# Appendix L
# Yearlong Time Series

# Appendix L. Yearlong Time Series

Yearlong Aanderaa current meter moorings were maintained at reference sites in the Main Basin, Possession Sound and Admiralty Inlet. Figures 1 through 13 show yearlong time series of currents, temperature, salinity, and density. Temporal variations of salinity and temperature (hence density) in the Main Basin and Possession Sound generally reflect those of the inflowing water from Admiralty Inlet. Figures 14-17 show river flow from the Skagit River and currents for the Main Basin superimposed on winds from Paine Field, the coastal upwelling index, and Snohomish River discharge.

Figure L-1. Yearlong density: Main Basin
Figure L-2. Yearlong currents: Possession Sound
Figure L-3. Yearlong temperatures: Possession Sound
Figure L-4. Yearlong salinities: Possession Sound
Figure L-5. Yearlong salinities: Possession Sound, 2 m
Figure L-6. Yearlong densities: Possession Sound
Figure L-7. Yearlong currents: Admiralty Inlet
Figure L-8. Yearlong temperatures: Admiralty Inlet
Figure L-9. Yearlong salinities: Admiralty Inlet
Figure L-10. Yearlong densities: Admiralty Inlet
Figure L-11. Yearlong composite: salinity, upwelling, river discharge
Figure L-12. Yearlong composite: regional salinity
Figure L-13. Yearlong composite: regional temperature
Figure L-14. Skagit River discharge
Figure L-15. Currents and winds
Figure L-16. Currents and upwelling index
Figure L-17. Extended time series of currents and river discharge

