**Progress report: C-3624 implementation – Technical Procedures Document** 

> Ken Warheit Supervisor, Fish Health and Molecular Genetics Laboratory

> > March 17, 2022

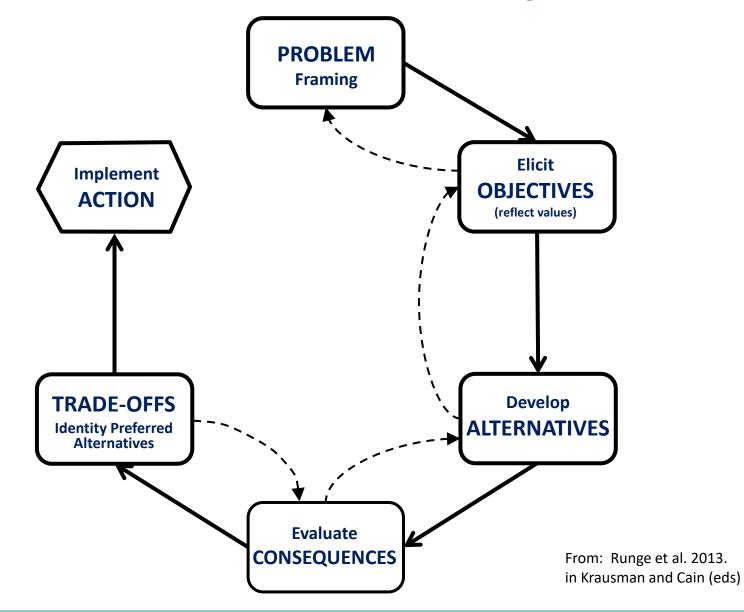


# C-3624. Policy Guideline #4

- Hatchery Management Plans (<u>HMPs</u>) developed for every anadromous salmon and steelhead program.
- HMPs reflect <u>balance</u> between minimizing genetic and ecological risks and providing ecological and societal benefits.
- Balance achieved through a <u>structure decision-making process</u>, including a science-based <u>risk management framework</u>
- SDM and risk analysis developed in the <u>Technical Procedures</u> <u>Document</u> (TPD).
- TPD or individual HMPs will require environmental review (<u>SEPA</u>)

