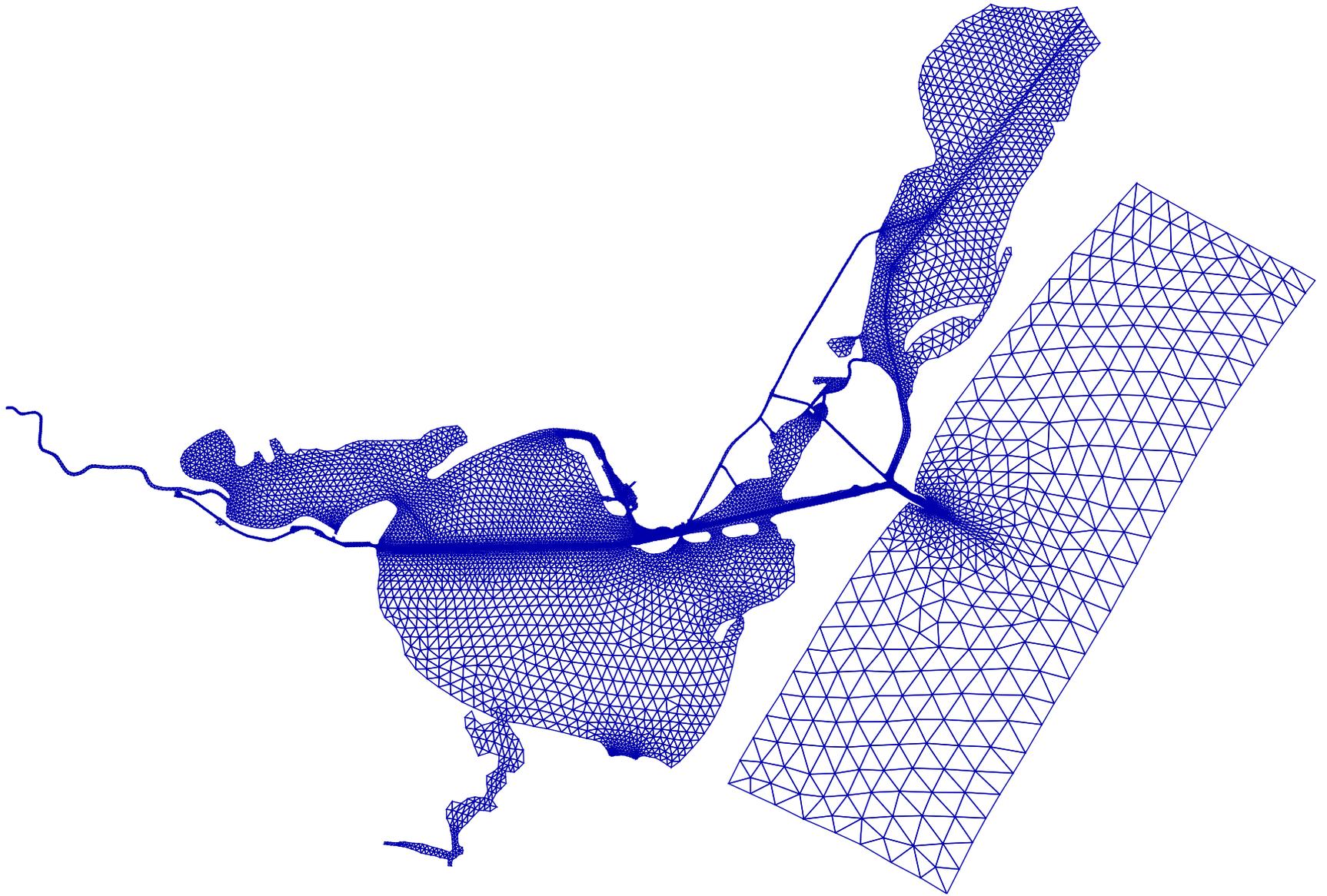


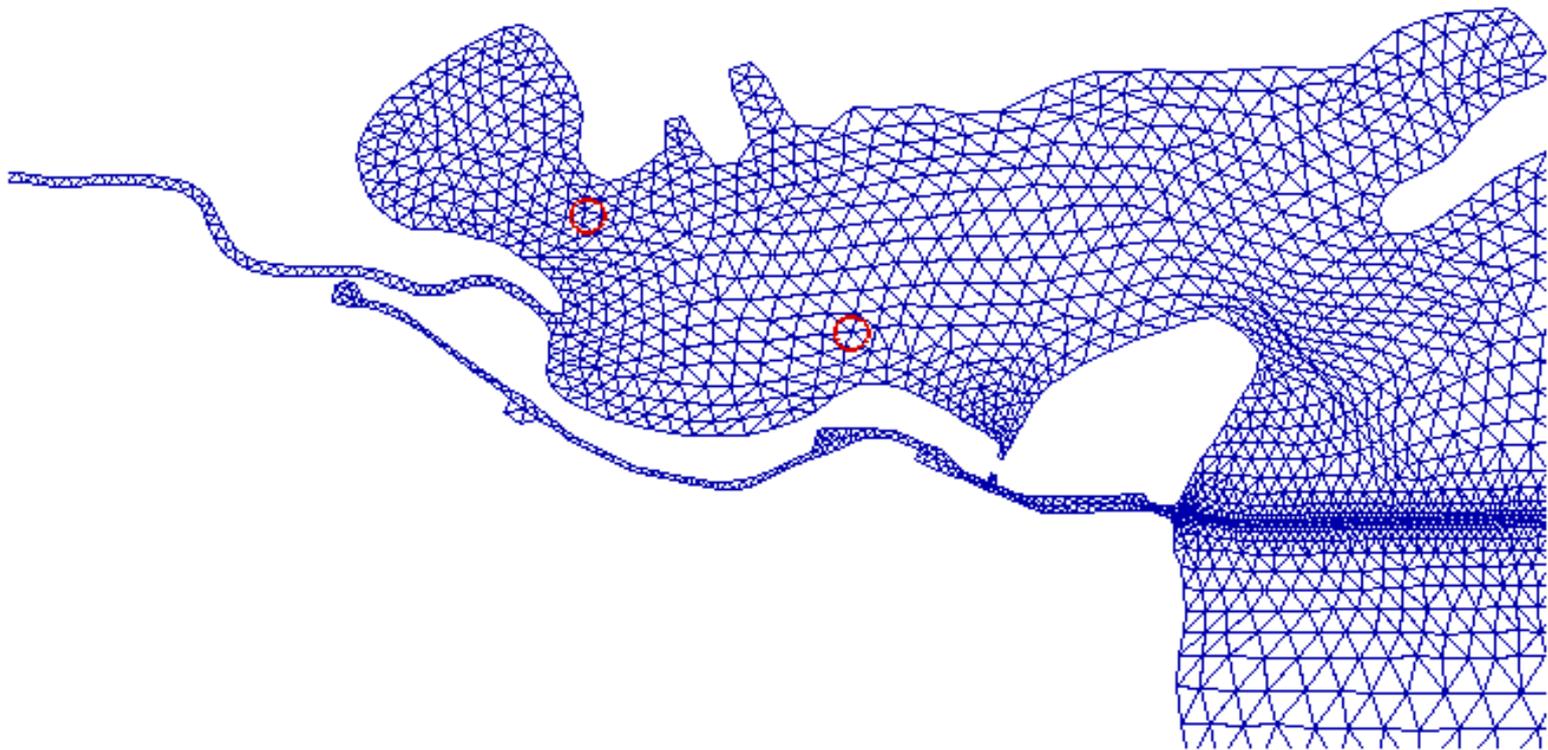
# Model Simulation for Salinity Reduction and Maintenance in Nueces Bay

