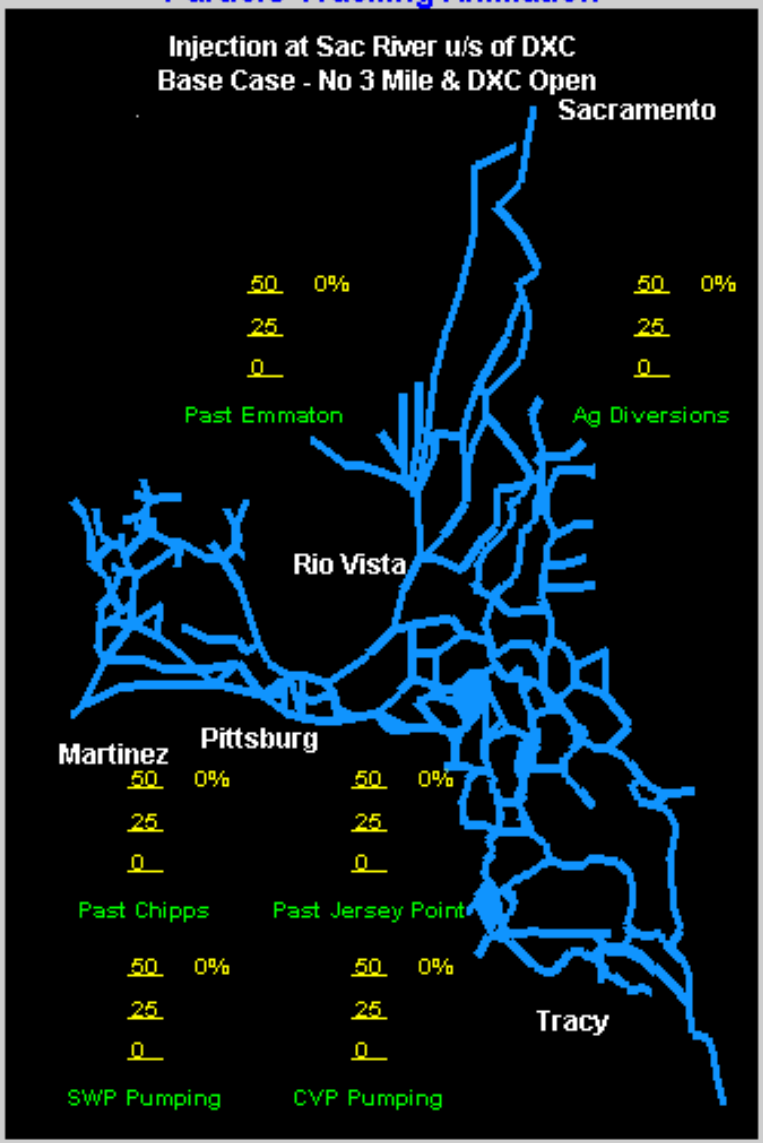
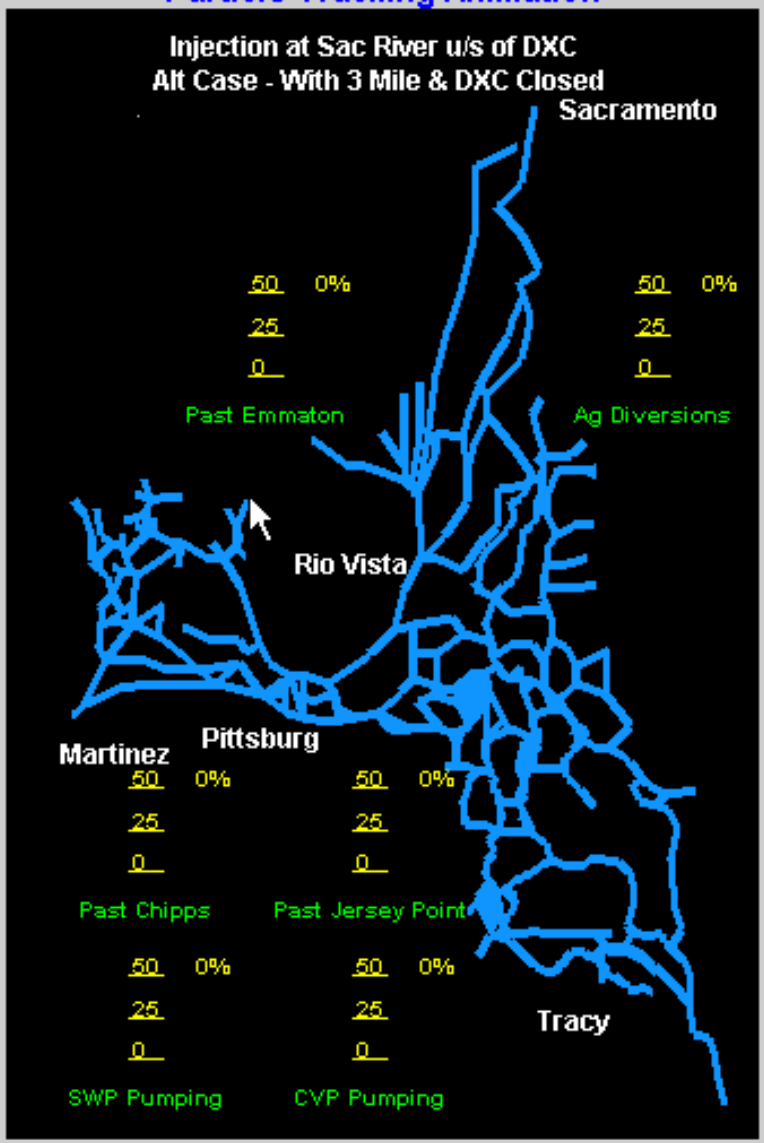
