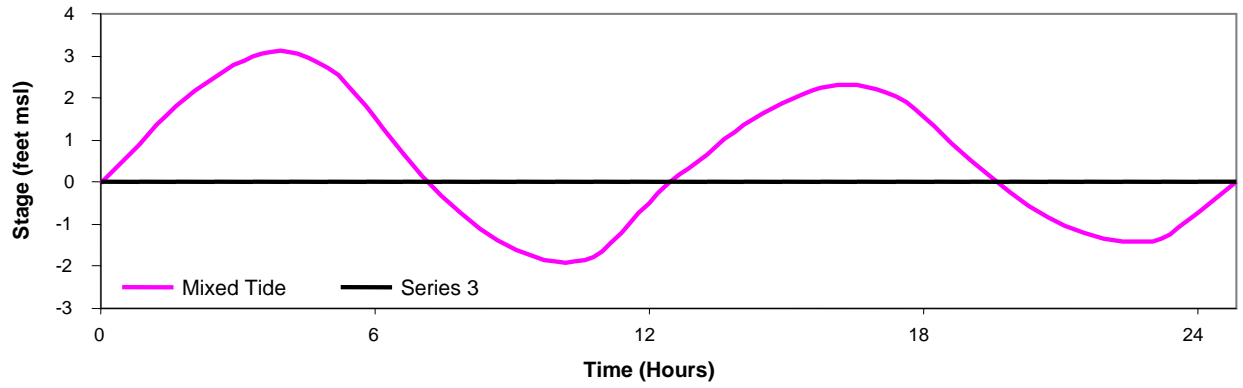
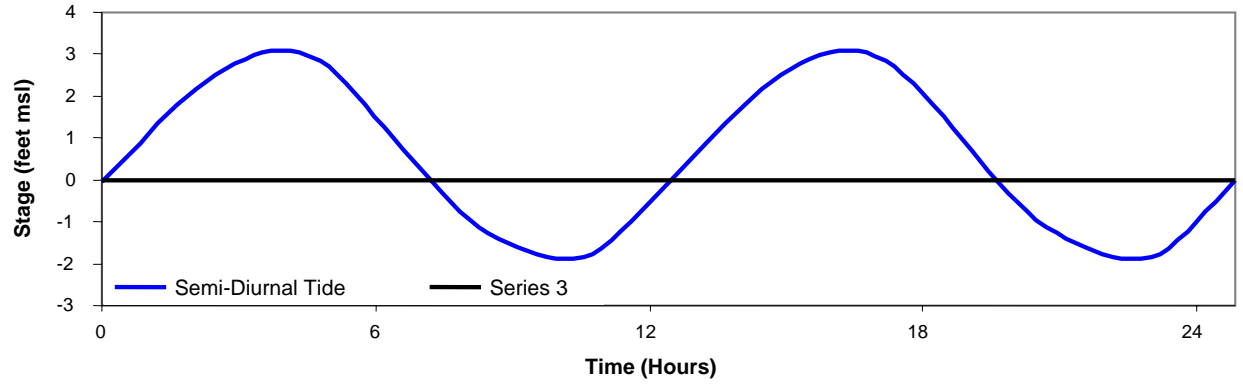
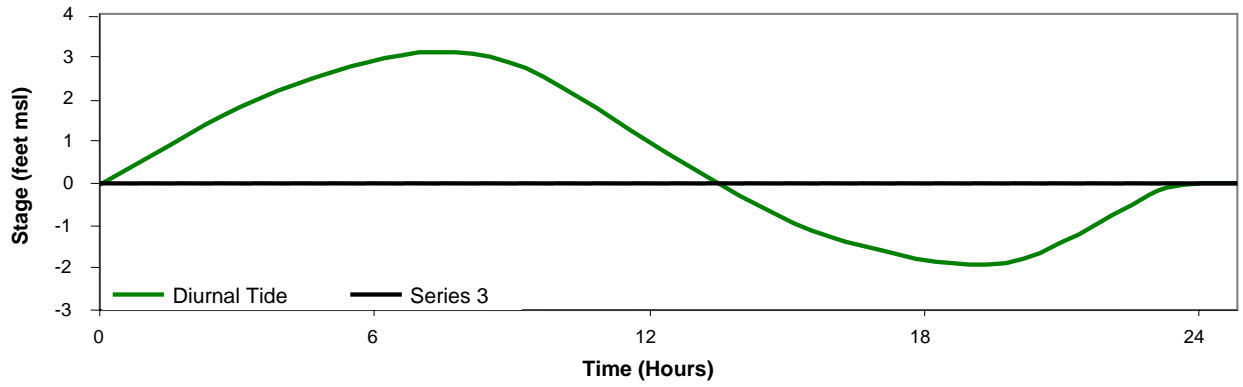


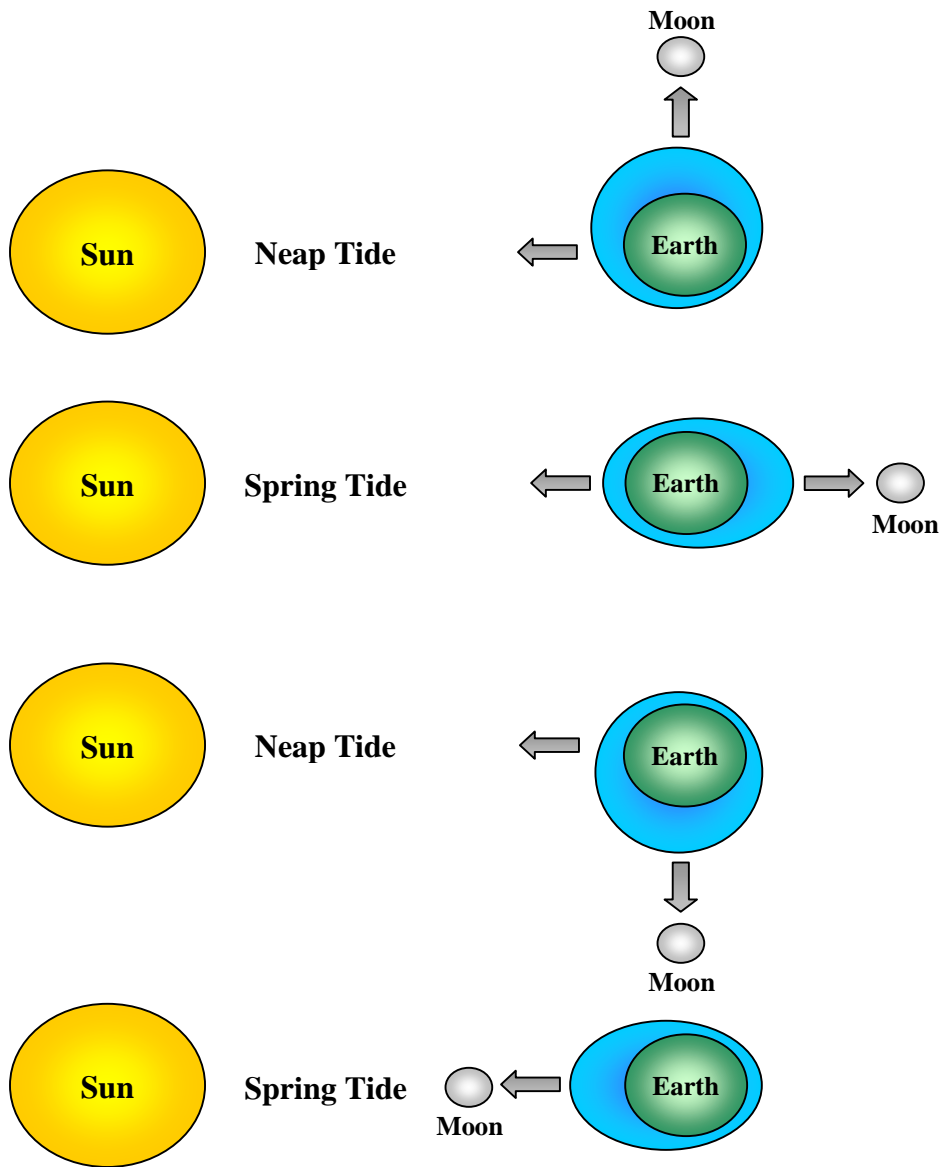
02053.02.101

Figure D-40
DSM2-Simulated and Measured Tidal Flow
in Grant Line Canal at Tracy Boulevard Bridge for
January 1997–September 1999 and February 17–March 2, 1996



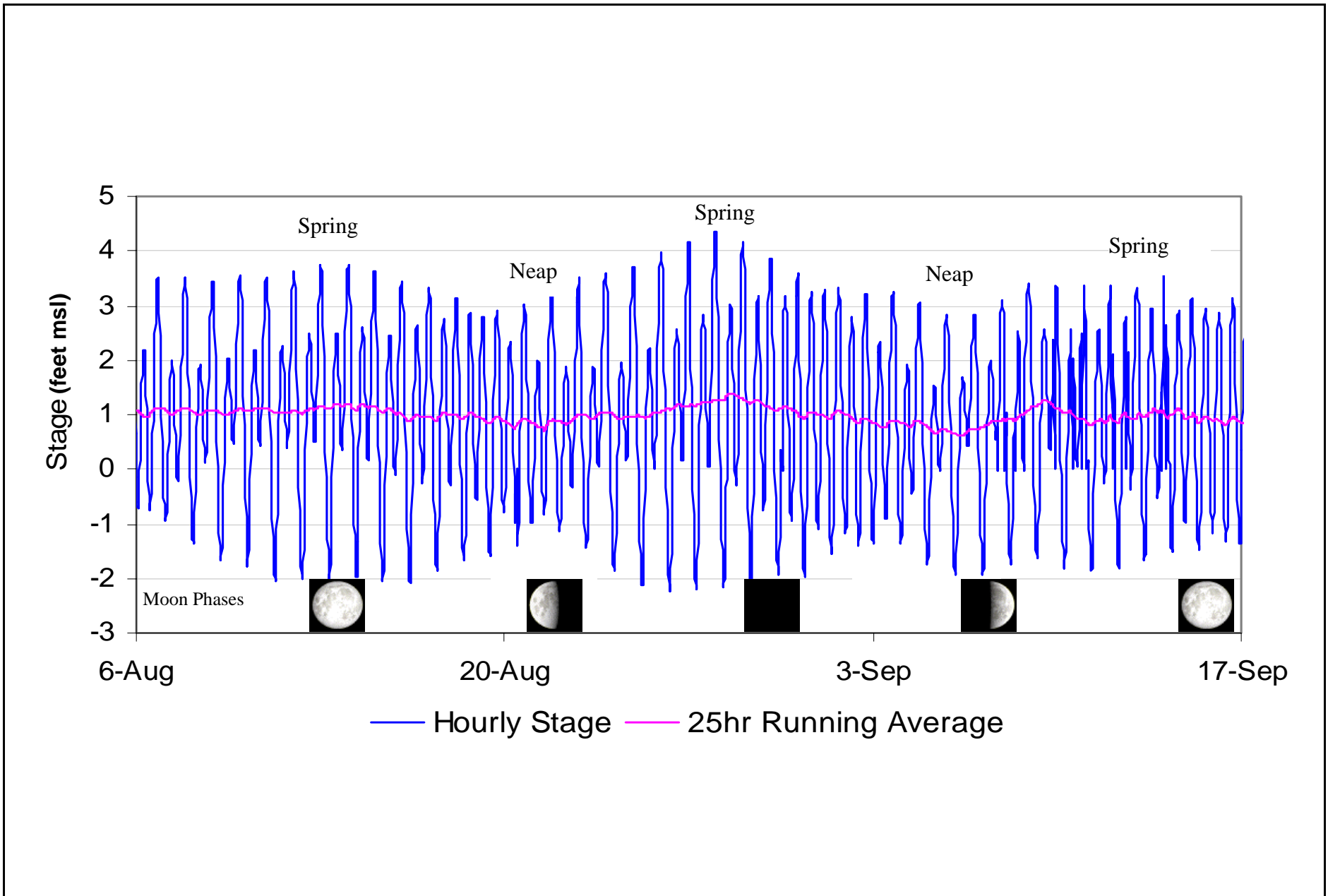
02053.02.101

Figure D-41
General Types of Tidal Cycles



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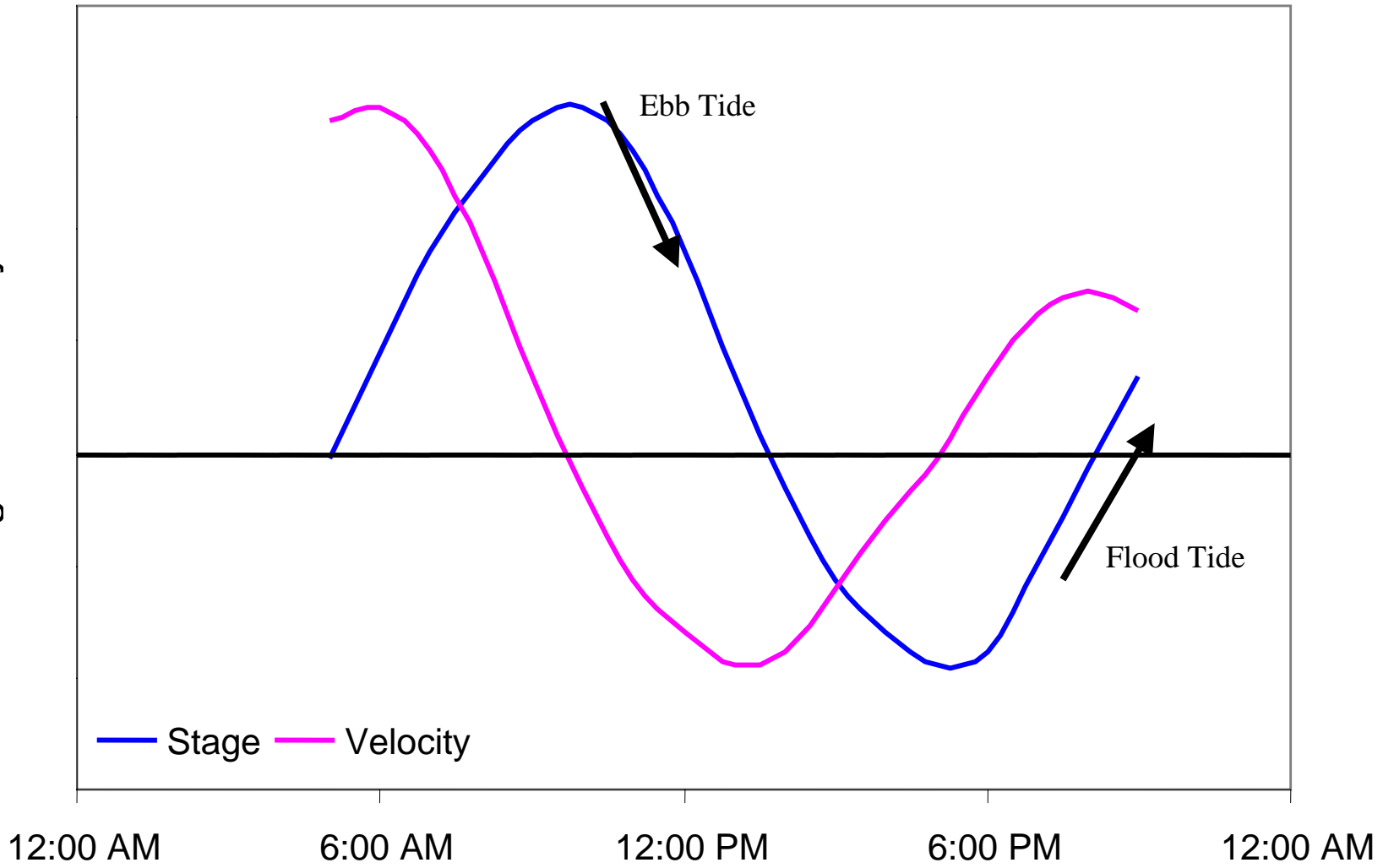
Figure D-42
Conceptualization of the Effects
of the Sun and Moon on Tides



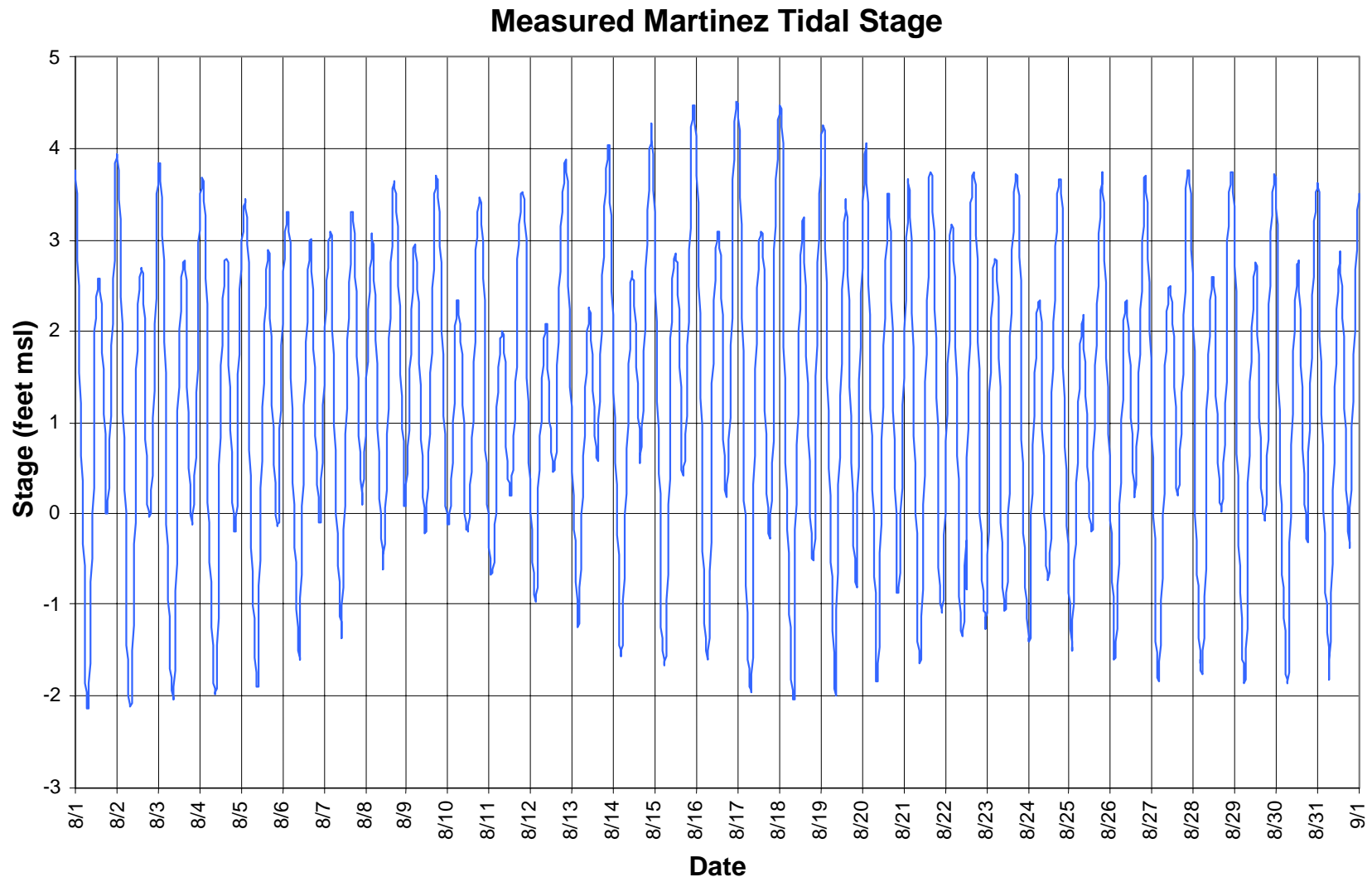
02053.02.101

Figure D-43
Spring and Neap Tides at Martinez, California,
August and September 2000

Stage or Velocity

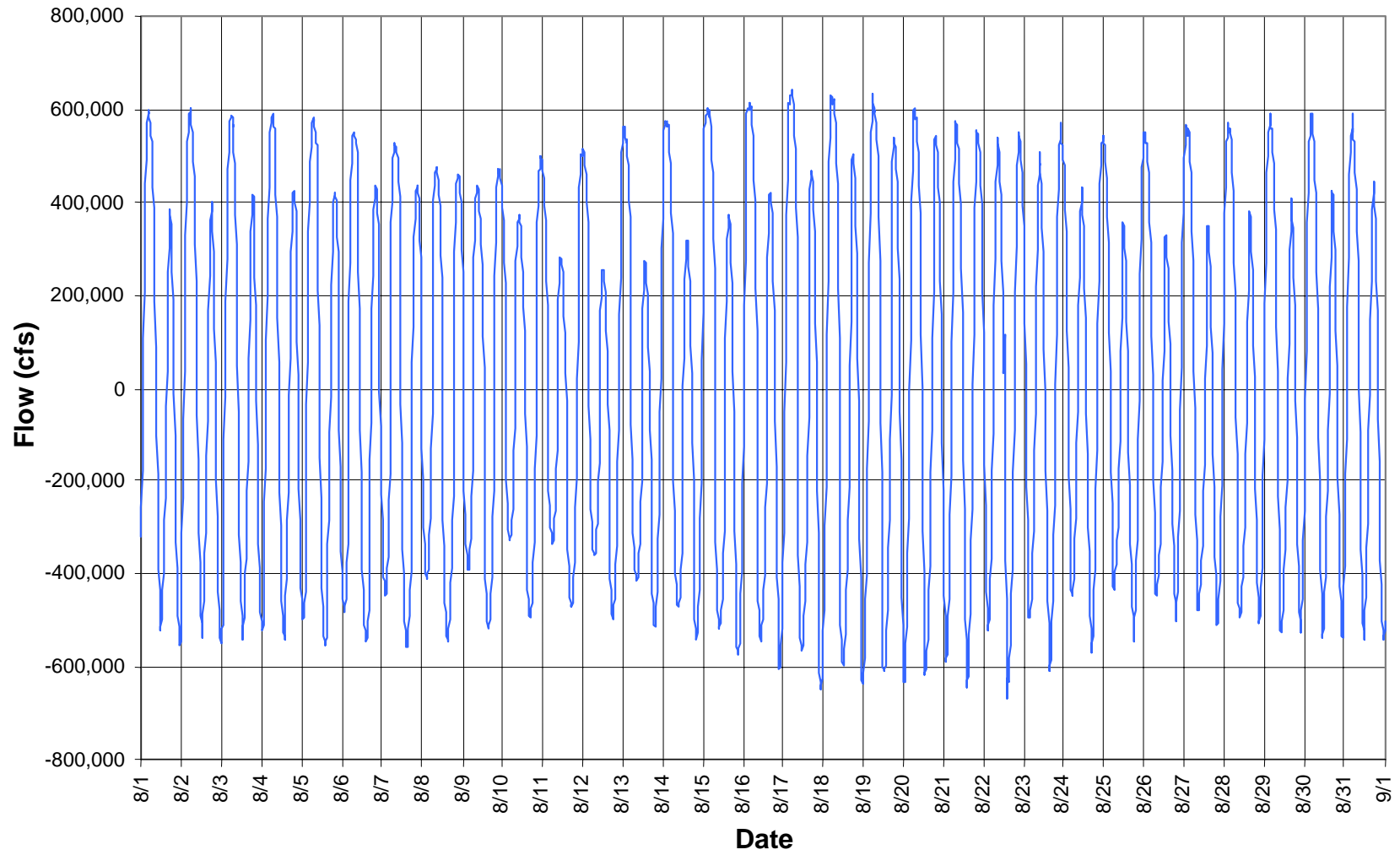


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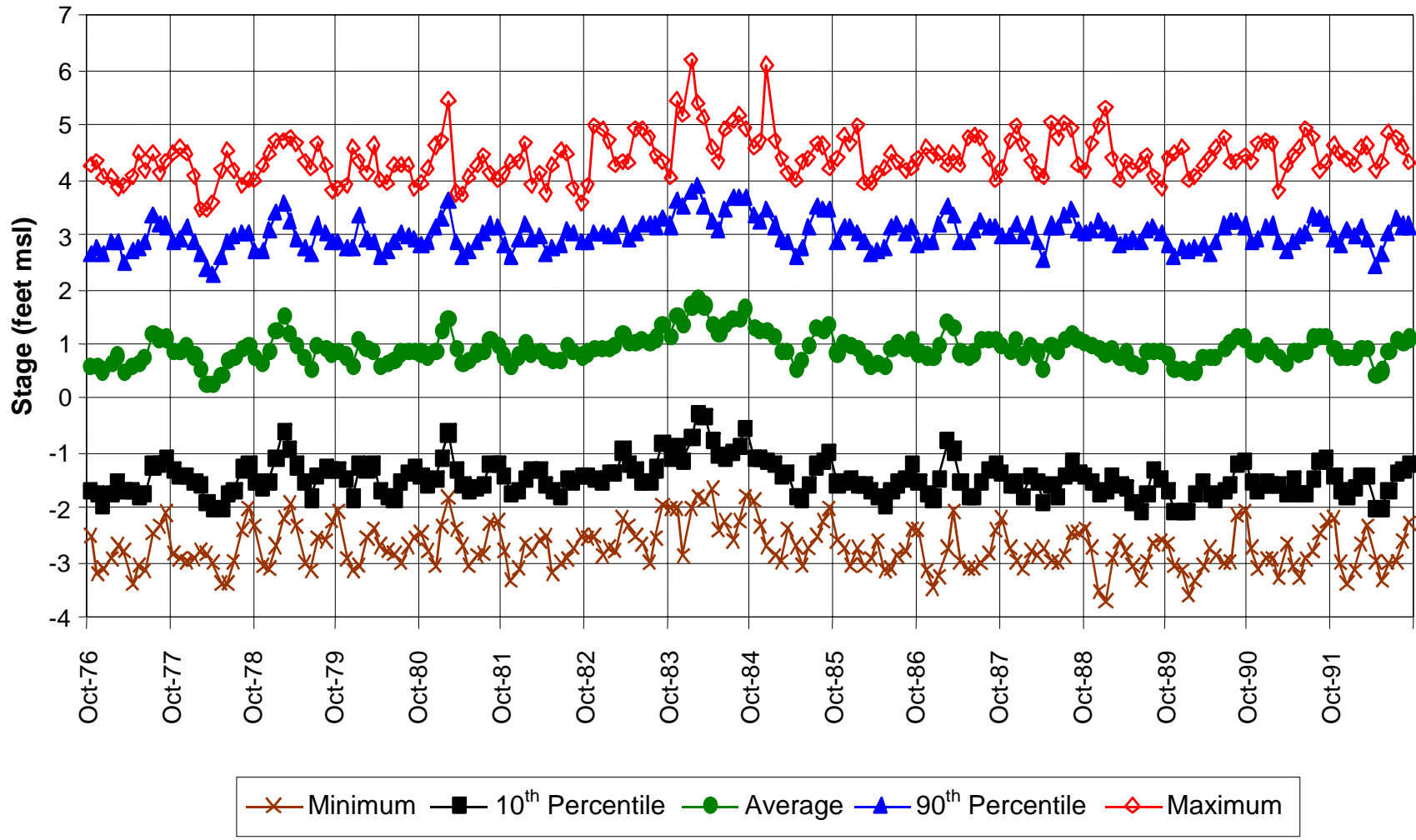
Martinez Simulated Tidal Flow



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Figure D-46
Simulated Tidal Flow at Martinez, August 1997

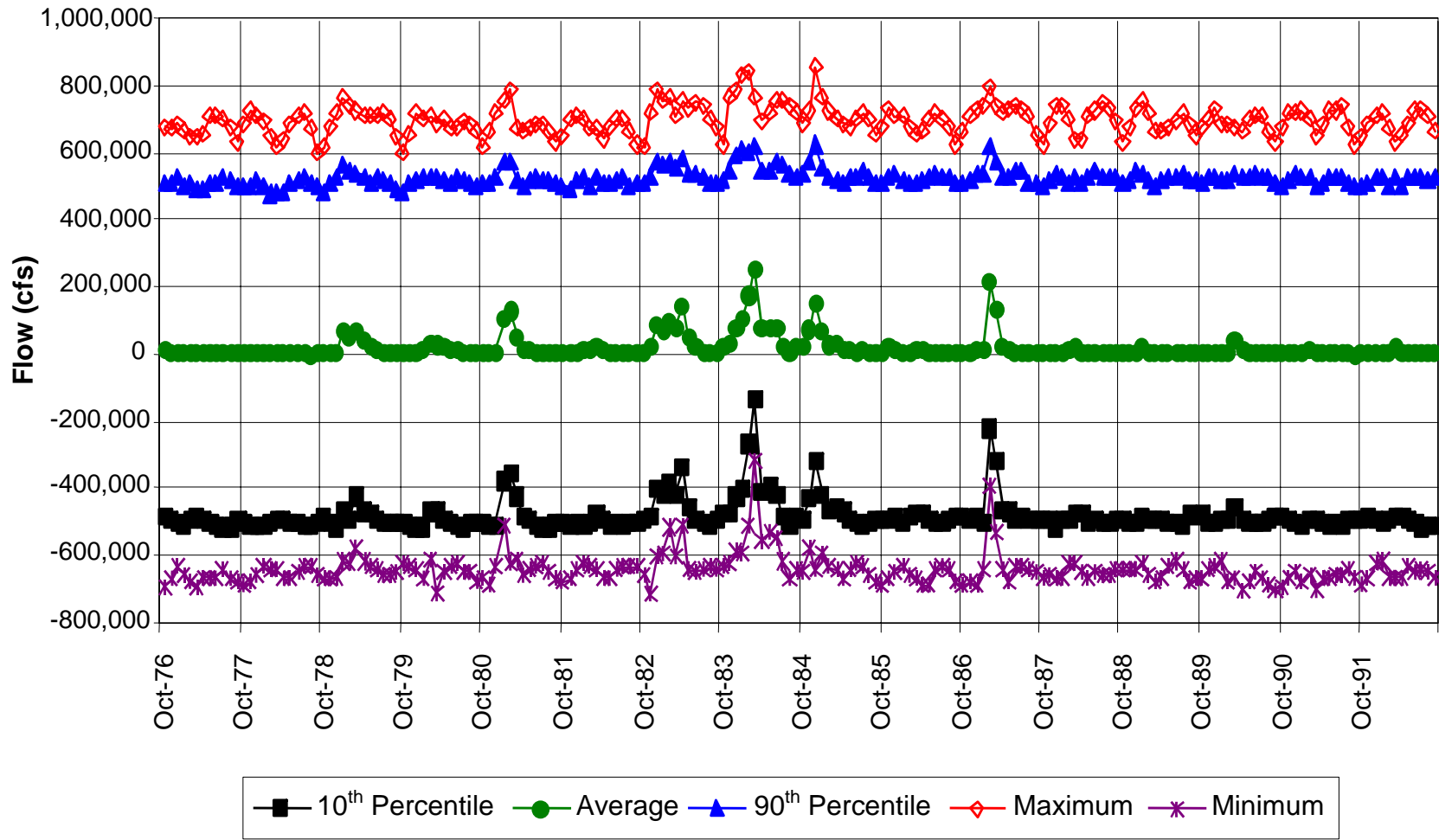
Tidal Stage at Martinez



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Figure D-47
Distribution of Simulated Tidal Stage at
Martinez, Water Years 1976–1991

