


Source: NOAA and numerical simulation

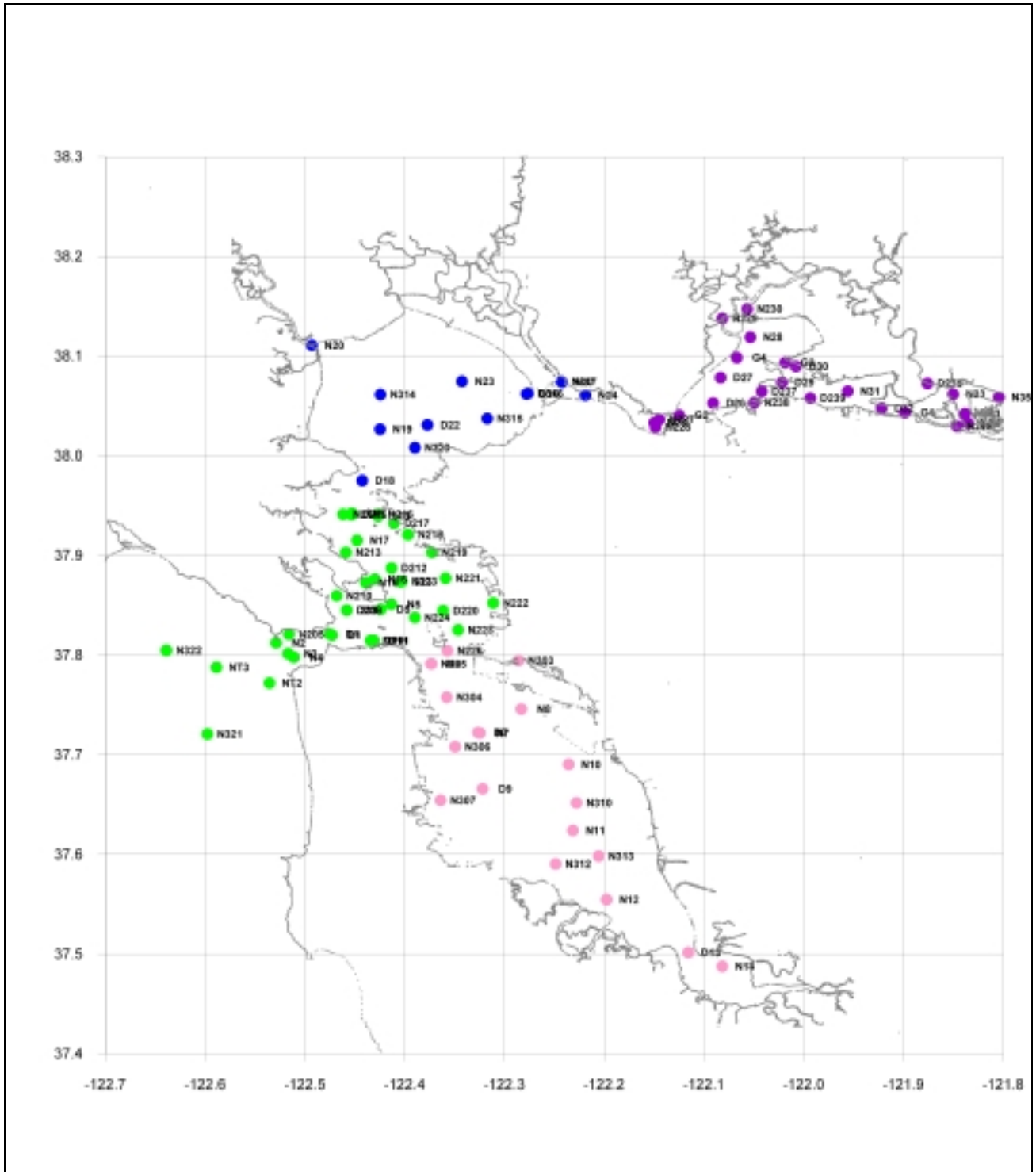
figure 4-11

Napa Sonoma Marsh Restoration Feasibility Study - Phase 2 Stage 1

**Comparison Water Level at
Stations 5111 and 5144**



PWA ref
#1545-46



Source: USGS

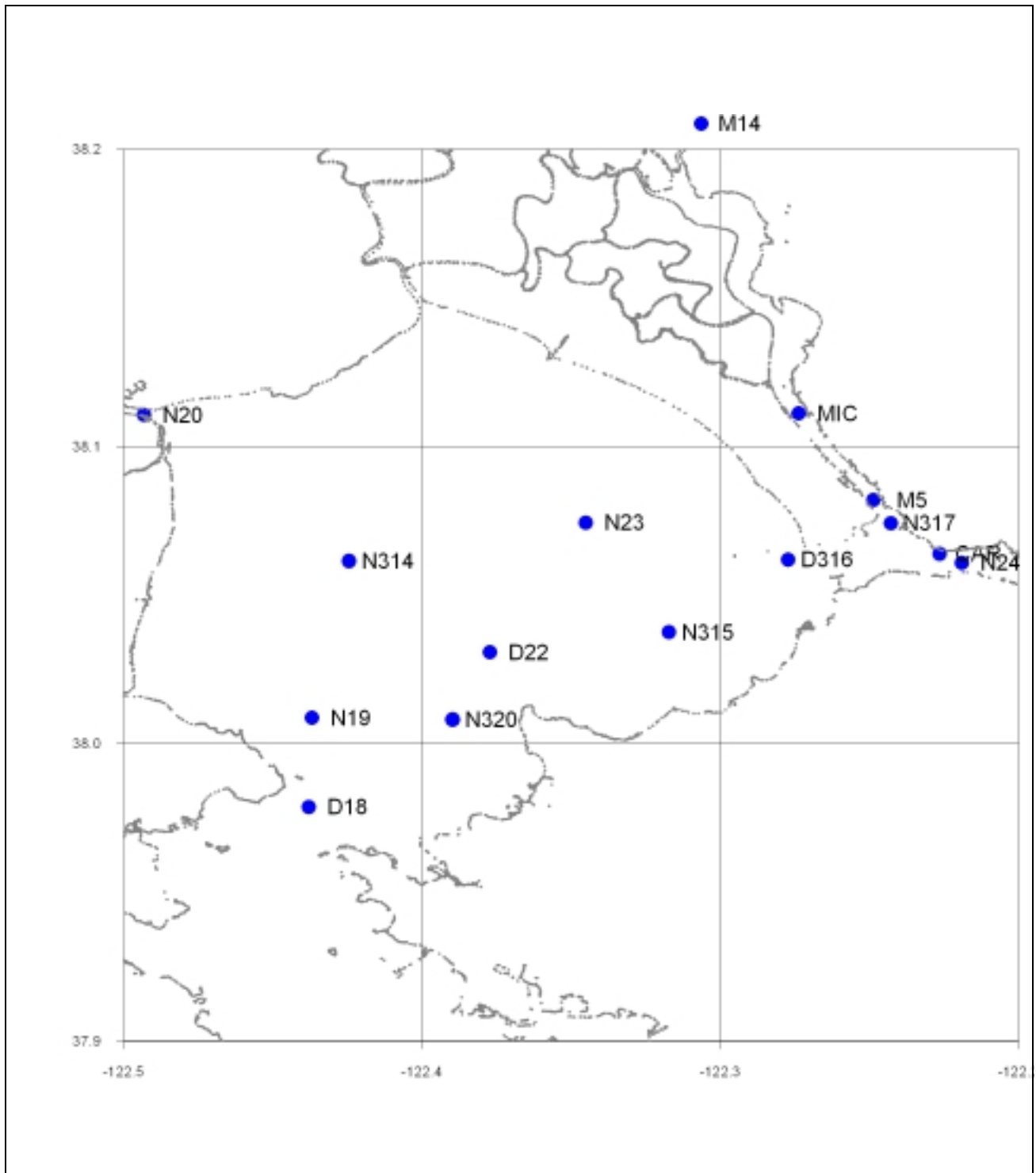
