December 1

Time (ET)	Session Title	Session Type
10 am - 4 pm	[Global Environmental Measurement and Monitoring Technologies: Current Capabilities and Future Needs](); specifically Session III: Measuring Climate Change Impacts on Freshwater Resources and Coastal Ecology	Innovation

December 2

10 - 11 am	[NOAA's Unified Forecast System Research to Operations Project]()	Town Hall

December 3

1:30 - 2:30 pm	[Connect with NOAA National Centers for Environmental Information (NCEI)]()	Town Hall

December 7

10 - 11 am 10 - 11 pm 11 pm - 12 am	[Remote Sensing of Rivers, Lakes, Reservoirs, and Wetlands]()	Oral
1:30 - 2:30 pm	[Hydrologic Sciences Meeting 2022: Updates and Community Input]()	Town Hall
1:30 - 2:30 pm	[Coastal Ocean Modeling in Support of Marine Navigation and the Blue Economy]()	Oral
All day	[Coastal Ocean Modeling in Support of Marine Navigation and the Blue Economy]()	Poster
1:30 - 2:30 pm 7 - 8 pm	[Fluvial Systems: Understanding Dynamics, Interactions, and Resultant Forms Across a Range of Scales]()	Oral
All day	[Fluvial Systems: Understanding Dynamics, Interactions, and Resultant Forms Across a Range of Scales]()	Poster
7 - 8 pm	[Addressing Challenges for the Next Generation of Earth System Models]()	eLightening
8:30 - 9:30 pm	[Addressing Challenges for the Next Generation of Earth System Models]()	Oral
All day	[Addressing Challenges for the Next Generation of Earth System Models]()	Poster
8:30 - 9:30 pm	[Advances in Remote Sensing of Precipitation: From Observation to Application]()	Oral
8:30 - 9:30 pm	[Advances in Watershed Modeling: Hydrologic and Nutrient Processes, Conservation Management,]()	eLightening

	Food Production, Energy Consumption, and Model Coupling	
All day	Advancements in Watershed Modeling to Support Water Resources Management	Poster
All day	Treading Water: Understanding Sea Level Rise and Connections to Coastal Flooding and Impacts	Poster
All day	Remote Sensing of Rivers, Lakes, Reservoirs, and Wetlands	Poster

December 8

7 - 8 am	Advancements in Watershed Modeling to Support Water Resources Management	Oral
1:30 - 2:30 pm	**NOAA's National Water Center: Programmatic Update and Opportunities for Collaboration**	**Town Hall**

December 9

8:30 - 9:30 am	Advancements in Watershed Modeling to Support Water Resources Management	Oral
1:30 - 2:30 pm	Ecological Forecasting Initiative: NEON Forecasting Challenge	Town Hall
All day	Dynamics of Estuary Climate Change Impacts and the Natural and Human Response	Poster
All day	Coastal Hydrology	Poster
7 - 8 pm	Nearshore Processes	Oral
All day	Nearshore Processes	Poster
8:30 - 9:30 pm 10 - 11 pm	Scientific Machine Learning for Flow, Transport, and Coupled Processes Across Temporal and Spatial Scales	Oral
8:30 - 9:30 pm	Advancing Process-Based and Data-Driven Modeling for River Corridor and Watershed Systems	eLightening
1:30 - 2:30 pm	New and Expanding Community-Driven Research Programs to Understand Watershed and Coastal Processes	Town Hall

December 10

7 - 8 am 8:30 - 9:30 am	Remote Sensing, Modeling, and Data Assimilation of the Terrestrial Water Cycle	eLightening

7 - 8 am	[Innovation and Exploration in Observed and Model Oceanographic Data Using Interpretable Machine Learning](#)	Oral
All day	[Innovation and Exploration in Observed and Model Oceanographic Data Using Interpretable Machine Learning](#)	Poster
10 - 11 pm	[NOAA Modeling Forum](#)	Town Hall