Tidal Flows at Martinez

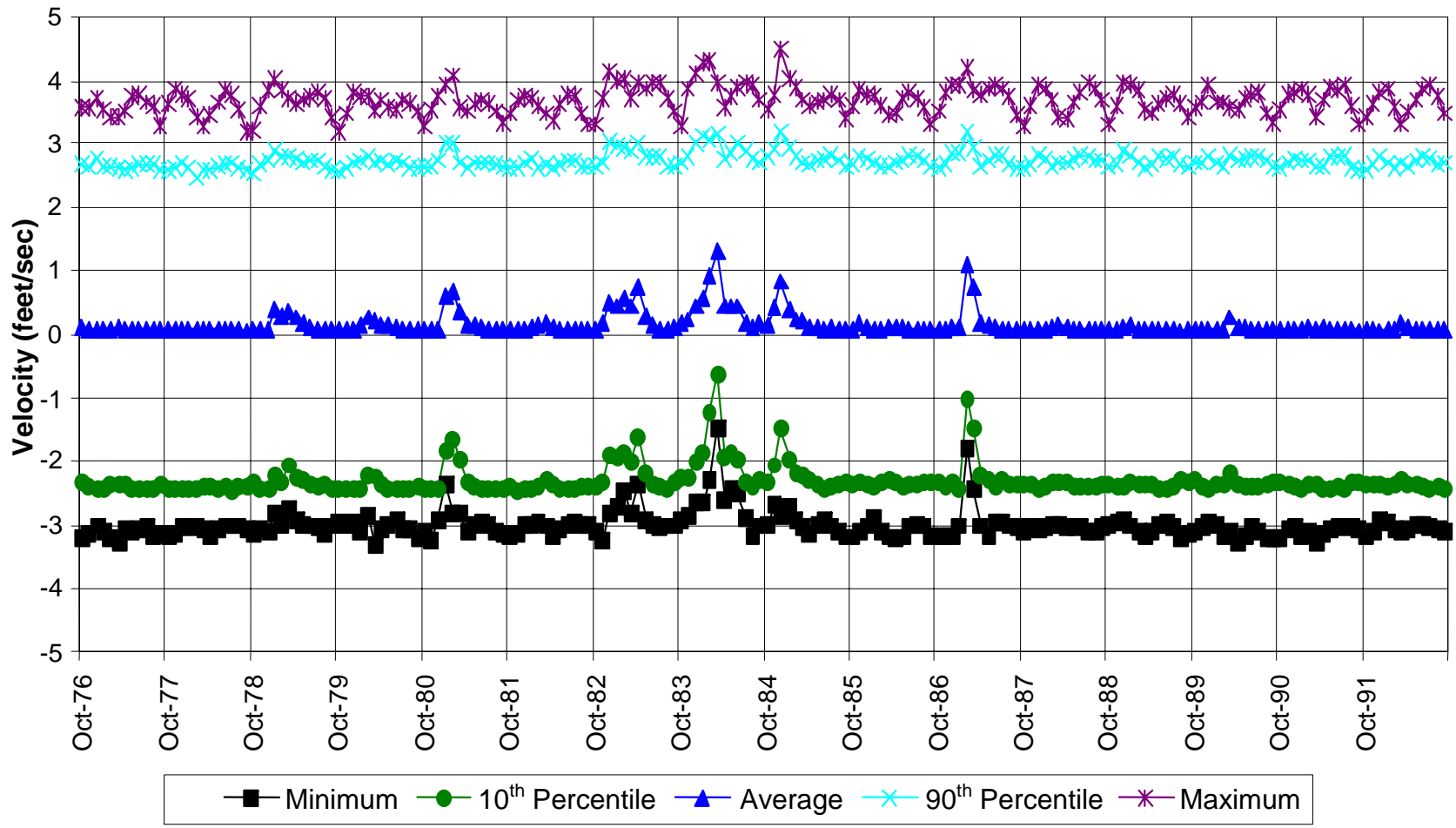


02053.02.101

Figure D-48

Distribution of Simulated Tidal Flow at Martinez, Water Years 1976–1991

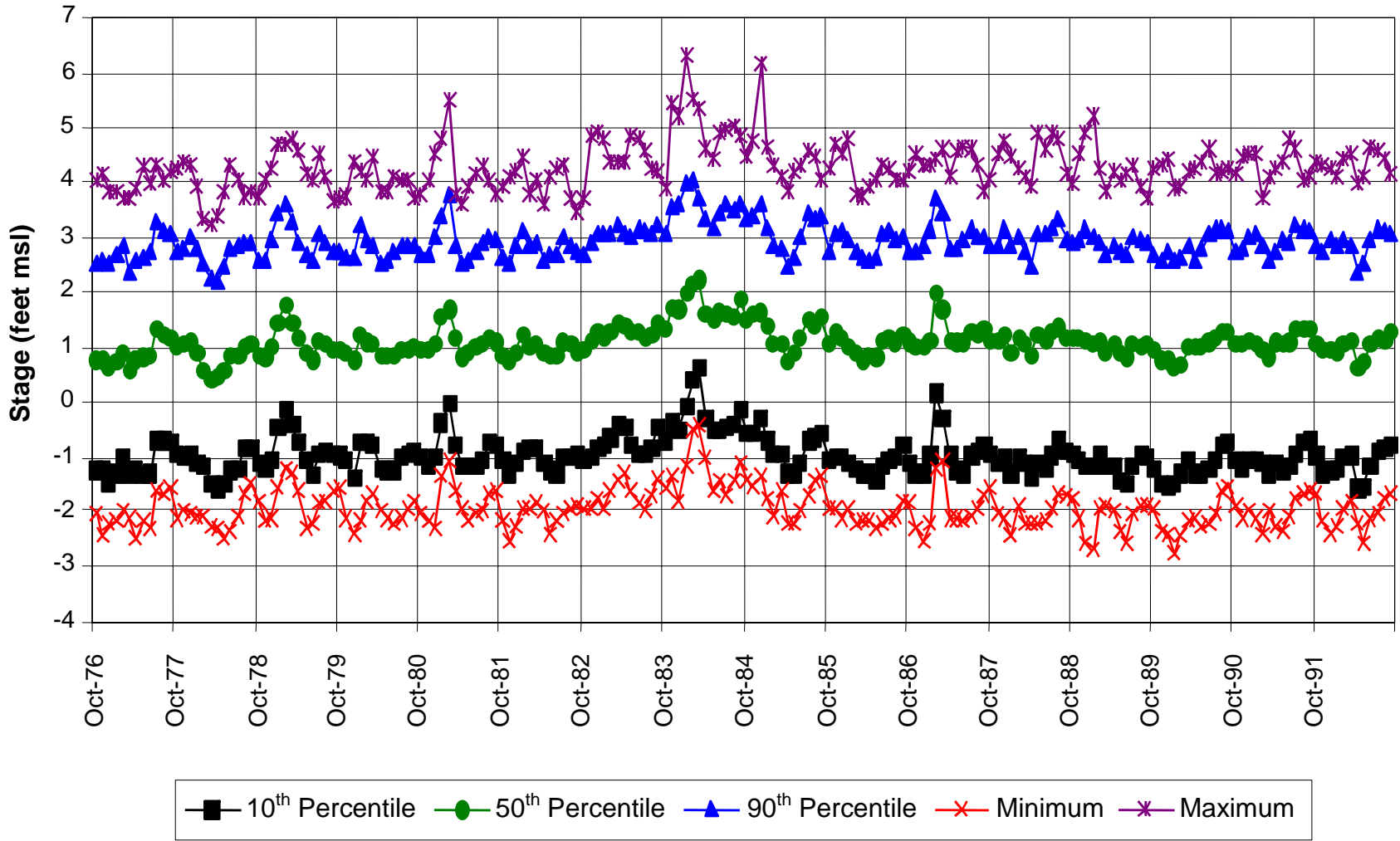
Tidal Velocity at Martinez



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Figure D-49
Distribution of Simulated Tidal Velocities at
Martinez, Water Years 1976–1991

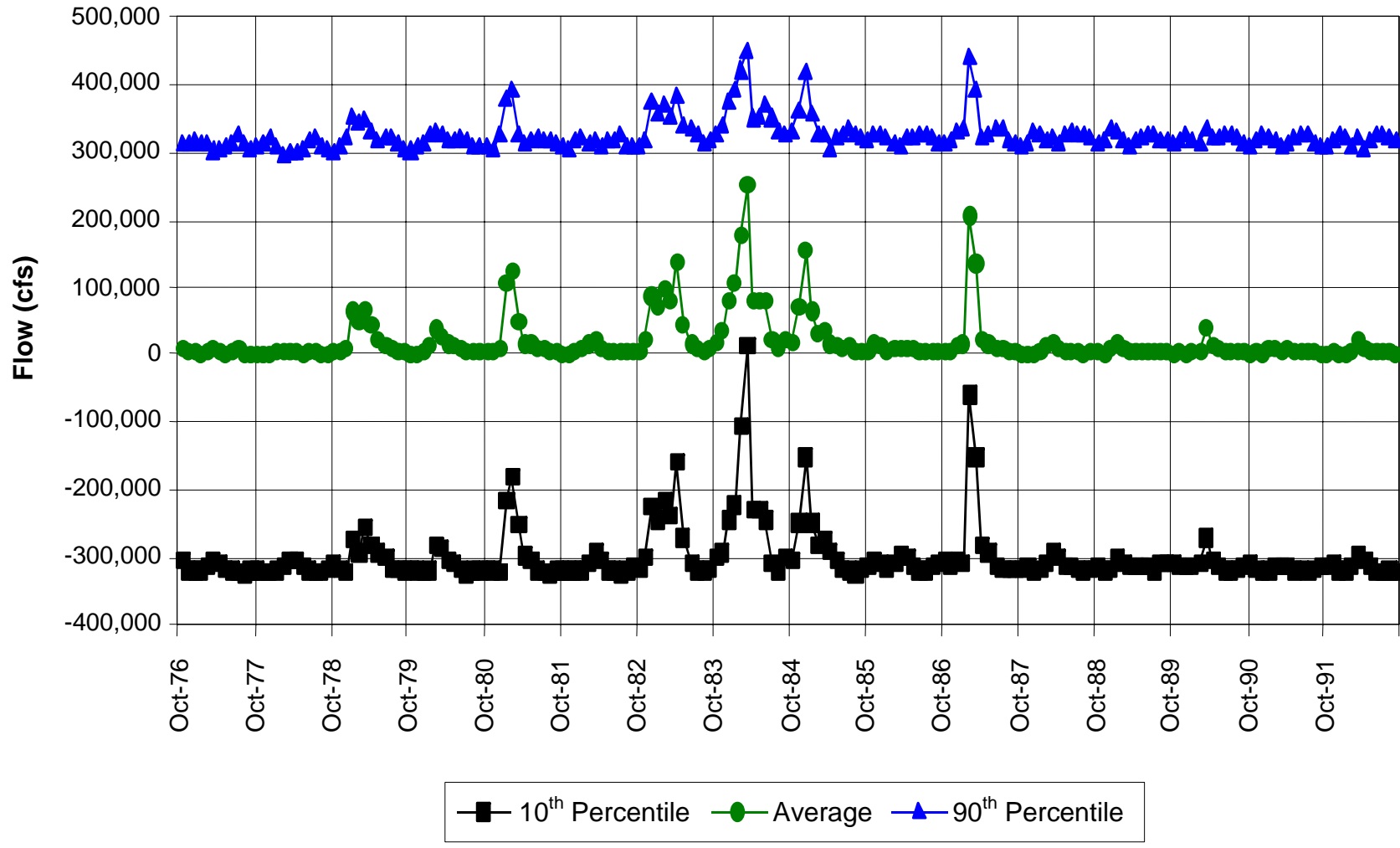
Chippis Island Stage



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Figure D-50
Distribution of Simulated Tidal Stage at
Chippis Island, Water Years 1976–1991

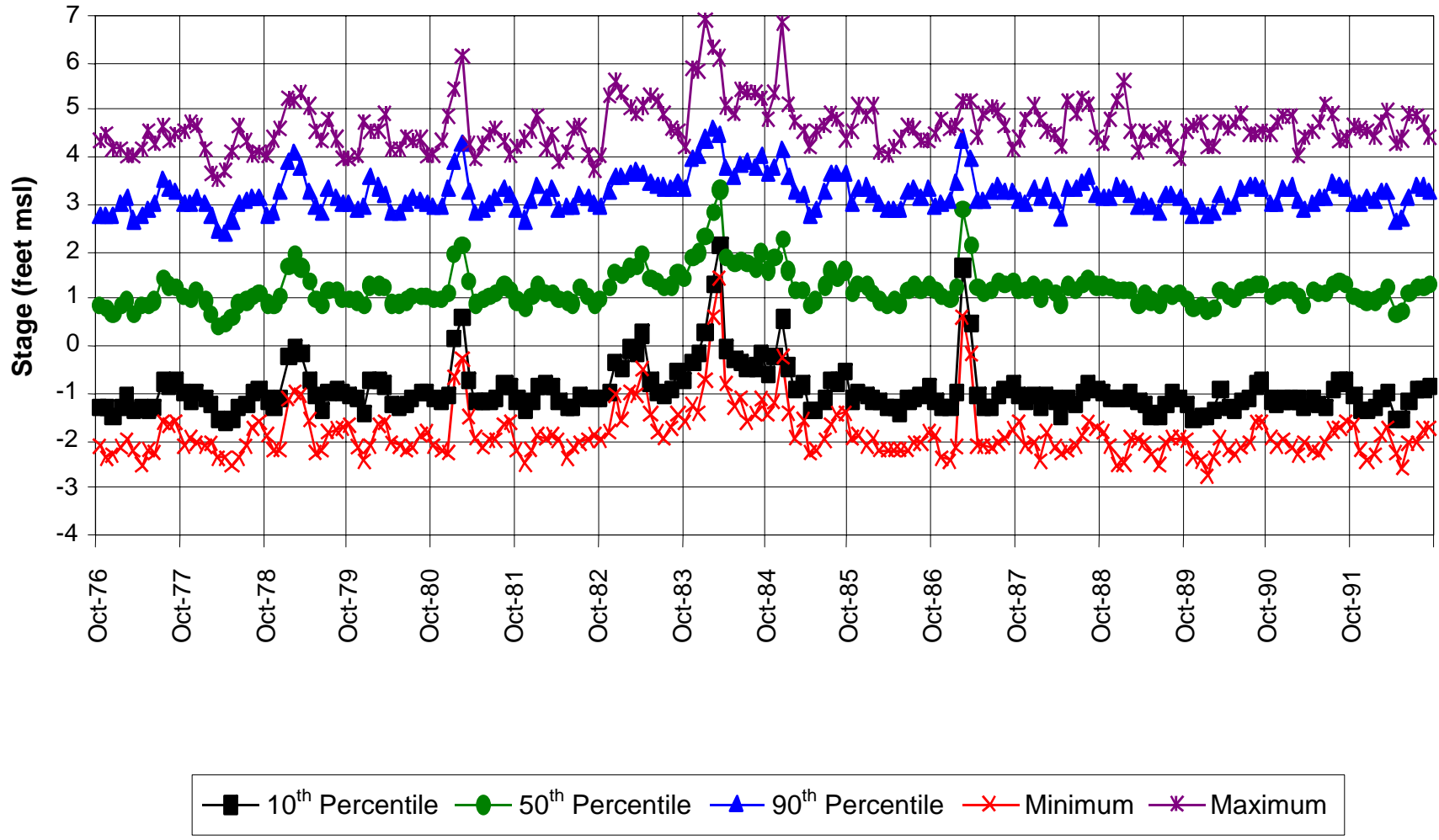
Chippis Island Tidal Flows



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Figure D-51
Distribution of Simulated Tidal Flows at
Chippis Island, Water Years 1976–1991

Tidal Stage in the Sacramento River at Rio Vista

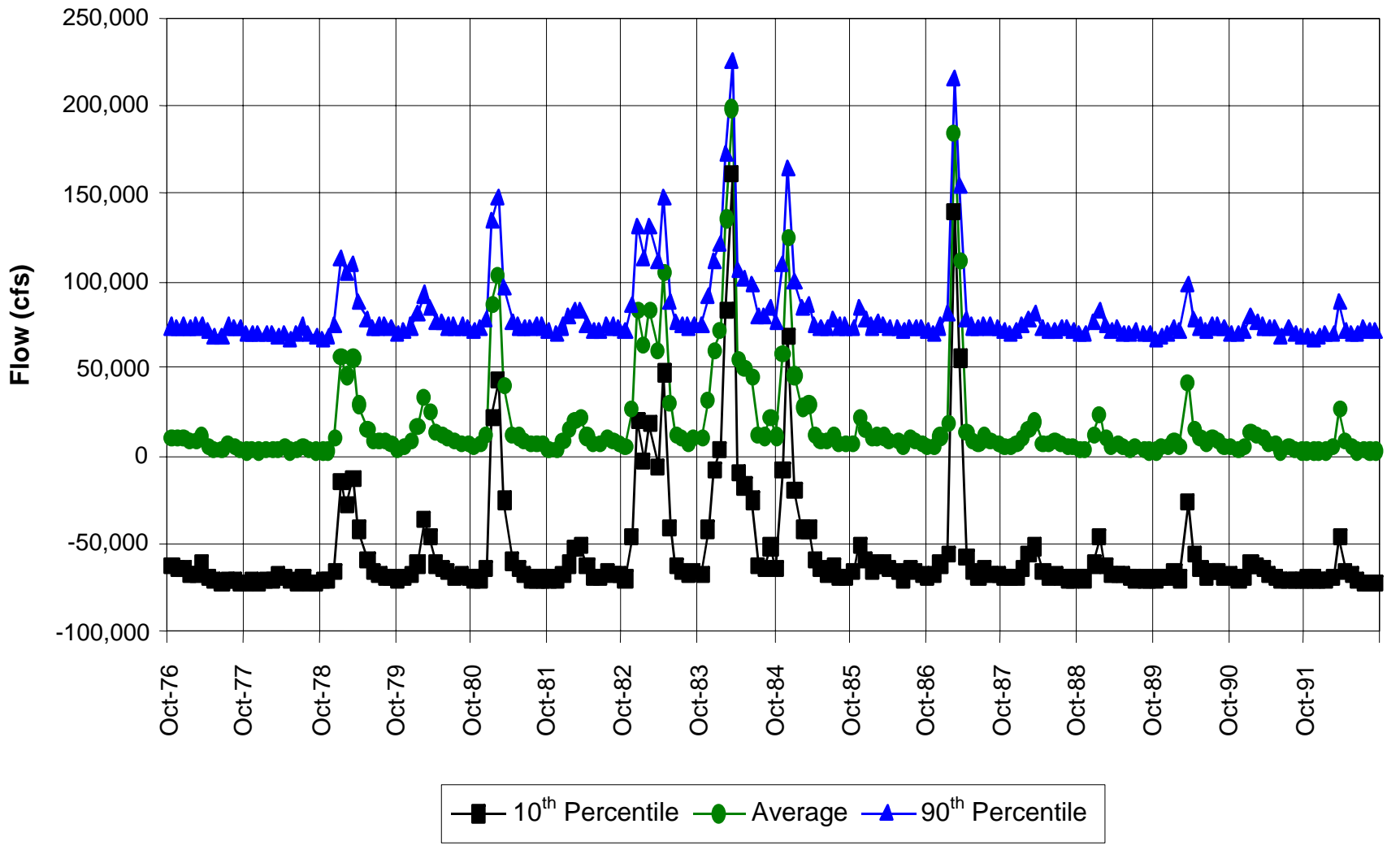


02053.02.101

Figure D-52

Distribution of Simulated Tidal Stage in the Sacramento River at Rio Vista, Water Years 1976–1991

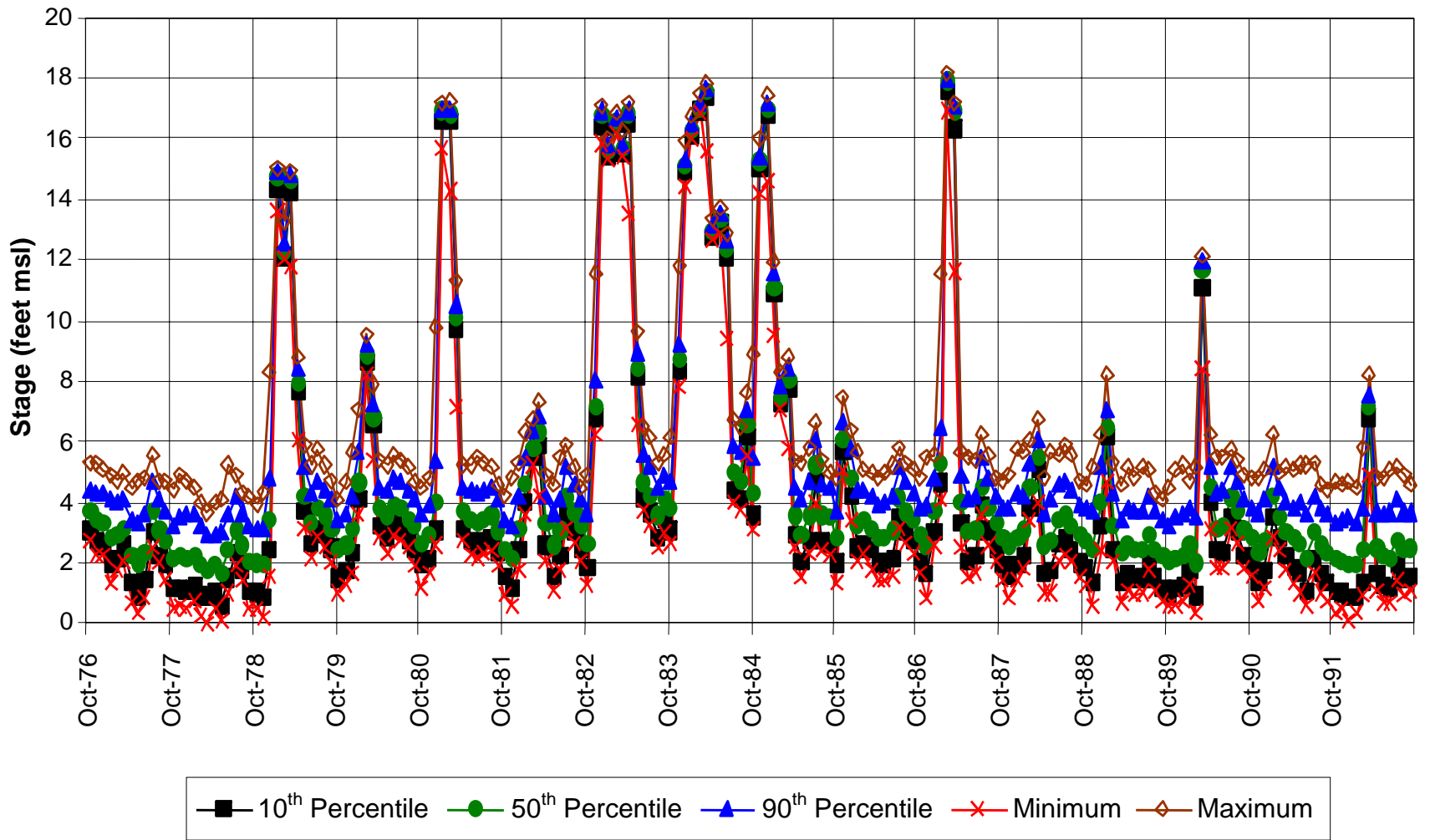
Tidal Flows in the Sacramento River at Rio Vista



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Figure D-53
Distribution of Simulated Tidal Flow in the Sacramento River at Rio Vista, Water Years 1976–1991

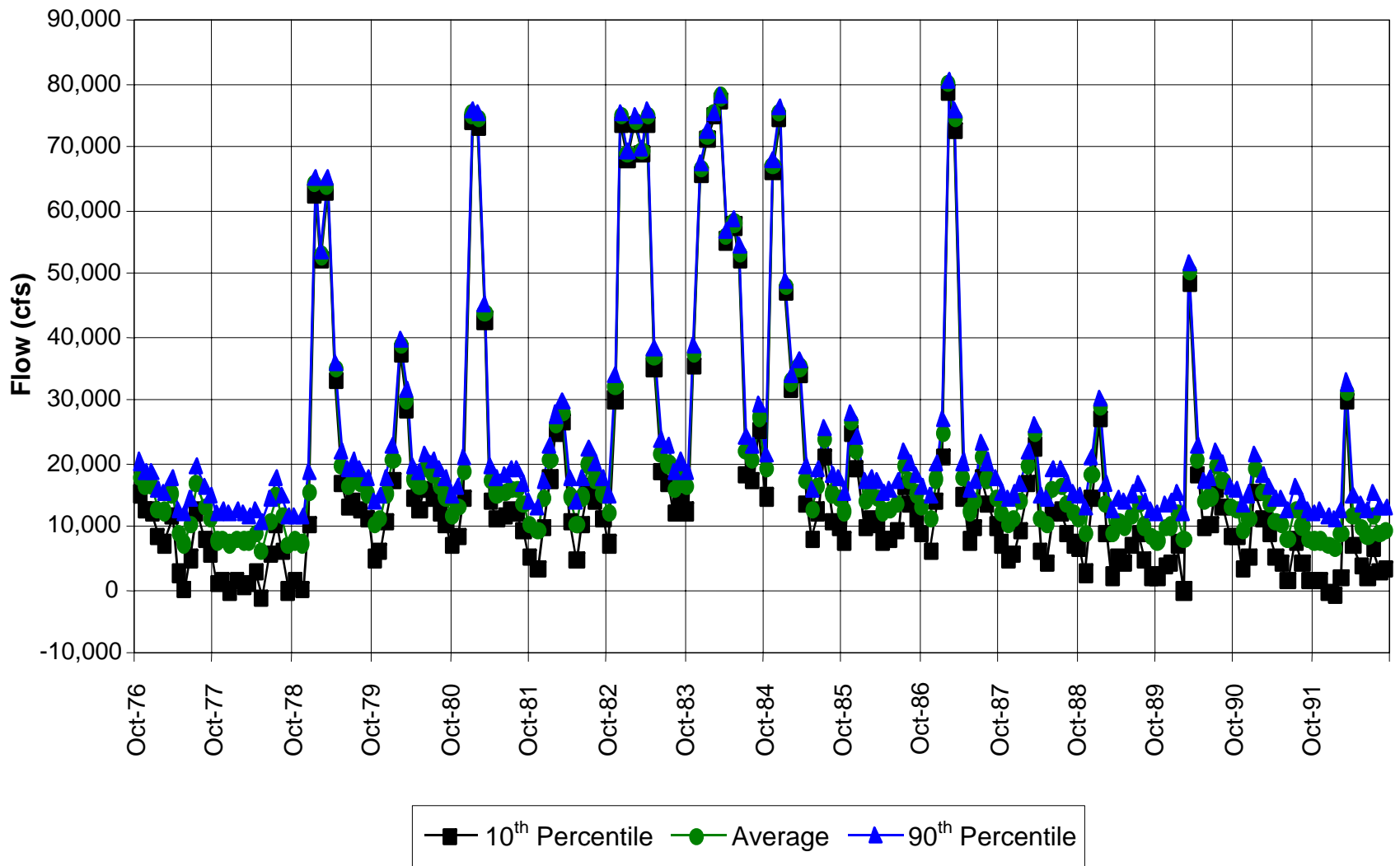
Sacramento River Stage at Freeport



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Figure D-54
Distribution of Simulated River Stage in the Sacramento River at Freeport, Water Years 1976–1991