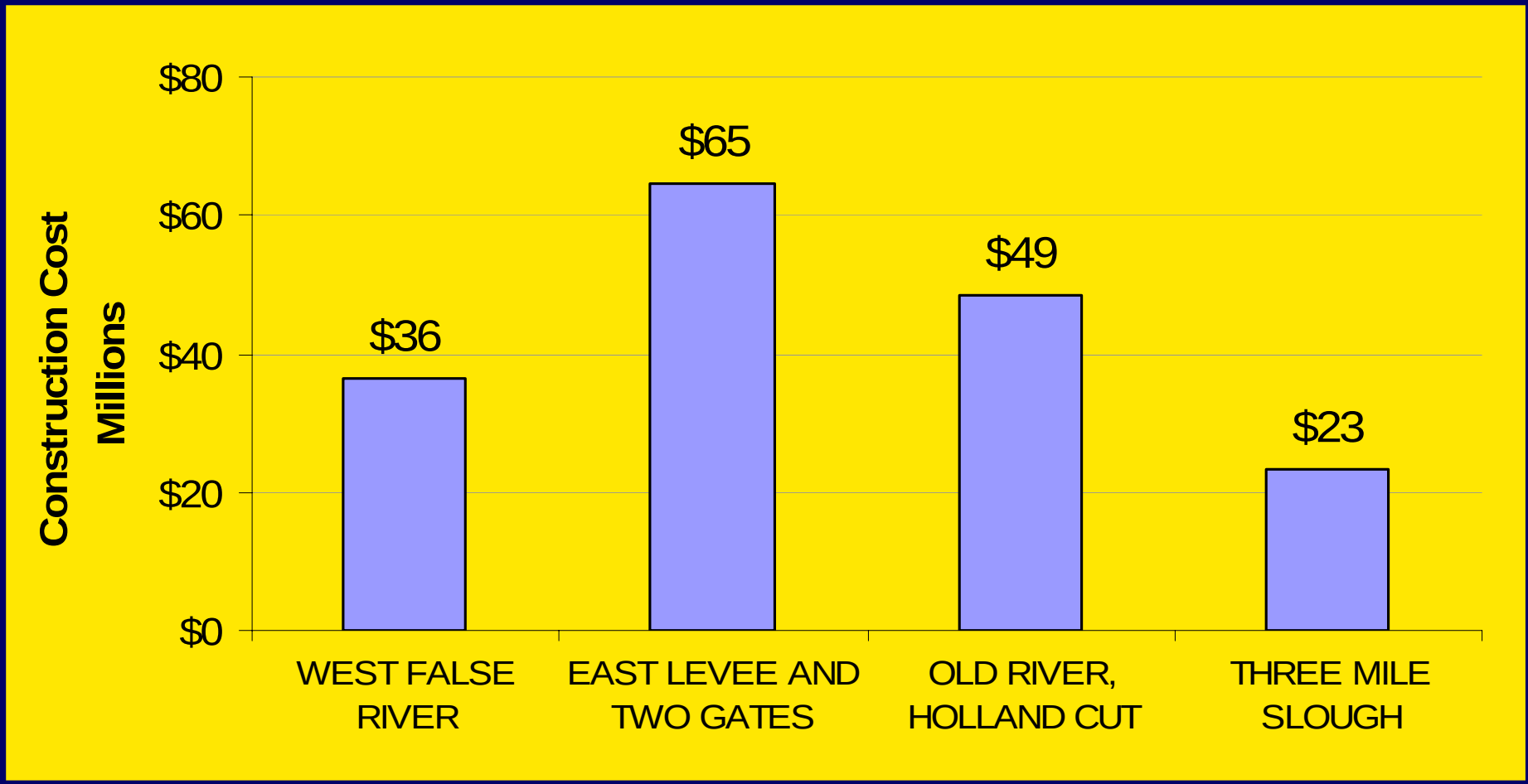
Particle Tracking Comparison
DCC Operation vs 3-Mile Sl. Operation





