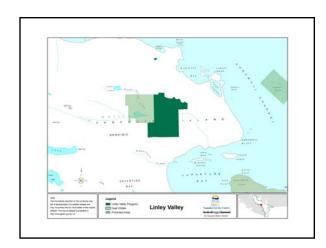
- 1. Consider Land Use Plan or Relevant Information
- 2. Add Value
- 3. Specify Conflicts
- 4. Provide Balance
- 5. Importance Outweighs Adverse Impacts
- 6. Consider Comments

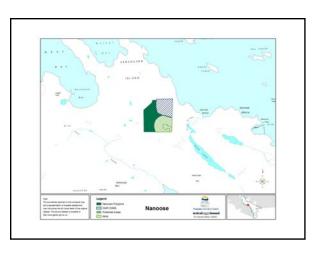
Consultation with holders of Forest Stewardship Plans

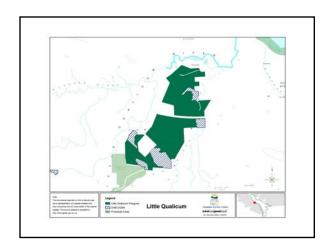
- For non-urgent orders, s. 3 (4) of the LUOR states that an
 official of the ministry must consult with the holder of a
 forest stewardship plan, woodlot license plan, range use
 plan or range stewardship plan if the following two
 conditions are met:
- 1. the proposed land use objective or amendment as proposed would have a material adverse impact on the holder10, in relation to any:
- a. intended result or strategy specified in the plan, or
- b. matters specified in their plan;
- 2. the holder gives written notice to the minister within the specified period referred to section 3(2)(e), requesting the consultation and stating the material adverse impact.

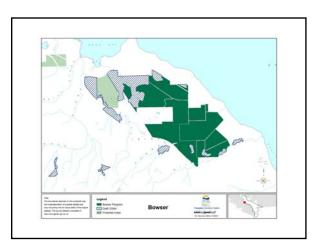






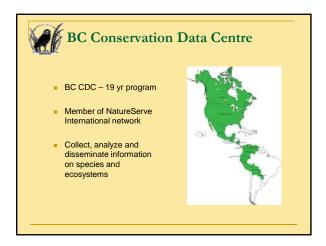








International Ecosystem Classification & Globally Significant Ecosystems





Conservation Status Assessment

Conservation Status Assessment = Assessment of Risk of Loss (Extinction)

- 1 Critically Imperiled
- 2 Imperiled
- 3 Special Concern
- 4 Apparently Secure
- 5 Secure

Global, National, Subnational (G, N, S)



Conservation Status: Rarity Factors

- Rarity:
 - Range
 - Area of Occupancy
 - # of Occurrences
 - Percent of Area of Occupancy or # of Occurrences with Good Ecological Integrity
 - Environmental Specificity



Conservation Status: Risk Factors

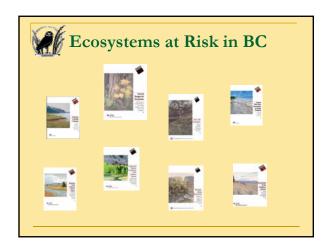
- Threats:
 - □ Threat Impact (direct & indirect);
 - Intrinsic Vulnerability
- Trends:
- □ Short term (~30-40 years);
- Long term (~150 years)

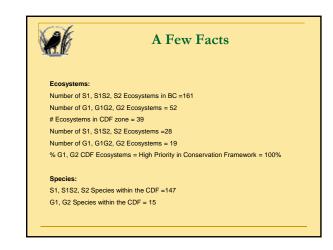




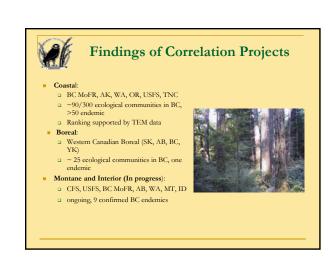
Other Relevant Information

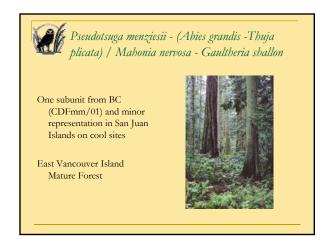
- Other Information for consideration:
 - •area with adequate protection;
 - •critical habitat for imperiled and critically imperiled species;
 - •biodiversity representation;
 - *geologic and hydro-geomorphological representation;
 - climate change vulnerability

