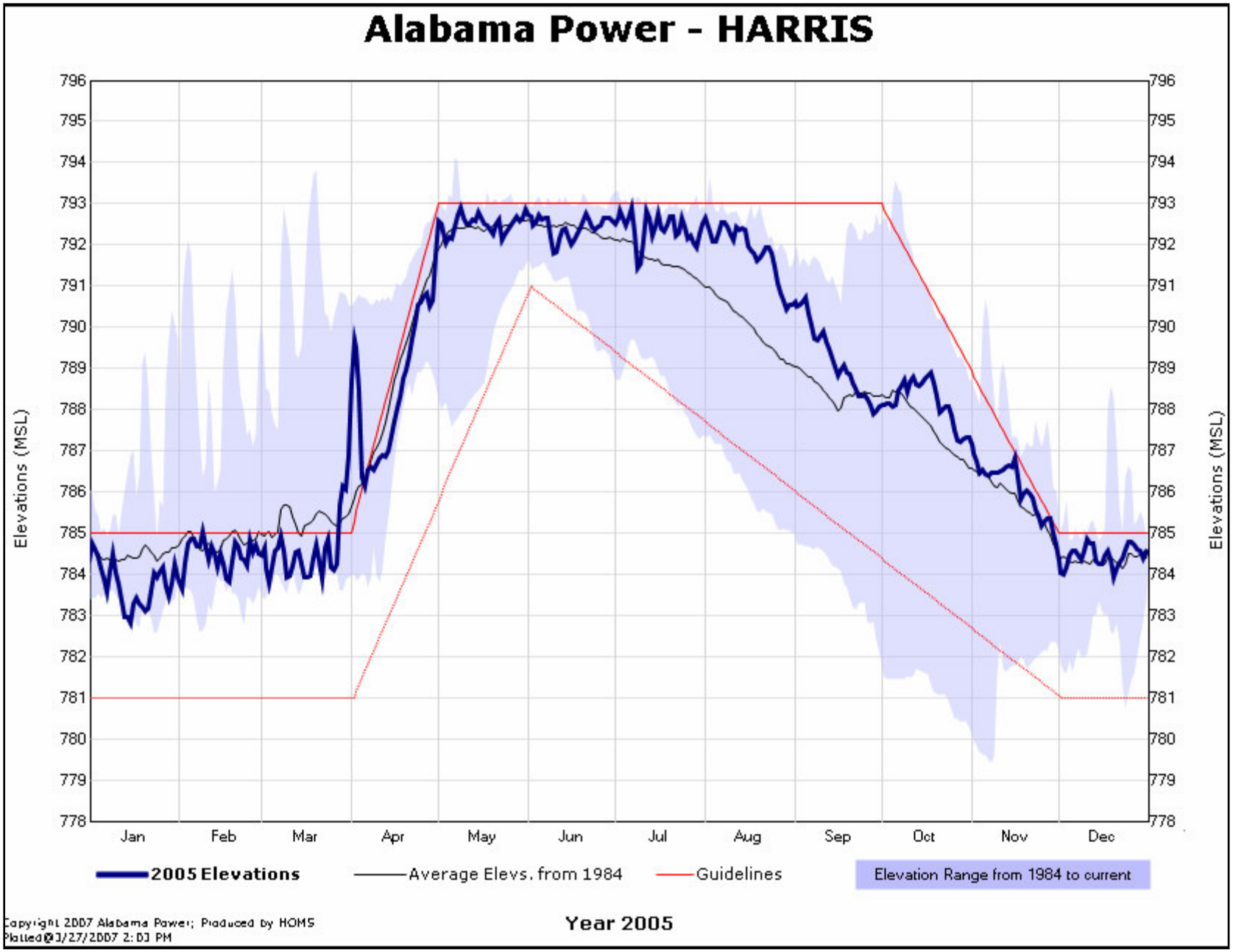
Alabama Power Company's
Review of the RL Harris 'Green Plan'

