

Figure 1. Location of Wells with Data for 2005 Water Level Map and Historical Conditions



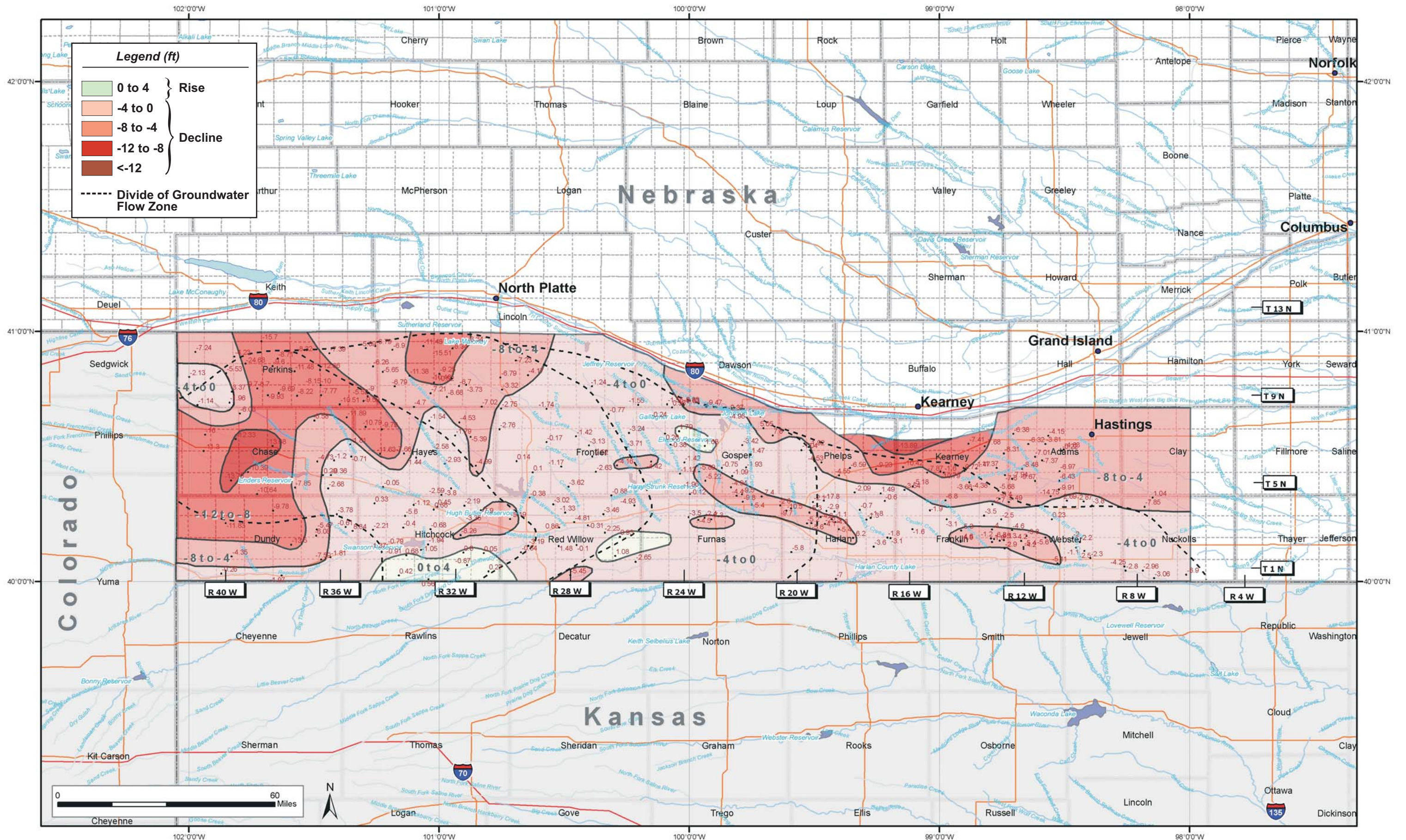


Figure 5. Change in Groundwater Level from 1999 to 2005



HDR

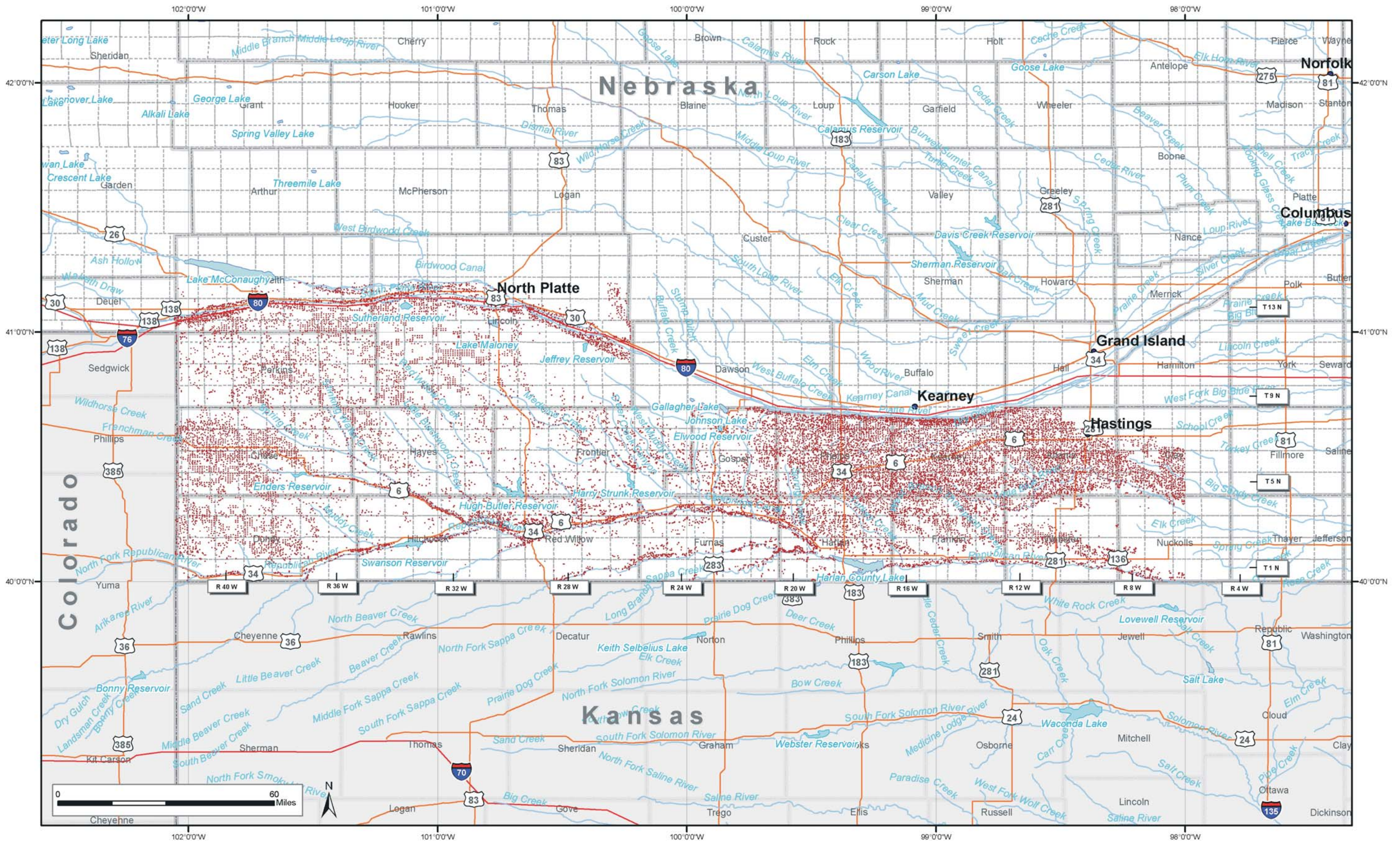


Figure 6. Locations of Registered Irrigation Wells



HDR

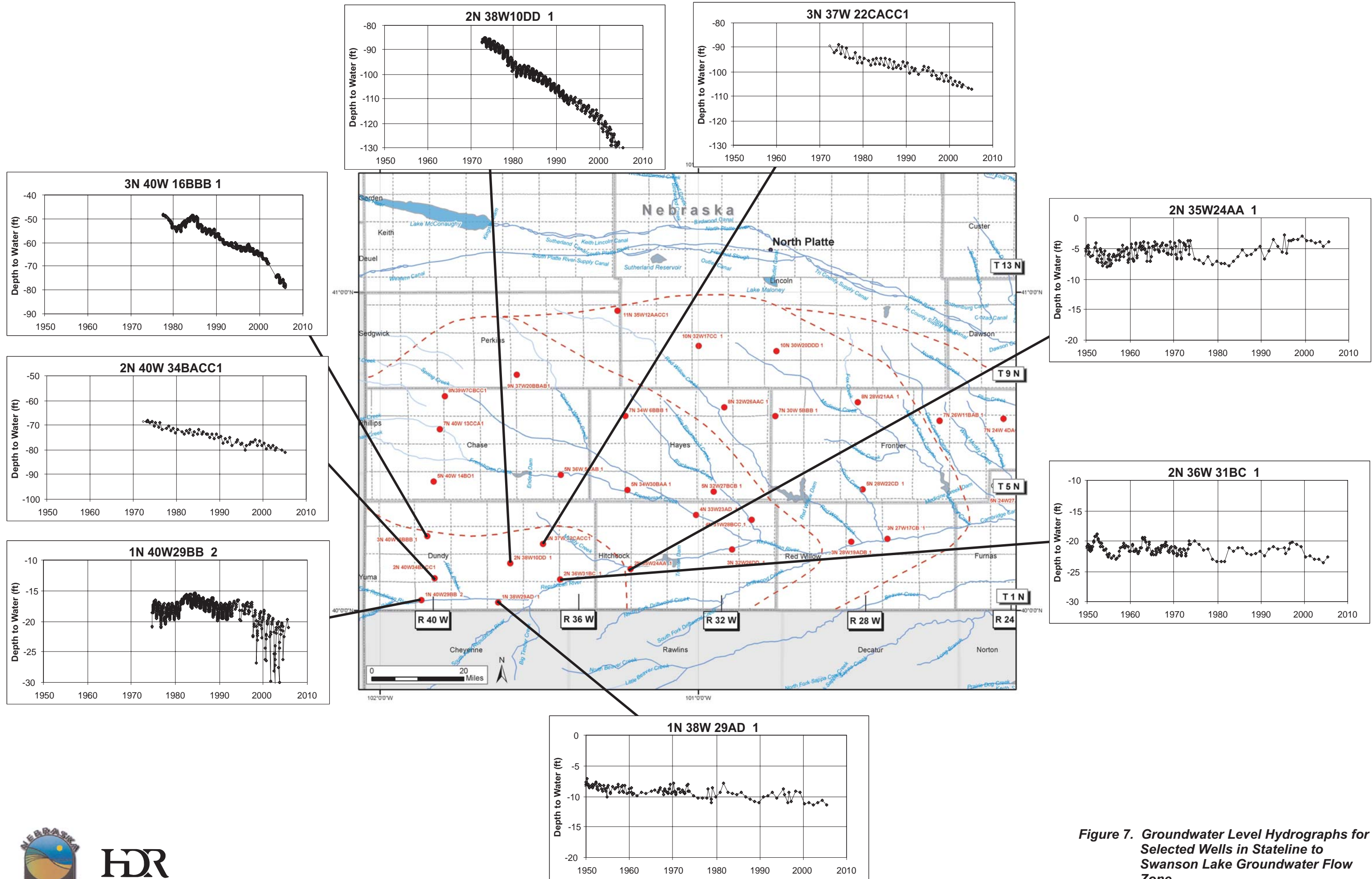


Figure 7. Groundwater Level Hydrographs for Selected Wells in Stateline to Swanson Lake Groundwater Flow Zone

