APPENDIX 1 – Model Output – Key Charts for Scenarios 2, 3, 4, 5, and 6

A1.1 Impacts to Stream Flow

A1.1.1 Alabama River near Montgomery, AL

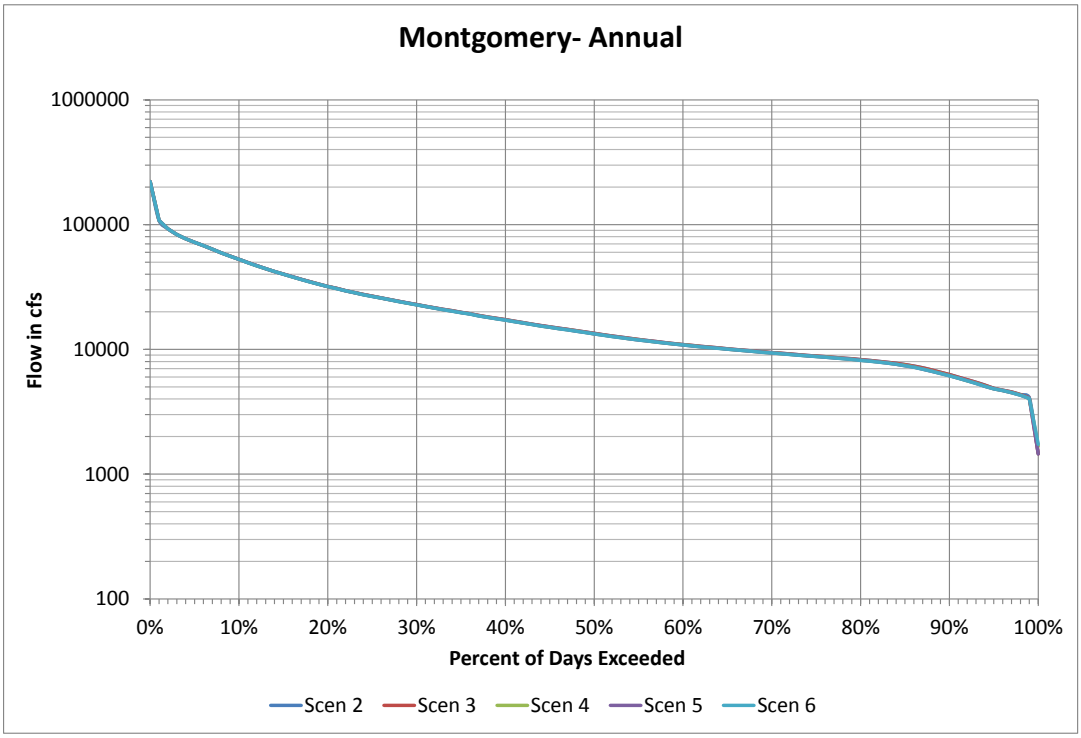

Figure A1-1. Duration curve of flows at Montgomery, AL.

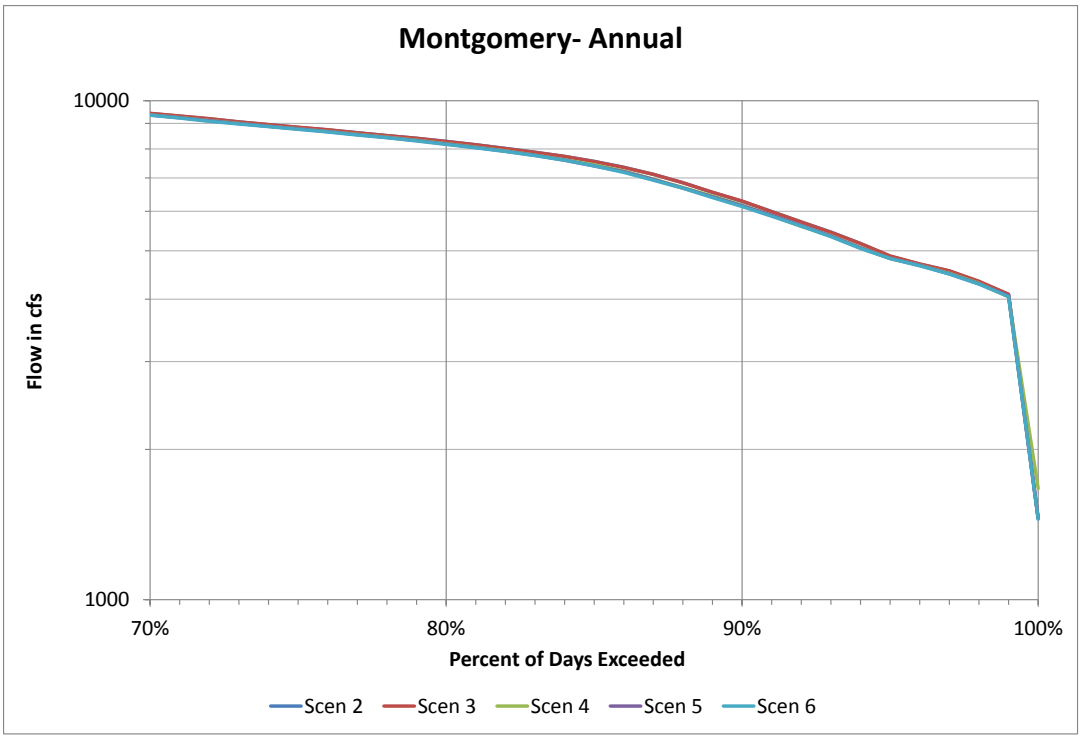

Figure A1-2. Duration curve of flows at Montgomery, AL, lowest 30% of flows.

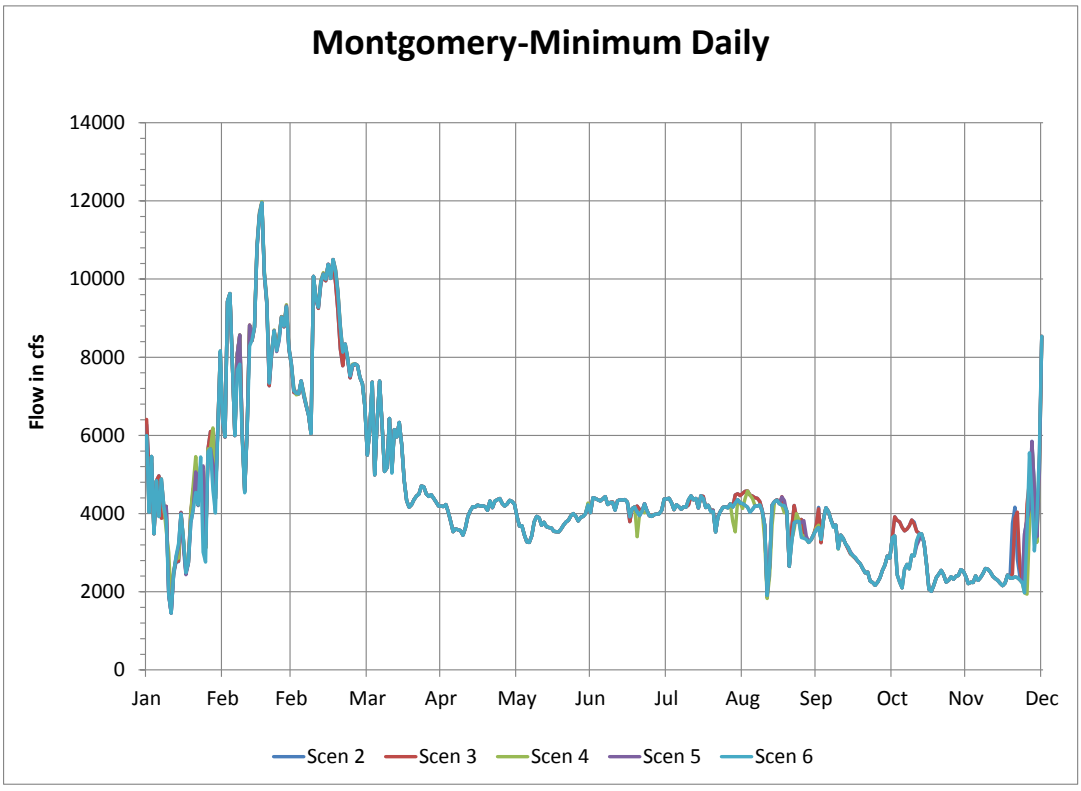

Figure A1-3. Minimum daily flows at Montgomery, AL

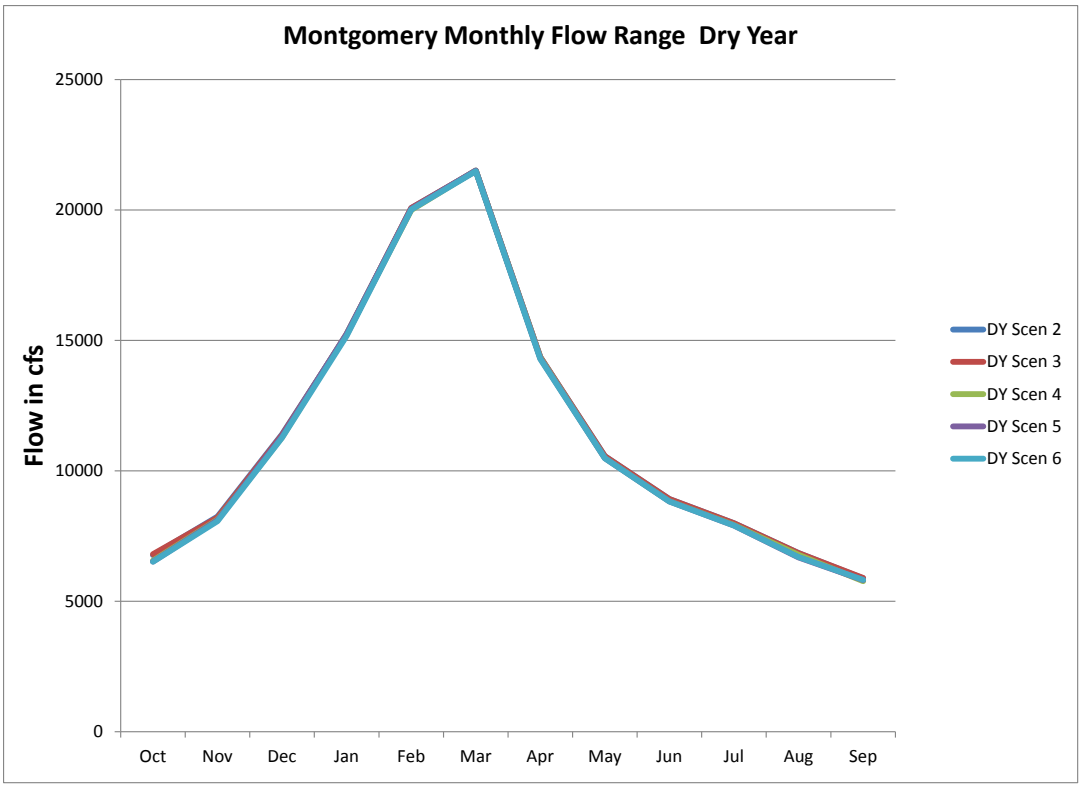

Figure A1-4. Monthly Flow Range at "Dry" level (lowest 25%) at Montgomery, AL.

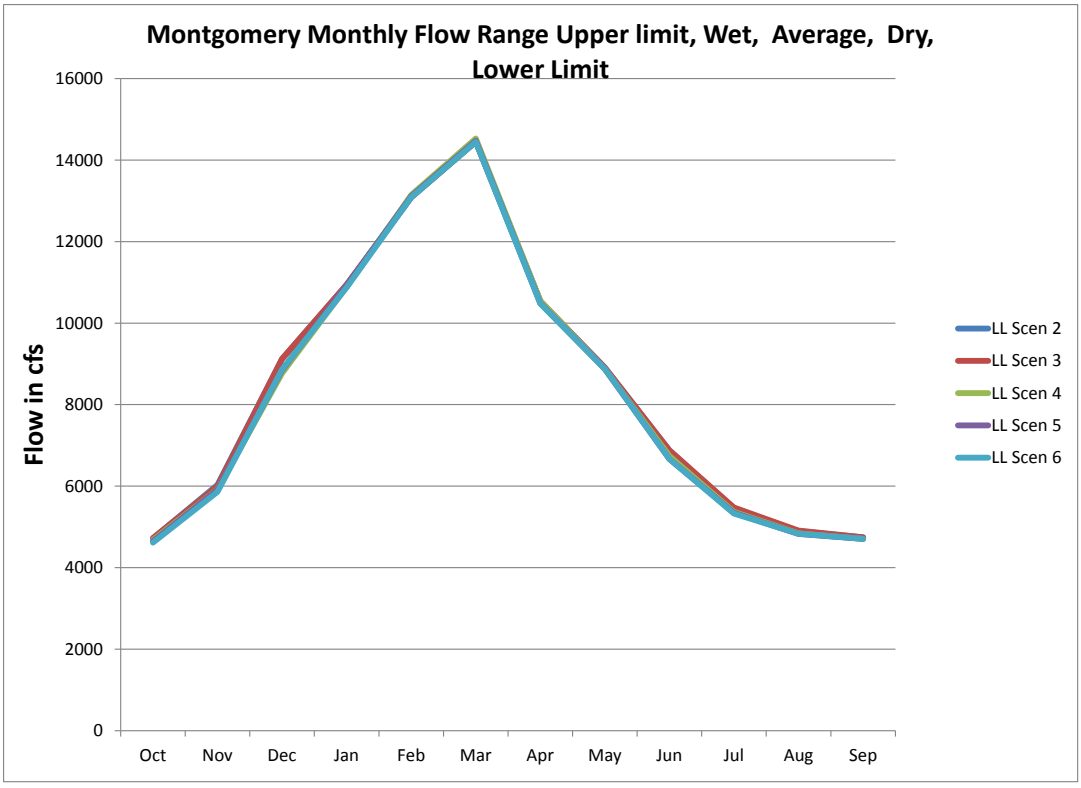

Figure A1-5. Monthly Flow Range at "Lower Limit" level (lowest 10%) at Montgomery, AL.

A1.1.2 Etowah River near Lake Allatoona

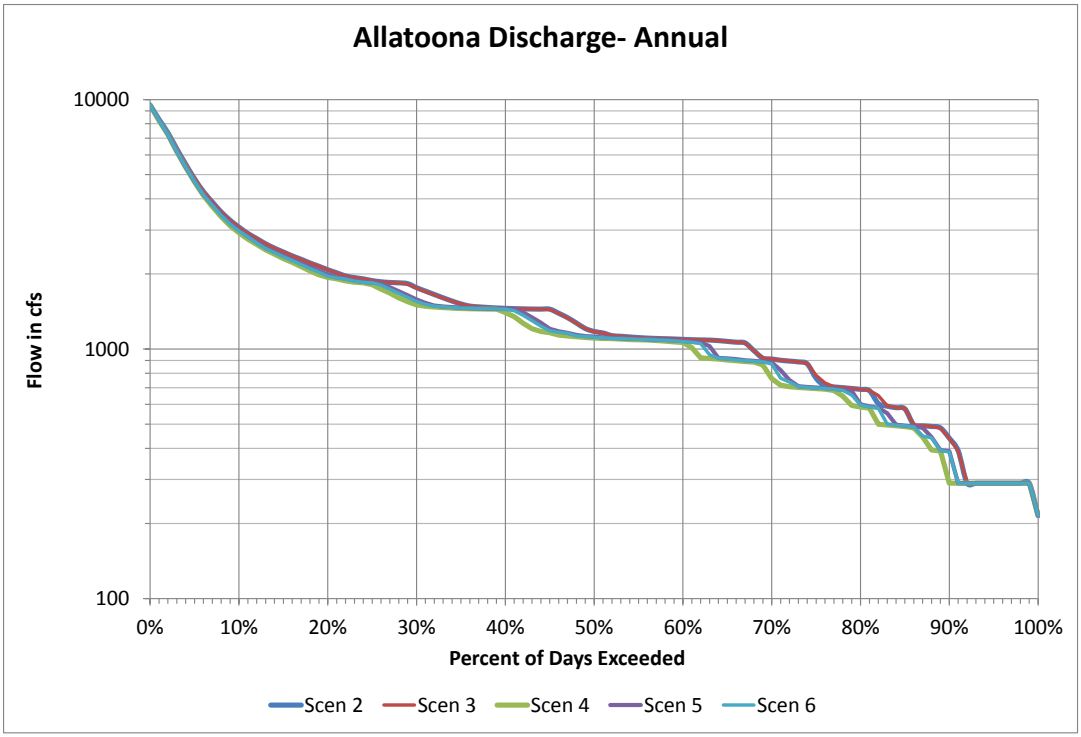

Figure A1-6. Duration curve of flows at Allatoona.