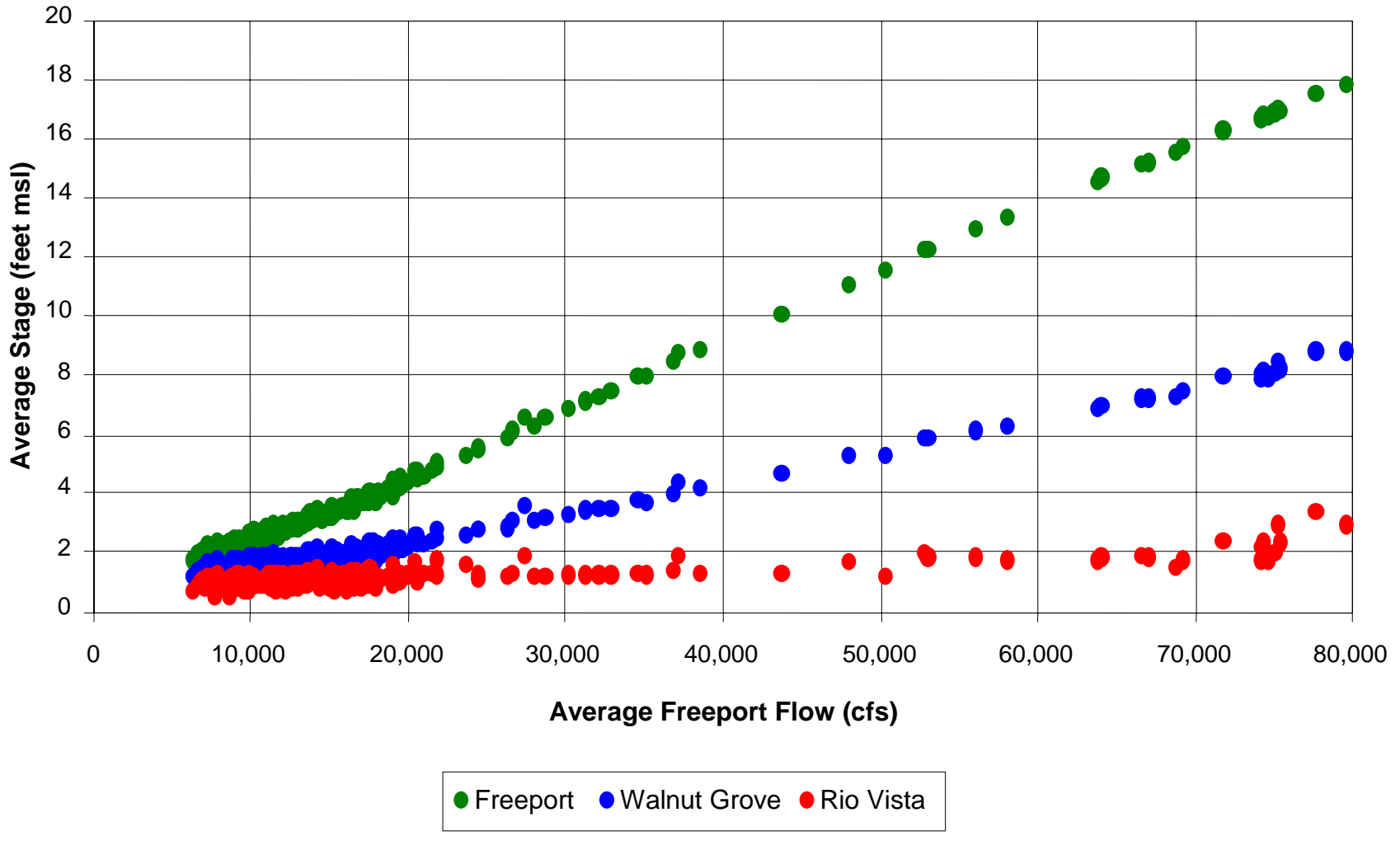
Sacramento River Flow at Freeport



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Figure D-55
Distribution of Simulated River Flow in the Sacramento River at Freeport, Water Years 1976–1991

Sacramento River Stage-Discharge Relationships



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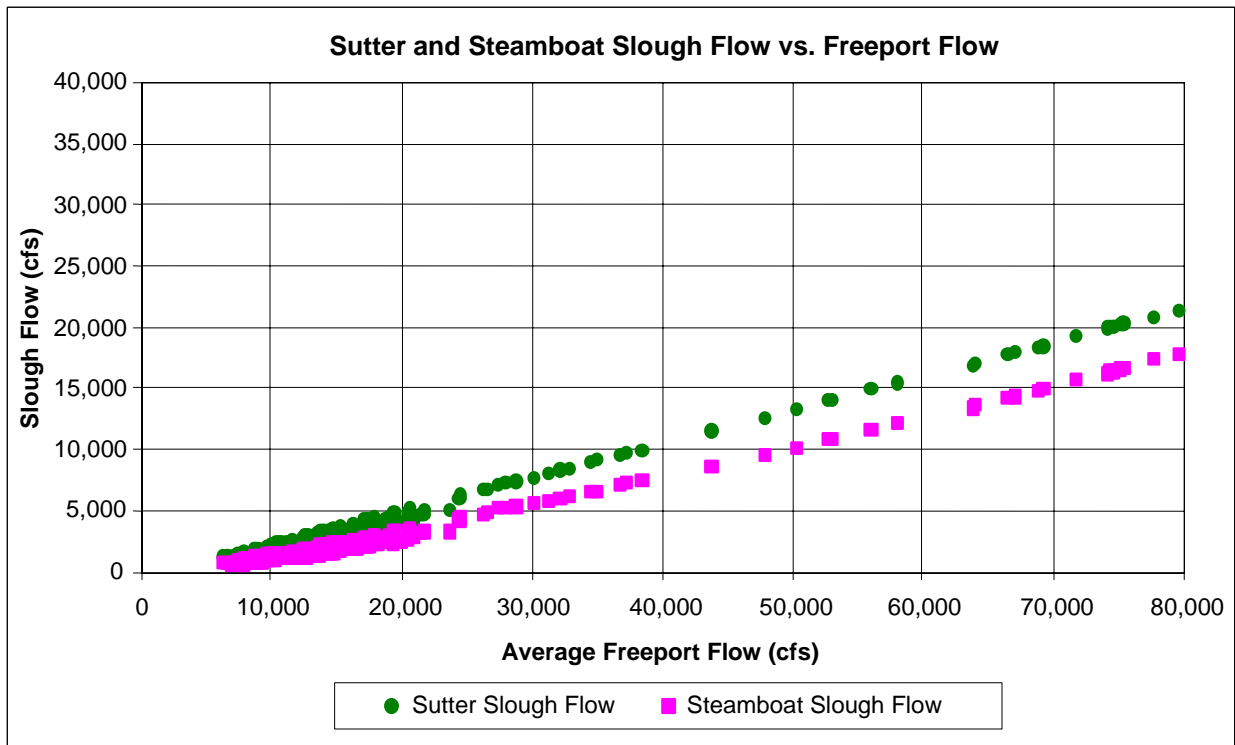


Figure D-57a. Freeport Flow vs. Sutter and Steamboat Sloughs Flow, Water Years 1976–1991

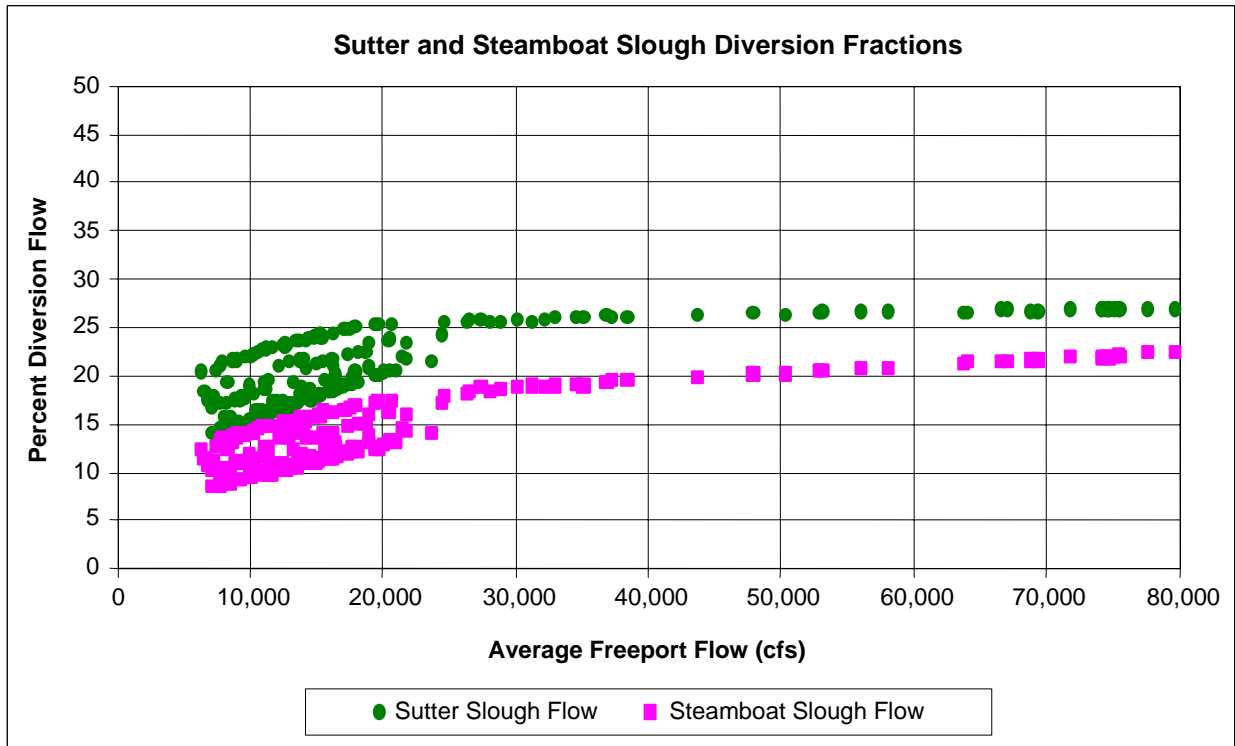


Figure D-57b. Freeport Flow vs. Diversions in Sutter and Steamboat Sloughs, Water Years 1976–1991

02053.02 101

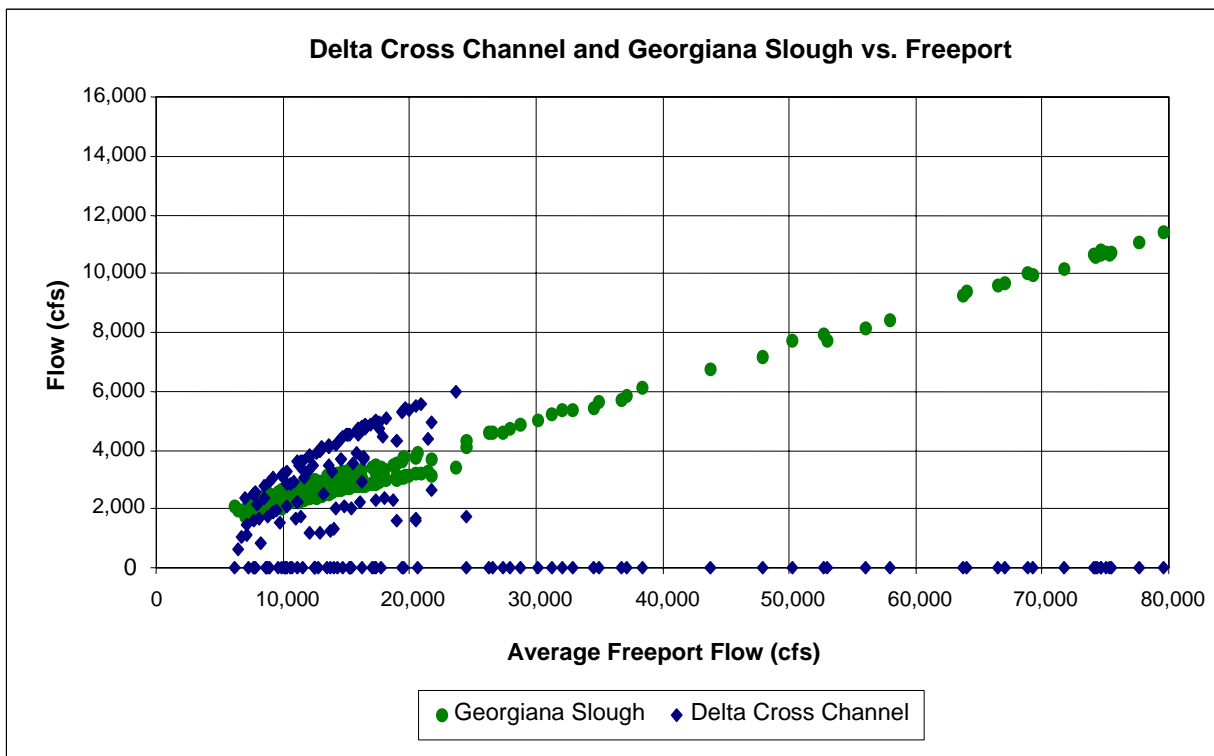


Figure D-58a. Distribution of Simulated Flows in the Delta Cross Channel and Georgiana Slough vs. Average Flow in the Sacramento River at Freeport, Water Years 1976–1991

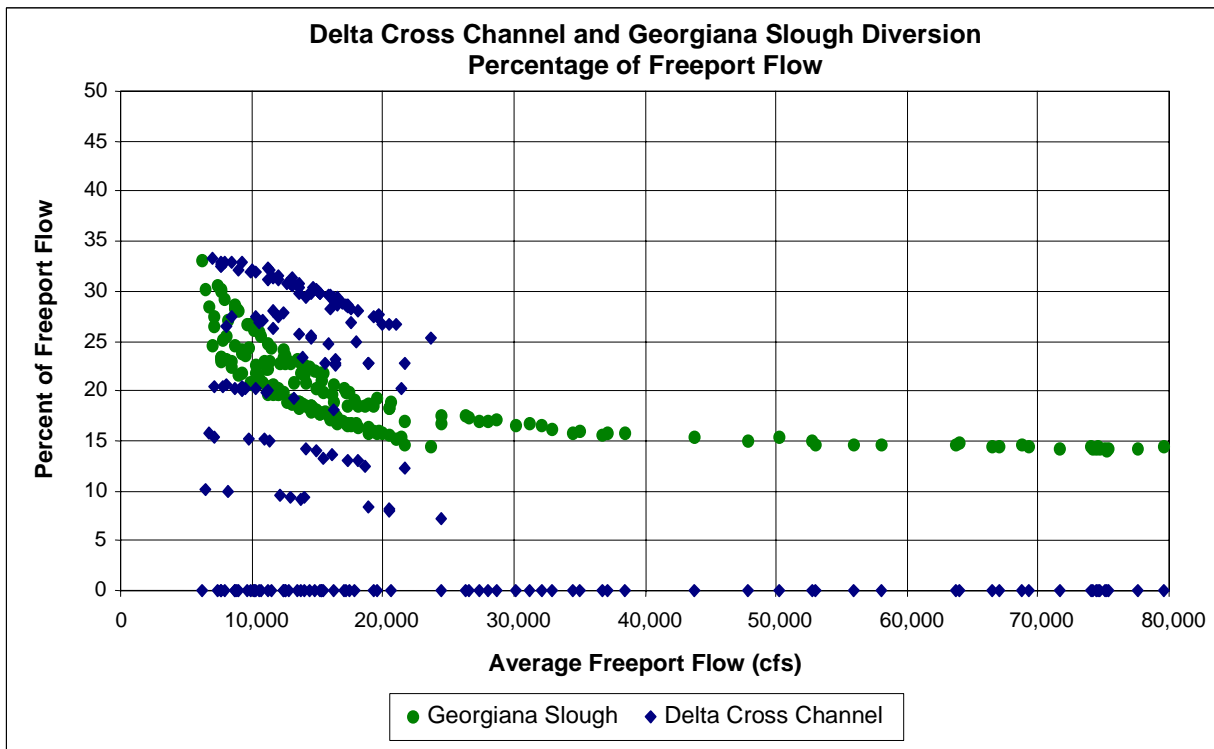


Figure D-58b. Distribution of Simulated Flows in the Delta Cross Channel and Georgiana Slough as a Percentage of Average Flow in the Sacramento River at Freeport, Water Years 1976–1991

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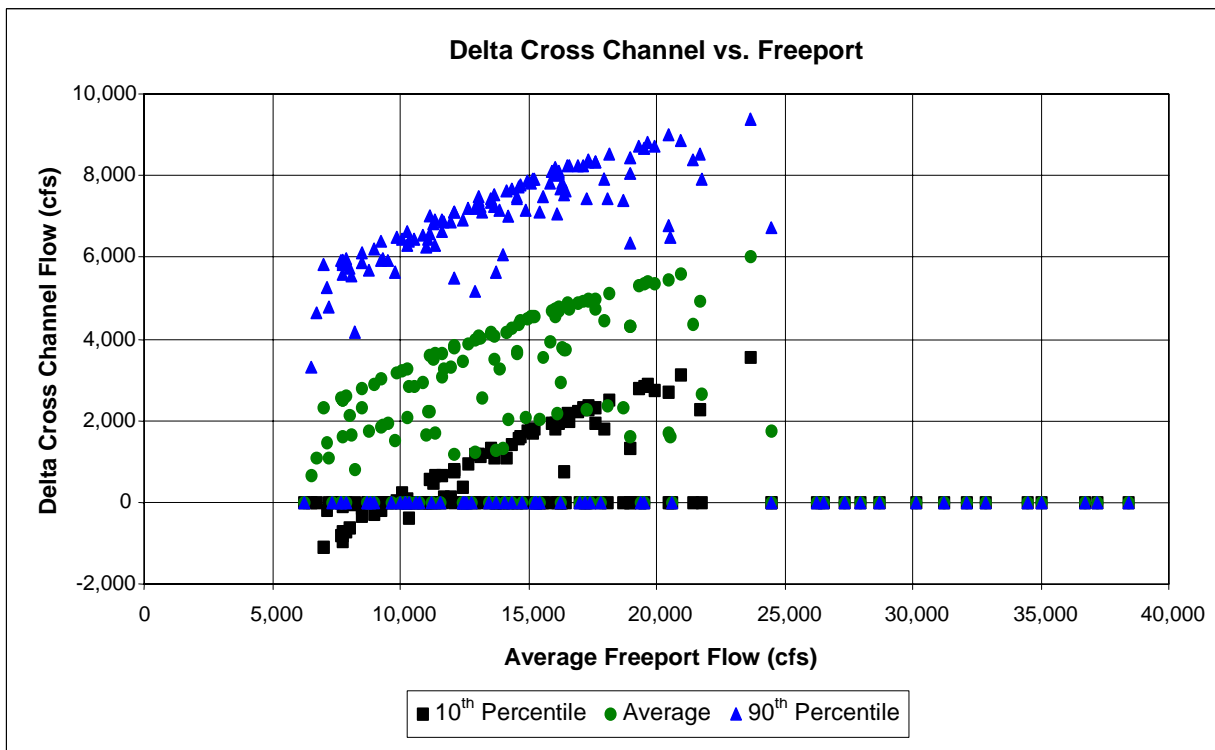


Figure D-59a. Distribution of Simulated Flow in the Delta Cross Channel vs. Average Flow in the Sacramento River at Freeport, Water Years 1976–1991

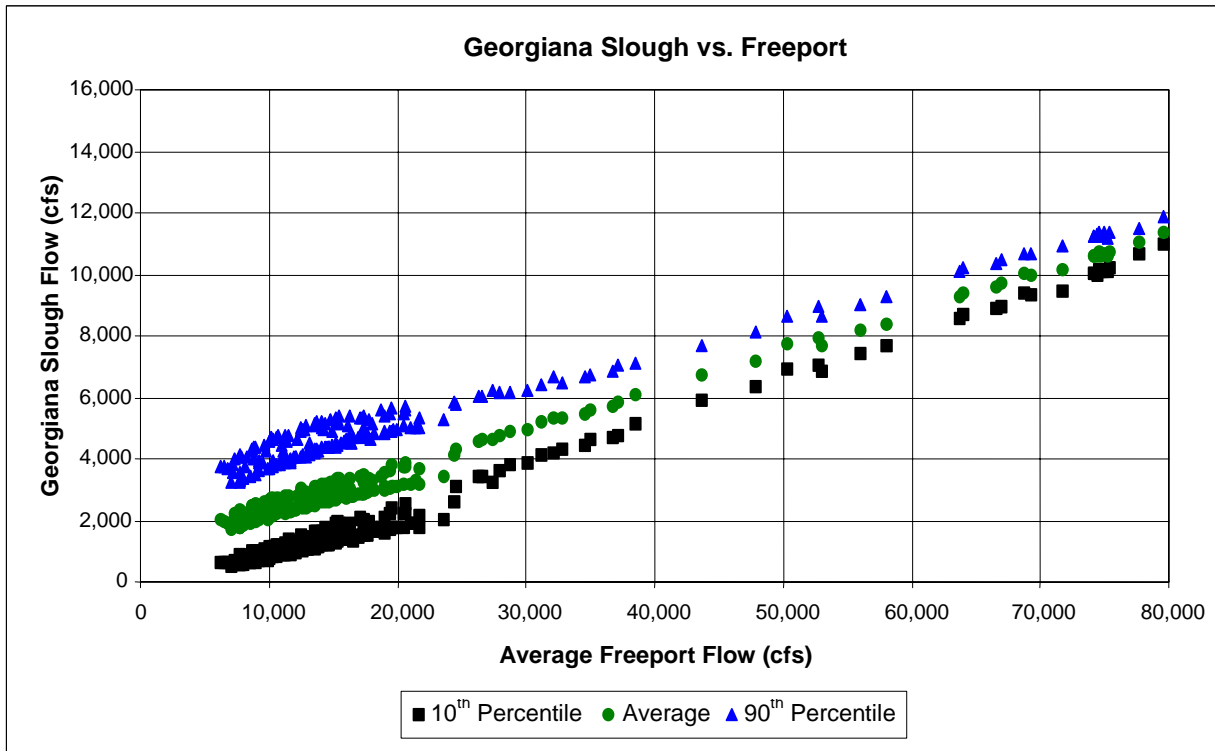


Figure D-59b. Distribution of Simulated Flow in Georgiana Slough vs. Average Flow in the Sacramento River at Freeport, Water Years 1976–1991

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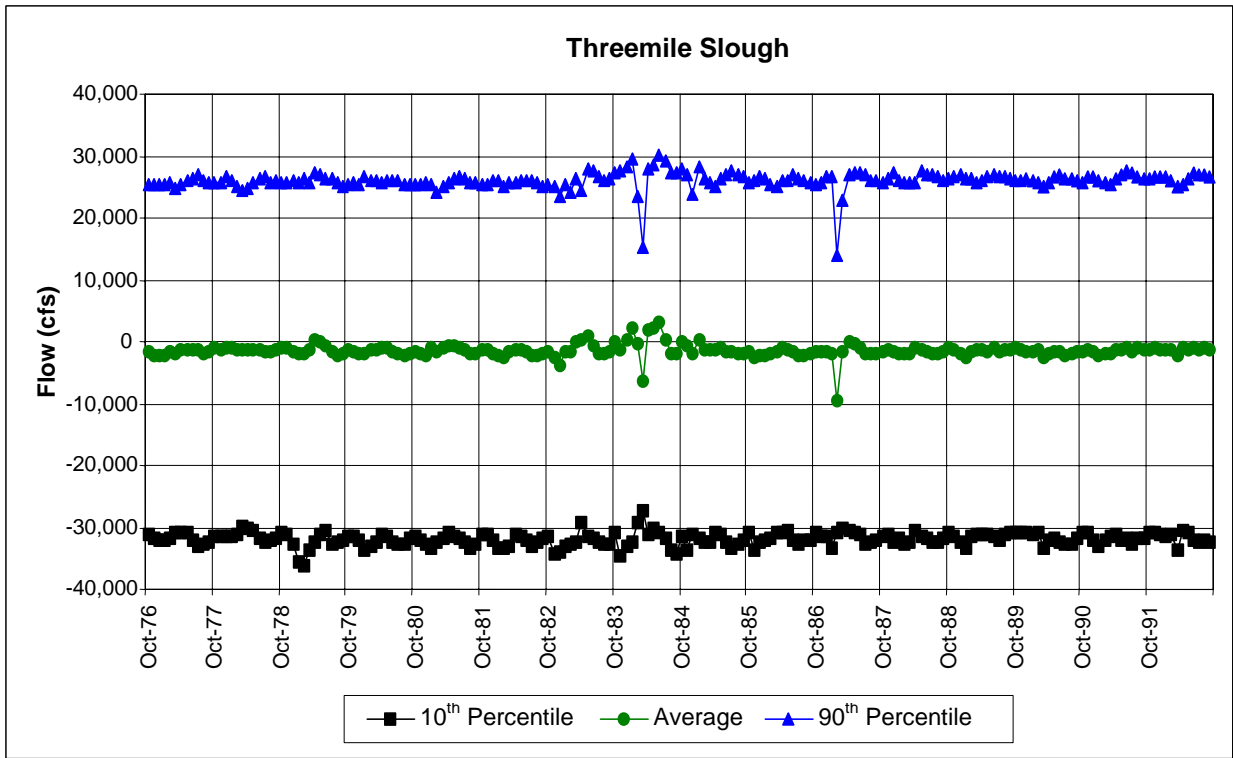


Figure D-60a. Distribution of Simulated Flow at Threemile Slough, Water Years 1976–1991

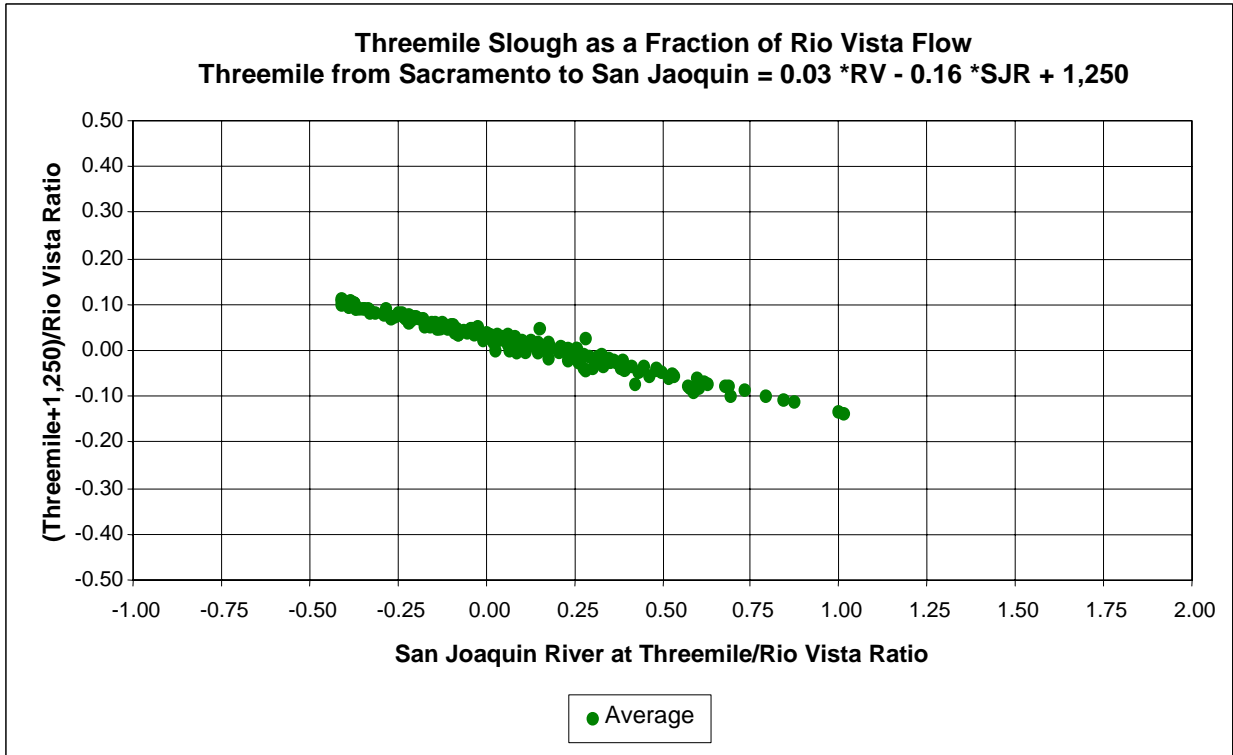
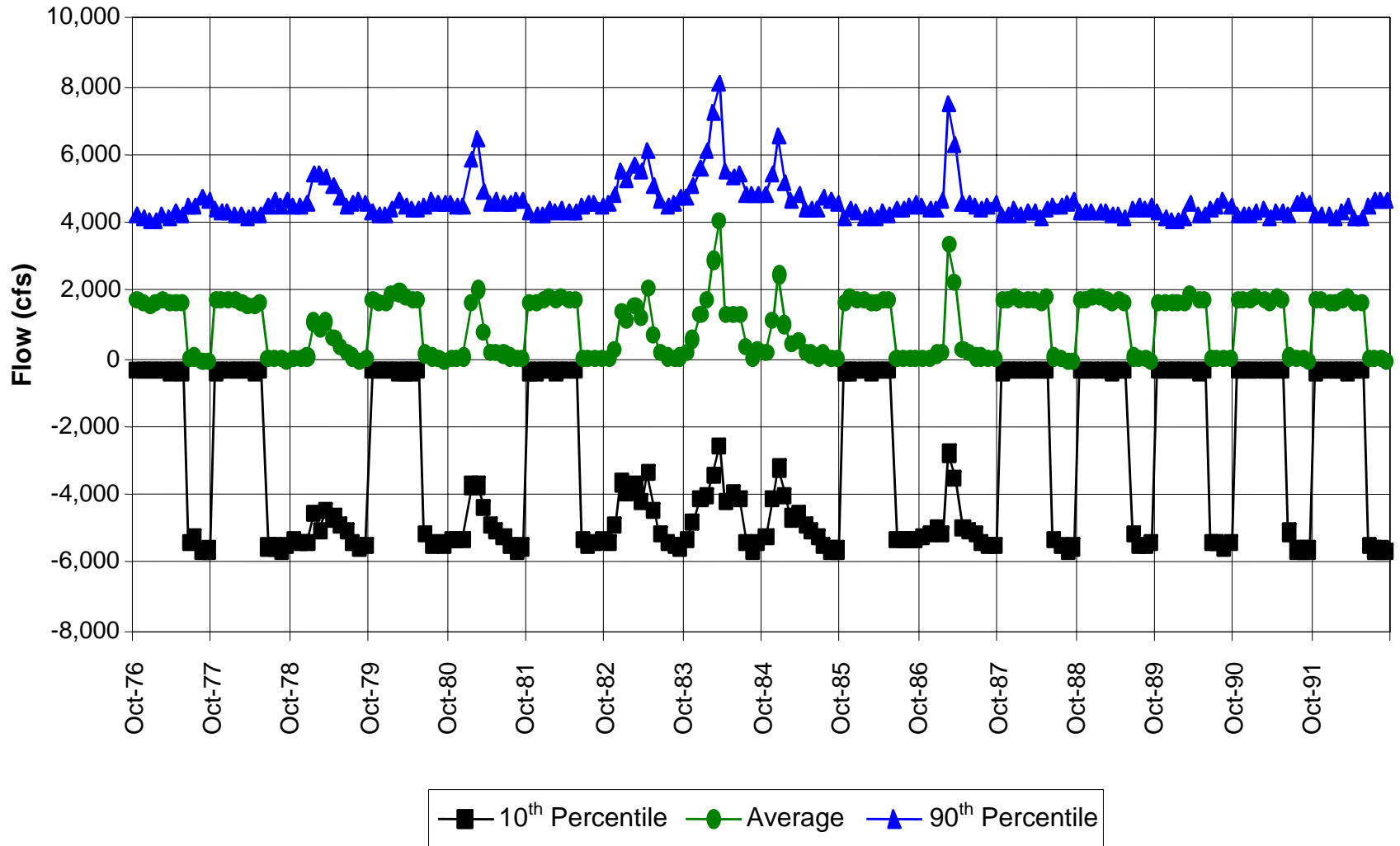