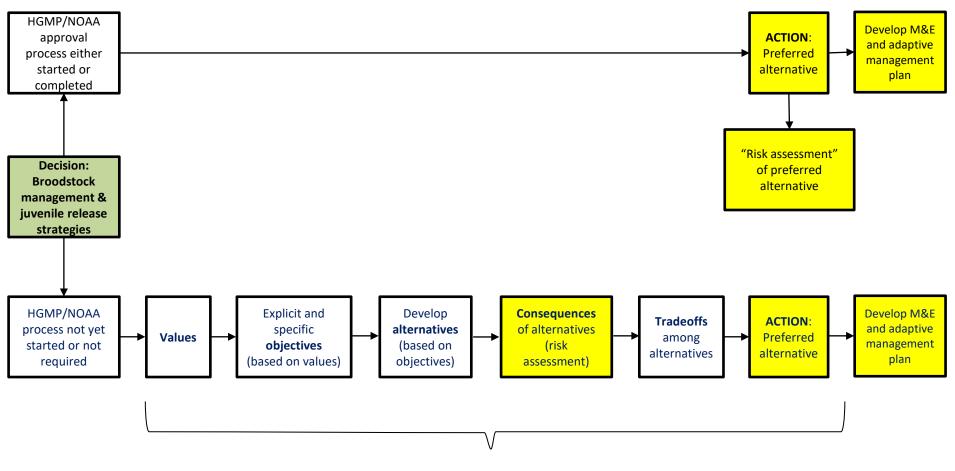


### Structure Decision making (PrOACT)





### TPD - Workflow



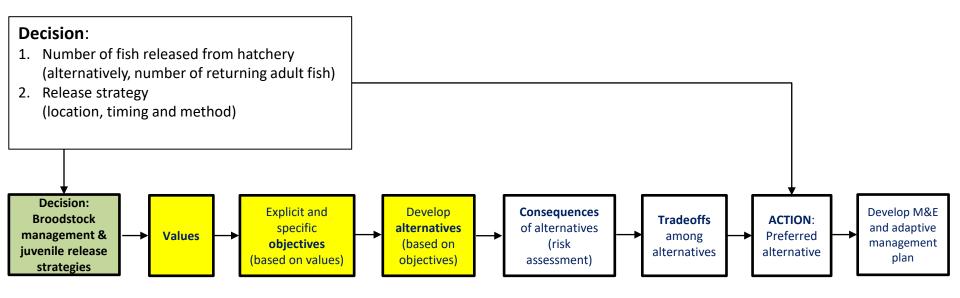
#### Decision making process and risk assessment



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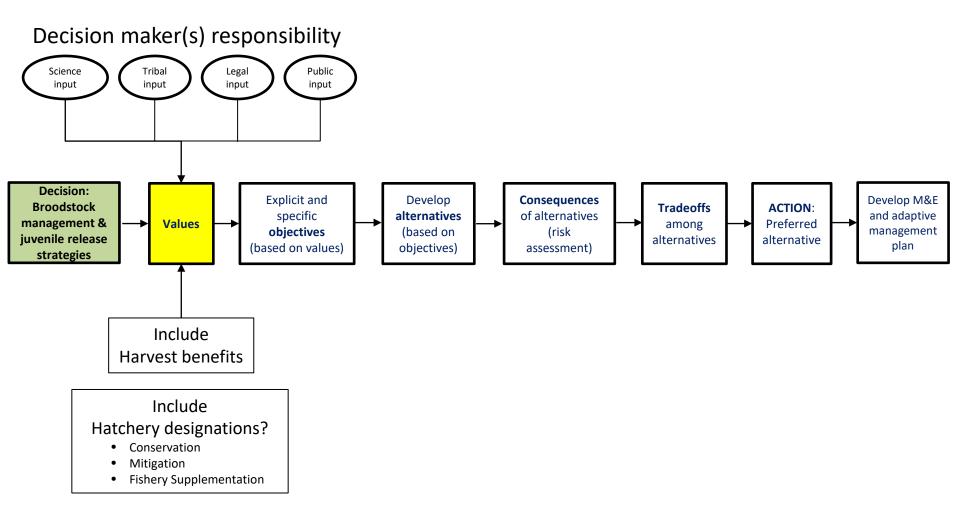
Fish Committee Meeting March 17, 2022

