



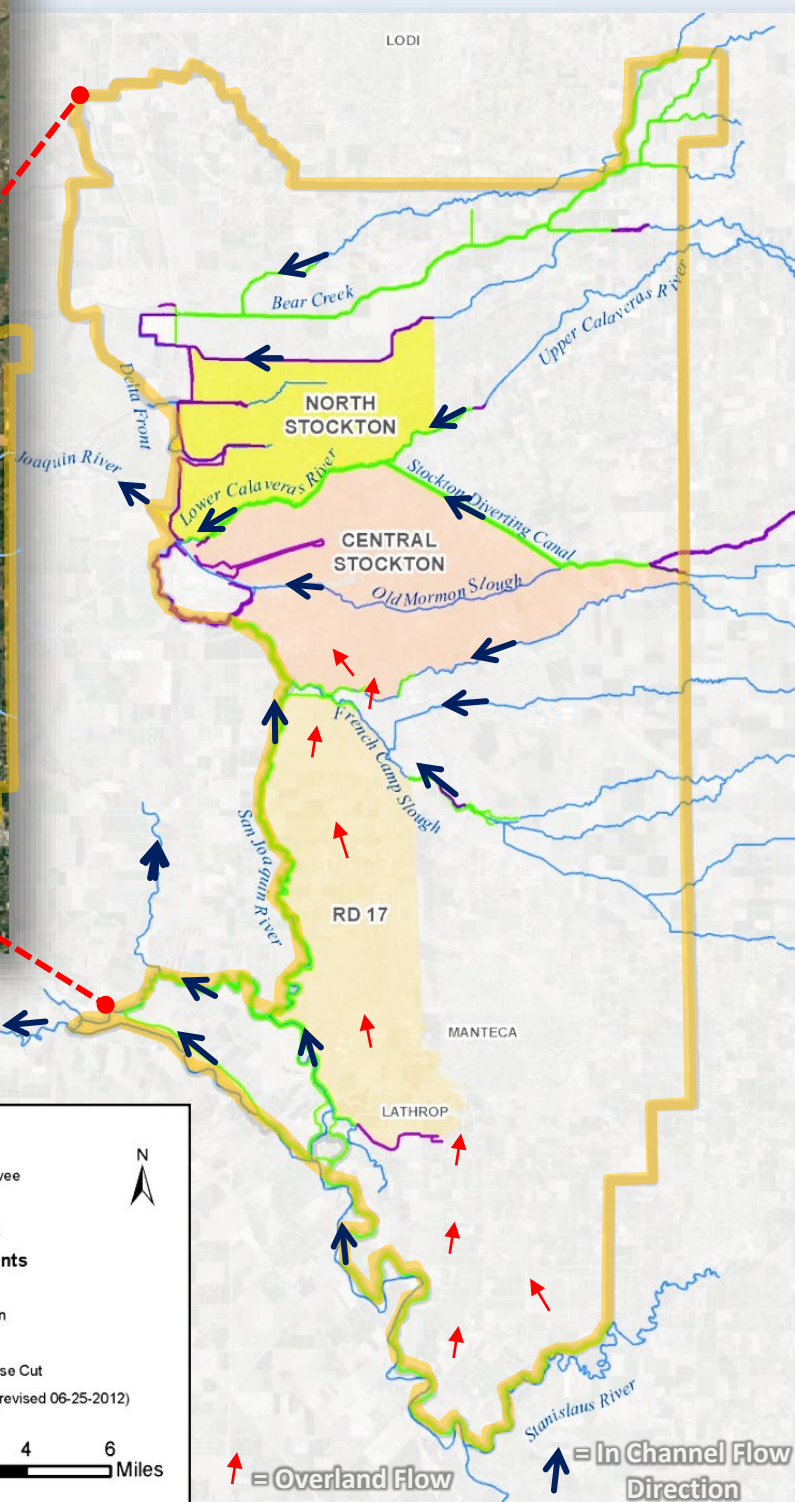
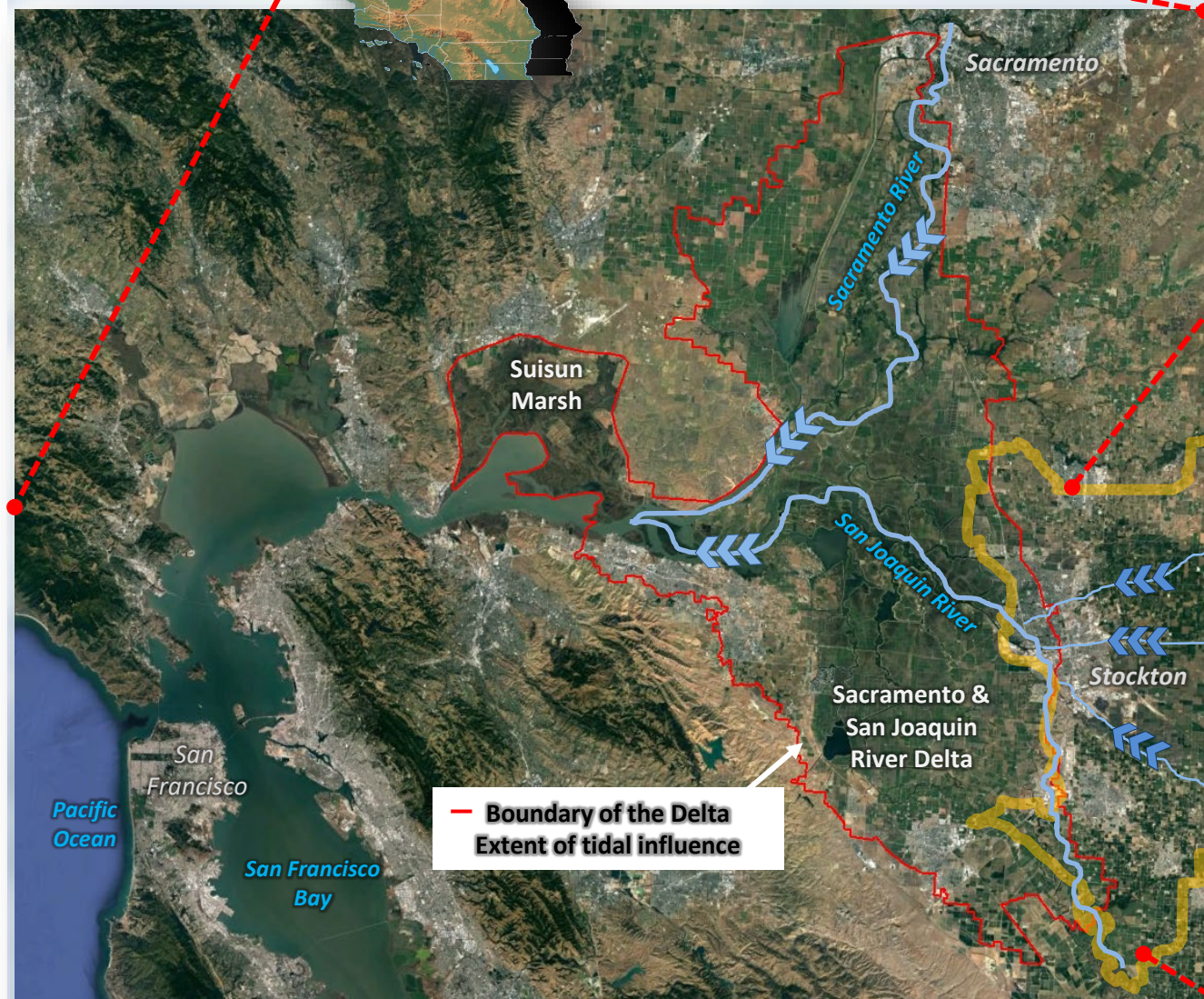
San Joaquin River Basin