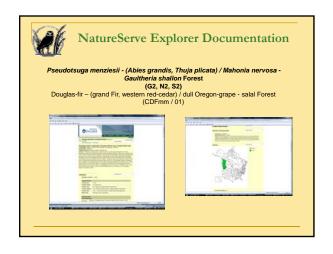




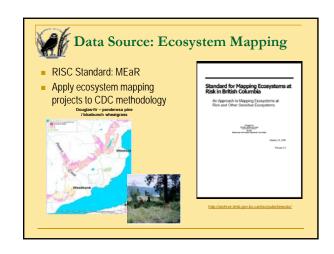


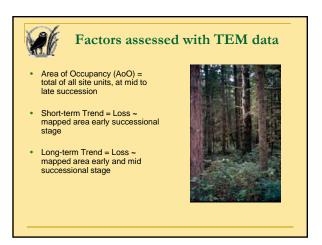


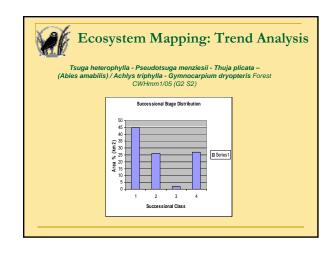


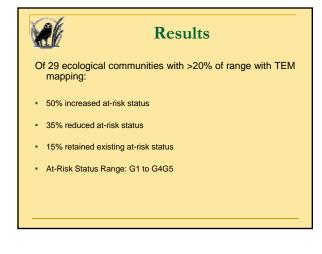


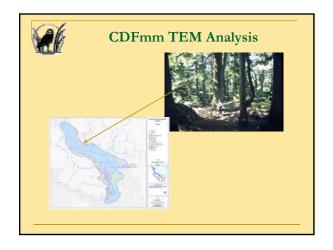


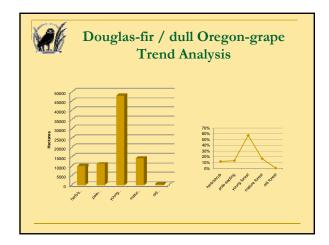


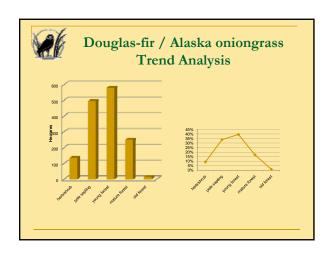


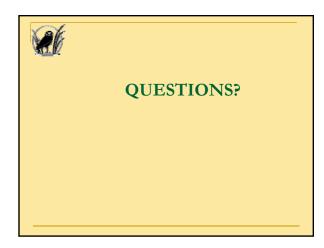






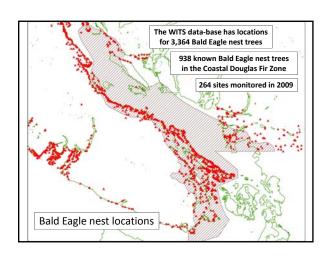


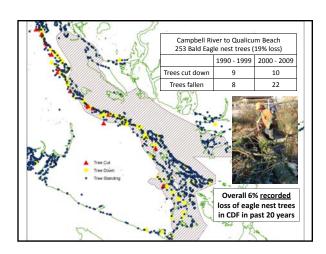


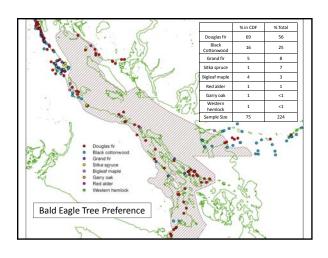


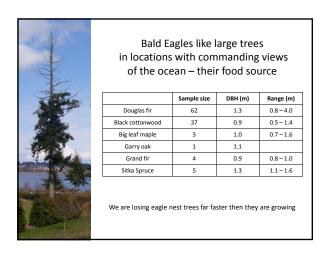
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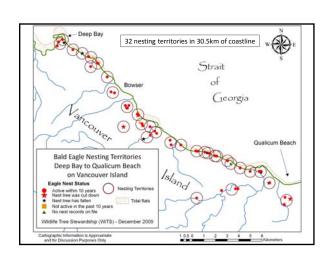




