

DEFT - NoName Report

- Team Roles
- Operational Flexibility
- Evaluation of through Delta
- Proposed Direction

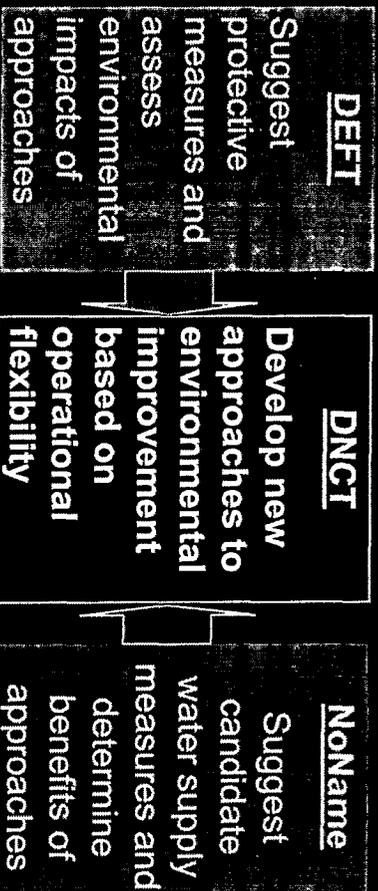


DNCT - Key is Operational Flexibility

- Curtailing pumping at environmentally sensitive times and enhanced pumping at less sensitive times
 - Base Line of operations
 - Share the new yield
 - Environmental water account
 - Flexibility based on real-time triggers
 - Monitoring and adaptive management



Team Roles



DEFT Status on through Delta

- Consensus on Stage 1 Habitat actions
- Upstream actions
- Harvest team
- DEFT evaluation scenario
 - Structural actions
 - Operational protective measures
- Evaluation of scenario to move towards Recovery



Upstream Actions

- Flow
- Passage
- Habitat
- Unscreened Diversions



DEFT Evaluation Scenario

- A starting point from which to evaluate the sensitivity of each protective action in improving the probability towards recovery.
- This is not an alternative



Harvest Management

| Action | Sac Winter Run | Sac Spring Run | S.J. Fall Run |
|-------------------------------------|----------------|----------------|---------------|
| Existing Regs | 6 | 4 | 4 |
| New Regs (7-years) | 6 | 6 | 6 |
| Genetic Analysis | 7 | 6 | 6 |
| Selective Fishery (time/area) | 6 | 4 | 2 |
| Selective Fishery (100% hatch mark) | 5 | 5 | 6 |
| Imprv Gear or Method of use | 4 | 4 | 4 |
| Better Mang Tools | 6 | 6 | 6 |



Structural Actions

- 2,500 cfs fish screen at Tracy (research)
- 6,000 cfs at head of CFF
- Intertie
- Old River Barrier
- 2,000cfs research screen at Hood



Research Screen at Hood

- Information on bypass, debris, hydraulics, upstream passage?
 - May raise more questions than we answer
 - May show negative impacts
 - May be perceived as start of Alt 3



Future Roles

- DNCT-Develop new approaches to environmental improvement based on operational Flexibility
- DEFT- Suggest alternative protective measures and assess environmental impacts of approaches
- NoName-Suggest alternative candidate water supply measures and supply benefits of approaches



Operational Protective Measures

- Monthly E/I ratio adjustments
- Expanded VAMP
- X2 @ 1962 level of development
- Flows below Hood



Proposed Direction

- Roles of DEFT, NoName and DNCT
- Direction and concepts being pursued by DEFT, NoName, and DNCT, such as:
 - Shared in new yield between water supply and the environment
 - Environmental water account
 - Operational flexibility based on real-time triggers





- 2,000 cfs from Sacramento River to Mokelumne River.
- Test screening, bypass, and Passage
- Improve water quality
- Improve cues for migrating fish
- May impair upstream passage
- Exposes young salmon to new screen
- May be perceived as start of Alt 2 or 3

Hood Diversion/Testing Facility



- DNCT coordinating with DEFT and NoName will develop several operational scenarios for Stage 1.

DNCT Charge



- 6,000 cfs designed at 0.2 fps
- Options for > 6,000 cfs:
 - Operate both new facility and existing gates.
 - Salvage at new facility and Skinner.
 - Design new screens so they can run at higher flow at low fish impact times (e.g. run at 0.4 fps, which violates present criteria)
- **Design not to preclude either option**

CCF Screens



- Baseline level of exports Accord + CVP/A
- Flexible operations and environmental water account to improve protection for fish and to supply target exports
- Benefits from new supply shared
- Develop what ESA Assurances are possible under different scenarios

DNCT Guidance

ISDP Considerations

- Should we consider Ag barriers in ISDP?
- Should we consider Old River dredging in ISDP?