R L Harris Adaptive Management Meeting
Alexander City, AL
August 2, 2007


Alabama Power - HARRIS
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Elevations (MSL)
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2005 Elevations
Average Elevs. from 1984
Guidelines
Elevation Range from 1984 to current
Year 2005
Copyright 2007 Alabama Power; Produced by HOMS
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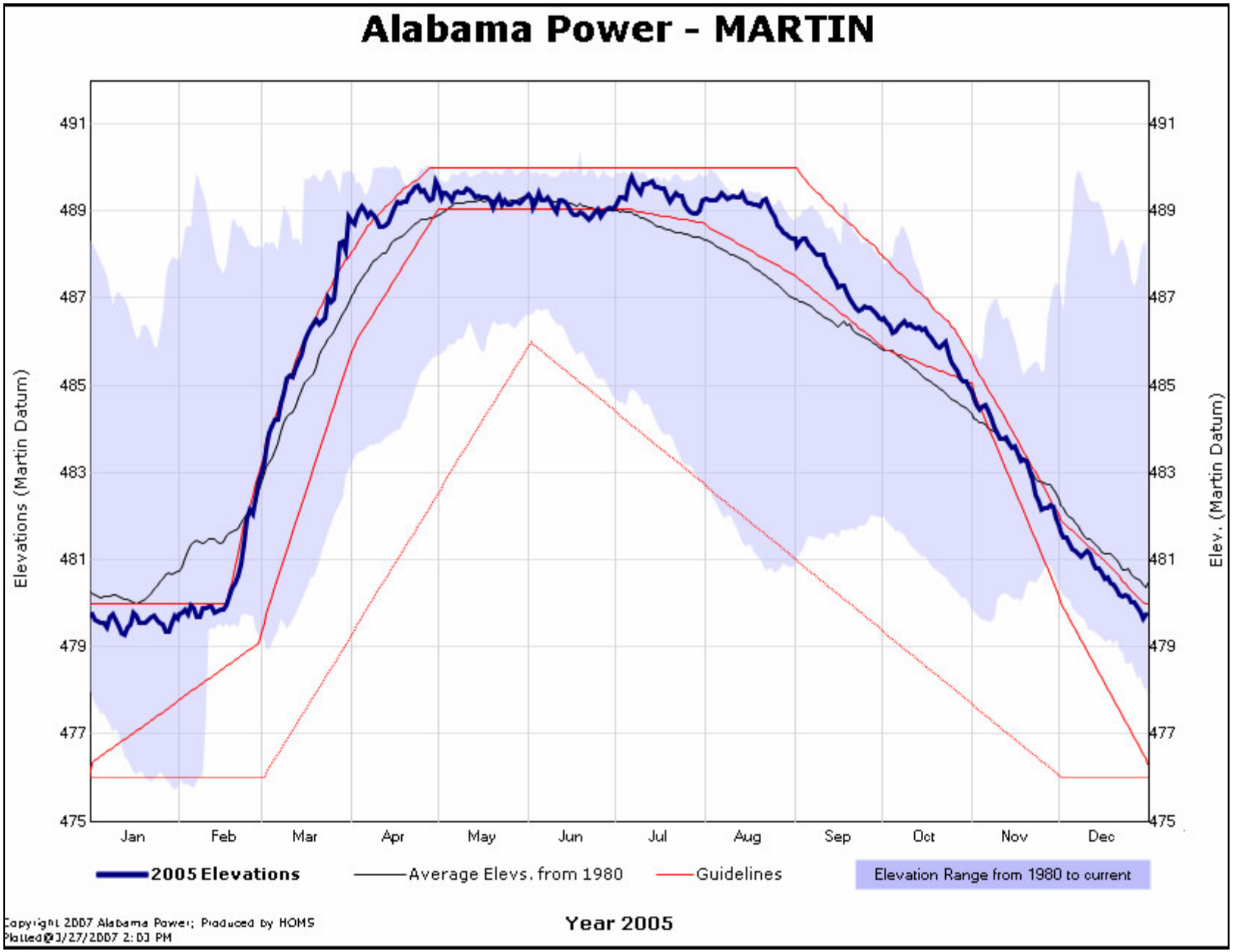
Alabama Power - MARTIN
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2005 Elevations