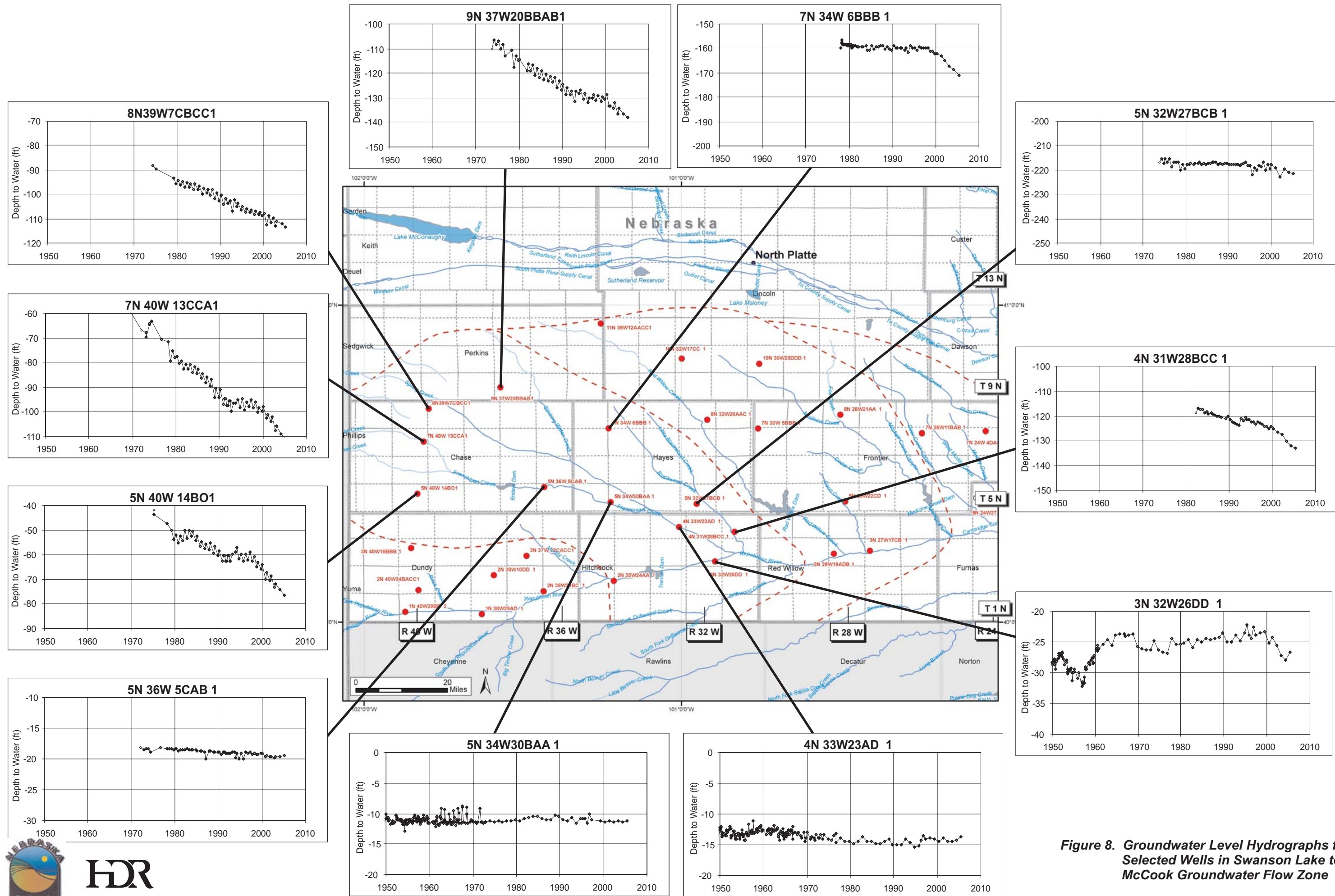


Figure 8. Groundwater Level Hydrographs for Selected Wells in Swanson Lake to McCook Groundwater Flow Zone

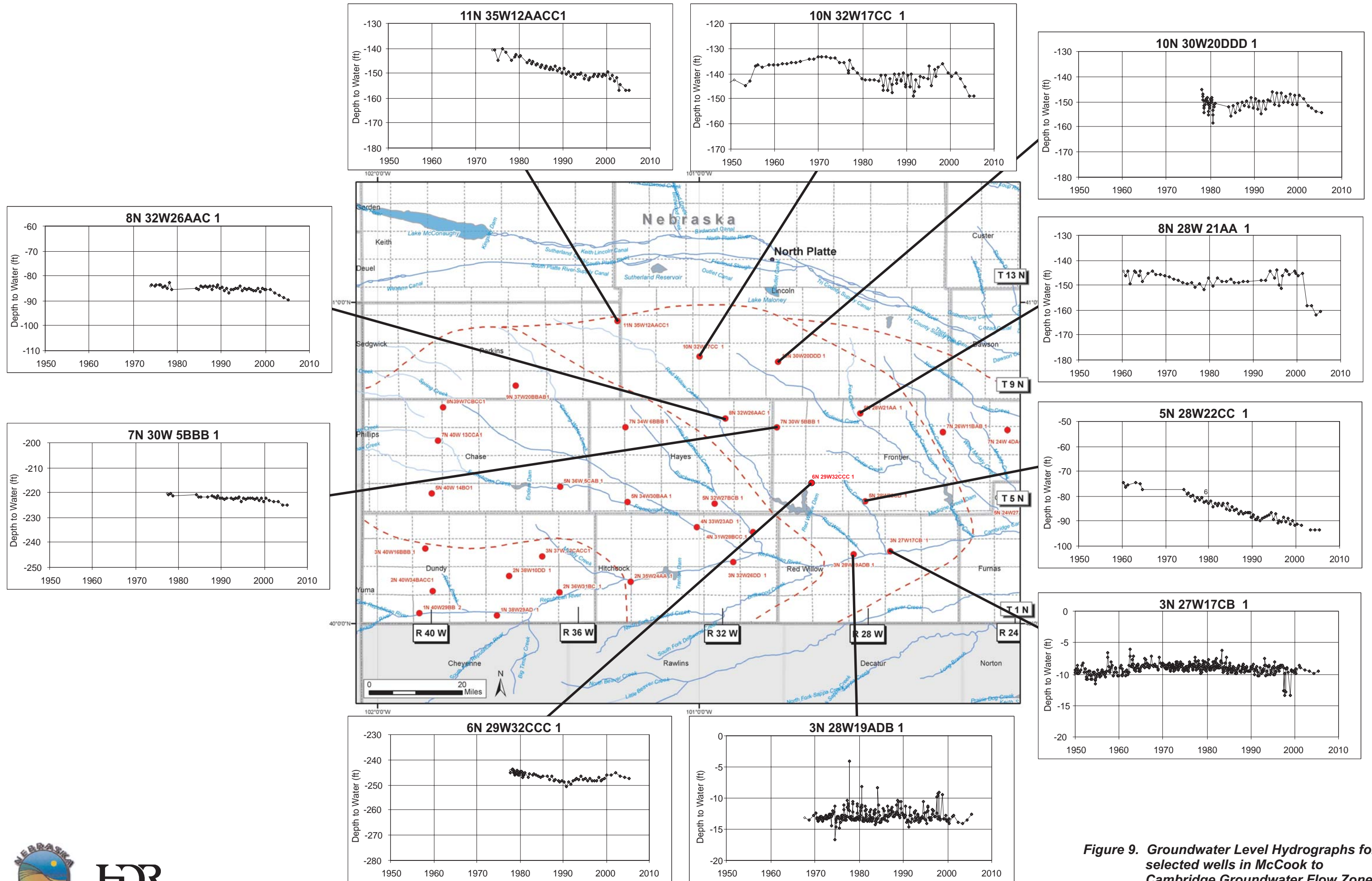


Figure 9. Groundwater Level Hydrographs for selected wells in McCook to Cambridge Groundwater Flow Zone

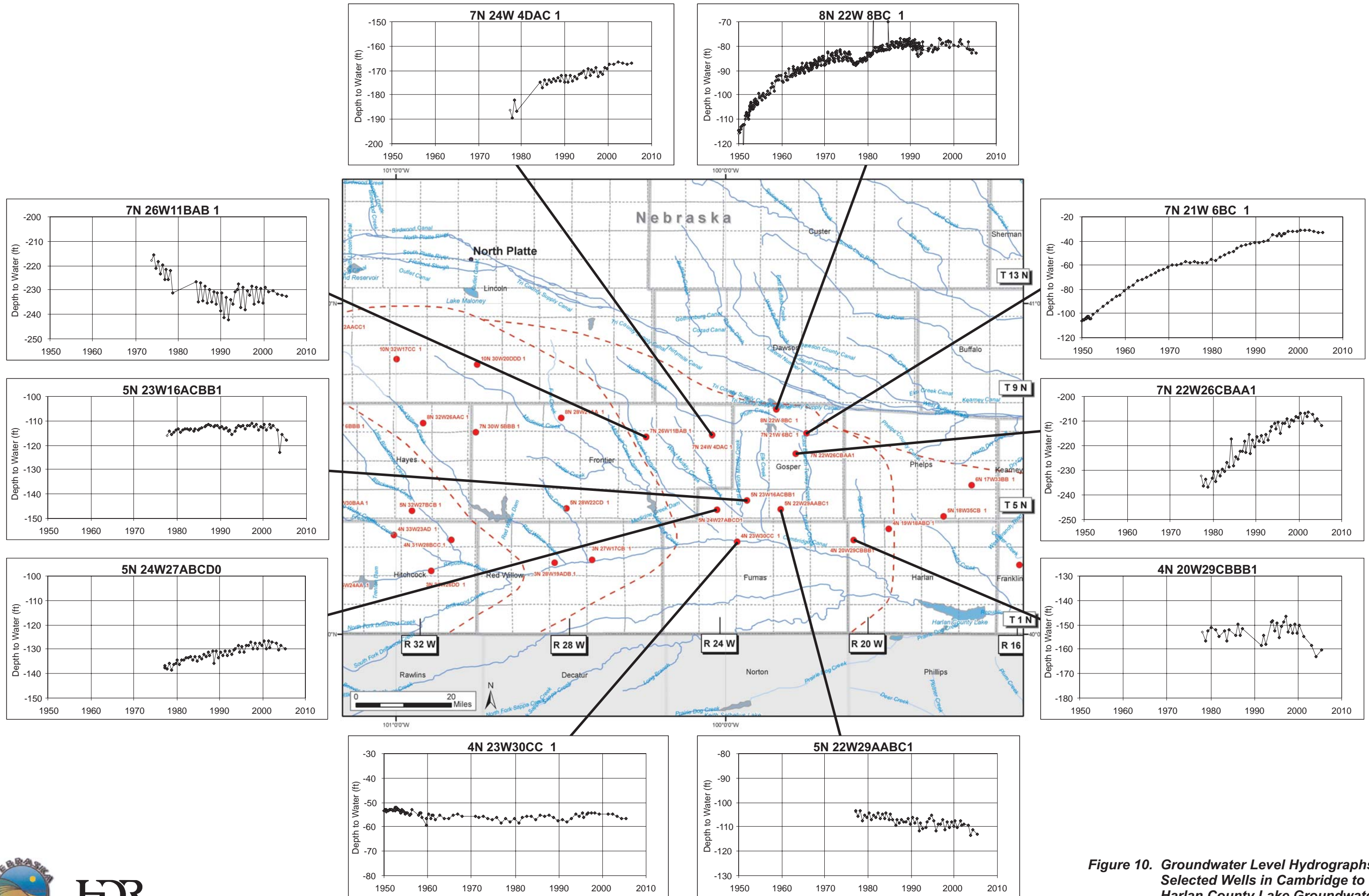


Figure 10. Groundwater Level Hydrographs for Selected Wells in Cambridge to Harlan County Lake Groundwater Flow Zone