Figure D-60b. Threemile Slough as a Fraction of Average Rio Vista Flow, Water Years 1976–1991

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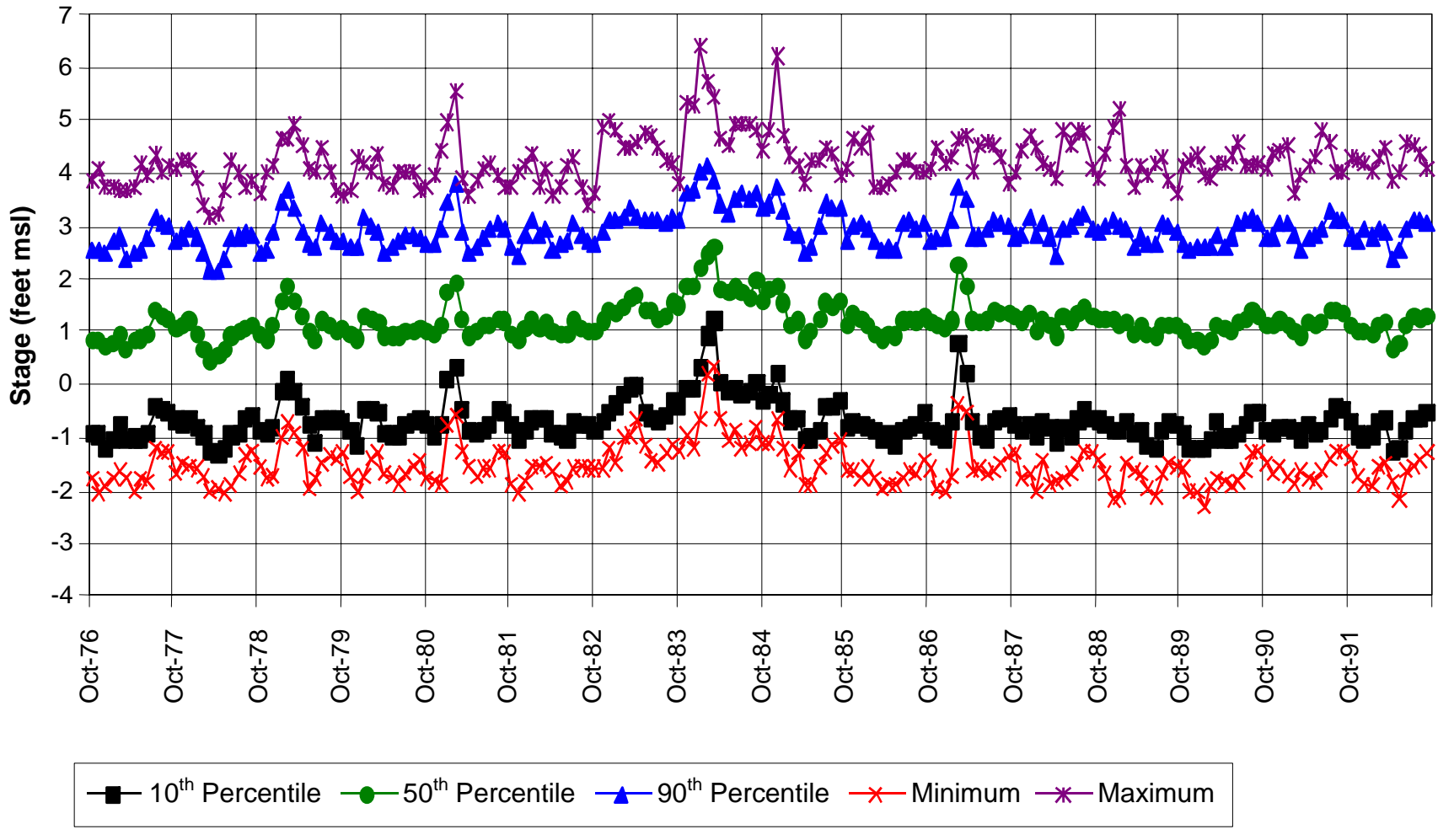
Montezuma Slough Tidal Flow



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Figure D-61
Distribution of Simulated Flow at
Montezuma Slough, Water Years 1976–1991

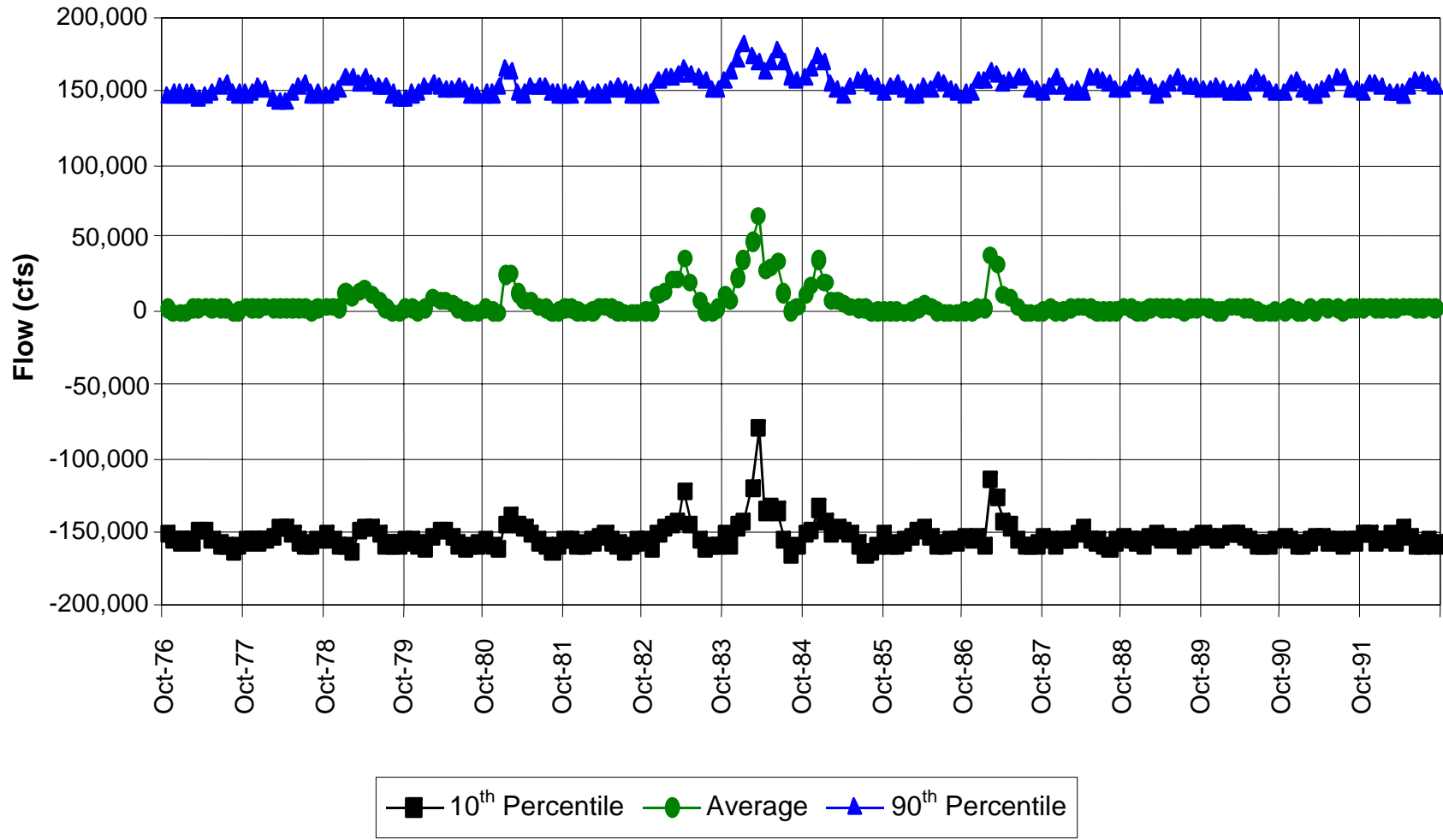
Tidal Stages in the San Joaquin River at Antioch



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Figure D-62
Distribution of Simulated Tidal Stage in the San Joaquin River at Antioch, Water Years 1976–1991

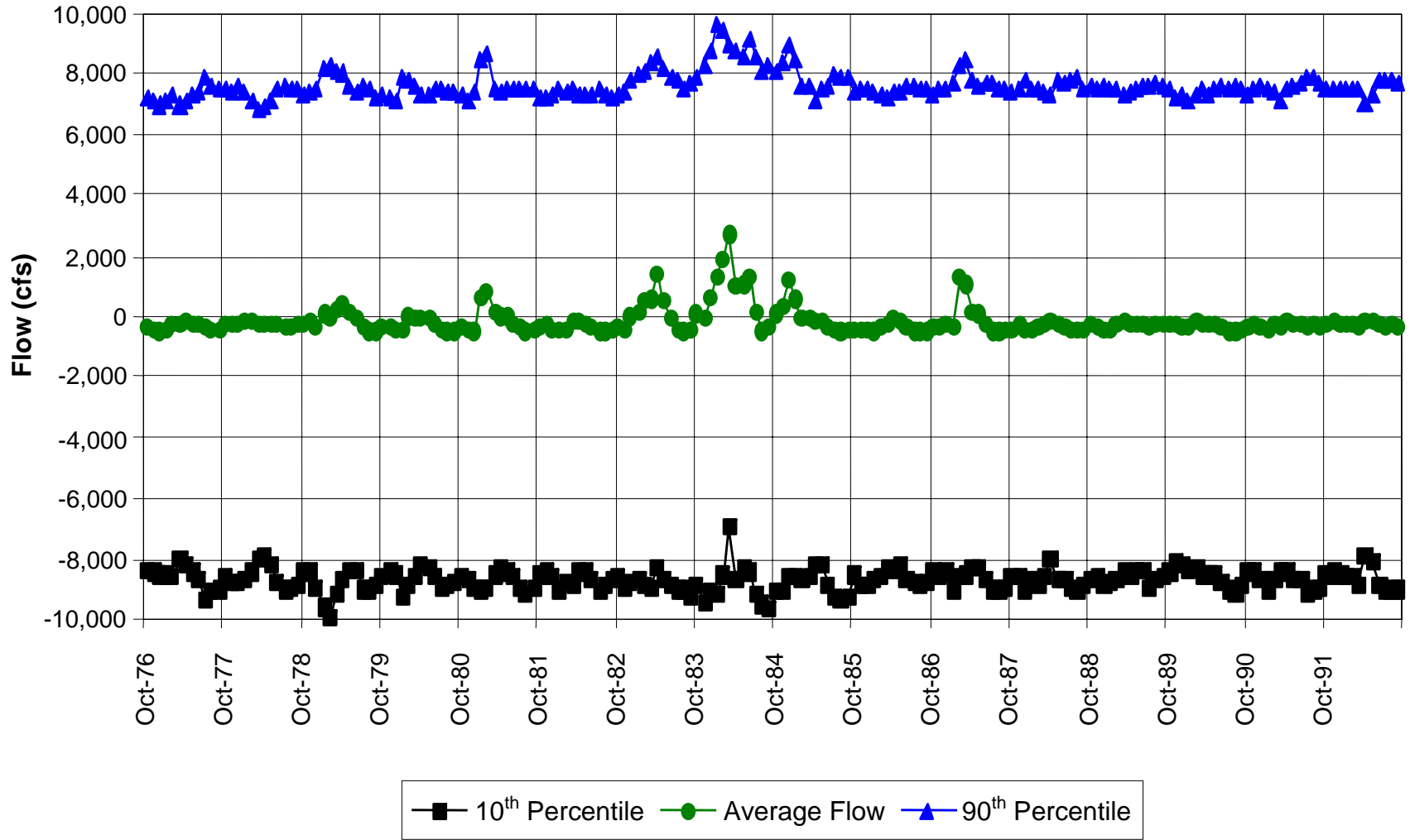
Tidal Flows in the San Joaquin River at Antioch



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Figure D-63
Distribution of Simulated Tidal Flow in the San Joaquin River at Antioch, Water Years 1976–1991

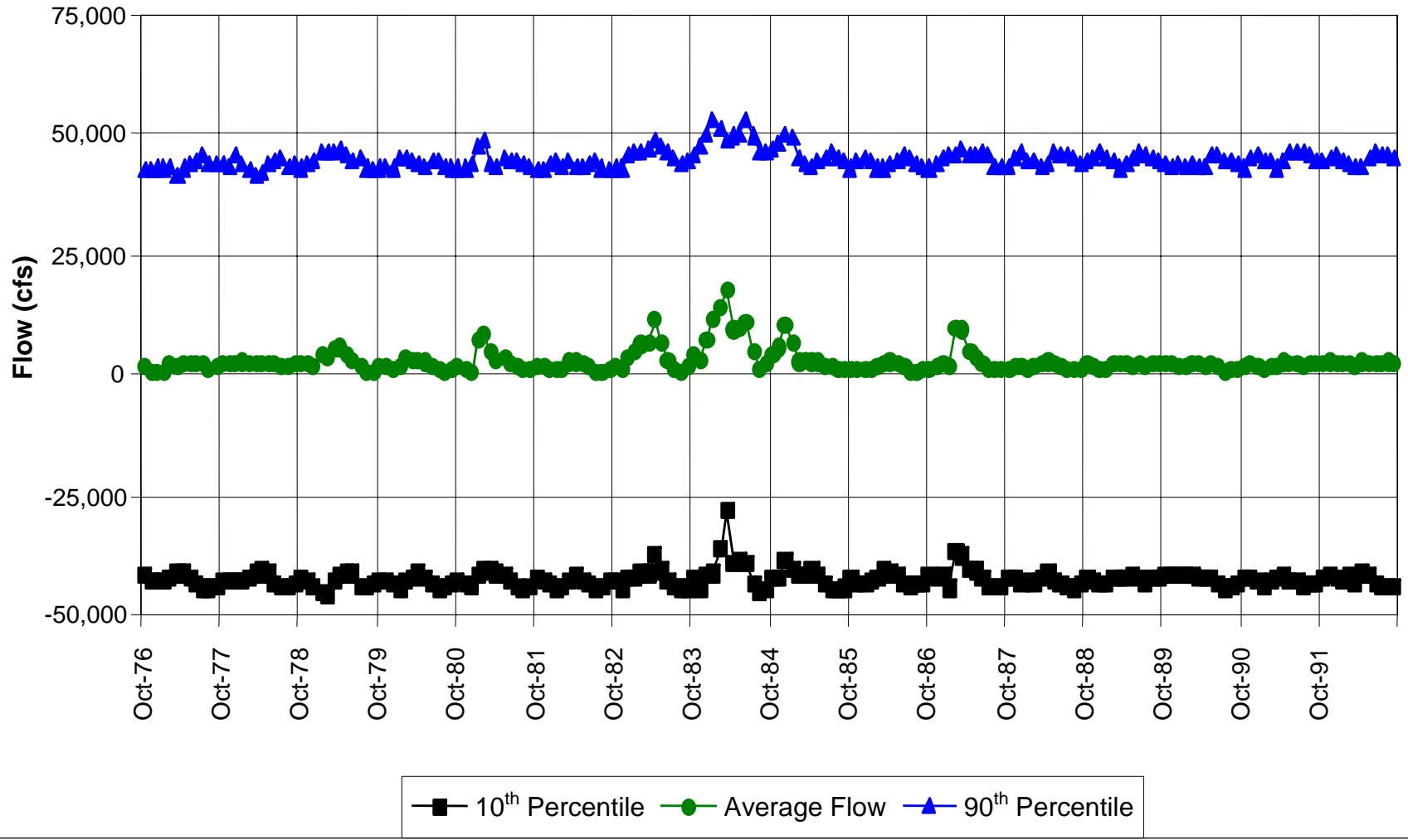
Dutch Slough Tidal Flows



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Figure D-64
Distribution of Simulated Tidal Flow at Dutch Slough, Water Years 1976–1991

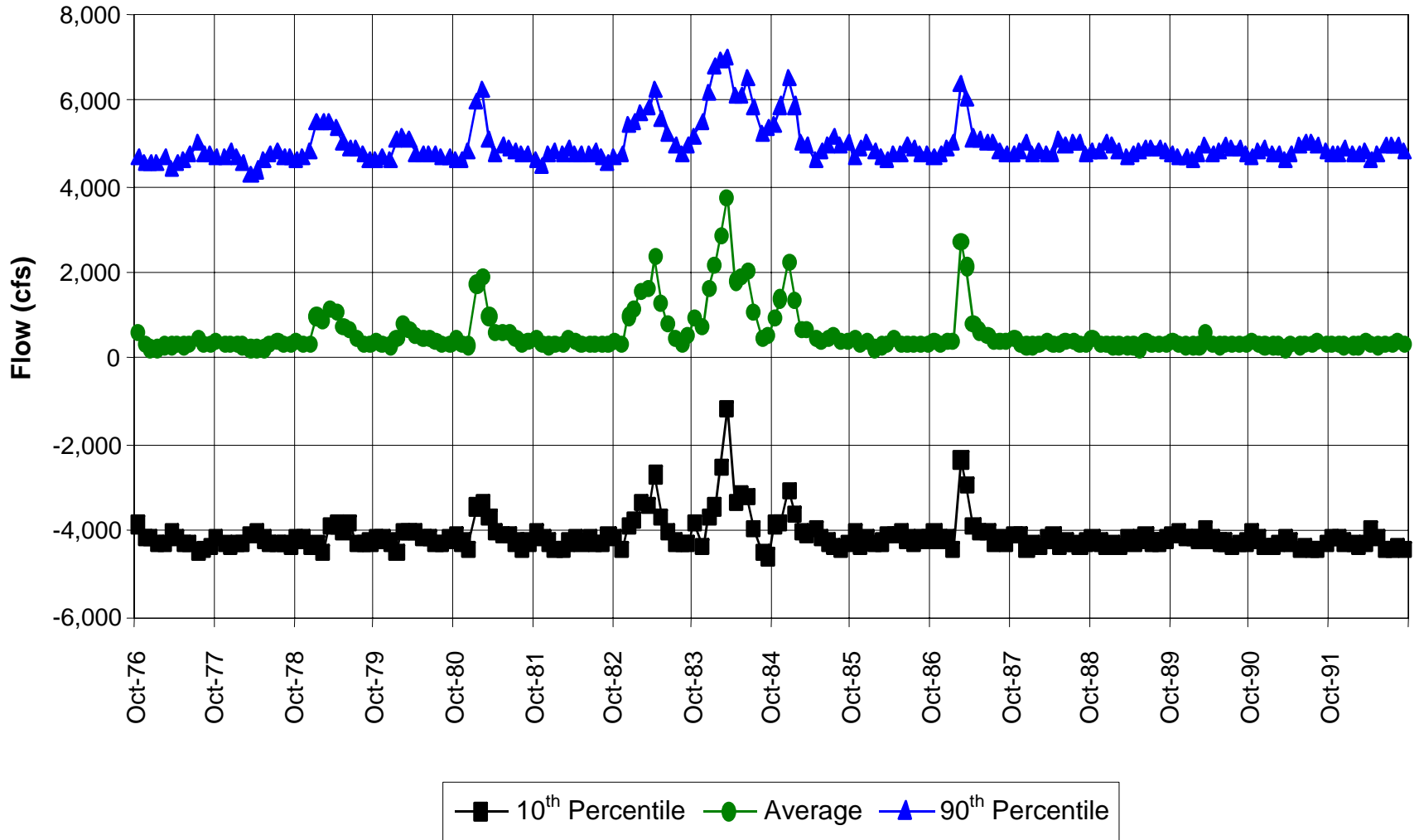
False River Tidal Flow



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Figure D-65
Distribution of Simulated Tidal Flow in
False River, Water Years 1976–1991

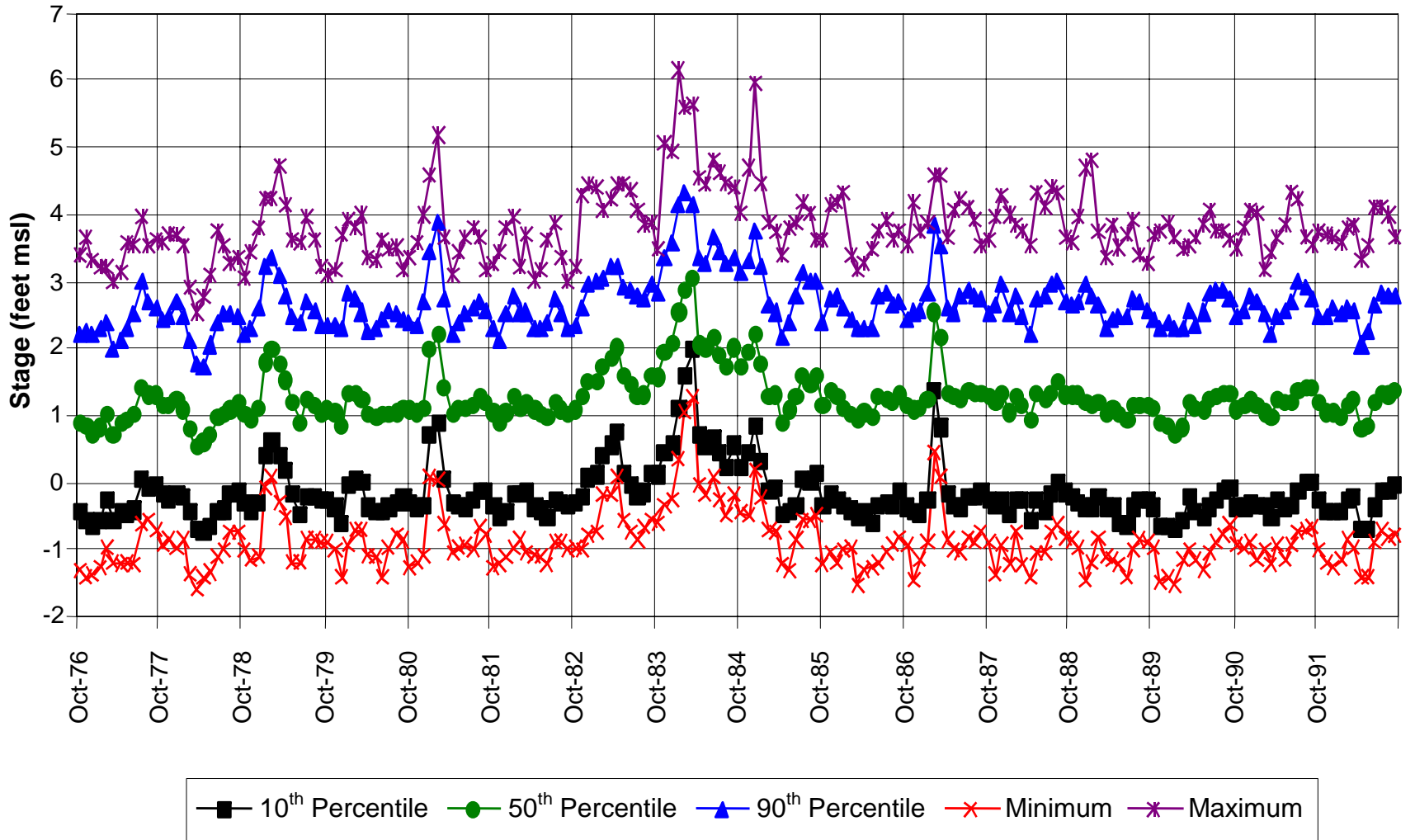
Fisherman's Cut Tidal Flow



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Figure D-66
Distribution of Simulated Tidal Flow at Fisherman's Cut, Water Years 1976-1991

San Joaquin River at San Andreas Landing Tidal Stage

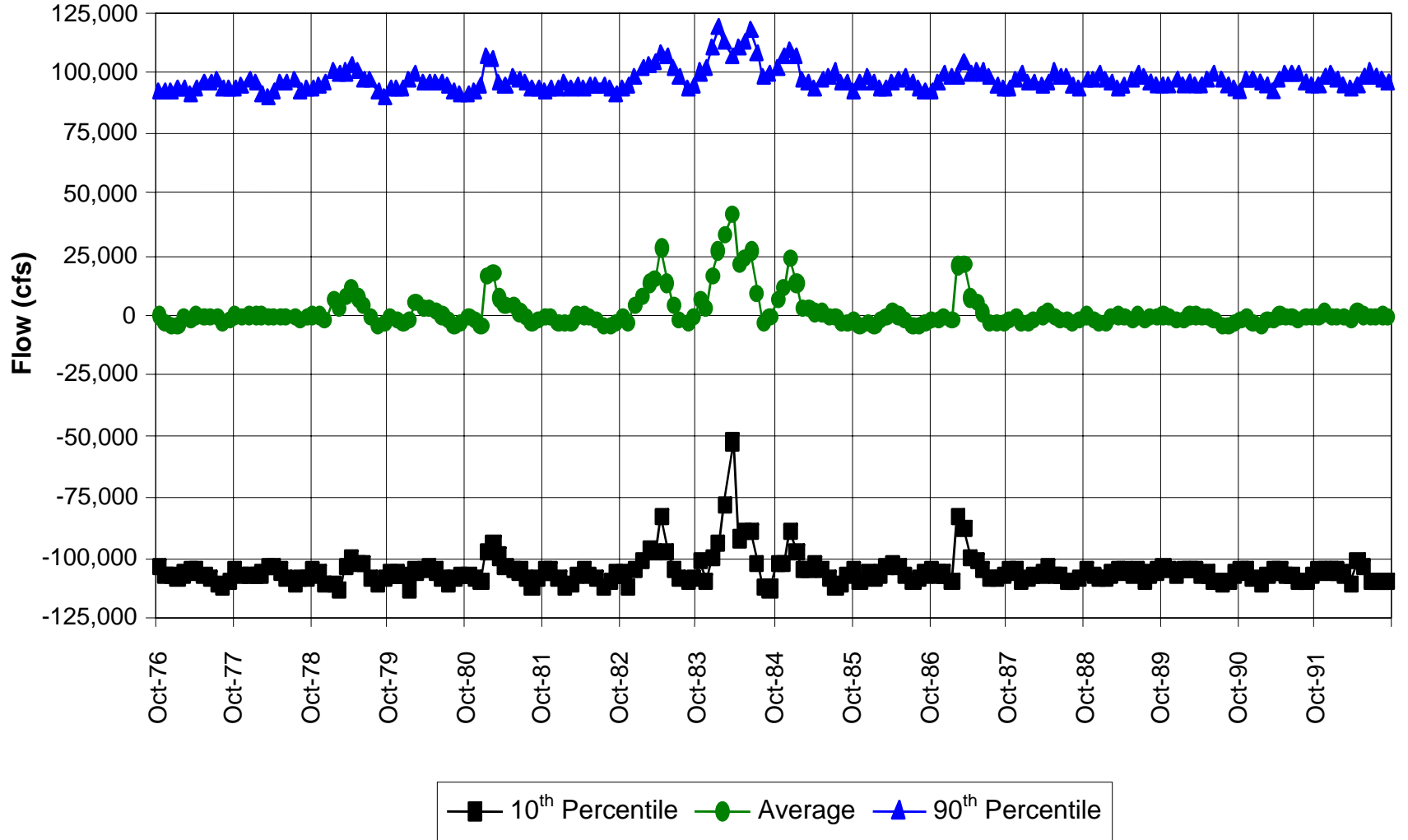


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Figure D-67

Distribution of Simulated Tidal Stage in the San Joaquin River at San Andreas Landing, Water Years 1976–1991

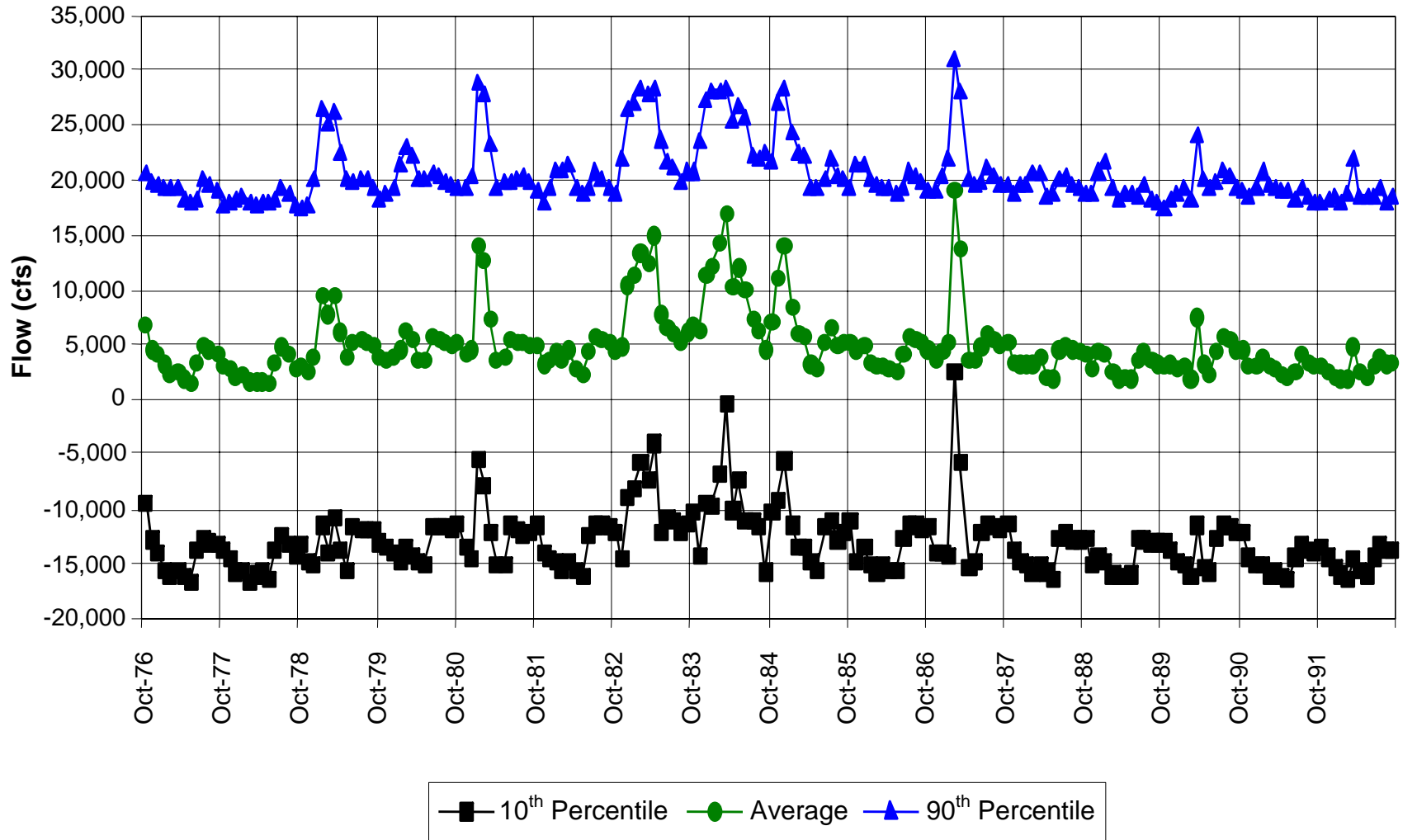
San Joaquin River at San Andreas Landing Tidal Flow



