

A scenic landscape photograph of a mountain range. In the foreground, there are evergreen trees and a field of autumn-colored shrubs. A lake is visible in the middle ground, surrounded by a dense forest. The background features a range of rugged mountains under a clear blue sky.

Evolution of the Type 4 Silviculture Strategy

LBIS / FFT Planning and Delivery Workshop

Paul Rehsler

September 2014

Outline

- What is a Type 4 Strategy? – A quick review
- From strategic planning to operation planning
- Integrated Resource Management Planning

A group effort

Type 4 Deliverables

Situational Analysis

Data Package

Modeling and Analysis Report

Integrated Resource
Management Plan

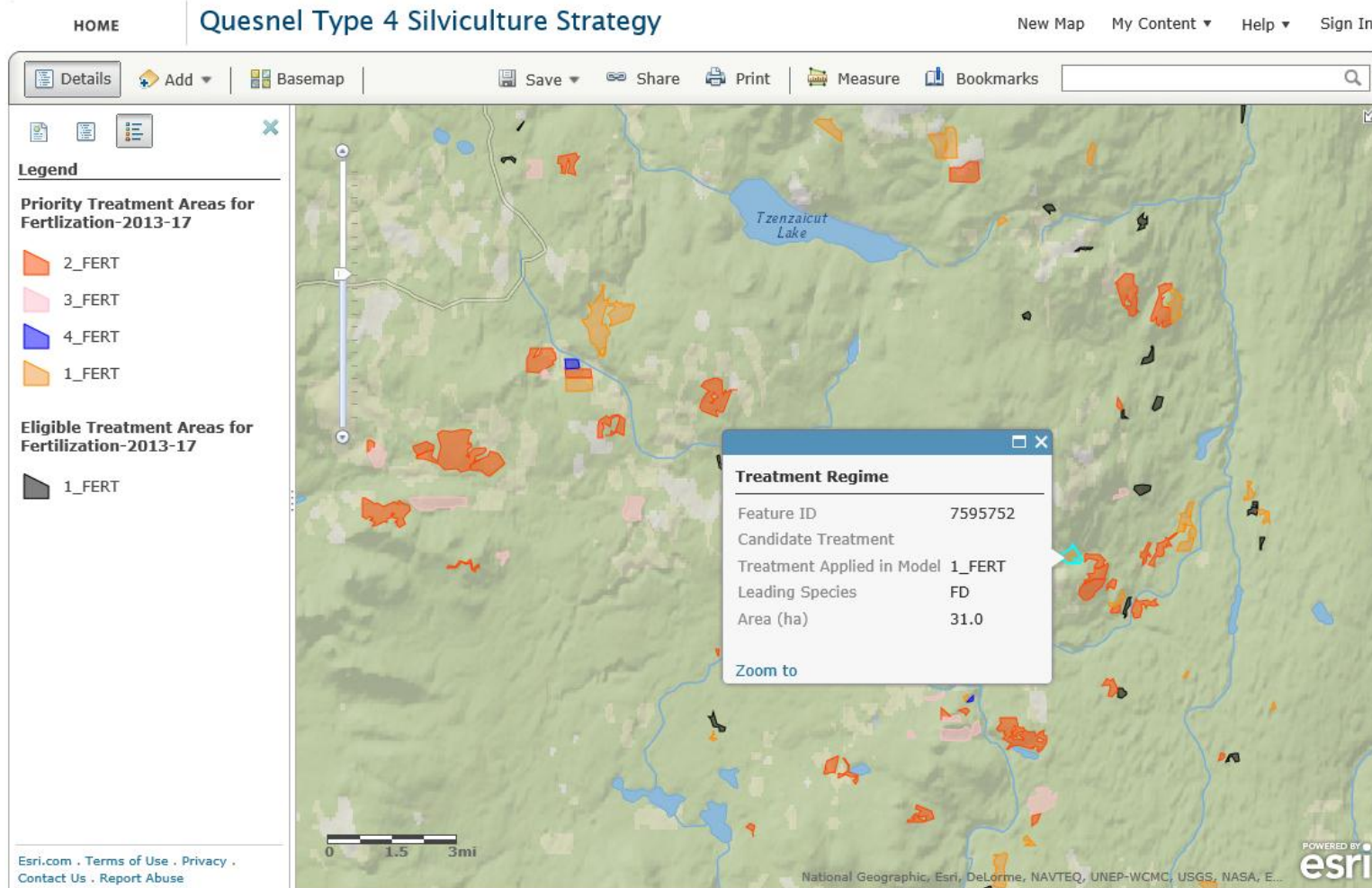
Acknowledgements

The authors would like to acknowledge and thank the following individuals who completed this project:

Michelle Archard, Resource Manager, BC MPUMRO (Williams Lake)
Bryce Bancroft, Symmetrise (Victoria)
Tim Barker, Product Manager, BC MPUMRO (Queensell)
Allan Bennett, Forestry Supervisor / TFL Forester, Matt Fraser (Saanich)
Rob Brockley, Research Silviculturist (Ketchikan)
Cam Brown, Manager Forest Planning and Analysis, ForSite (Salmon Arm)
Patrick Bryant, Strategic Planning Forester, ForSite (Salmon Arm)
Dale Bullock, Technical Officer, BC MPUMRO (Queensell)
Rob Cochran, TFL Silviculture Forester, West Fraser (Queensell)
Lauri Corne, Resource Manager, BC MPUMRO (Queensell)
Sean Curry, Strategic Planning Forester, ForSite (Kamloops)
Nola Daniels, Regional Silviculture Specialist, BC MPUMRO (Williams Lake)
Vincent Day, Planning Coordinator, Canfor (Prince George)
Steve Dodge, District Manager, BC MPUMRO (Queensell)
Kirsta Dunlop, Resource Manager, BC MPUMRO (Queensell)
Chris Eider, Forester, Porcupine Design (Queensell)
Curtis Fenton, Forester, CSC Wood Products (Queensell)
Paul Galasso, Operations Forester, Niska Logging (Queensell)
Jerome Haffey, Forest Analyst, ForSite (Salmon Arm)
Tom Haffey, Woodlands Manager, Tollo (Williams Lake)
Brian Inwood, Operations Coordinator, Canfor (Queensell)
Bryce Jakubec, Senior Planning Forester, Tollo (Williams Lake)
Matt LeMay, Forest Management Analyst, BC MPUMRO (Victoria)
Mandy Locke, Forest Investment Specialist, BC MPUMRO (Victoria)
Rob Merka, Woodlands Supervisor, BC MPUMRO (Queensell)
Simon Morris-Morris, Forest Analyst, ForSite (Salmon Arm)
Gordon Neisner, Timber Supply Forester, BC MPUMRO (Squamish)
Kelly O'Shaughnessy, Fire Management Planning Forester, BC MPUMRO (Victoria)
Michael Pelchat, Stewardship Officer, BC MPUMRO (Queensell)
Susan Pelletier, Senior Licensed Compliance and Enforcement Officer, BC MPUMRO (Saanich)
Brad Powell, Stewardship Forester, BC MPUMRO (Queensell)
Paul Reicher, Silviculture Reporting and Strategic Planning Officer, BC MPUMRO (Victoria)
John Rex, Hydrologist - Onwaka & RE, BC MPUMRO (Prince George)
Neil Scott (Victoria)
Stephanie Swyft, Data Analyst, ForSite (Salmon Arm)
Neil Spence, Forestry Supervisor, Canfor (Prince George)
Brendy Spolansky, Senior Planner, ForSite (Salmon Arm)
Julie Steacie, Wildlife Biologist, BC MPUMRO (Williams Lake)
Jen Throuser, Saplings Data Services (Kamloops)
Meh-Ching Tsoi (Boulevard)
Ryan Swift, Silviculture Forester, Canfor (Grand Forks)
Pati Windsor, Decision Tree Forestry (Boswell)
Ralph Winter, Stand Management Officer & Data Coordinator, BC MPUMRO (Victoria)
Xiaoping Yuan, Team Lead Remote Sensing & Geospatial Applications, BC MPUMRO (Victoria)
Rob Zieba, Symmetrise (Victoria)