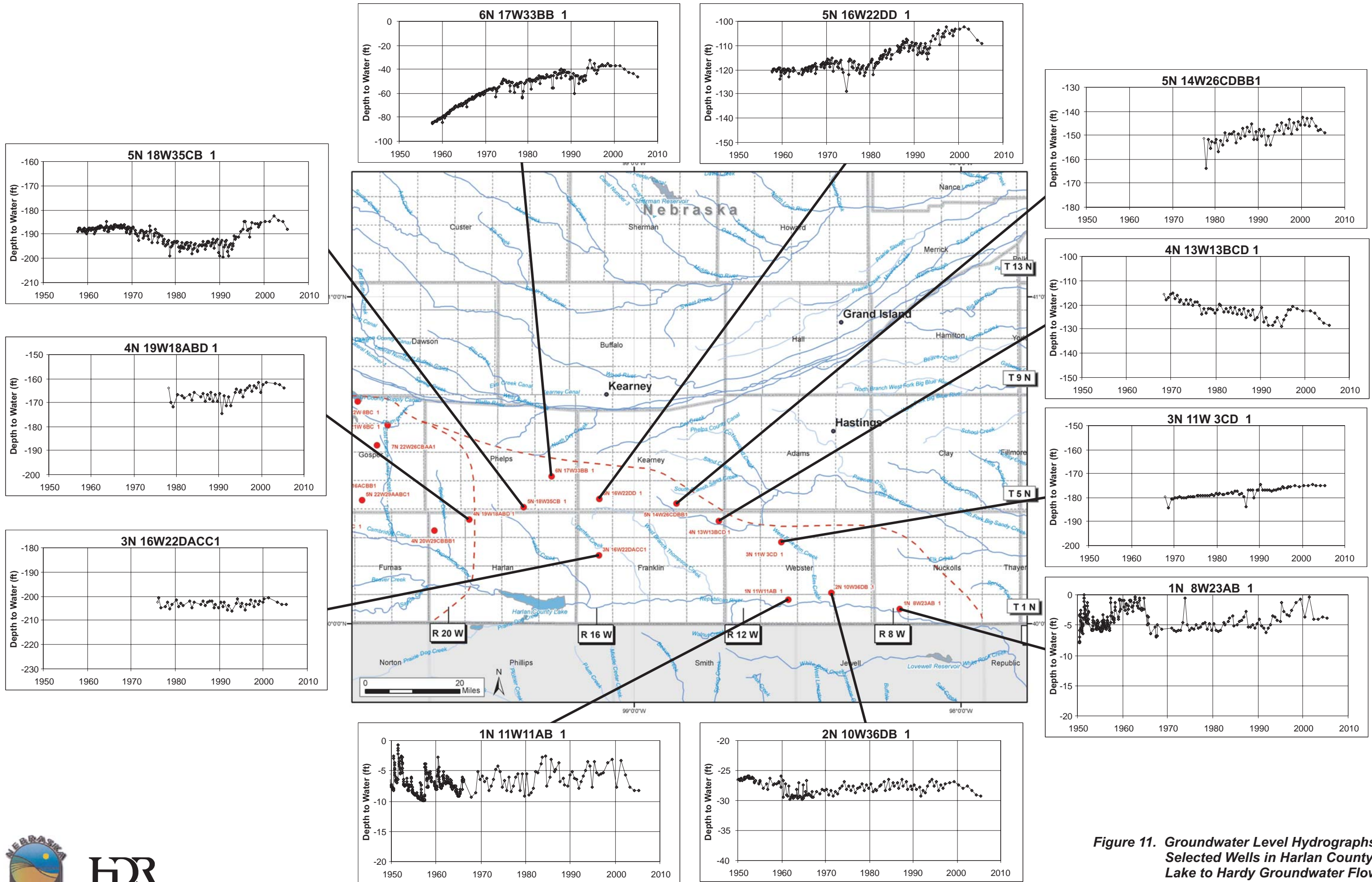


Figure 11. Groundwater Level Hydrographs for Selected Wells in Harlan County Lake to Hardy Groundwater Flow Zone

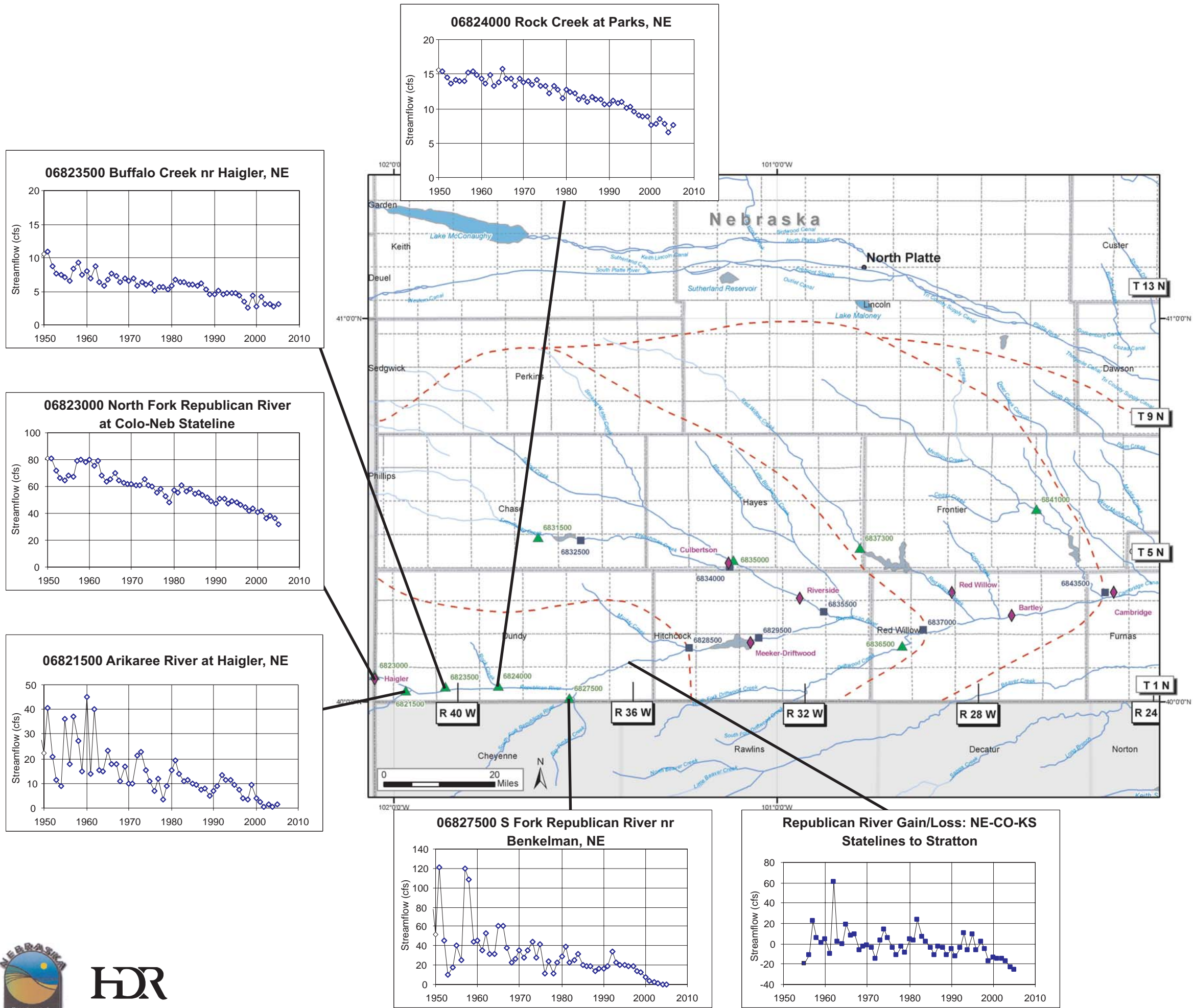


Figure 12. Total Streamflow Hydrographs for Tributaries and Main Stem Reach in Stateline to Swanson Lake Groundwater Flow Zone

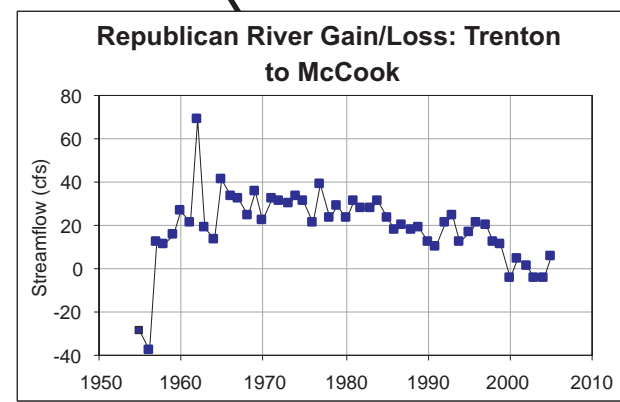
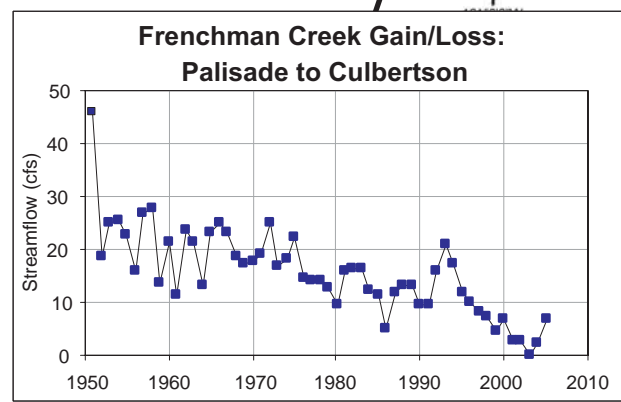
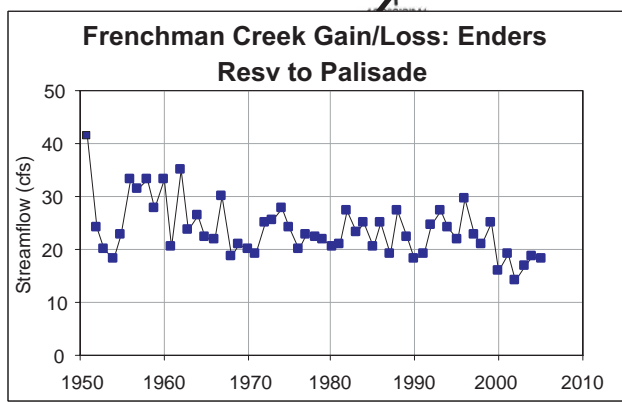
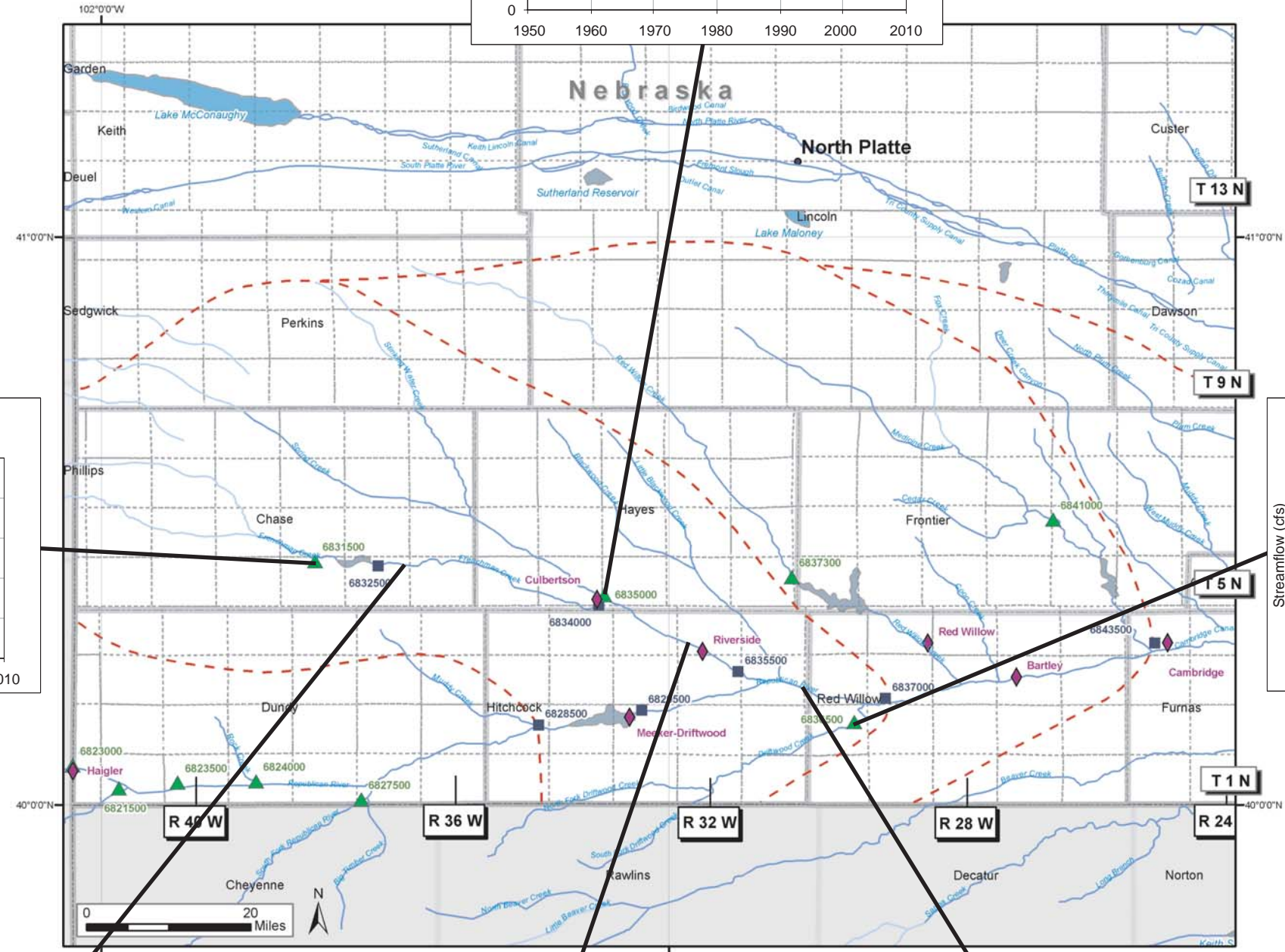
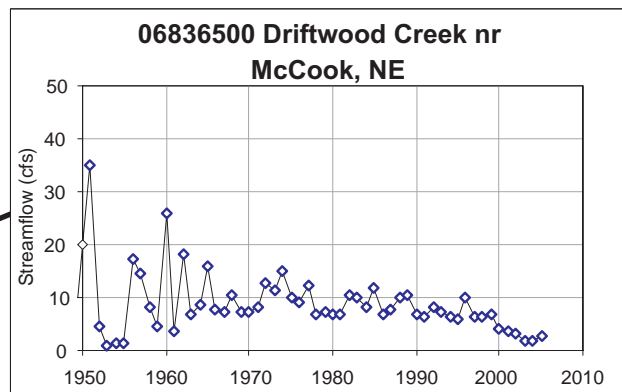
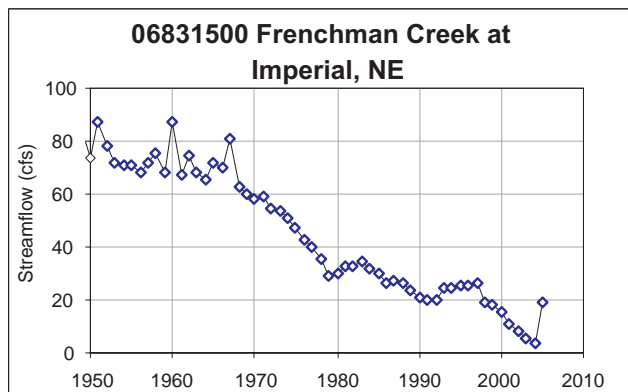
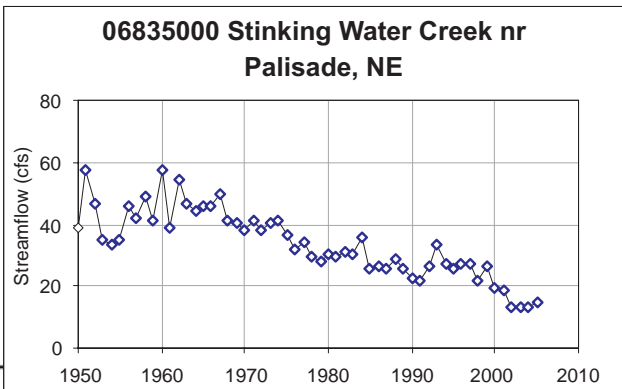