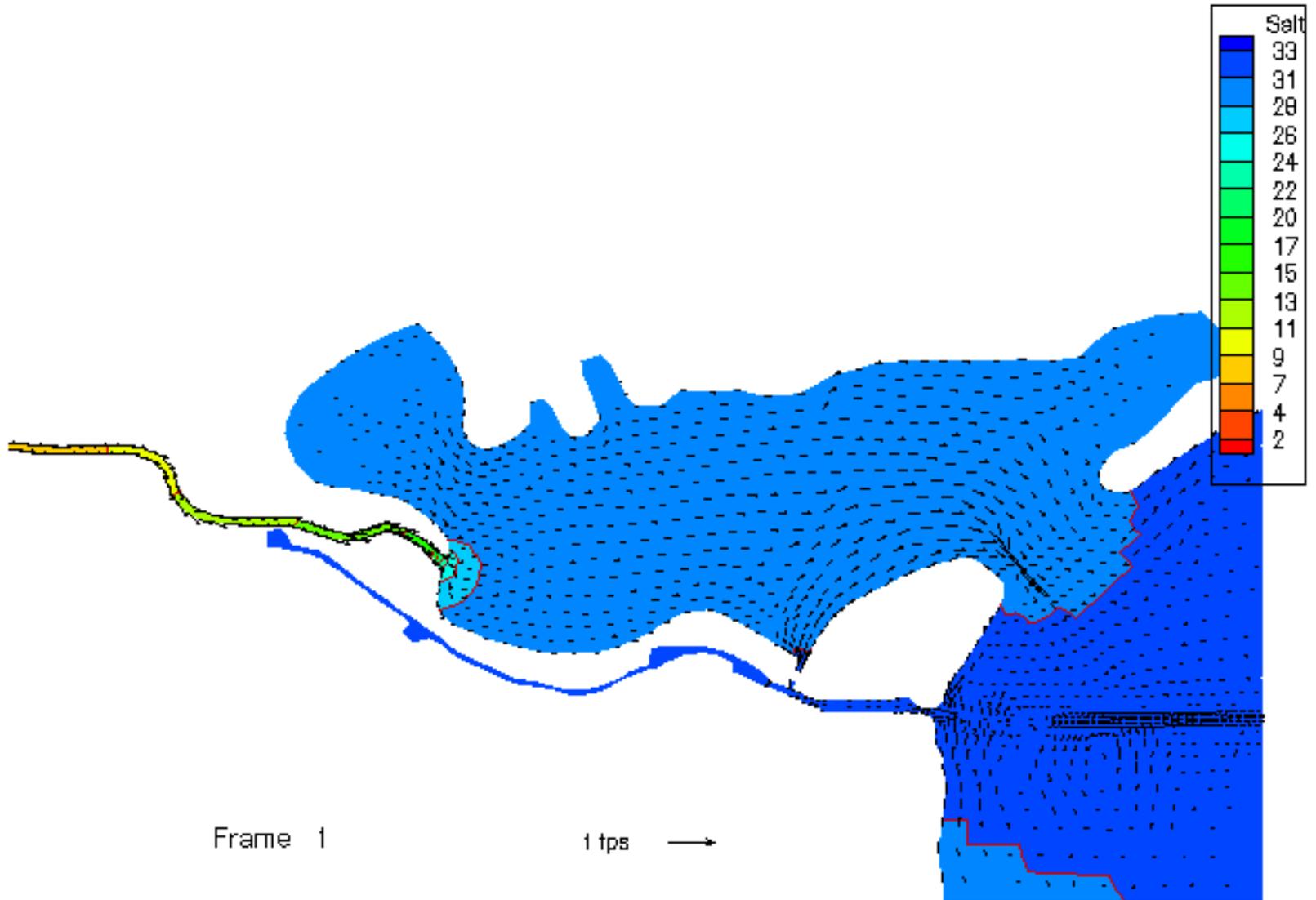


Nueces BBASC model, nn=7,895, ne=13,905

**SALT3**

**SALT1**

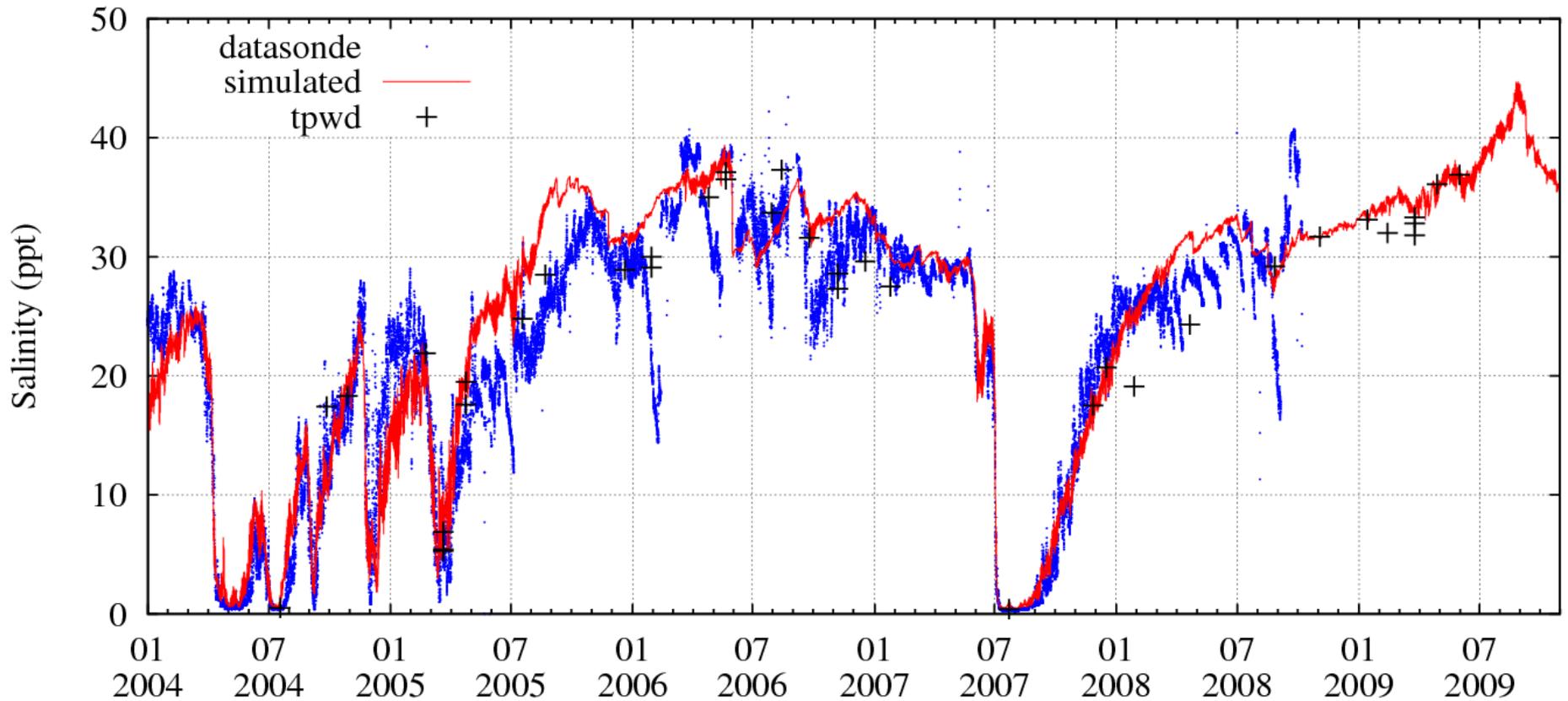




Test: 30-Winter, 8 days: 1/1-1/8/2006, every 2 hour

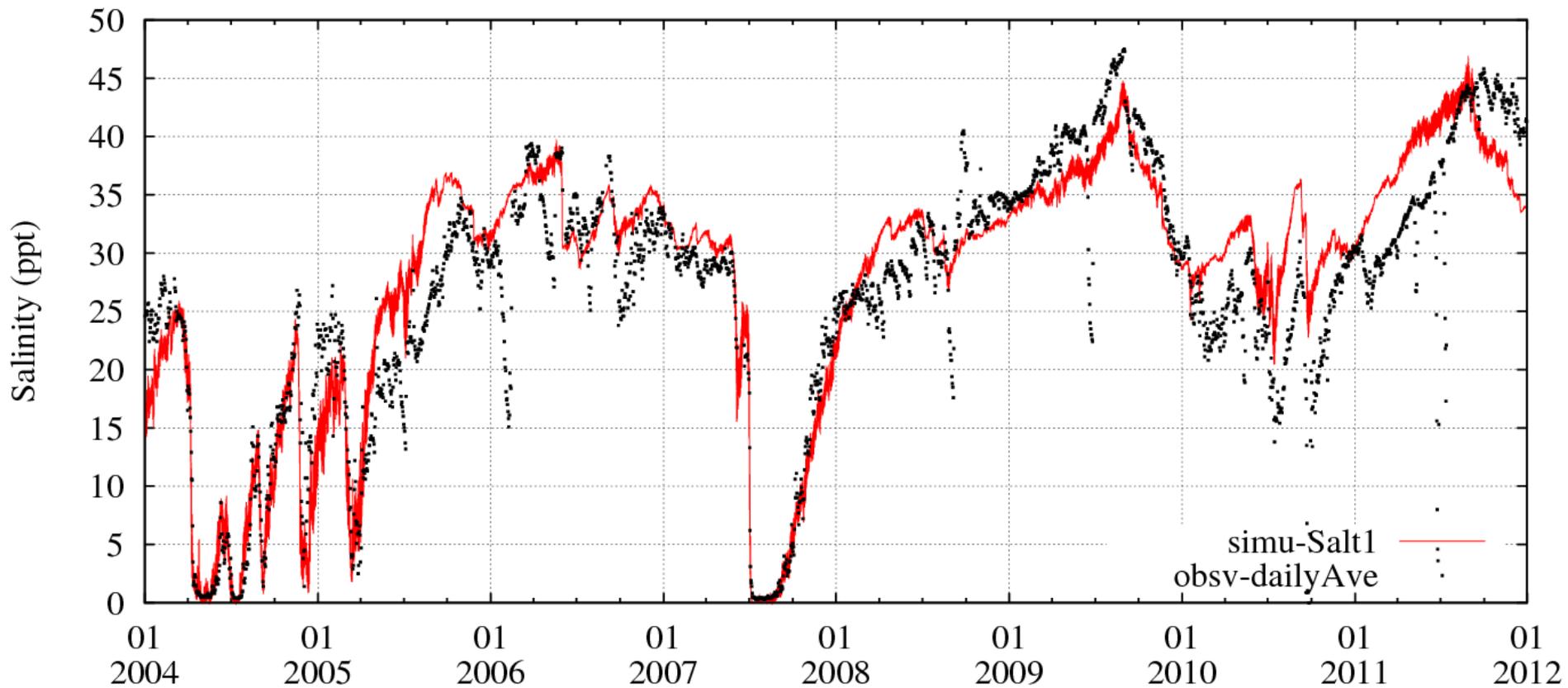
# Corpus Christi Bay Model used for BBEST simulation