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Figure D-68
Distribution of Simulated Tidal Flow in the San Joaquin River at San Andreas Landing, Water Years 1976–1991

Mouth of Mokelumne River Tidal Flow



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Figure D-69

Distribution of Simulated Tidal Flow at the Mouth of the Mokelumne River, Water Years 1976–1991

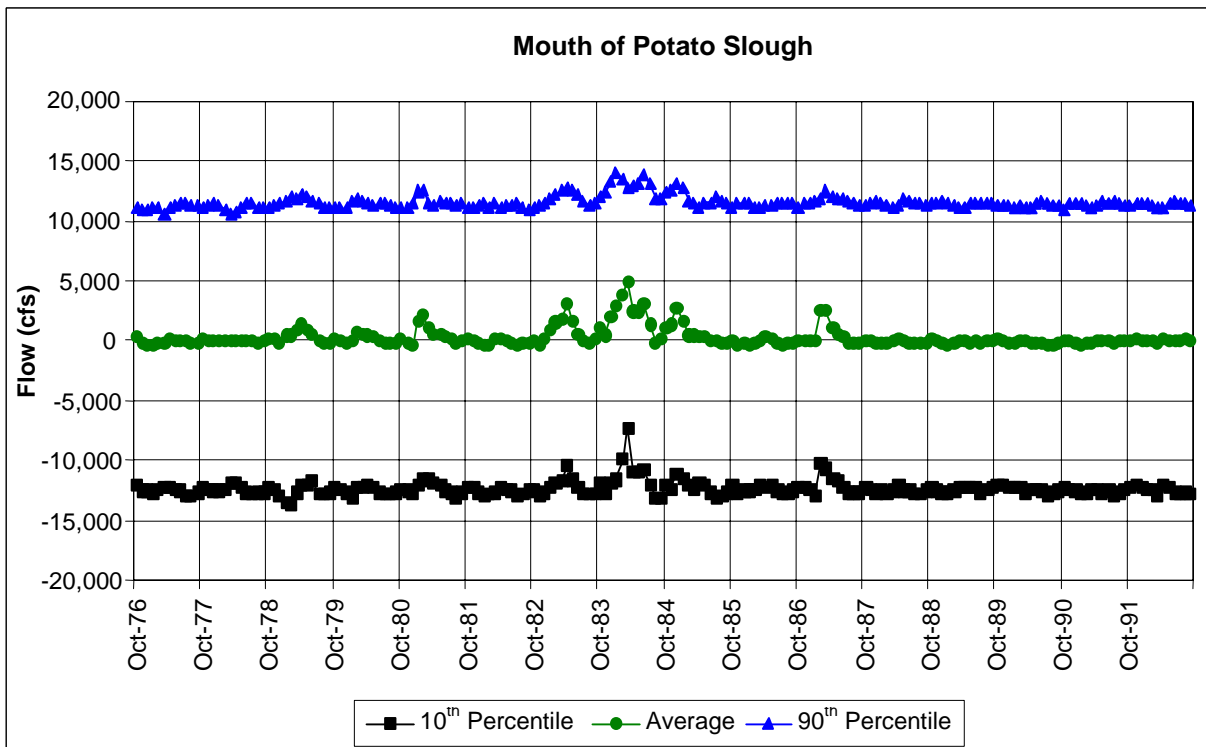


Figure D-70a. Distribution of Simulated Tidal Flow at the Mouth of Potato Slough, Water Years 1976–1991

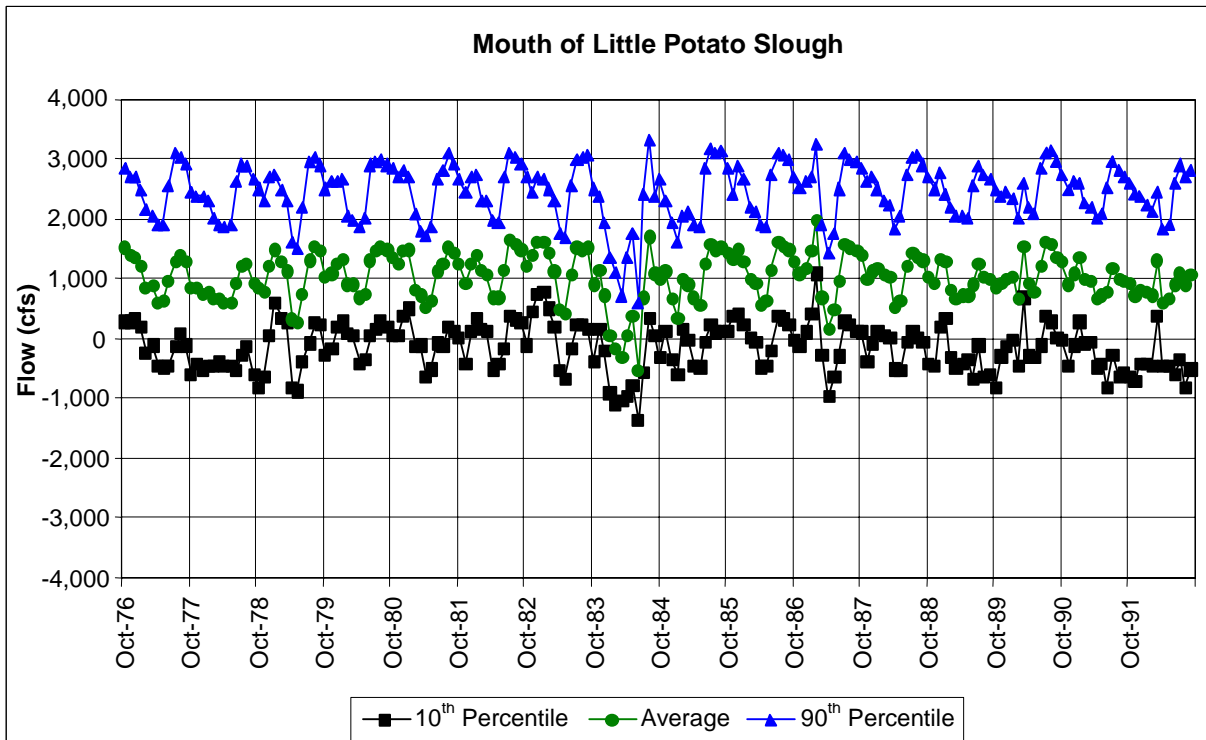
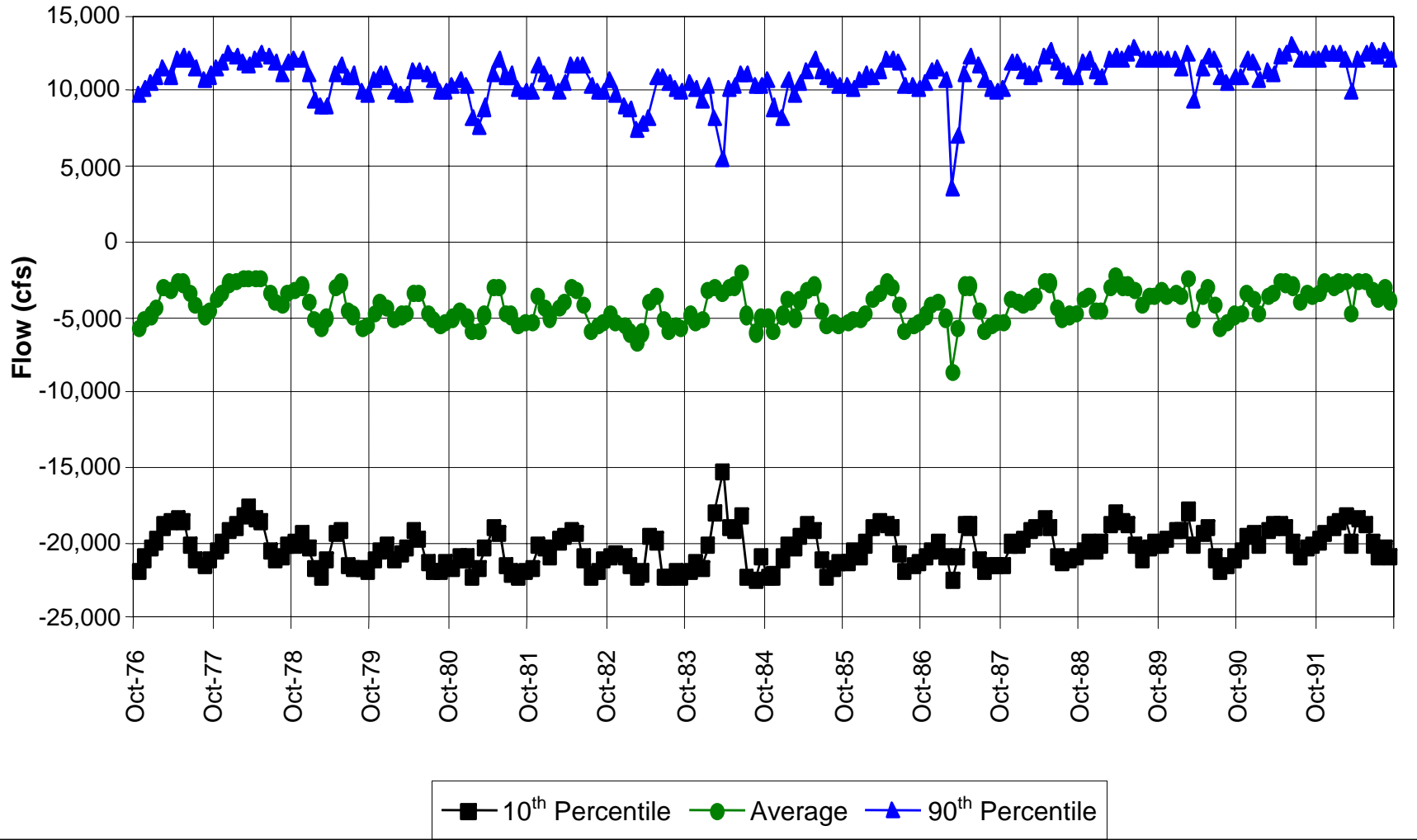


Figure D-70b. Distribution of Simulated Tidal Flow at the Mouth of Little Potato Slough, Water Years 1976–1991

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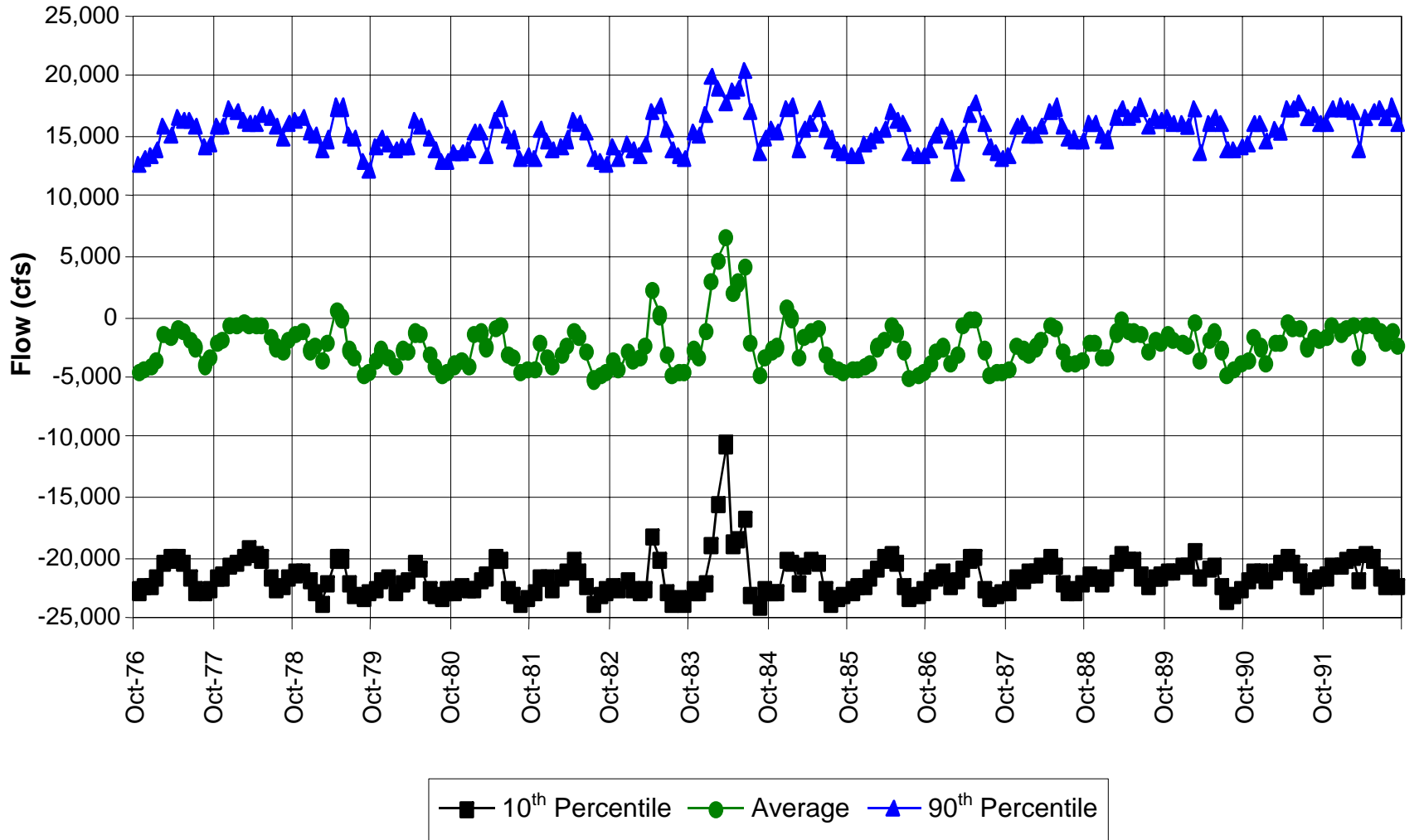
Mouth of Old River



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Figure D-71
Distribution of Simulated Tidal Flow at the Mouth of Old River, Water Years 1976–1991

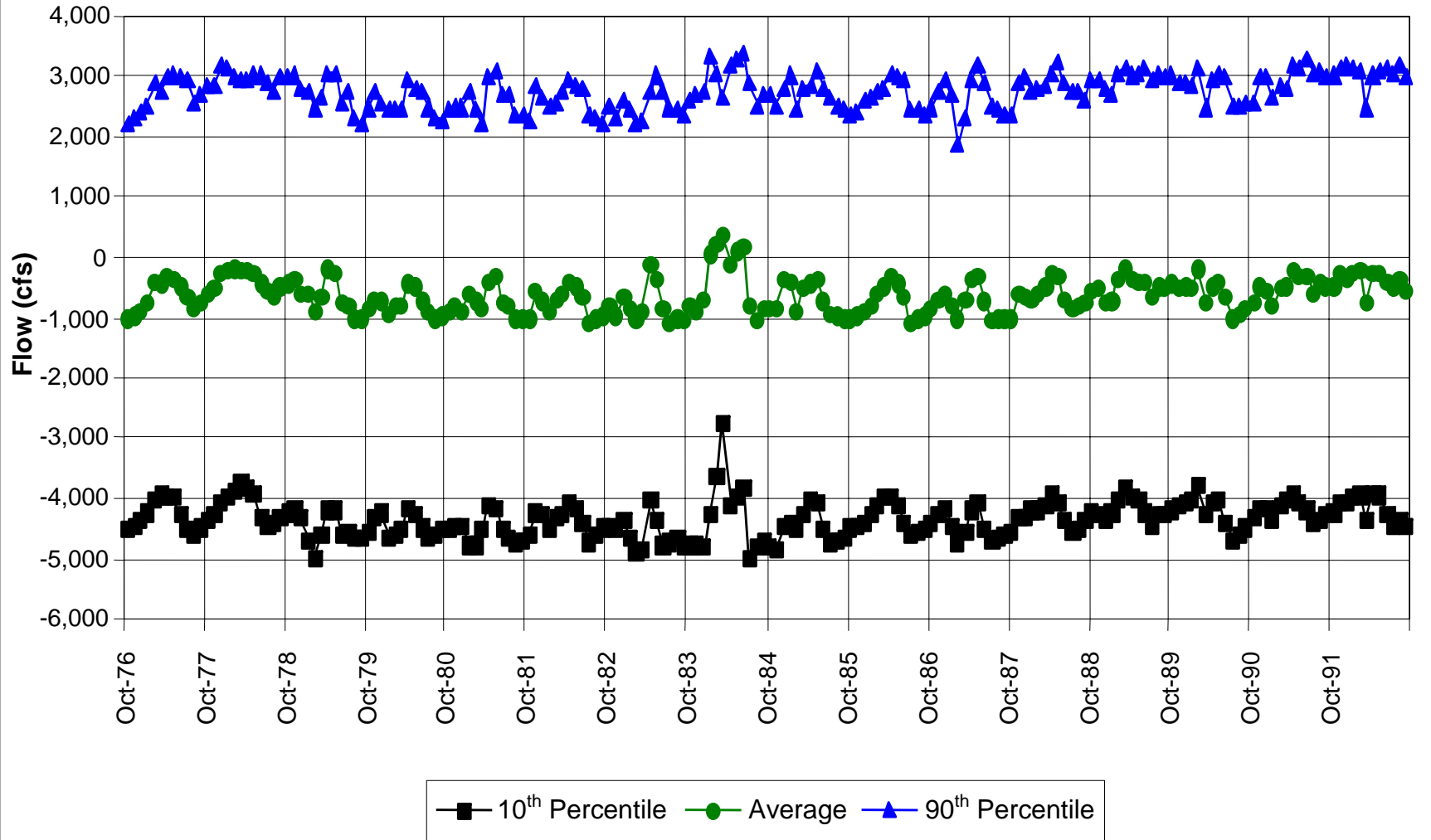
Mouth of Middle River



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Figure D-72
Distribution of Simulated Tidal Flow at the Mouth of Middle River, Water Years 1976–1991

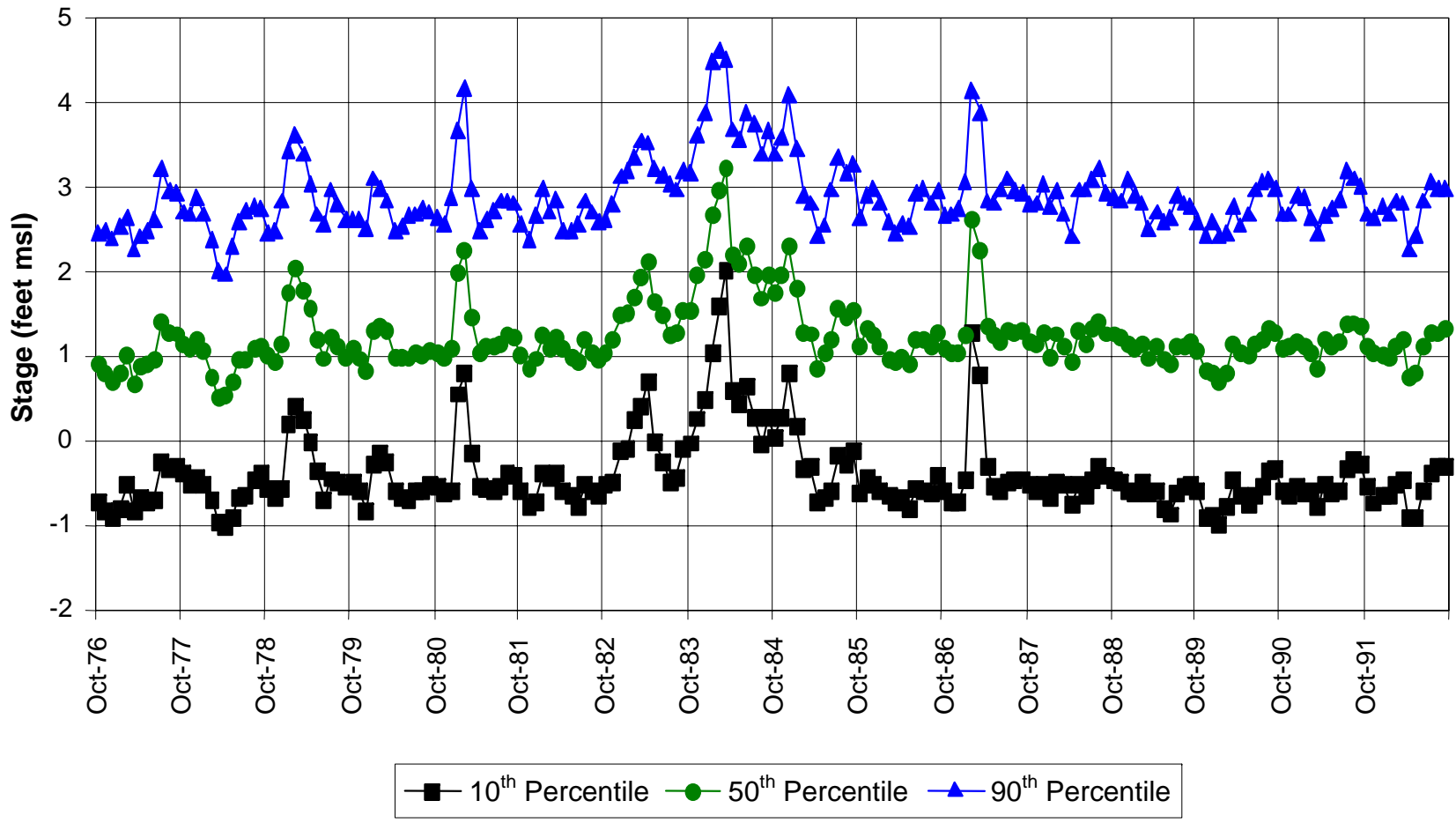
Turner Cut



02053.02.101

Figure D-73
Distribution of Simulated Tidal Flow at
Turner Cut, Water Years 1976–1991

San Joaquin River at the Stockton Deep Water Ship Channel

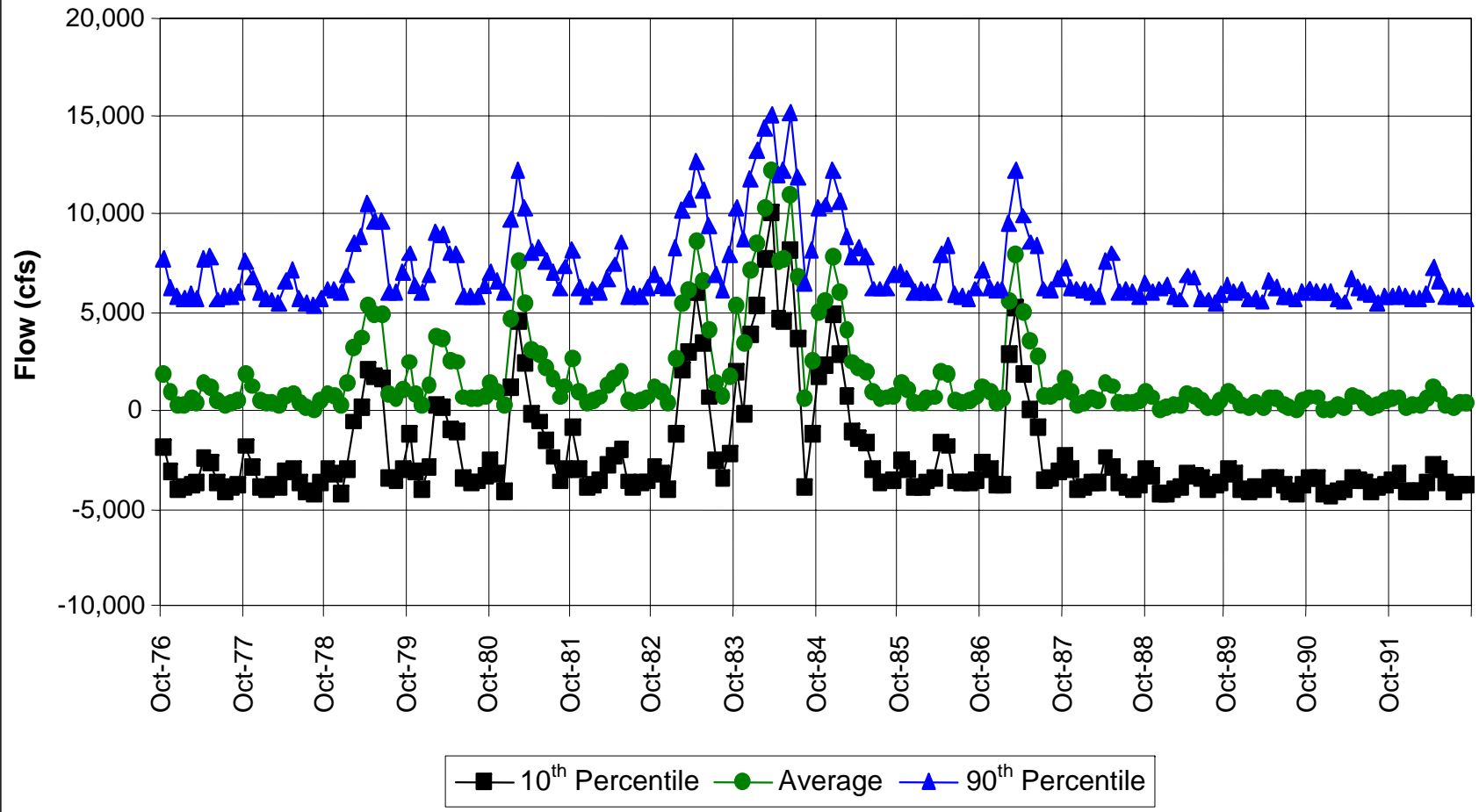


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Figure D-74

Distribution of Simulated Tidal Stage in the San Joaquin River at Stockton (Rough & Ready Island), Water Years 1976–1991

San Joaquin River at the Stockton Deep Water Ship Channel

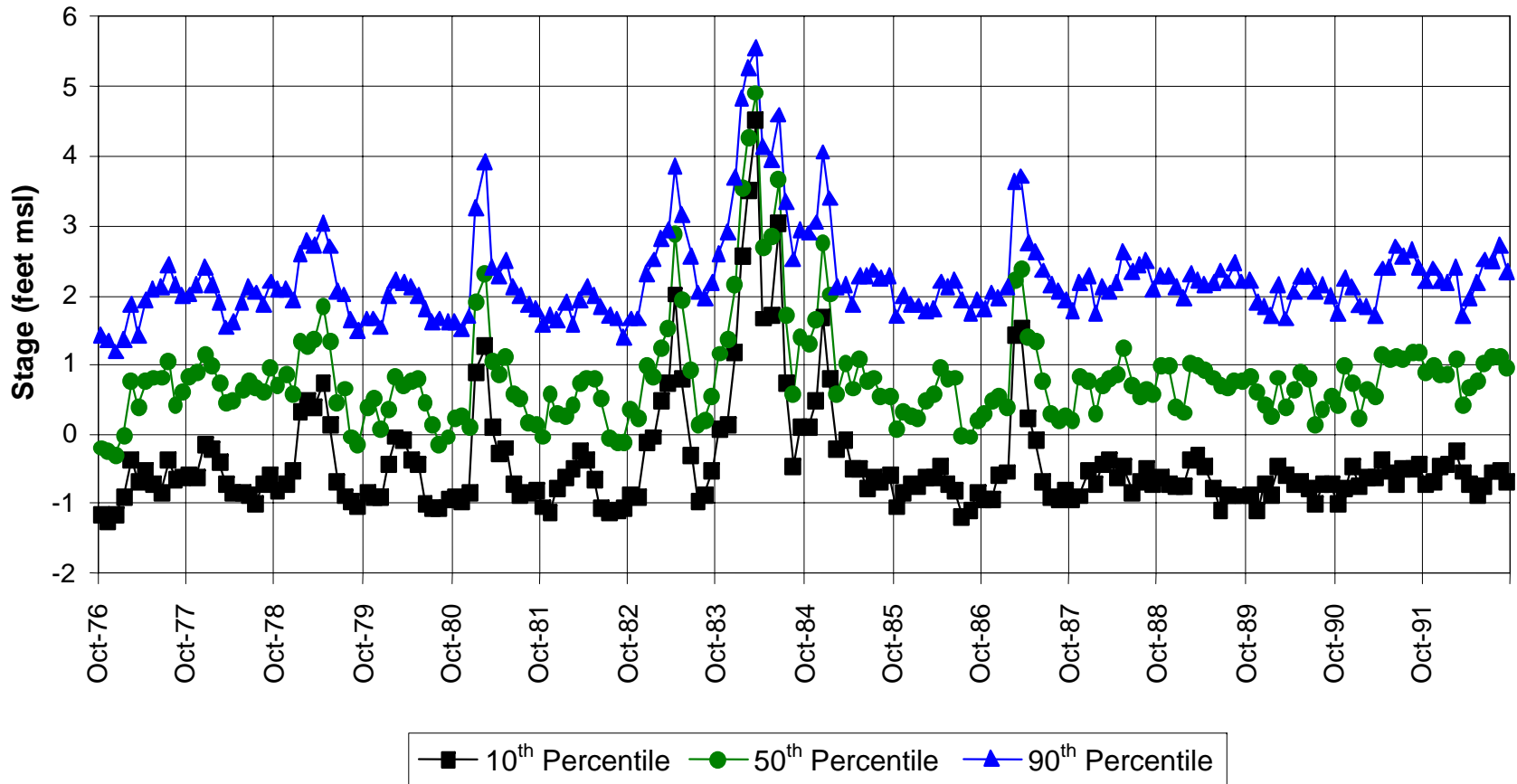


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Figure D-75

Distribution of Simulated Tidal Flow in the San Joaquin River at Stockton (Rough & Ready Island), Water Years 1976–1991