Average Elevs. from 1980
Guidelines
Elevation Range from 1980 to current
Year 2005
Copyright 2007 Alabama Power; Produced by HOMS
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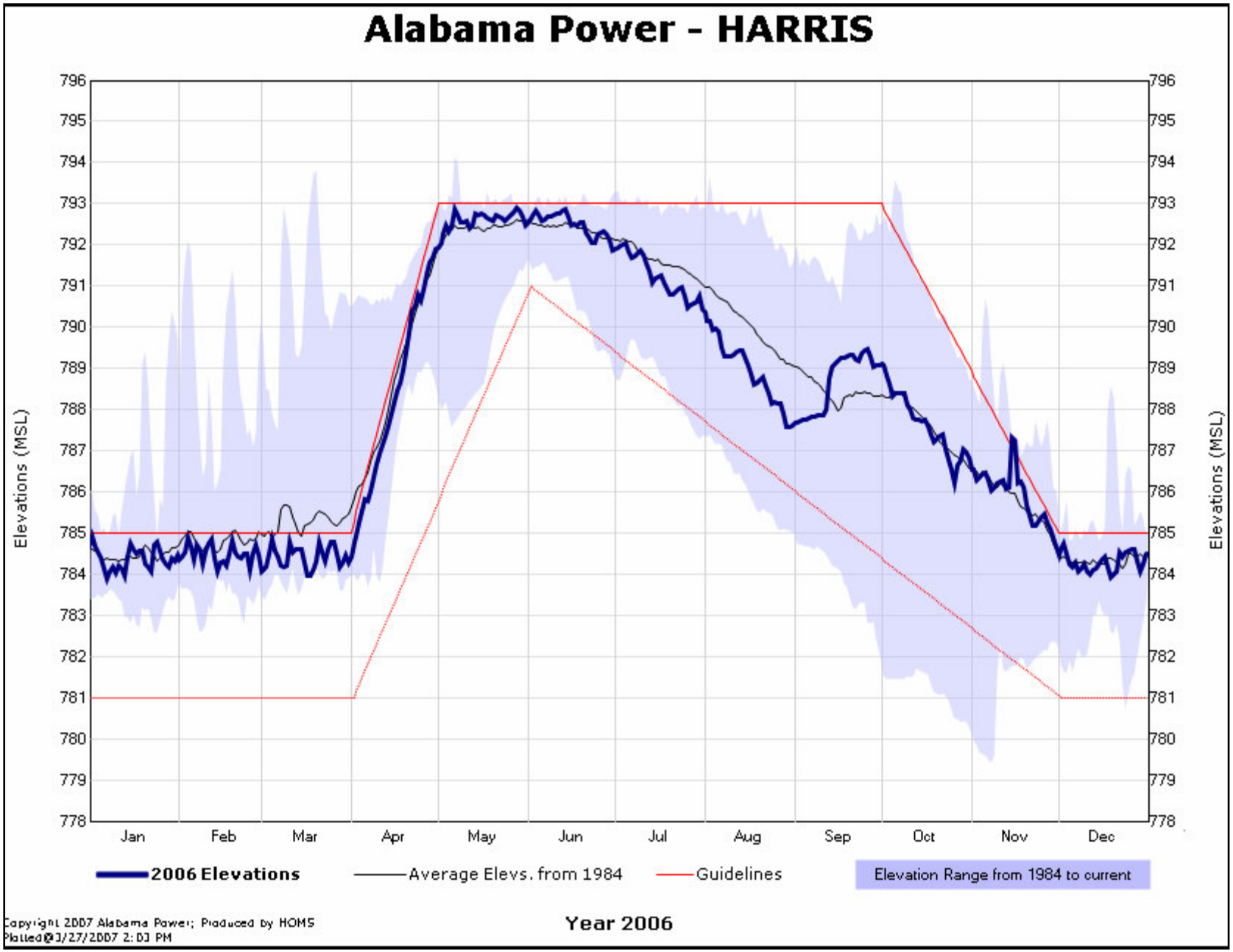
Alabama Power - HARRIS
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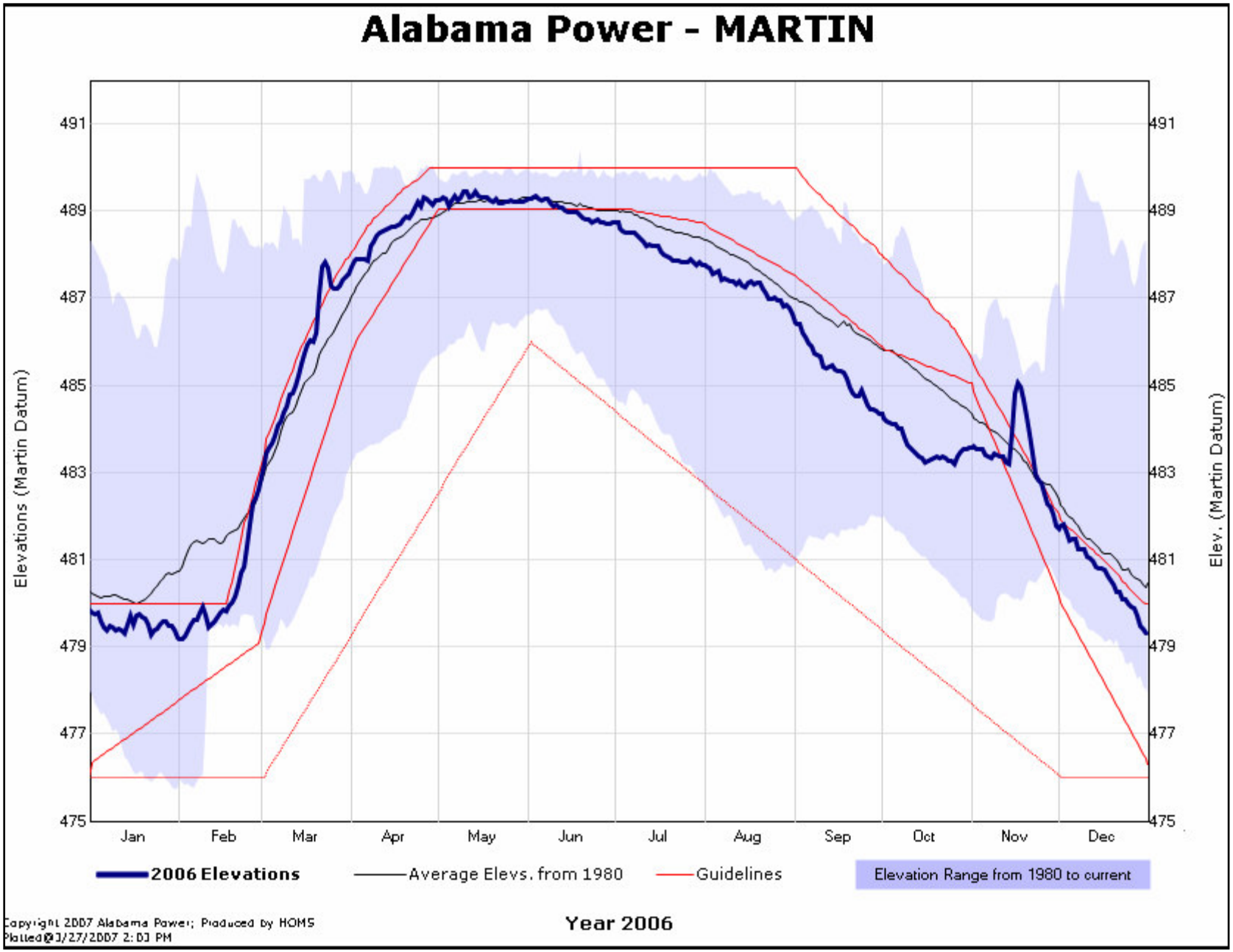
Alabama Power - MARTIN
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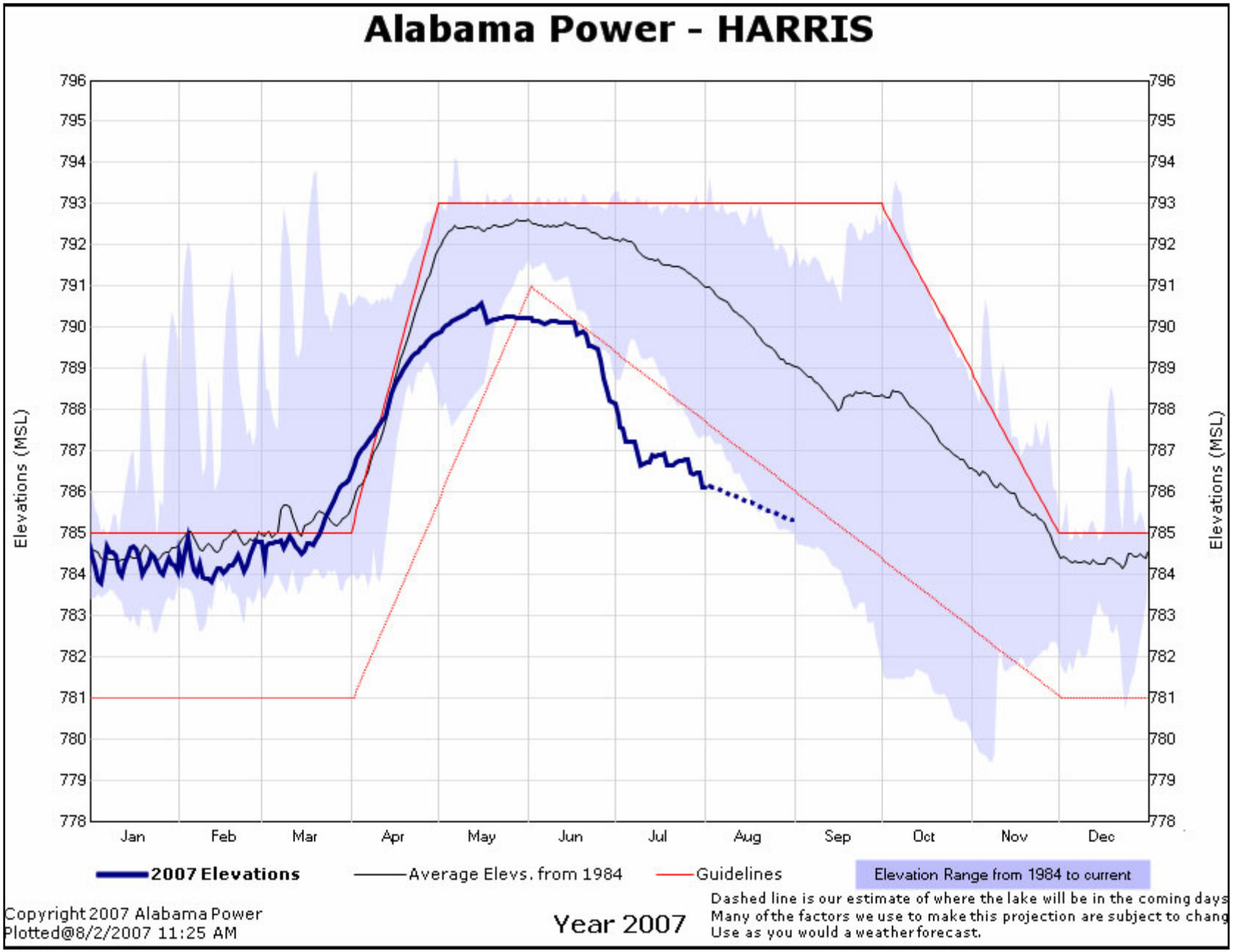
2006 Elevations
Average Elevs. from 1980
Guidelines