## Simulated and Observed Salinity at Nueces Bay



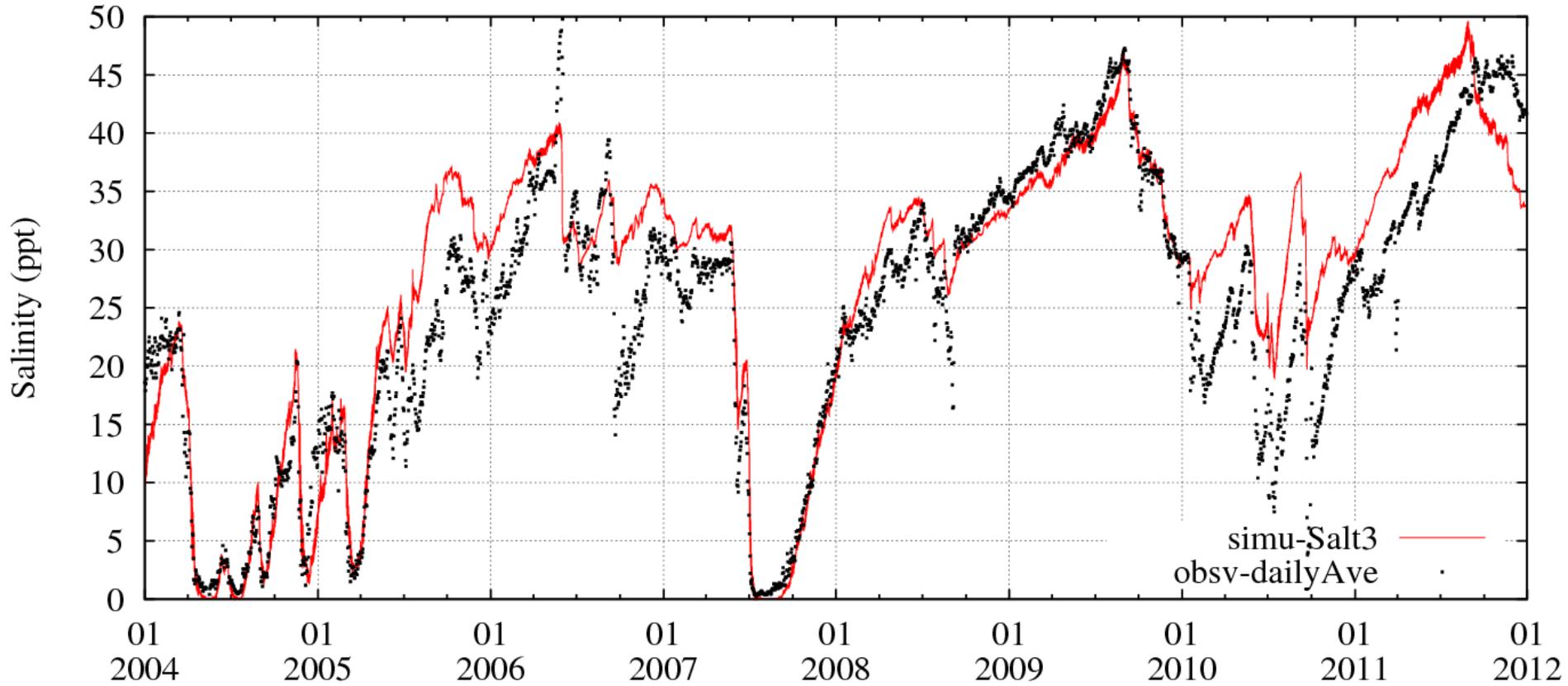
# New Nueces Bay BBASC model simulation

## Simulated and Observed Salinity at SALT1 in Nueces Bay



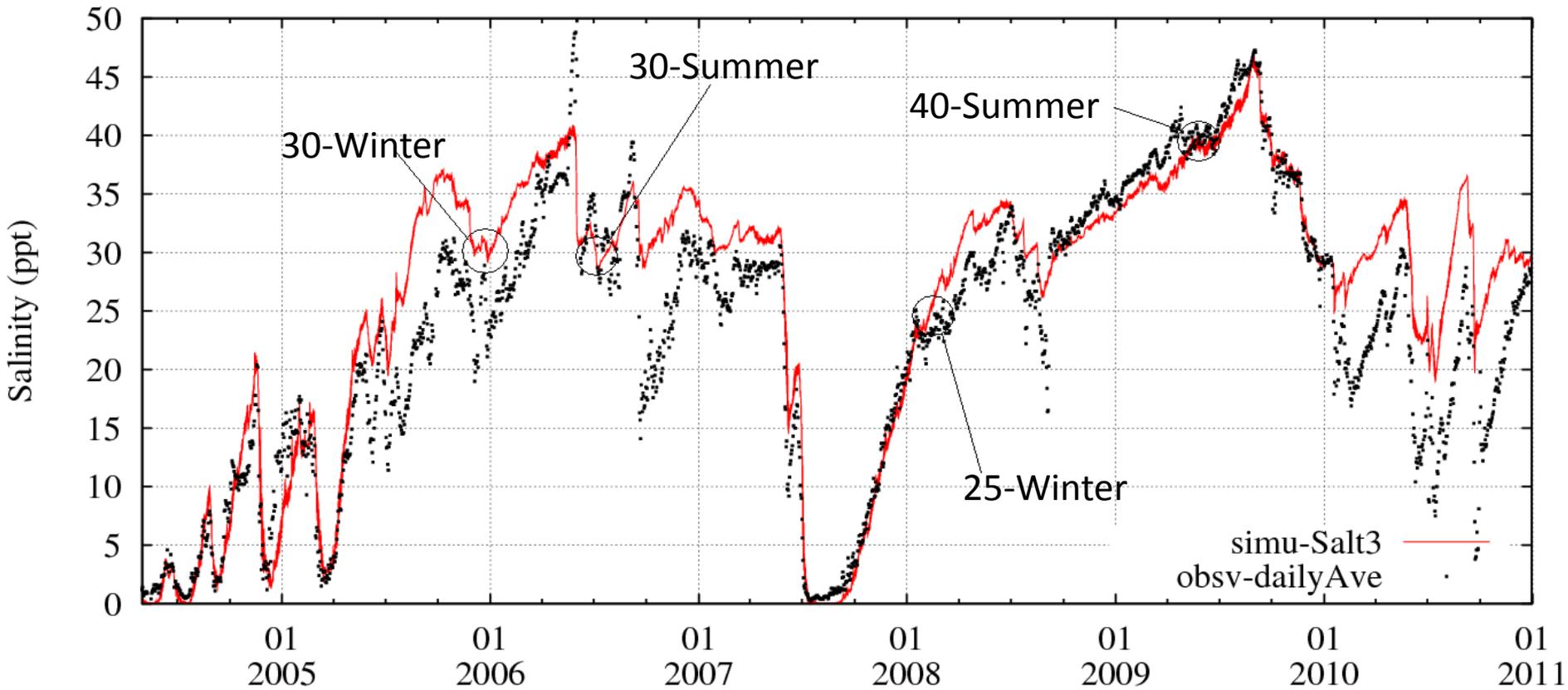
# New Nueces Bay BBASC model simulation

## Simulated