Figure 13. Total Streamflow Hydrographs for Tributaries and Main Stem Reaches in Swanson Lake to McCook Groundwater Flow Zone



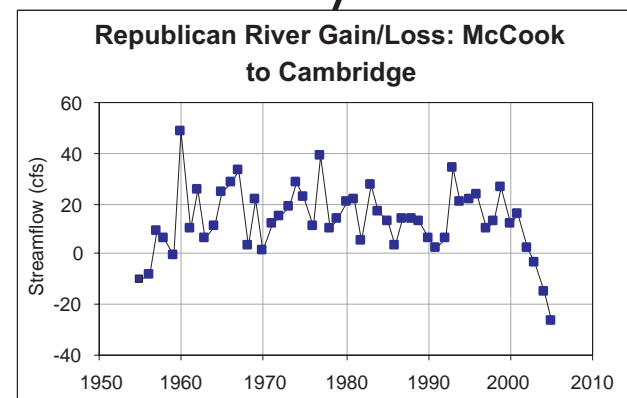
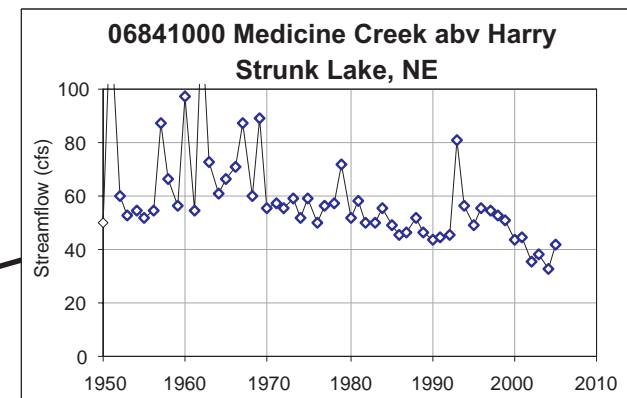
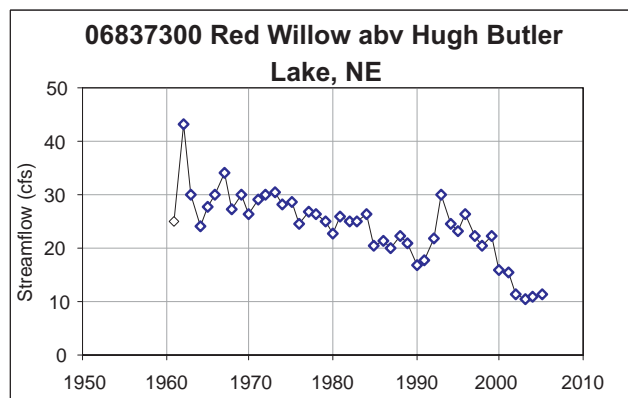
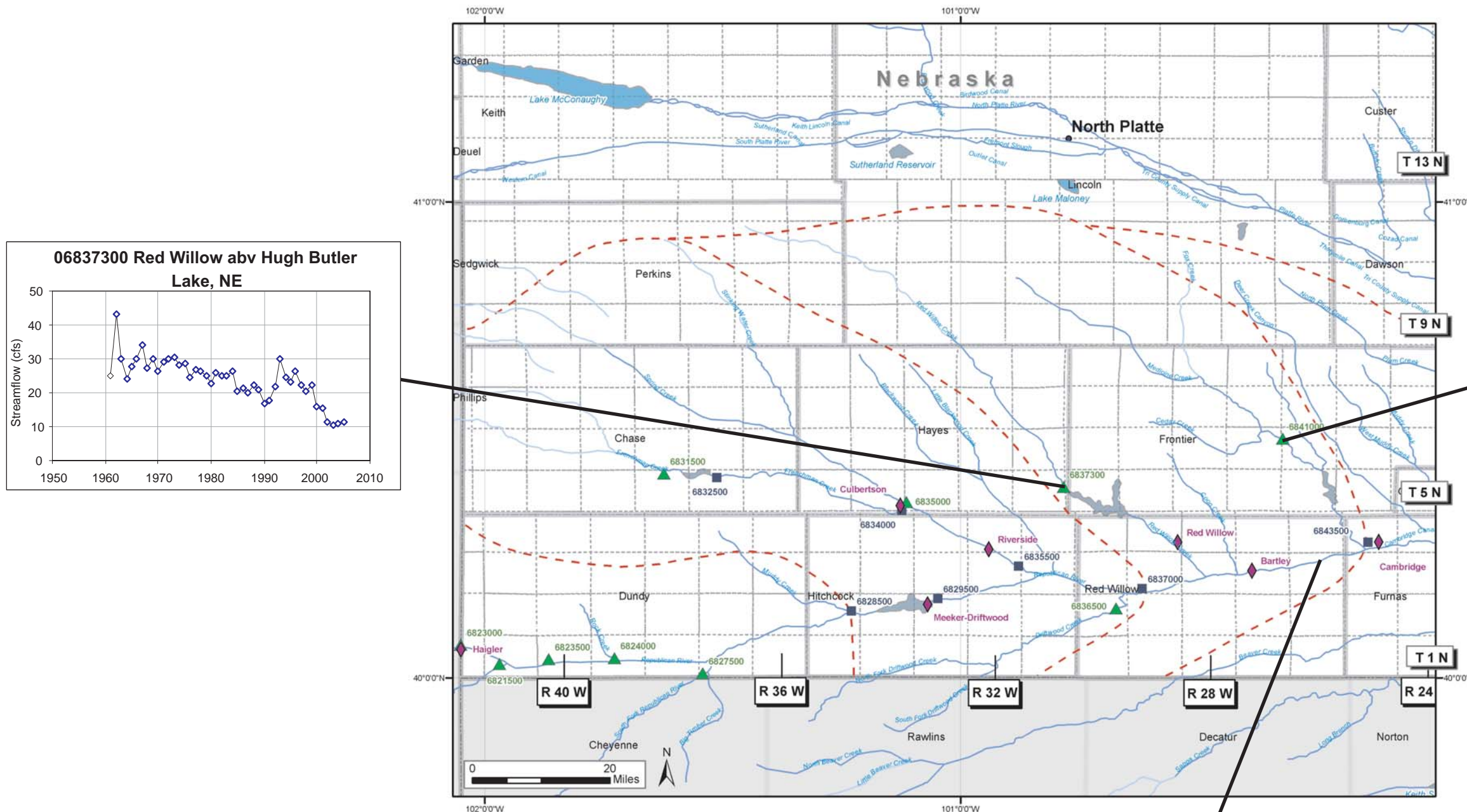


Figure 14. Total Streamflow Hydrographs for Tributaries and Main Stem Reach in McCook to Cambridge Groundwater Flow Zone