Elevation Range from 1980 to current
Year 2006
Copyright 2007 Alabama Power; Produced by HOMS
Plotted@3/27/2007 2:03 PM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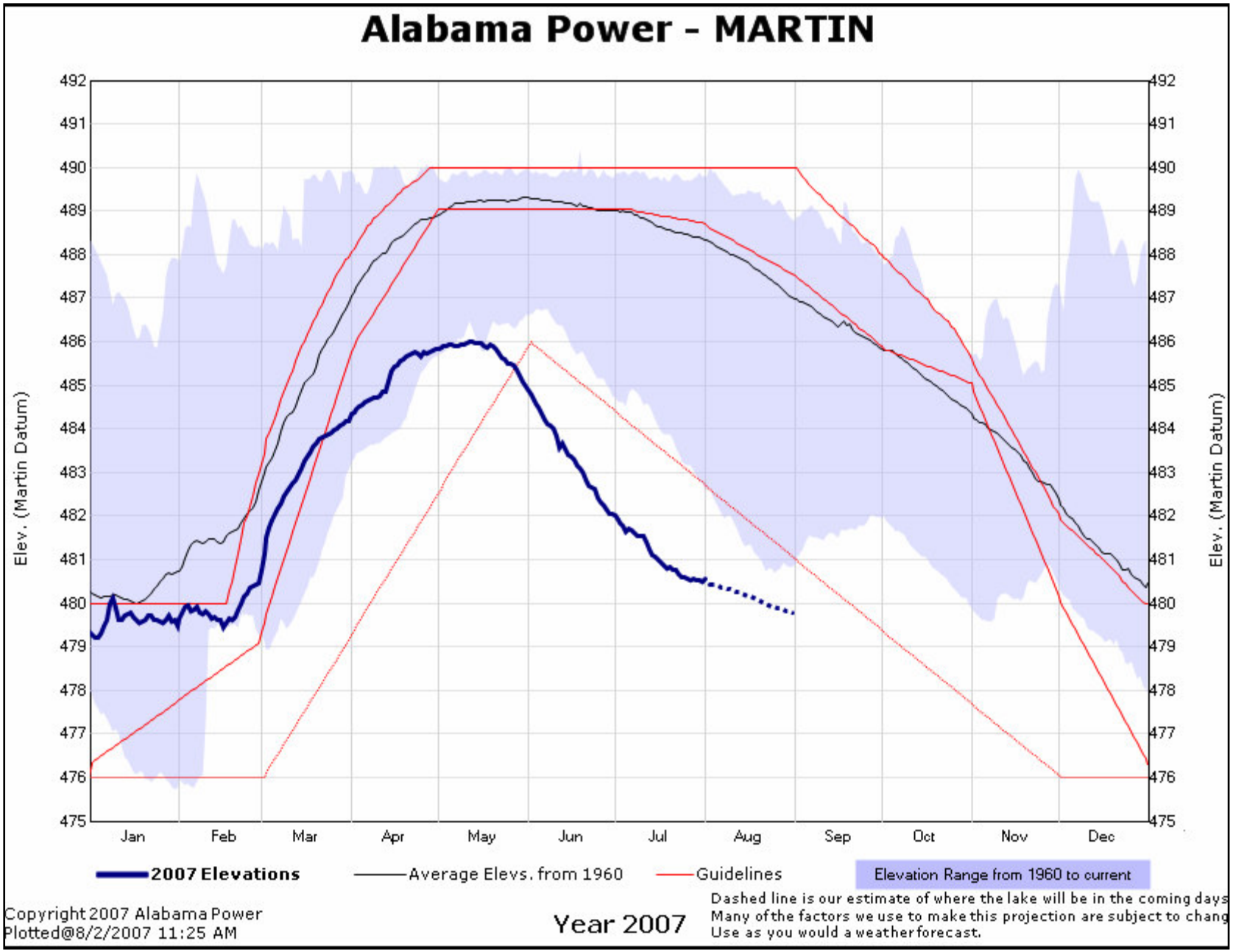
2007 Elevations
Average Elevs. from 1984
Guidelines
Elevation Range from 1984 to current
Dashed line is our estimate of where the lake will be in the coming days
Many of the factors we use to make this projection are subject to chang
Use as you would a weather forecast.
Year 2007
Copyright 2007 Alabama Power
Plotted@8/2/2007 11:25 AM