and Observed Salinity at SALT3 in Nueces Bay

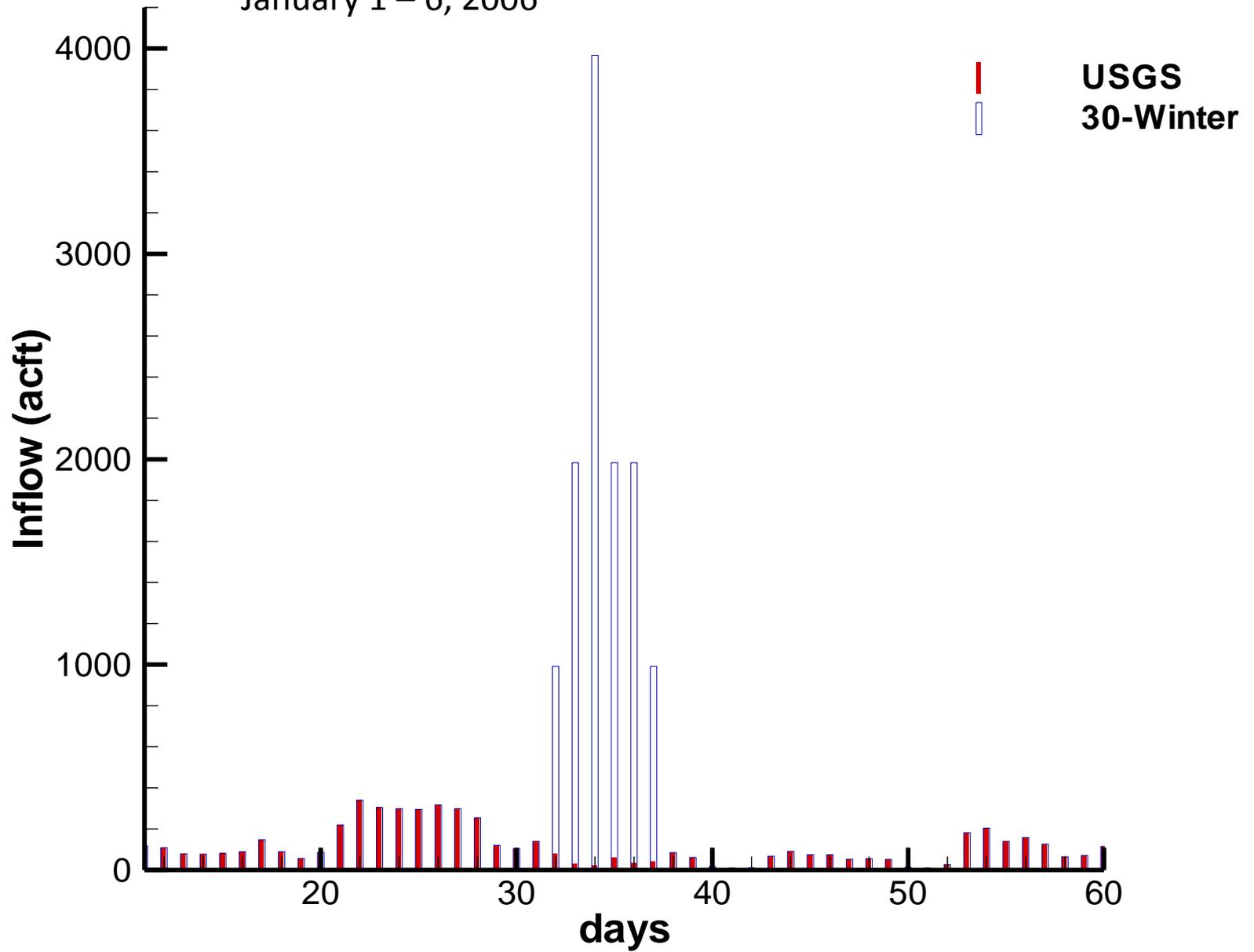


# Test design for TxBLEND experiments

## Simulated and Observed Salinity at SALT3 in Nueces Bay

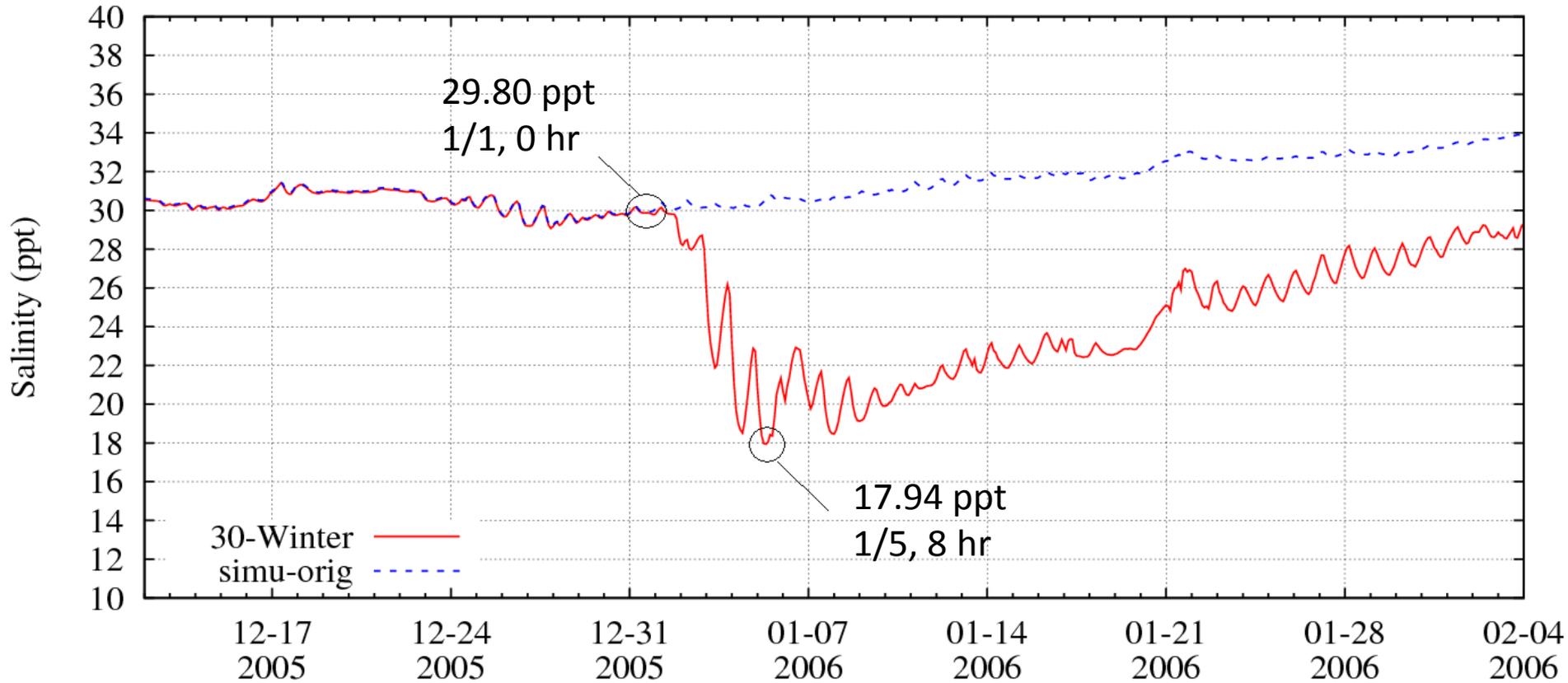


Inflows for Test Case: 30-Winter, 12 kacft released during January 1 – 6, 2006