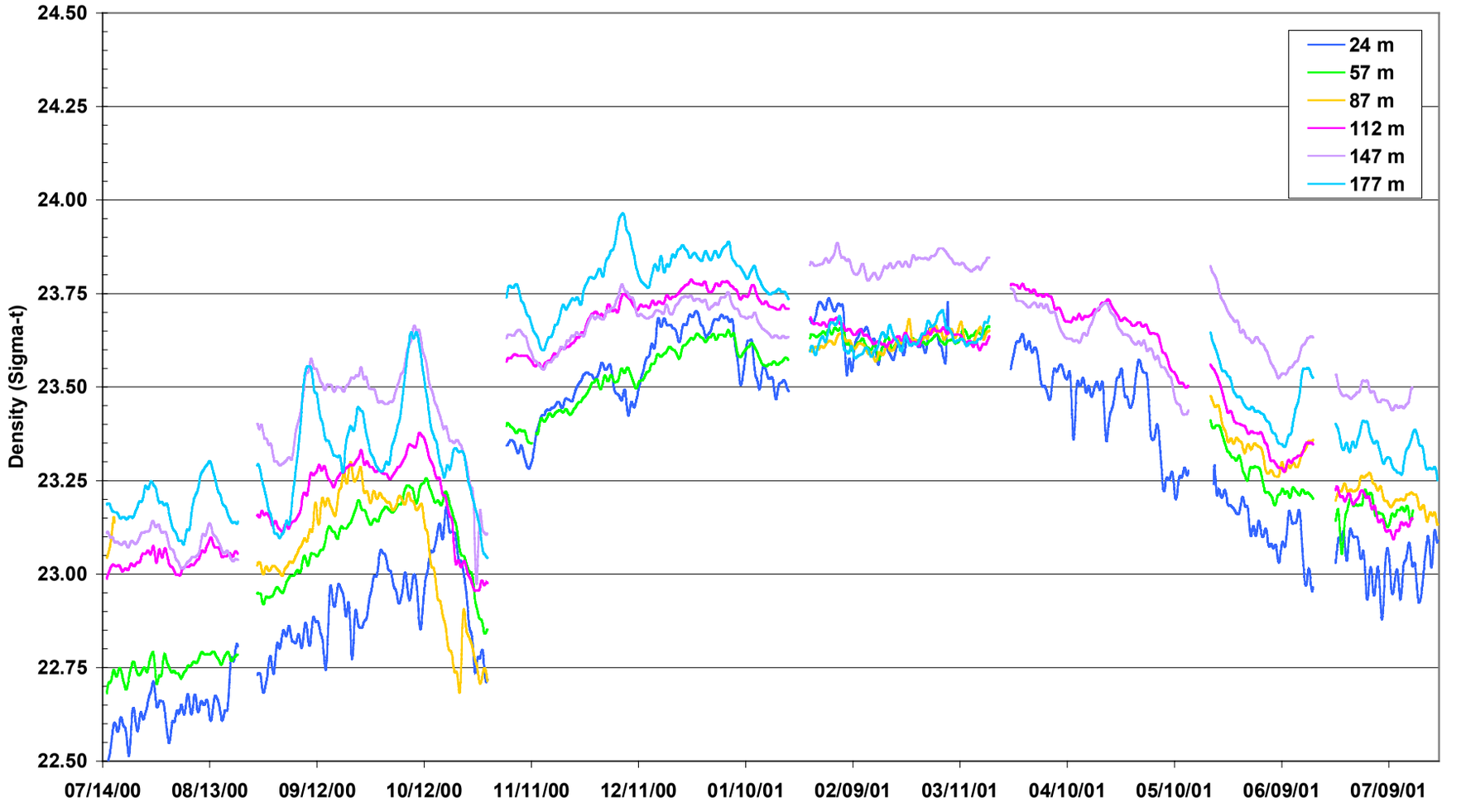


**Figure L-1. Yearlong density: Main Basin**

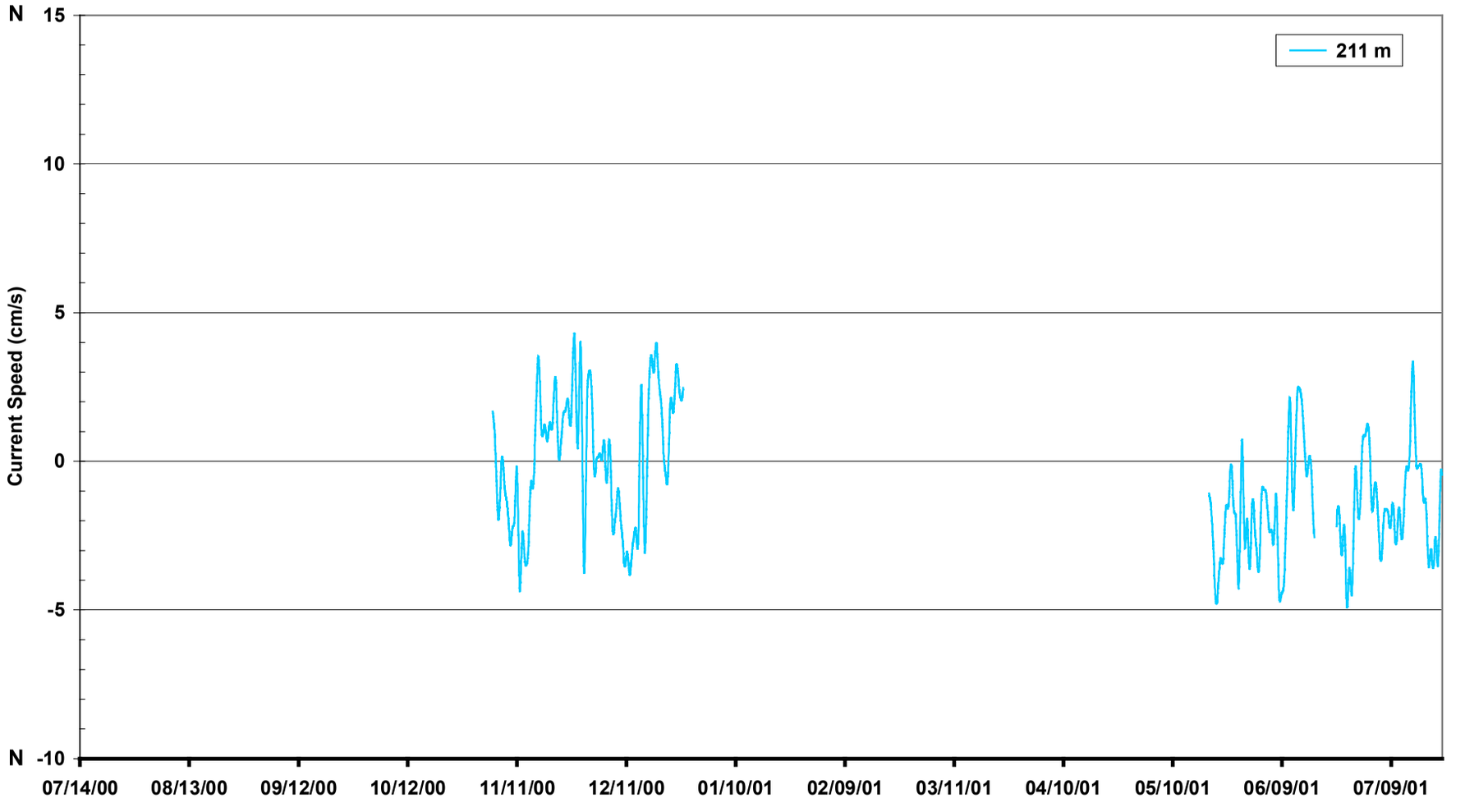


**Figure L-2. Yearlong currents: Possession Sound**

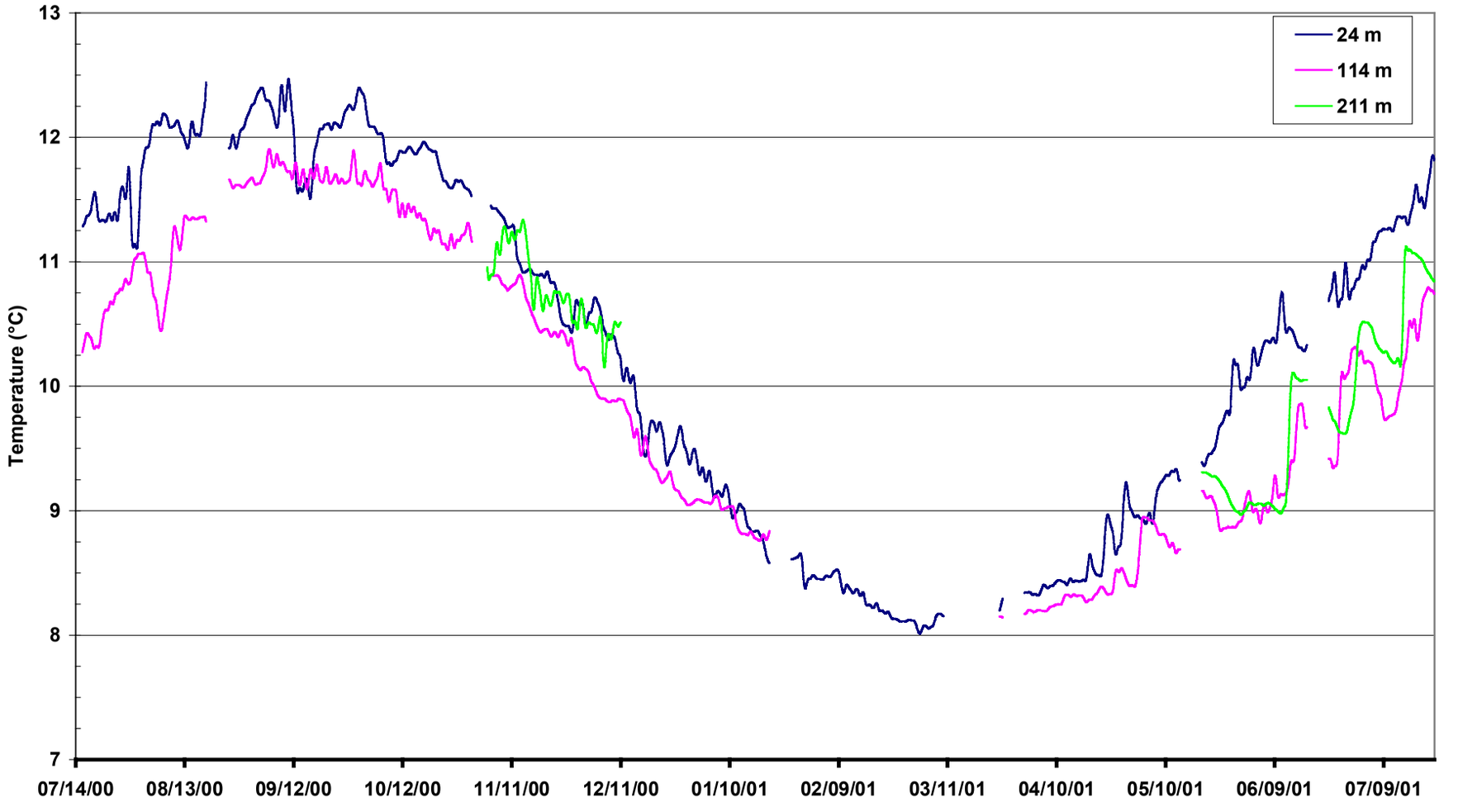