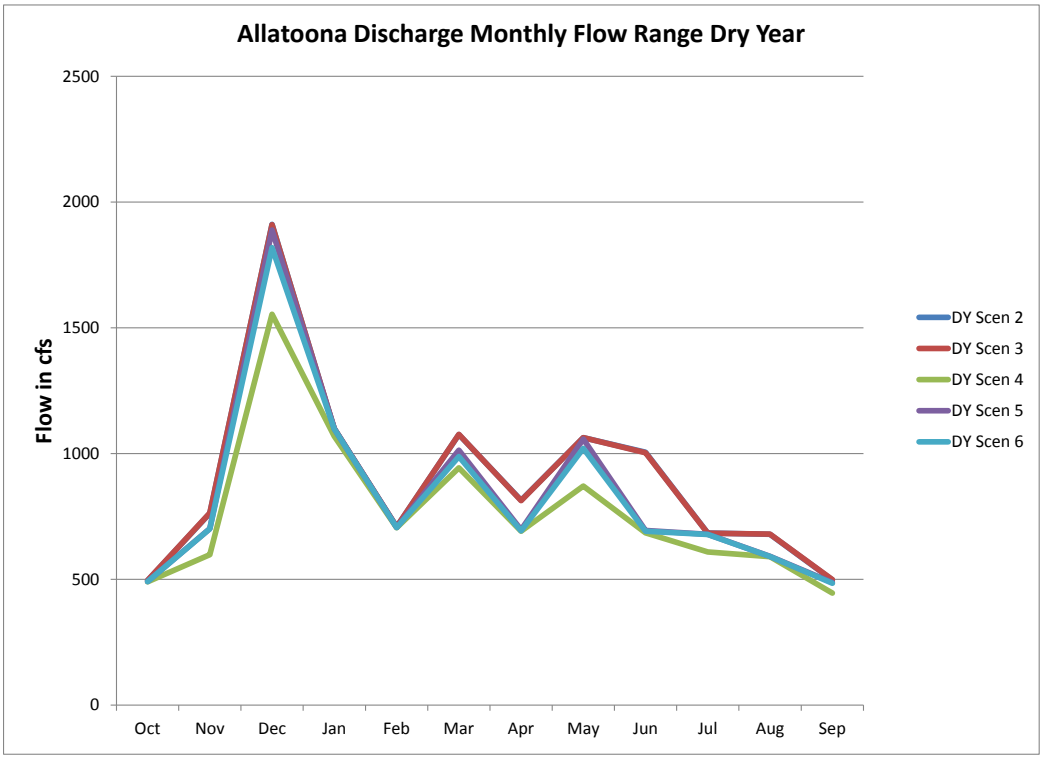

Figure A1-7. Monthly Flow Range at "Dry" level (lowest 25%) at Allatoona.

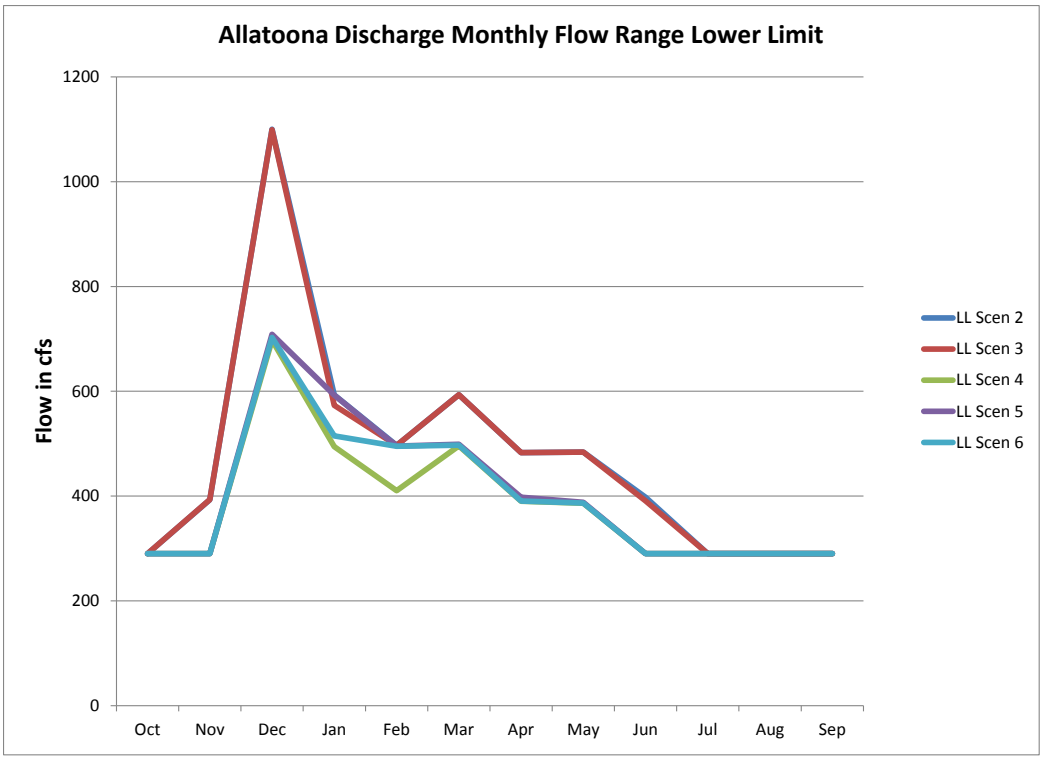

Figure A1-8. Monthly Flow Range at "Lower Limit" level (lowest 10%) at Allatoona.

A1.1.3 Coosa River near Rome, GA

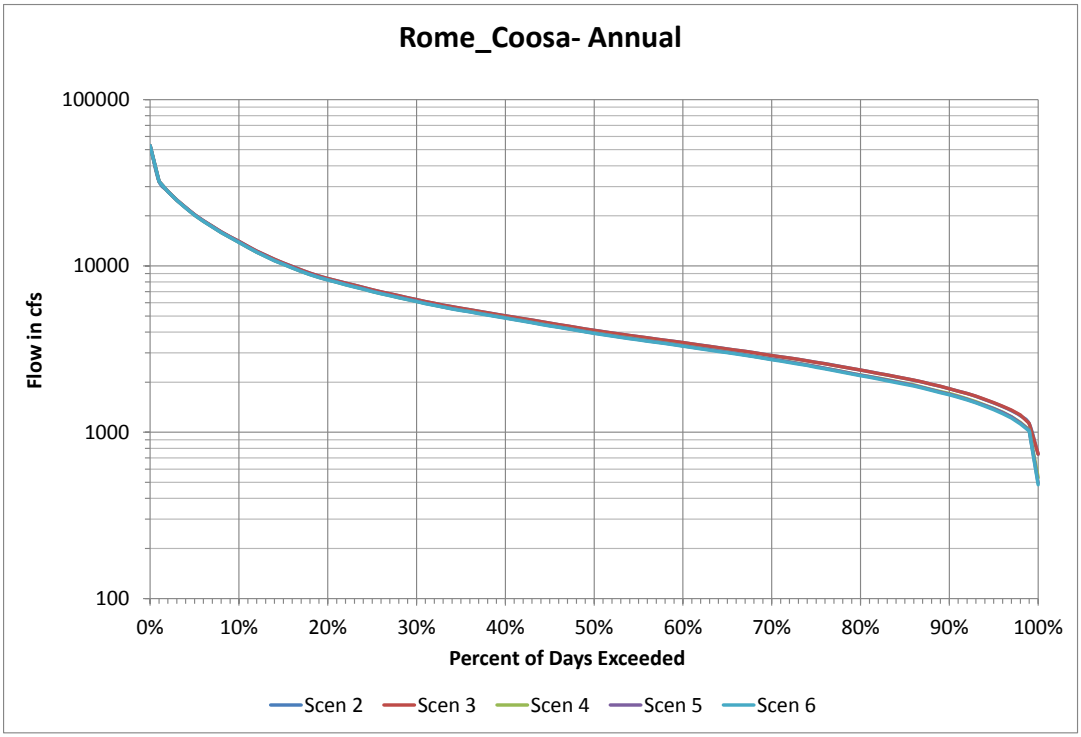

Figure A1-9. Duration curve of flows at Rome Coosa.

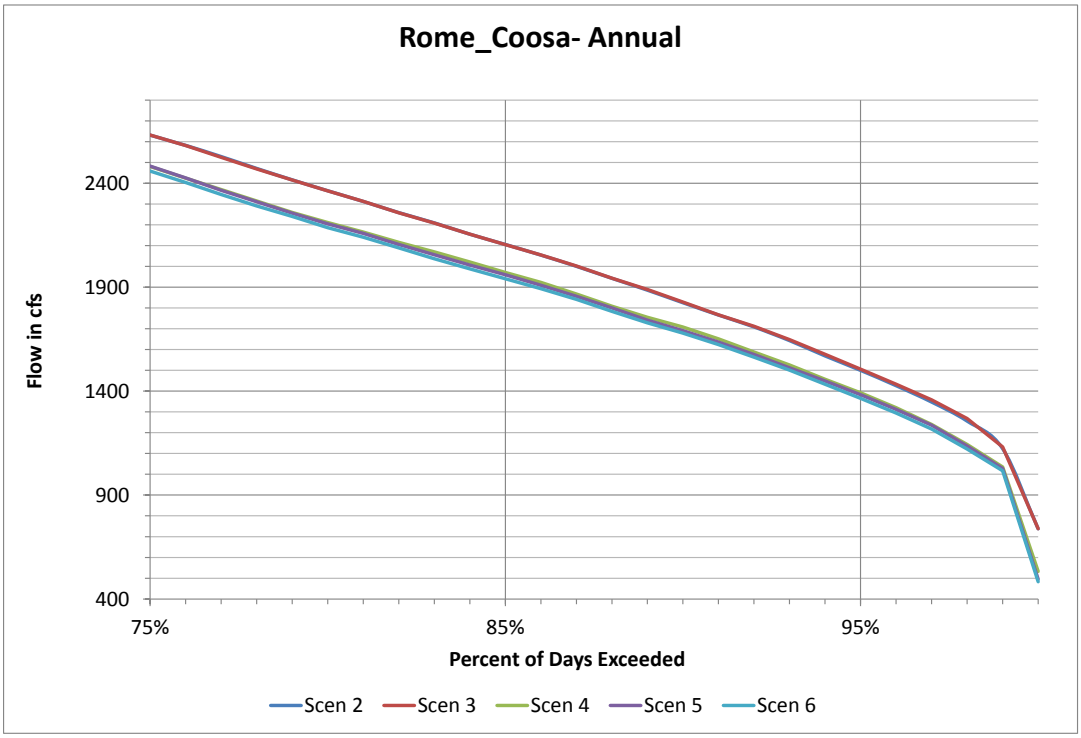

Figure A1-10. Duration curve of flows at Rome Coosa, lowest 25% of flows.

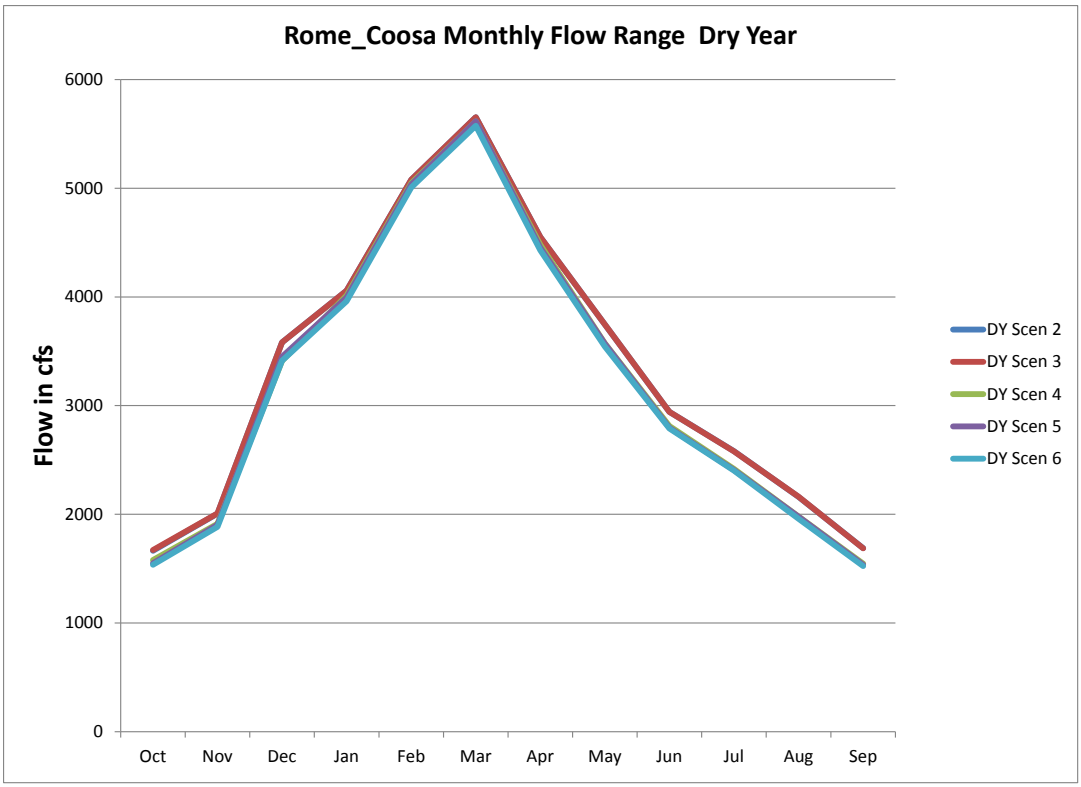

Figure A1-11. Monthly Flow Range at "Dry" level (lowest 25%) at Rome Coosa.

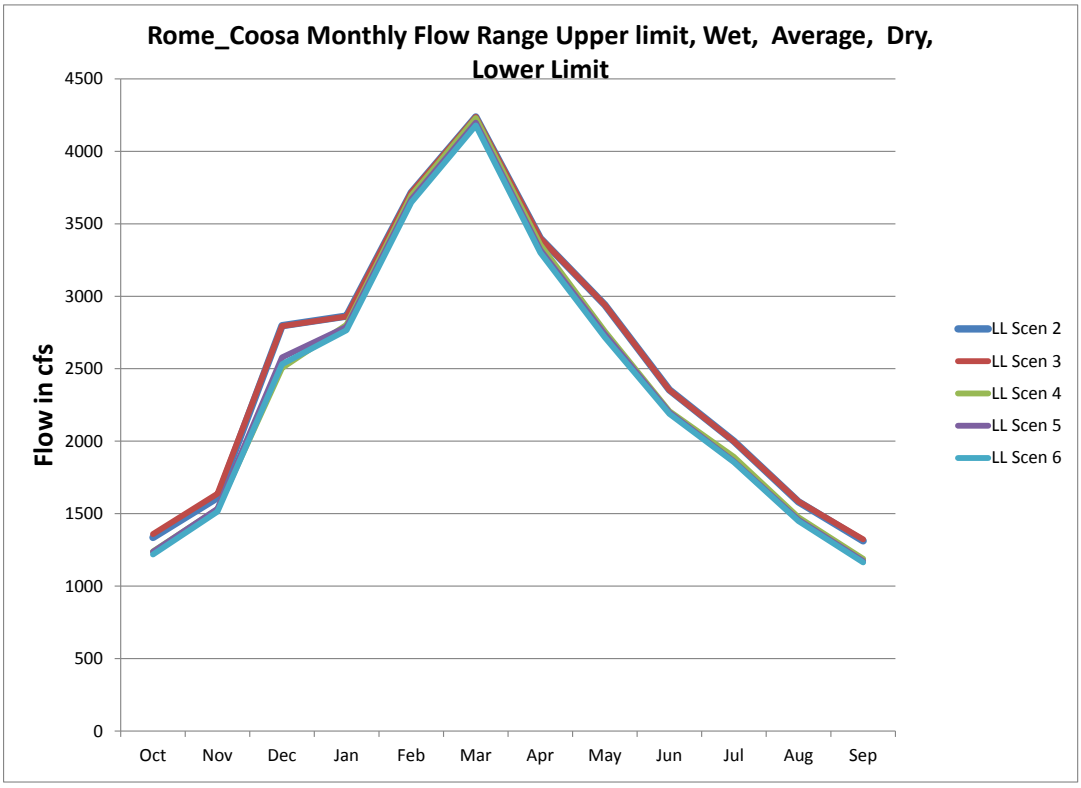

Figure A1-12. Monthly Flow Range at "Lower Limit" level (lowest 10%) at Rome Coosa.