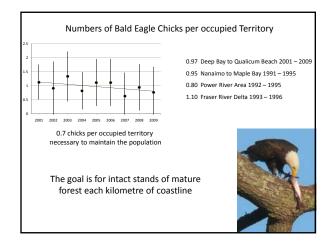


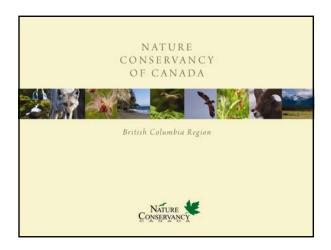






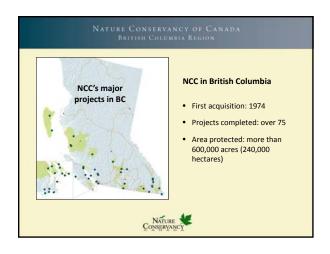
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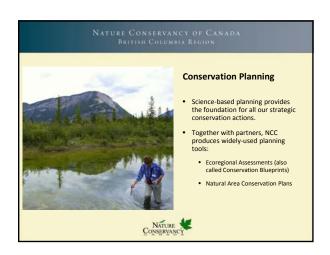


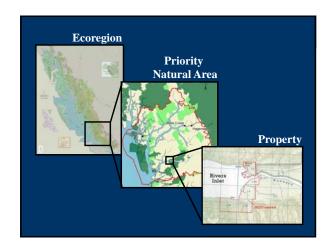










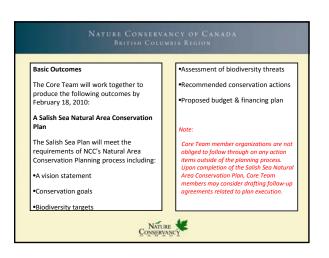


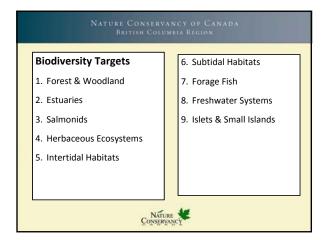


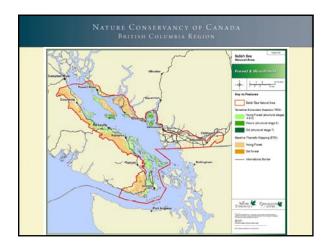




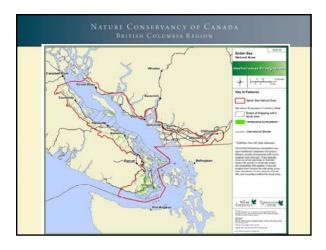
Salish Sea Natural Area Conservation **Core Team Composition** Plan Core Team Terms of Reference Entities represented on the Core Team to date are: Nature Conservancy of Canada (NCC), Islands Purpose Trust Fund (ITF), BC Ministry of Environment (MoE), BC Ministry of Forests and Range (MFR), Parks Canada - Gulf Islands National Park Produce a NACP that identifies the most important places for biodiversity conservation within the Salish Sea. The Salish Sea NACP will be designed so other Reserve (GINPR) and The Nature agencies, governments, and Trust of BC (TNT). organizations can use it as a resource to inform decision-making. NATURE CONSERVANCY



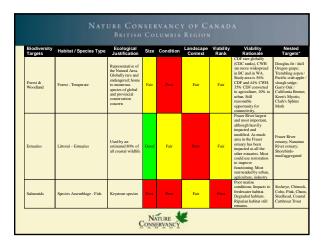


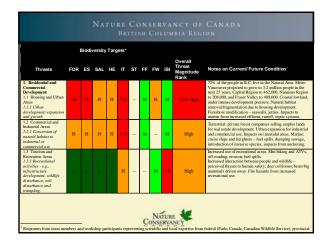


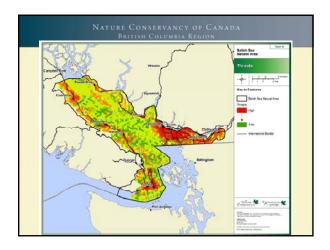


















Miller CDF Workshop March 1, 2010