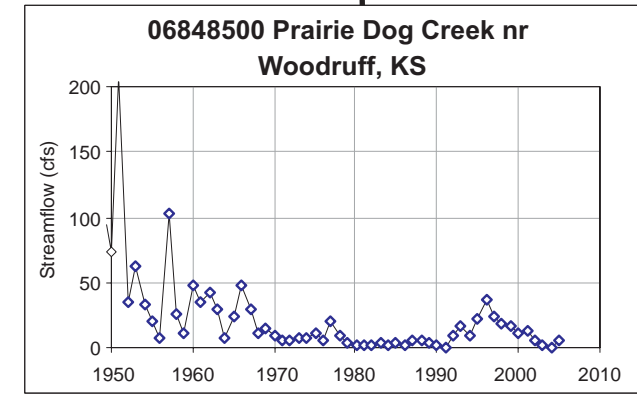
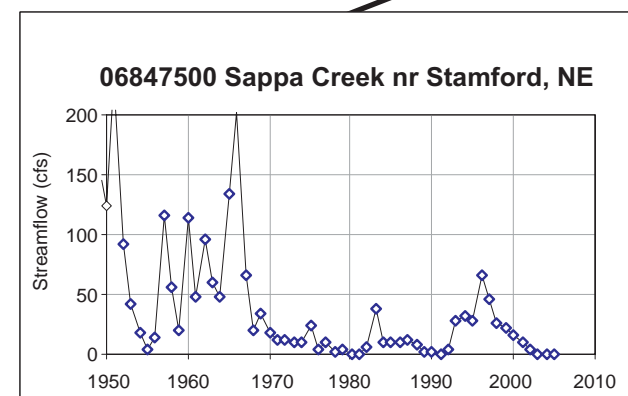
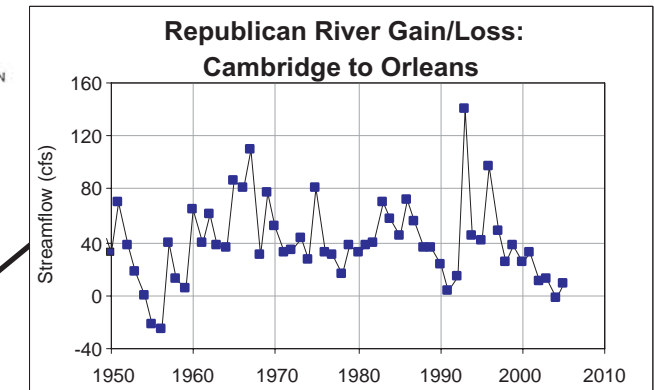
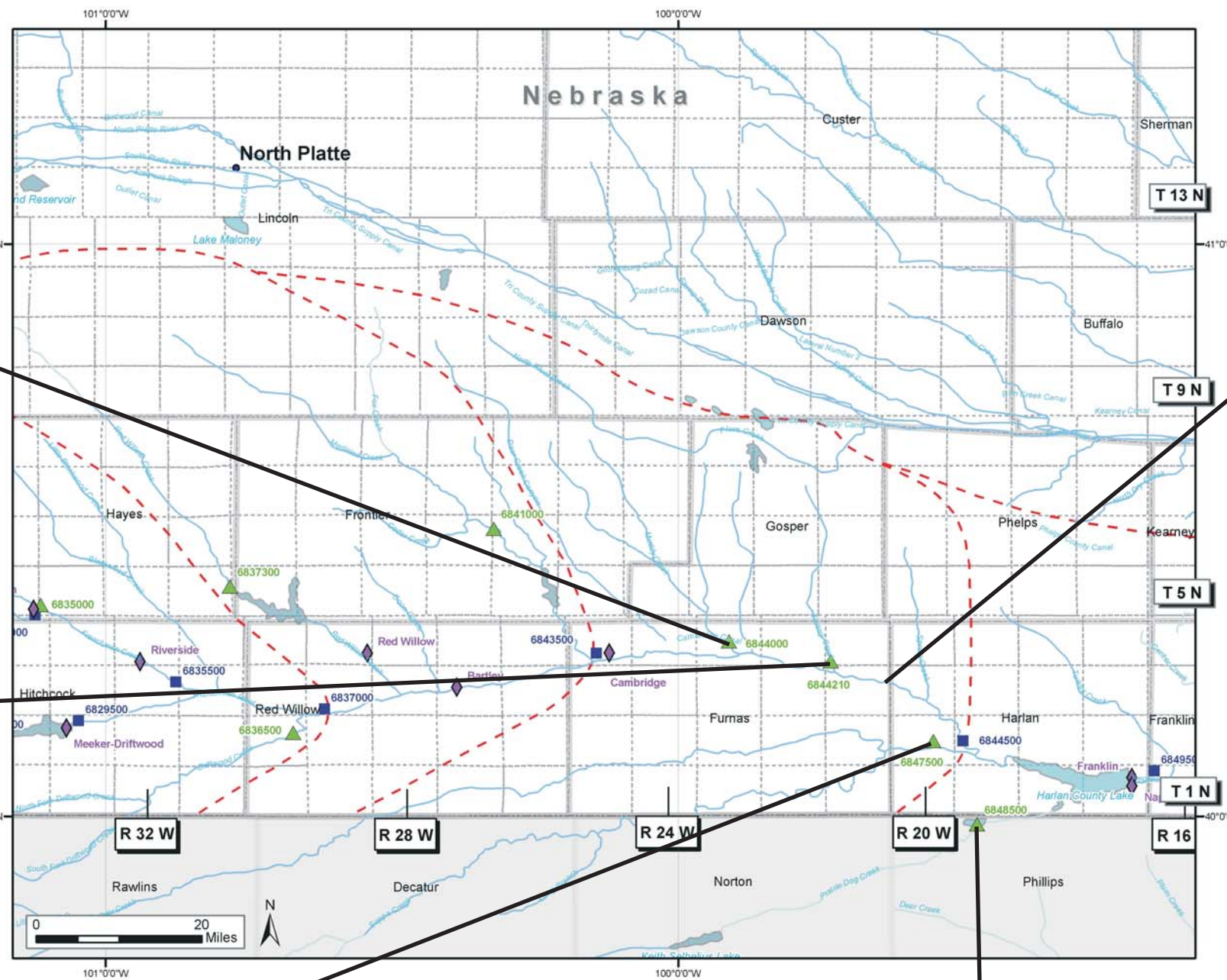
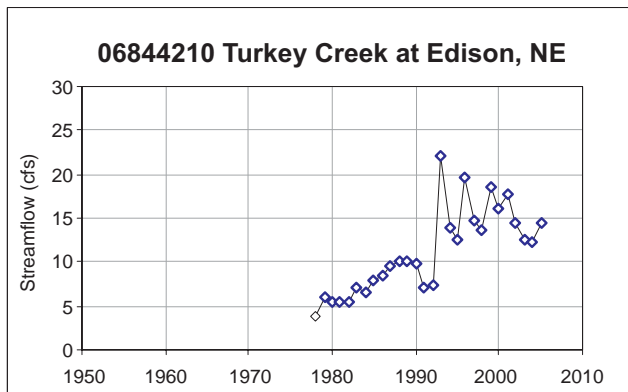
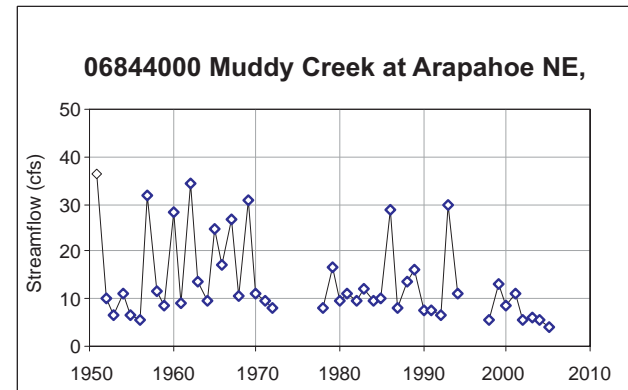


Figure 15. Total Streamflow Hydrographs for Tributaries and Main Stem Reach in Cambridge to Harlan County Lake Groundwater Flow Zone

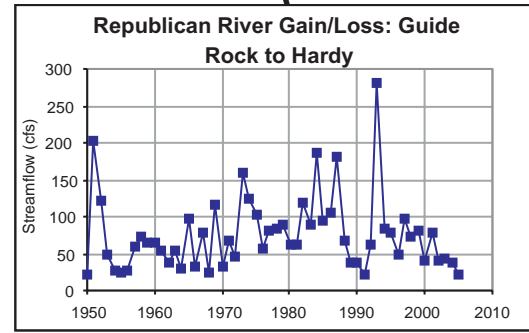
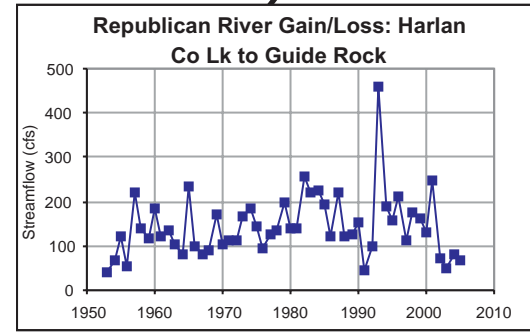
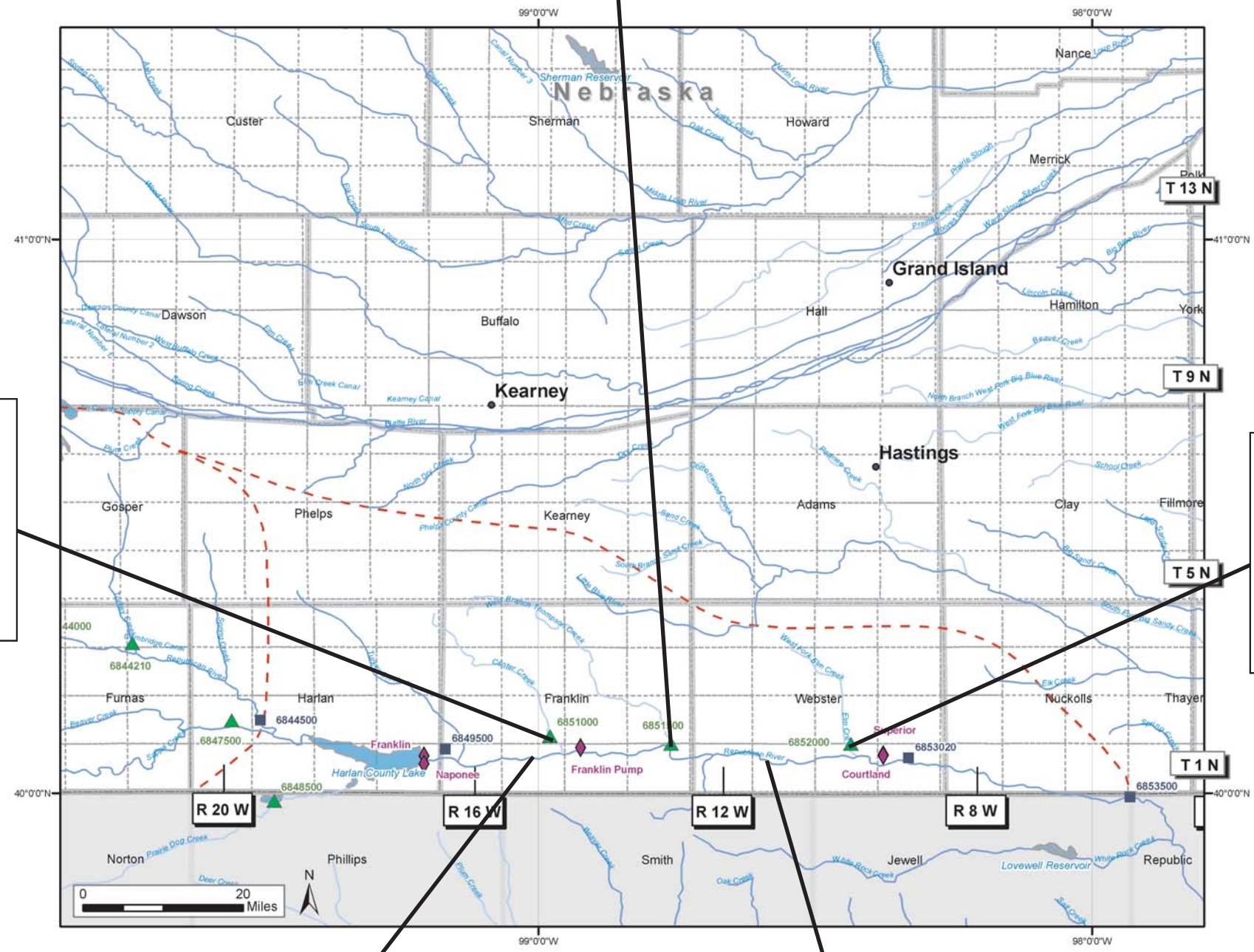
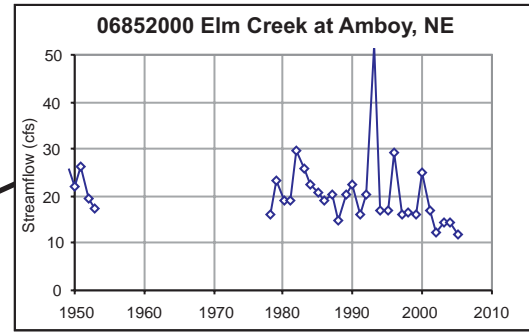
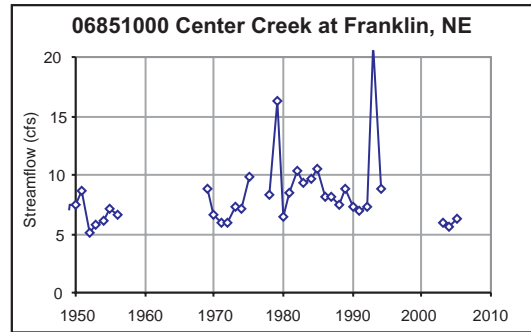
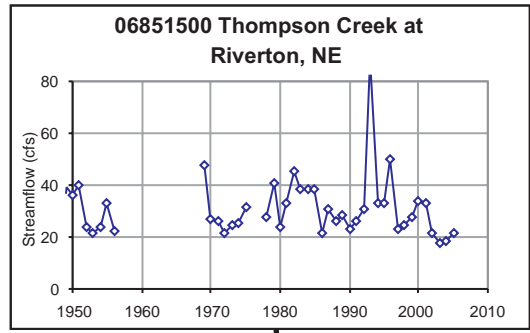


Figure 16. Total Streamflow Hydrographs for Tributaries and Main Stem Reach in Harlan County Lake to Hardy Groundwater Flow Zone