figure 4-12

Napa Sonoma Marsh Restoration Feasibility Study - Phase 2 Stage 1

San Francisco Bay Current Measurement Stations



PWA ref #1545-46



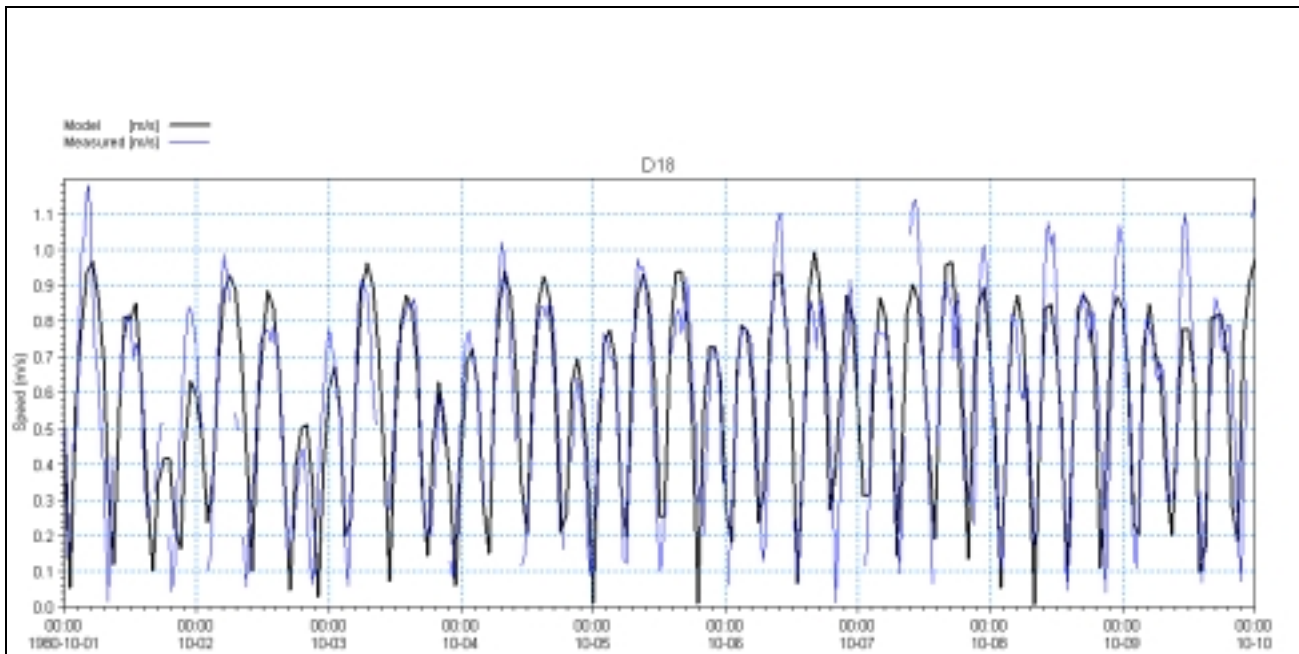
Source: USGS

figure 4-13

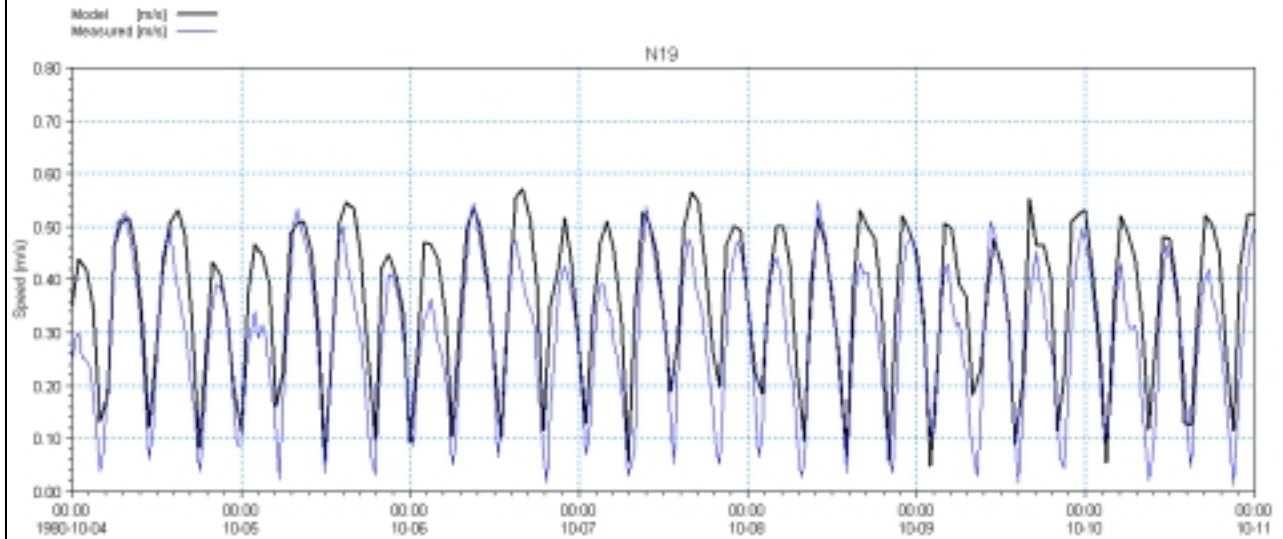
Napa Sonoma Marsh Restoration Feasibility Study- Phase 2 Stage 1
San Pablo Current Measurement Stations



PWA ref
 #1545-46



D18 Current meters averaged from 6.1, 12.2 and 19.2 meter depths.
Water depth = 21.3 meters



N19 current meter depth = 1.8 meters. Water depth = 3.4 meters.