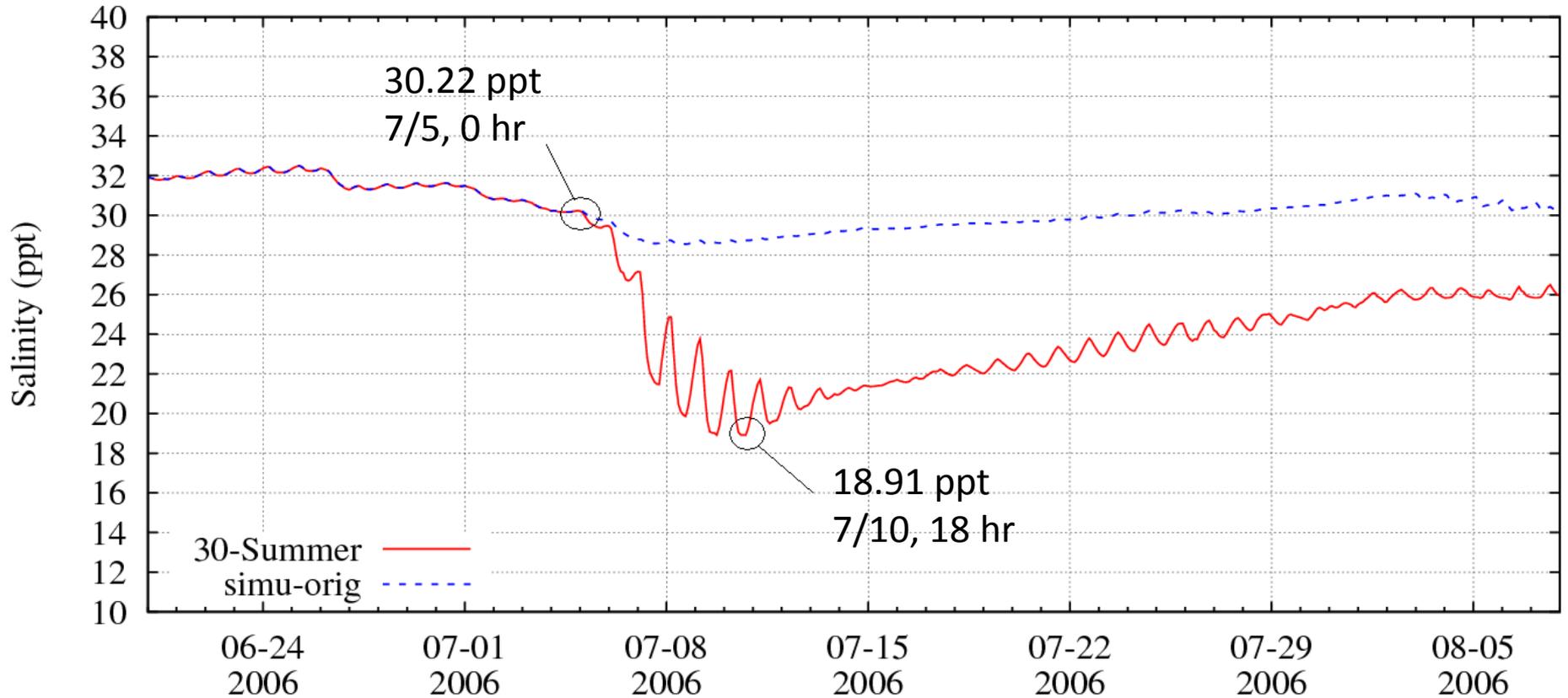
# Test: 30-Winter, 12 kacft released 1/1 – 1/6/2006

## Simulated and Observed Salinity at SALT3 in Nueces Bay



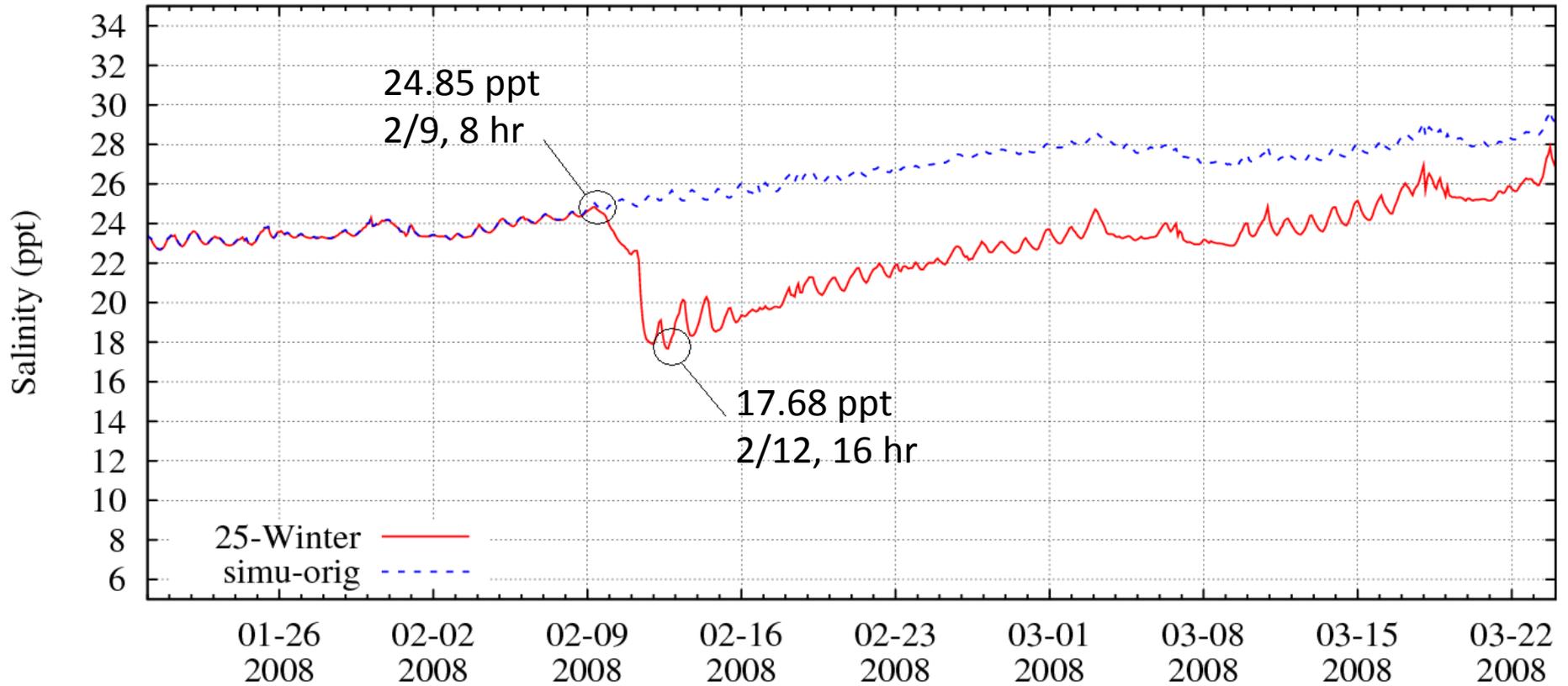
# Test: 30-Summer, 12 kacft released 7/5 – 7/10/2006