Deliverables

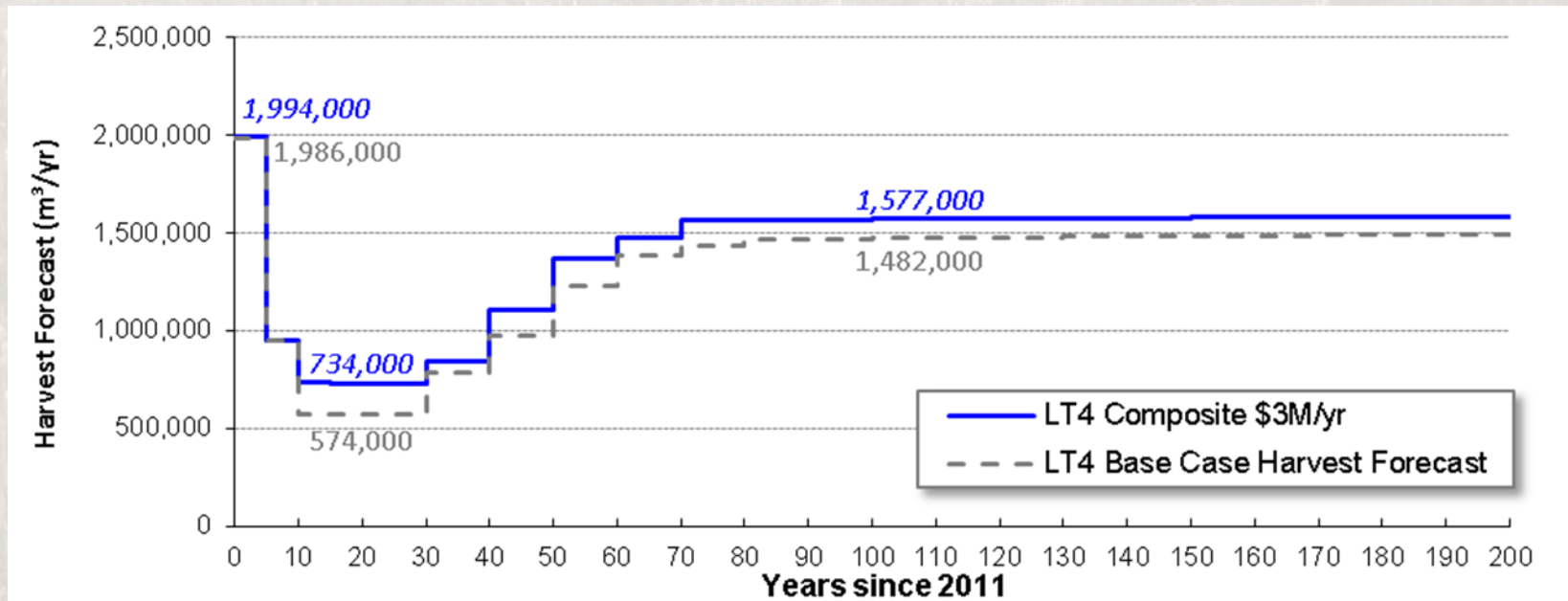
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From Silviculture Strategy to AOP

Strategies - each treatment is analysed individually in the Modelling and Analysis phase

Preferred scenario - the optimal combination of the identified treatments for a given budget level



From Silviculture Strategy to AOP

Eligible Stands identified - based on FFT treatment criteria; can add priority ranking

**Treatment blocks identified - based on operational criteria: Access, size of project, inside/outside WUI?
fine tuned treatment criteria**

Tactical plan – scheduled blocks generated by the model

But other factors must also be considered when preparing the operational plan.

From Silviculture Strategy to AOP

Translate actual budget to area

- **Annual budget \neq Type 4 budget**
- **Calculate target areas based on unit costs**

Consider treatment risk

- **Time before harvesting**
- **Fire, pests, First Nations title claims**

Consider related plans and strategies

- **How do treatments align with...**
forest health strategies, ecosystem restoration plans, wildfire management plans, other plans

From Silviculture Strategy to AOP

Verify data

- **Is new or better data available?**
- **Ownership changes, OGMAs, WHAs, etc.**
- **Assess efficacy of similar treatments in the area**

Identify candidate stands

- **Include other eligible stands, develop logical treatment areas**
- **Some stands not considered based on inaccurate forest level data**

Assess candidate stands in the field

- **Consider timing issues, road access**
- **Track assessments and record outcomes for areas already assessed**

From Silviculture Strategy to AOP

The tactical plan is developed using a model, it provides guidance to silviculture practitioners

Spatial data used is typically forest level inventories

Limited use for stand level planning, guides planners to areas where more detailed field work can be done to assess potential treatment opportunities

Documenting the operational criteria and tracking how these are implemented, will assist future modelling by adding new constraints to future strategies

The evolution of the Type 4 Silviculture Strategy

Minister direction - Type 4s a starting point

2013 FLNRO Minister Steve Thomson in Hansard,
1st Session, 40th Parliament, Tuesday, July 9, 2013
afternoon

“As the member pointed out, in a number of reports around the integrated approach to landscape level or strategic tactical planning, many of the elements are being currently implemented through such initiatives as the Type 4 silviculture strategies. We have got those underway in Quesnel, Prince George, Lakes, Morice and the Williams Lake TSAs.”



