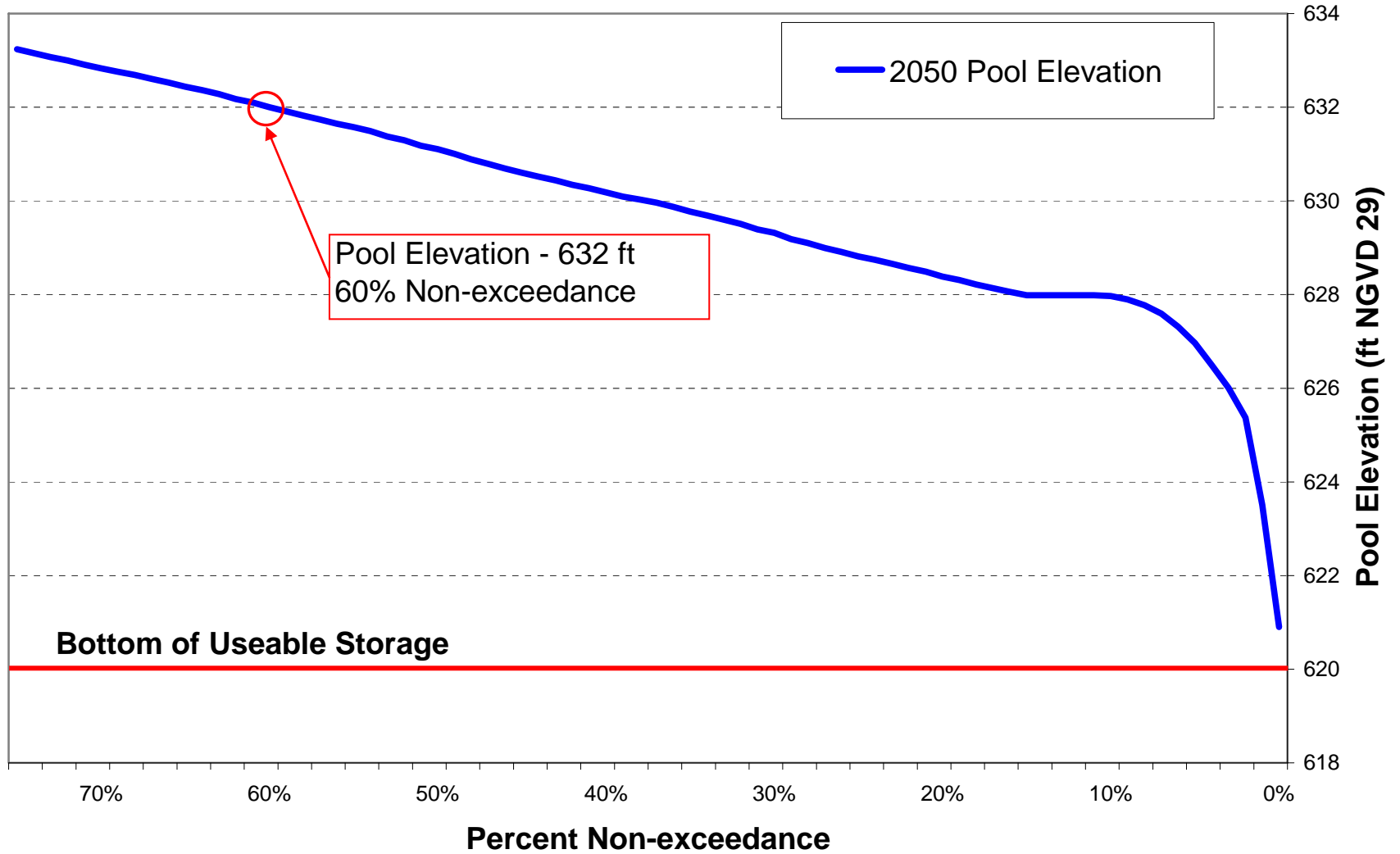


DRAFT- Initial Future (2050) Surface Water Availability Modeling Results

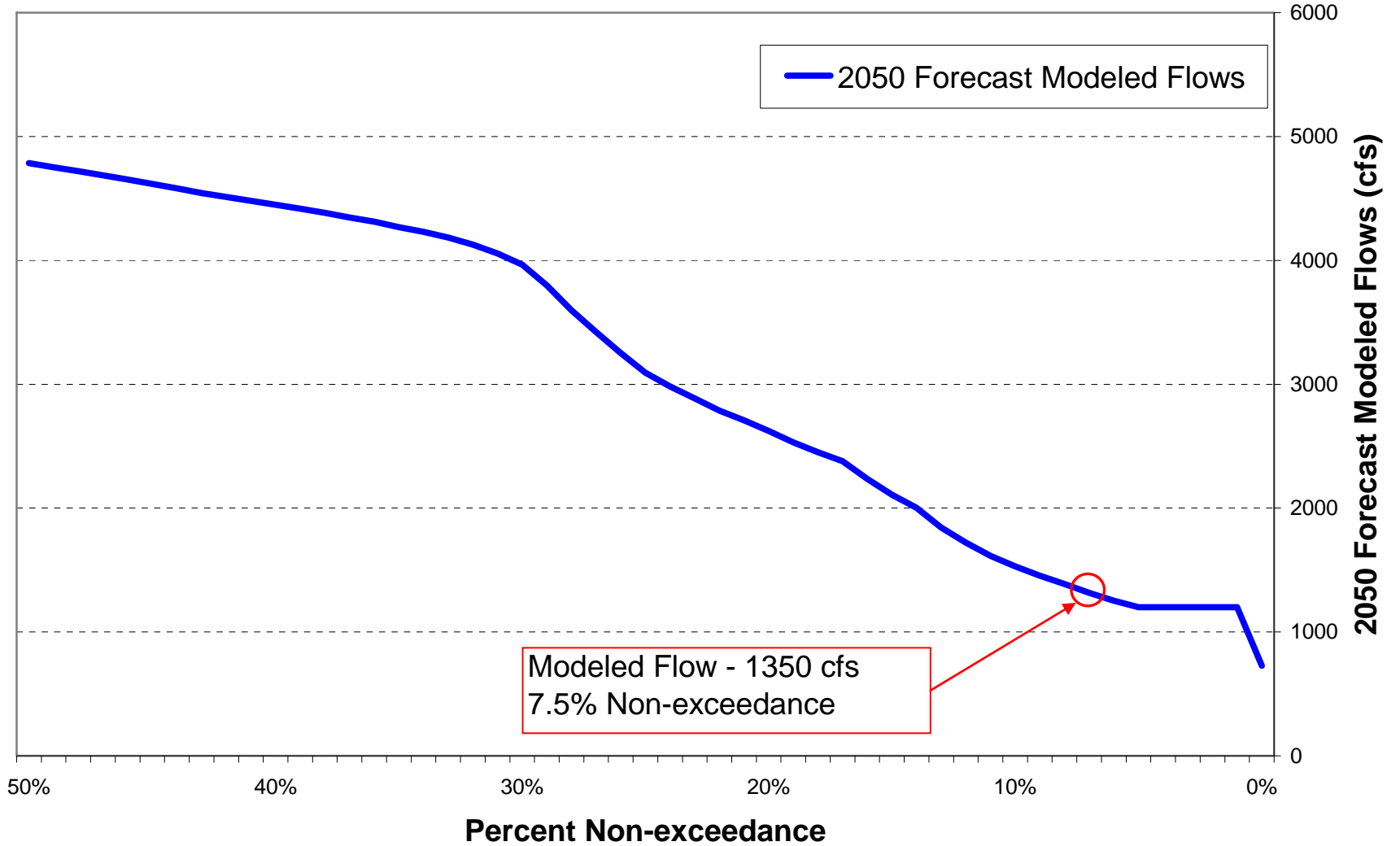
- No flow targets exceeded on the Chattahoochee River
 - 750 cfs @ Peachtree Creek (above the Atlanta gage)
 - 675 cfs downstream of West Point Dam
 - RIOP flows downstream of Woodruff Dam
- Reservoir storage does not fall below bottom of conservation pool for any of the USACOE projects
 - A gap potential may exist where the future demand is assumed to come from federal reservoir storage above what may be currently authorized or where pending changes as a result of the Magnuson Decision affect authorized quantities
 - Model assumptions utilize current RIOP protocol to control reservoir levels and release rates