**Figure L-3. Yearlong temperatures: Possession Sound**

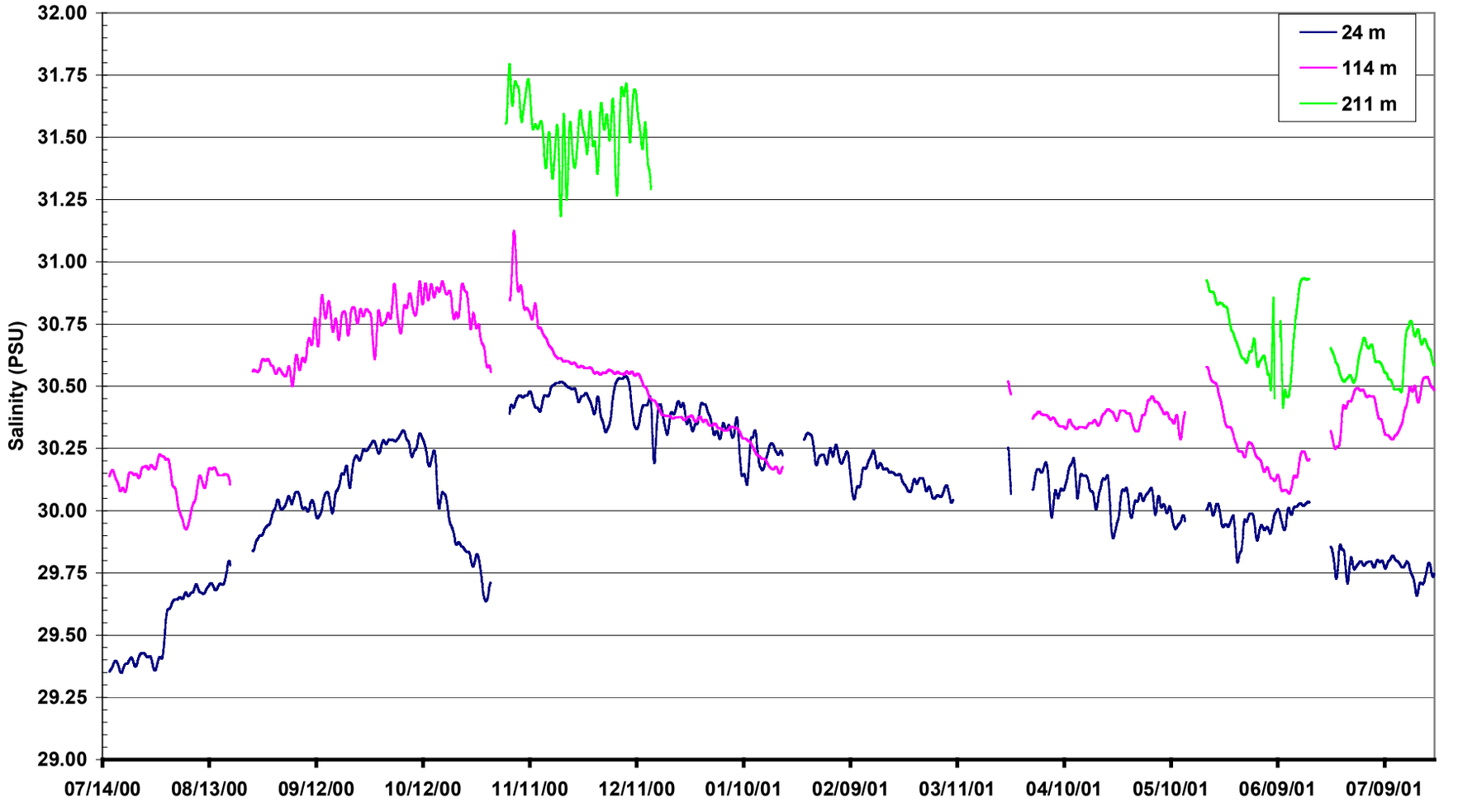


**Figure L-4. Yearlong salinities: Possession Sound**

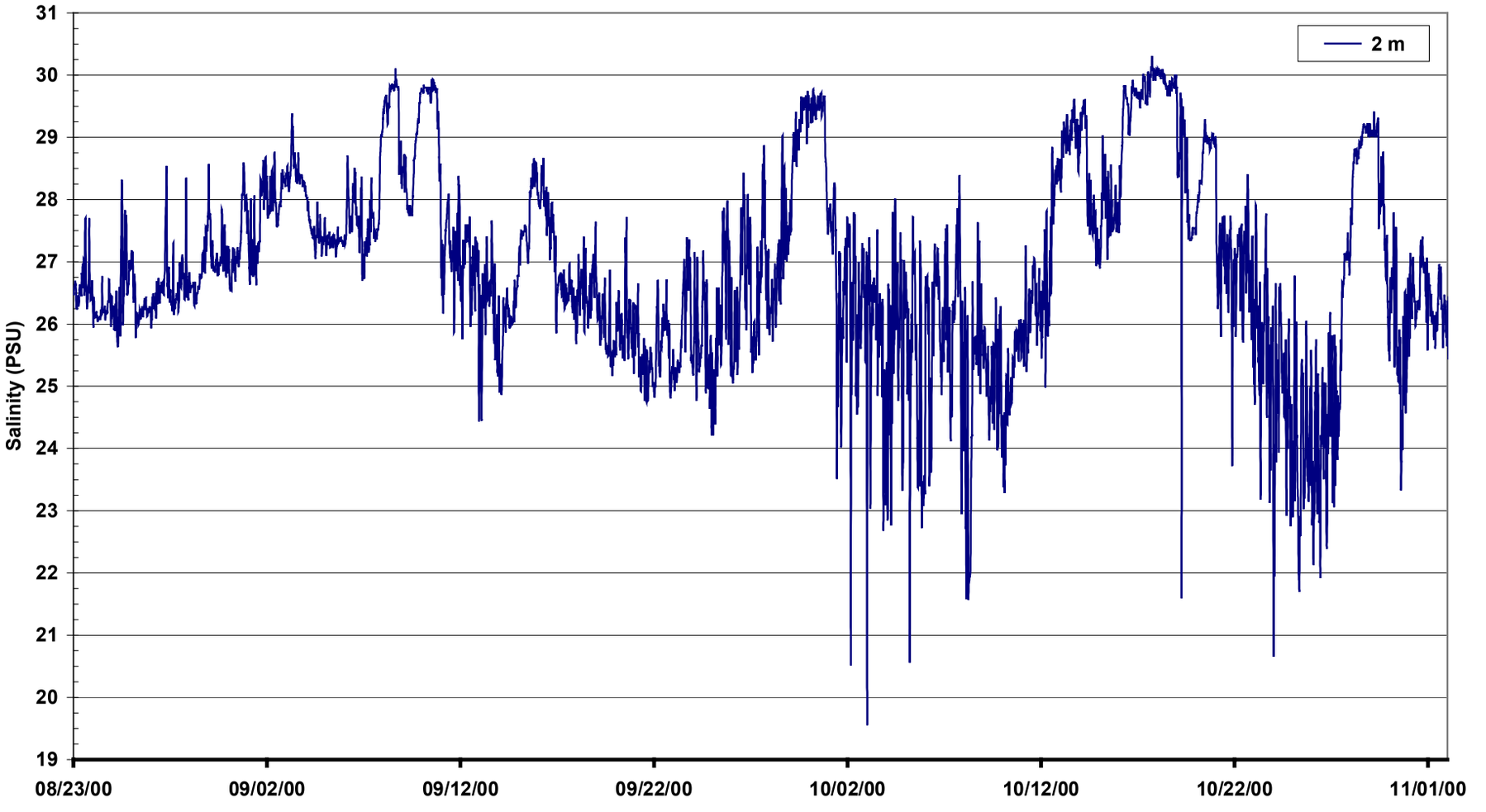