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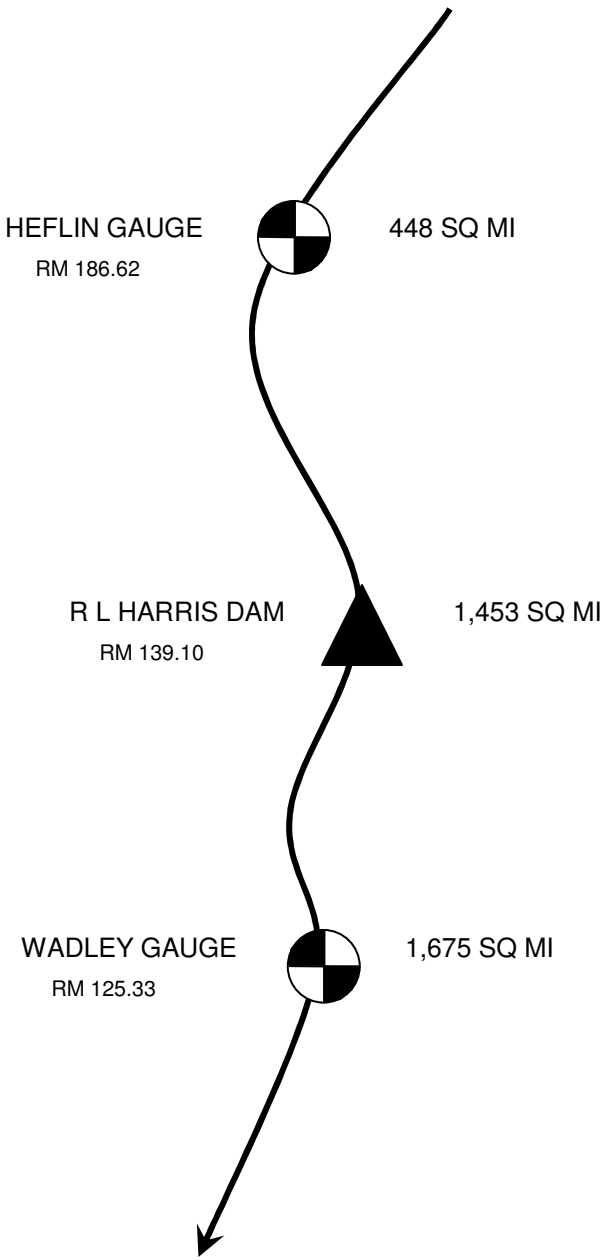
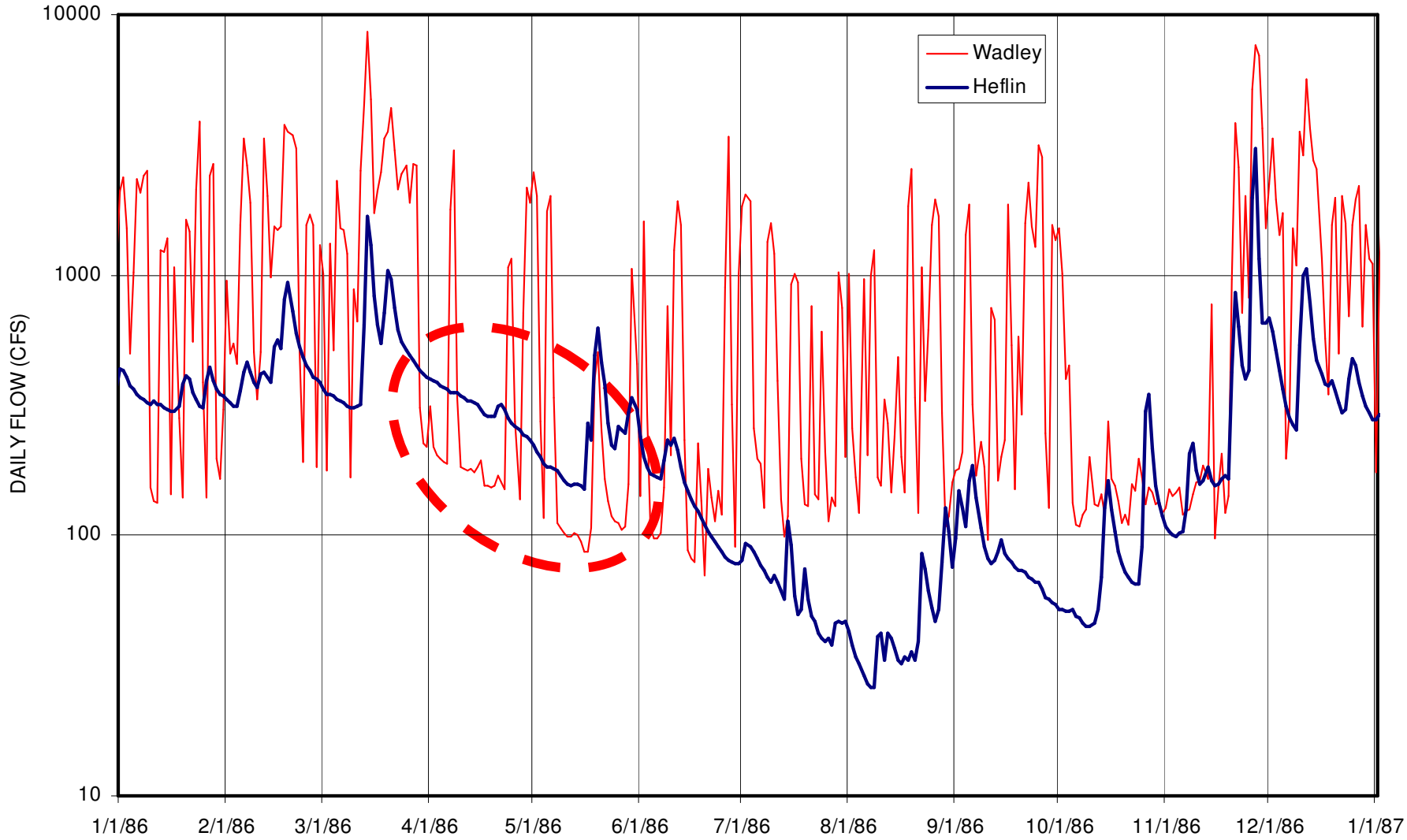
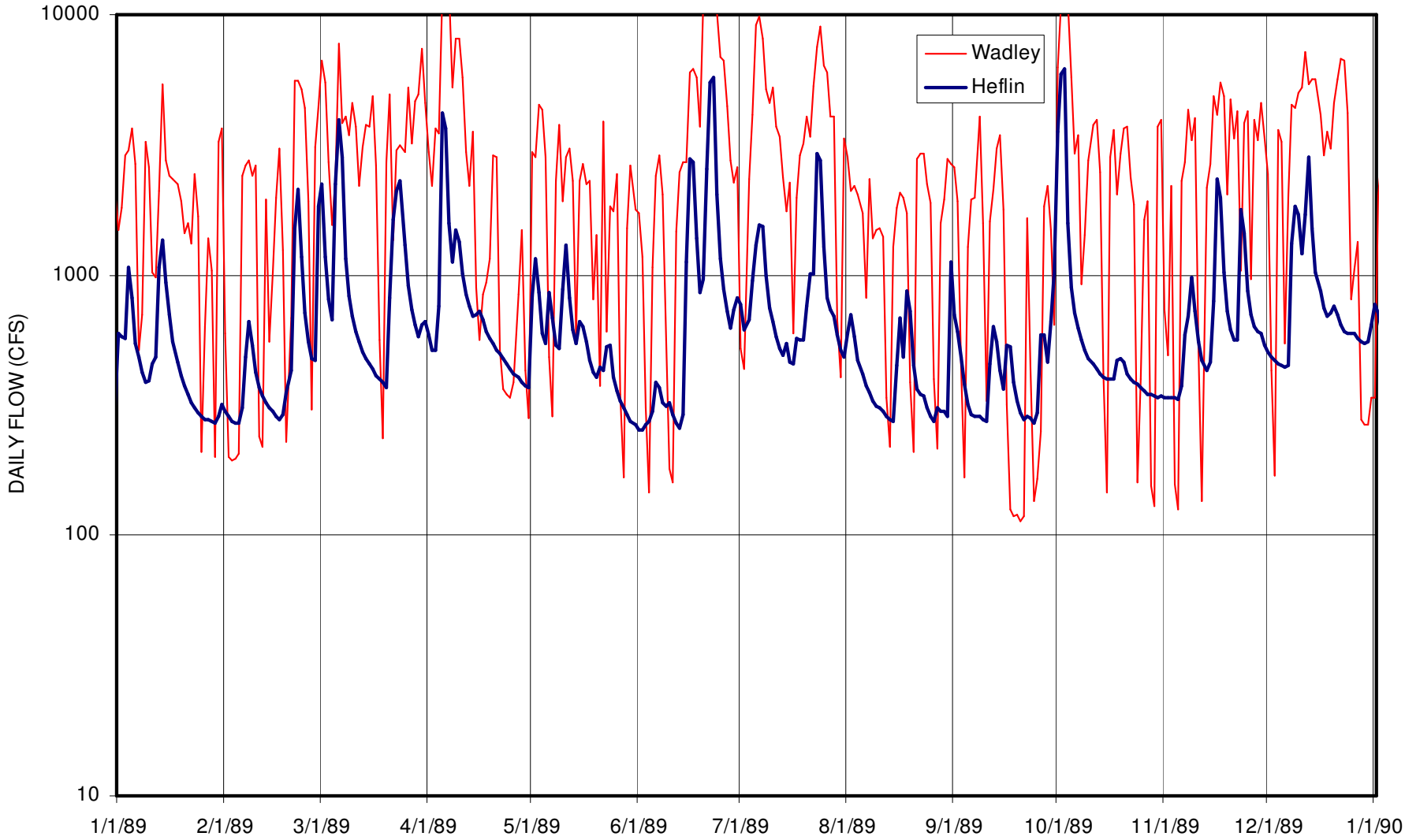