Lower San Joaquin River, California

SJAFCA
San Joaquin Area FLOOD CONTROL Agency



Project Area



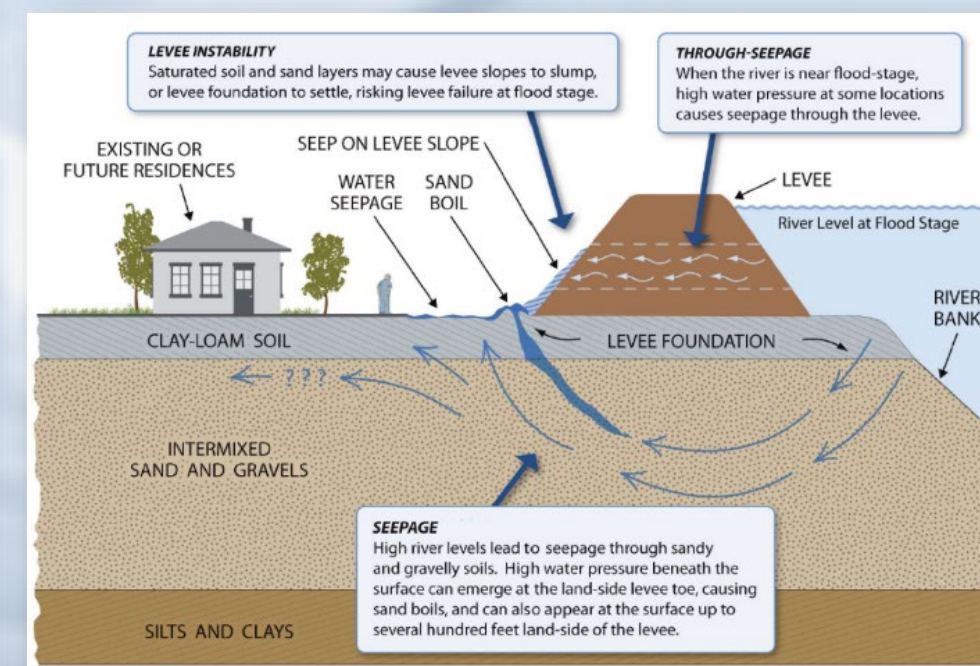
Stockton is a major commercial and industrial center (Port of Stockton), and an important gateway to the Central Valley.