Source: USGS and numerical simulation

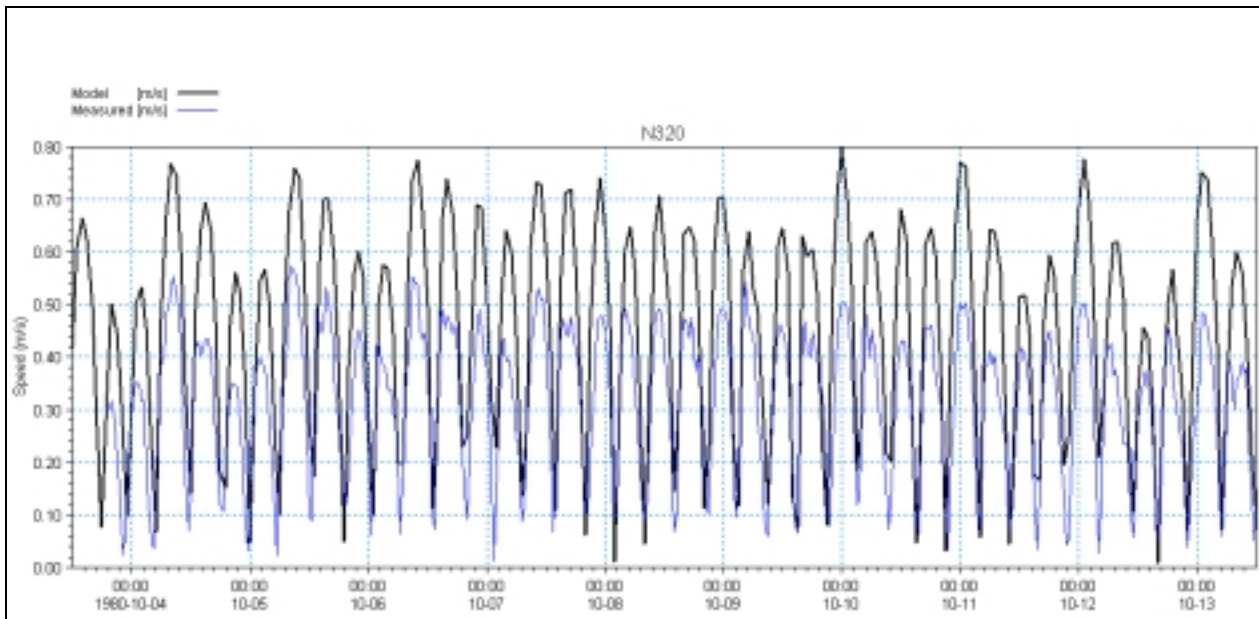
figure 4-14

Napa Sonoma Marsh Restoration Feasibility Study- Phase 2 Stage 1

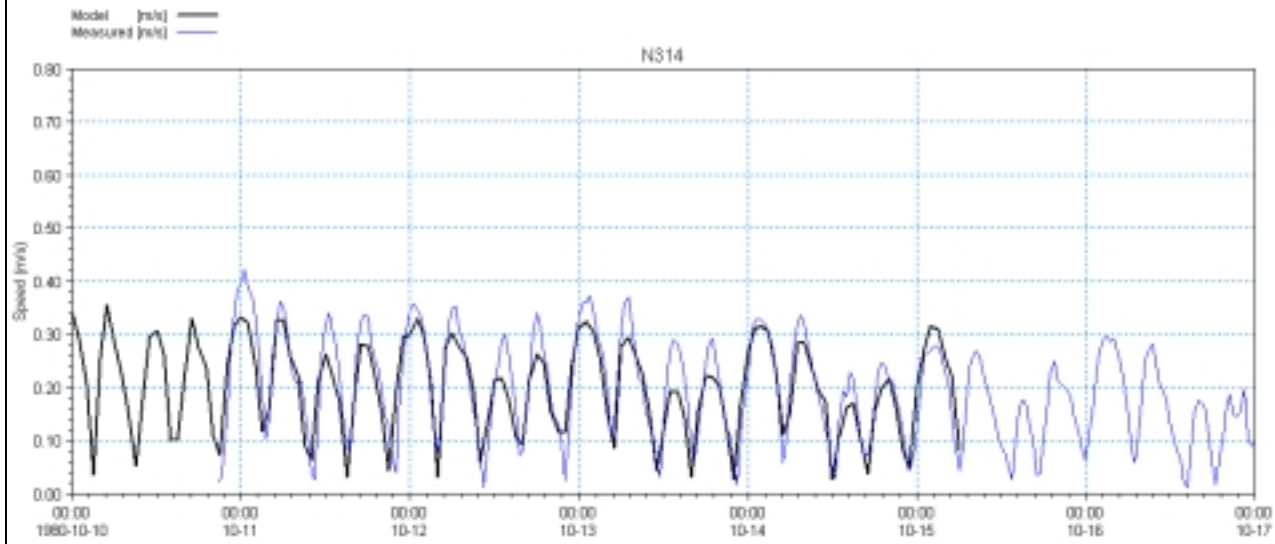
Comparison of Current Speed at Stations D18 and N19