## Simulated and Observed Salinity at SALT3 in Nueces Bay



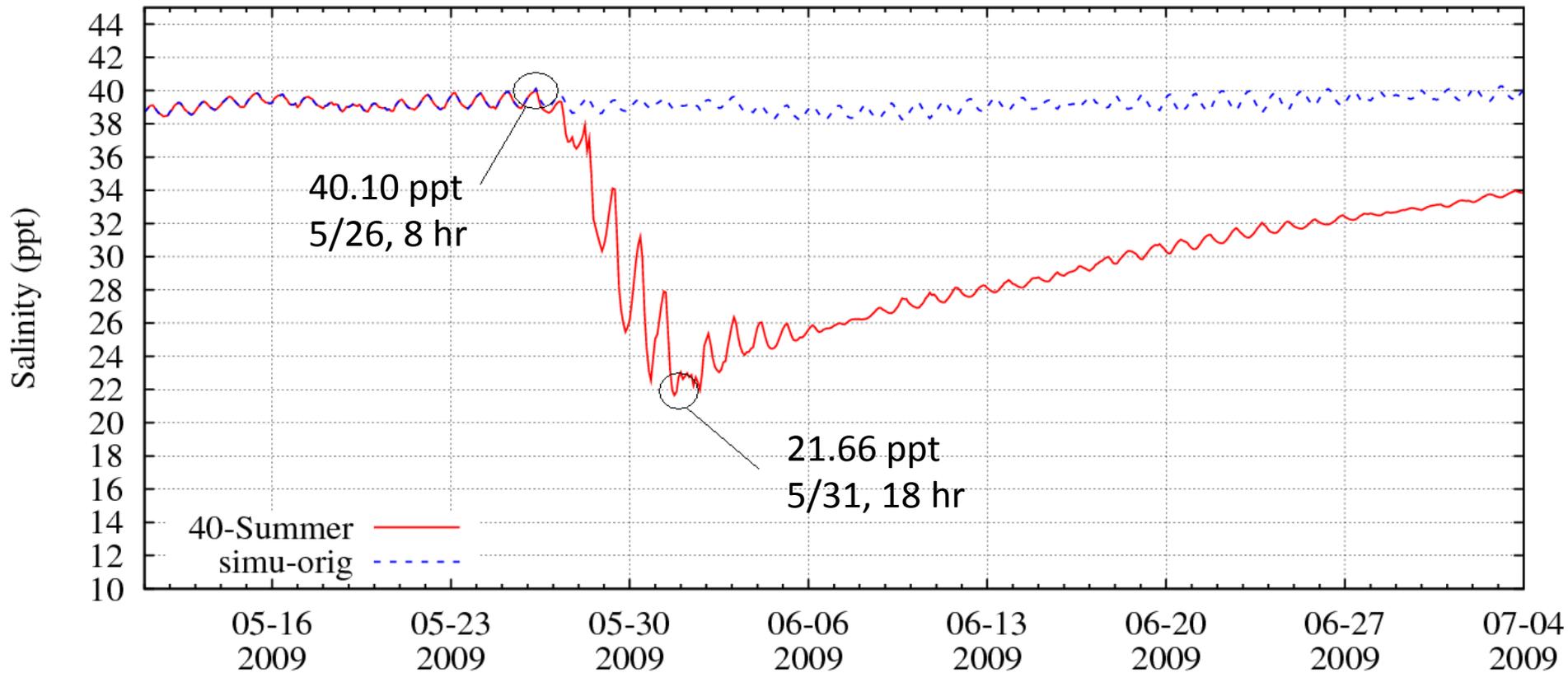
# Test: 25-Winter, 10 kacft released 2/9 – 2/13/2008

## Simulated and Observed Salinity at SALT3 in Nueces Bay



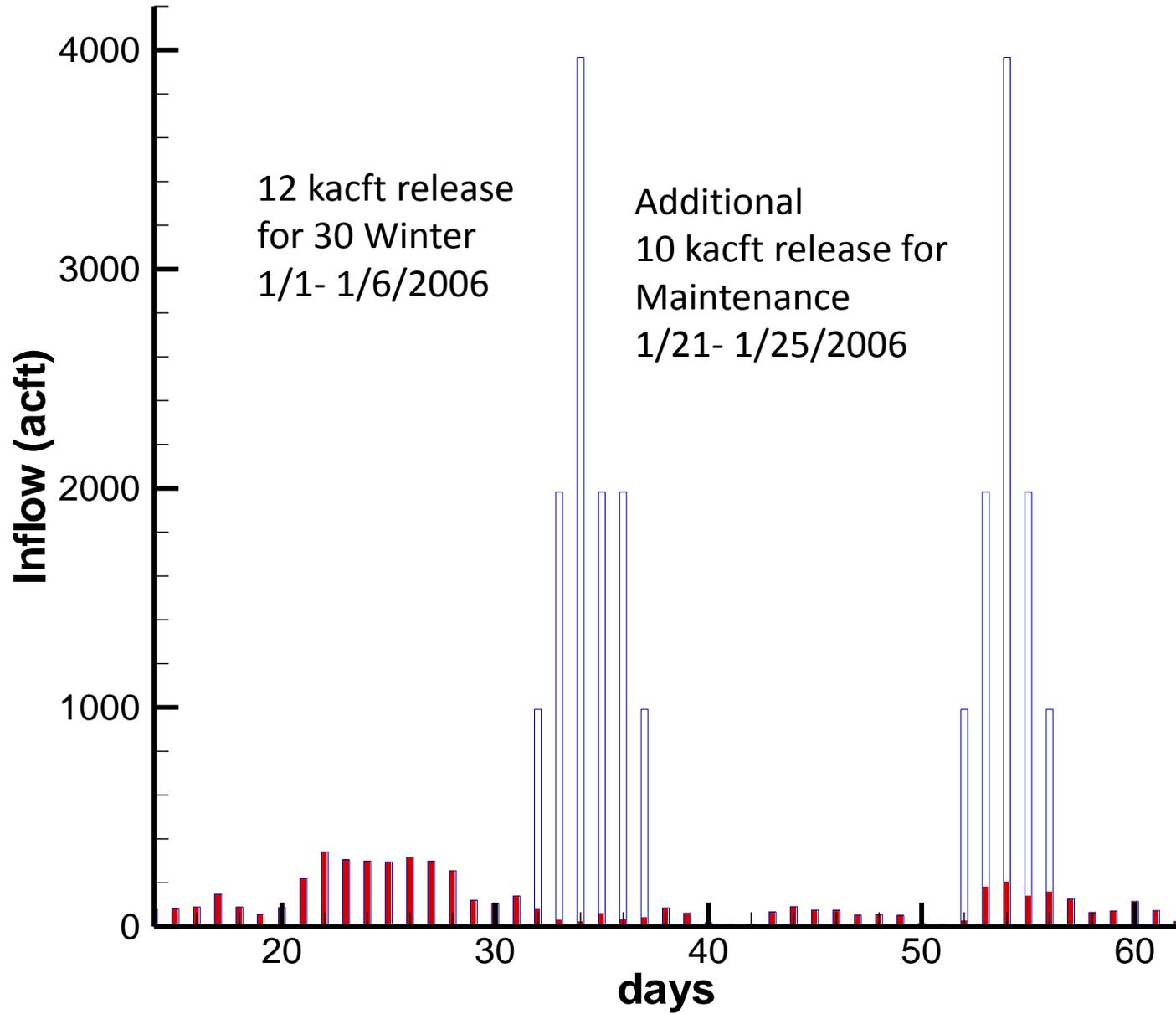
# Test: 40-Summer, 18 kacft released 5/26 – 6/1/2009