HEFLIN GAUGE
RM 186.62
448 SQ MI
R L HARRIS DAM
RM 139.10
1,453 SQ MI
WADLEY GAUGE
RM 125.33
1,675 SQ MI

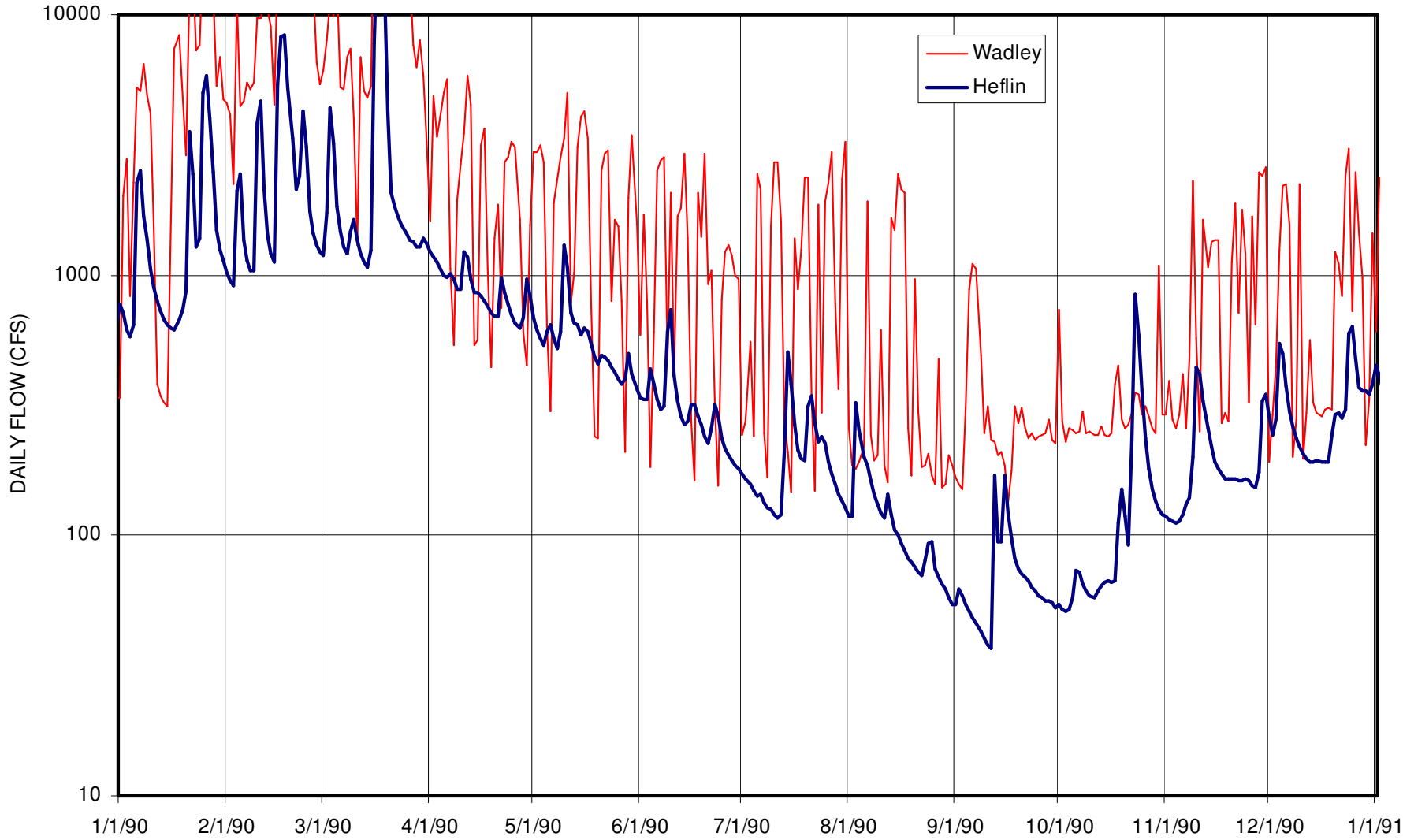
COMPARISON OF WADLEY AND HEFLIN GAUGES



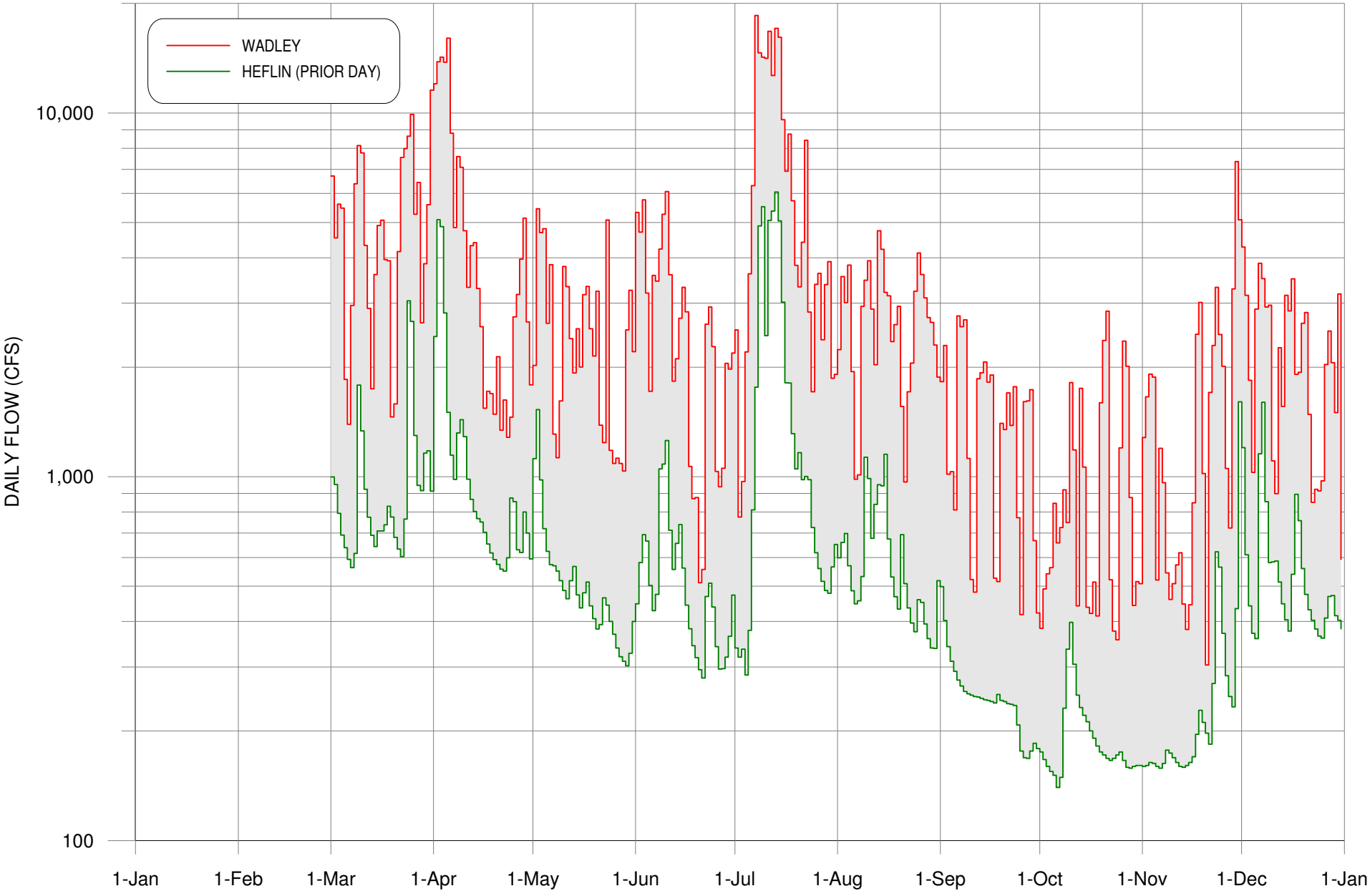
COMPARISON OF WADLEY AND HEFLIN GAUGES



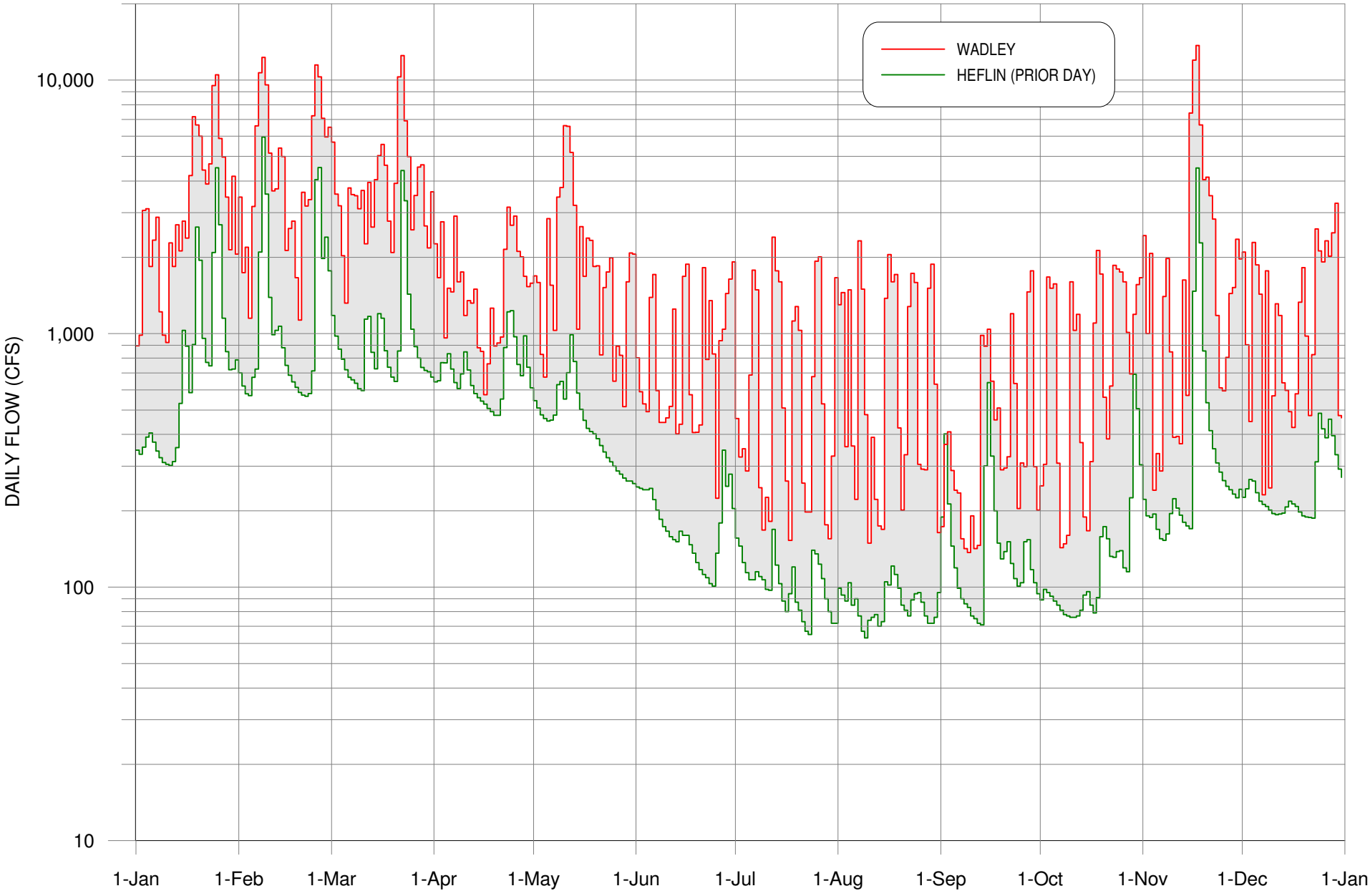
COMPARISON OF WADLEY AND HEFLIN GAUGES



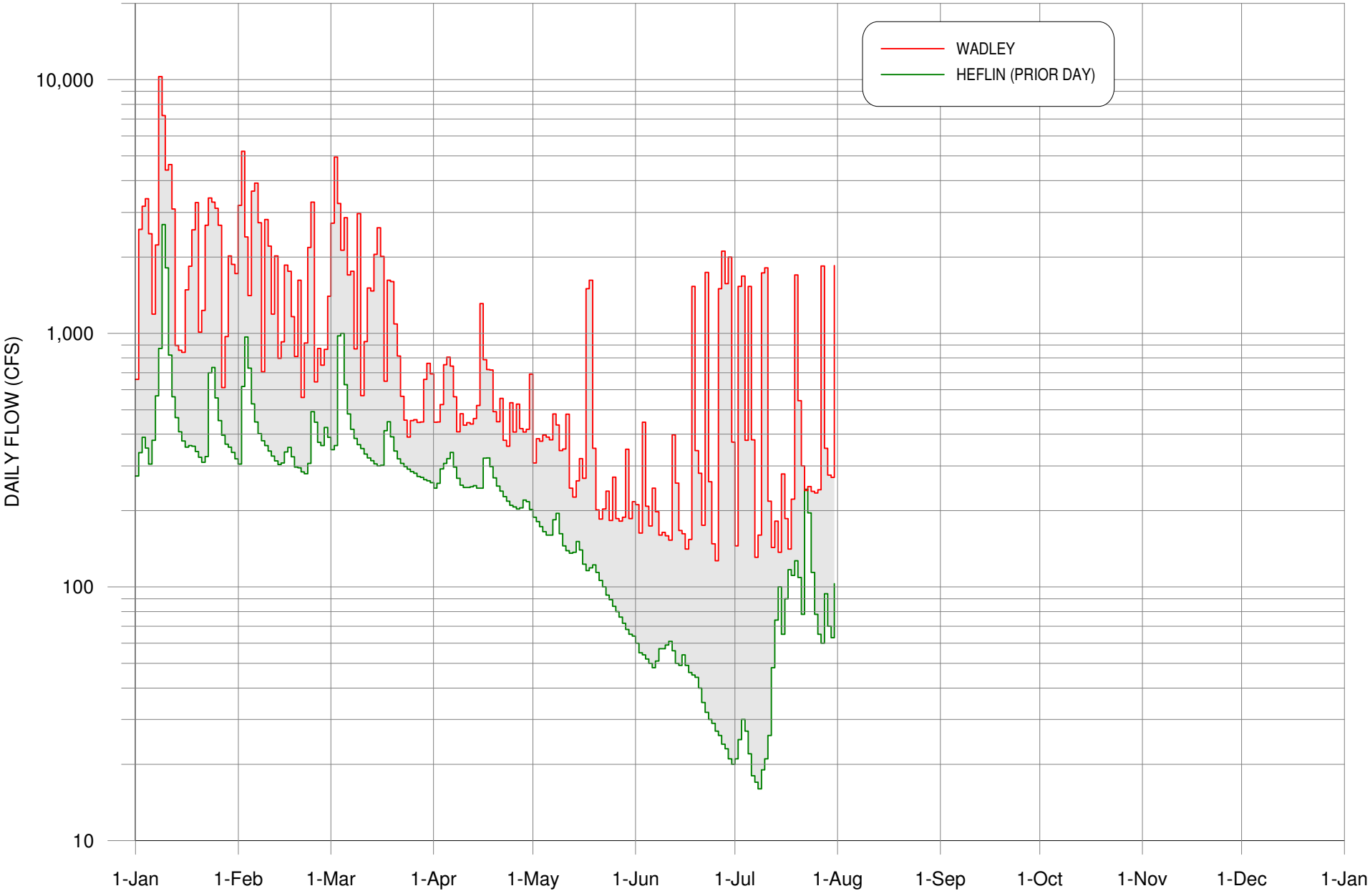
MIDDLE TALLAPOOSA RIVER DAILY FLOWS FOR 2005



MIDDLE TALLAPOOSA RIVER DAILY FLOWS FOR 2006



MIDDLE TALLAPOOSA RIVER DAILY FLOWS FOR 2007



PULSE OPERATIONS

NON PULSING OPERATIONS

SPAWN OPERATIONS

FLOOD OPERATIONS

R L HARRIS MINIMUM FLOW

JANUARY 2005

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FEBRUARY 2005

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PULSE OPERATIONS

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SEPTEMBER 2006

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OCTOBER 2006

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NOVEMBER 2006

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R L HARRIS RELEASE CRITERIA – *Effective March 1, 2005*