PWA ref
#1545-46



N320 current meter depth = 5.8 meters. Water depth = 7.3 meters



N314 current meter depth = 1.5meters. Water depth = 3.4 meters

Source: USGS and numerical simulation

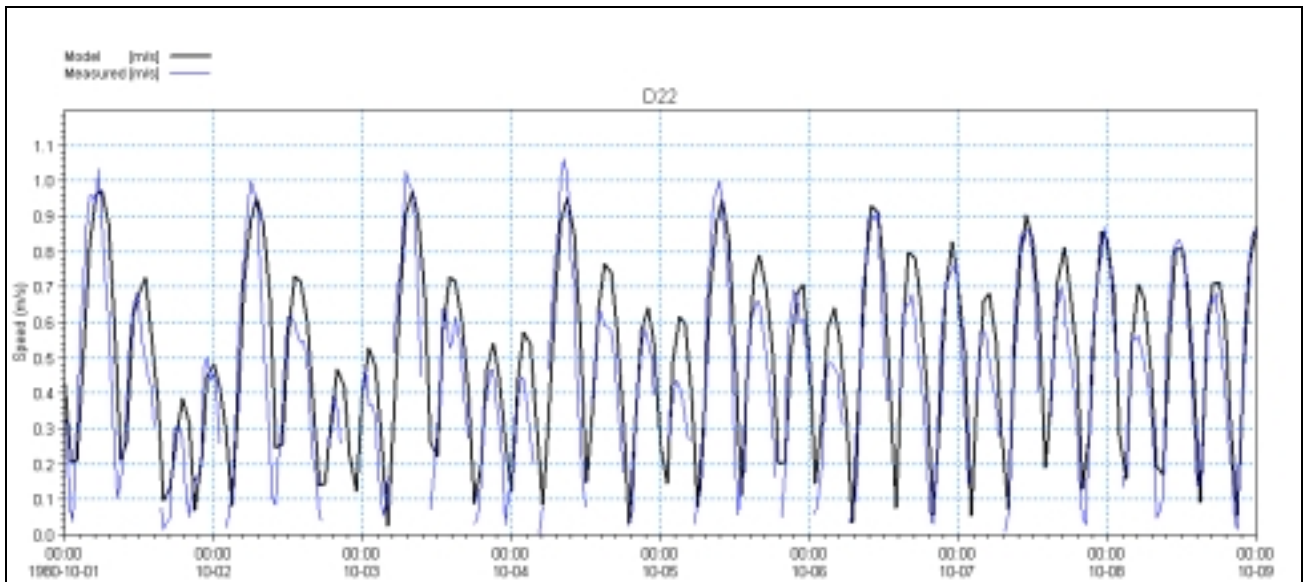
figure 4-15

Napa Sonoma Marsh Restoration Feasibility Study- Phase 2 Stage 1

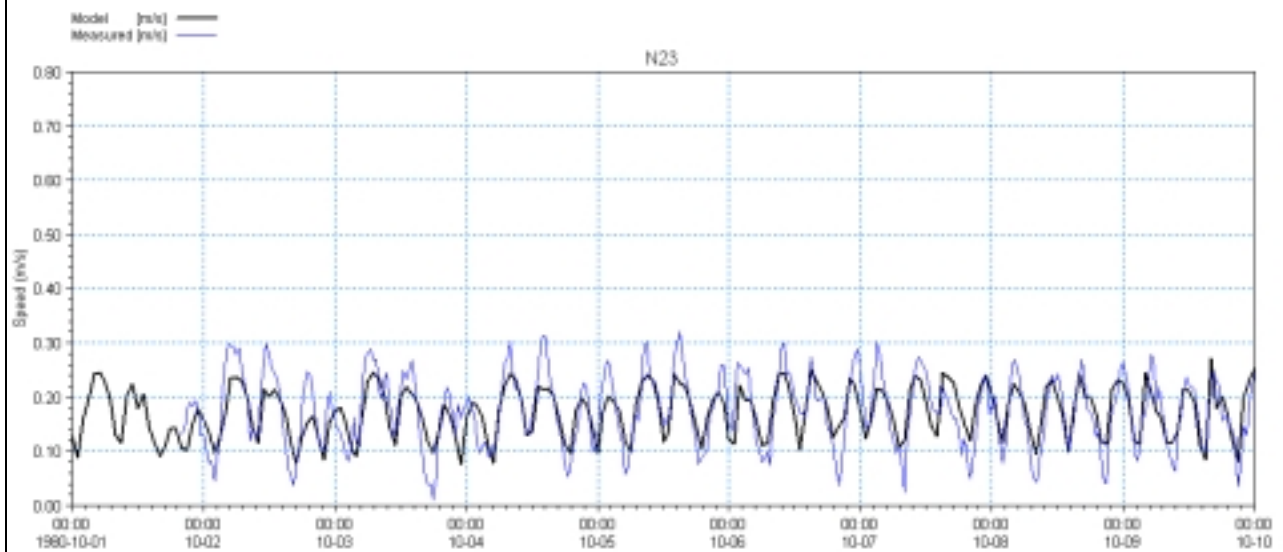
Comparison of Current Speed at Stations N320 and N317



PWA ref #1545-46



D22 current meters averaged from 3.0 and 6.1 meters depth. Water depth = 10.6 meters