Stockton Floods 1955

Problems

- The City of Stockton and surrounding areas are at risk of flooding from multiple sources, including comingled flows from the San Joaquin and Sacramento Rivers combined with Delta high tides and flow from Sierra Nevada streams
- Significant flood risk to public safety and property are at risk in the project area)



Residential development adjacent to levees

Typical levee seepage and stability problems



San Joaquin River Basin

Lower San Joaquin River, California

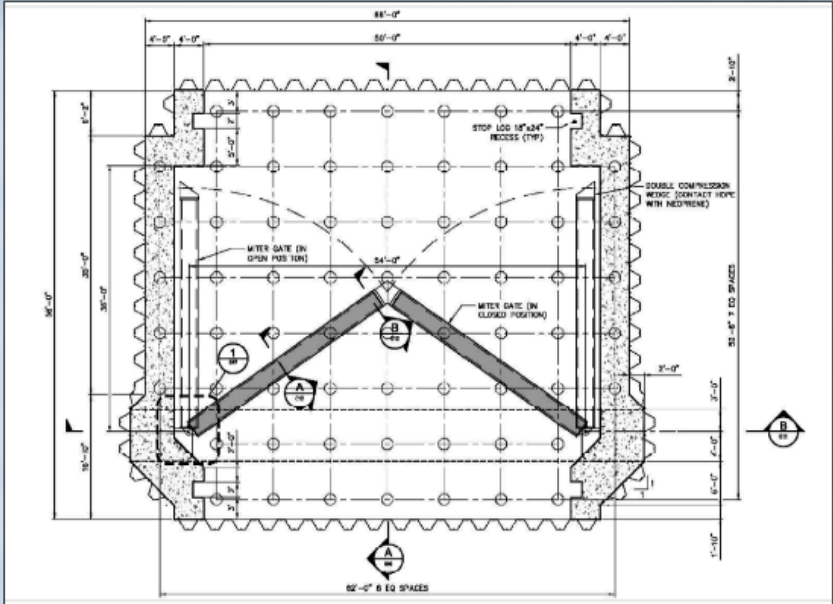


Project Plan

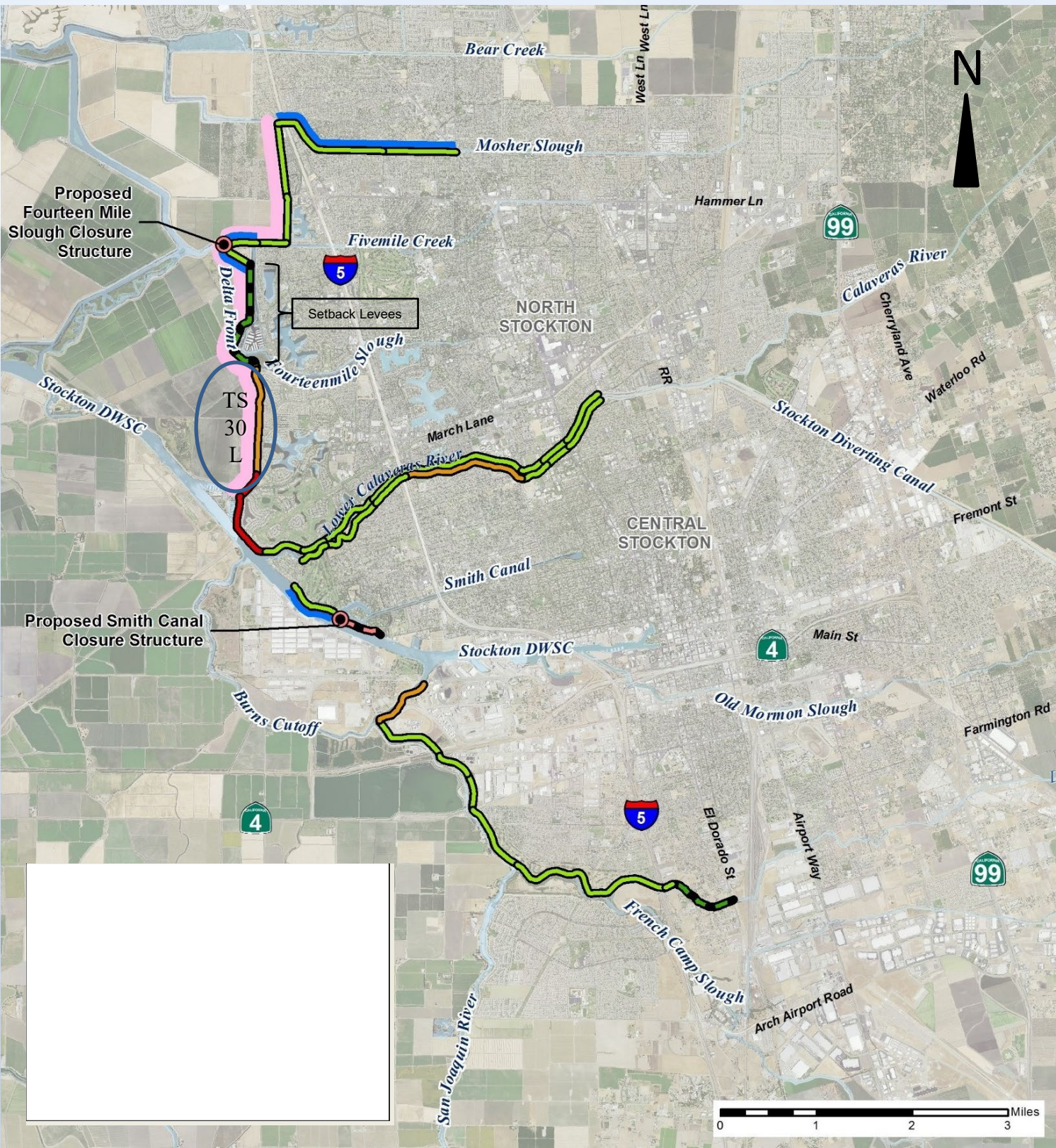
Cutoff Walls	23.7 miles
Seismic Fixes	1.1 miles
Levee Raises (between 1.4' - 4.0')	3.4 miles
New Setback Levee	1.3 miles
Geometry Improvements (levee reshaping)	4.5 miles
Erosion Protection	5.0 miles
New Levee	0.8 miles
Closure Structures (2 locations)	0.6 miles
TOTAL Miles of Improvements (* some features combine and overlap)	40.4* miles
Estimated Project Completion Year	2032

BENEFITS OF PROJECT PLAN

- Reduces flood risk to people, property, and critical infrastructure in the city of Stockton