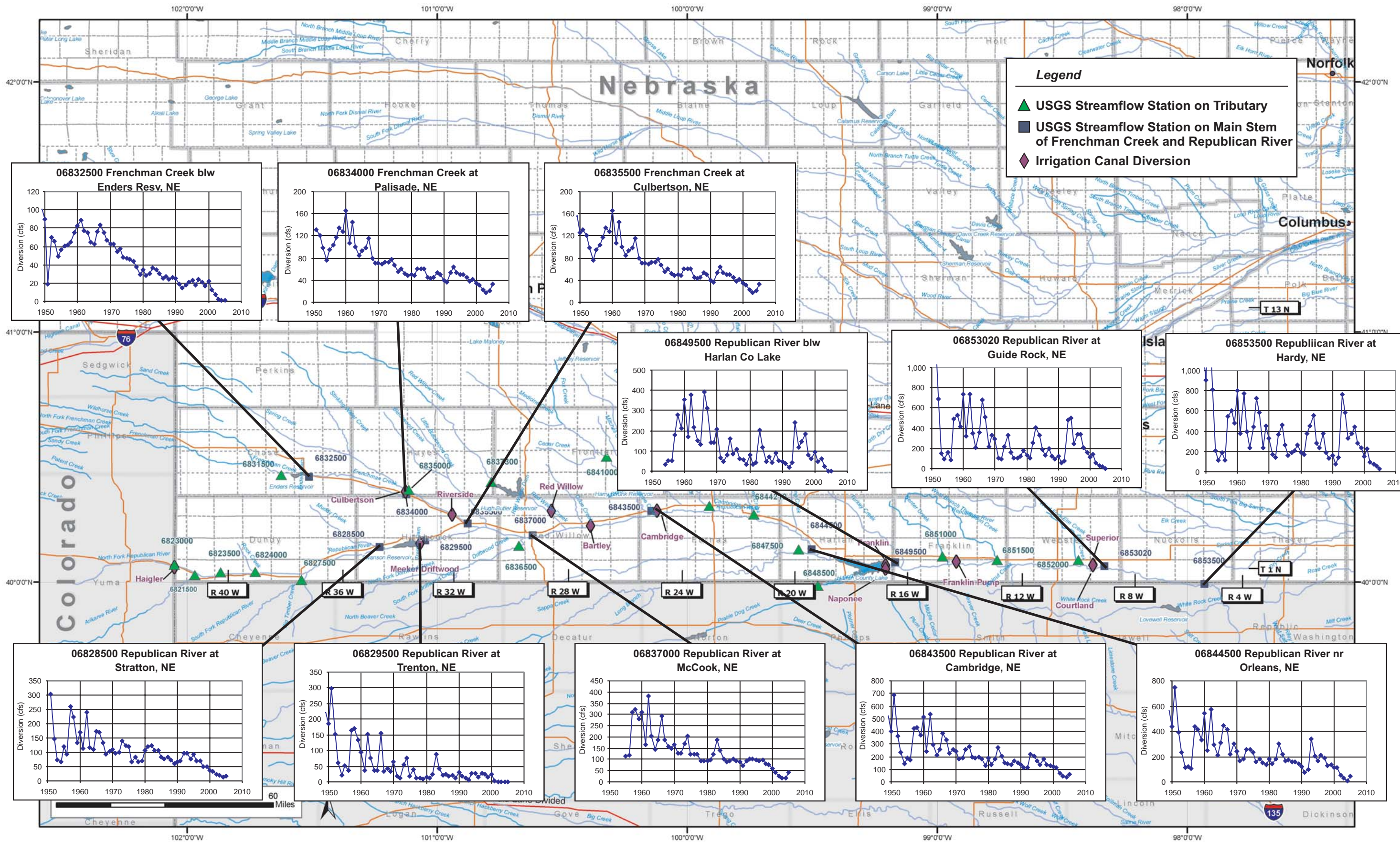


Figure 17. Streamflow at Main Stem Stations on Republican River and Frenchman Creek

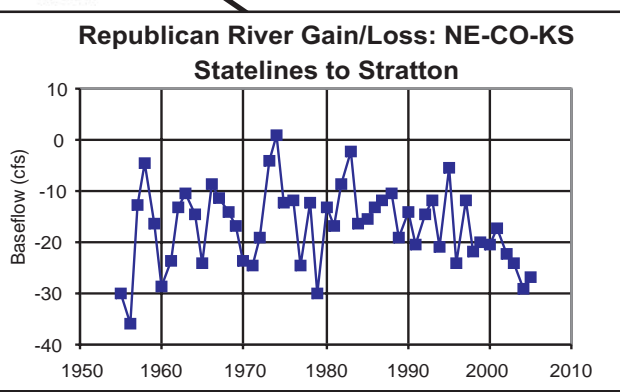
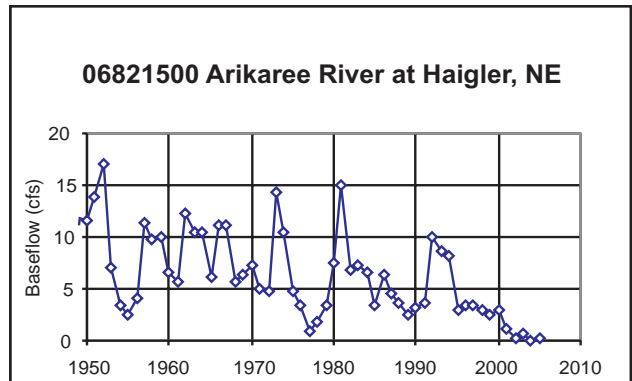
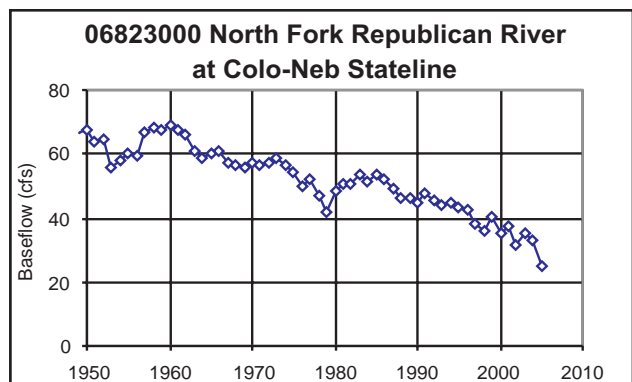
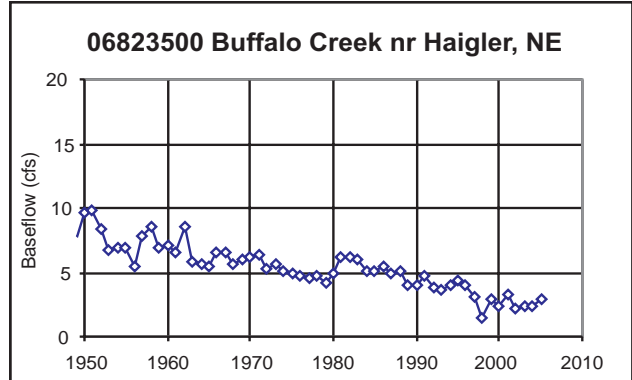
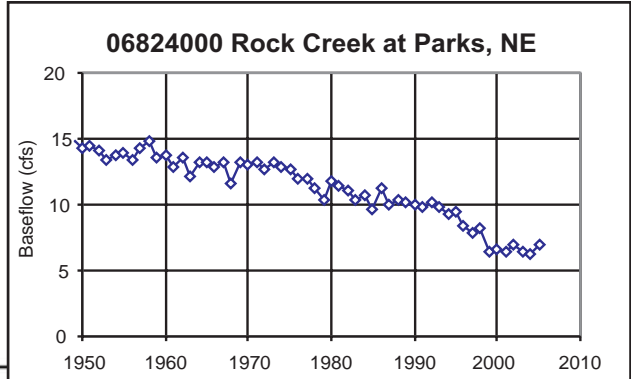
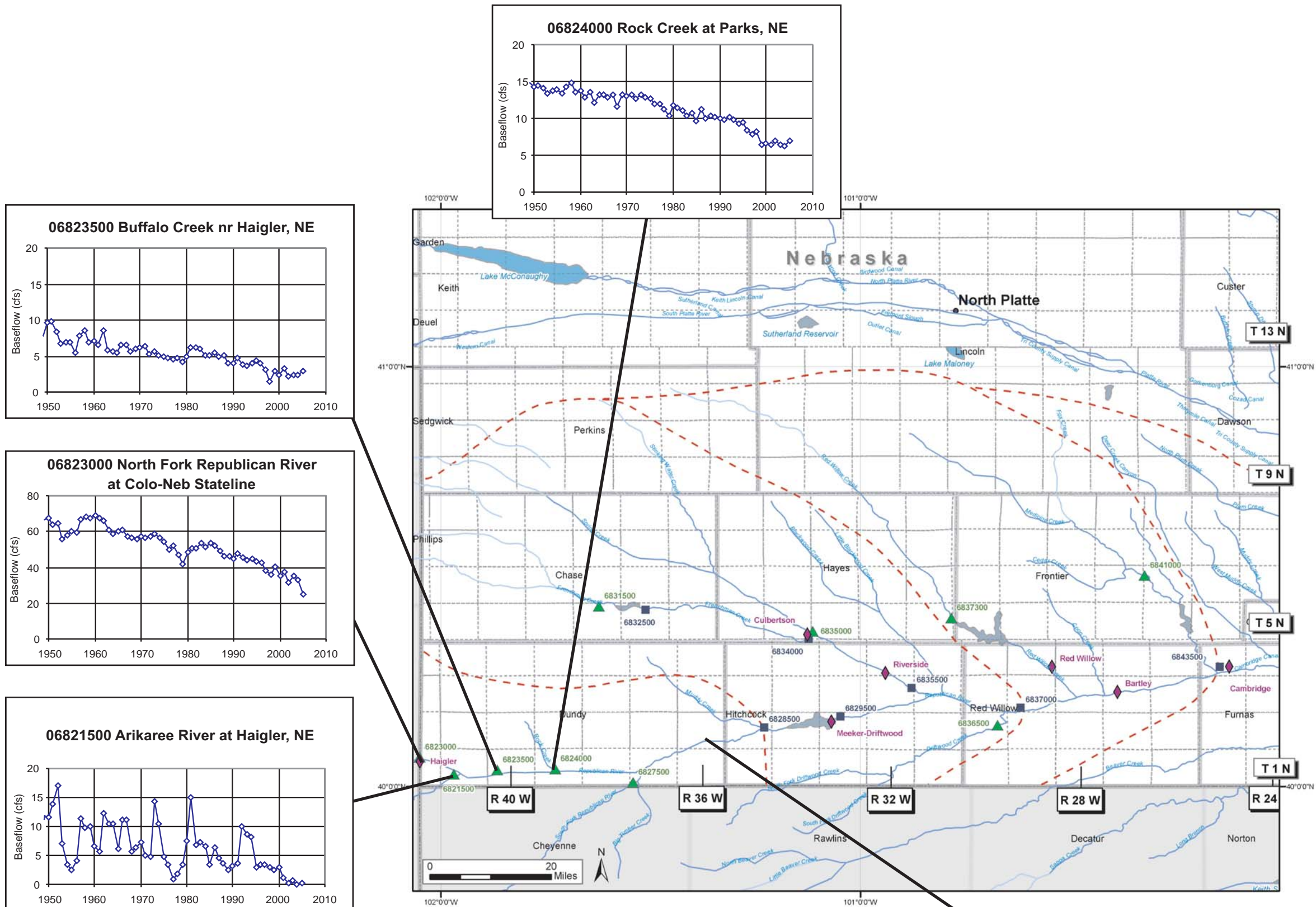


Figure 18. Baseflow Hydrographs for Tributaries and Main Stem Reach in Stateline to Swanson Lake Groundwater Flow Zone