N23 current meter depth = 0.9 meters. Water depth = 1.8 meters

Source: USGS and numerical simulation

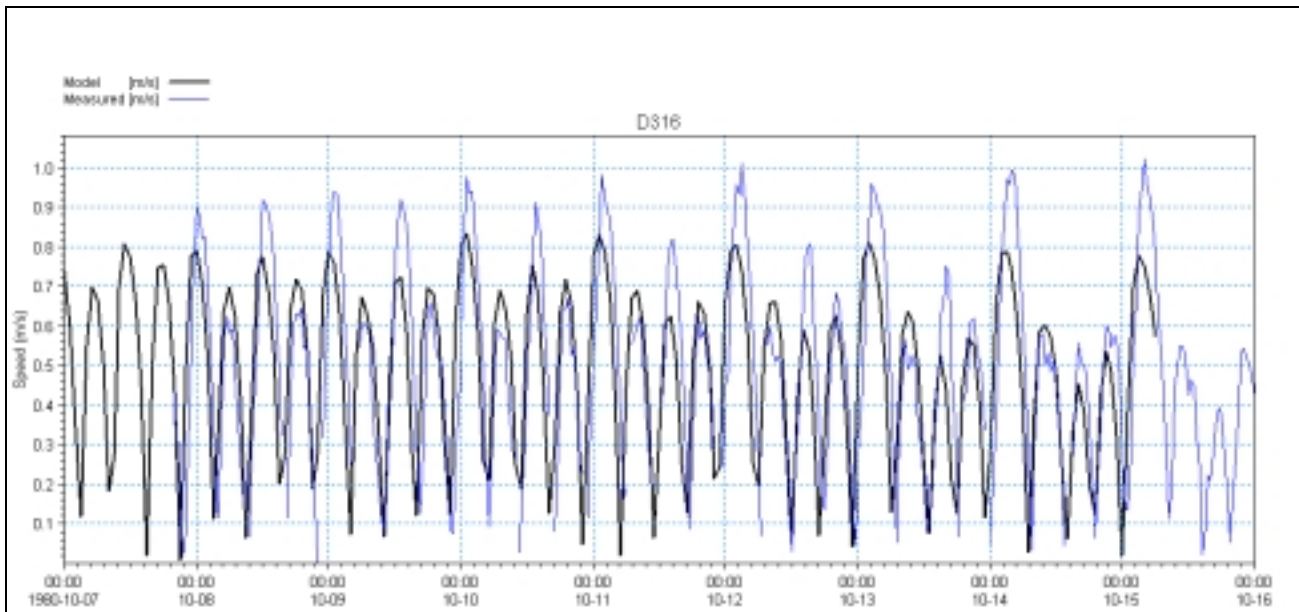
figure 4-16

Napa Sonoma Marsh Restoration Feasibility Study- Phase 2 Stage 1

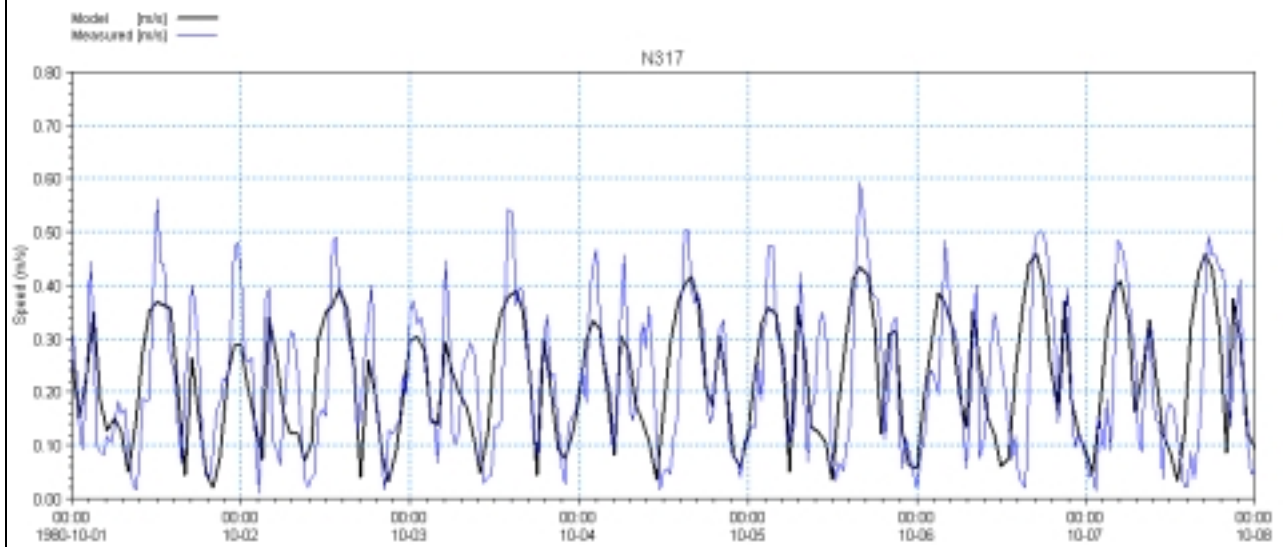
Comparison of Current Speed at Stations D22 and N23



PWA ref #1545-46



D316 current meters averaged from depth = 3.0 and 6.1 meters. Water depth = 11.6 meters.



N317 current meter depth = 6.4 meters. Water depth = 7.9 meters.