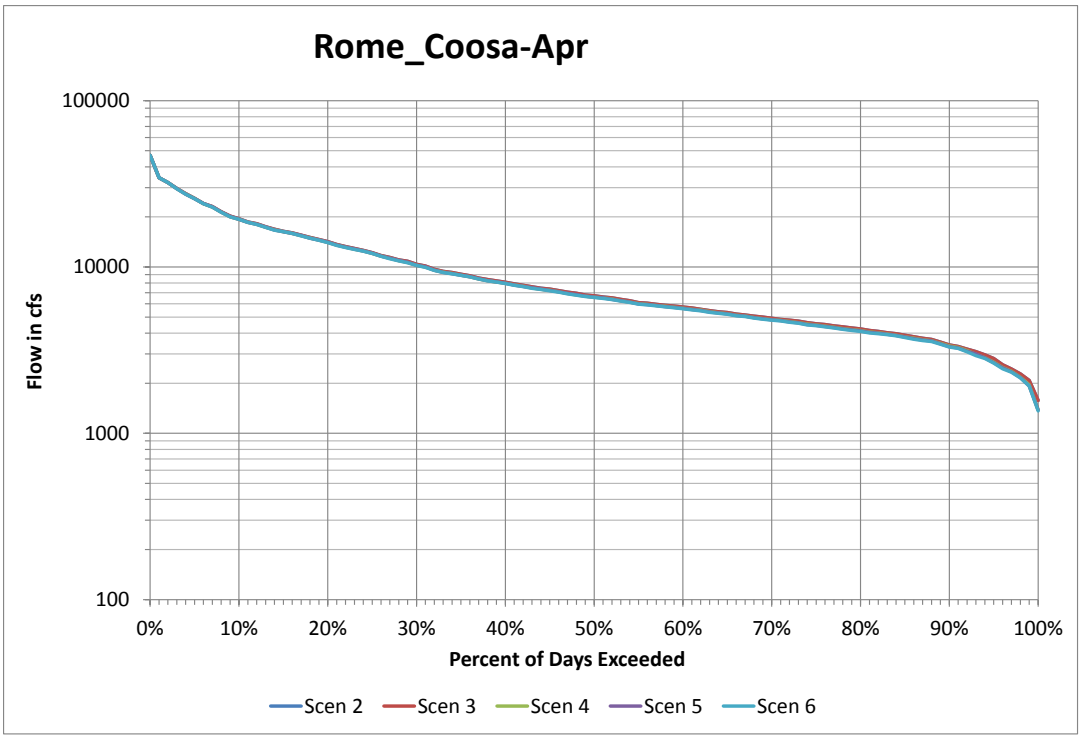

Figure A1-13. Duration curve of flows in April at Rome Coosa.

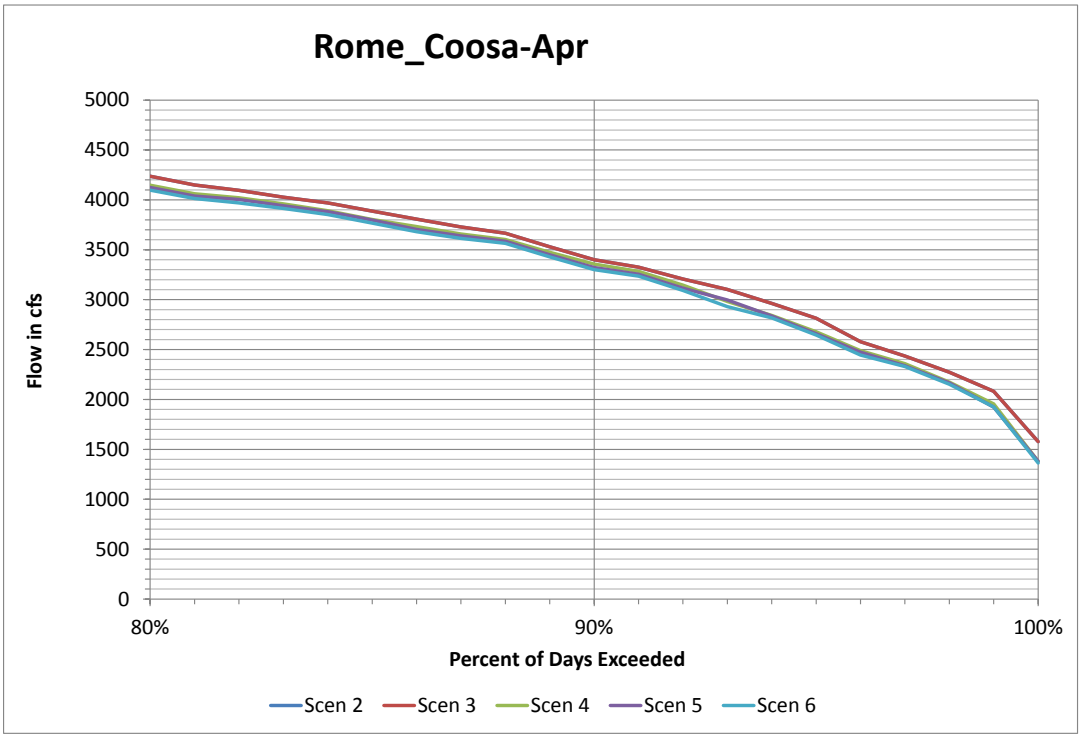

Figure A1-14. Duration curve of flows in April at Rome Coosa, lowest 20% of flows.

A1.1.4 Tallapoosa River near Wadley, AL

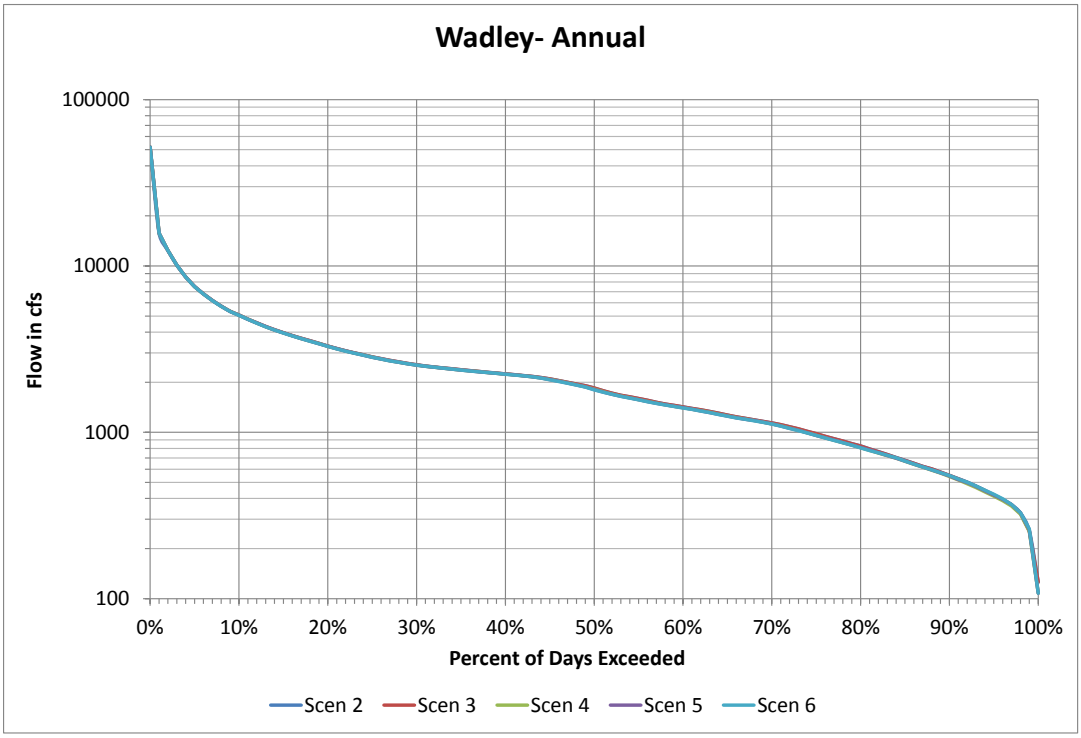

Figure A1-15. Duration curve of flows at Wadley.

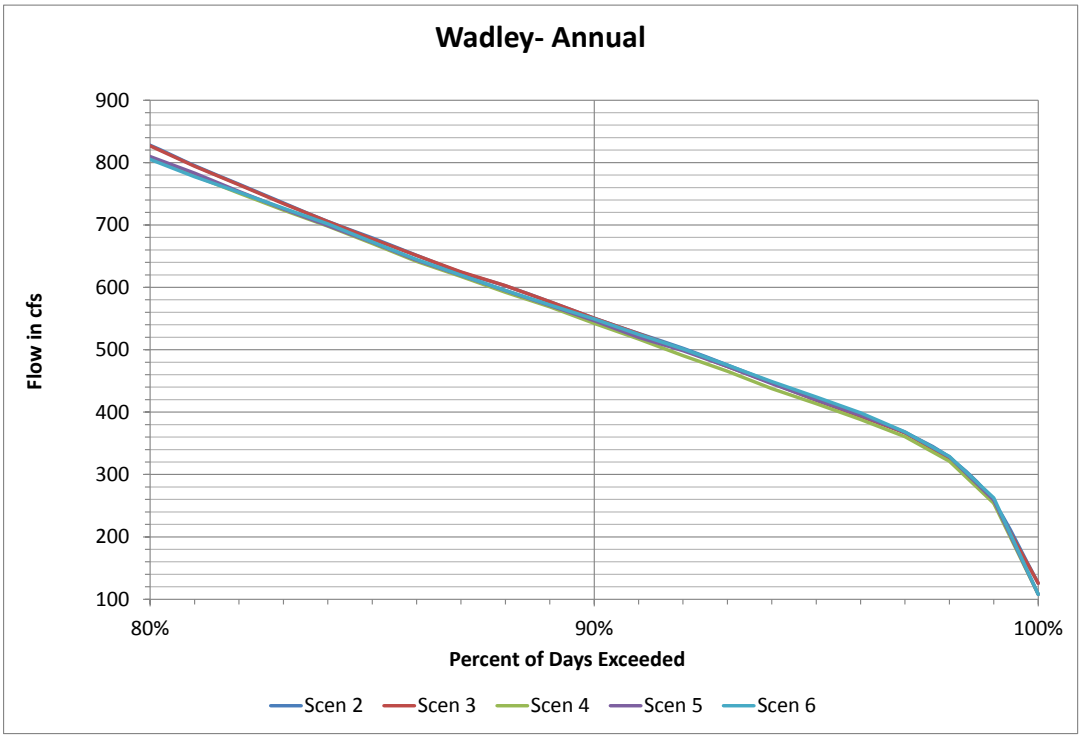

Figure A1-16. Duration curve of flows at Wadley, lowest 20% of flows.

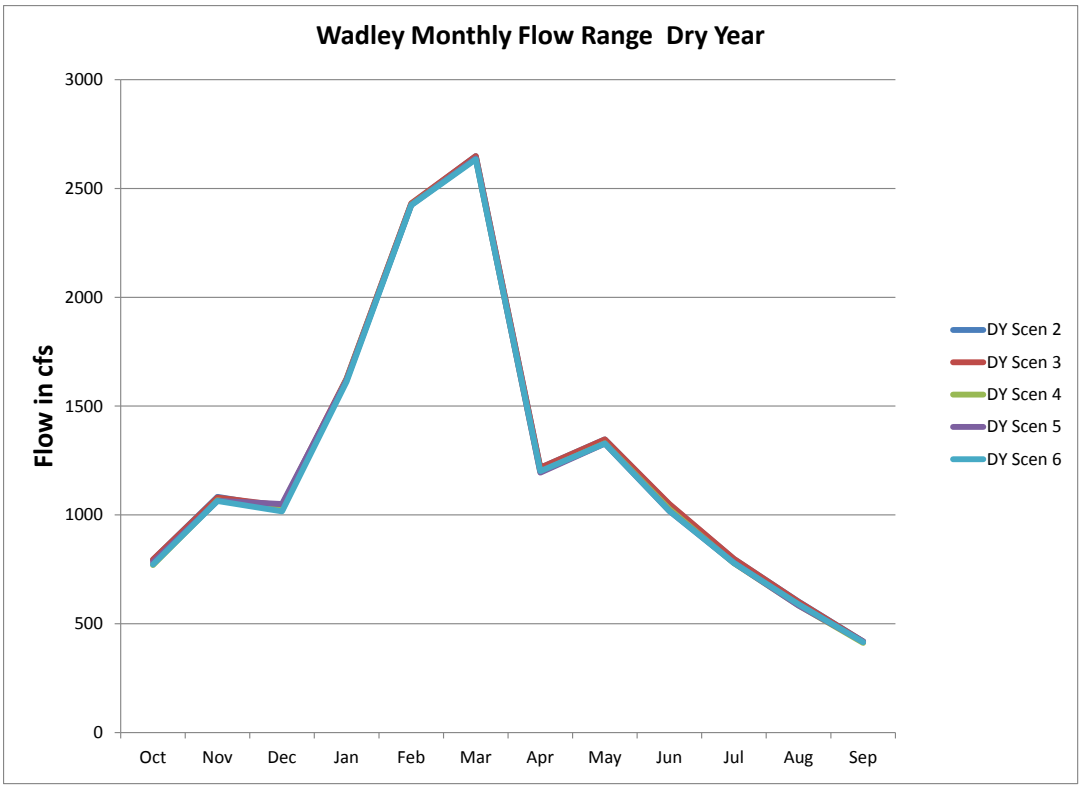

Figure A1-17. Monthly Flow Range at "Dry" level (lowest 25%) at Wadley.

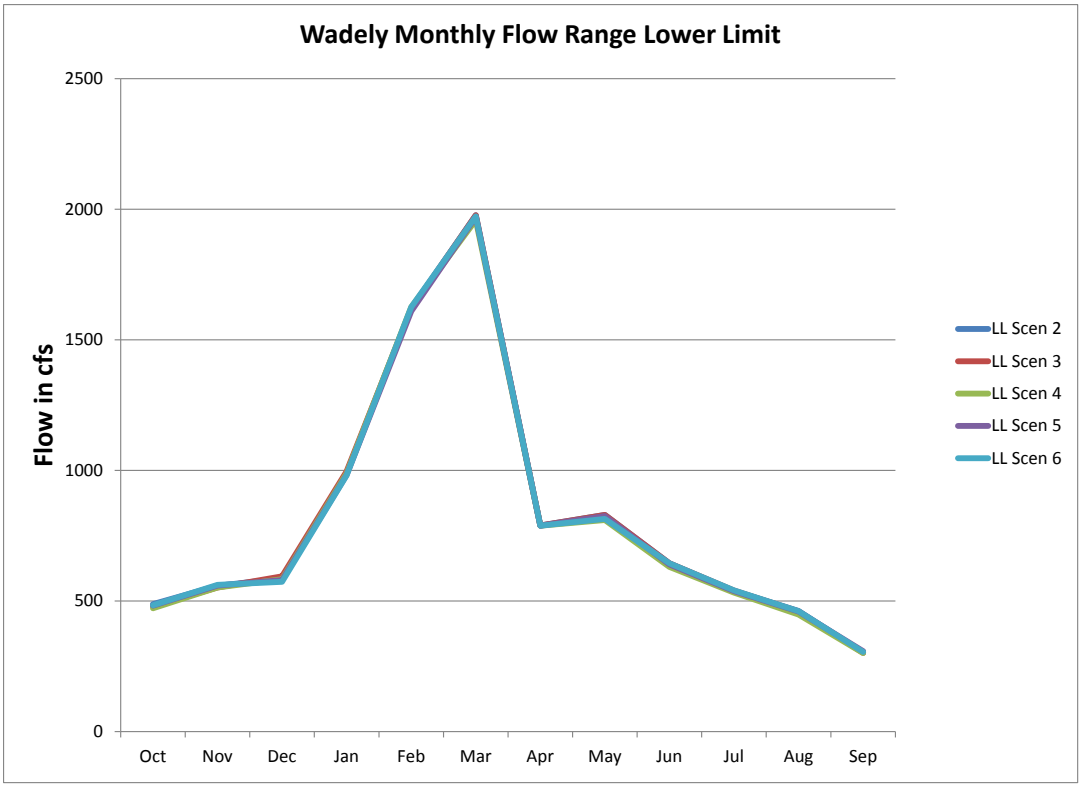

Figure A1-18. Monthly Flow Range at "Lower Limit" level (lowest 10%) at Wadley.