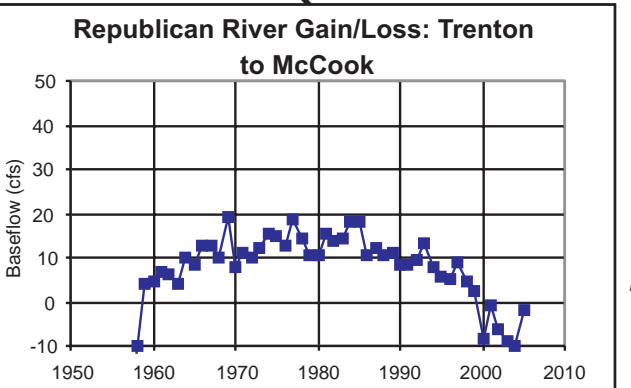
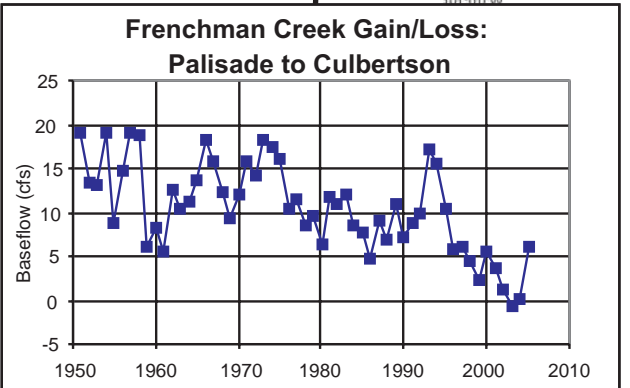
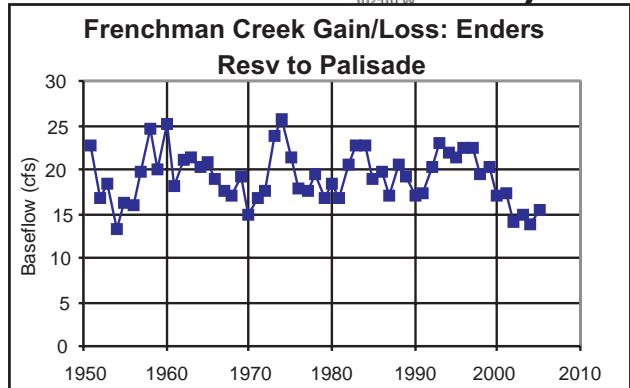
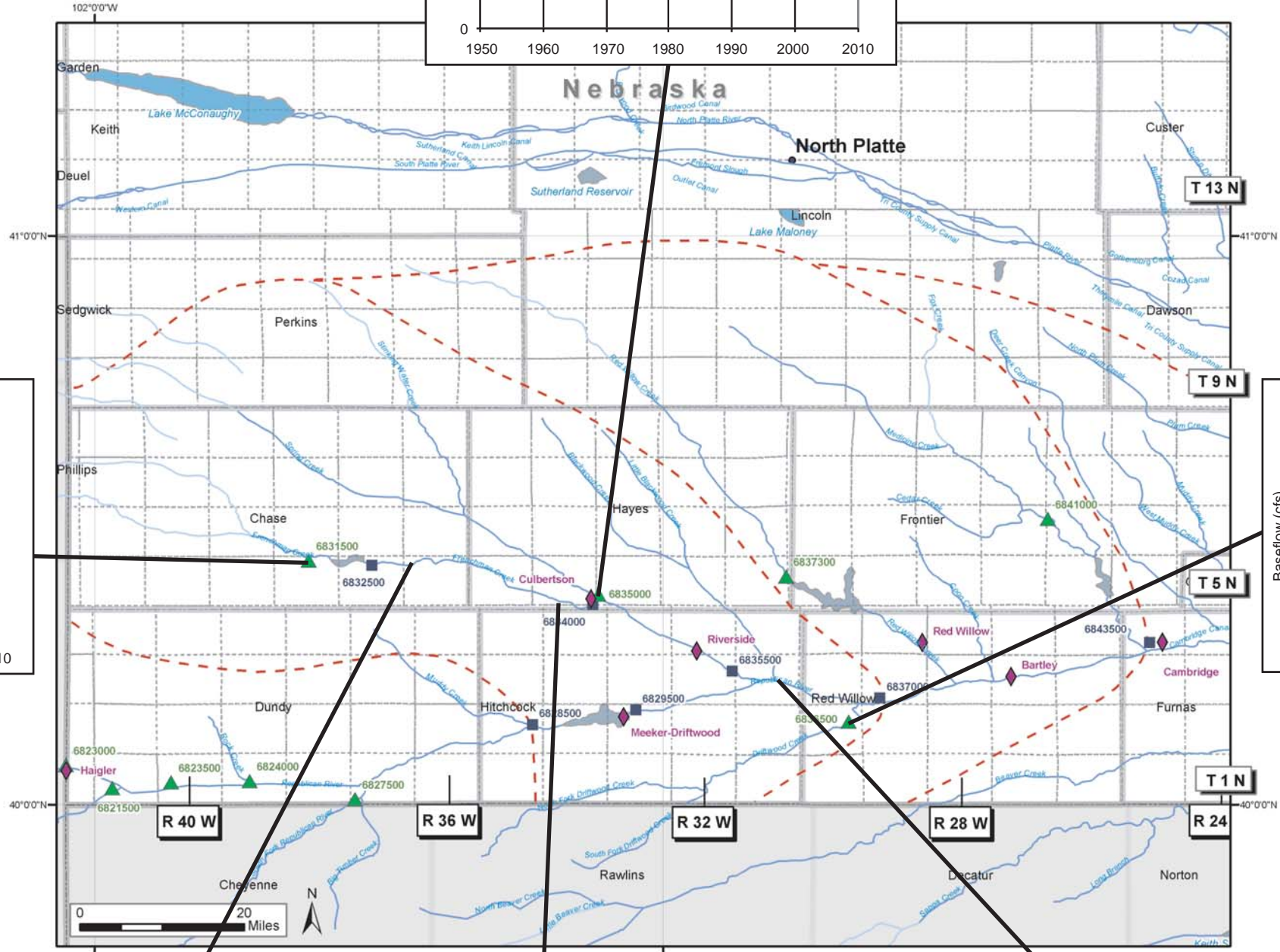
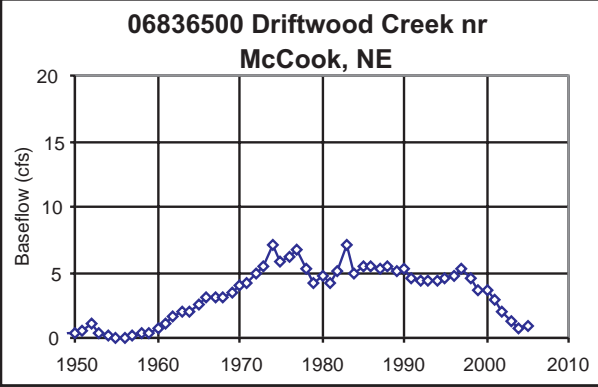
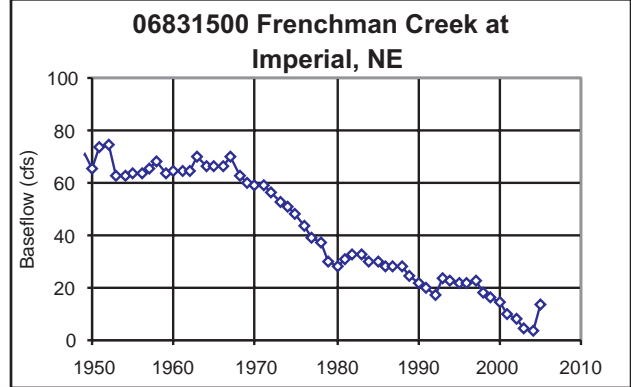
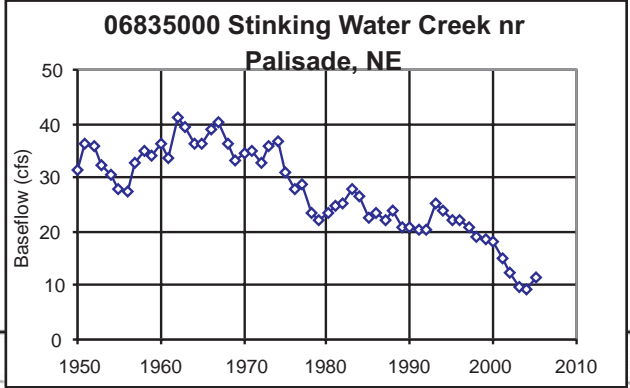


Figure 19. Baseflow Hydrographs for Tributaries and Main Stem Reaches in Swanson Lake to McCook Groundwater Flow Zone



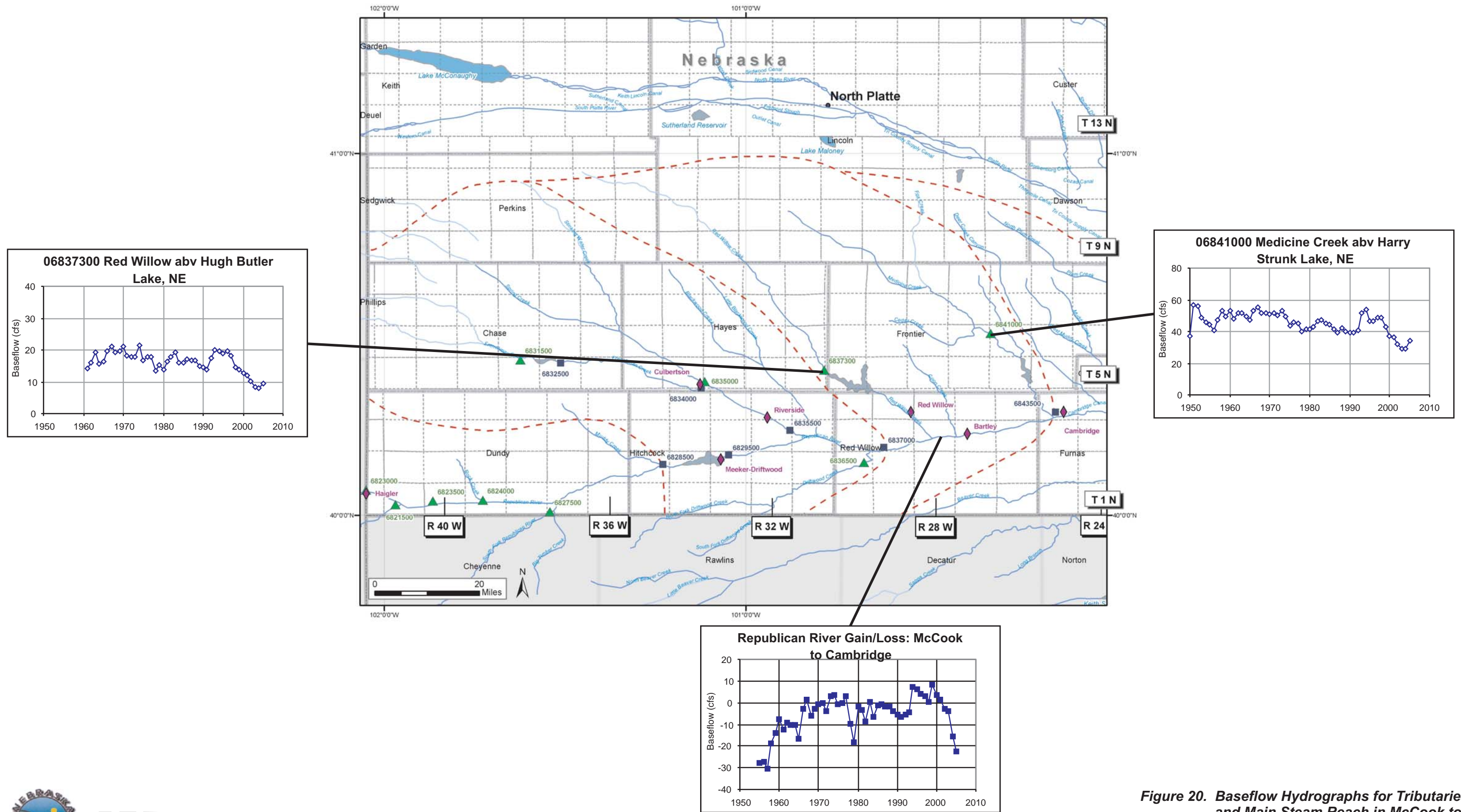


Figure 20. Baseflow Hydrographs for Tributaries and Main Stem Reach in McCook to Cambridge Groundwater Flow Zone