2050 Pool Elevation at West Point Lake



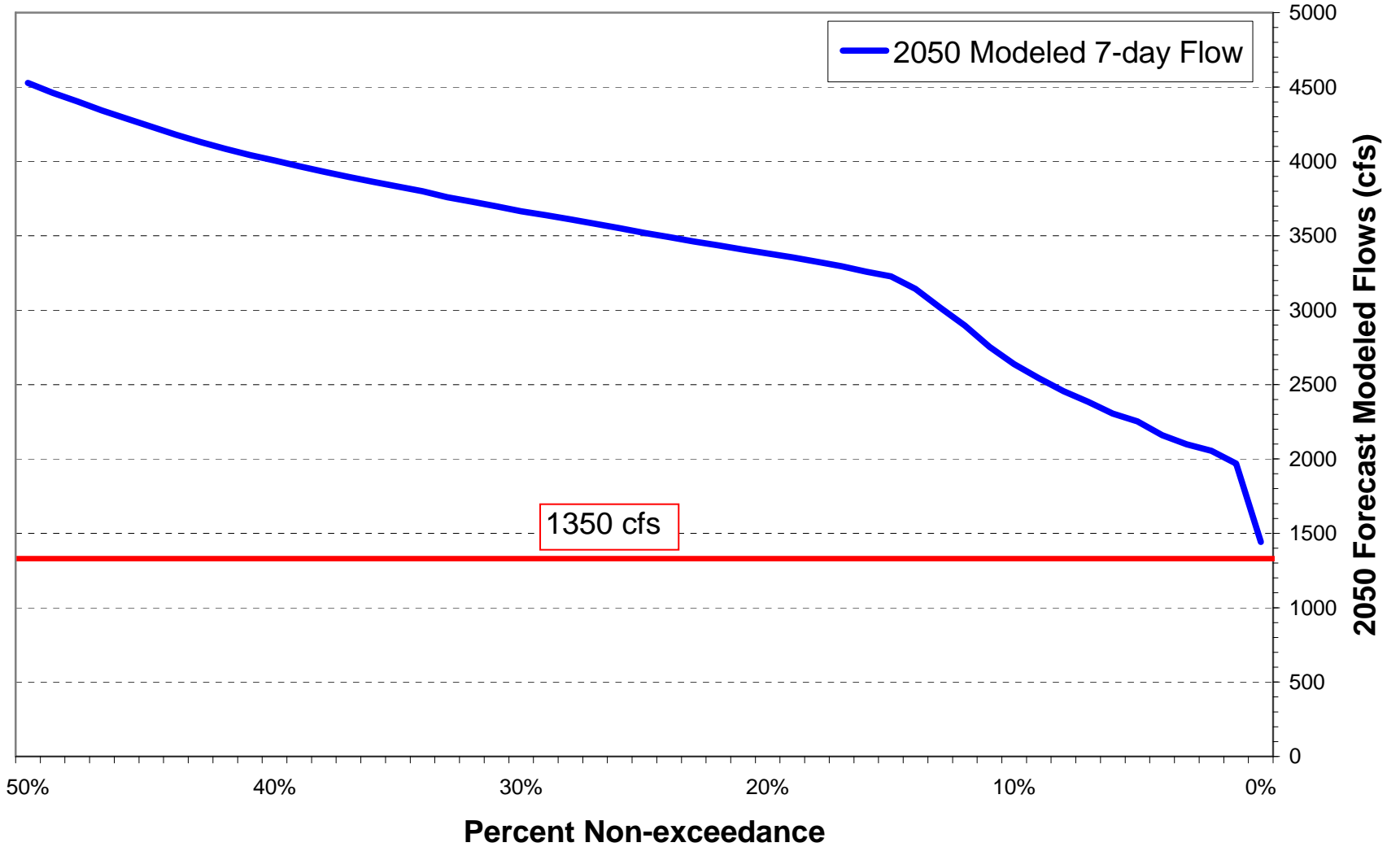
Note: 2050 reported storage remaining was used with area and capacity curve (USACOE, Feb 2010) to produce this graphic

2050 Exceedance Flows at Columbus



DRAFT

2050 7-Day Average Flow at Columbus



DRAFT- Initial Future (2050) Surface Water Availability Modeling Results

- Flow targets exceeded on the Flint River
 - Montezuma
 - Maximum shortfall = 1 cfs
 - Average shortfall = 0.2 cfs
 - % of time when shortfall occurs = 2%
 - Bainbridge
 - Maximum shortfall = 1,215 cfs
 - Average shortfall = 316 cfs
 - % of time when shortfall occurs = 11%

Stream Flow at Flow at Bainbridge in the Flint River