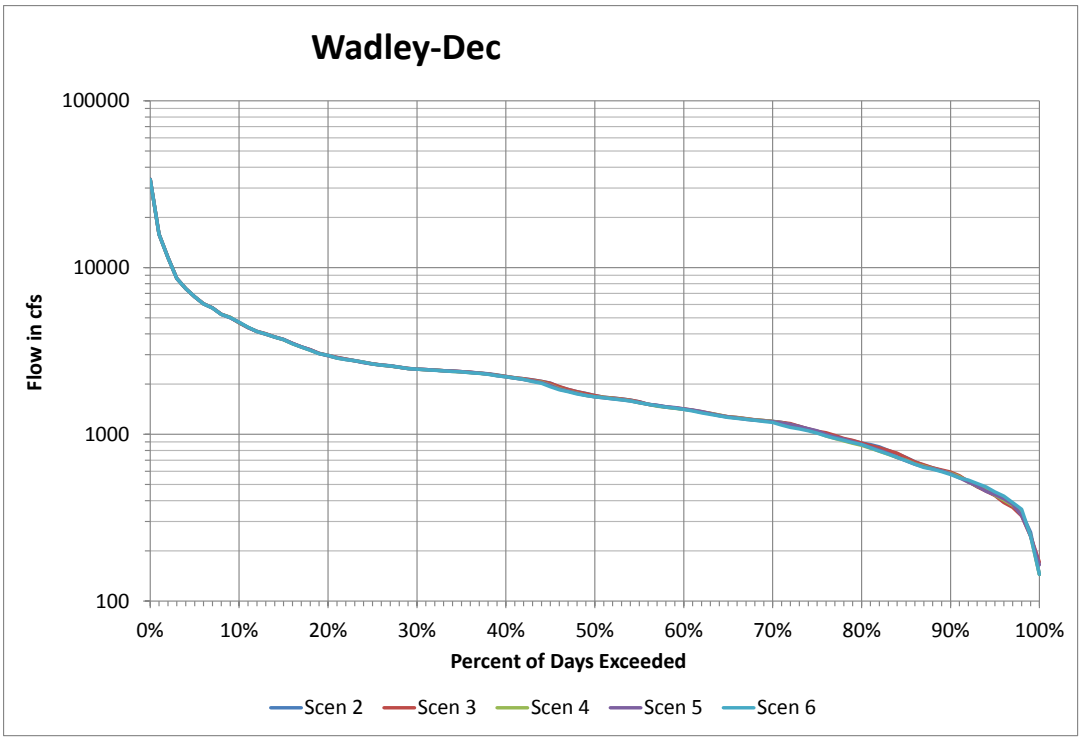

Figure A1-19. Duration curve of flows in December at Wadley.

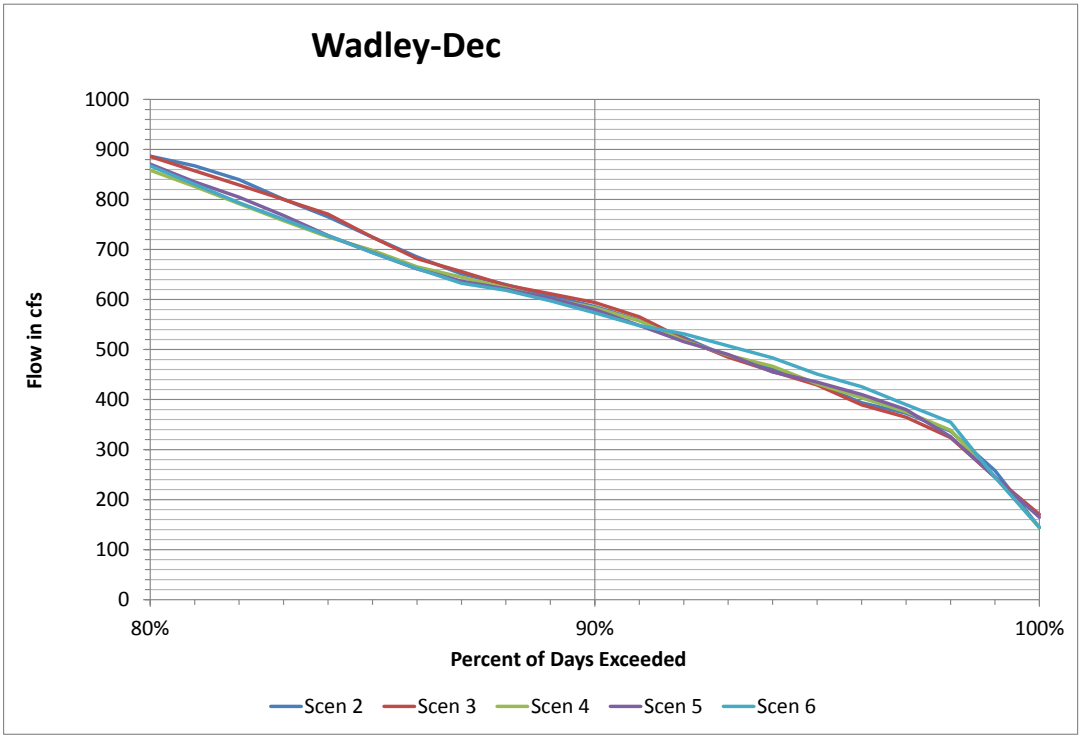

Figure A1-20. Duration curve of flows in December at Wadley, lowest 20% of flows.

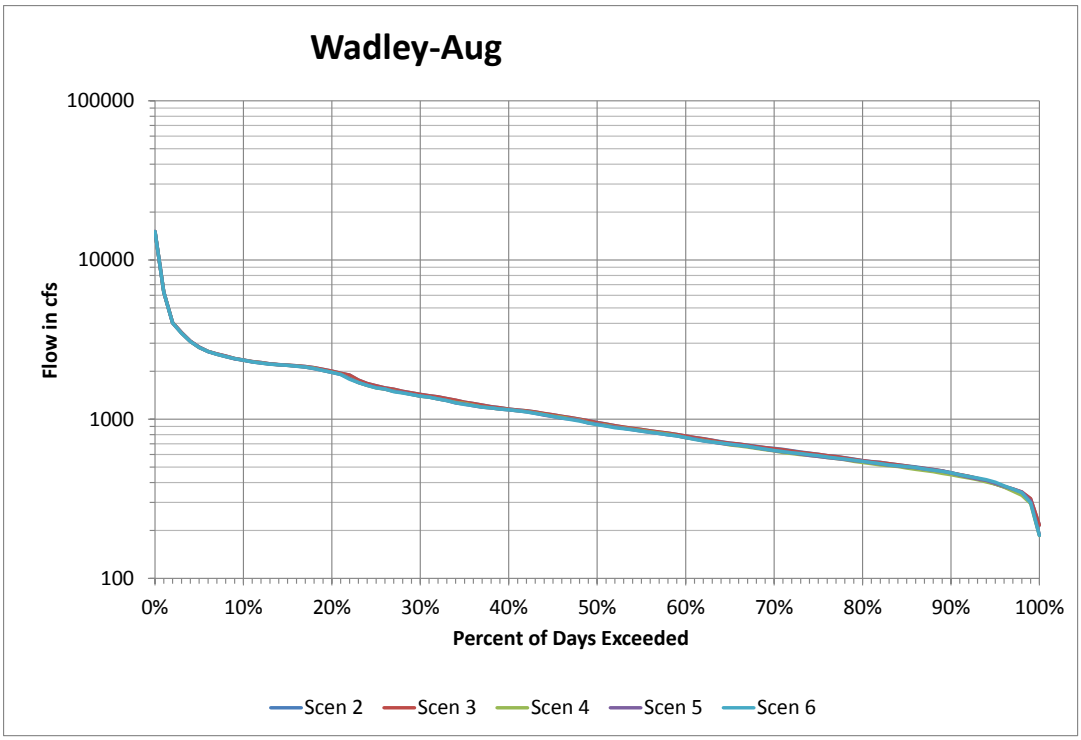

Figure A1-21. Duration curve of flows in August at Wadley.

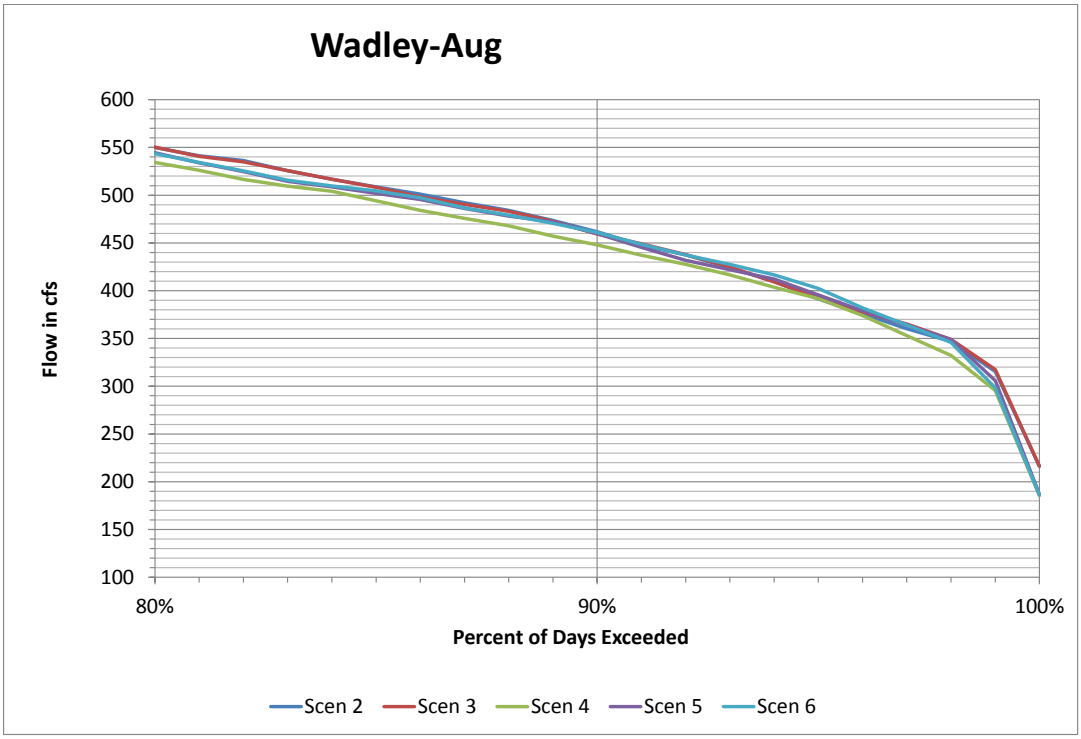

Figure A1-22. Duration curve of flows in August at Wadley, lowest 20% of flows.