### **Decision Making & Risk Assessment**



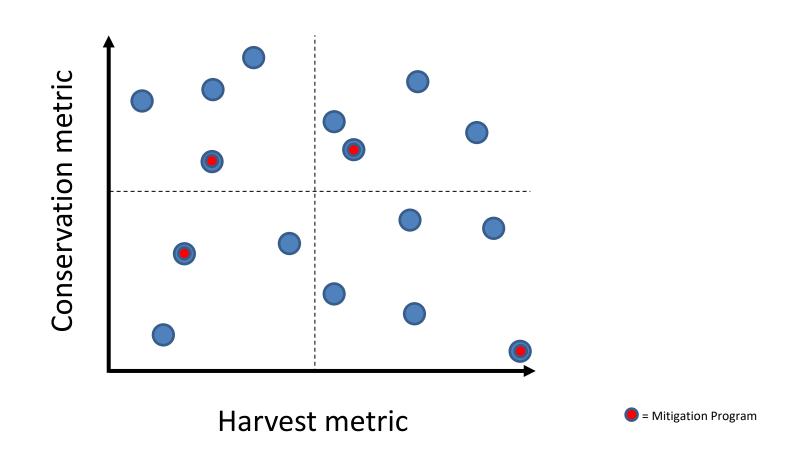


# Decision Making & Risk Assessment VALUES





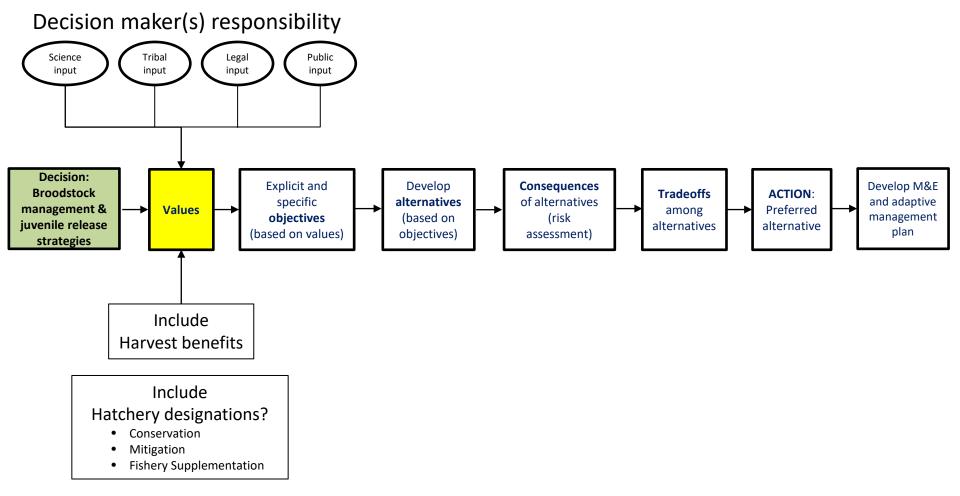
#### **Hatchery Designations**





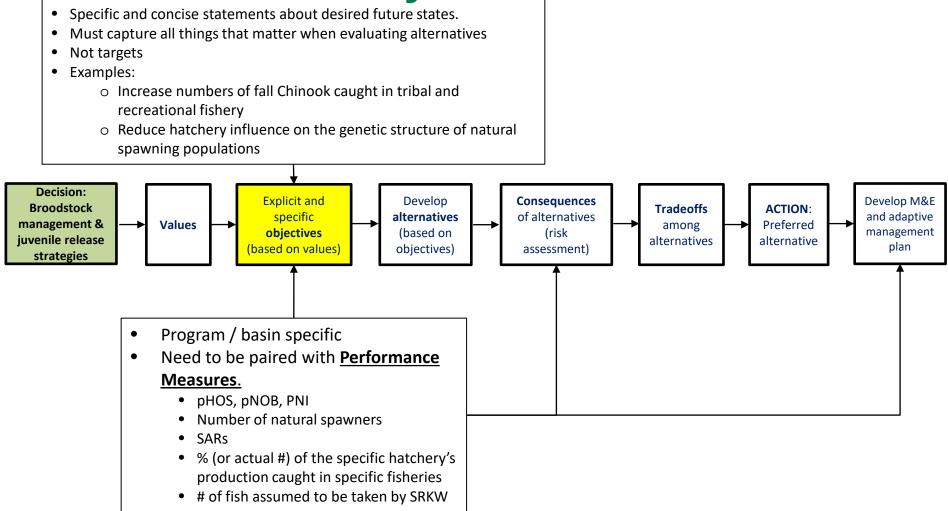
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# Decision Making & Risk Assessment VALUES