Steve Thompson
Minister FLNRO

Initial Direction for the IRMP...(2010-2011)



- To build on IFPA successful structure. New model will be eventually be available across all timber supply units

- to transition to new area based model by 2015

"Each ministry was making 'silo' decisions based on the nature of the business they were in."

- "Having a single natural-resource-operations ministry **allows you to integrate** those decision far more effectively and make them in a way that respects other industries."



- Corporate direction promoted SFM planning

A provincial IRMP process

Operationalizes Components of One Land Manager, IDM, NRPP...It:

- Provides a midterm timber supply implementation plan.
- Builds on and integrates strategies, plans and frameworks.
- **Addresses issues and provides direction for the implementation and coordination for the range of values and initiatives – e.g. Common Objectives Project, Cumulative Effects Framework, SAR 5 Year plan**
- Guides operations and investments across the landscape.
- Provides for continuous improvement.
- Provides an effective framework for Professional Reliance.

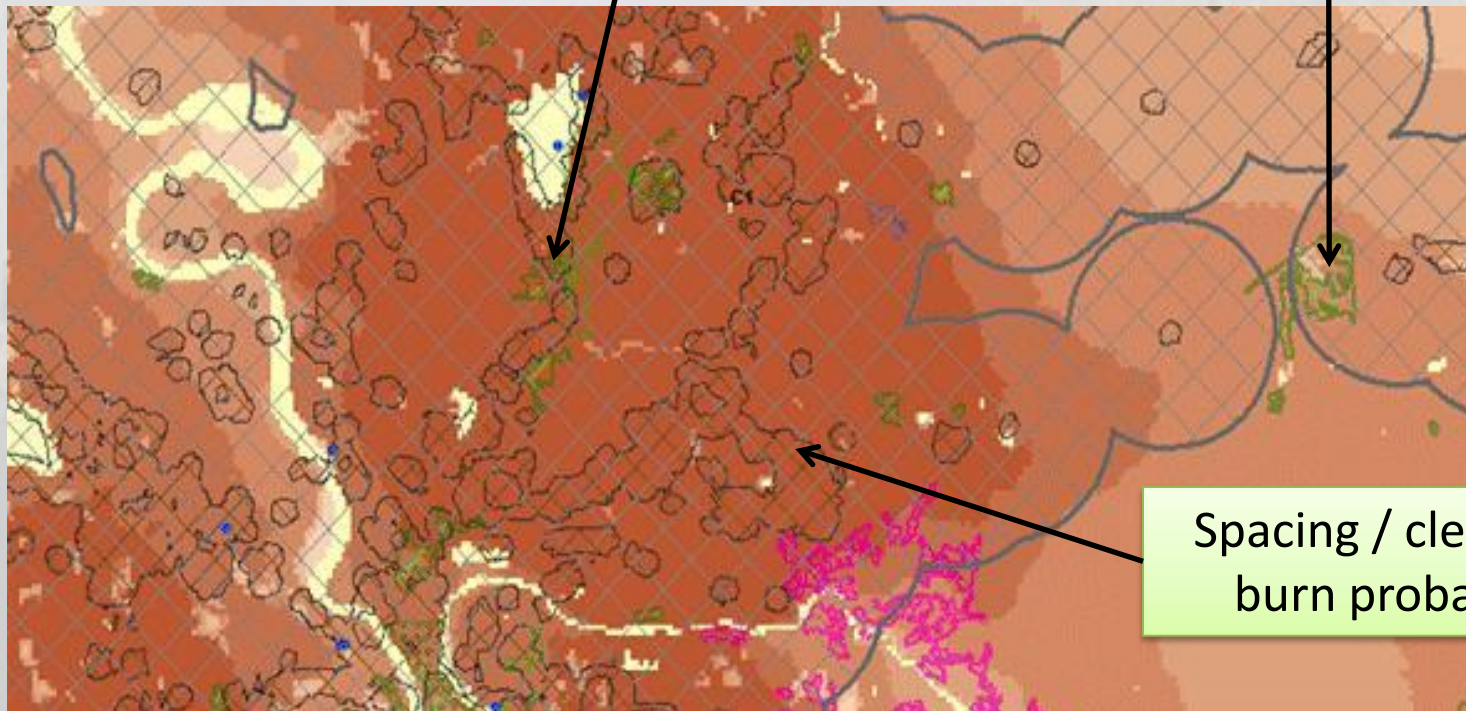


Landscape Fire Management Plans

Prioritize management - considering wildfire management burn probability, interface areas and candidate areas

