

Appendix D: Summary of NOS Operational Forecast Systems (OFS)

Geographic Area (System)	Products/Services/ Outputs	Spatial & Temporal Output	Output Parameters	Input Data & Information Parameters
Chesapeake Bay (CBOFS)	Nowcasts and 30-hr forecasts of water level (updated every six hours)	2-D time series; animated maps	Water levels	Real-time water level and wind data; river discharge; weather model forecasts; coastal water level forecasts
Port of New York & New Jersey (NYOFS)	Hourly nowcasts and 30-hr forecasts (updated every six hours) of water level and 3-D current fields	3-D time series; animated maps	Water level, currents	Real-time water level and wind data; river discharge; weather model forecasts; coastal water level forecasts
Galveston Bay, TX (GBOFS)	Hourly nowcasts and 30-hr forecasts (updated every six hours) of water level, 3-D fields of currents, salinity & water temperature	3-D time series; animated maps	Water level, currents, water temperature, salinity	Real-time water level and wind data; river discharge; weather model forecasts; coastal water level forecasts
St. John River, FL (SJOFS)	Hourly nowcasts and 30-hr forecasts (updated every six hours) of water level, 3-D fields of currents, salinity & water temperature	3-D time series; animated maps	Water level, currents, water temperature, salinity	Real-time water level and wind data; river discharge; weather model forecasts; coastal water level forecasts
Five Great Lakes: Lake Erie (LEOFS), Lake Huron (LHOFS), Lake Michigan (LMOFS), Lake Ontario (LOOFS),	Hourly nowcasts and 30-hr forecasts (updated every six hours) of water level, 3-D fields of currents, &	3-D time series; animated maps	Water level, currents, water temperature	Real-time water level, SST, wind and heat flux data; weather model forecasts

Lake Superior (LSOFS)	water temperature			
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