

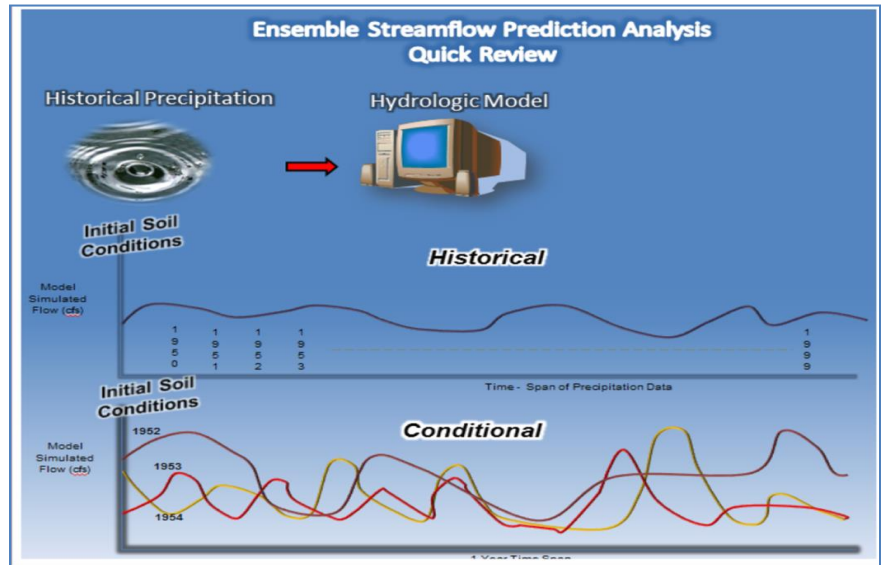
Ensemble Streamflow Prediction (ESP)

Southeast River Forecast Center

What are the Ensemble Streamflow Prediction forecasts?

The Ensemble Streamflow Prediction System is a long-term hydrologic forecast which utilizes historical precipitation data as input to the River Forecast Center's Hydrologic Model. The long-range forecasts provide information on future river stage, flow and/or volume at river forecast sites across the Southeast.

[A conditional and a historical probability forecast are generated from ESP.](#)



What is the forecast period for ESP forecasts at the Southeast River Forecast Center?

Forecasts are for a 90-day period.

How often are ESP forecasts updated?

ESP forecasts are issued once a month. They are issued at the end of a month for the upcoming next three month period.

When did the Southeast River Forecast Center begin ESP forecasts?

The Southeast River Forecast Center began issuing ESP forecasts in 1997.

How can I use ESP forecasts?

ESP forecasts give a 30 to 90 day river forecast perspective. Conditional probabilities can be compared to historical probabilities to gain insight into relative flood risk or water resources at a certain location for the forecast period. ESP forecasts are primarily influenced by historical precipitation and current soil moisture states in the SERFC hydrologic model. Future precipitation and/or climate predictions are not directly utilized currently in ESP forecasts.

Where can I find ESP forecasts?

http://water.weather.gov/ahps/long_range.php

