

# Need Lamprey 1

ELEMENTS WE NEED PROGRAM TO HAVE. @ THE Population Scale  
(ELEMENTS FOR A.M)

ANAD. FISH (PRODUCTIVITY)

Part 1. Bid. Objectives (NOT 100% YET) (Address Harvest)

Part 2. Verification of L.E by Pop. INC out of Basin  
Linked to obj. (Hypothesized Effect)  
Quantified *Communicate* as such

Part 3. Prioritized strategies to Address L.F.

- 4. Measures/Actions to Imp. Strategies w/out Comes <sup>exl.</sup>
- 5. mte

# NEXT SCENE

2

## PROG

## IN BETWEEN

1. Bio Obs

- A. ADD
- B. Linked Pop.
- C. Quantities (quantity & quality)

DAVE will AWARE  
PROV vs. ESU

Every PROV  
meeting Fish Obs.

RECOVERY  
Plan Strat.

HARVEST Element?

2. L.F.

Pros

IN BETWEEN

3

Yes  
AHA  
\$Rec.  
PLANS

Yes  
AHA  
& Recovery  
PLANS

3.

Prior.  
STRAT TO  
ADD.

1. Hydro Effects

Addressed w/dams in  
still significant

1. <sup>aggressive</sup> Pursue Aggressive  
offsite Hab. Actions

2. <sup>avoidance</sup> Needs to be done  
Avoidance in-line Proj.

∴ Include in-line in Proj

Account For Other  
Factors that will contribute  
to Effect:

3. CONT'D

PROG

IN-BETWEEN

4,

2. HATCHERY

YES

SEE

3. HARVEST

YES

RECOVERY  
PLANS  
AS WELL

4. ACTIONS / MEASURES

- DEV. OF BETTER TOOLS
  - PURSUANT TO CLIMATE CHANGE & POP. GROWTH
- IDENTIFY AREAS MOST @ RISK

TREATING SYSTEM AS A WHOLE

5. impe  
review

# PROGRAMMATIC ISSUE 5

-FERC Facilities

-ESA

-Clean Water Act

-Aquatic Nuisance Species

-

# Wildlife

6

## 1. Bio Obj.

- Prog Scale Bio Obj.

Eco Sys Functionality

- Local Scale

- Quantified & Acc

## 2. Verify L.F.

1. Lost Hab Const MUND.

2. Lost Hab Operations

## 3. Replace lost Hab through Acq. Protection &

(Strategy) Enhancement



#### 4. Measures/Actions

7

- 1. Using <sup>Aca</sup> <sup>Habitat</sup> Help Procedures
- 2. ASSESS OPERATIONAL impacts
- 3. Fund implementation of Mgmt. Agreements
- 4. Est. tech. work group for Crediting

#### 5. M&E

- Monitor Aca/Protected Habitats for Proper Functioning Ecosystems AS defined in M&MT Plans.

Tomorrow:

8

1. Roles Prog Issues  
To Assure Adaptive Mgmt.

2. Adaptive Mgmt Process

3. Costs

4. Schedule

5. ASSIGNMENTS

/ Member  
Actions



Theme

- Adaptive Management

STRUCTURE

Process

9

Political/Policy  
Implications

- Building an  
2000 Program

WE ARE

Competitive

A.M. Framework

Contemplated

# Table of Contents Review

## I. INTRO

### A. Satutory Basis

- EST. Statutory Basis for A&T Recommendations

- EST. " " " " for A&T IN implementation

- " " evaluation

### B. Prog STRUCTURE

- Agree w/ STRUCTURE

FROM WHICH SUB-PROGRAMS

I.C. Proc. Framework - Adaptive Mgmt. II.

- Hist. Reference

- General Disc

- est. Needed elements

- est. Needed Process

- Introduce Diagram

I.D. ESA.

- Integrated Program

- Incorp of B:ops

- " " Recovery Plans

# I. D. ~~Implementations~~ ~~Standards~~ 12

## STANDARDS FOR Adopting Meas.

Implementation  
Letters

- Intentions
- Standard for evaluating the A&T Recd.

(D) - Scope & Responsibilities for Imp

- BPA obligations measures

- FERCC?

- Other?

- Suggest

PCSRF.

Amend.

2.1. ~~Adaptive~~ <sup>Adapt to follow</sup> process

Scientific Principles

13

- Adaptive Management Principles

- Structure & Charts

- Process

& Planning

Imp

Evaluation

Changing Direction

- STARTS  
The Bulk  
OF BUR REL.



Where to From Here 14

- PPT ~~to~~ members

Amendmant STRUCTURE

Outline for Transmittal LTR.

- What's left to be done

- Recc - Who

- Recc - When

- Review time line

- Expected final Actions

Should we  
Plan a mtg w/ print?  
BPA @ draft  
BPA @ print

Build print  
BPA print

# ISSUE PAPER Costs

15

## Background

- - - Costs over time
- - - Past Actions
- - - Authority to Speak
- To Fix Proj Costs
  - Fix Experts
  - ACT
  - CIM Case

## Issue to Cont.

1. EX. AUTH in Proj Amend
2. EX. AUTH. IN Ratf case
3. BAH or whether



Use Cost information  
IN Transmittal letter or as  
Admin Record to Support: 16

- Specificity in Prog
- Change in Proj Self/selection/  
Contracting  
Process