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# ***Preferred Alternative Stage 1 Operations***

DEFT-NoName Coordination  
Team  
(DNCT)



# ***DNCT***

## ***Products and Schedule***

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- Weekly -Progress reports to management
- Oct 20th -A range of draft operational scenarios , with approximate benefits and impacts of each
- Nov 24th - A short list of operational scenarios with adequate evaluation of level of certainty to move towards recovery and water supply and water quality benefits



# *Range of Scenarios*

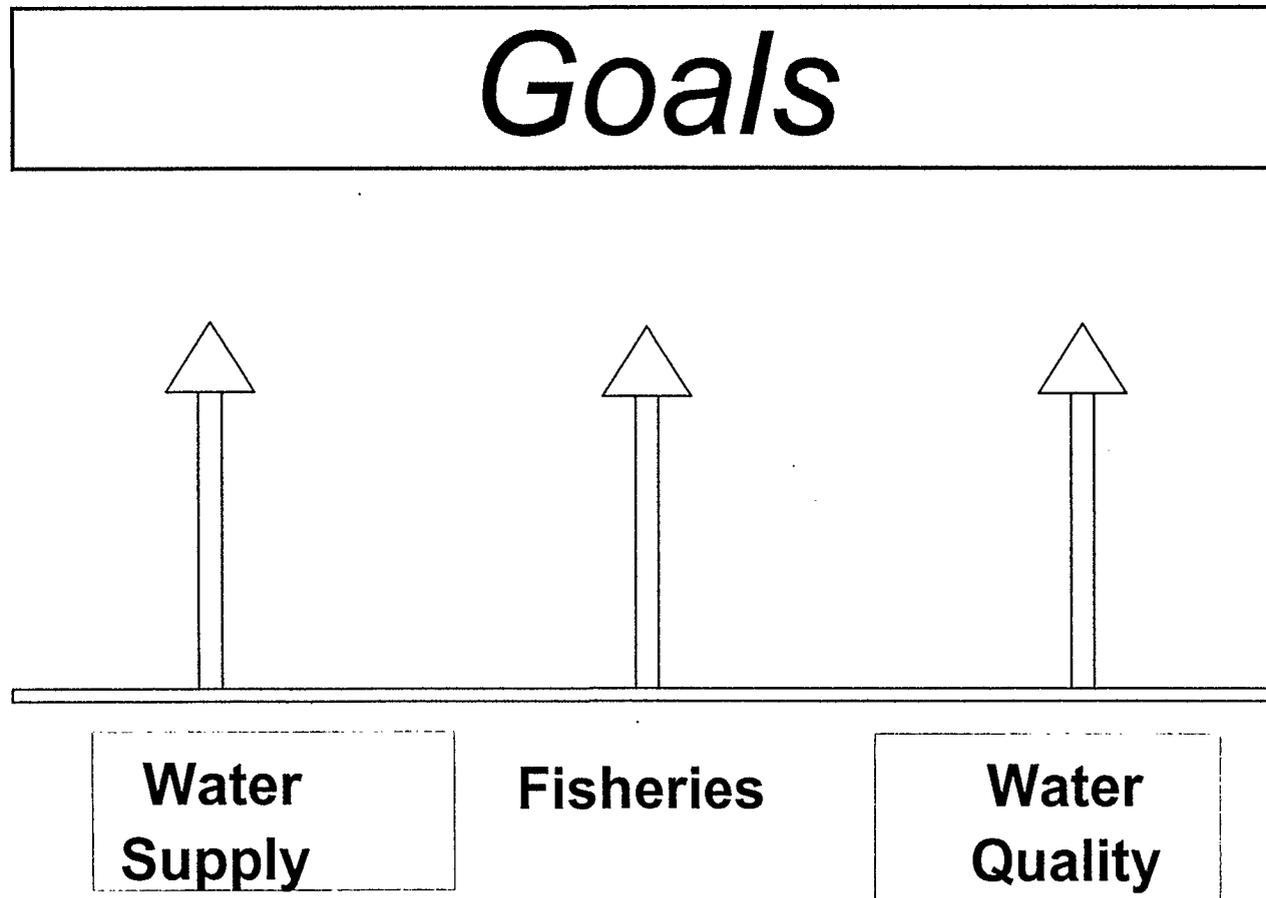
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- Range of Scenarios that will move towards the goals of all interest groups:
  - Fisheries
  - Water Supply
  - Water Quality
- Trade offs needed to reach other interest group's goals



# All interest groups move towards goals in Stage 1

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# *Implementation Issues*

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- Environmental protection, water supply and water quality will require some combination of:
  - New Facilities (South of Delta Storage, Intertie, etc.)
  - Standards Modification (Pumping Restrictions, JPOD, E/I ratios, etc.)
  - Water Use Efficiency (Reclamation, etc.)
  - Transfers (Water Quality, Water Supply and Environmental)
- All of the above are included in development of scenarios



# *Elements of Scenarios*

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- Objectives
- Non-Flex ops rules
- Facilities/Measures (JPOD, ISDP, etc.)
- Flexible operations rules and accounting
- Discretion (who makes the call?)
- Who bears the risk once operation moves off the non-flex rules?