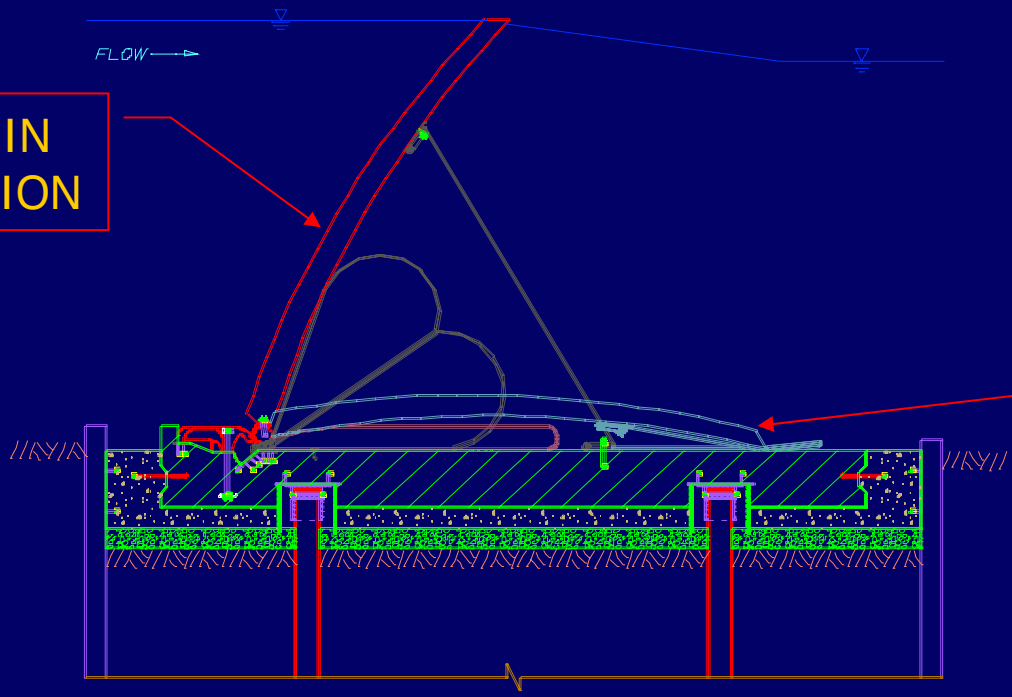
Franks Tract Pilot Project
Construction Cost - Summary