## Simulated and Observed Salinity at SALT3 in Nueces Bay



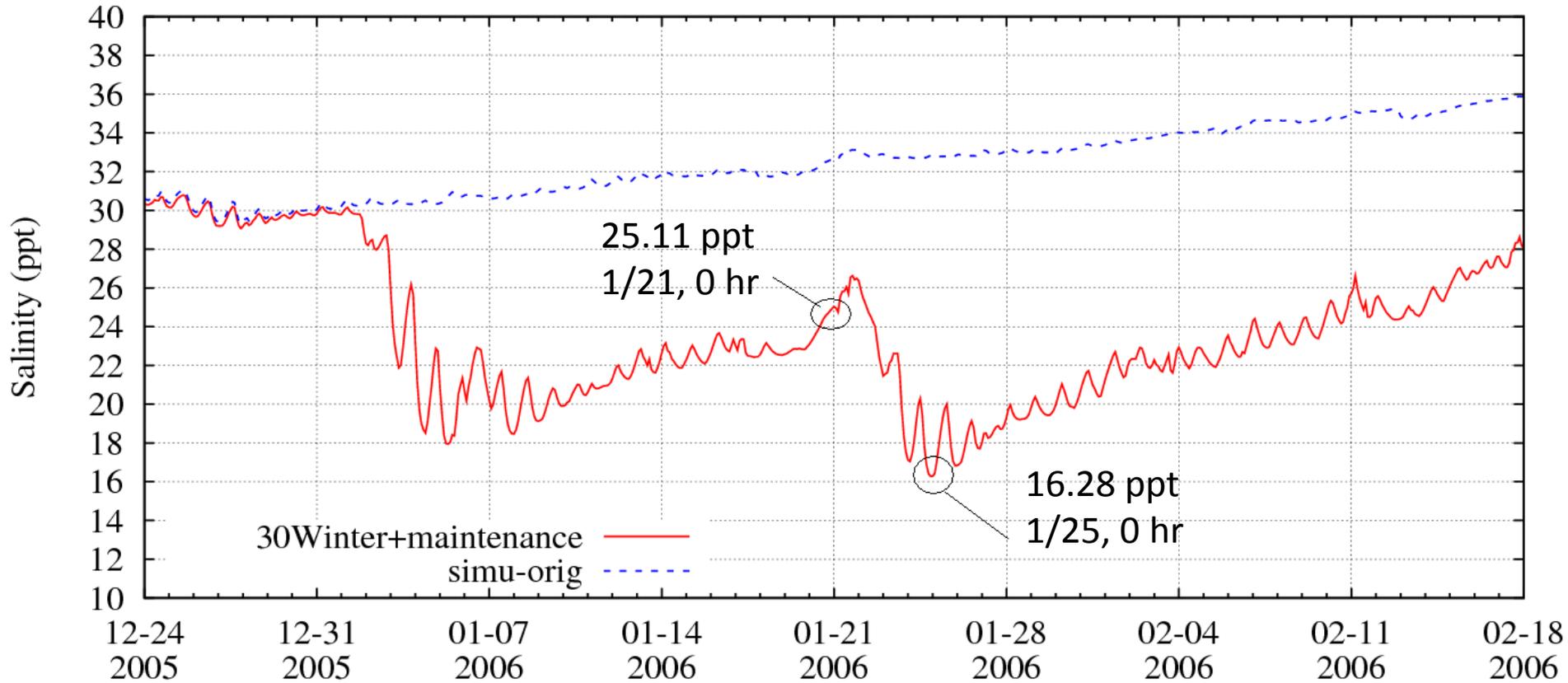
Test: 30 Winter and Maintenance

USGS  
30Winter+M



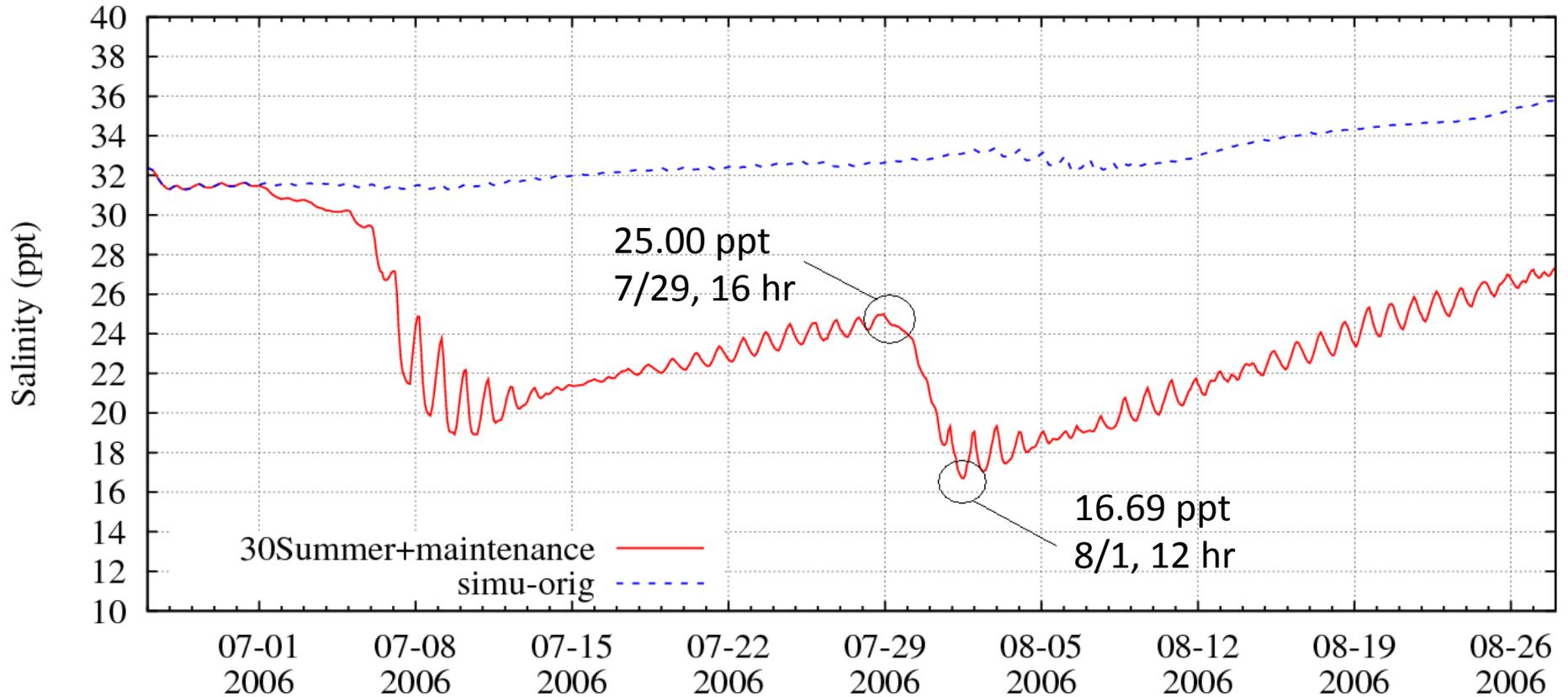
# Test: 30-Winter and Maintenance, 10 kacft released 1/21 – 1/25/2006