A1.2 Impacts to Hydropower

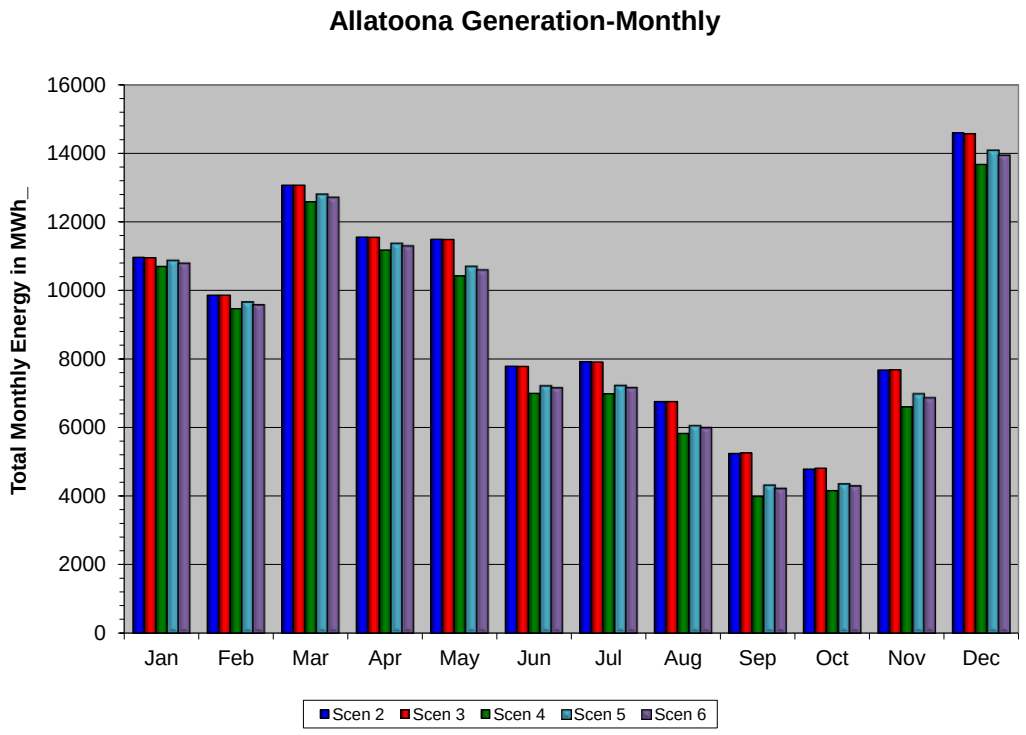

Figure A1-23. Monthly energy generation, Allatoona

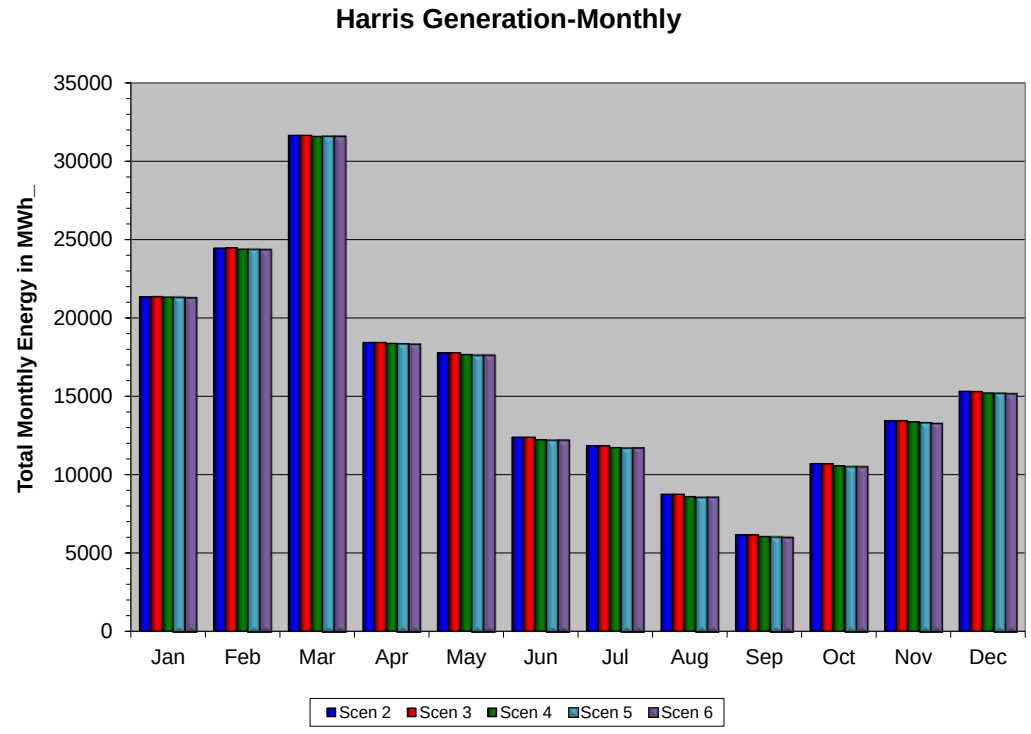

Figure A1-24. Monthly energy generation, Harris

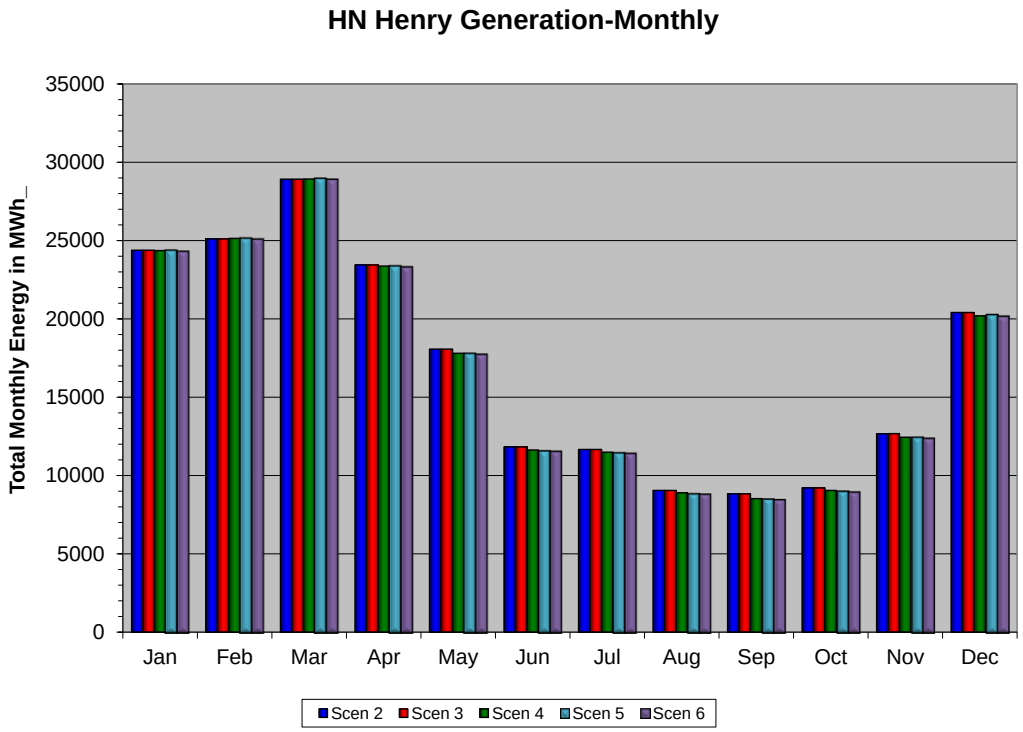

Figure A1-25. Monthly energy generation, H.N. Henry

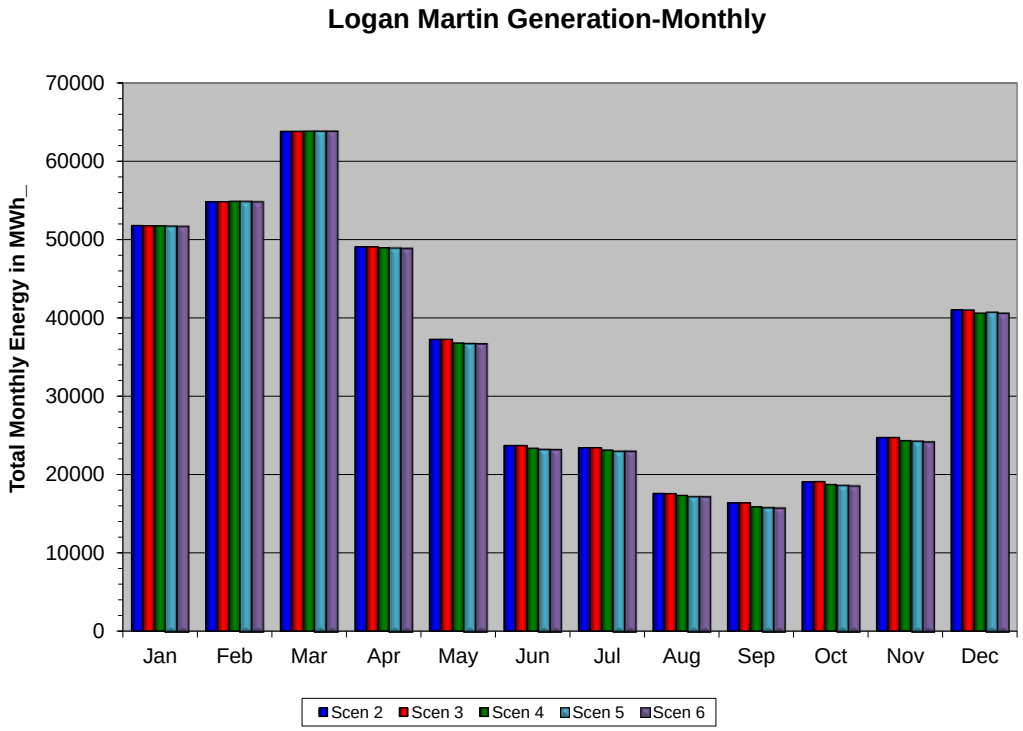

Figure A1-26. Monthly energy generation, Logan Martin

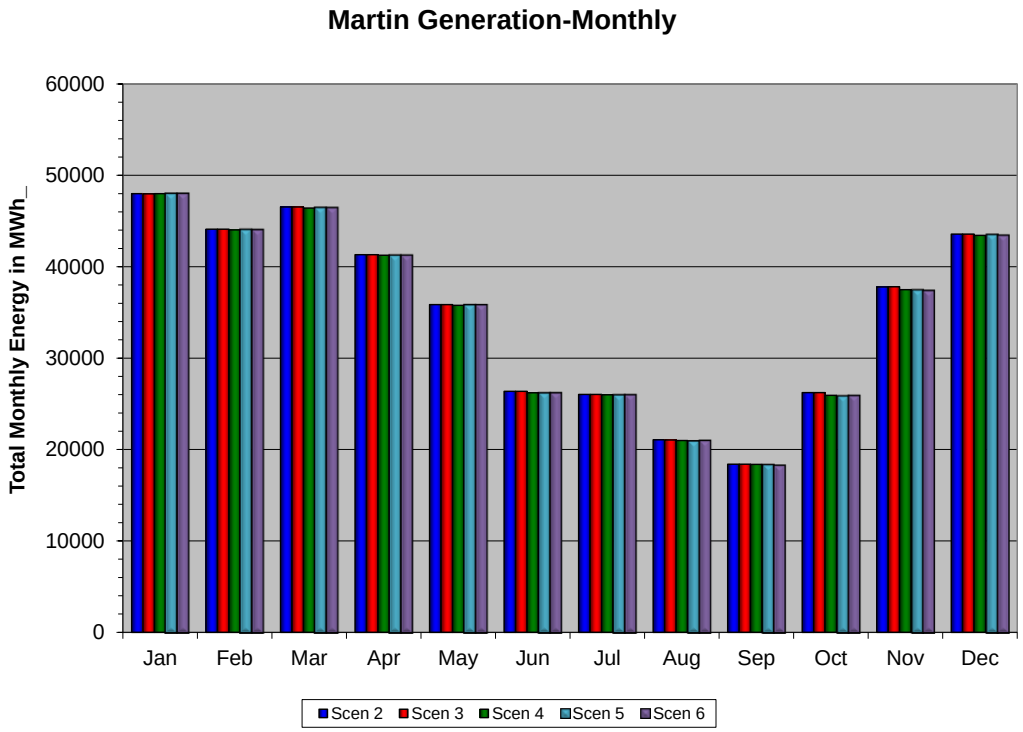

Figure A1-27. Monthly energy generation, Martin

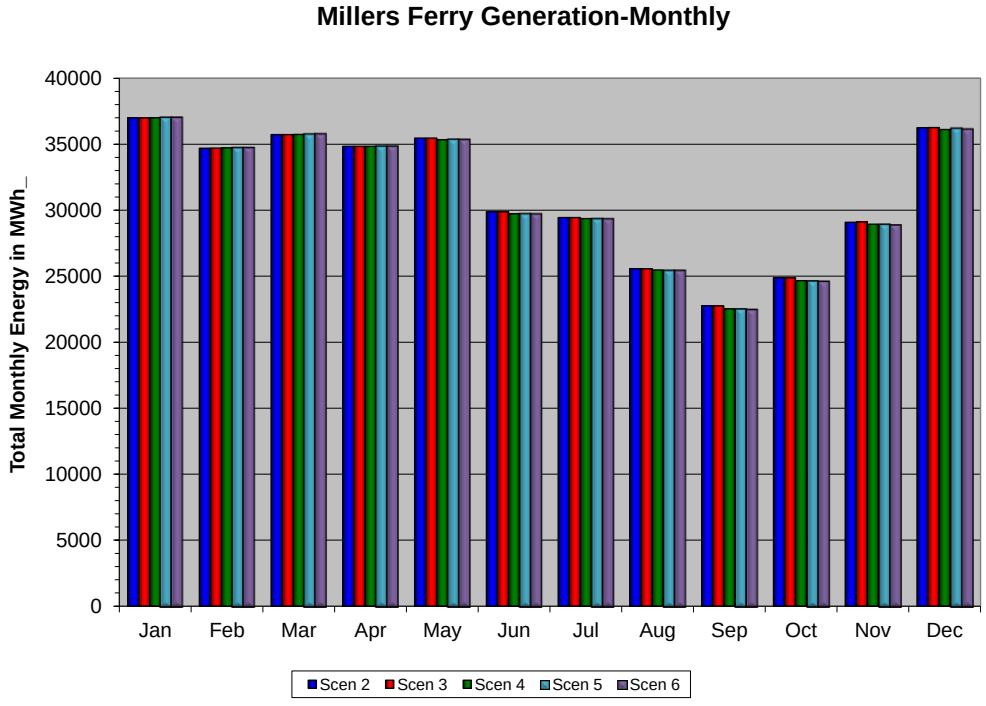

Figure A1-28. Monthly energy generation, Millers Ferry

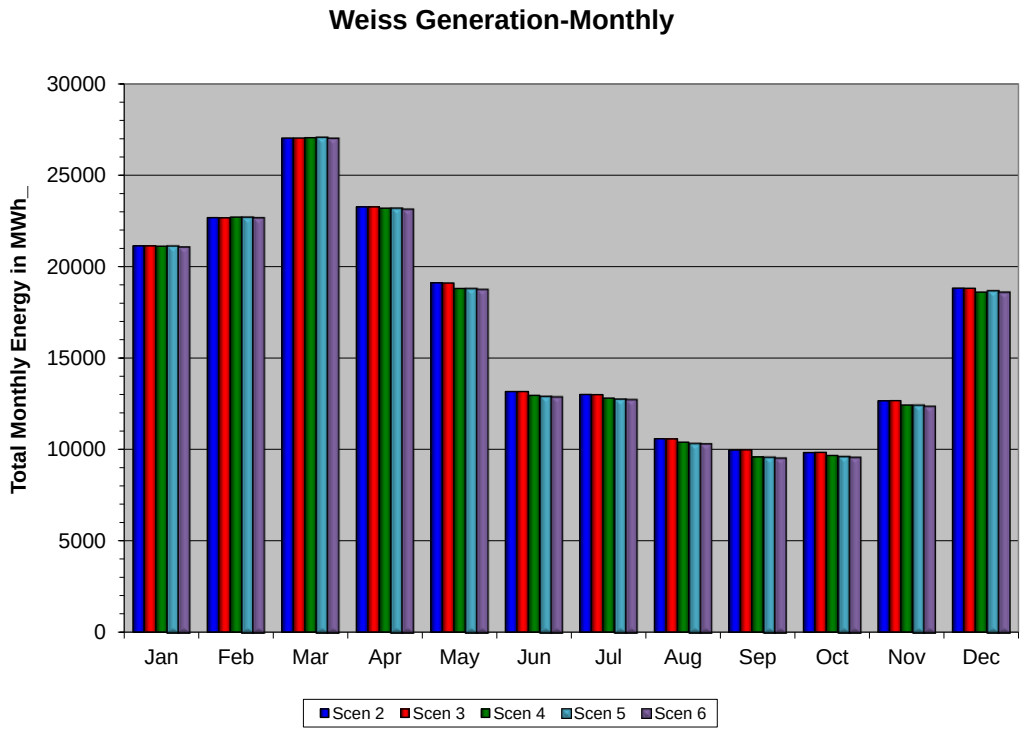

Figure A1-29. Monthly energy generation, Weiss

A1.3 Impacts to Navigation

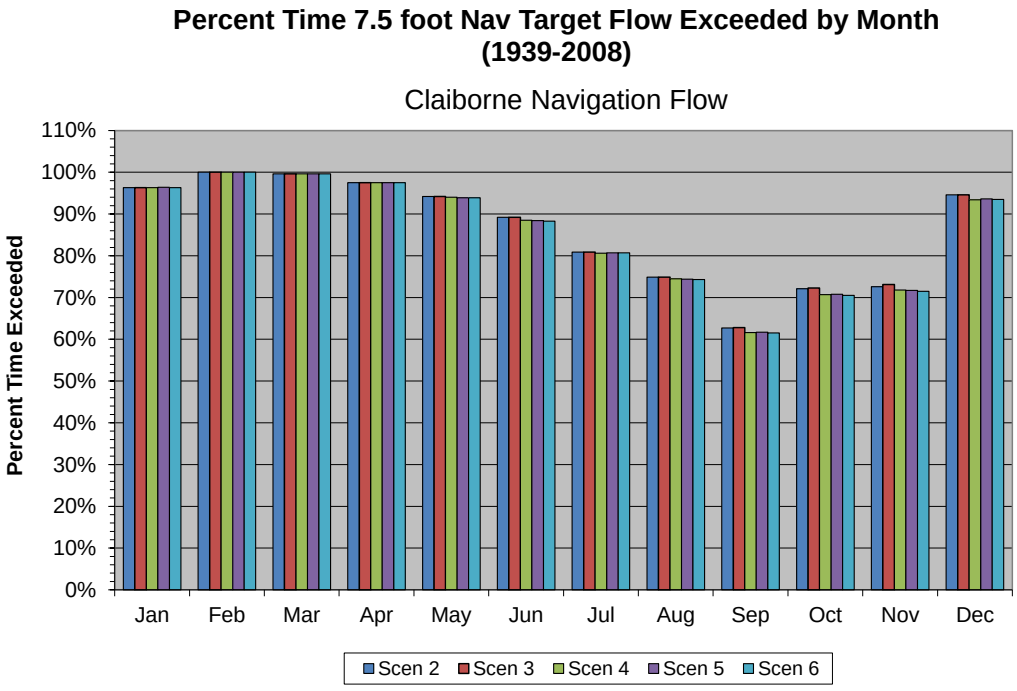

Figure A1-30. Percent of time 7.5 foot navigation target is exceeded by month

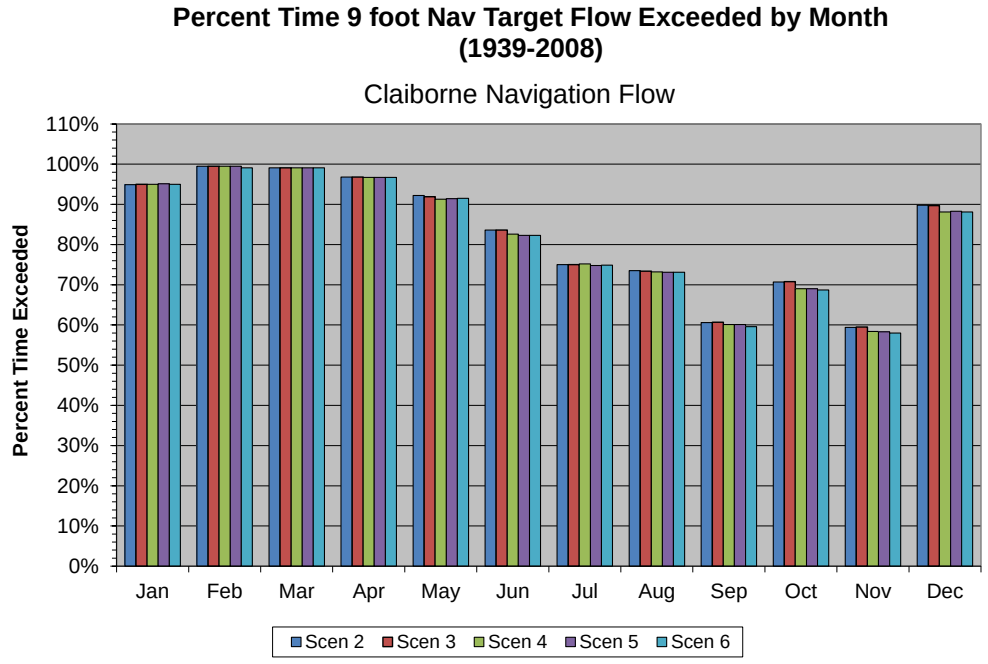

Figure A1-31. Percent of time 9 foot navigation target is exceeded by month

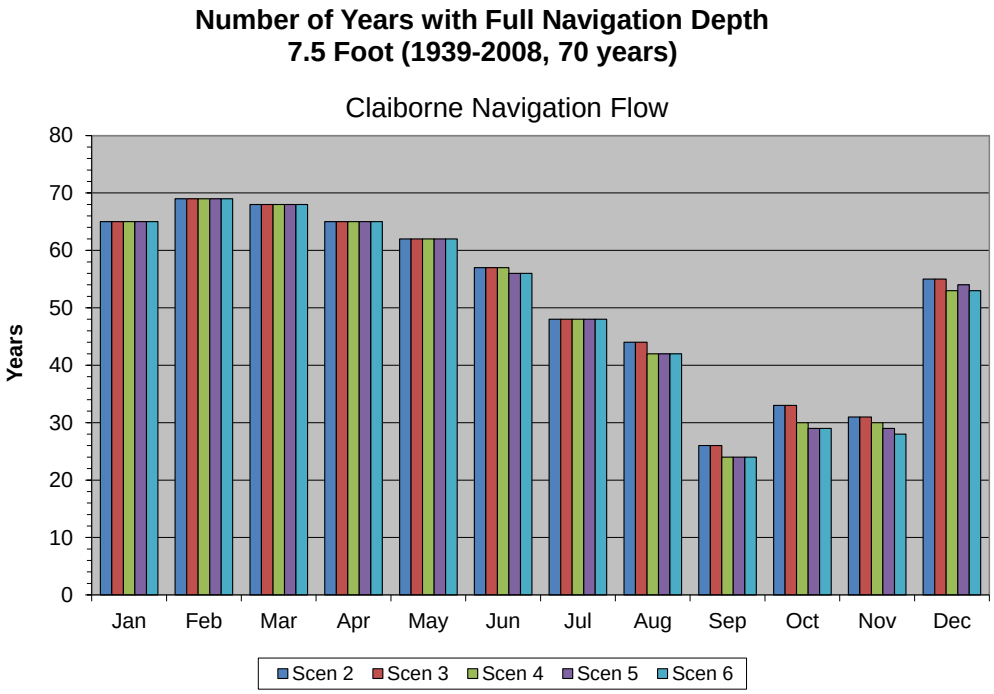

Figure A1-32. Number of years 7.5 foot navigation depth is maintained for the full month

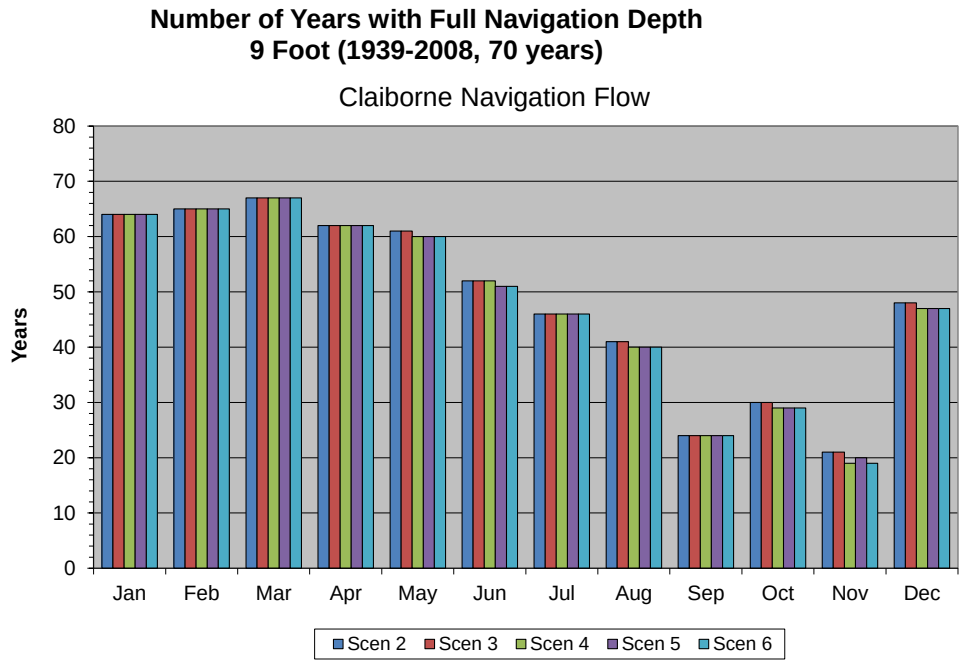

Figure A1-33. Number of years 9 foot navigation depth is maintained for the full month

A1.4 Impacts to Drought Operations

Note: the drought impact spreadsheets were set up to display four runs only; please see the main body of the report for Scenario 6 results.