**Figure L-5. Yearlong salinities: Possession Sound, 2 m**

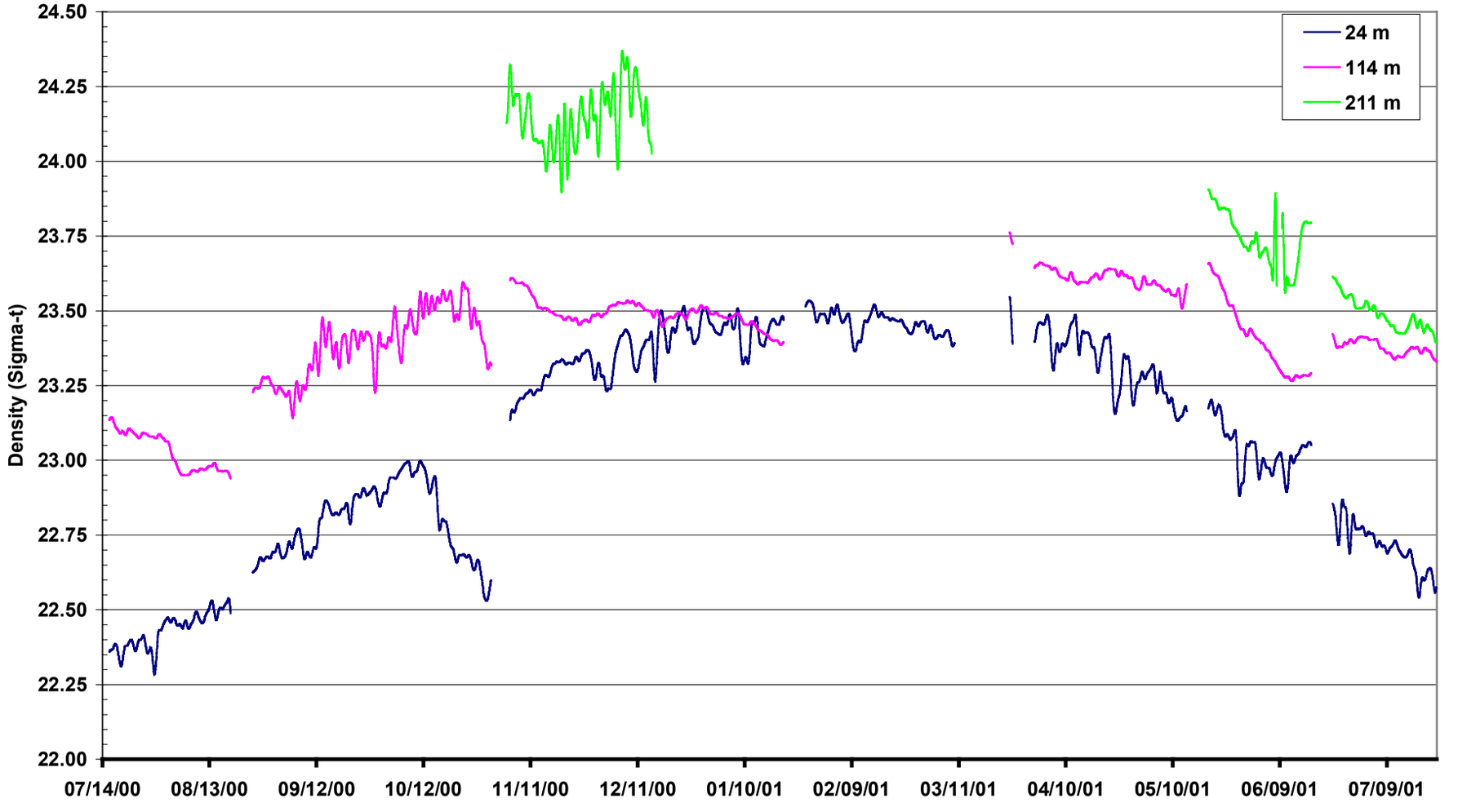


**Figure L-6. Yearlong densities: Possession Sound**

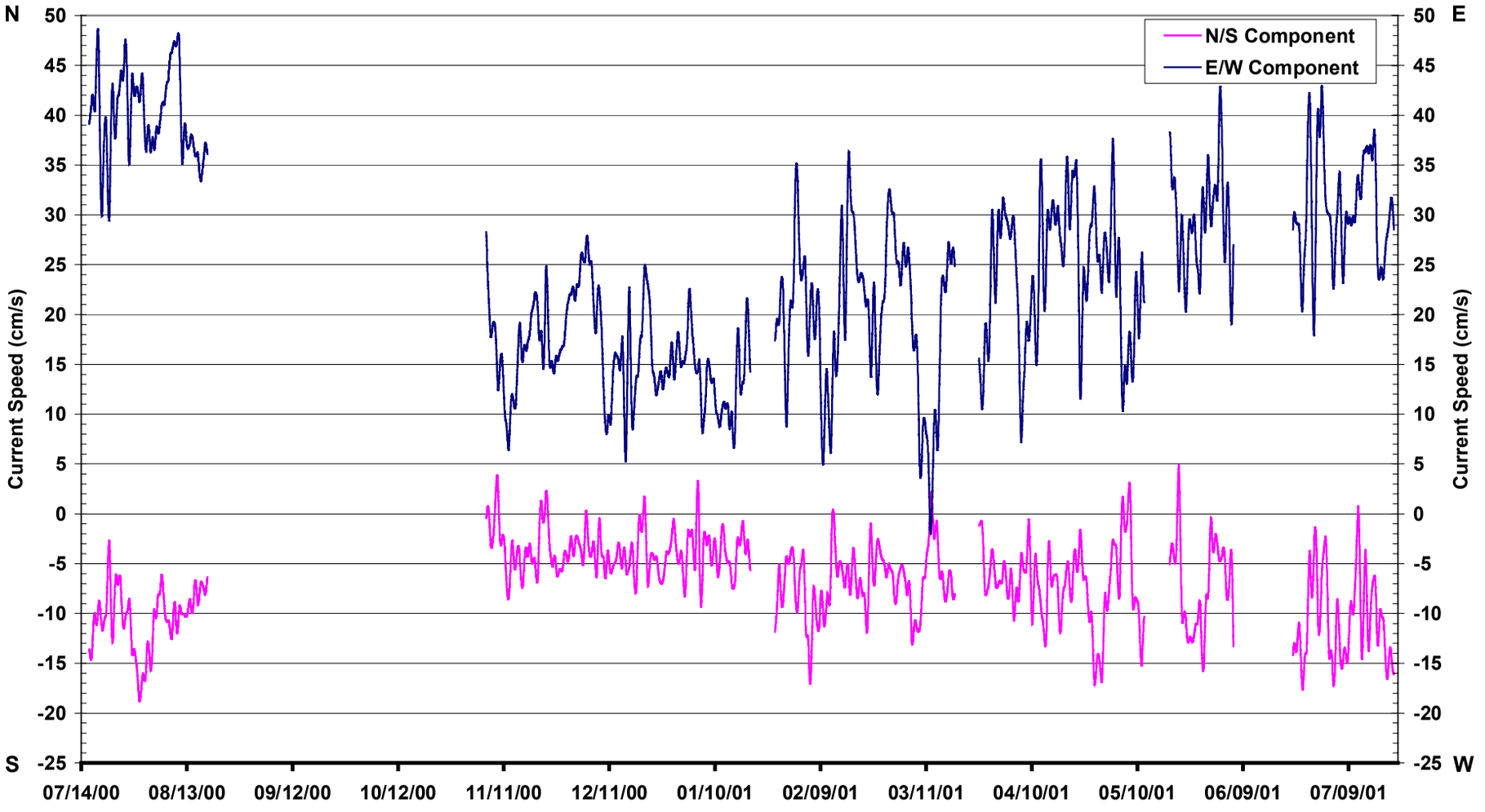


**Figure L-7. Yearlong currents: Admiralty