

Roanoke River Basin Advisory Committee Meeting

7-29-08



Cat Rock Sluice is one of the best preserved and most accessible components of the most extensive riverbed navigation complex for batteaux now known in this country. The 11-mile network, of sluices and associated wing dams and towing walls was constructed by Samuel Pannill in 1827 for the [Roanoke Navigation Company](#) to permit the passage of poled river boats, called [batteaux](#), through the falls of the Staunton, opening up the river as far as Salem (above Roanoke, Va.) 177 miles above its junction with the Dan.

(excerpt from www.oldhalifax.com)















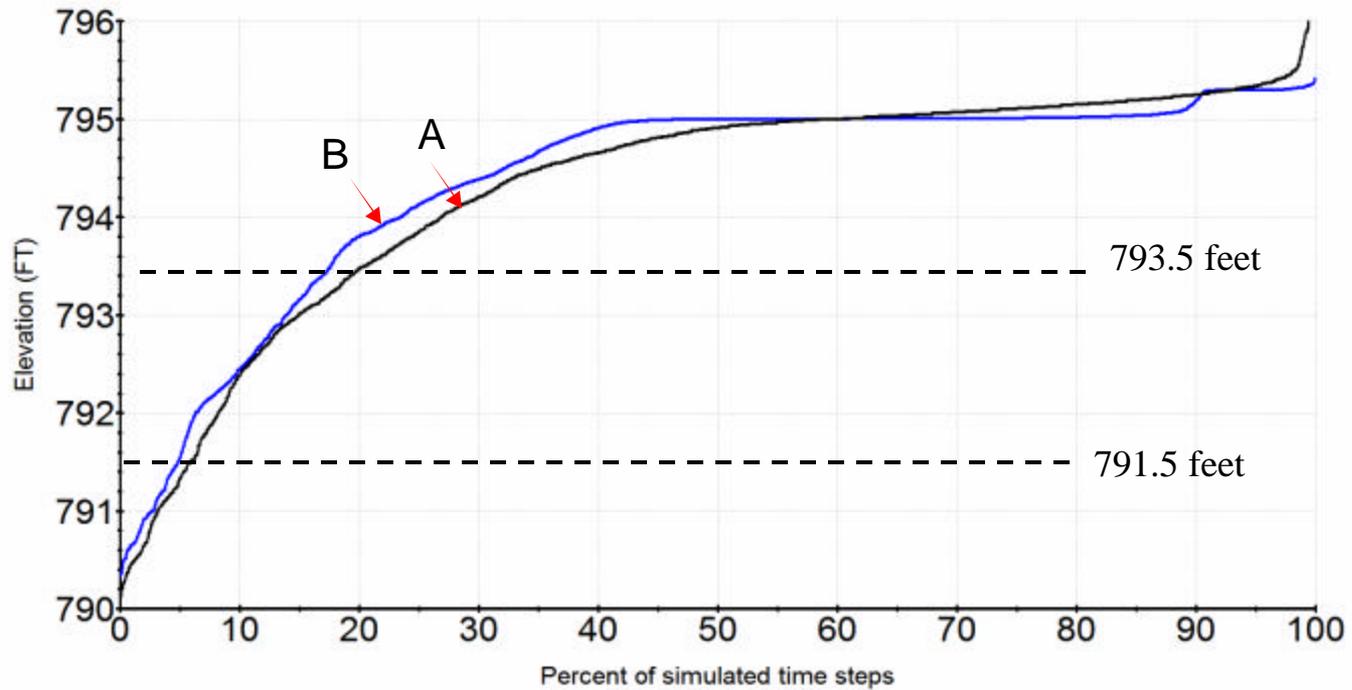






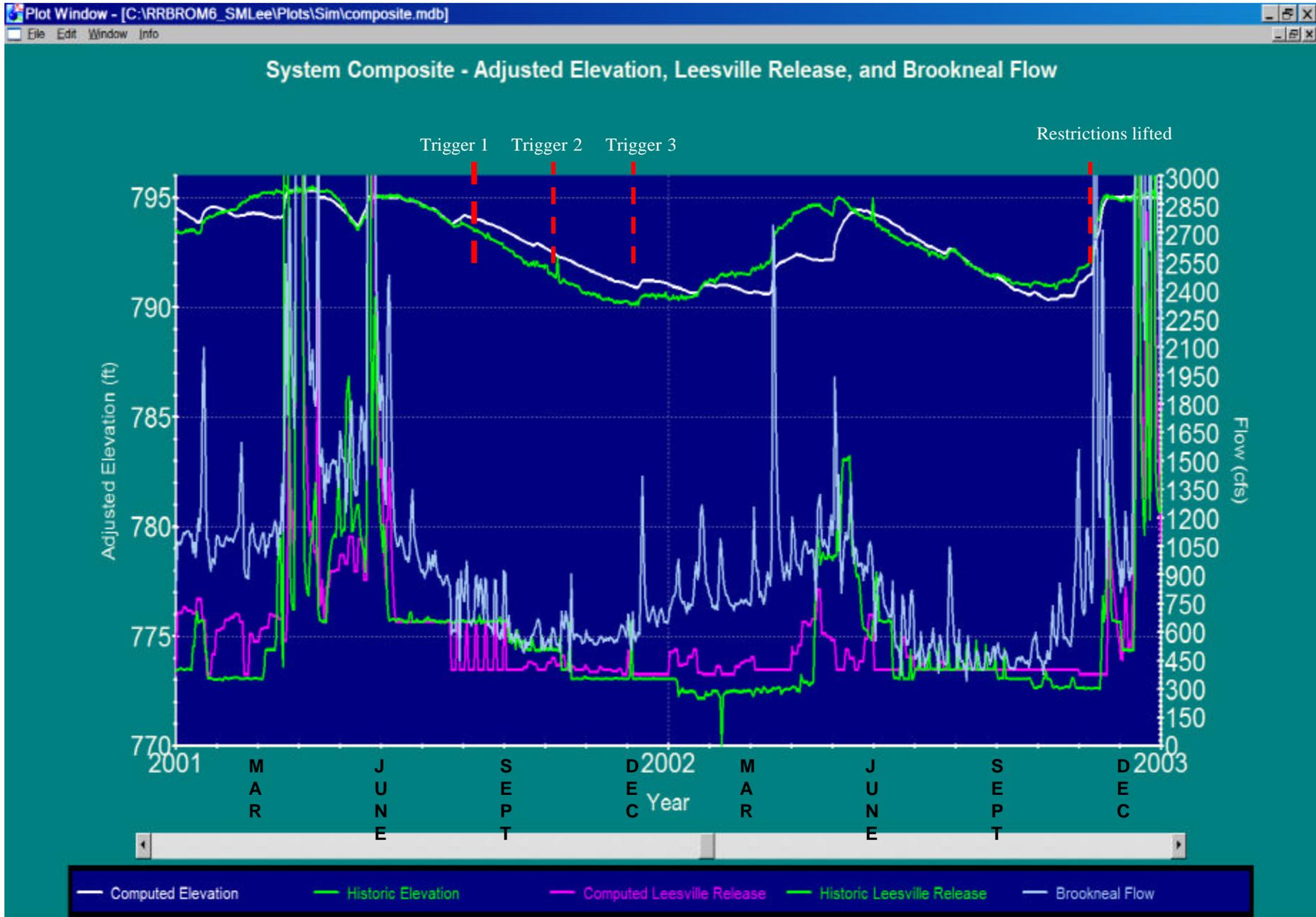