Fertilization in high burn probability area

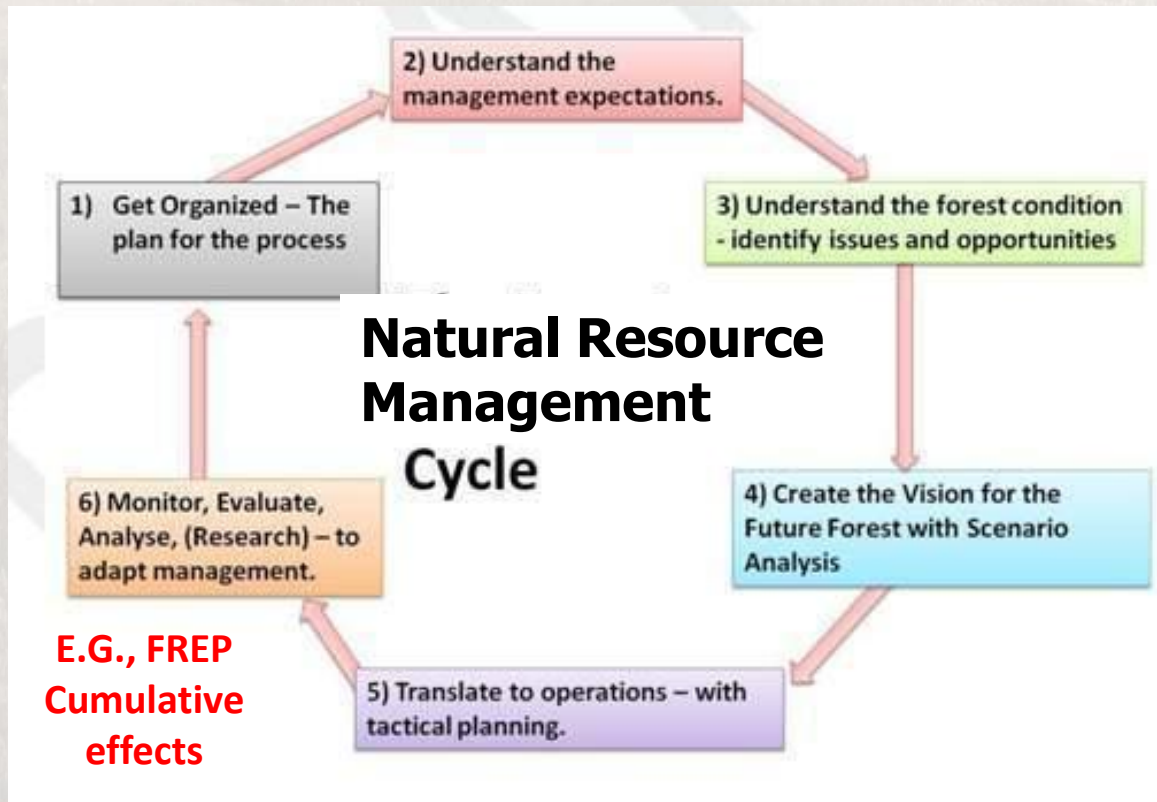
WHAs in moderate burn probability area



Spacing / cleaning in high burn probability area

The Integrated Planning Approach

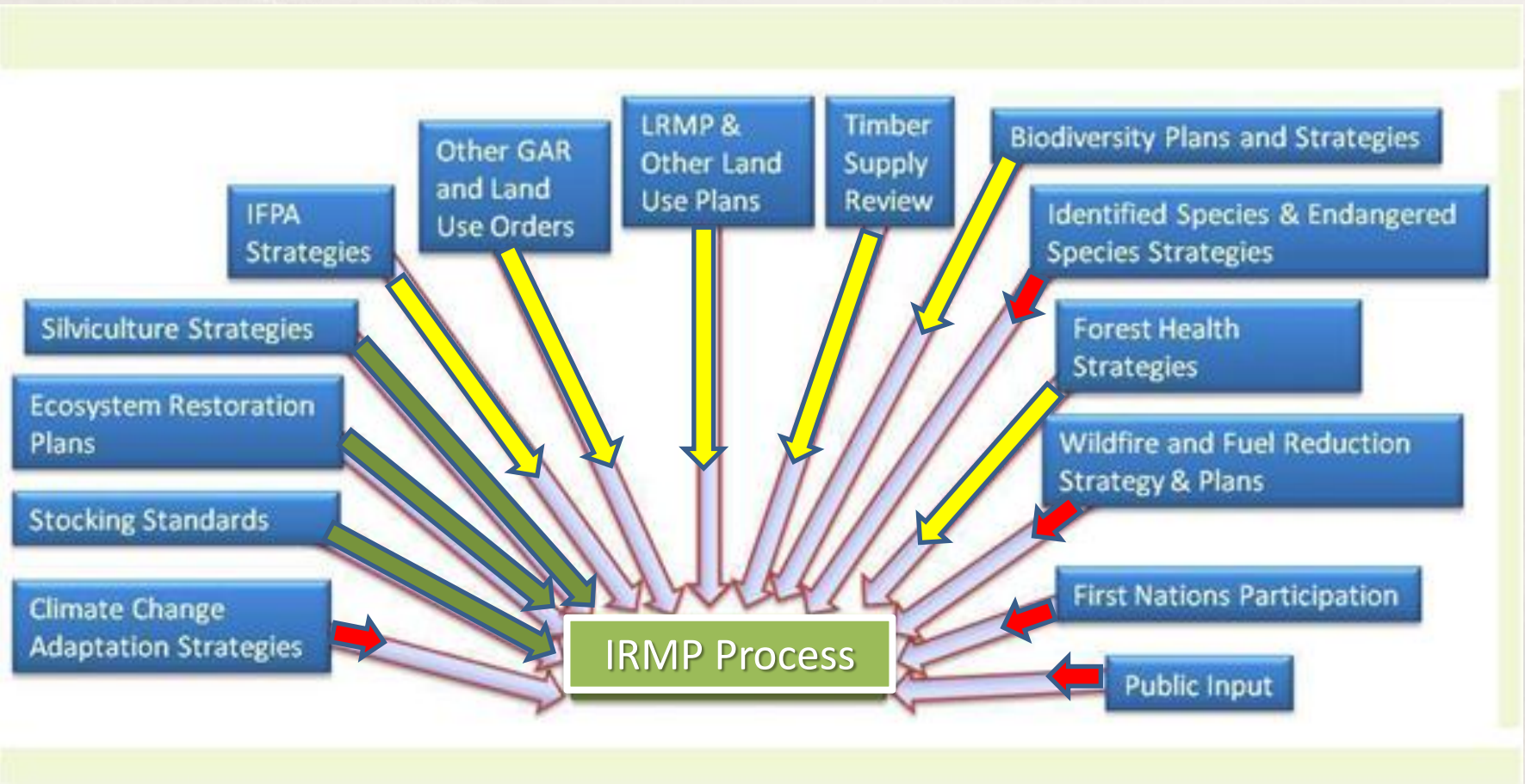
NOTE - it is a continuous process/cycle.



- It integrates present goals and strategies.
- Works toward ideal SFM.
- But is realistic in expectations for first iteration of the cycle.
- As it builds on past accomplishments and direction.

MOVING FORWARD:

Provincial Strategy for Integrated Planning



Monitoring measures
success

Next steps for the IRMP Process.

Tie to Provincial Stewardship Leadership Team direction and other landscape level initiatives

Pilots will:

- Integrate TSR process

Merritt DM 2014 – This type of process is essential to keep authorizations moving to accommodate FN Values

feedback, First Nations Cultural Areas, Transition from IFPA, Wildfire Risk...

- In the Williams Lake TSA – Williams Decision , links to CCLUP, MRVA2 Pilot, Trapping issues, Fire, Water Act direction...





Moving Forward



- **Our Vision**

- Being the Best – Operationalize integration

“In the coming two years, we will work toward even greater integration within the BC Public Service, aligning our strategic plans and using technology and innovation to pull together across ministries, sectors and regions to ready ourselves for future opportunities and challenges.”

Quote from John Dyble on Being the Best 2014


The First Iteration (of cycle) vs the Ideal

The First Iteration may be:

- Rough, perhaps not close to ideal.
- Less than satisfactory in accomplishments.
 - Often yielding more questions than answers.



BUT IRMP is a journey and this is just the start!



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