Head of Old River

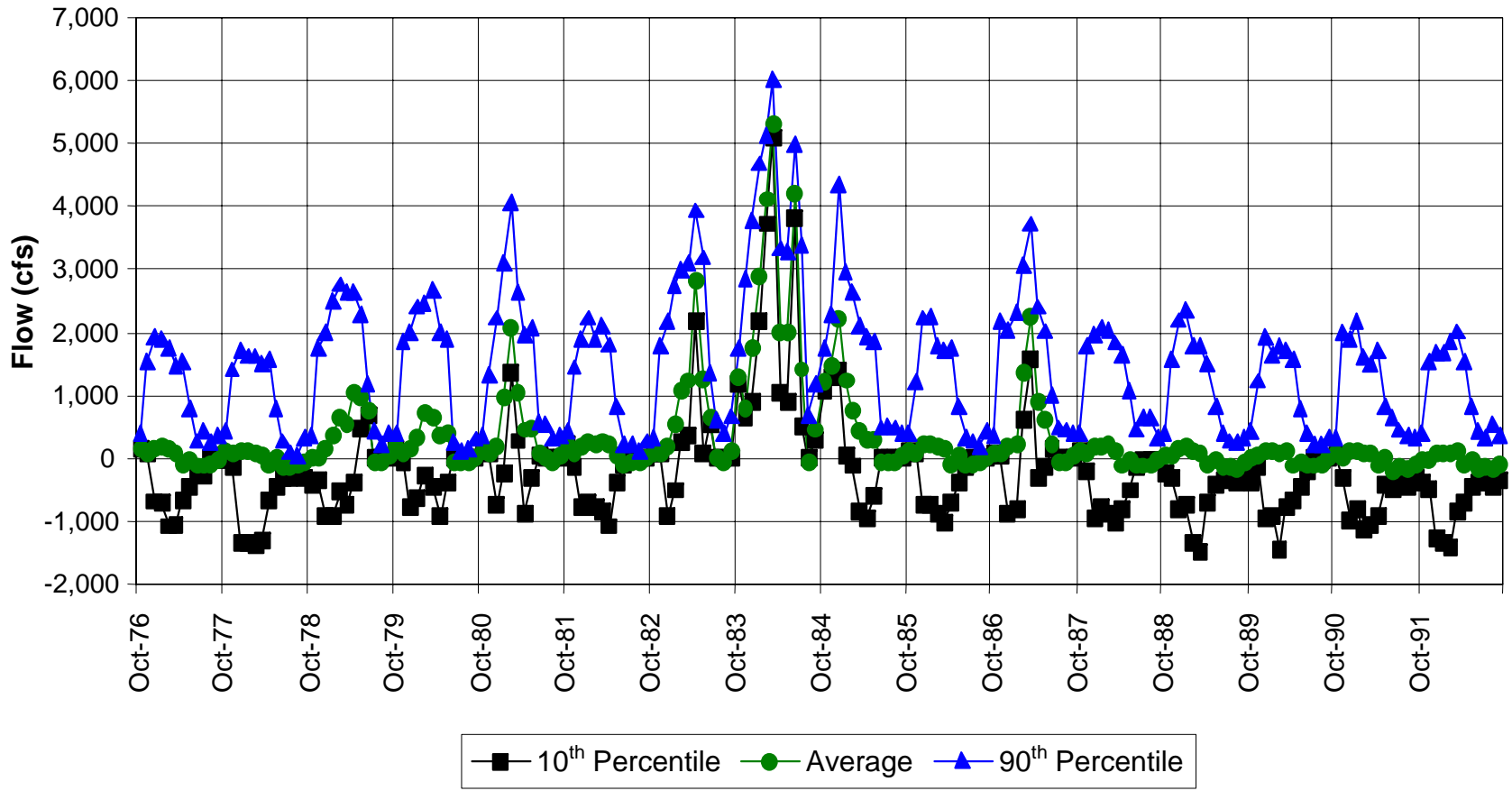


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Figure D-76

Distribution of Simulated Tidal Stage at the Head of Old River, Water Years 1976–1991

Head of Old River



02053.02.101

Figure D-77

Distribution of Simulated Tidal Flow at the Head of Old River, Water Years 1976–1991

02053.02.101

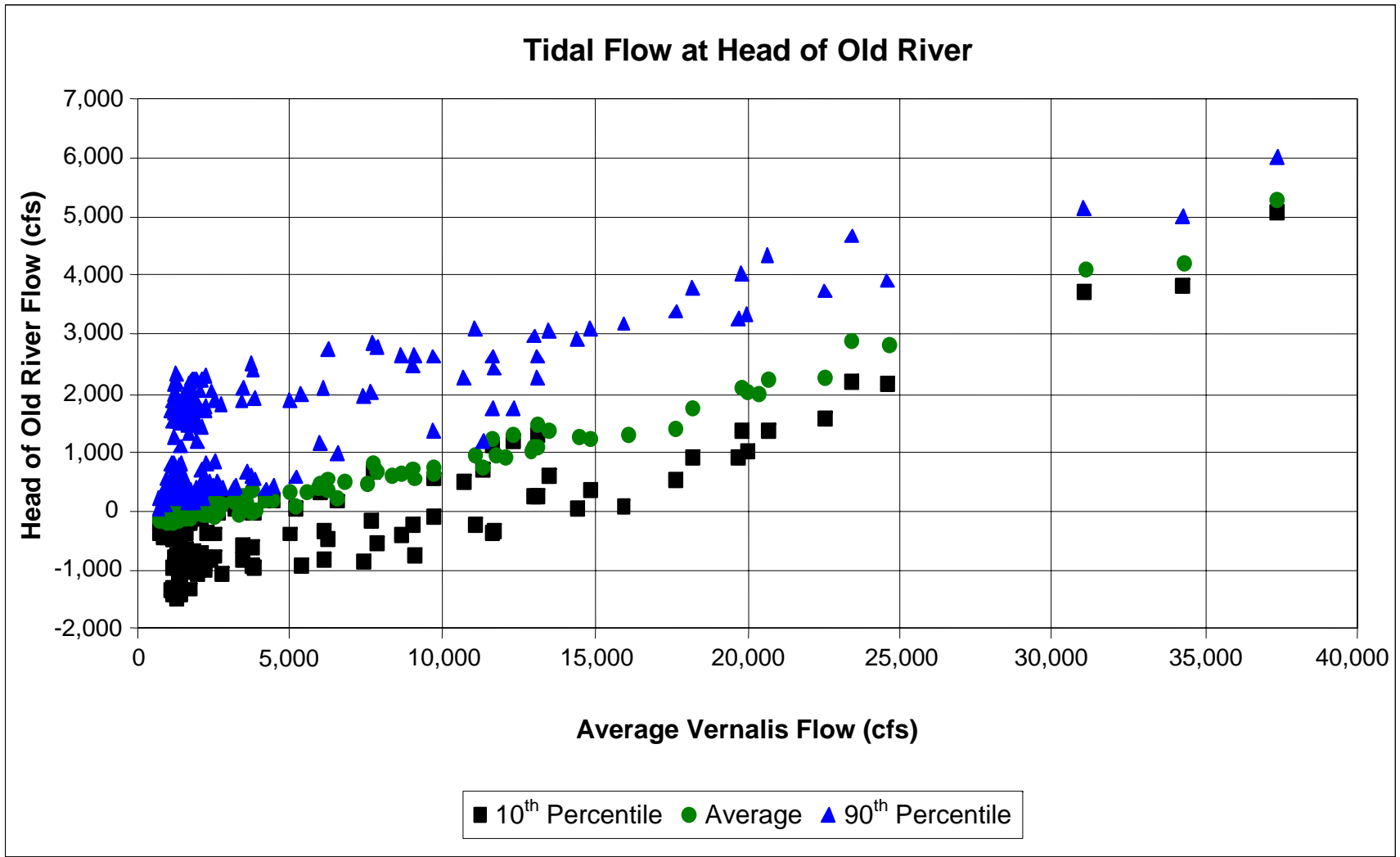
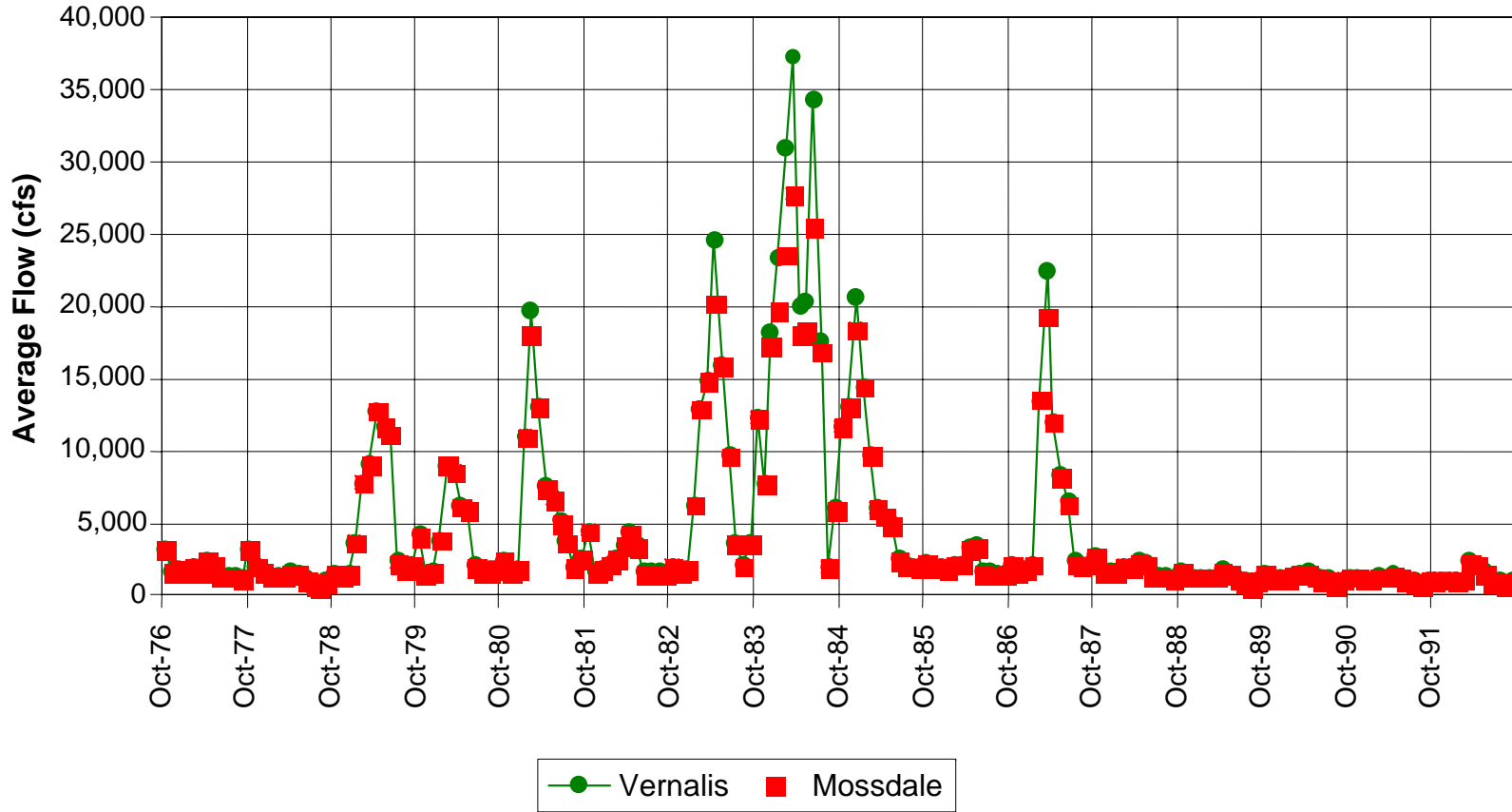


Figure D-78

Distribution of Simulated Tidal Flow at the Head of Old River vs. San Joaquin River at Vernalis Flow, Water Years 1976–1991

San Joaquin River at Vernalis



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Figure D-79

Simulated Monthly Average Flow in the San Joaquin River at Vernalis and Mossdale, Water Years 1976–1991

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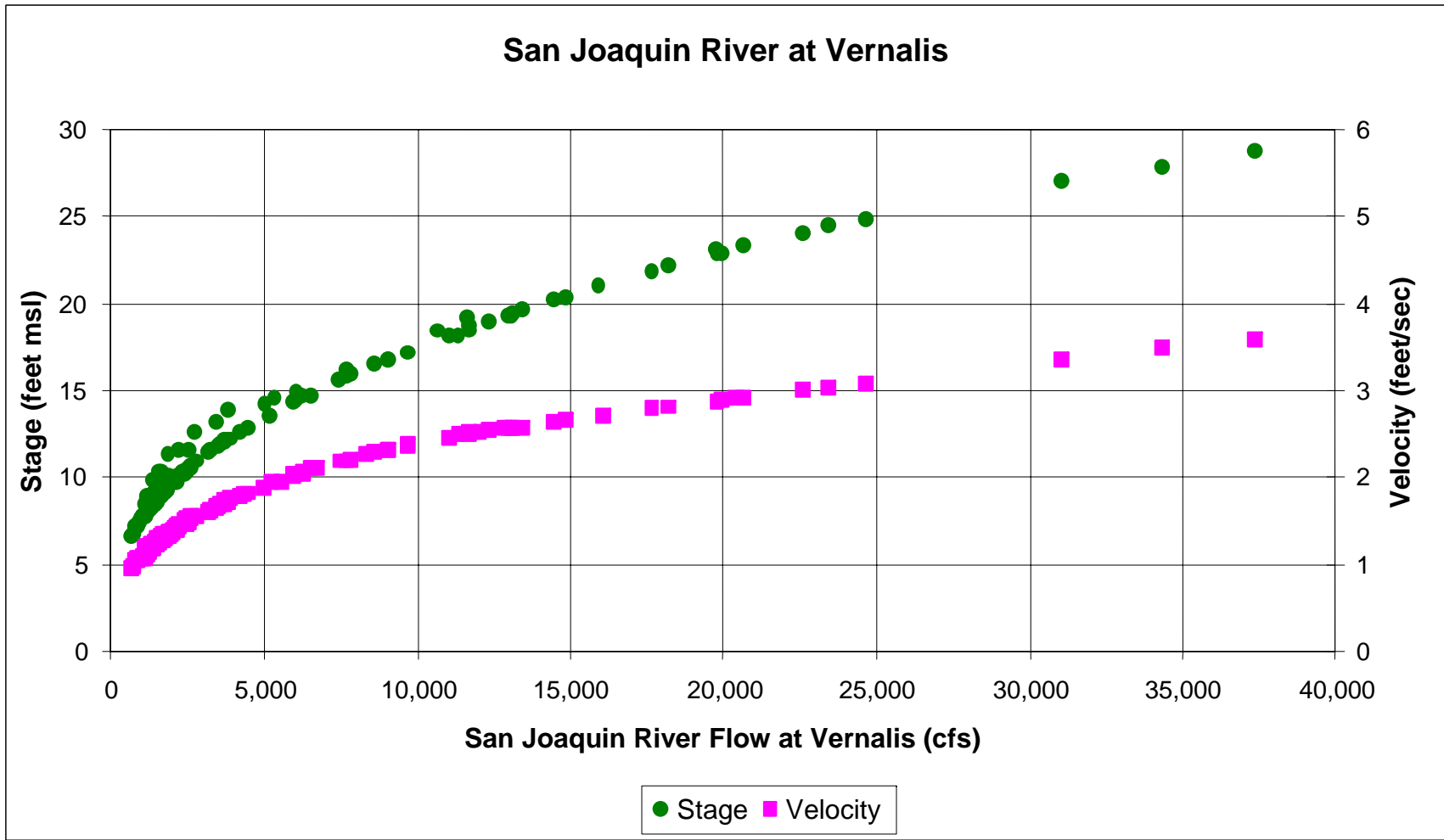
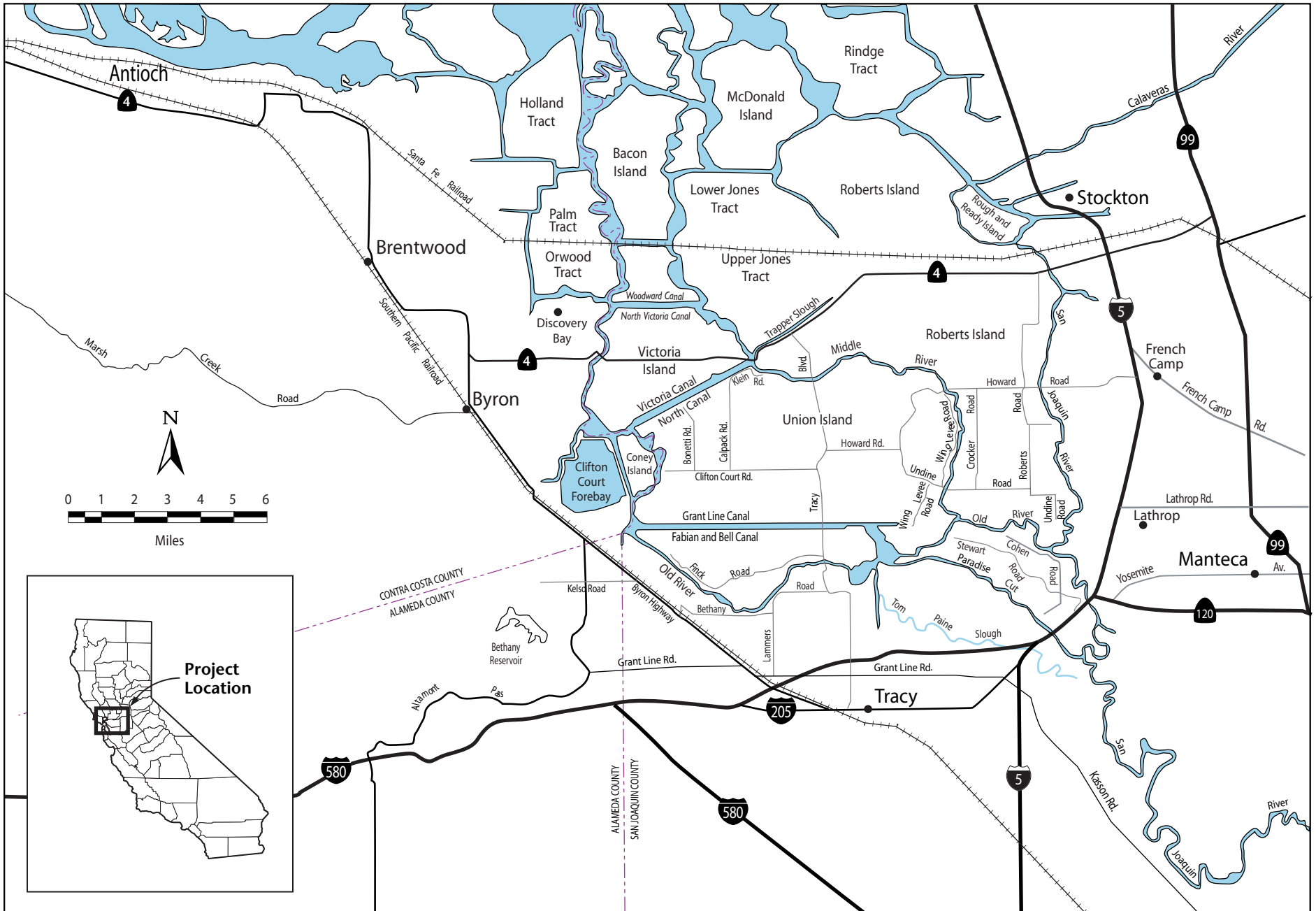
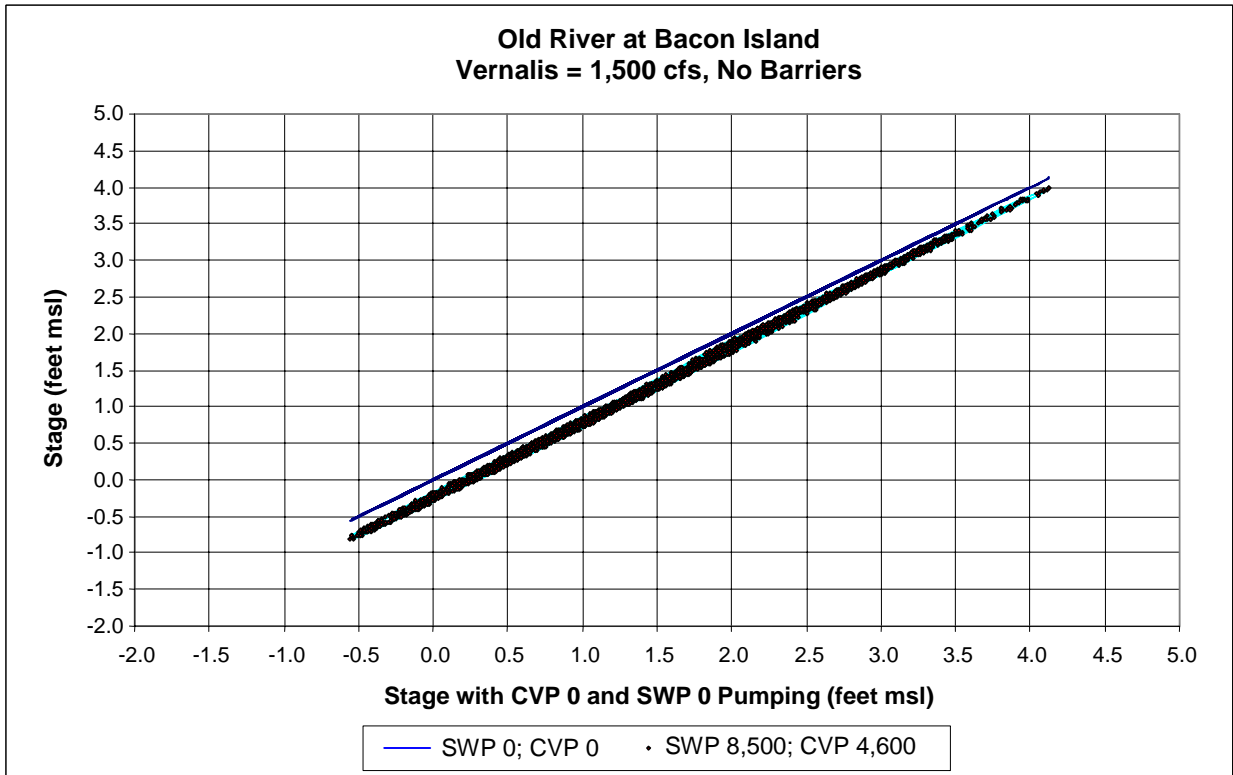
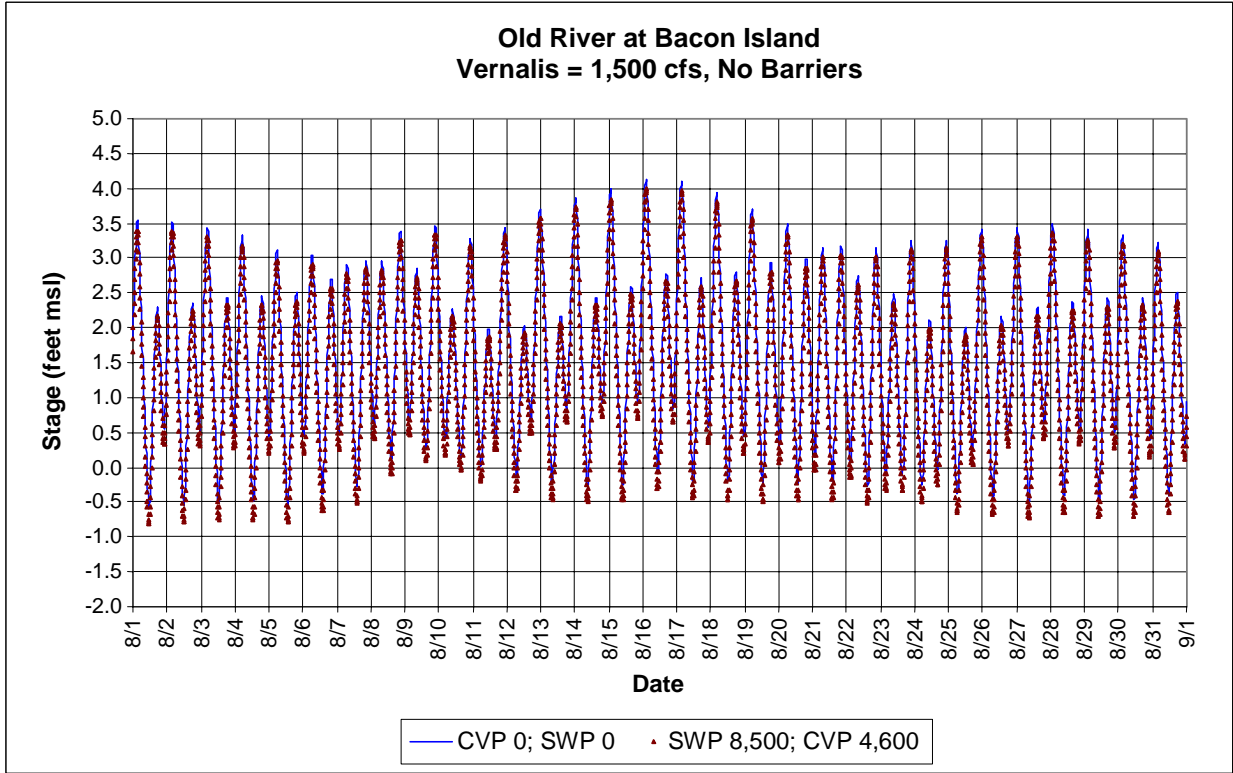


Figure D-80
Simulated Stage and Velocity in the
San Joaquin River at Vernalis, Water Years 1976-1991

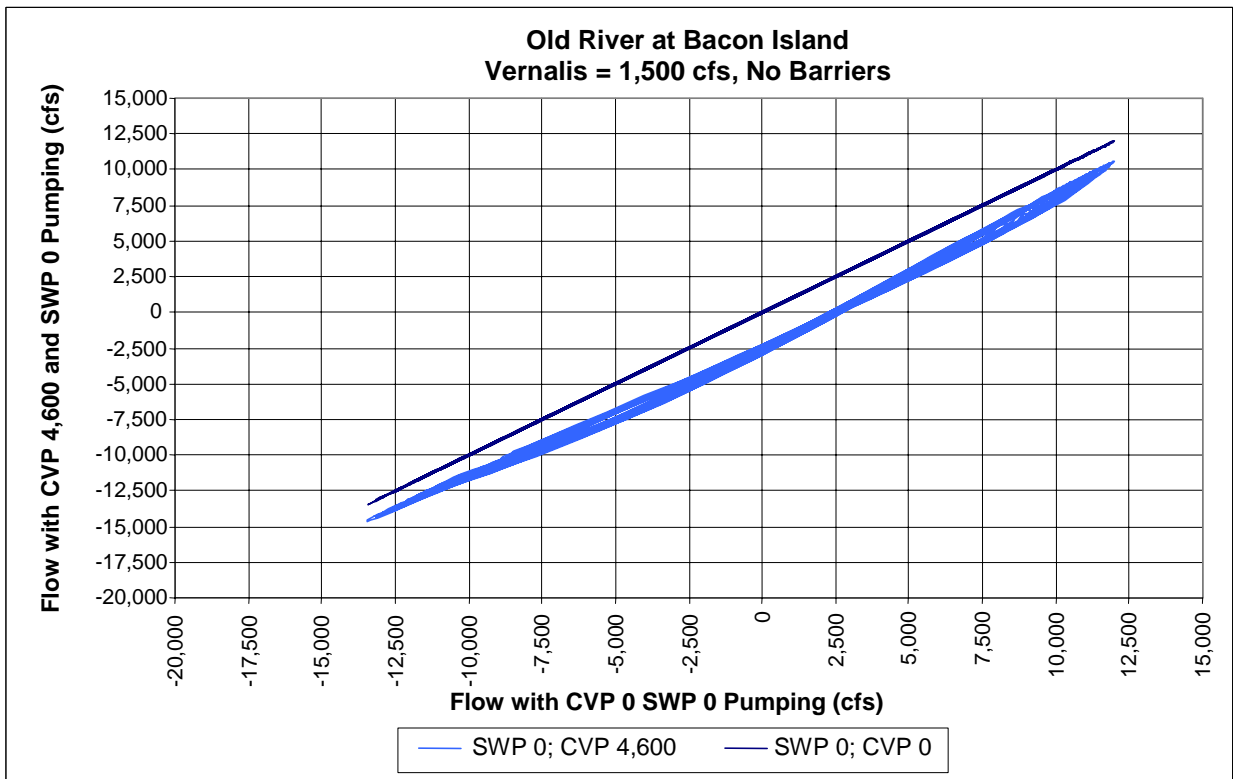
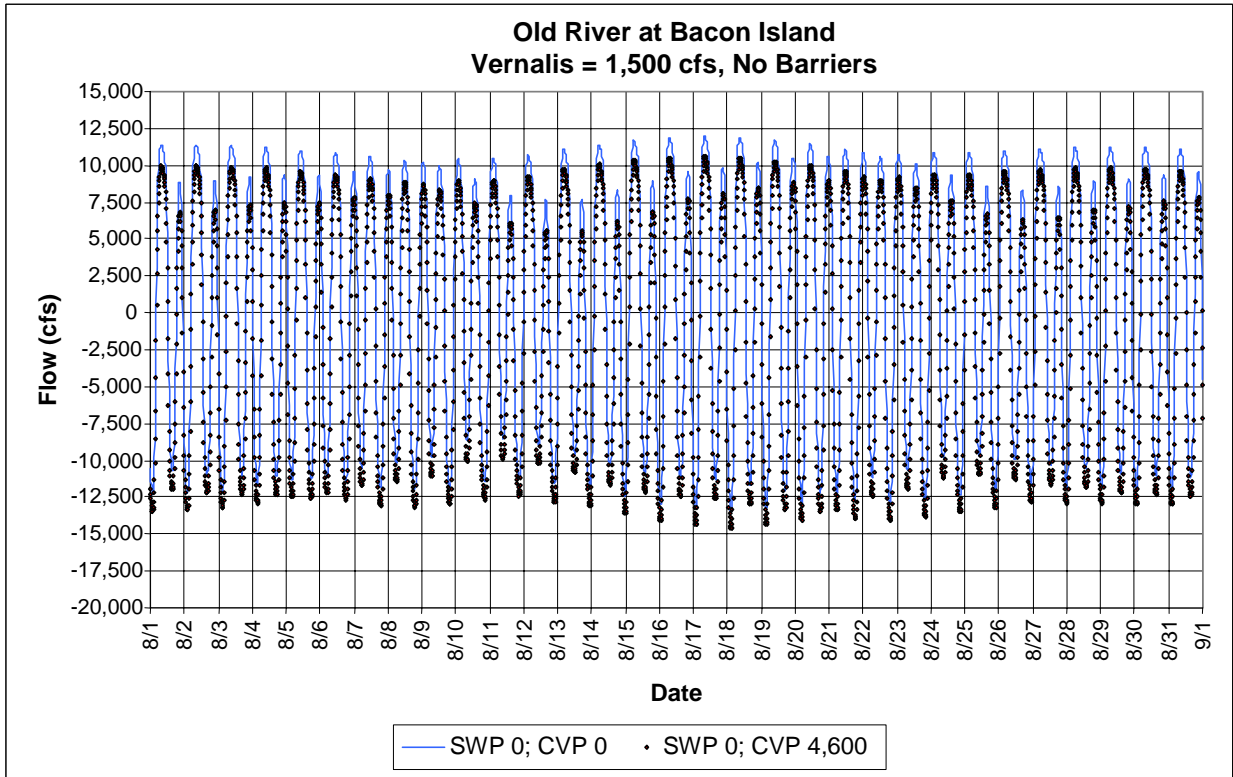