Source: USGS and numerical simulation

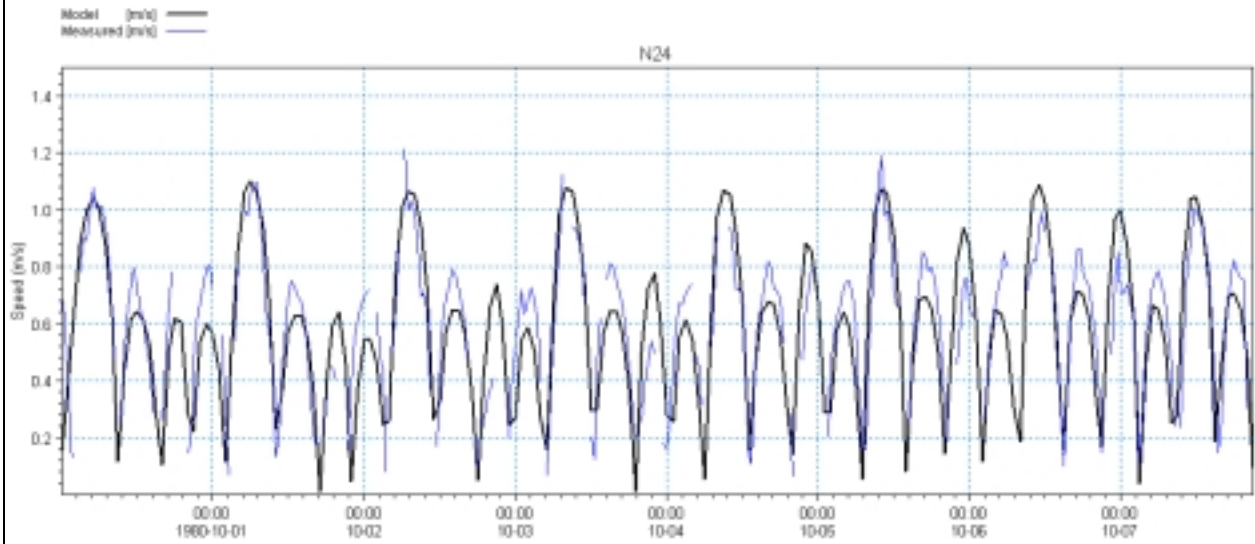
figure 4-17

Napa Sonoma Marsh Restoration Feasibility Study- Phase 2 Stage 1

Comparison of Current Speed at Stations D316 and N317



PWA ref
#1545-46



N24 current meters averaged from depth = 3.0 and 6.1 meters. Water depth = 11.6 meters.

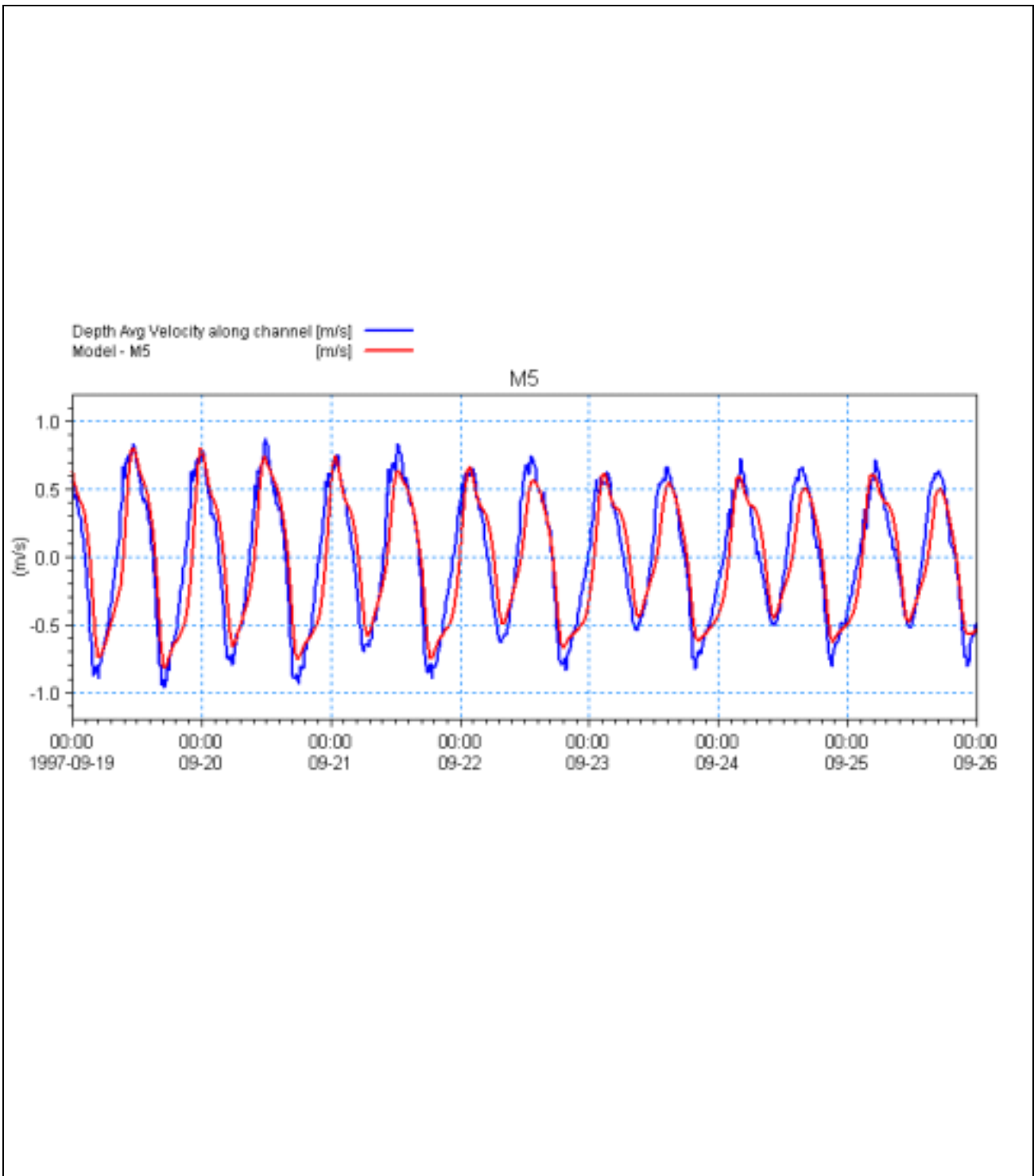
Source: USGS and numerical simulation

figure **4-18**

Napa Sonoma Marsh Restoration Feasibility Study- Phase 2 Stage 1
Comparison of Current Speed at Station N24