# Range of Scenarios

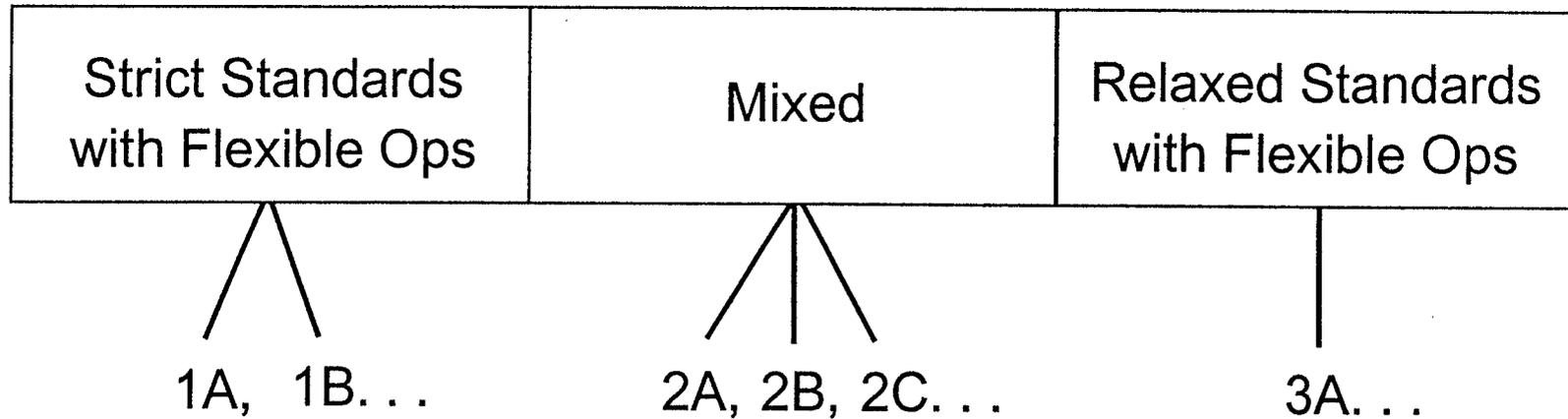
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- Strict standards from which flexibility is used to meet other needs(#1A,B)
- Relaxed standards from which flexibility is used to meet all needs(#3A)
- Somewhere in between(#2A,B,C)



# *Range of Scenarios*

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# Scenario #1A

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- Description: Conservative standards with flexibility to meet other needs
- Features:
  - Start with Accord + All AFRP
  - Establish additional stringent fixed standards
  - Flexibility based on times when standards need not be that strict
  - Water created by new actions will first be applied to meet fixed standards and thereafter all goes to water supply



# Scenario #1B

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- Description: Share flexibility gains now. Share future supplies. New environmental supplies are converted into more stringent standards
- Features:
  - Start with Accord + All AFRRP
  - Benefits of flex ops are shared by environment and users
  - For new facilities standards are tightened and are met first and sequent benefits are shared between environment and users



# Scenario #3A

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- Description: Substitute standards for the E/I ratios
- Features:
  - Accord + all AFRP minus E/I ratios
  - Eco manager can restrict pumping during prescribed number of days for specified amounts
  - As water supply increases number of days that Eco Manager can restrict pumping increases



# Scenario #2A

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- Description: Existing standards minus in-Delta AFRP with additional standards applied dependent on new water supplies
- Features:
  - Floor on exports is Accord + Upstream AFRP
  - Environmental water generated by Eco Manager first goes to make up in-Delta AFRP, share water thereafter
  - Environmental water managed on prioritized list by Eco Manager



# Scenario #2B

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- Description: Increase supply above the Accord + AFERP, with new standards to reduce overall mortality
- Features: Same as #2A except:
  - Cap on exports
  - Initial flex ops using mortality at pumps
  - Initially measure environmental improvement as reduction in mortality at pumps and eventually move to a broader definition of improvement to include other sources, such as increasing fish production



# *Scenario #2C*

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- Description: Use flexible operations to improve all uses
- Features: Same as # 2B except:
  - All rules in the Accord are flexible



# *To Management*

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- DNCT feels that these general scenarios represent a reasonable range



**Nov 24th**

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- A short list of operational scenarios with adequate evaluation of level of certainty to move towards recovery and water supply and water quality benefits
- Clear ways to modify levels of protection, water supply impacts and water quality effects
- Tools to reduce conflicts among uses