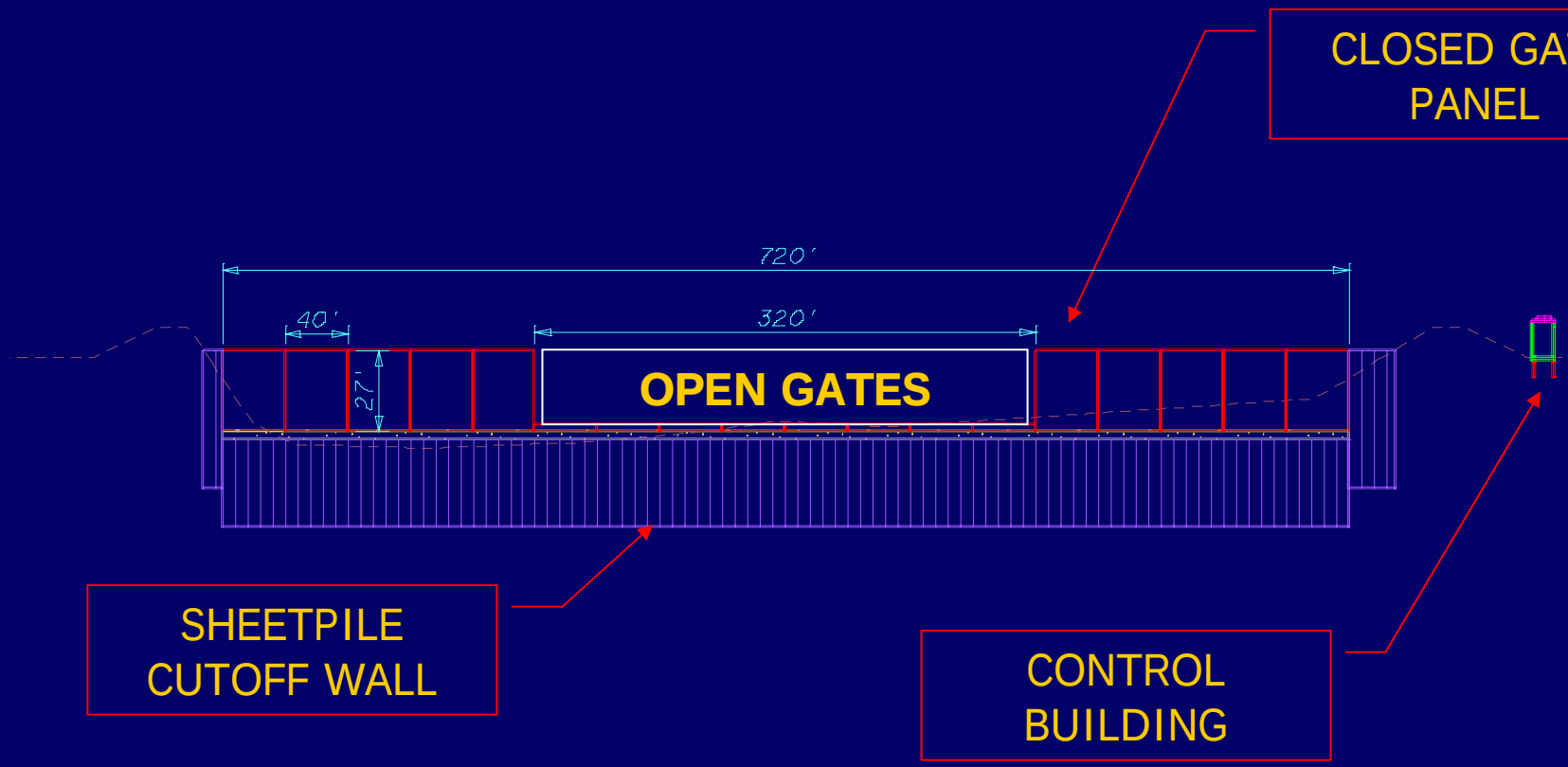
Assumes use of Obermeyer operational gates.

