

DEFT
Tools and Issues
11/4/98

Tools

- Sacramento Inflow
- San Joaquin Inflow
- Exports
- DCC
- HOR
- Hood Connection
- Habitat
- Harvest Management

Triggers

- Monitoring Programs
- Hydrology
- Salvage

Issues

1. What is the real impact of entrainment at the pumps on species total populations
 - Direct Mortality- Mortality at the pumps, prescreen, screen, collection, sorting, hauling, return to receiving water
 - In-direct Mortality- Other losses caused by pumps. Such as food-web, habitat
2. Importance of improved Delta Habitat
 - Salmon stocks can be greatly enhanced over existing conditions by improving habitat, wood wed, and predator/prey relationships within the interior Delta
 - Do every thing possible to reduce movement of juvenile salmon into the interior Delta
 - DCC, Georginia Slough, HOR
3. Dynamics of fish passage
 - Out migrants key to flow or salt once in tidal zone
 - Move with mean or tidal flows

You have the issues down real well.

Direct - big issue that we will be fighting over in developing rules - at what salvage level is the potential risk to population significant enough to warrant cutback in export.

Indirect - yes foodweb and habitat, but also migration and movement disturbance; effect on where the fish end up; predation (may be more susceptible - longer period, etc) This will be very difficult for us to address in setting rules - we may be very conservative. Or we may say

that ACCORD protects for these issues (e.g., X2).

As for habitat improvements, some agency people think habitat improvements will do more harm than good - others have the opposite opinion. Not really an issue for us except in the determining the degree of export restrictions needed.

Babbitt presentation;

Fish use of the Delta, spawning, rearing, adults

Sac Salmon

SJ Salmon

Eastside Tributaries

Delta Smelt

Striped pass

Tools to enhance fish

Sacramento Inflow

San Joaquin Inflow

Exports

DCC

HOR

Hood Connection

Habitat

Harvest Management

Habitat

Prioritized

Adaptative management- Georgiana slough

Exports

Salvage

Tracy Old, new

CCF and Skinner, old , head of CCF

DCC

HOR

Hood Connection

Current Accord

E/I

X2

VAMP

Operational Scenarios