- Provides benefits to 162,000 residents



Example drawing of closure structure
(Source: SJAFCAL, Smith Canal Final EIR)



Economic Summary (\$1,000)

TOTAL First Cost	\$1,070,309
Annual Interest and Amortization (Oct 2017 price levels)	\$ 47,237
OMRR&R	\$ 1,062
TOTAL Annual Cost	\$ 48,299
Total Annual Benefits	\$ 330,444
Net Annual Benefits	\$ 296,725
Benefit to Cost Ratio	7.14 to 1.0

PROJECT COST SHARE

- Federal: **65%**
- Non-Fed Sponsors: **35%**
 - San Joaquin Area Flood Control Agency
 - Central Valley Flood Protection Board (supported by CA Department of Water Resources)

PPA – EXECUTED 30SEP2020

PROJECT ACHIEVEMENTS (2021/2022):

- Reach TS30L Value Engineering: **MAR2021**
- TS30L 65% Design: **JUN2021**
- TS30L 95% Design: **SEP2021**
- Geotech Contract Awarded: **SEP2021**
- TS30L 100% Design: **FEB2022**

PROJECT SCHEDULE (2022/2023):

- TS30L Plans/Specs Complete: **JUL2022**
- Cost Cert Update: **SEP2022**
- Design start of next reach(es): **DEC2022**
- TS30L BCOES Complete: **SEP2023**
- TS30L Ready to Advertise: **OCT2023**
- TS30L Construction: **2024**