SM_Lee Adjusted Elevation

All Days 1995 to 2007

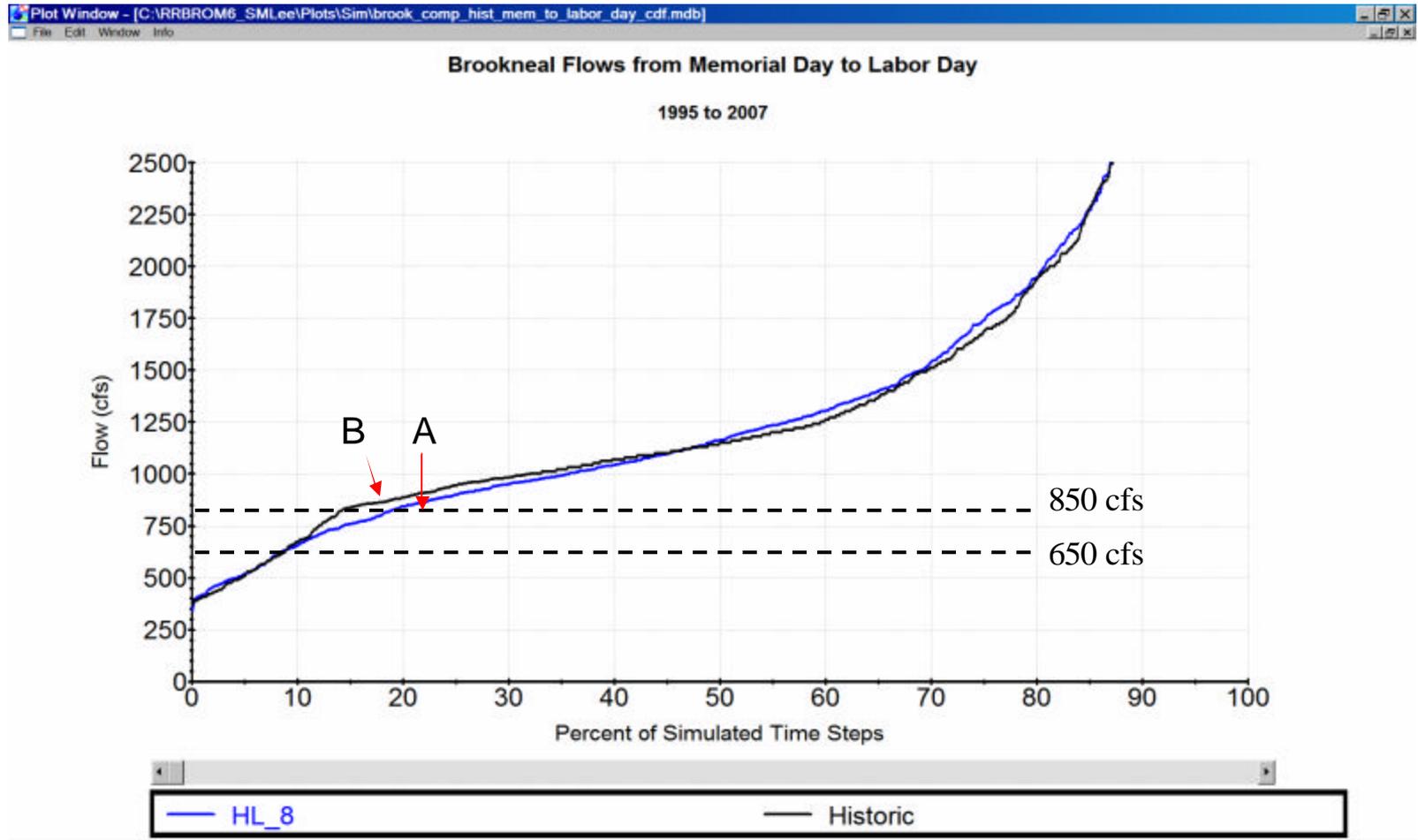


A (Historic) – 20% of time below 793.5
B (HL8) – 17% of time below 793.5

HL_8 Performance in 2001-2002 Drought



Includes weekend days and weekdays



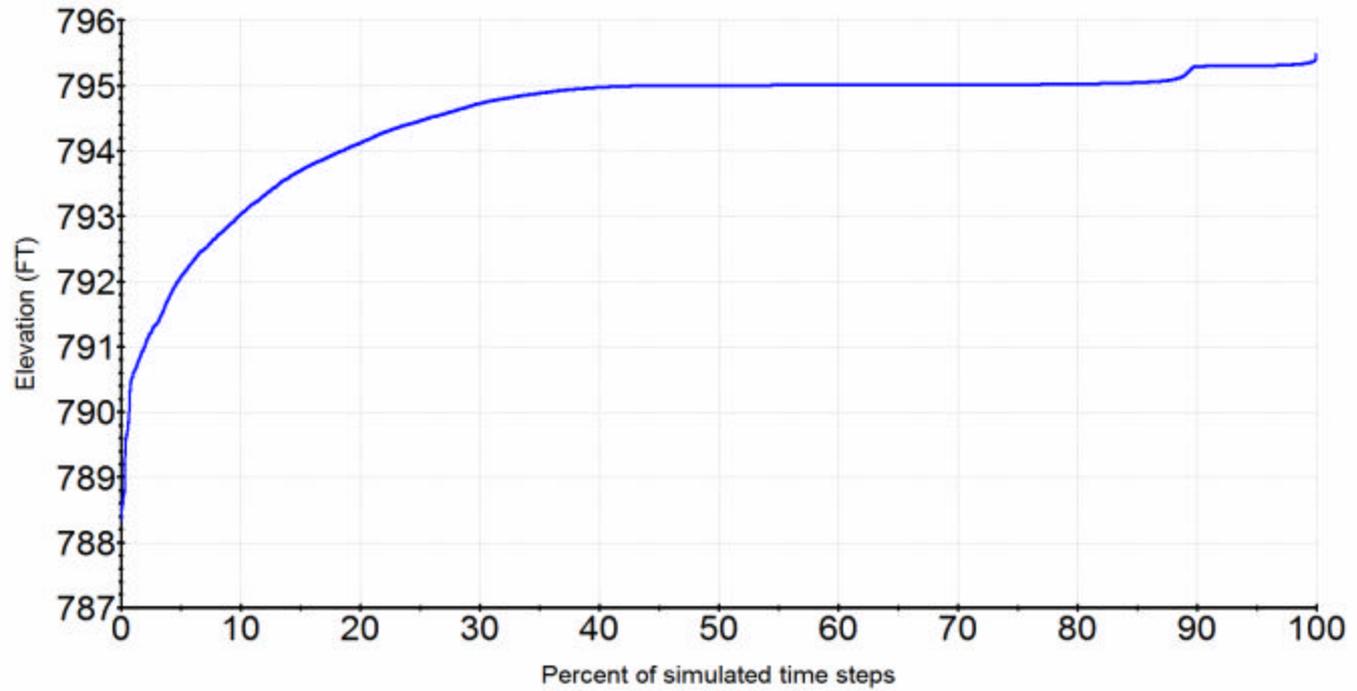
A (HL8) 19% of time below 850
B (Historic) 14% of time below 850