Inlet**

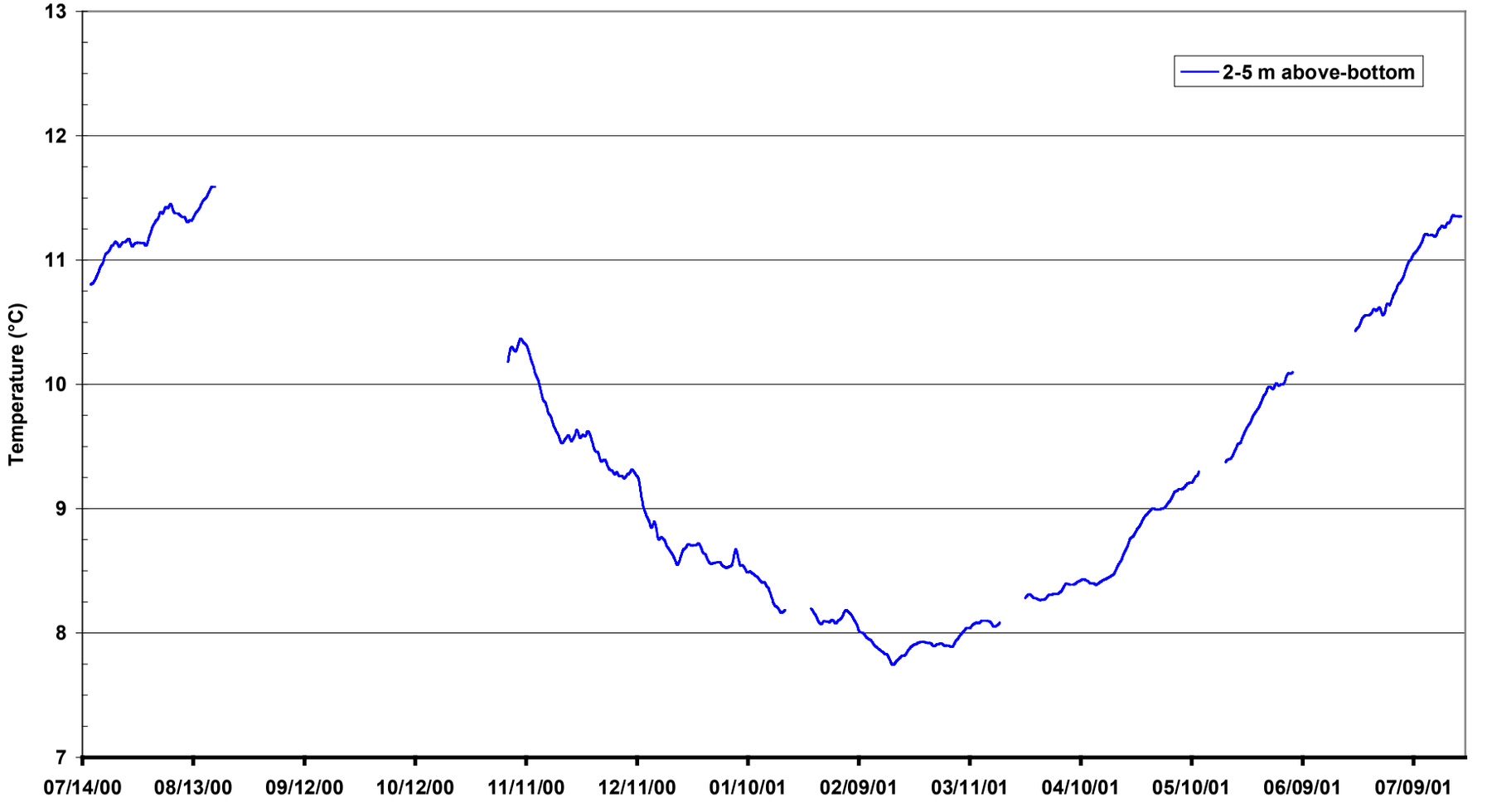


**Figure L-8. Yearlong temperatures: Admiralty Inlet**

**Figure L-9. Yearlong salinities: Admiralty Inlet**

**Figure L-10. Yearlong densities: Admiralty Inlet**

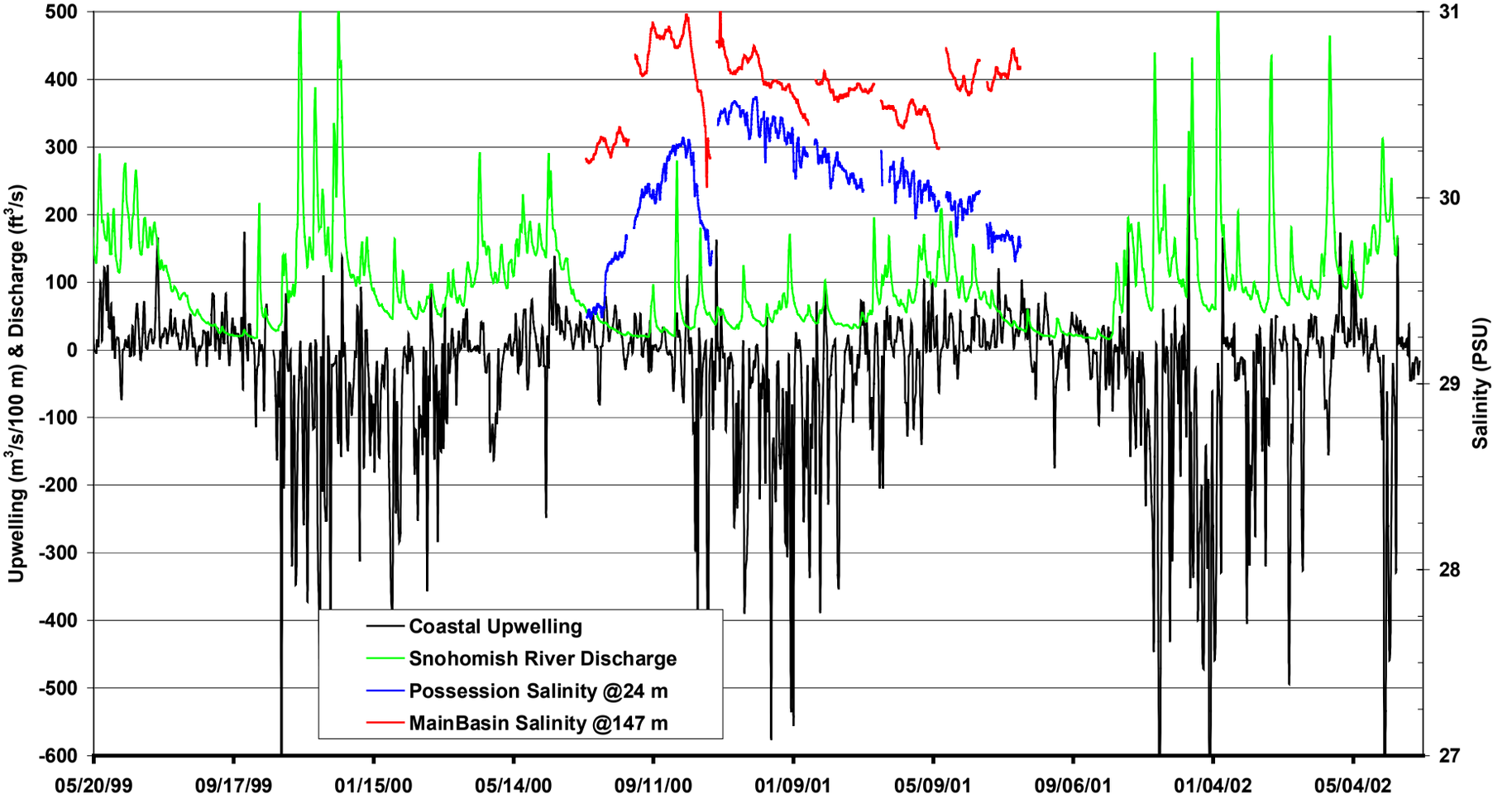