Obermeyer Gates

Obermeyer Gate - Cross Section



Elevation of Gated Structure – Looking D/S



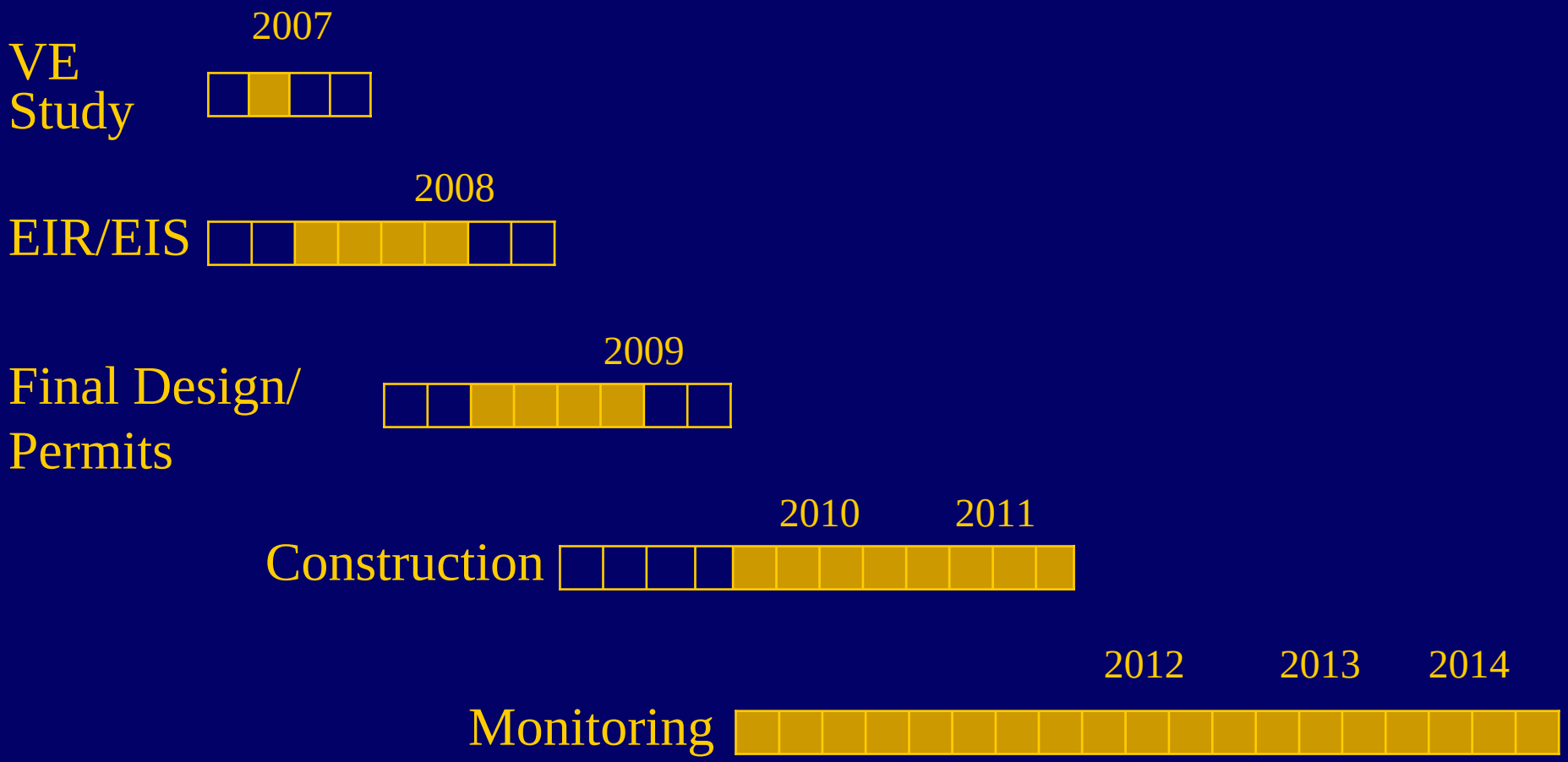
Franks Tract Pilot Project Budget

(2006 dollars)

Alternatives Eval. & Value Eng.	$ 1 M
EIR/EIS and Permits	$ 2 M
Monitoring Program (5 years)	$ 5 M
Final Design	$ 3 M
Construction	$ 24 M
Construction Management	$ 3 M
Total	**$ 38 Million**

Assumes use of Obermeyer operational gates.