## Simulated and Observed Salinity at SALT3 in Nueces Bay



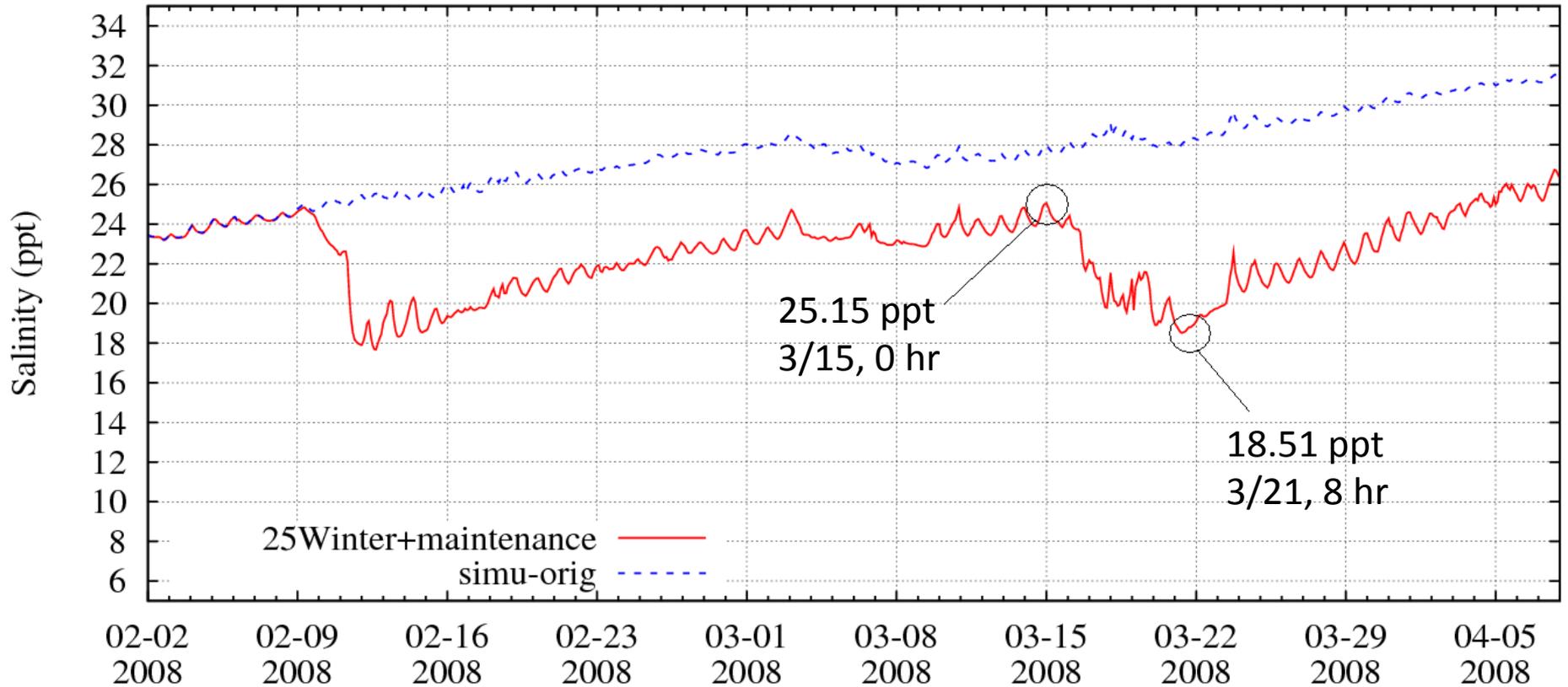
# Test: 30-Summer and Maintenance, 10 kacft released 7/29 – 8/2/2006

## Simulated and Observed Salinity at SALT3 in Nueces Bay



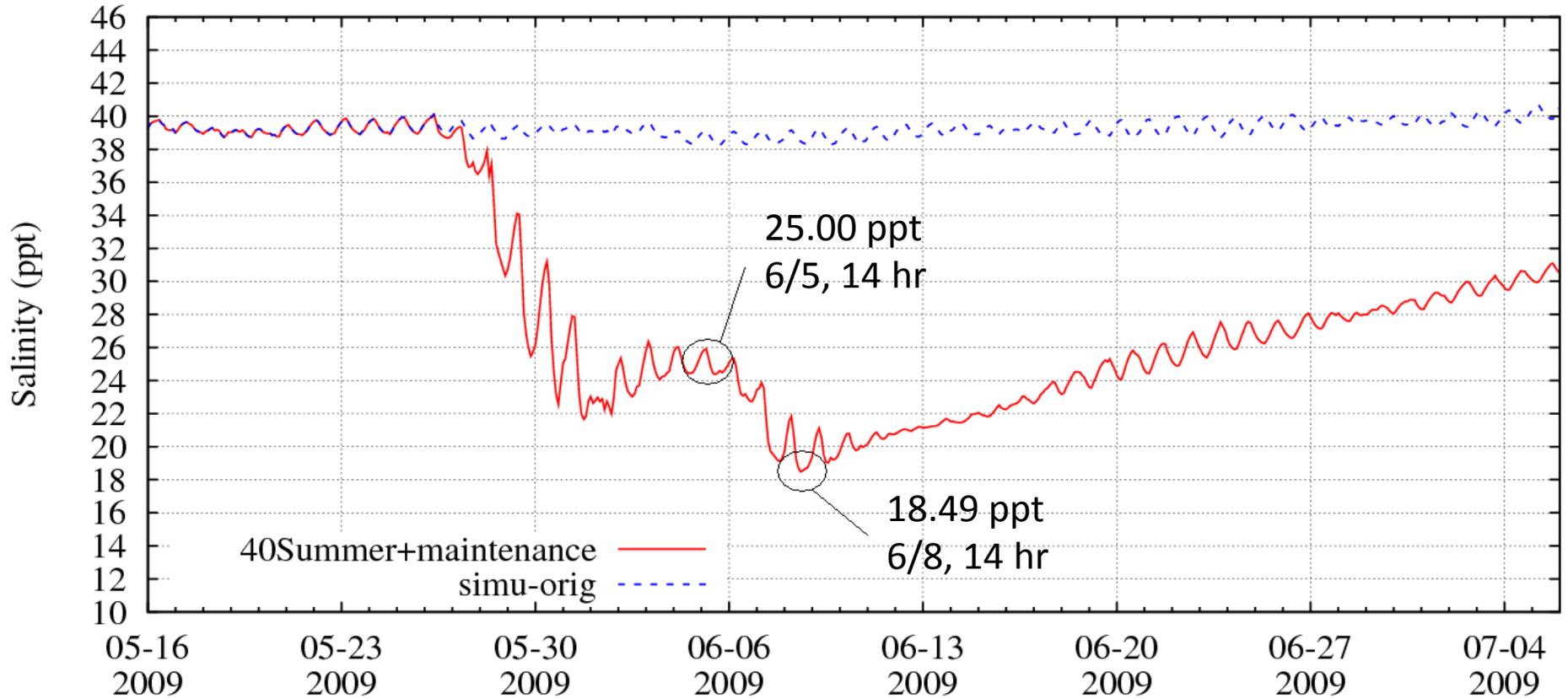
# Test: 25-Winter and Maintenance, 10 kacft released 3/15 – 3/19/2008

## Simulated and Observed Salinity at SALT3 in Nueces Bay



# Test: 40-Summer and Maintenance, 10 kacft released 6/5 – 6/9/2009

## Simulated and Observed Salinity at SALT3 in Nueces Bay



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Test case	inflow (acft)	salinity at start	salinity lowest	reduction (ppt)	reduction rate (ppt/1000acft)
30-Winter	12,000	29.80	17.94	11.86	0.99
30-Summer	12,000	30.22	18.91	11.31	0.94
25-Winter	10,000	24.85	17.68	7.17	0.72
40-Summer	18,000	40.10	21.66	18.44	1.02
30Winter+Maintenance	10,000	25.11	16.28	8.83	0.88
30Summer+Maintenance	10,000	25.00	16.69	8.31	0.83
25Winter+Maintenance	10,000	25.15	18.51	6.64	0.66
40Summer+Maintenance	10,000	25.00	18.49	6.51	0.65