**Figure L-11. Yearlong composite: salinity, upwelling, river discharge**

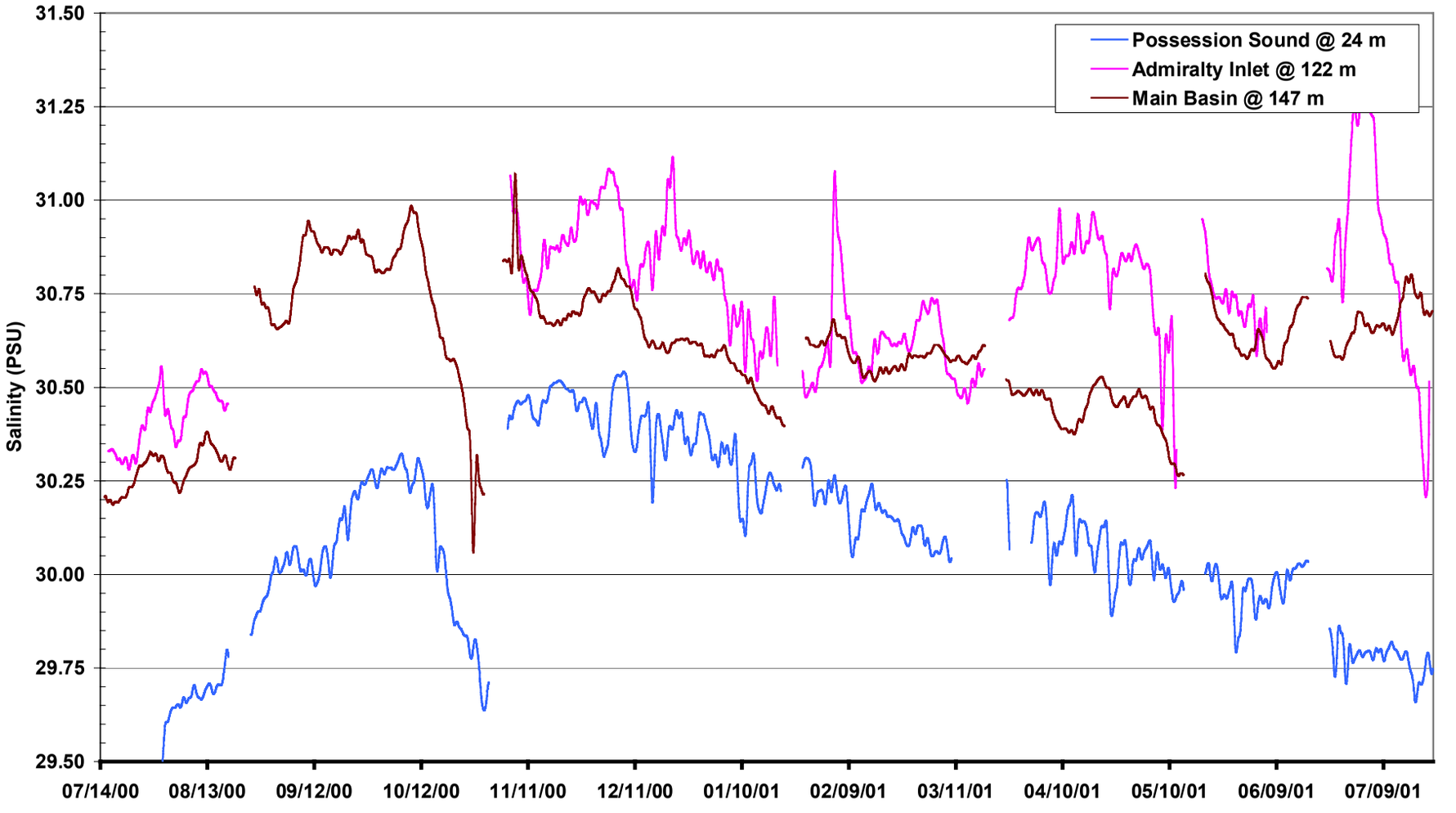


**Figure L-12. Yearlong composite: regional salinity**

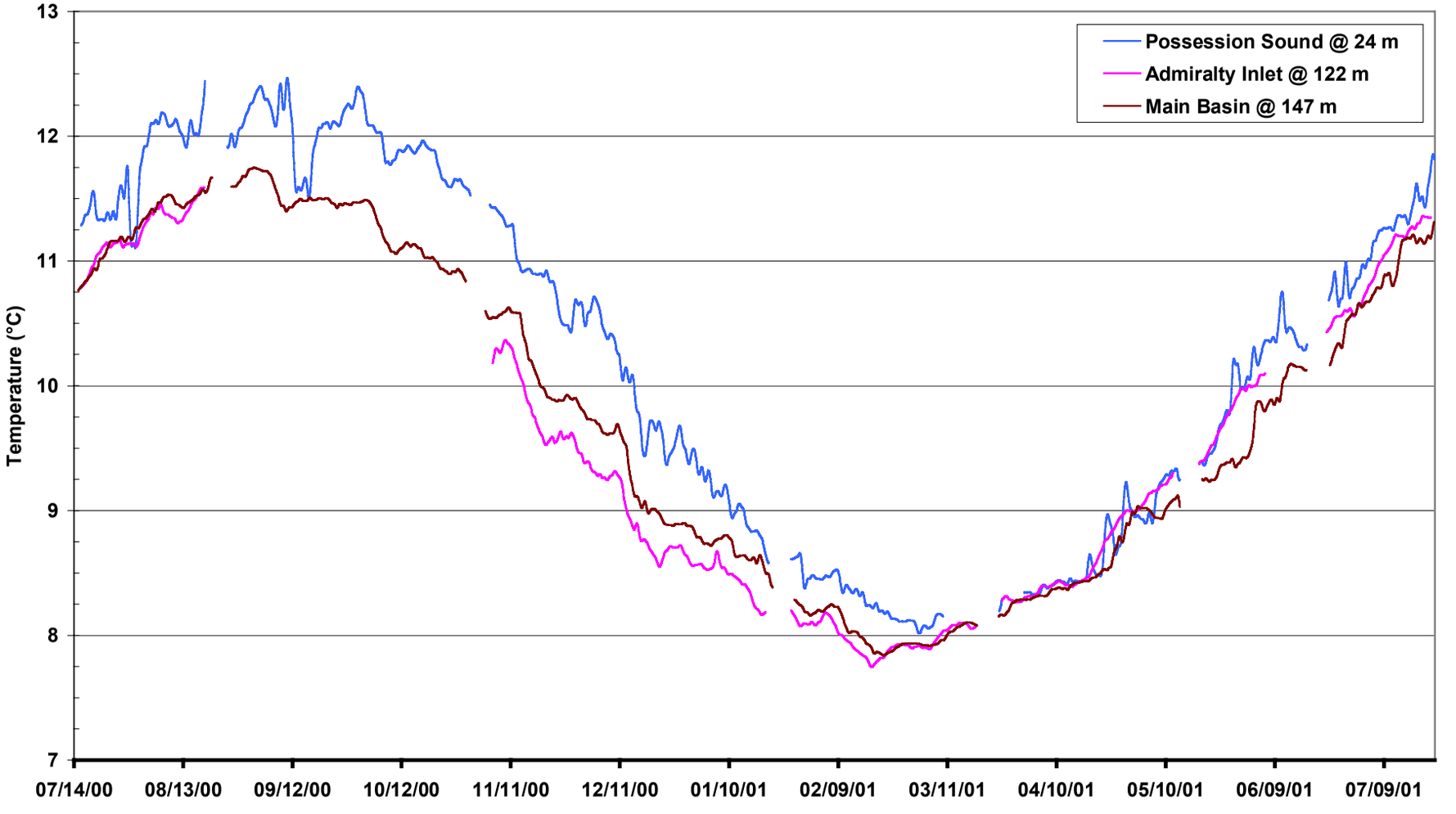