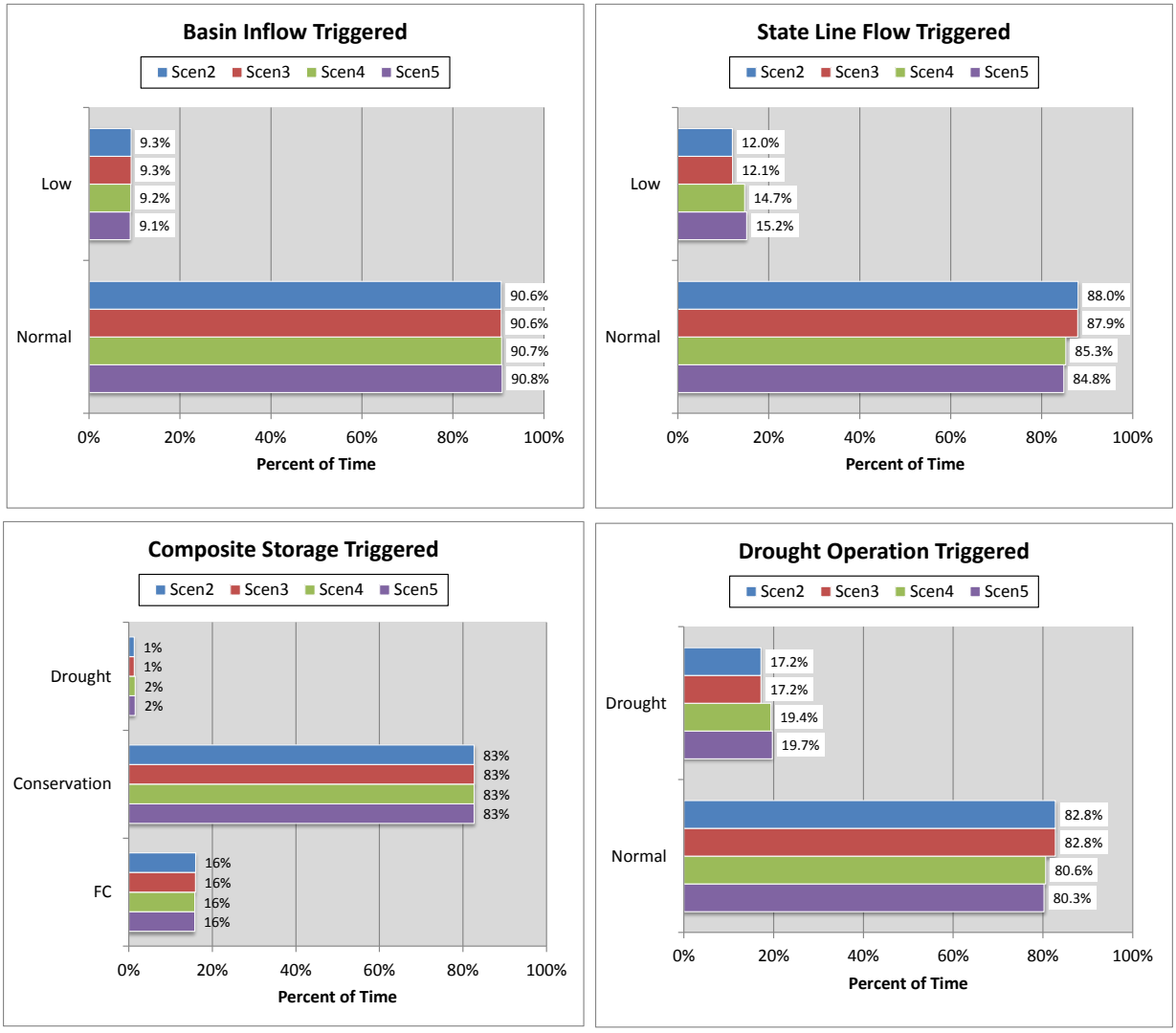

Figure A1-34. Drought operation triggers

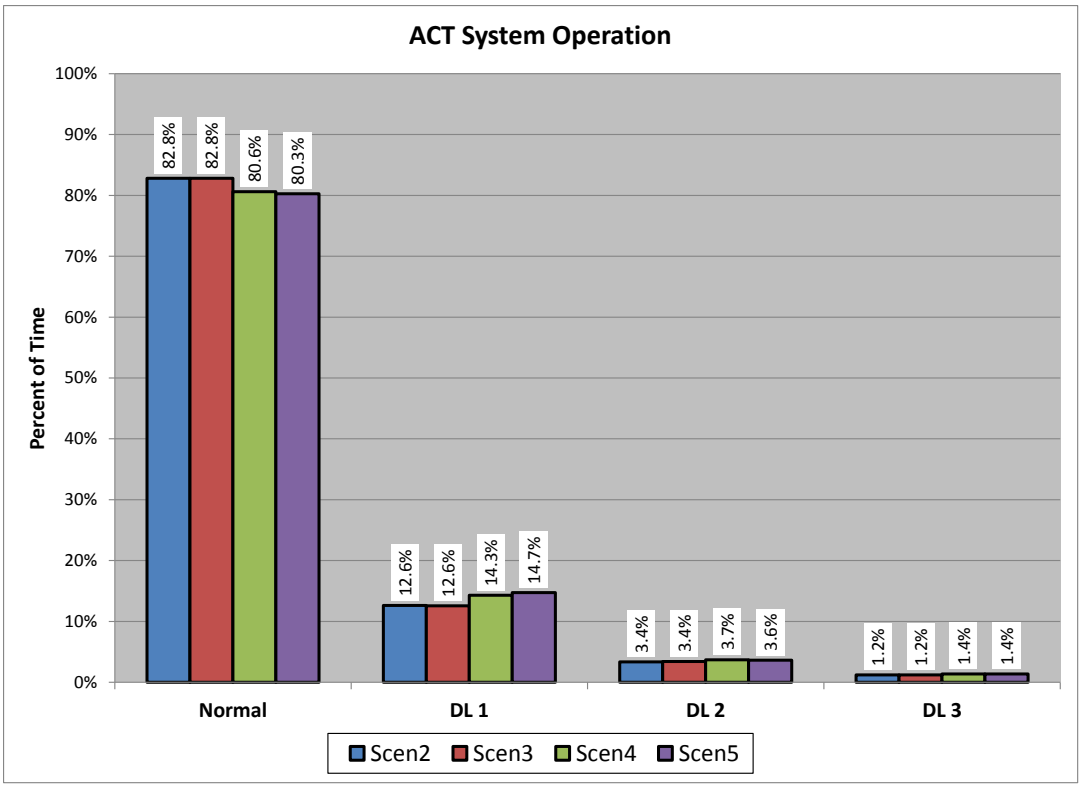

Figure A1-35. Drought levels

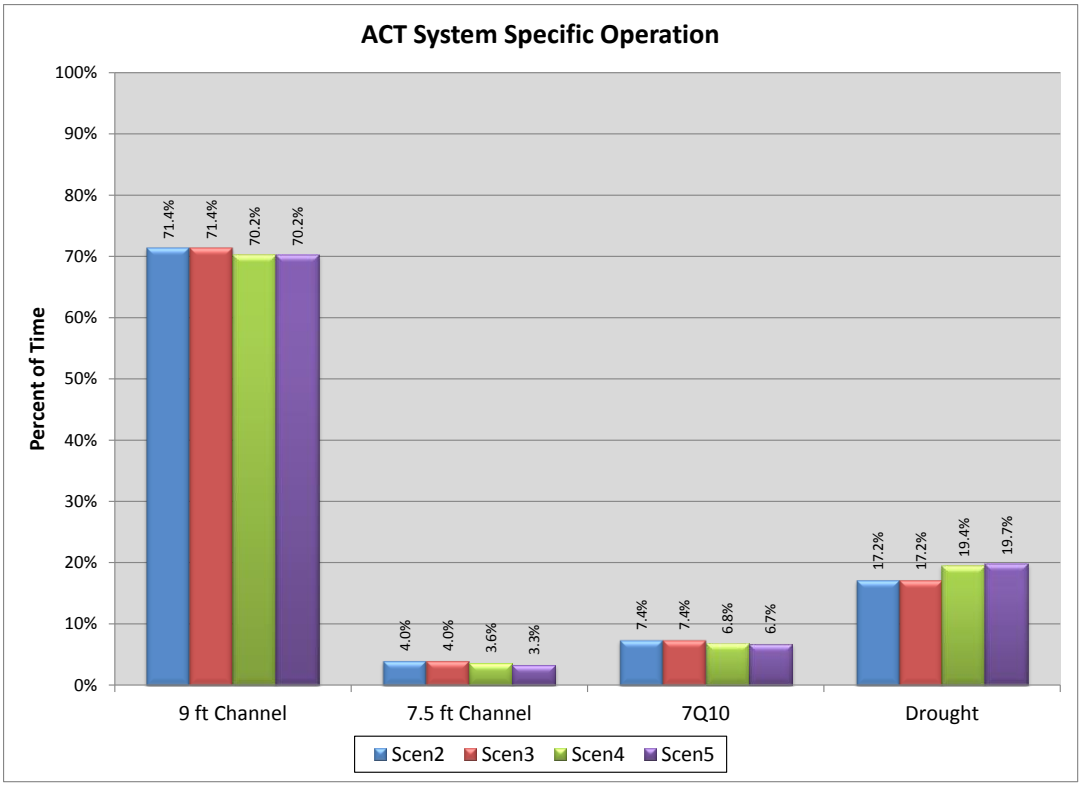

Figure A1-36. ACT system specific operation

A1.5 Impacts to Pool Levels

Note: the pool level spreadsheets were set up to display four runs only; please see the main body of the report for Scenario 6 results.