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Figure D-81
South Delta Location Map

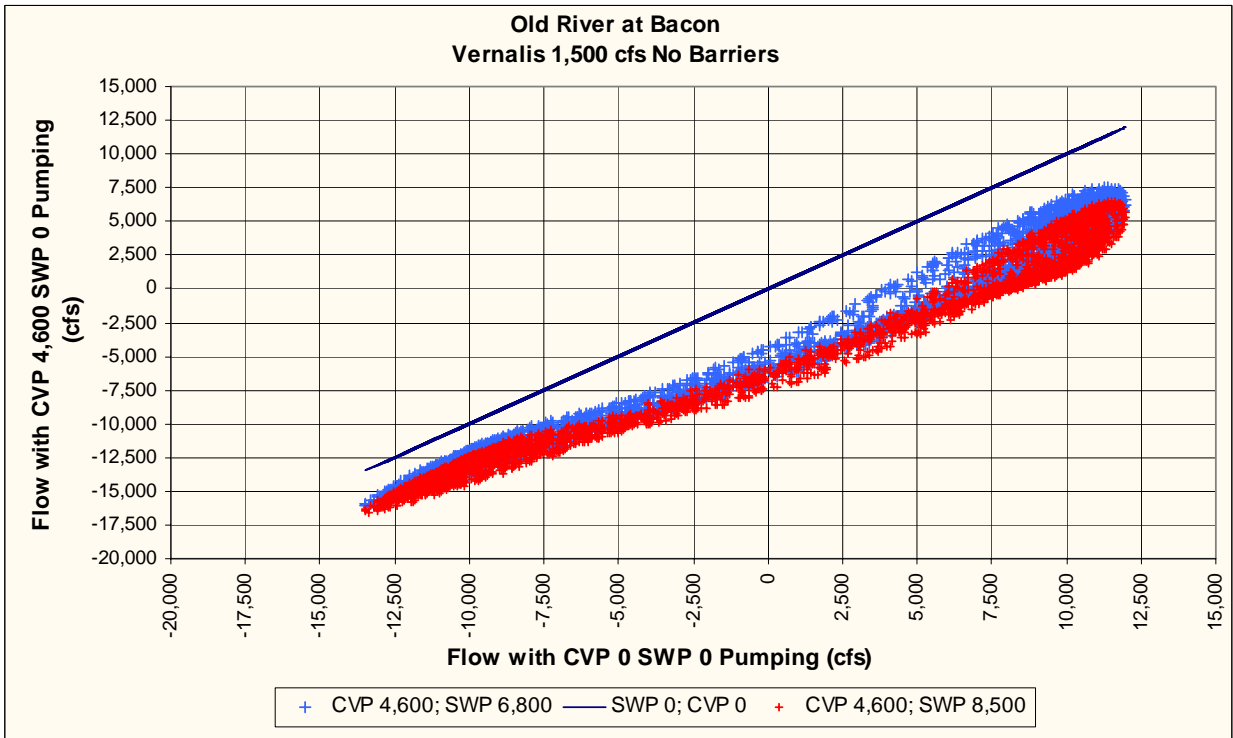
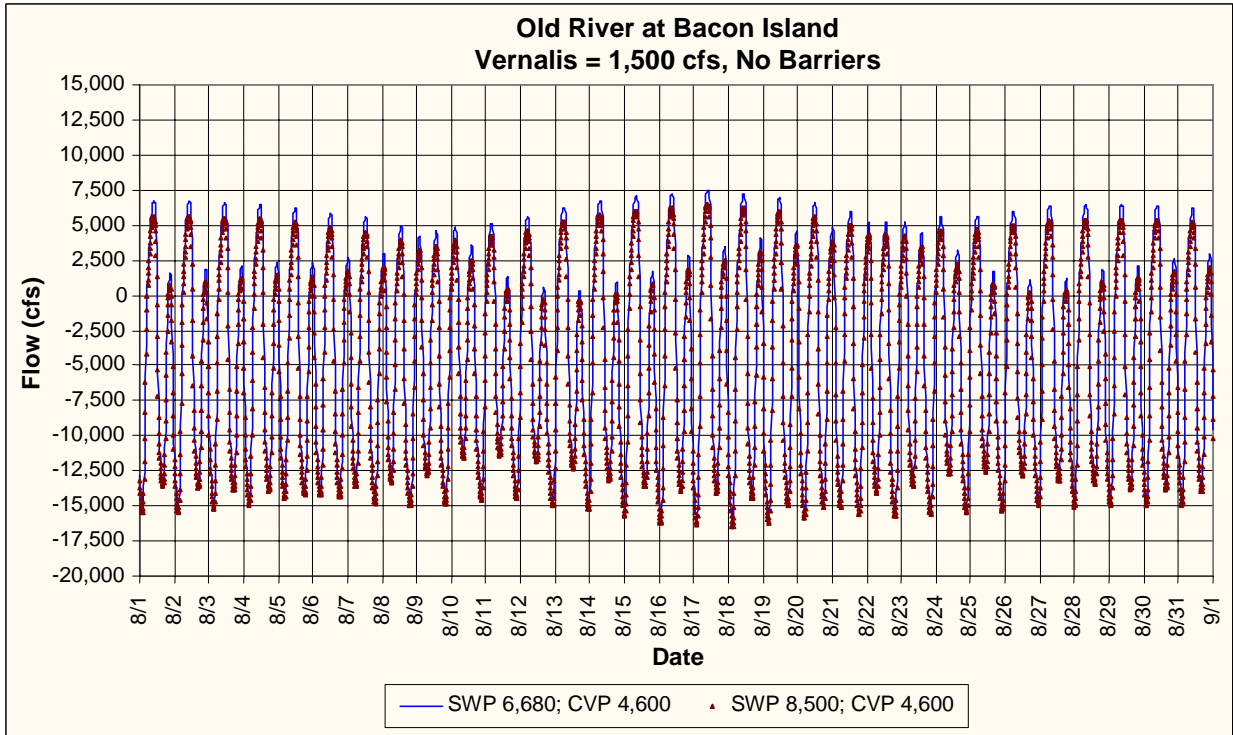


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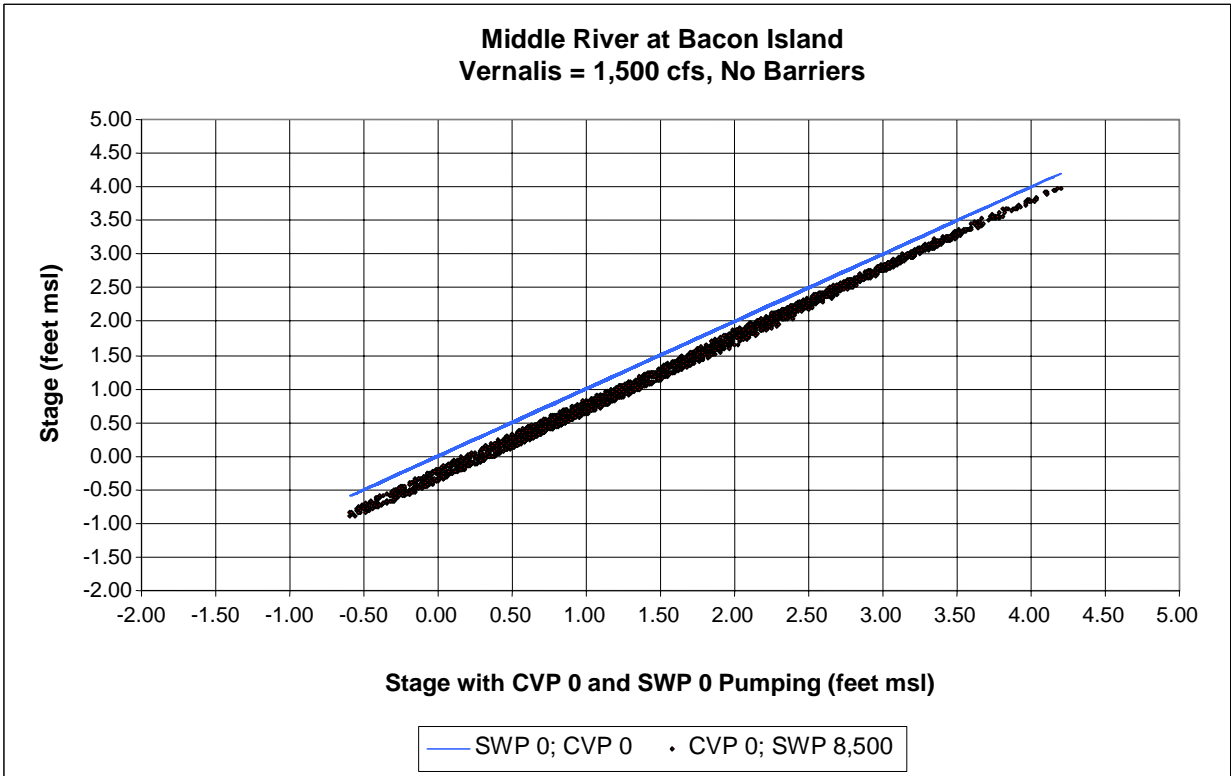
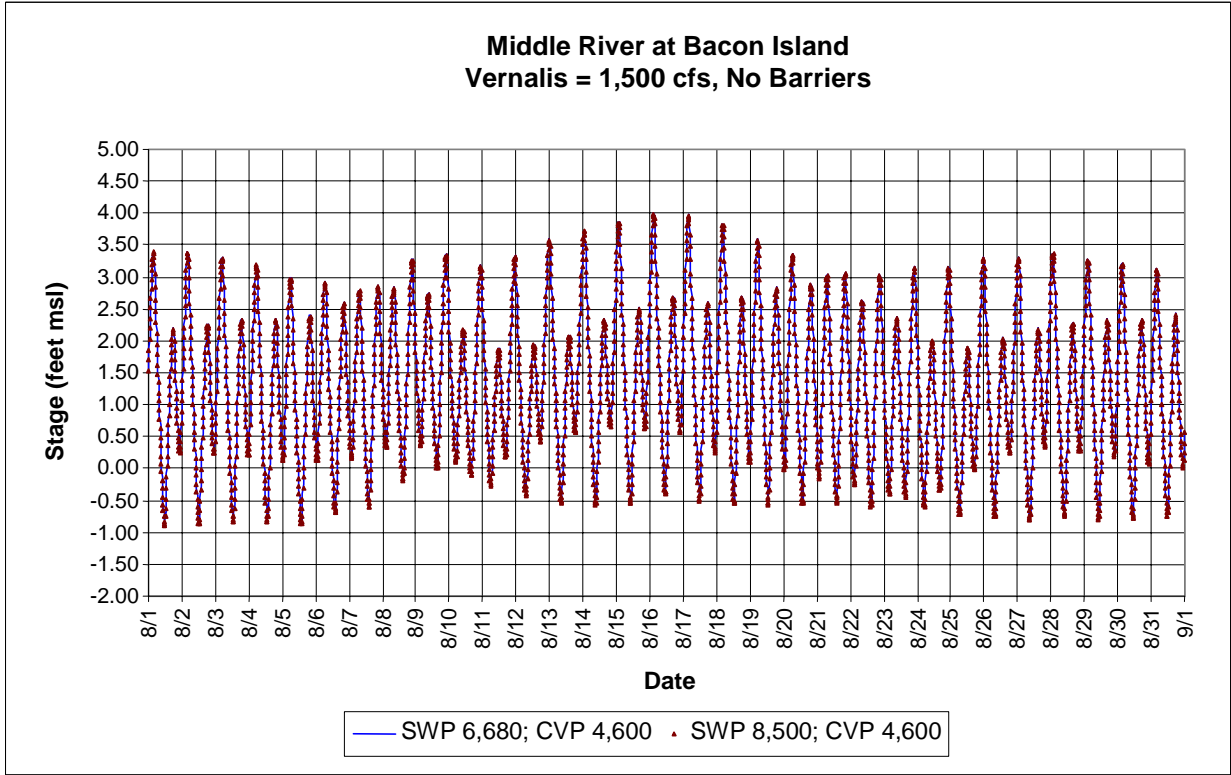
02053.02 101

Figure D-83
Simulated Flow in Old River at Bacon Island with CVP Pumping Only



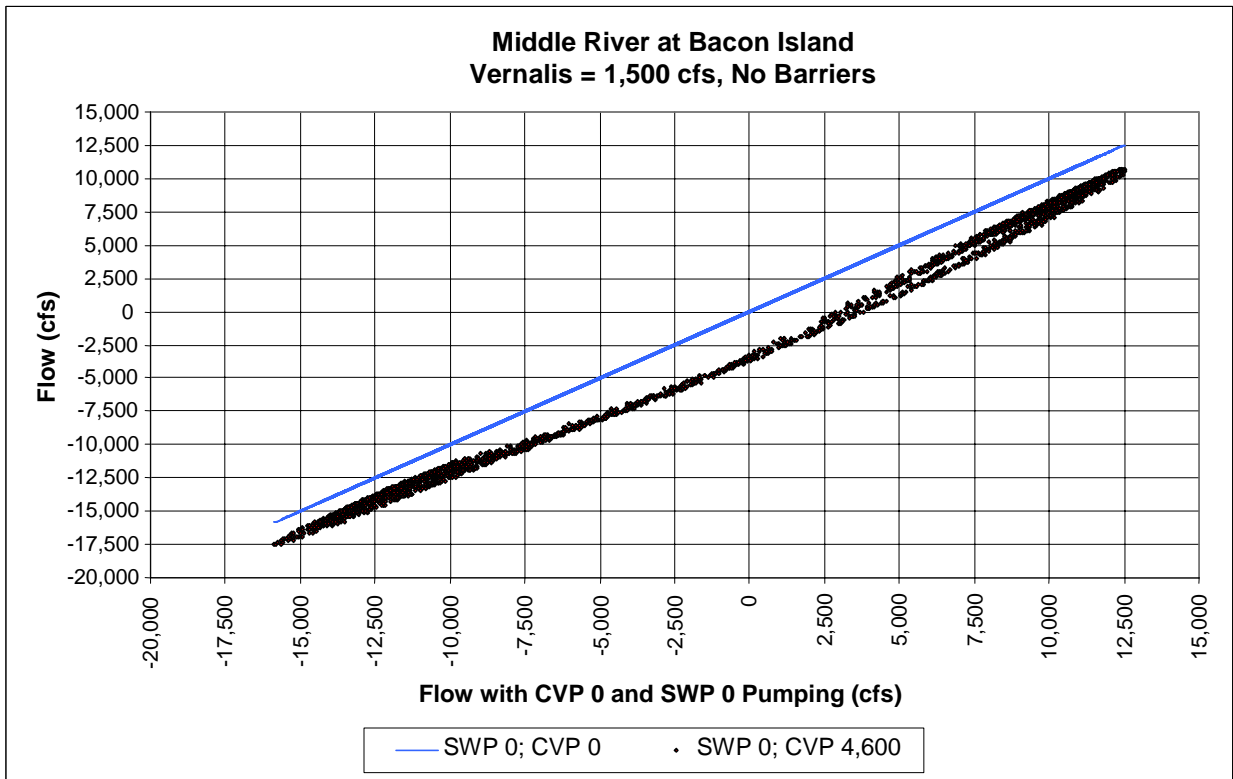
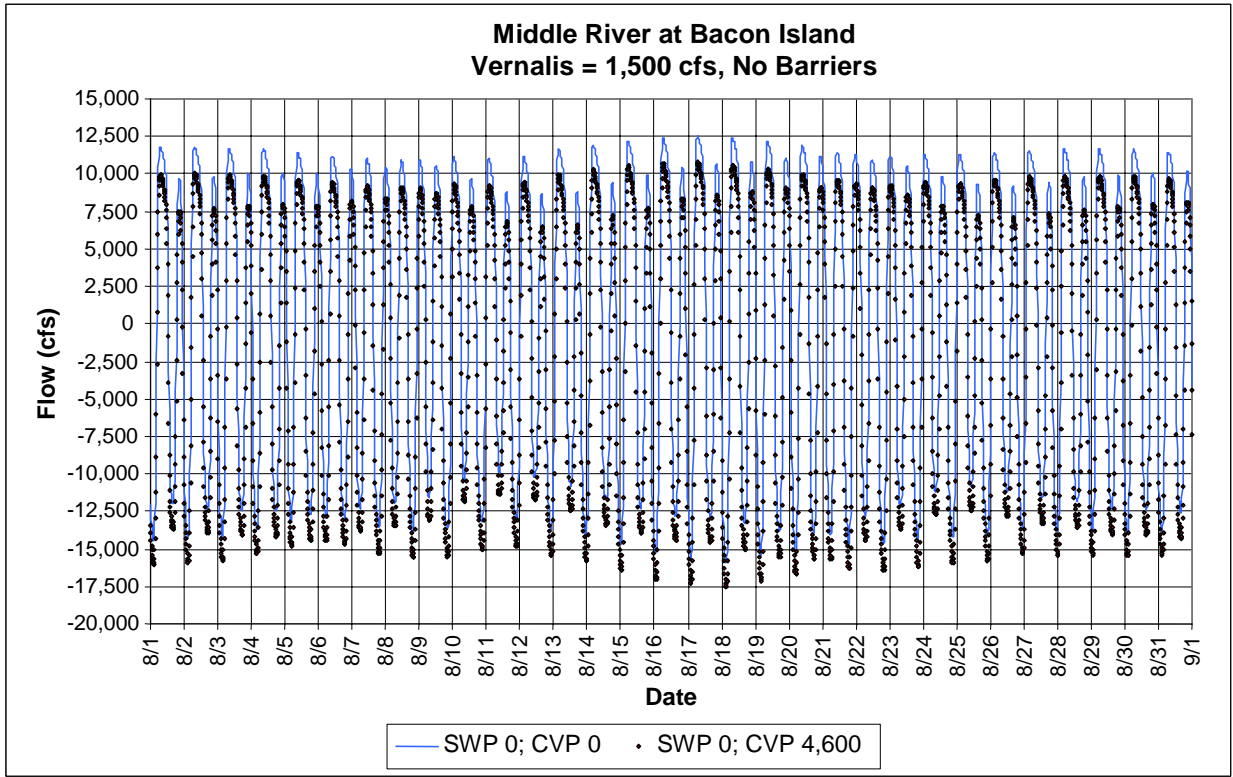
02053.02 101

Figure D-84
Simulated Flow in Old River at Bacon Island with CVP and SWP Pumping



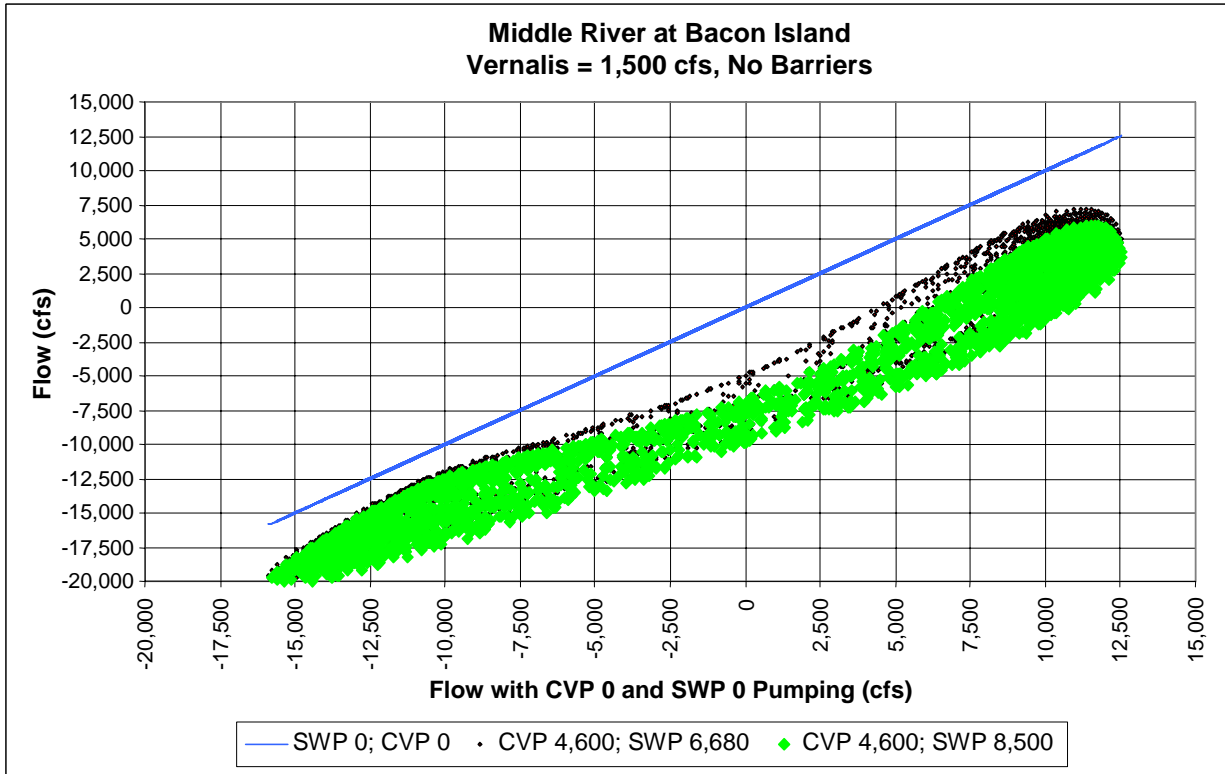
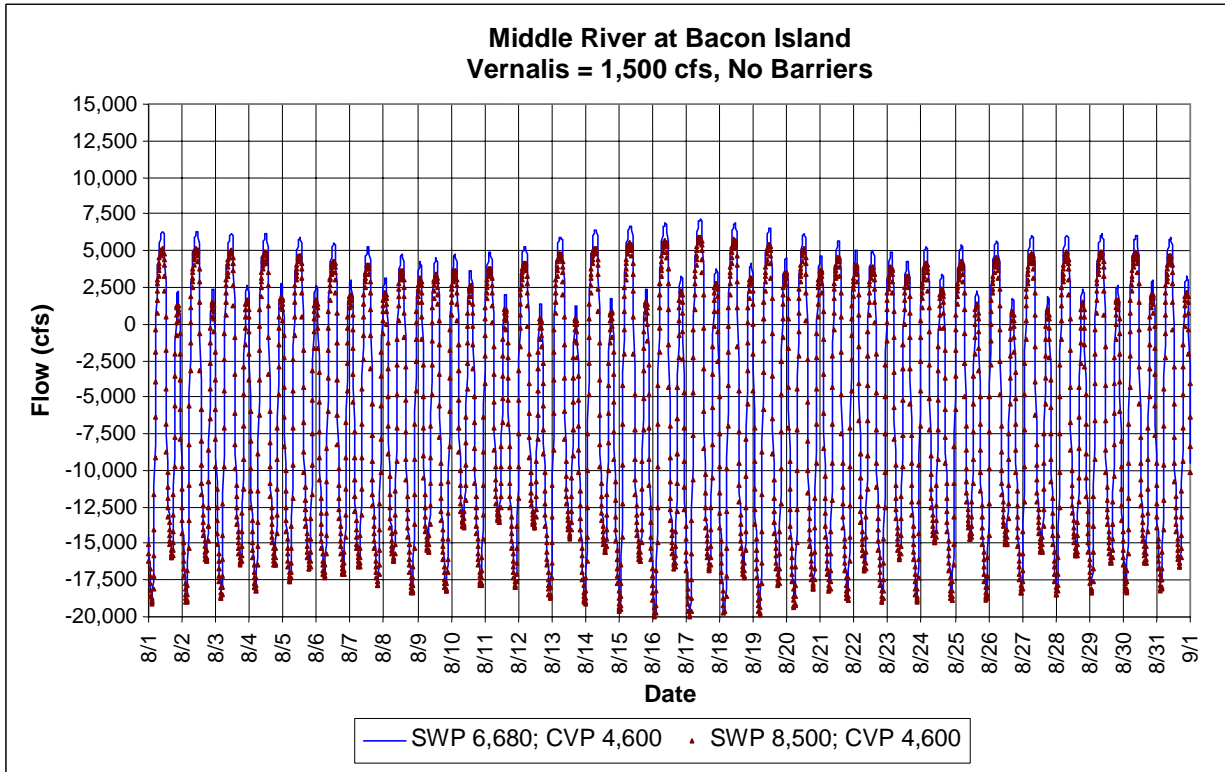
02053.02 101

Figure D-85
Simulated Water Surface Elevation (Stage)
in Middle River at Bacon Island



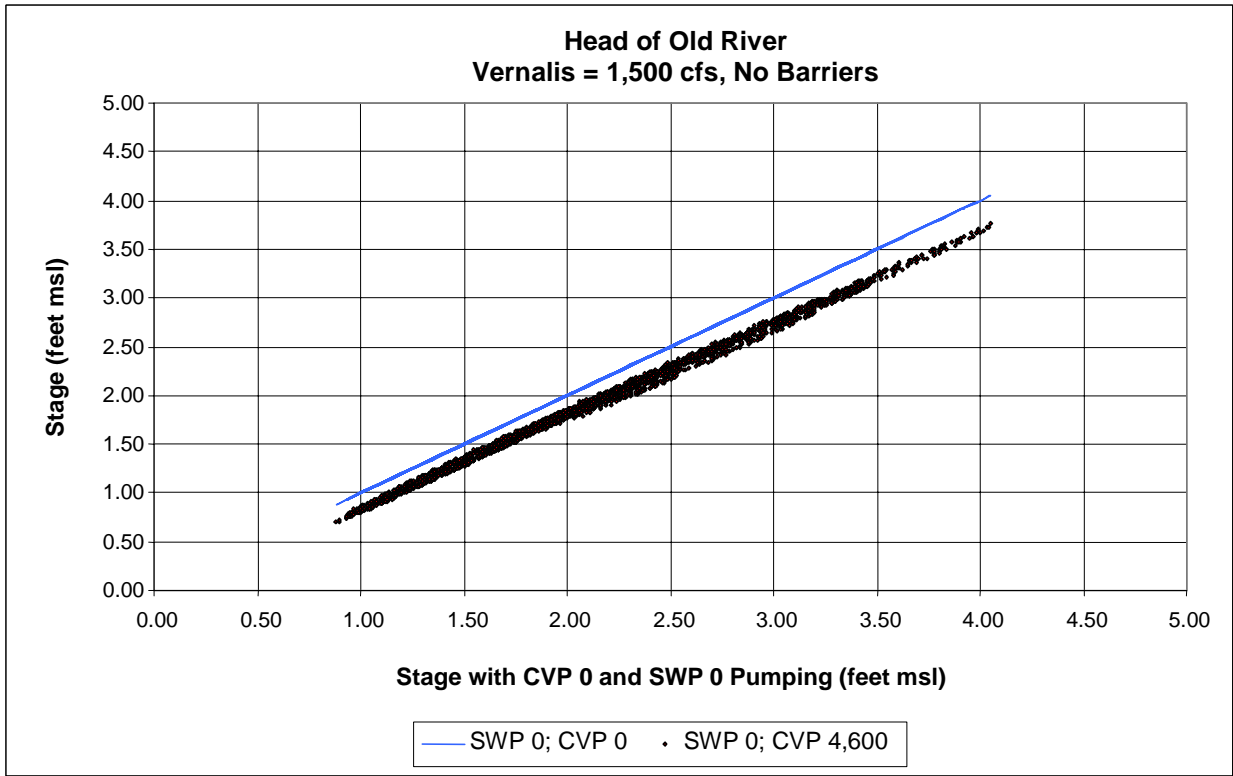
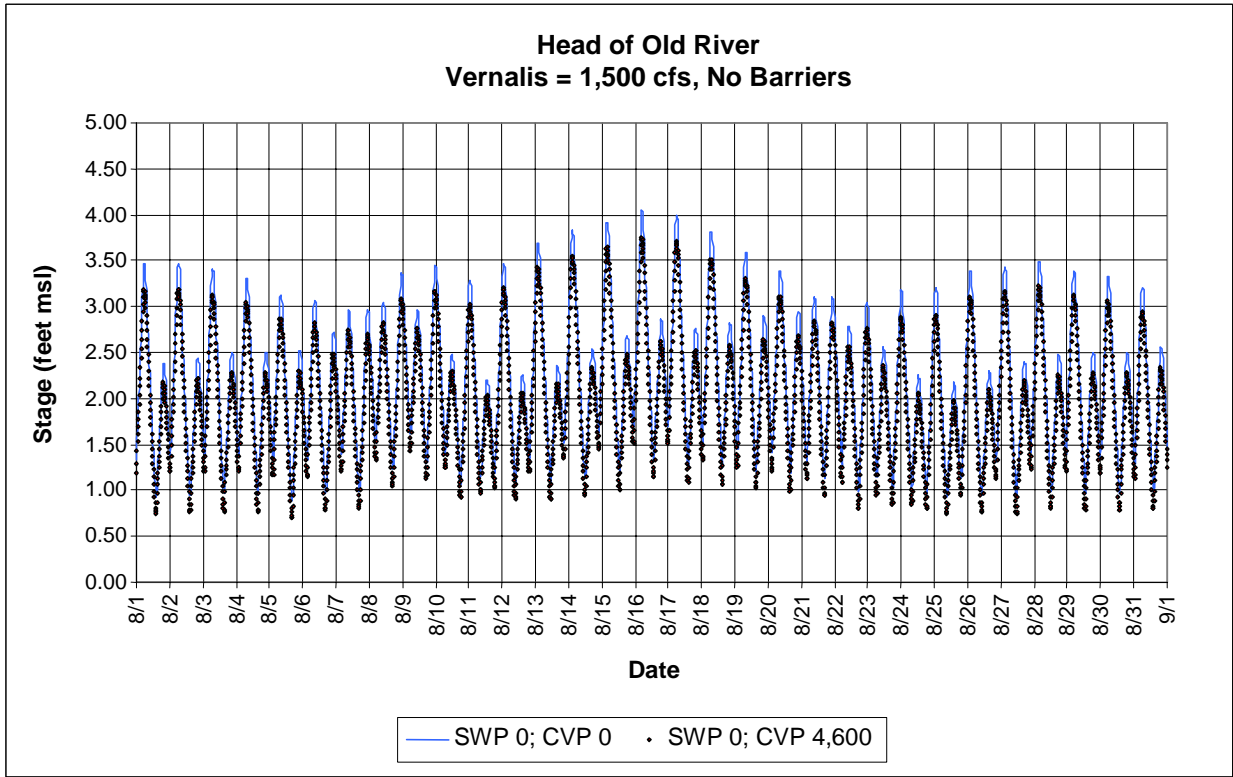
02053.02 101