**Figure L-13. Yearlong composite: regional temperature**

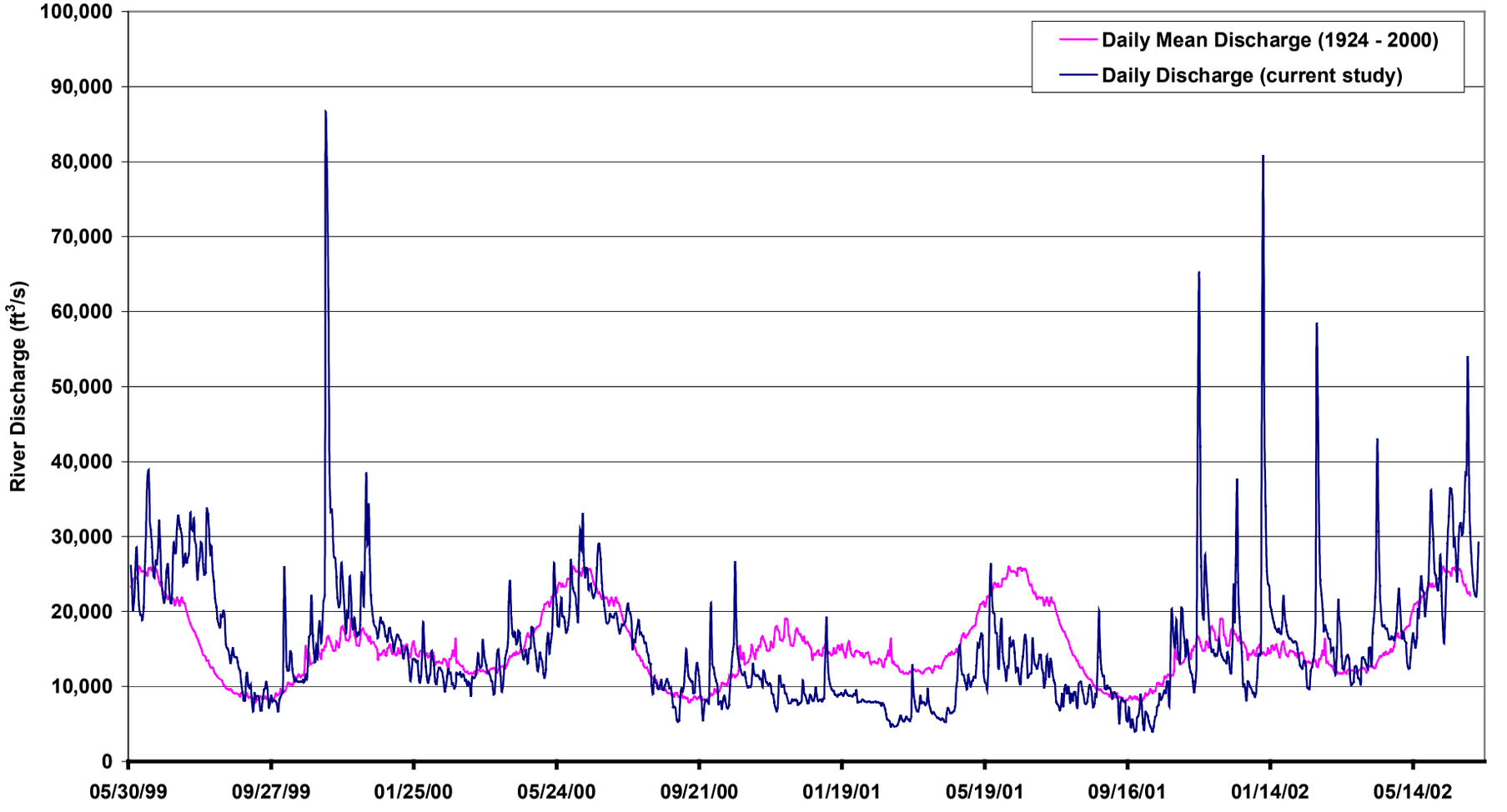


**Figure L-14. Skagit River discharge**

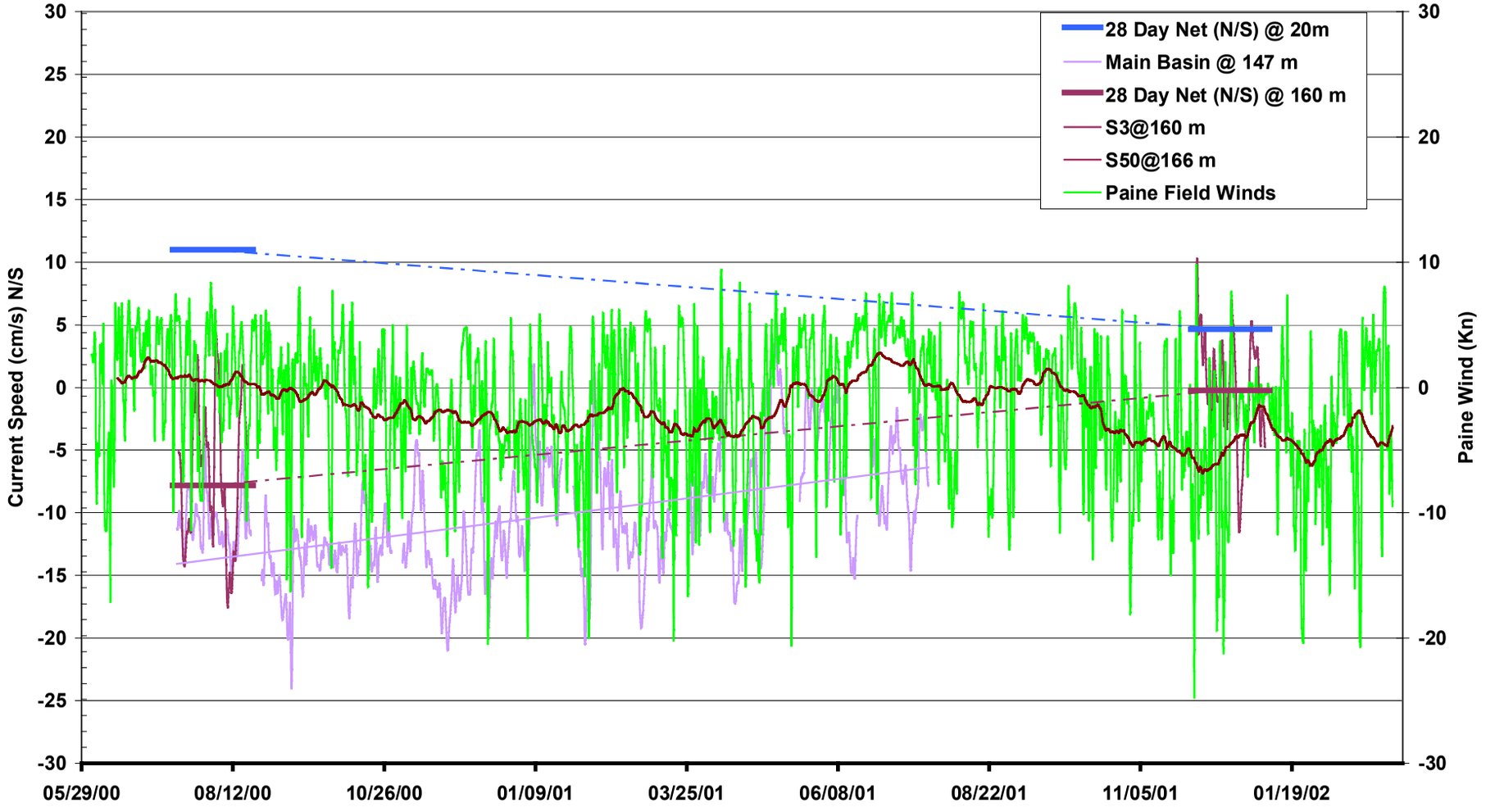