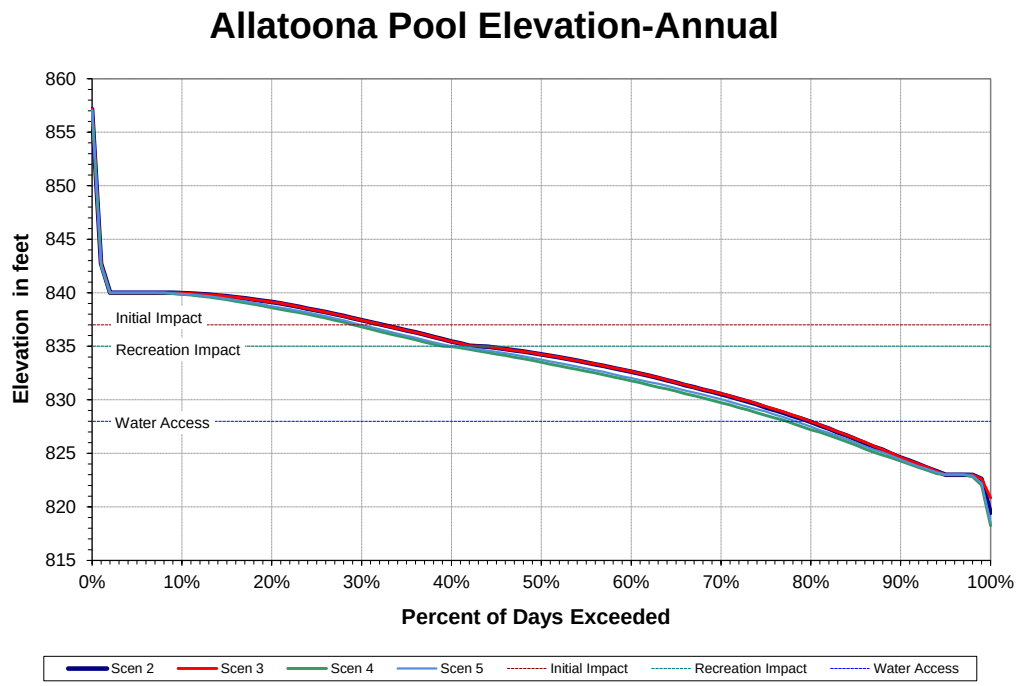

Figure A1-37. Pool elevations, Allatoona

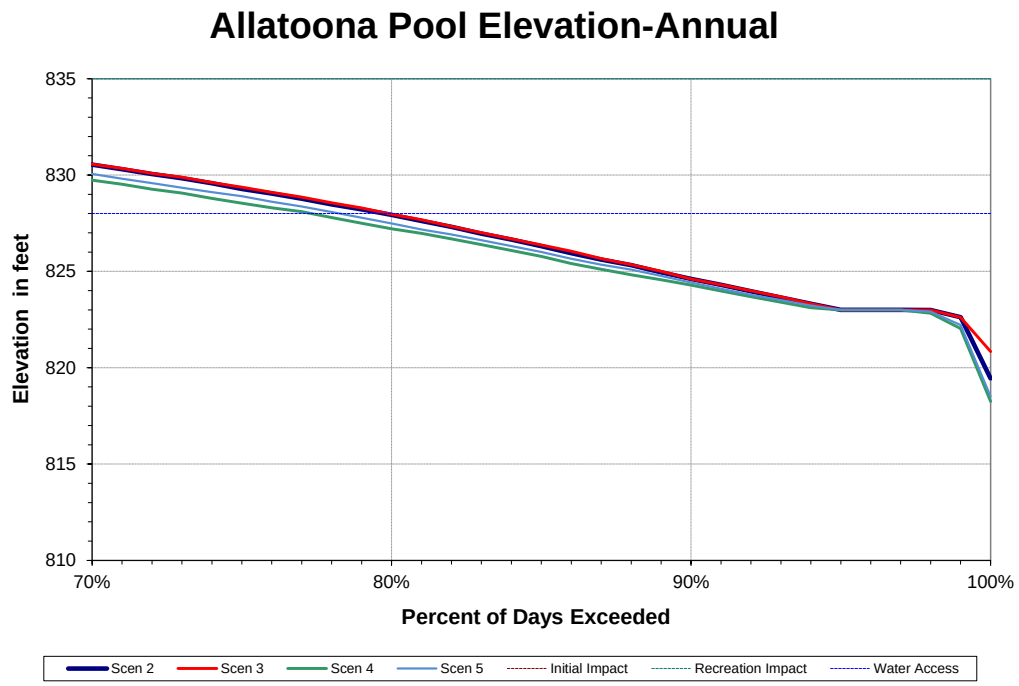

Figure A1-38. Pool elevations, lowest 30%, Allatoona

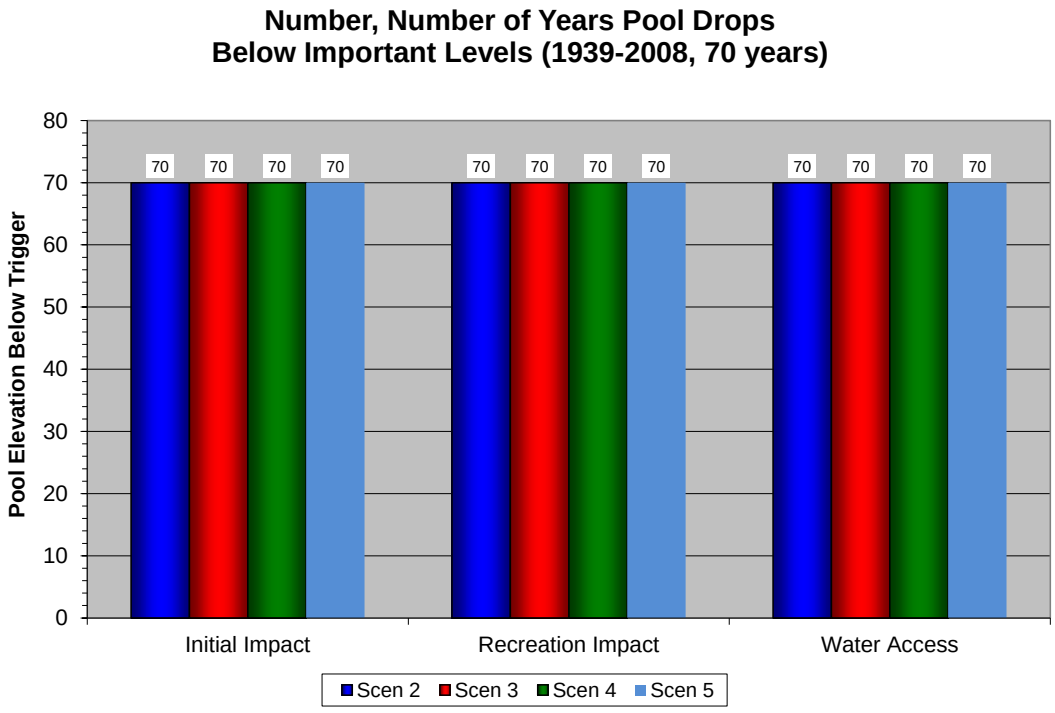

Figure A1-39. Number of years pool drops below important levels, Allatoona

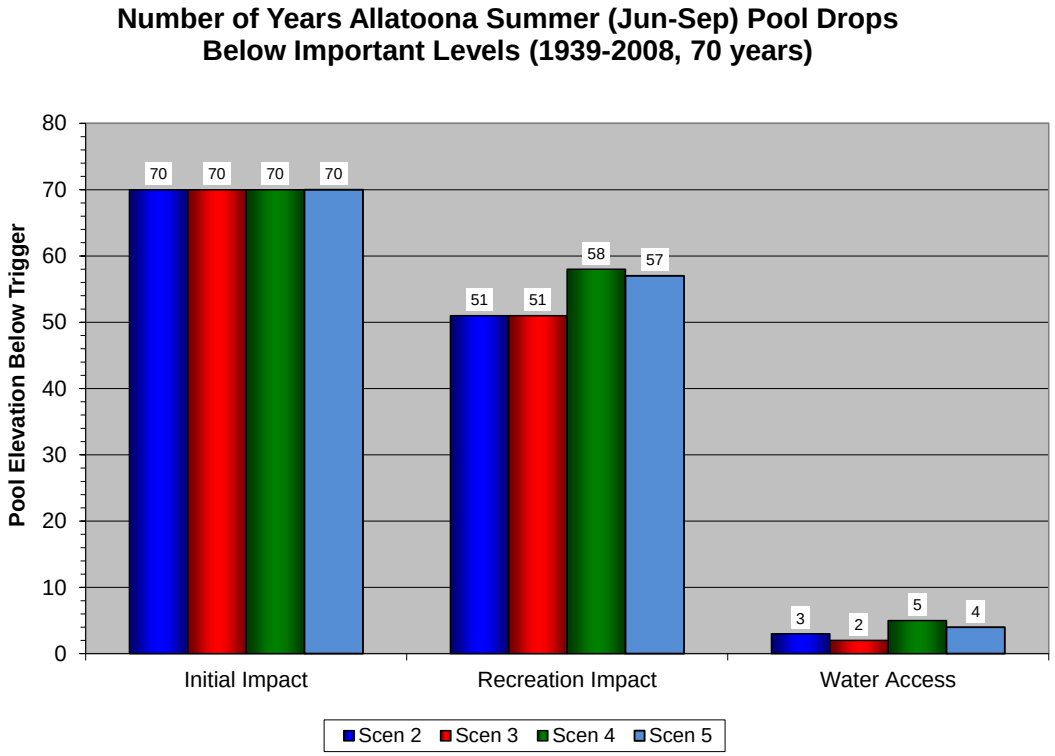

Figure A1-40. Recreation impact, Allatoona

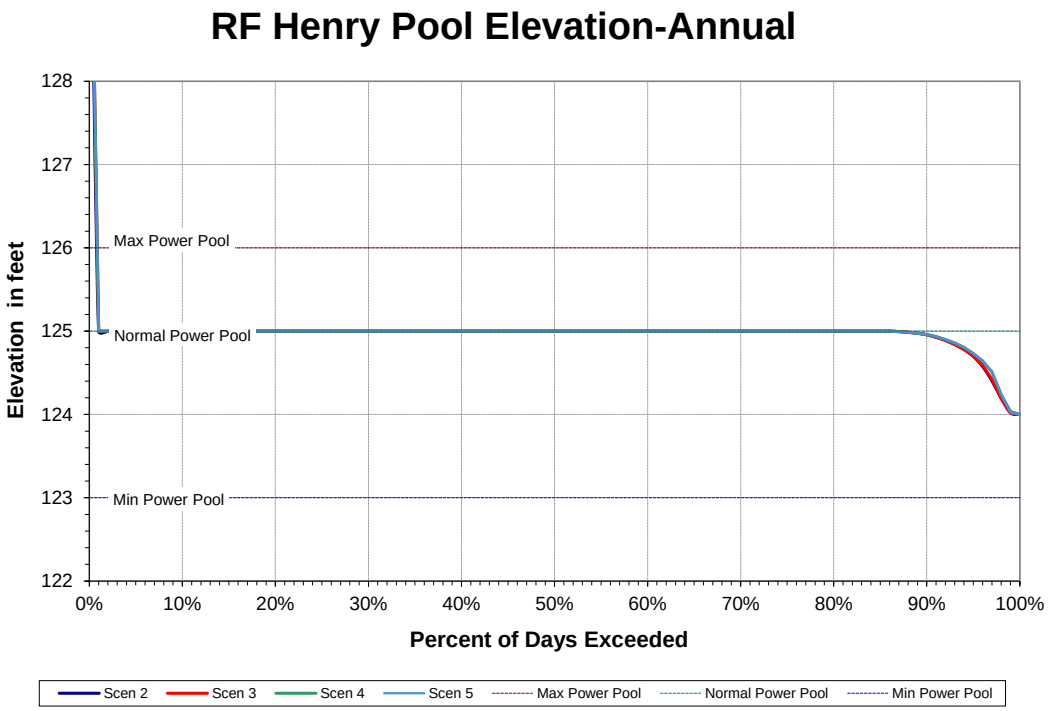

Figure A1-41. Pool elevations, R.F. Henry

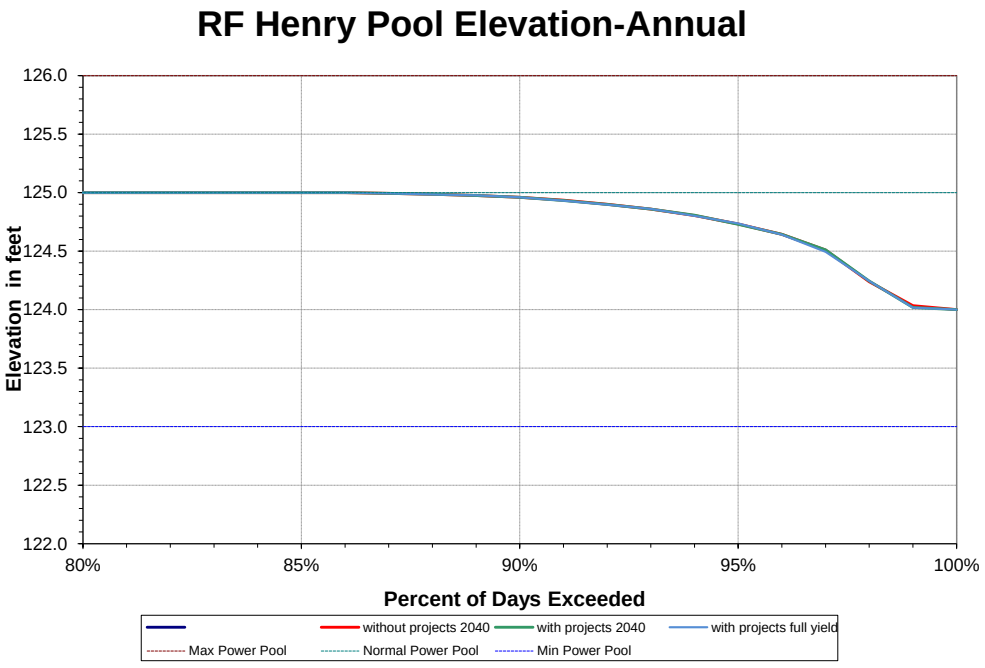

Figure A1-42. Pool elevations, lowest 20%, R.F. Henry

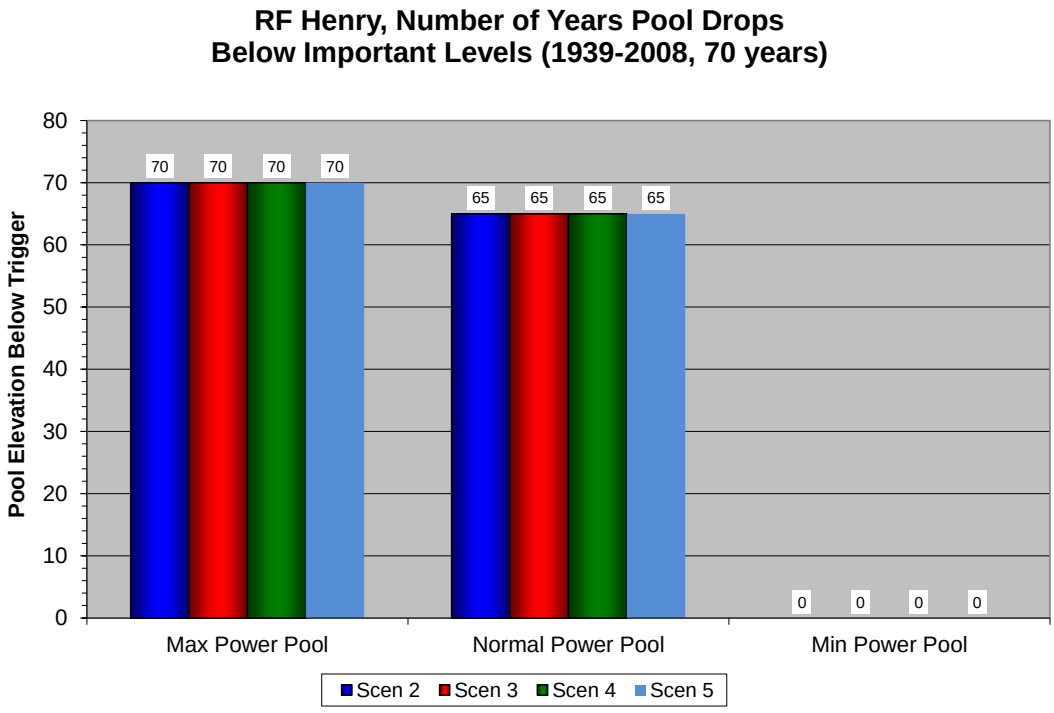

Figure A1-43. Number of years pool drops below important levels, R.F. Henry

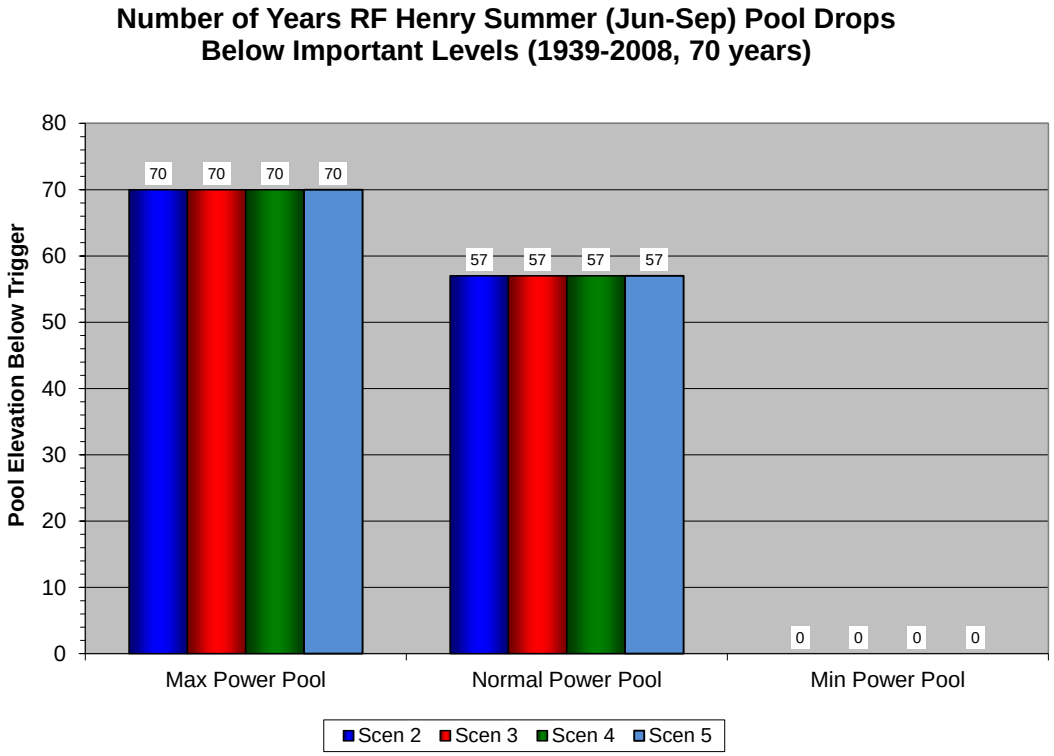

Figure A1-44. Recreation impact, R.F. Henry