PWA ref
 #1545-46



Source: UC Davis/USGS and numerical simulation
 Note: measured currents are depth-averaged

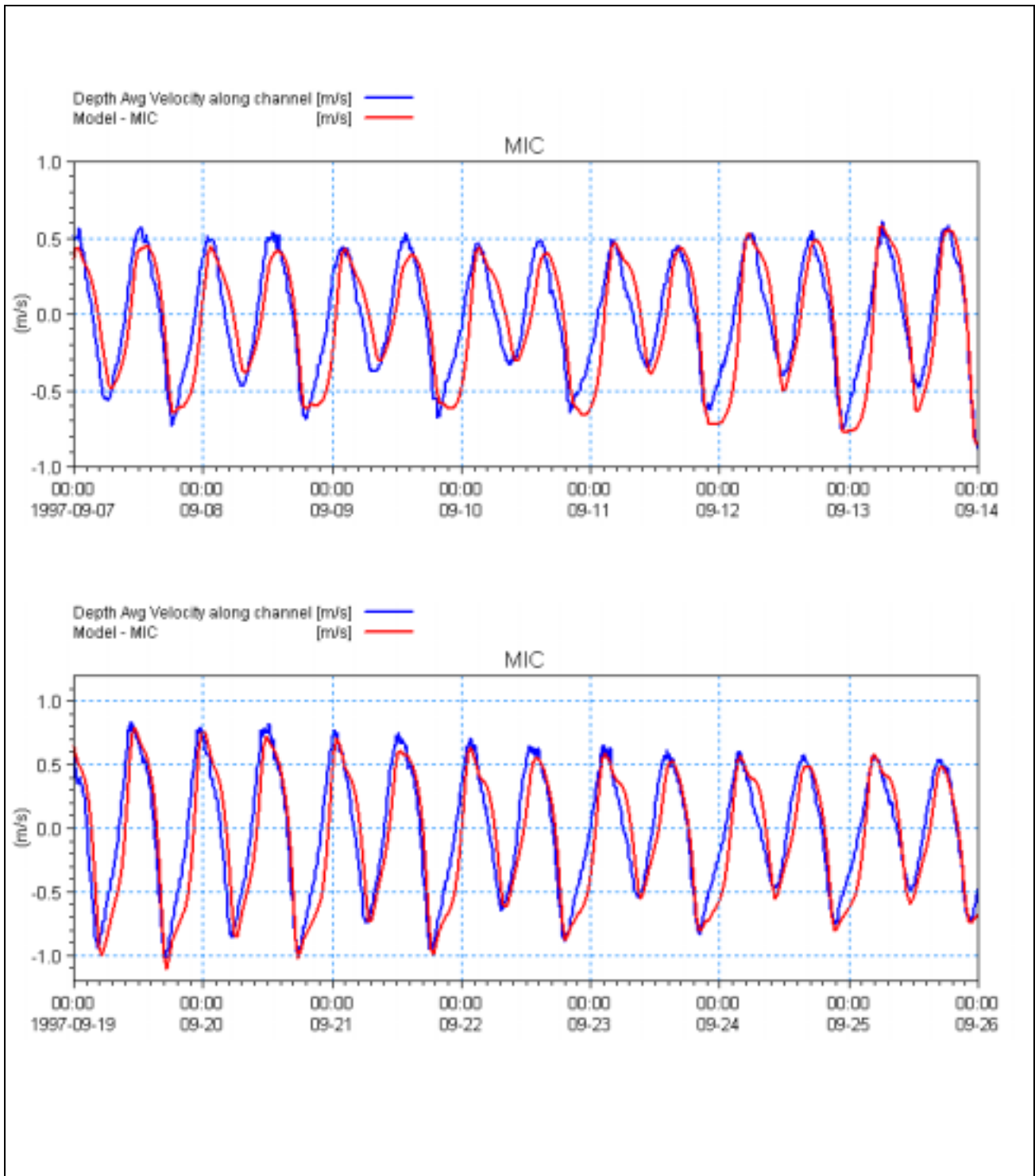
figure 4-19

Napa Sonoma Marsh Restoration Feasibility Study- Phase 2 Stage 1

Comparison of Depth-Averaged Velocity at Station M5



PWA ref
 #1545-46



Source: UC Davis/USGS and numerical simulation
 Note: measured currents are depth-averaged

figure 4-20

Napa Sonoma Marsh Restoration Feasibility Study- Phase 2 Stage 1
**Comparison of Depth-Averaged Velocity at
 Station MIC**



PWA ref
 #1545-46