December 11

10 - 11 pm 1:30 - 2:30 pm	**[Continental-Scale Water Prediction: Improving Skill and Promoting Community Engagement](#)**	**Oral**
All Day	**[Continental-Scale Water Prediction: Improving Skill and Promoting Community Engagement](#)**	**Poster**
All Day	[Lakes and Inland Water Bodies](#)	Poster
10 - 11 pm	[Water Quality and Watersheds: From Scientific Innovations to Actions](#)	Oral
All Day	[Water Quality and Watersheds: From Scientific Innovations to Actions](#)	Poster
1:30- 2:30 pm 7 - 8 pm	[Concurrent, Consecutive, and Cascading Events: An Emerging Challenge for Risk Assessment and Management of Compound Natural and Natech Hazards](#)	Oral
All day	[Concurrent, Consecutive, and Cascading Events: An Emerging Challenge for Risk Assessment and Management of Compound Natural and Natech Hazards](#)	Poster
7 - 8 pm	[Bridging Divides in Social and Hydrologic Science: Integrative Practices and Stakeholder Participation in Hydrologic Research](#)	Oral
All day	[Bridging Divides in Social and Hydrologic Science: Integrative Practices and Stakeholder Participation in Hydrologic Research](#)	Poster

December 14

7 - 8 am	[River Deltas: Hydrology, Geomorphology, and Sedimentology](#)	Oral
All day	[River Deltas: Hydrology, Geomorphology, and Sedimentology](#)	Poster
7 - 8 am 8:30 - 9:30 am	[Nearshore Processes](#)	Oral

2:30 - 3:30 pm		
All day	[Nearshore Processes](#)	Poster
11:30 am - 12:30 pm	[Uncertainty Analysis in Hydrology and Water Quality](#)	eLightening
1 - 2 pm	[Recent Advances in the Hydrologic Sciences](#)	Oral
All day	[Advancing Spatial Discretization in Hydrologic and Land Surface Modeling](#)	Poster
11:30 pm - 12:30 am	[Recent Advances and Future Directions in Hydroinformatics: From Data to Decision-Making](#)	Oral
All day	[Recent Advances and Future Directions in Hydroinformatics: From Data to Decision-Making](#)	Poster

December 15

7 - 8 am	[Estimating Large-Scale Groundwater Fluxes to the Ocean](#)	eLightening
10 - 11 am	**[Improving Water Prediction in the Coastal Transition Zone: An Interagency Collaboration](#)**	**Town Hall**
10 - 11 pm 11:30 pm - 12:30 am	[Machine Learning in Hydrologic Forecasting](#)	Oral
All day	[Machine Learning in Hydrologic Forecasting](#)	Poster

December 16

7 - 8 am	[Ecological Forecasting in the Earth System](#)	Oral
All day	[Ecological Forecasting in the Earth System](#)	Poster
All day	[Multiscale Coupling Between Hydrodynamics, Sediment Transport, and Ecosystem Dynamics in Urbanized Coastal Environments](#)	Poster
All day	[Recent Advances in Large-Scale, High-Resolution Hydrologic and Flood Modeling Leveraging High-Performance Computing](#)	Poster
10 - 11 am 8:30 - 9:30 pm	[Advancing Flood Characterization, Modeling, and Communication](#)	Oral

All day	Advancing Flood Characterization, Modeling, and Communication	Poster
All day	Extreme Sea Levels: Statistics, Impacts, and Adaptation	Poster
10 - 11 am	Ocean Waves and Atmosphere–Ocean Coupling Mechanisms	Oral
All day	Ocean Waves and Atmosphere–Ocean Coupling Mechanisms	Poster

December 17

7 - 8 am	The Surface Water and Ocean Topography (SWOT) Mission: Hydrology and Oceanography and Their Interaction at the Estuaries	Oral
8:30 - 9:30 am	Coastal Hydrology	Oral
8:30 - 9:30 am	Machine Learning in Hydrologic Modeling	Oral
10 - 11 am	Recent Advances in Large-Scale, High-Resolution Hydrologic and Flood Modeling Leveraging High-Performance Computing	Oral
10 - 11 am	Extreme Sea Levels: Statistics, Impacts, and Adaptation	Oral