

Program  
Vision &  
Mission

- Clearly and concisely defines the overarching purpose, goals, and direction of the Interagency Ecological Program.

IEP Strategic  
Plan

- Identifies the long-term goals and strategies to be implemented by IEP to achieve its Vision and Mission.

IEP Science  
Agenda

- Defines the near-term science needs to guide program investments and project selection.

Building the  
Work Plan

- Identification and selection of activities to be included in a Work Plan.

Work Plan

- Contains specific approved IEP science activities and associated costs.

Guiding Principles

- Agreed upon principles for adapting to emerging and new management and policy needs

## Integration of Strategic Planning

## Management Drivers & Mandates

- Fall Outflow Management
- Drought Management
- Habitat Restoration (FRPA, EcoRestore)
- WaterFix
- Delta Smelt BO
- Chinook Salmon BO
- Longfin Smelt ITP
- Steelhead Recovery
- SWRCB D – 1641
- Cold Water Pool Management

## Landscape Attributes

- Bathymetry
- Tidal Excursion
- Area/Location of Shallow-water areas
- Sediment Supply
- Tributary Inputs

## Environmental Drivers

- Regional Climate
- Flow/Hydrology
- Contaminant Loading
- Nutrient Loading
- Location of Low-Salinity Zone

## Habitat Attributes

- Toxicity (from HABs or contaminants)
- Invertebrate densities
- Predation risk for target species
- Aquatic Vegetation: distribution and species

## Target Species

- Fish**
- Natives**
- Delta Smelt
  - Longfin Smelt
  - Chinook Salmon
  - Steelhead
  - Green Sturgeon
  - White Sturgeon

- Non-natives**
- Mississippi Silversides
  - Striped Bass
  - Threadfin Shad
  - Largemouth Bass
  - Catfish species

## Plants and Invertebrates

- Brazilian Waterweed (*Egeria densa*)
- Water Hyacinth and Water primrose
- *Microcystis aeruginosa* and other harmful algal species
- Mysids
- Zooplankton (native and invasive species)
- Invasive clams

- The SMT and CT nominated the following themes for emphasis in the Science Agenda (2017 and 2018):

- 1) Impacts of Invasive Species
- 2) Responses to Drought and Climate
- 3) Natives Species
- 4) Estuary Productivity and Connectivity
- 5) Ecological Contributions of Restoration

- For each of the five categories, we asked the following questions:
  - 1) What are the science needs for management?
  - 2) What are the science tools needed?