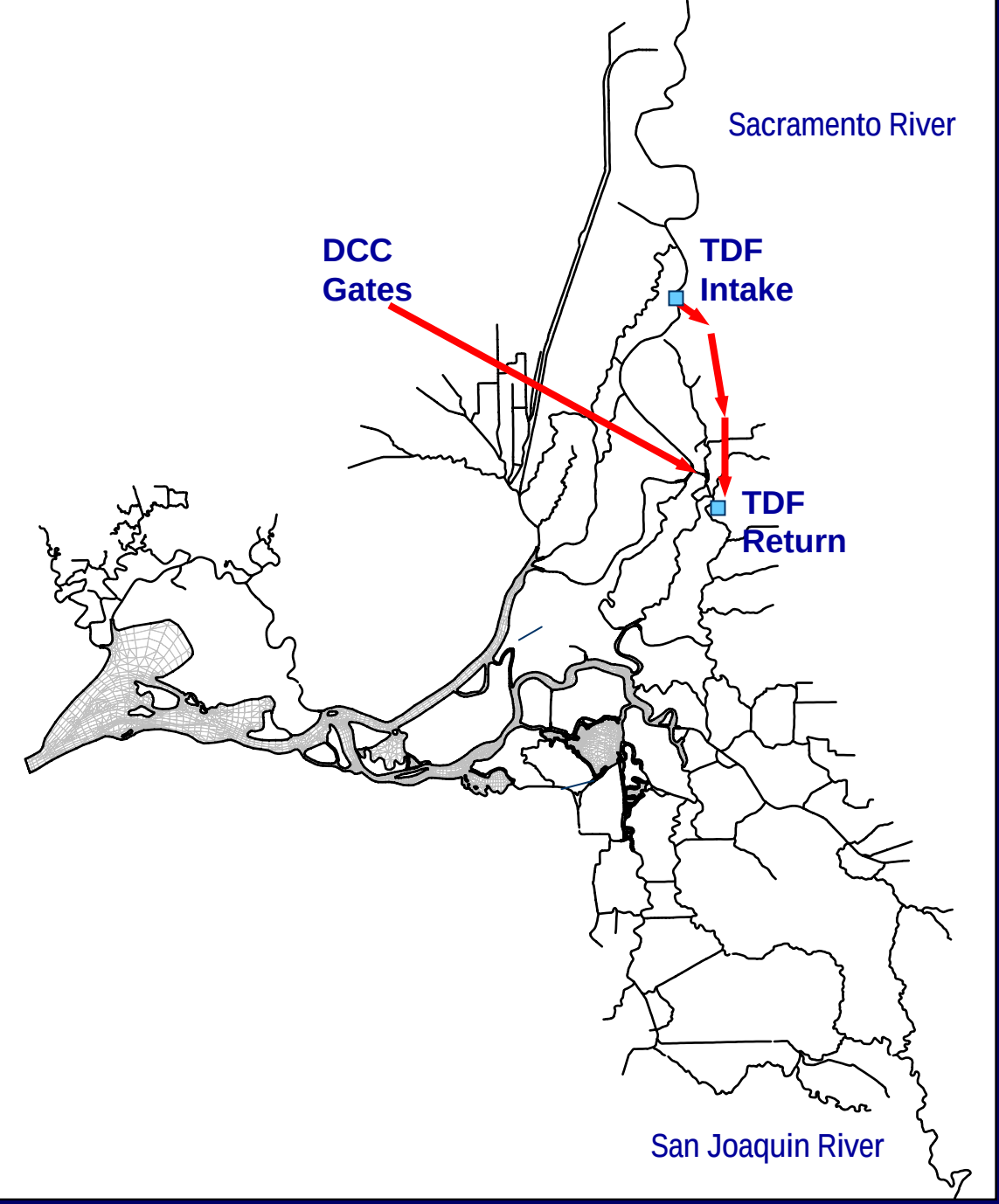
Franks Tract Pilot Project Schedule



Franks Tract Pilot Project
Funding Sources and Strategy

- Funding Strategy
  - ½ from State funds

  (Water quality, Prop 84 and fish facility improvement, Prop 13)
  - ½ from water users (SWP, CVP, CCWD, et al)
  - Federal funding dependent on its study and legislation



Delta Cross Channel /Through Delta Facility

- DCC - an existing 3500 cfs diversion from the Sacramento River
- 4,000 cfs Sacramento River diversion near Hood. Returns to South Fork Mokelumne at New Hope Tract