Lake Level/Flow Comparisons for Memorial to Labor Day (1930 to 2007)

- Lake levels (plots not shown)
 - Below 793.5 feet, adjusted
 - 14% of time (all summer period days)
 - Below 791.5 feet, adjusted
 - 2% of time (all summer period days)
 - Results the same if just weekend days during this period were included
- Brookneal flows (plots not shown)
 - Below 850 cfs  Close balance with 793.5 lake level
 - 13% of time (weekends)
 - 17% of time (all days)
 - Below 650 cfs  Close balance with 791.5 lake level
 - 3% of time (weekends)
 - 7% of time (all days)

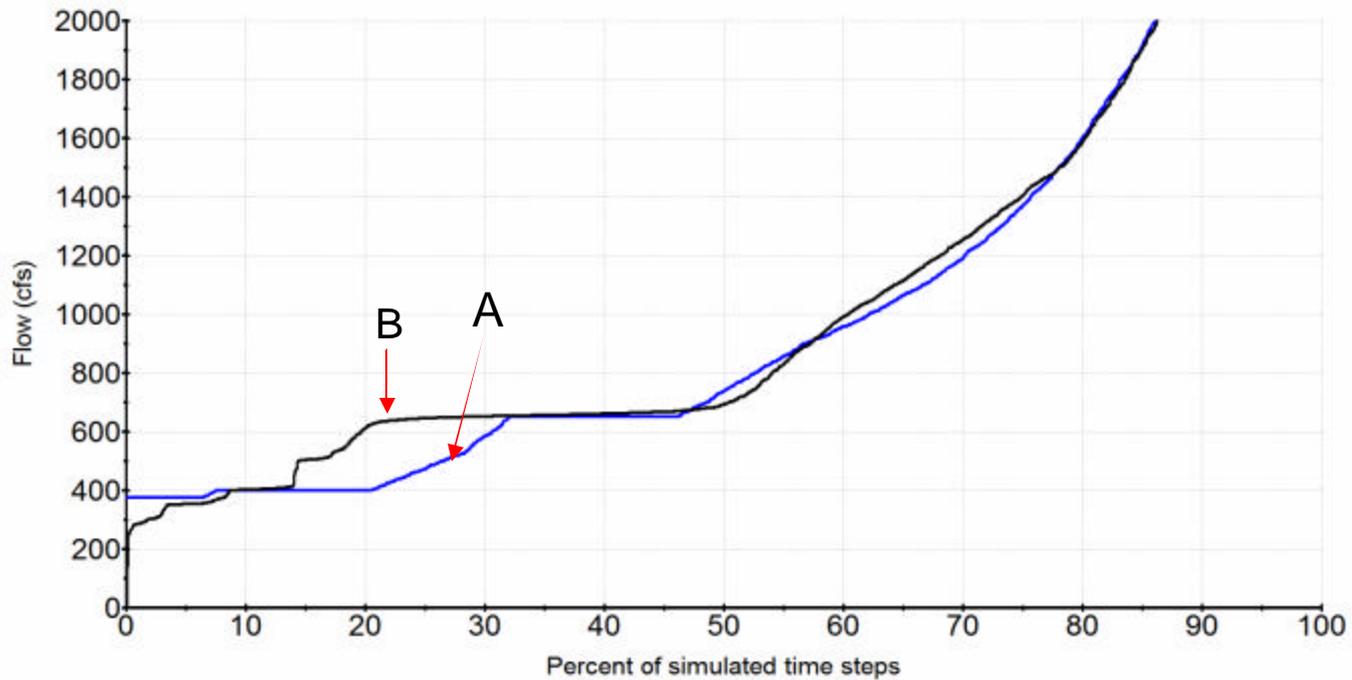
SM_Lee Adjusted Elevation

All Days 1930 to 2007



Leesville Release

All Days 1995 to 2007



A (HL8) Below 650 CFS 32% of the time
B (Historic) below 650 CFS 20% of the time

Staunton River – First State Scenic River

*The Poor Man's
"Smith Mountain Lake"*