1. Daily Release Schedule
   - ✓ a. The required Daily Volume Release will be at least 75% of the prior day's flow at the USGS Heflin Gauge.
   - N/A b. In the event that the Heflin Gauge is not in service, the required Daily Volume Release will be at least one-fourth of the previous day's inflow into R L Harris Reservoir.
   - ✓ c. The Daily Volume Release will not to be below 100 DSF.
   - ✓ d. Operations to ensure that flows at Wadley remain above the 45 cfs minimum mark shall continue.
   - N/A e. The required Daily Volume Release will be suspended if R L Harris is engaged in flood control operations.
   - N/A f. The required Daily Volume Release will be suspended if it jeopardizes the ability to fill R L Harris.
2. Hourly Release Schedule
   - ✓ a. If less than two machine hours are scheduled for a given day, then the generation will be scheduled as follows:
     - i. One-fourth of the generation will be scheduled at 6 AM.
     - ii. One-fourth of the generation will be scheduled at 12 Noon.
     - iii. One-half of the generation will be scheduled for the peak load.
     - iv. If the peak load is during the morning, one-fourth of the generation will be scheduled at 6 PM.
   - ✓ b. If two to four machine hours are scheduled for a given day, then generation will be scheduled as follows:
     - i. Thirty minutes of generation will be scheduled at 6 AM.
     - ii. Thirty minutes of generation will be scheduled at 12 Noon.
     - iii. The remaining generation will be scheduled for the peak load.
     - iv. If the peak load is during the morning, thirty minutes of the generation will be scheduled at 6 PM.
3. Two Unit Operation
   - ✓ a. On the average, there will be more than 30 minutes between the start times between the two units.
   - ✓ b. Two units may come online with less than 30 minute difference in their start times if there is a system emergency need.
4. Spawning Windows
   - ✓ Spring and Fall spawning windows will scheduled as conditions permit. The operational criteria during spawning windows will supersede the above criteria.

USGS

USGS 02414500 TALLAPOOSA RIVER AT WADLEY AL