**Figure L-15. Currents and winds**

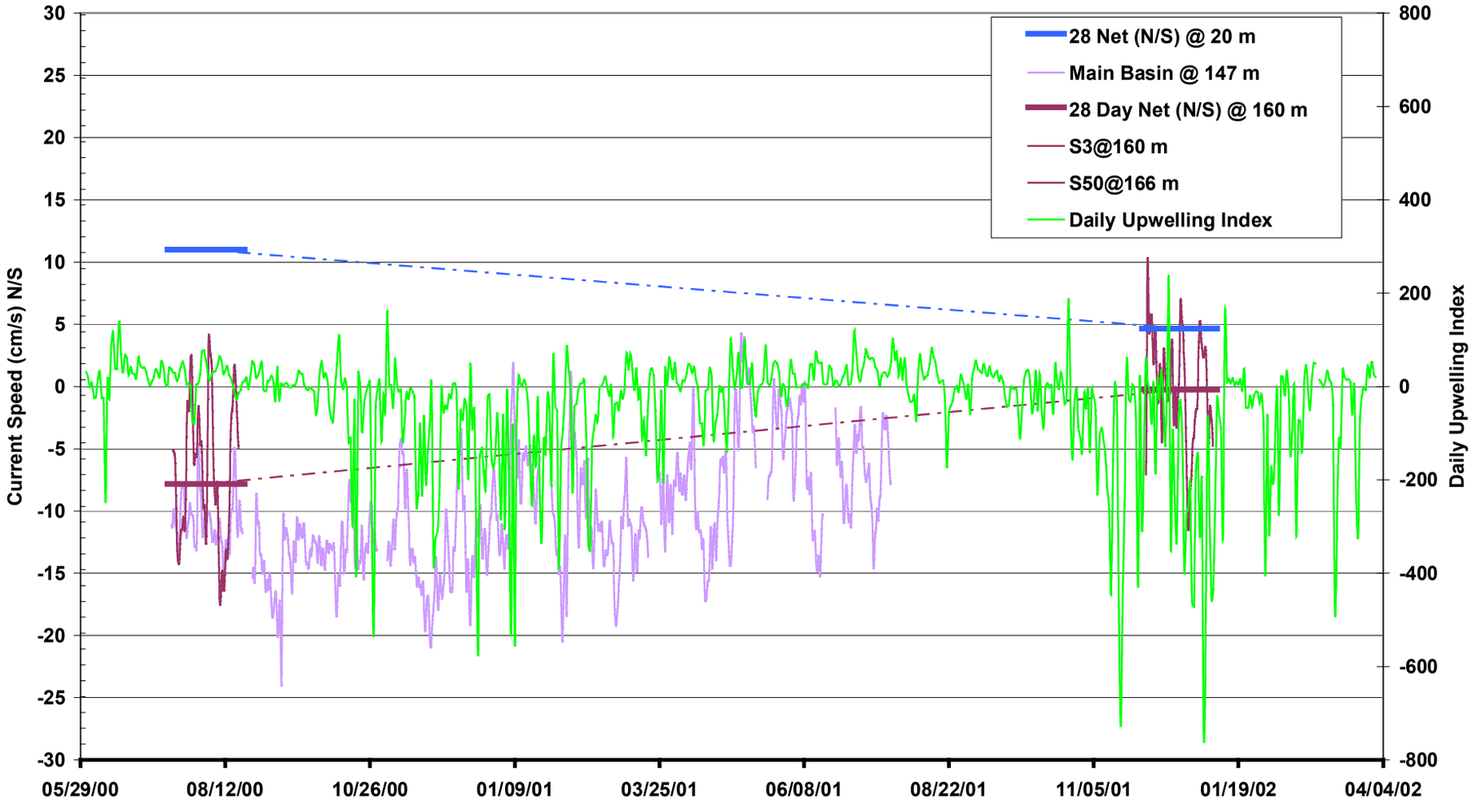


**Figure L-16. Currents and upwelling index**

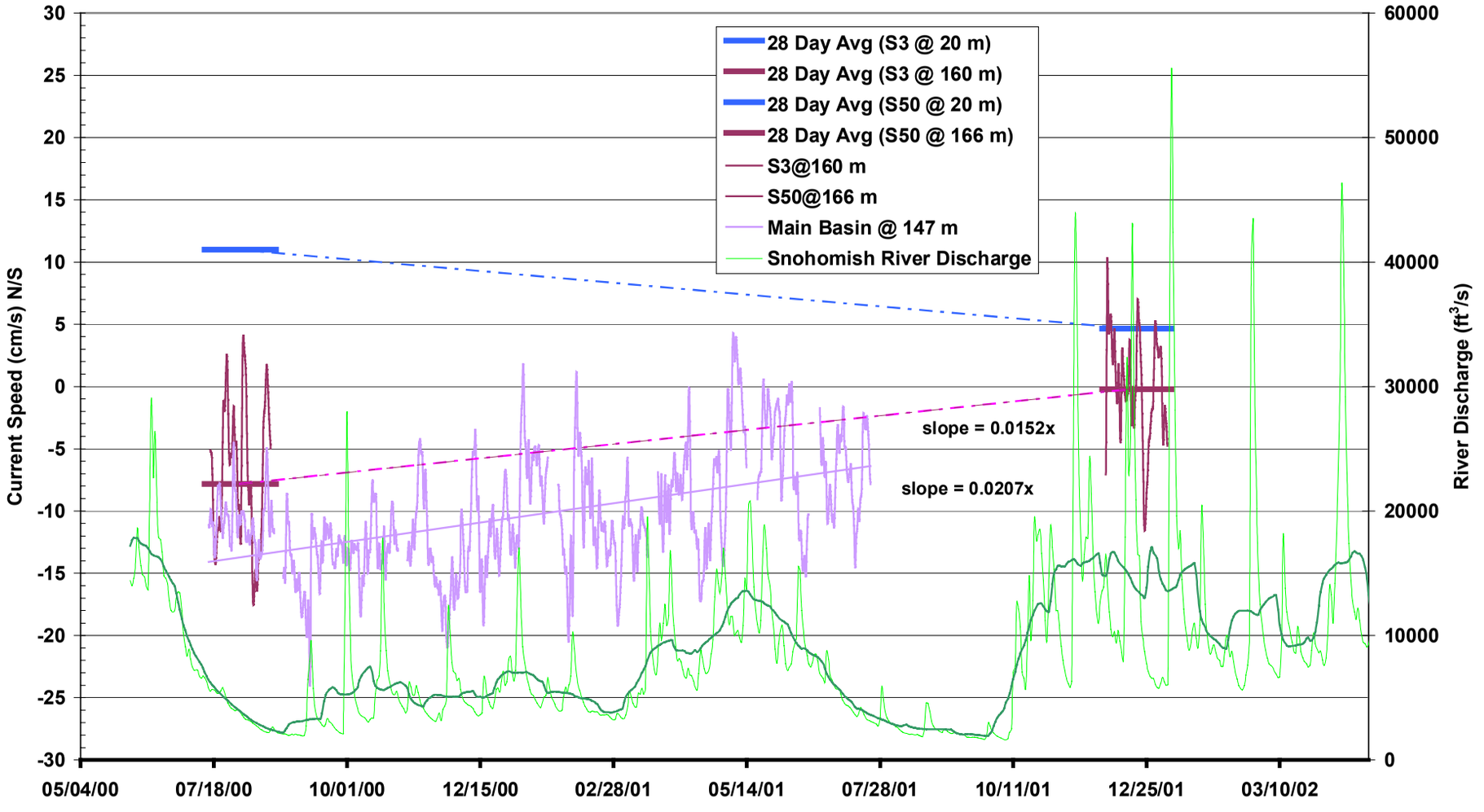


**Figure L-17. Extended time series of currents and river discharge**