

Habitat Monitoring Update

Presentation to
Regional Managers

November 25, 2010



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Canada

Introduction

Regional Monitoring Initiative

Intro

Update

Analysis Options

Observations

Roles and
Responsibilities

Monitoring Framework

Discussion

- Regional monitoring projects
- Joint Area monitoring projects
- Coordinated Area monitoring projects

- Regional standards for methods and reporting
- Integration of Regional and Area priorities
- Integration of Regional and Area work plans
- Team approach
- Linkage to broader habitat program



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Update

Intro

Update

Analysis Options

Observations

Roles and
Responsibilities

Monitoring Framework

Discussion



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Potential Projects for Monitoring

Regulatory Tool and Dates		TOTAL
Authorizations	2006 - 2010	266
LOAs	2009 - 2010	273
ROS	2009 - 2010	241
Grand Total		780

Update

Intro

Update

Analysis Options

Observations

Roles and
Responsibilities

Monitoring Framework

Discussion

Performance Measurement Monitoring – Regional random

Authorizations - 60

LOAs - 60

Strategic Monitoring - directed sample in Area

Clear Span Bridge ROS - All Areas

Dock ROS - BCI

Sea Walls - SCA

Targeted Monitoring - risk based



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Compliance Monitoring Site Visits by Area

Intro

Update

Analysis Options

Observations

Roles and
Responsibilities

Monitoring Framework

Discussion

Pacific Region Compliance Monitoring Reports as of Nov 23

AREA	TOTAL
BC Interior	189
Lower Fraser (Delta)	100
North Coast (Prince Rupert)	68
EAMP	53
South Coast (Nanaimo)	72
Yukon & Transboundary (Whitehorse)	14
Grand Total	496



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Compliance Monitoring Very Preliminary Results

Intro

Update

Analysis Options

Observations

Roles and Responsibilities

Monitoring Framework

Discussion

Parameter	Y/N/P/UK/NA
Built as Proposed (%)	44/26/16/11/02
Conformed to Advice (%)	36/06/42/06/09
Foot Print Actual / Proposed (bank- dock)	162% - 313%
Compliance Issue	Y / N
	42 / 292



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Intro

Update

Analysis Options

Observations

Roles and
Responsibilities

Monitoring Framework

Discussion



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Analysis and Reporting Options

Projects

- Numbers, location and work category of projects
- Number of Authorizations, LOAs, and ROS implemented annually

Compliance

- Proportion of projects that are constructed as proposed
- Conformity with mitigation requirements
- Compliance with the habitat provisions of the *Fisheries Act*
- Proportion of projects that conform to conditions yet are not compliant*
- Proportion of projects where mitigation or compensation fails
- Proportion of projects that include pre and post impact assessment
- Proportion of projects that avoid unauthorized impact to fish habitat.
- Conformity with monitoring and reporting requirements

HADD

- Type and Area of habitat being impacted
- Species most frequently impacted
- Species / habitat type / habitat value compared to regulator tool used
- Watersheds and Wild Salmon Policy Conservation Units most affected
- Average HADD size and frequency of occurrence for different land use activities, development activities, habitat types, and habitat categories
- authorized HADD size and habitat type vs actual
- Proportion of HADDs that occur in low, moderate and highly sensitive habitats OR marginal, important or critical value

Compensation

Average compensation area by development activity, in low, moderate and highly sensitive habitats OR marginal, important or critical value habitat

- Conformity to compensation requirements
- Frequency of different hierarchy of preferences for compensation habitat by species, habitat type, habitat category, work activity and location

Intro

Update

Analysis Options

Observations

Roles and
Responsibilities

Monitoring Framework

Discussion



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Observations

- 1) Authorizations and advice regularly do not use wording that includes measurable criteria to be met in order to determine whether the condition has been conformed to or not.

There are a high number of unknowns in our data set many of them are attributable to this

This limits our ability to assess conformity and it has implications on performance measurement

Intro

Update

Analysis Options

Observations

Roles and
Responsibilities

Monitoring Framework

Discussion



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Observations

- 2) There is regularly a lack of consistency in formatting and structure of DFO and proponent documents (e.g. Authorizations and Environmental Management Plans) making it difficult to determine what is a condition and when it should be applied.

Total/Expected/Observed - Fail
ROS were easy

Intro

Update

Analysis Options

Observations

Roles and
Responsibilities

Monitoring Framework

Discussion



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Observations

- 3) File management / data entry is still a problem – too much time had to be allocated to finding the information necessary to conduct monitoring and in many cases it limited the number of projects that could be monitored.

estimated time spent more than 2 to 1 vs site work

dropped log-dump audit due to inability to
access information prior to end of field season

discovered additional information after monitoring

Roles and Responsibilities

Key elements to consider

- 1) Responsibility and link to Regional monitoring activities
- 2) Reporting structure – do we need variation between Areas?
- 3) Coordinates monitoring activities in their Area (staff)
- 4) Proportion of capacity on non-monitoring and joint sign-off of their workplan



Regional Framework

Intro

Update

Analysis Options

Observations

Roles and
Responsibilities

Monitoring Framework

Discussion



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1) Why we need this?

2) Elements to consider

a) goals and objectives

b) governance

c) reporting

d) links to program

3) Next Steps