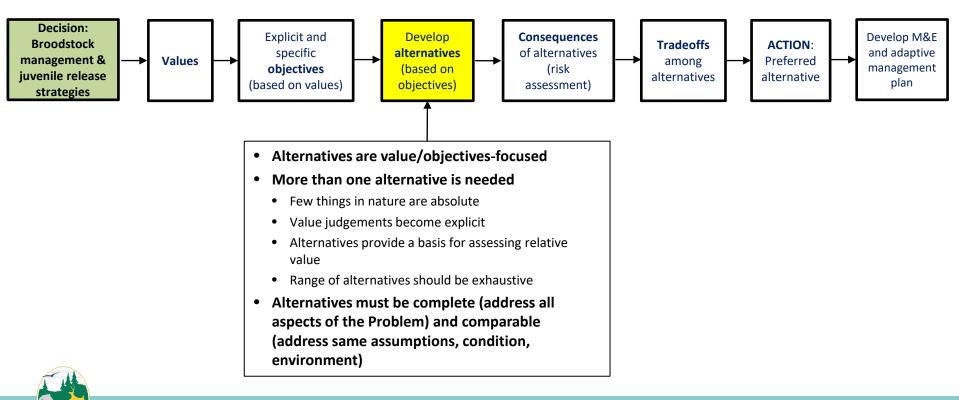
# Decision Making & Risk Assessment OBJECTIVES





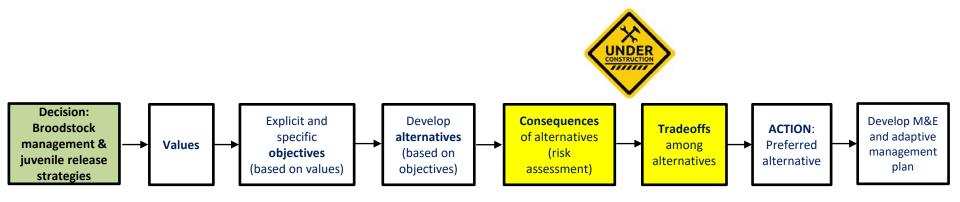
# **Decision Making & Risk Assessment ALTERNATIVES**

Fall Chinook	A1	A2	A3
Forks Creek	0.35M	3.50M	0.40M
Nemah	3.30M	3.30M	3.30M
Naselle	0.80M	5.00M	5.00M





# Decision Making & Risk Assessment CONSEQUENCES



#### **Consequences – comparing alternatives:**

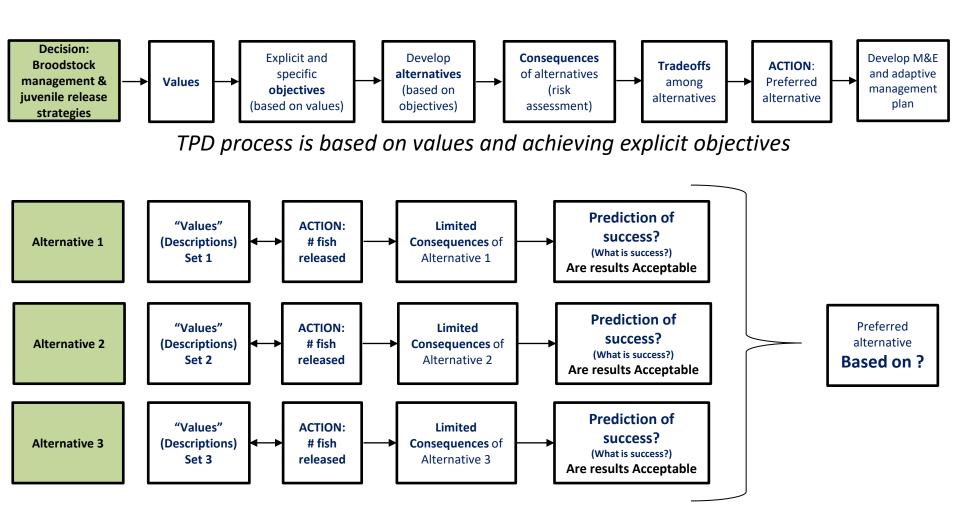
- Refer back to objectives
- Make use of performance measures
- Estimate future states through modelling
  - Risks and benefits
- Explicit about uncertainty
  - Risk tolerance
  - Monitoring and Adaptive Management

#### Tradeoffs

Alternatives do not address all objectives equally



### **TPD vs. WBP Alternative Analysis**







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