Figure D-86
Simulated Flow in Middle River at Bacon Island with CVP Pumping Only

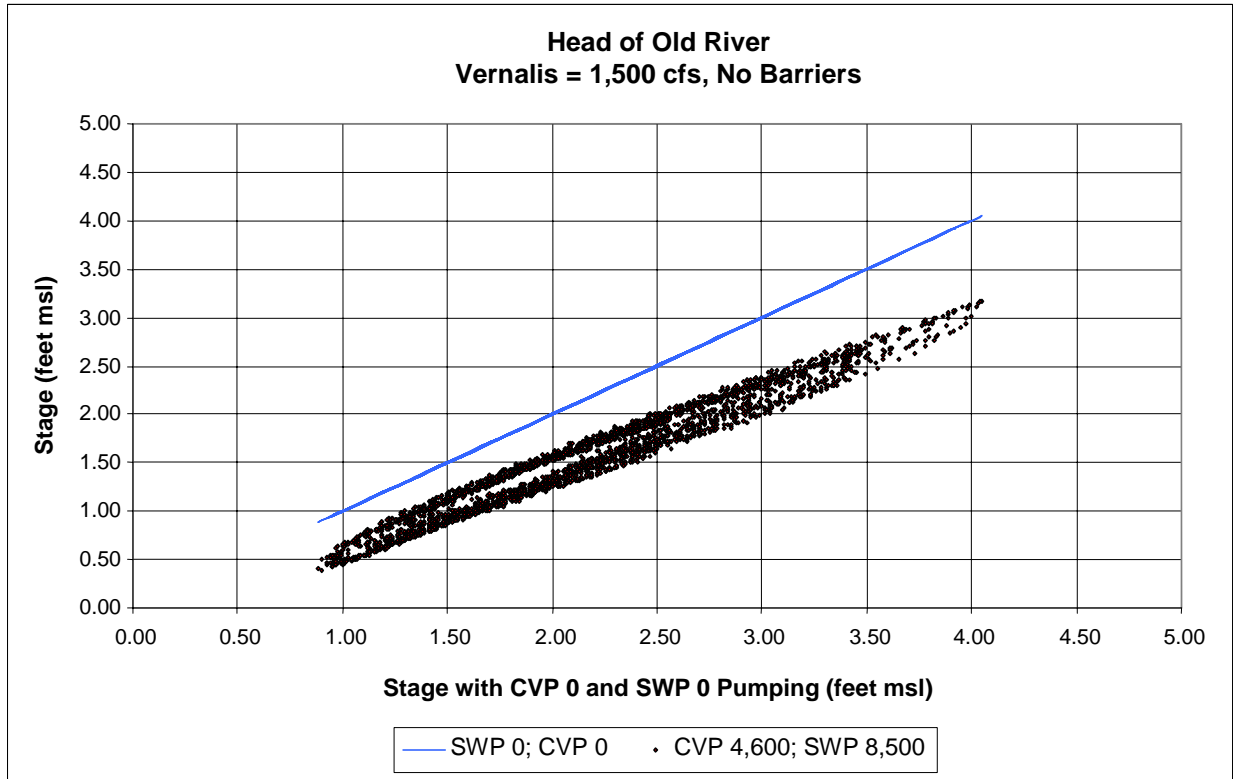
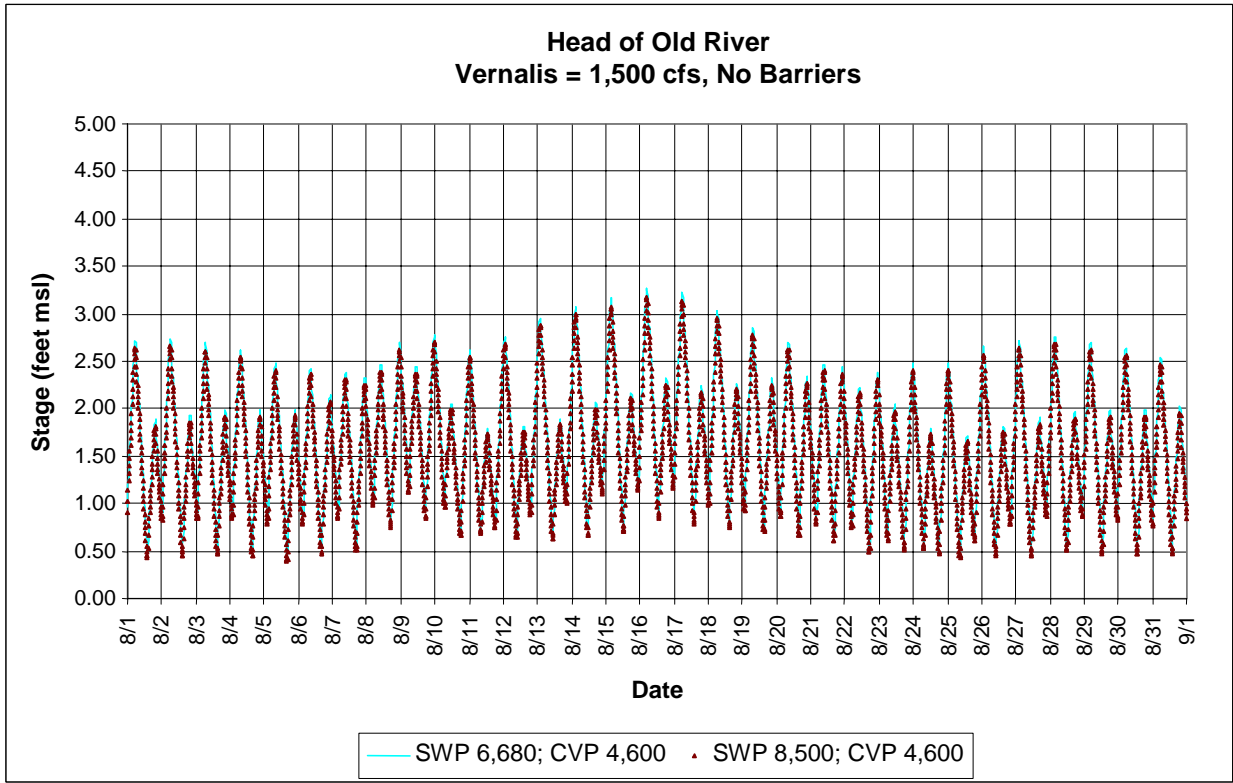


02053.02 101

Figure D-87
Simulated Flow in Middle River at Bacon Island with CVP and SWP Pumping

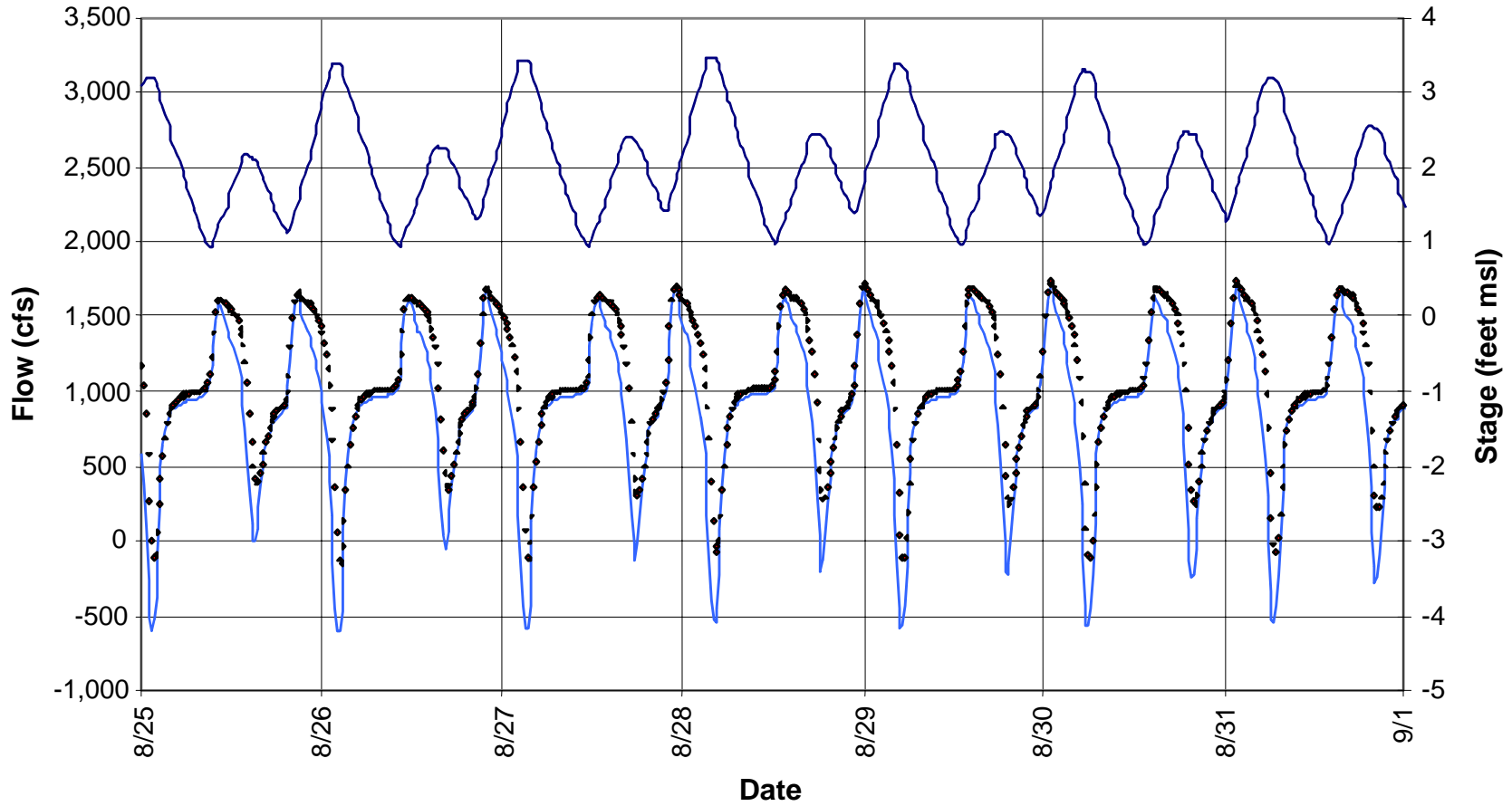


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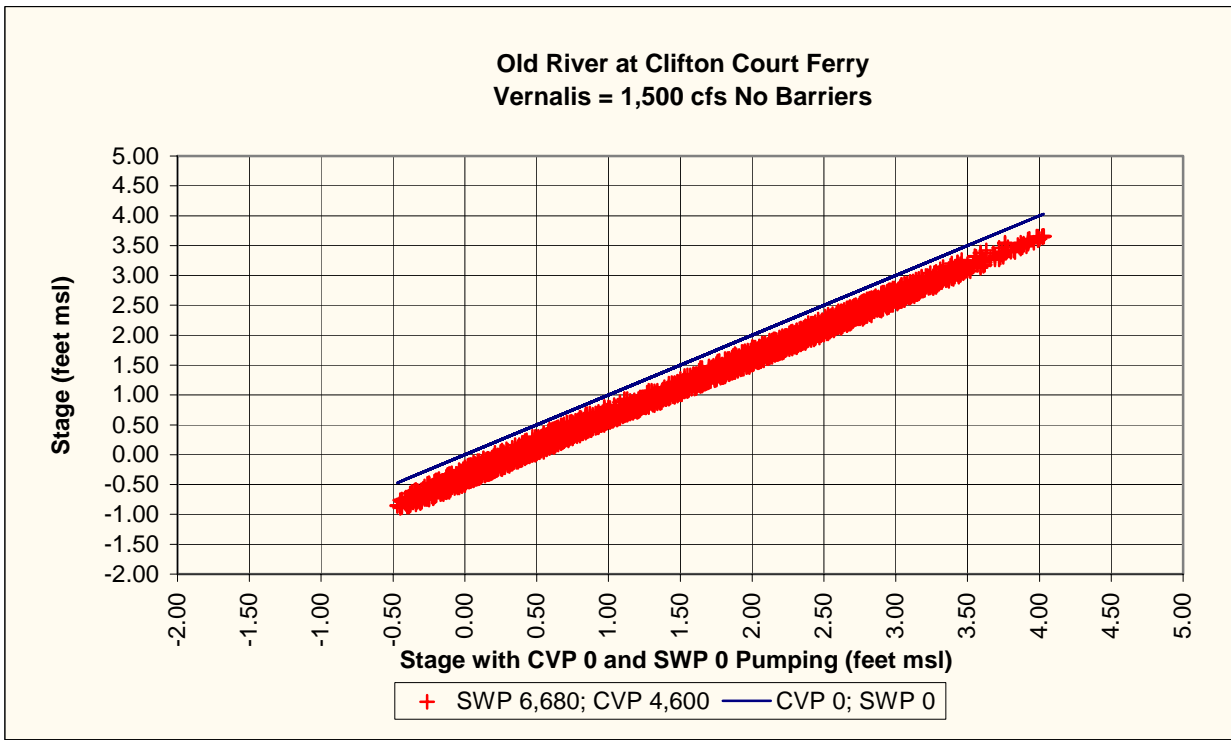
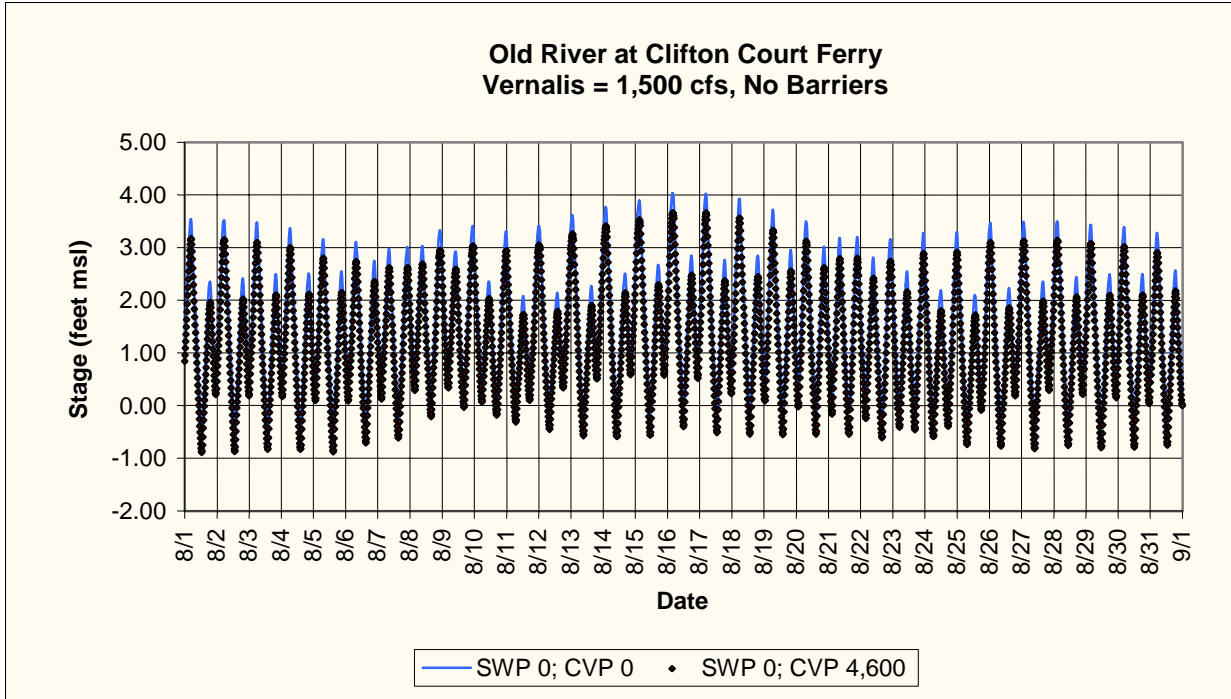


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**Tidal Stage and Flow at Head of Old River
Vernalis = 1,500 cfs, No Barriers**

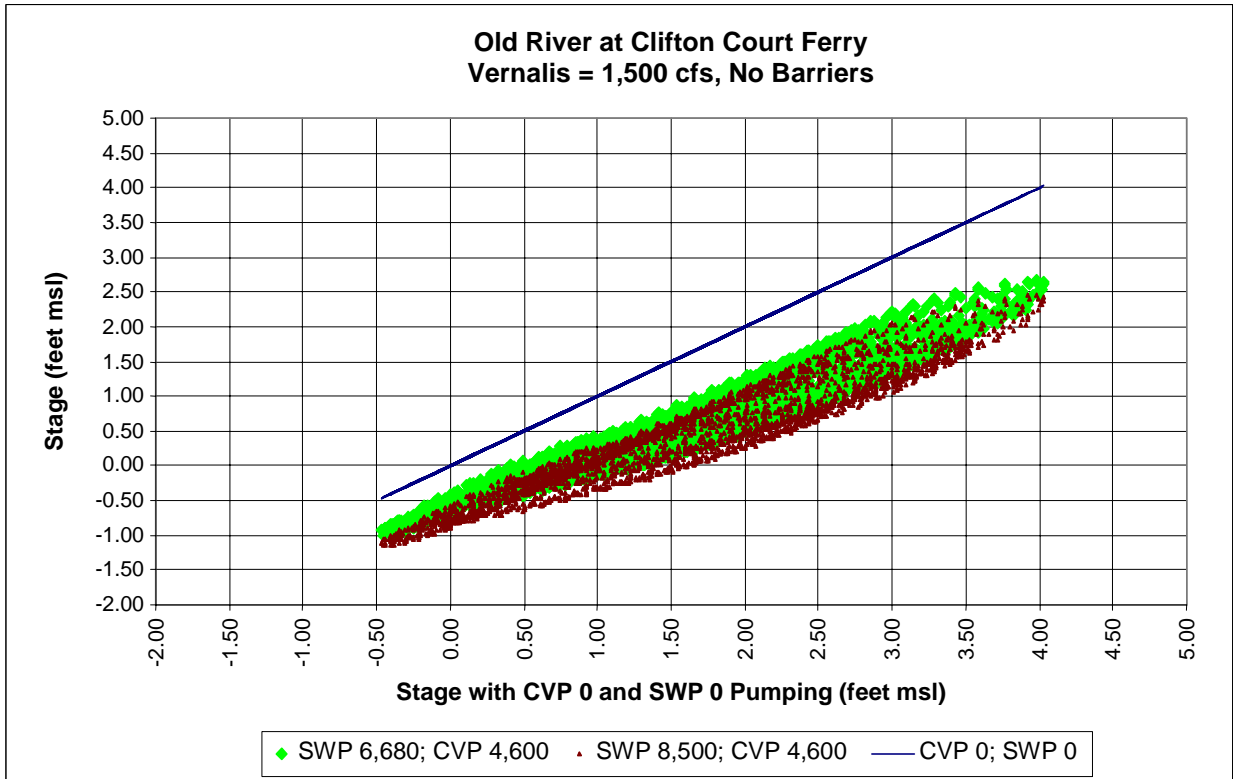
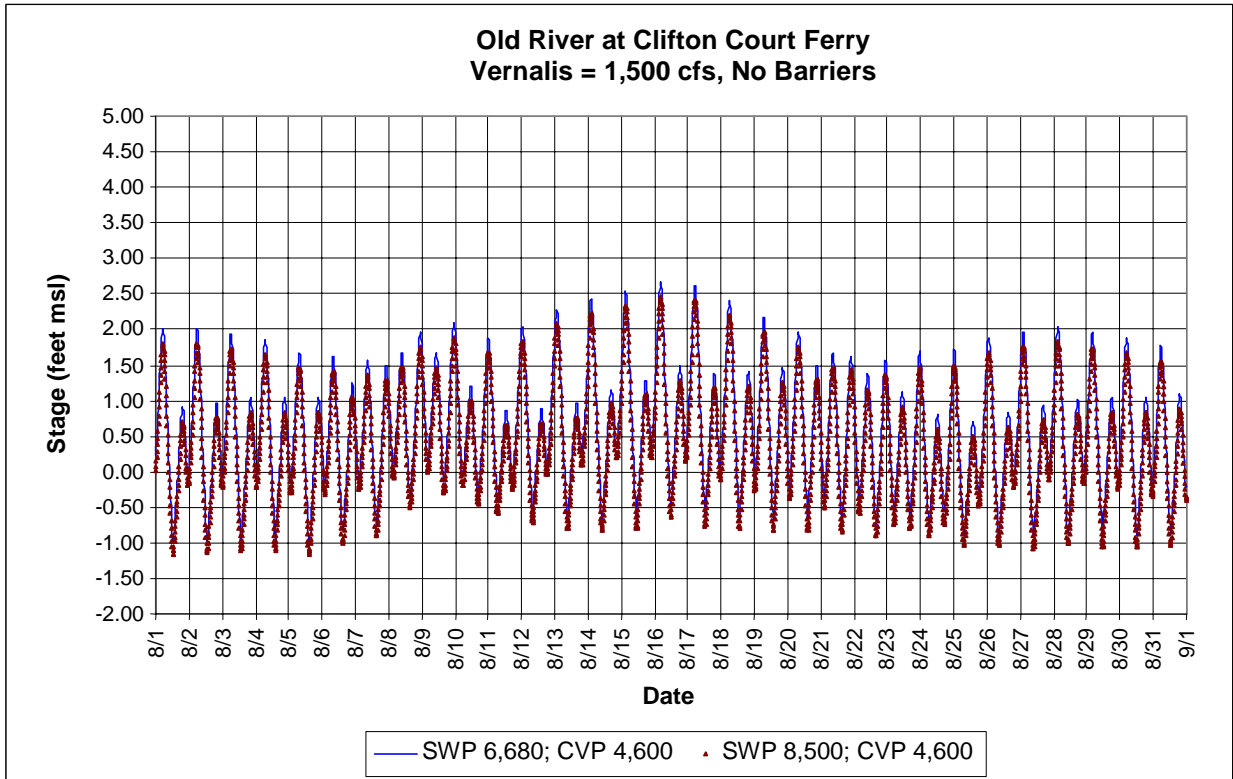


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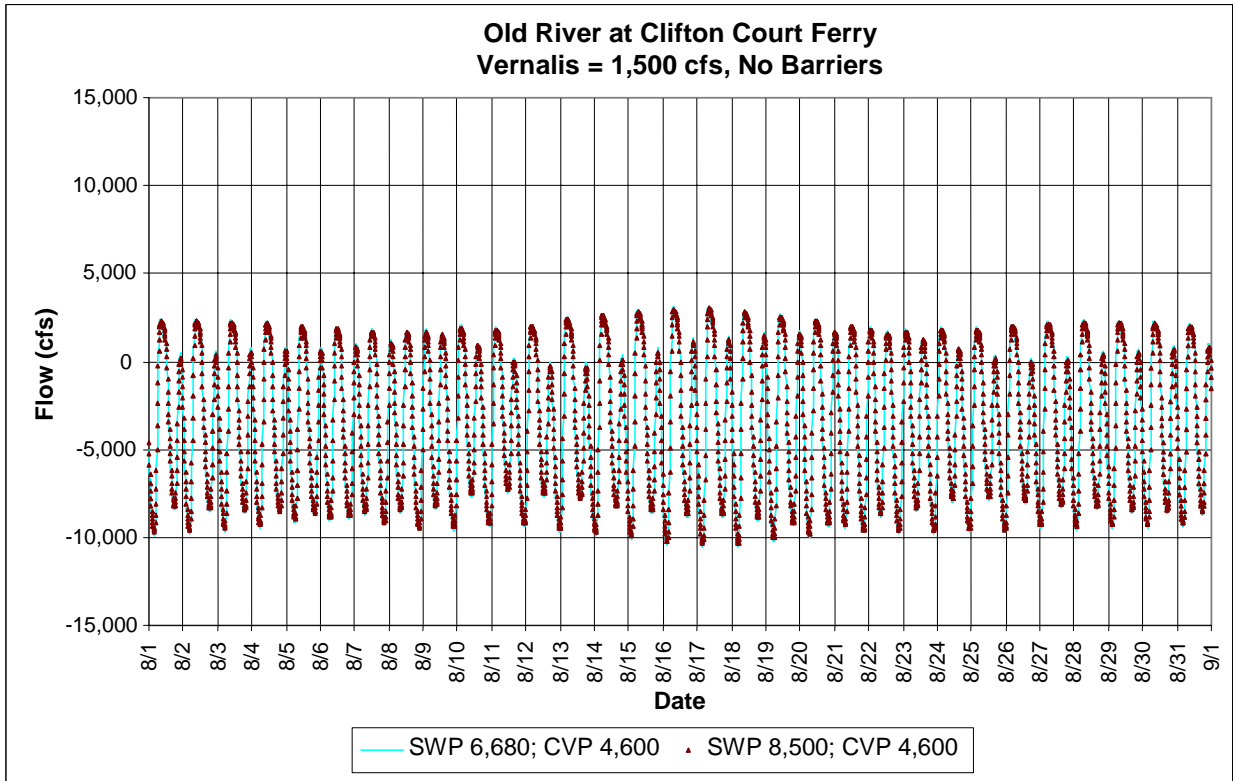
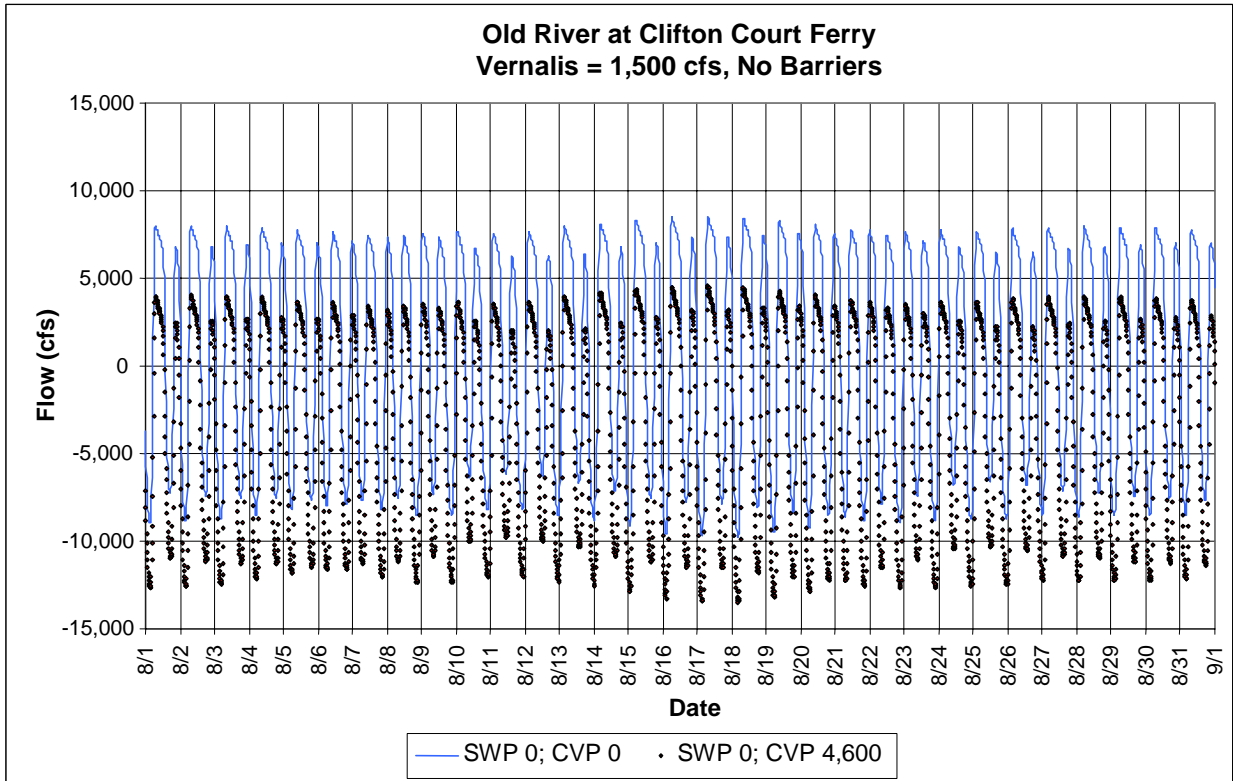


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Figure D-91
**Simulated Water Surface Elevation (Stage) in
Old River at Clifton Court Ferry with CVP Pumping Only**



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Figure D-93
Simulated Flow in Old River at Clifton Court Ferry with CVP and SWP Pumping