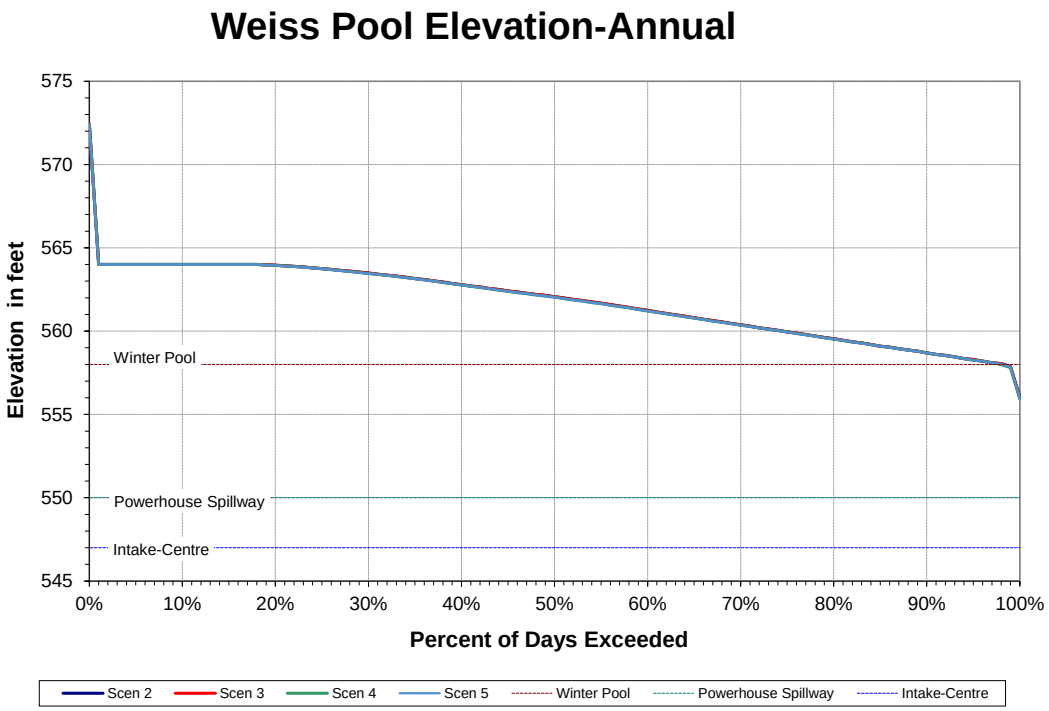

Figure A1-45. Pool elevations, Weiss

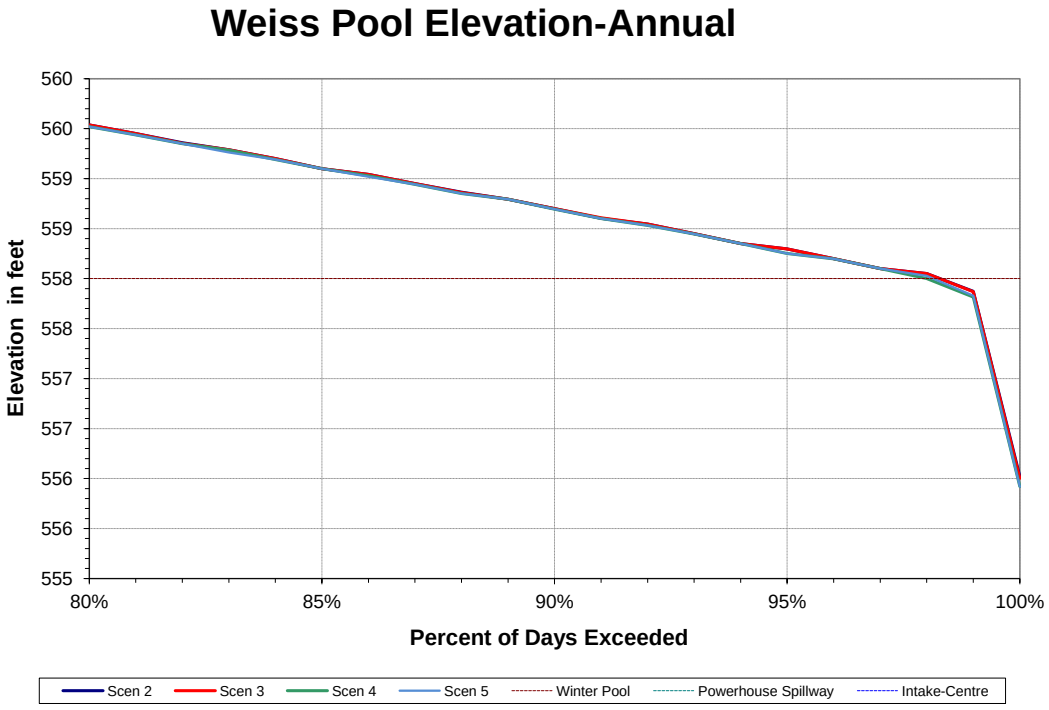

Figure A1-46. Pool elevations, lowest 20%, Weiss

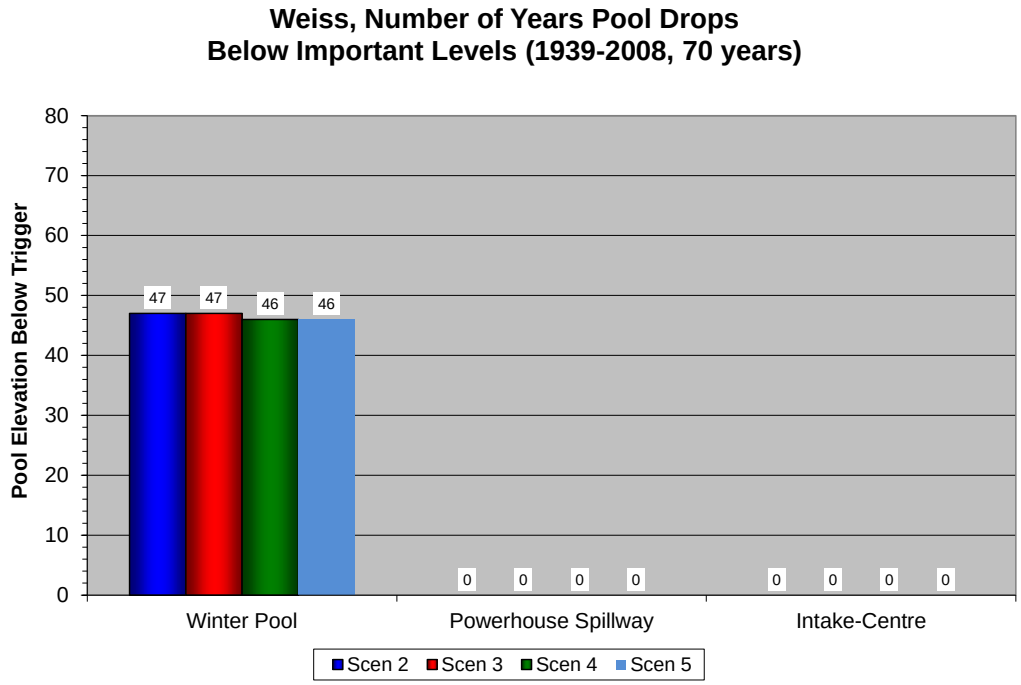

Figure A1-47. Number of years pool drops below important levels, Weiss

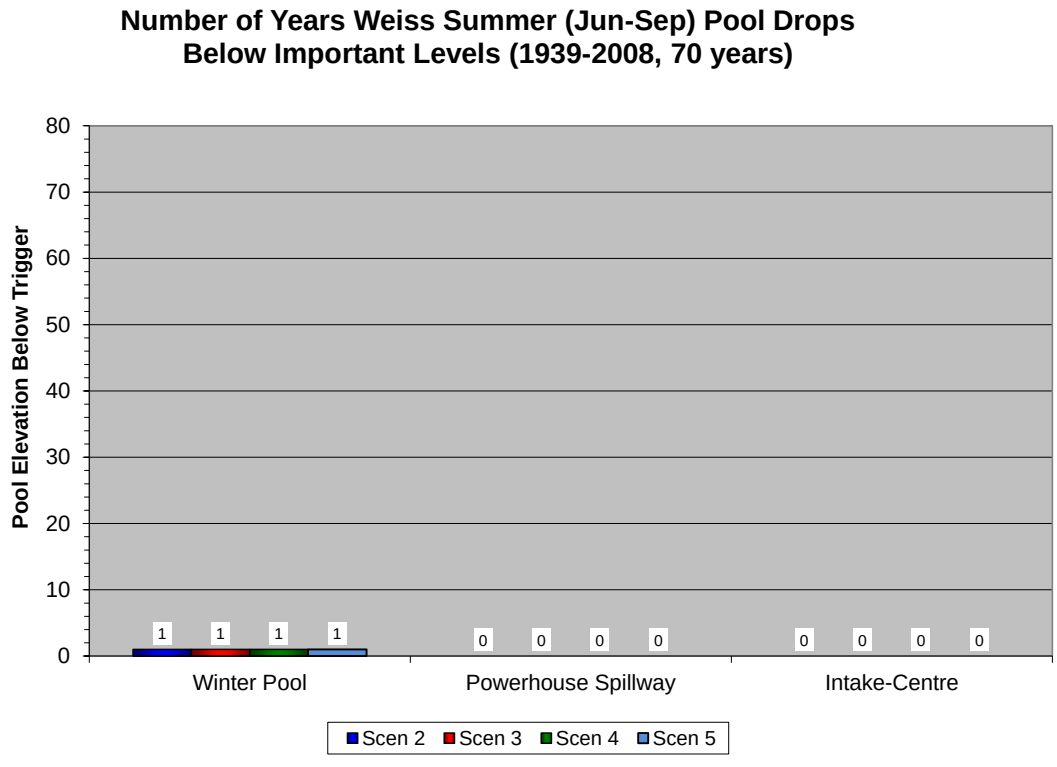

Figure A1-48. Recreation impact, Weiss

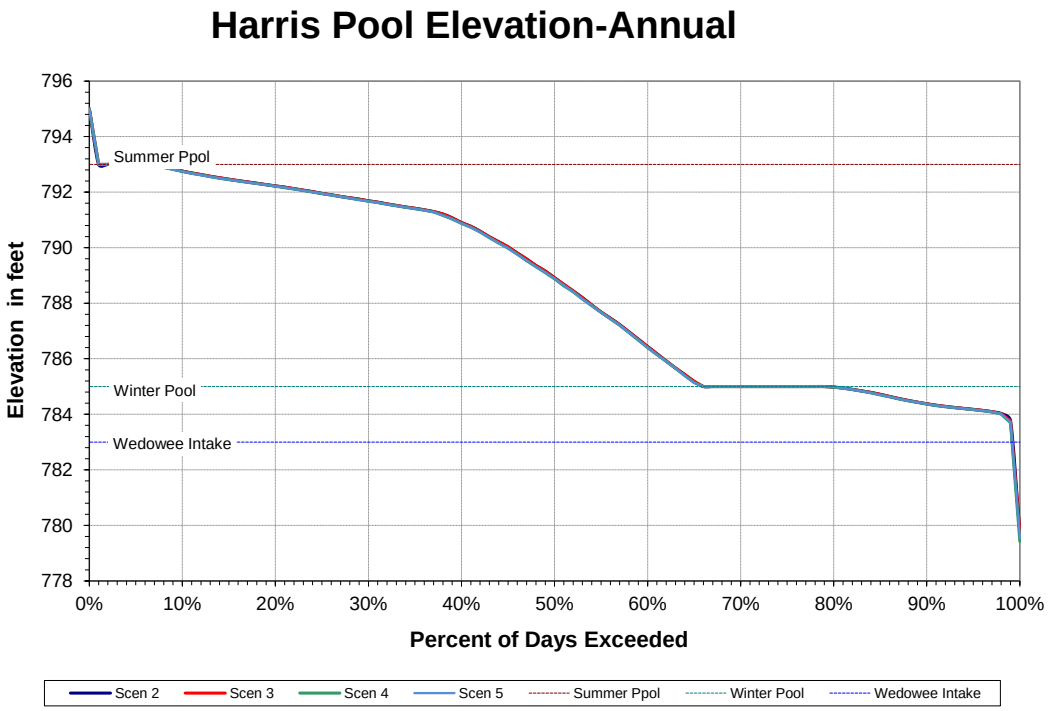

Figure A1-49. Pool elevations, Harris

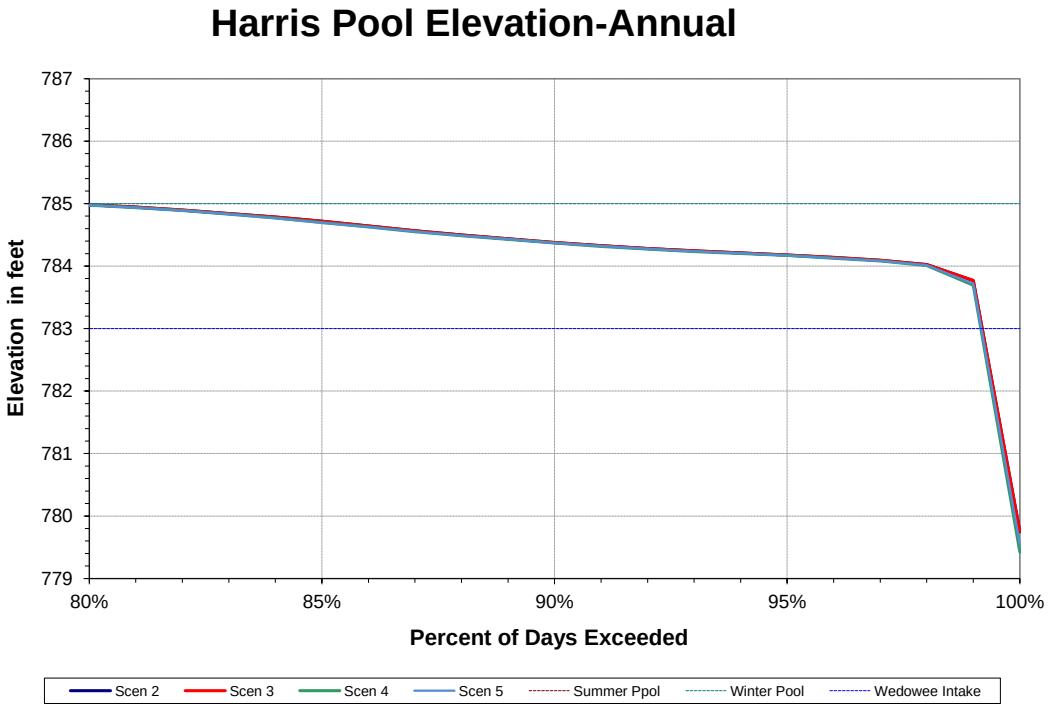

Figure A1-50. Pool elevations, lowest 20%, Harris

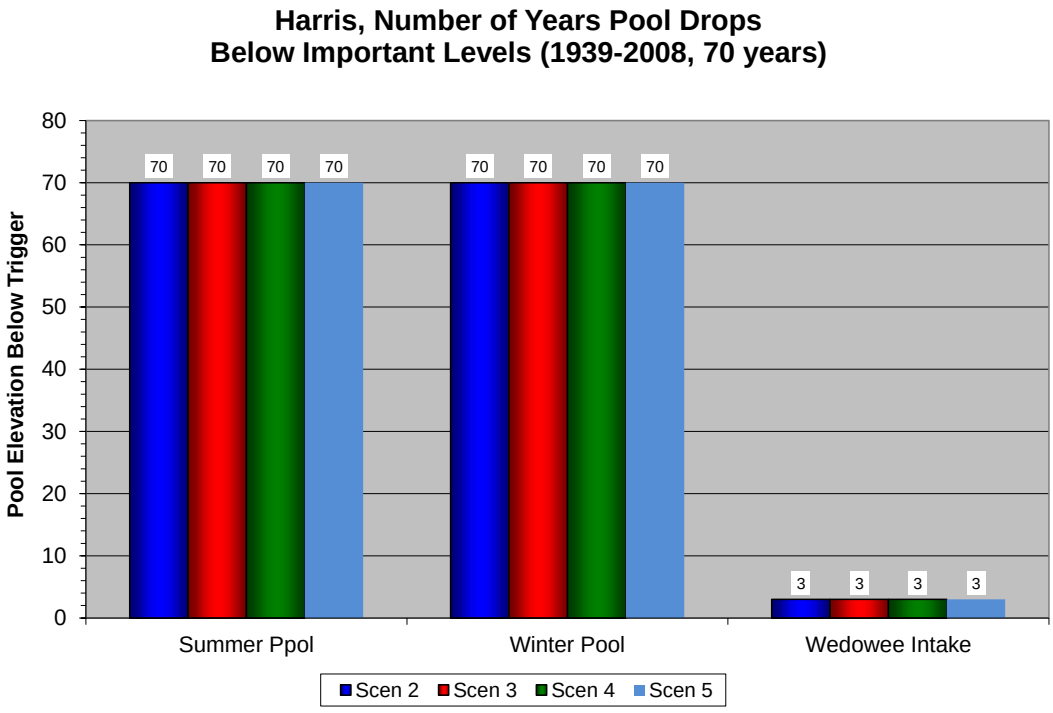

Figure A1-51. Number of years pool drops below important levels, Harris

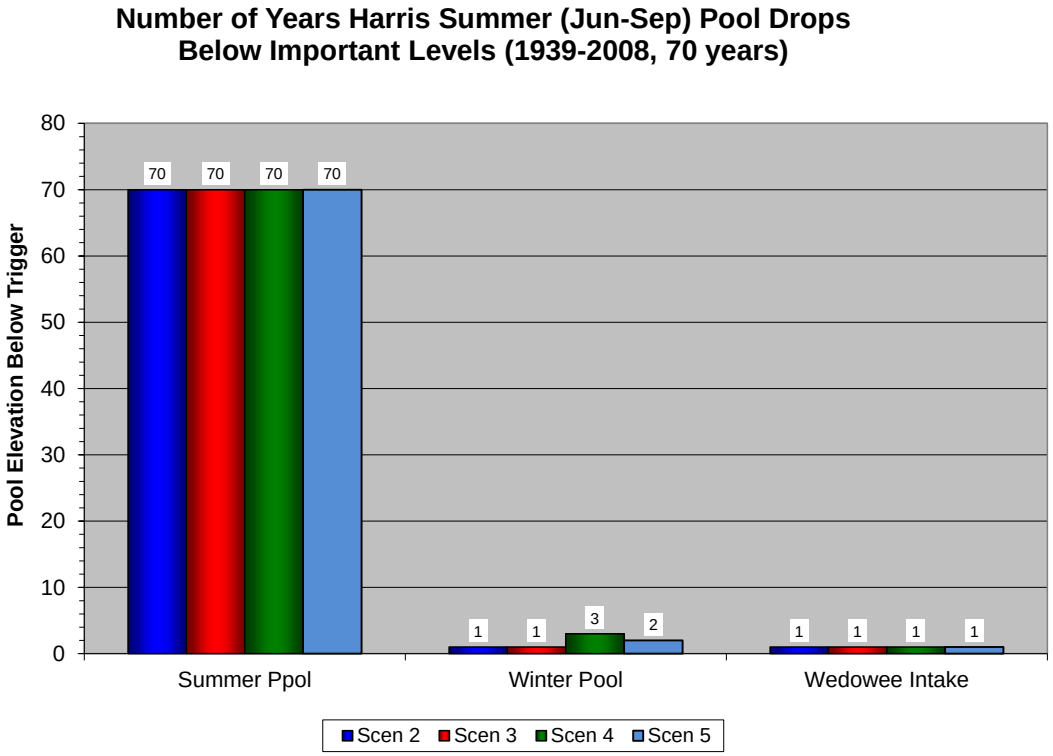

Figure A1-52. Recreation impact, Harris