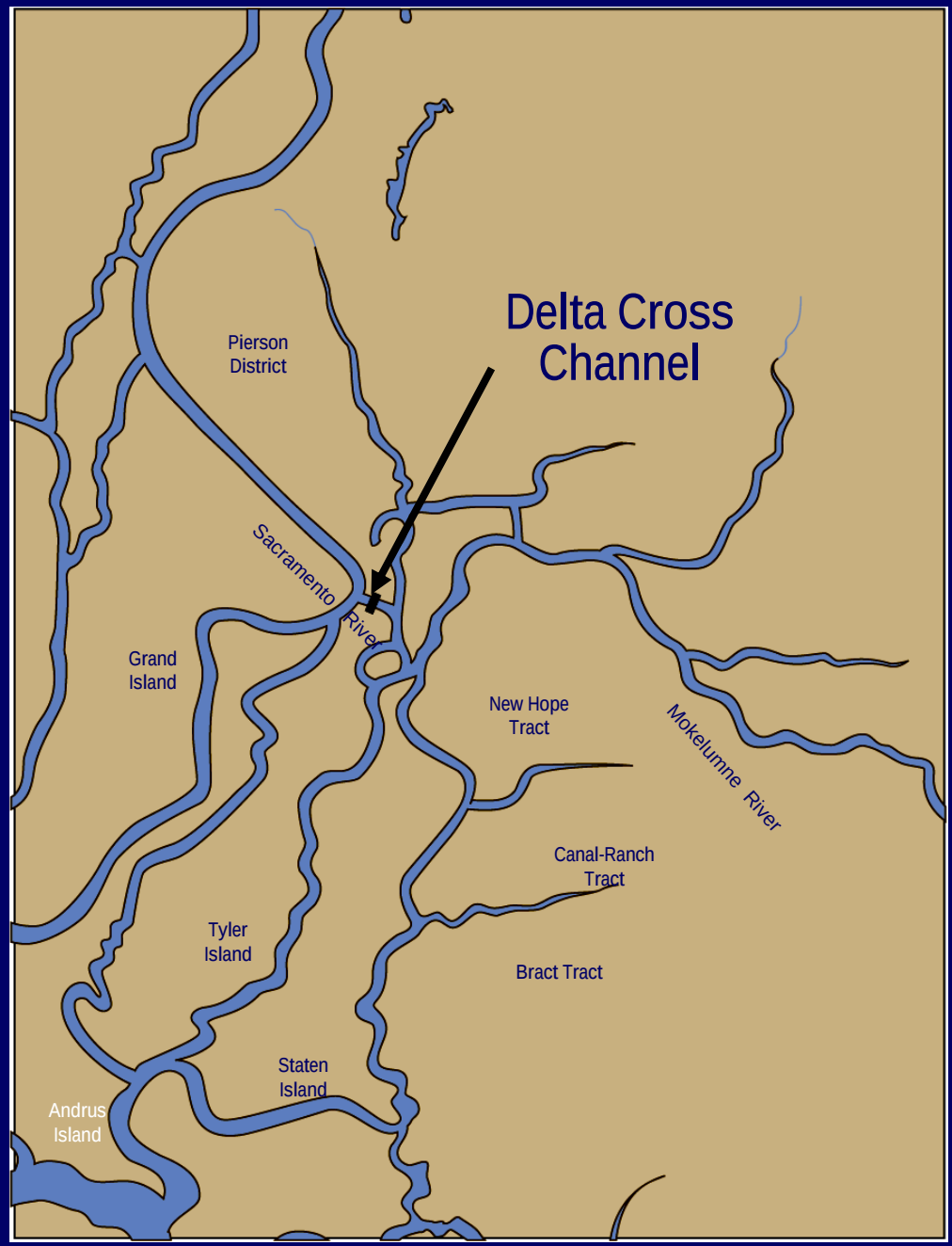
Delta Cross Channel /Through Delta Facility What we've learned to date

- Two dimensional modeling studies show:
  - Accurately simulate actual water quality data
  - Show potential for significant reduction in salinity for DCC/TDF/FT
  - Salinity reduction can be significantly improved with an operational structure

Delta Cross Channel

Field studies show:

- DDC operations have regional affects
- Circulation patterns at bends in rivers affect fish behavior
- Fish move in the water column - day and night conditions
- Reconfiguration of slough entrances may reduce fish entrainment



Delta Cross Channel/ Through Delta Facility

Summary of Salinity (EC) Reduction

	SWP	CVP	CCWD Old River	CCWD Rock Slough
TDF Sep 2002 (Dry)	**26.2%**	**22.0%**	**27.1%**	**25.0%**
TDF/FT Sep 2002 (Dry)	**32.4%**	**26.5%**	**35.9%**	**35.1%**
DCC Tidal Dec 1999 (Wet)*	**6.9%**	**4.0%**	**10.4%**	**8.5%**
DCC Dawn-Dusk Dec 1999 (Wet)*	**12.5%**	**7.2%**	**19.3%**	**16.4%**

* DCC closed thru Dec 14

TDF Major Features

- Intake Facility
  - Trash Rack
  - Floodgate
  - Fish Screens
  - Fish Bypass Channel
- Unlined canal
- Siphons at water crossings
- Bridges at major road crossing
- Pumping plant

Delta Cross Channel/ Through Delta Facility –Future Work Plan

- Continue water quality modeling for long-term operations
- Conduct a regional hydrodynamic/fish study
- Evaluate fishery impacts/benefits
- Develop project recommendations

Delta Cross Channel/Through Delta Facility Project Schedule