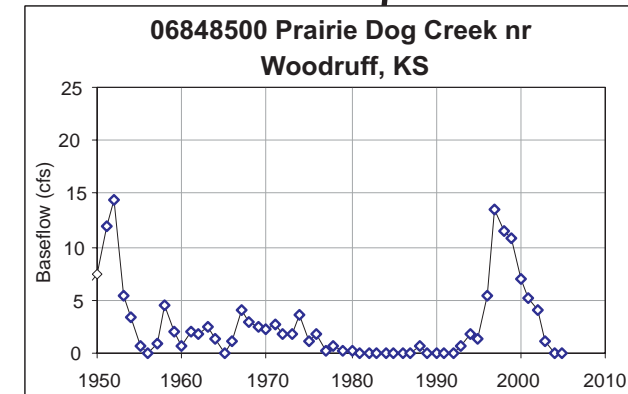
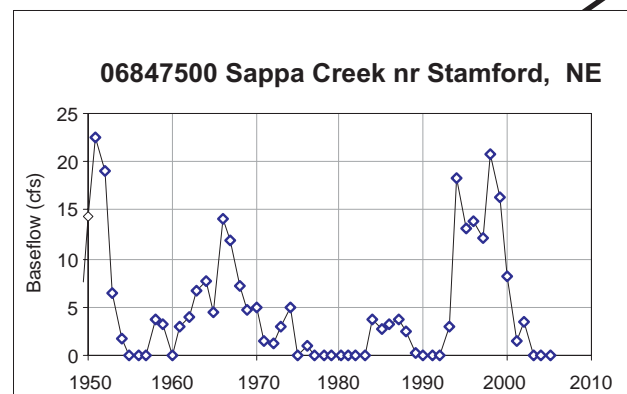
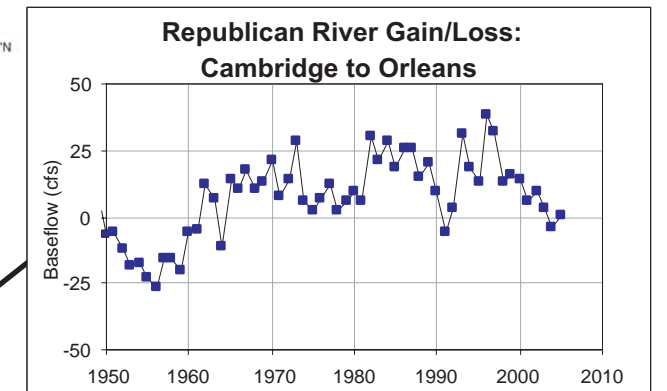
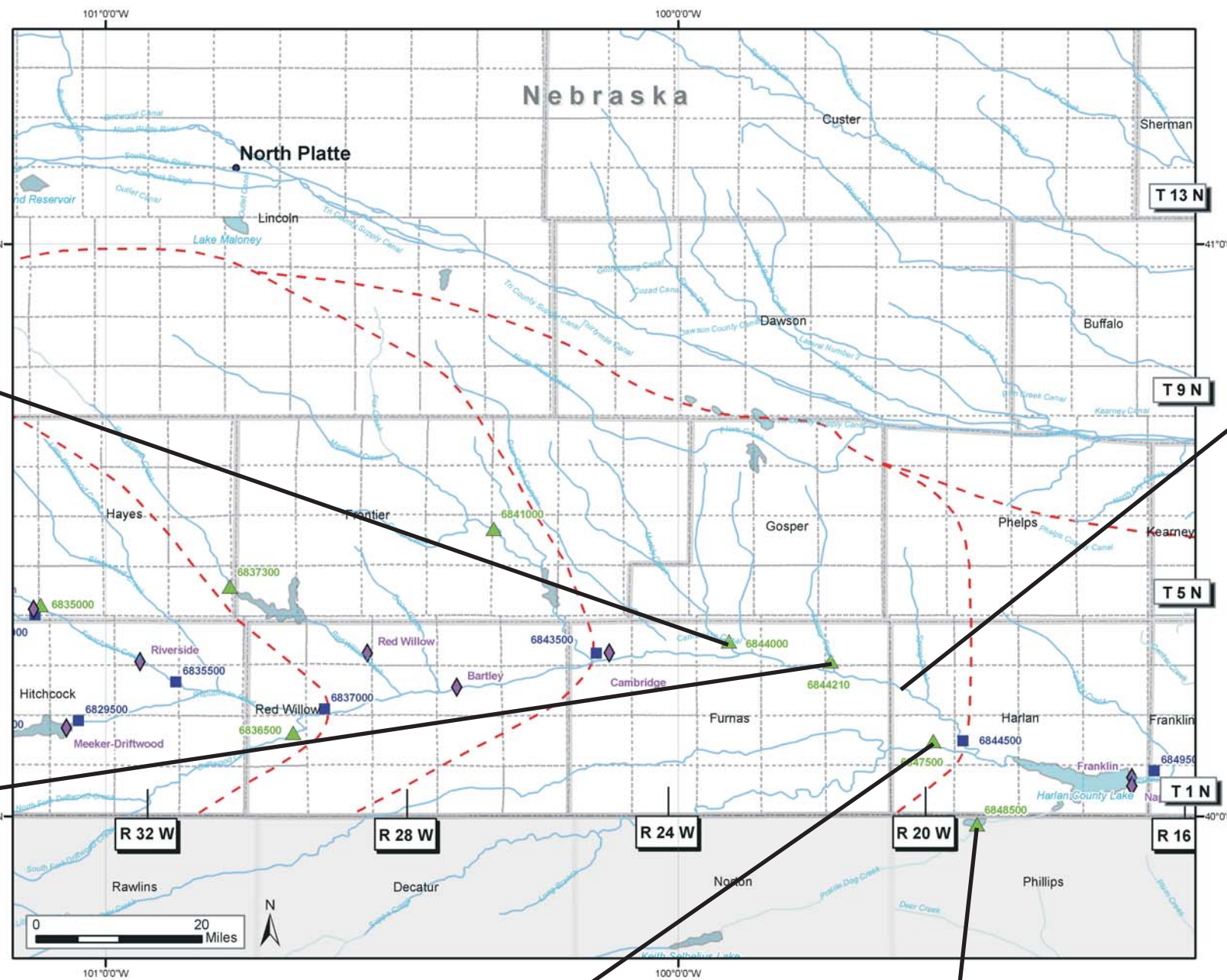
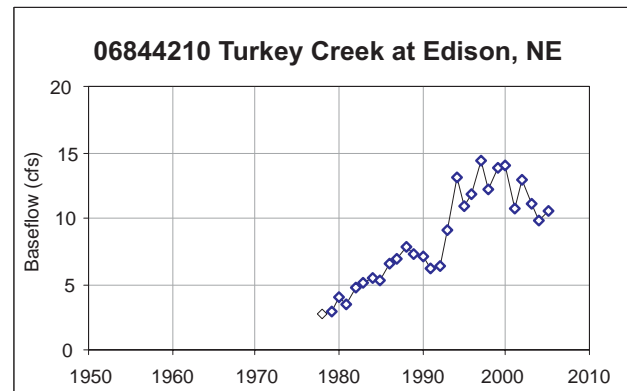
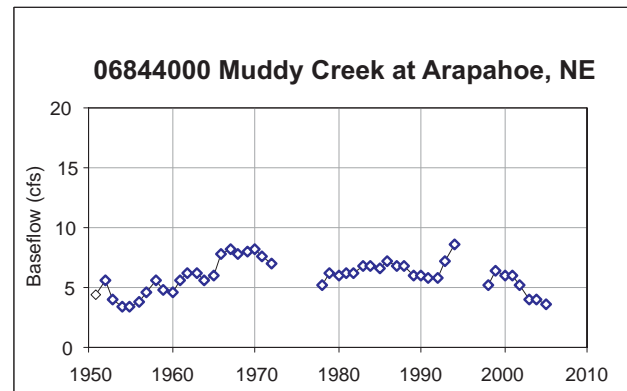


Figure 21. Baseflow Hydrographs for Tributaries and Main Stem Reach in Cambridge to Harlan County Lake Groundwater Flow Zone

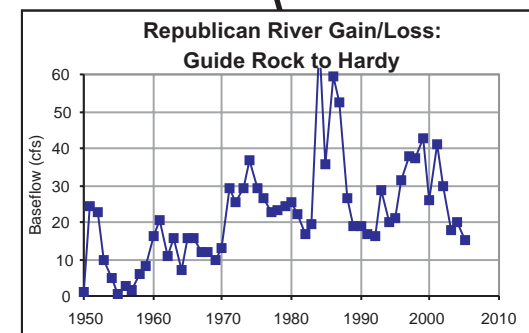
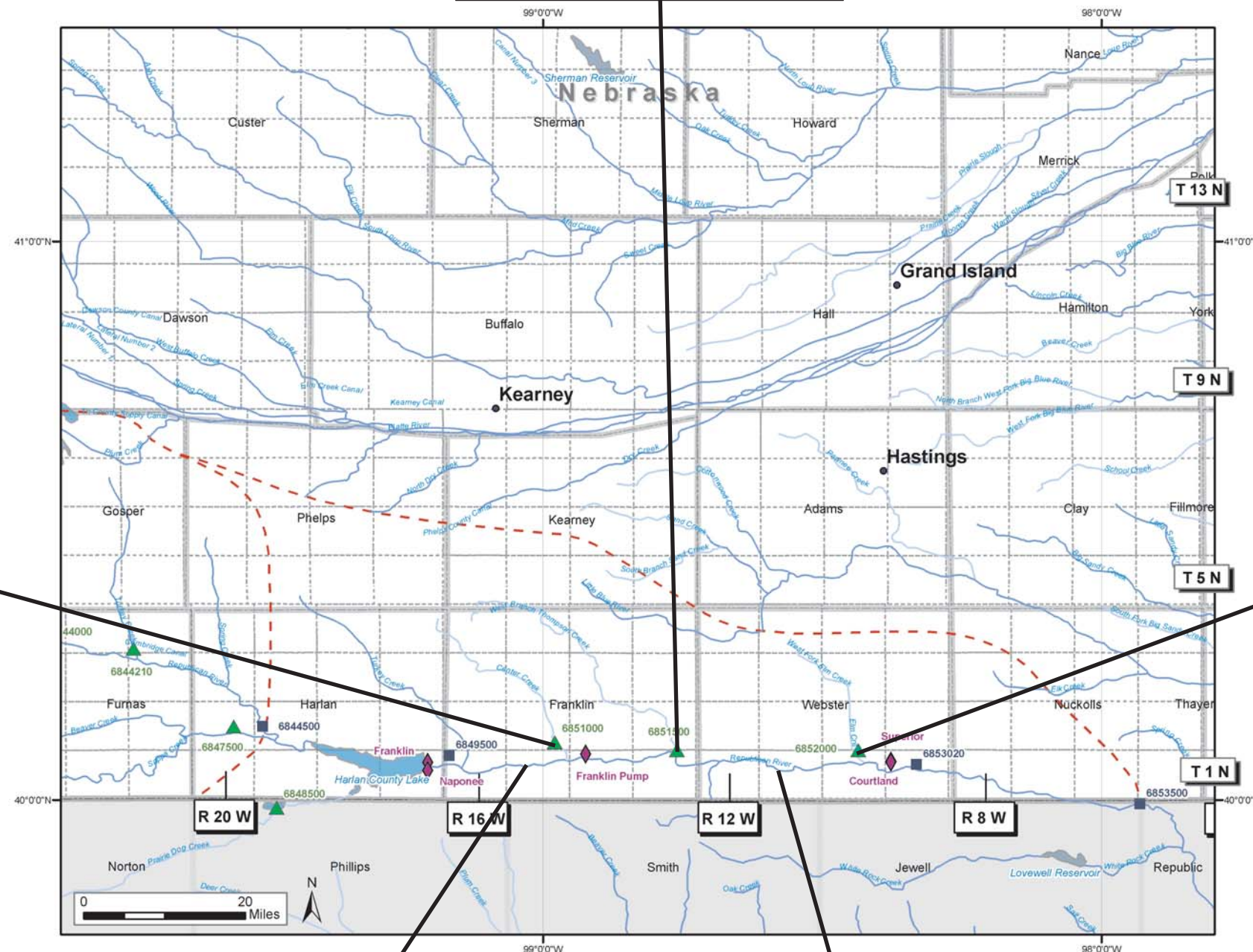
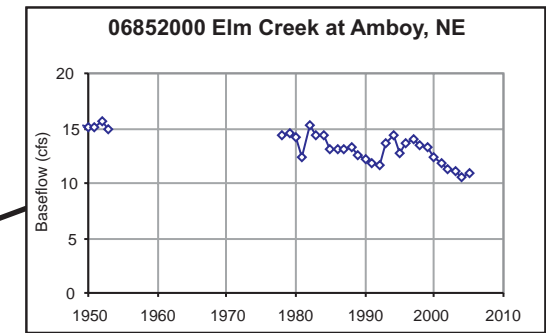
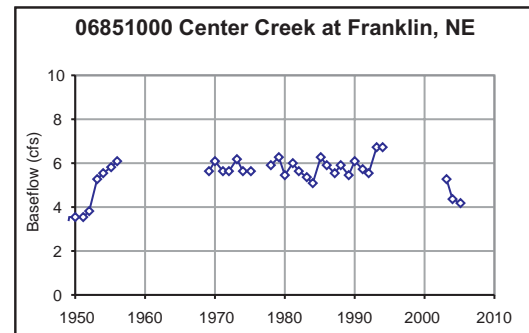
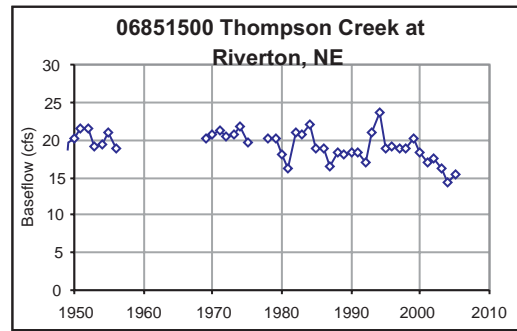


Figure 22. Baseflow Hydrographs for Tributaries and Main Stem Reach in Harlan County Lake to Hardy Groundwater Flow Zone

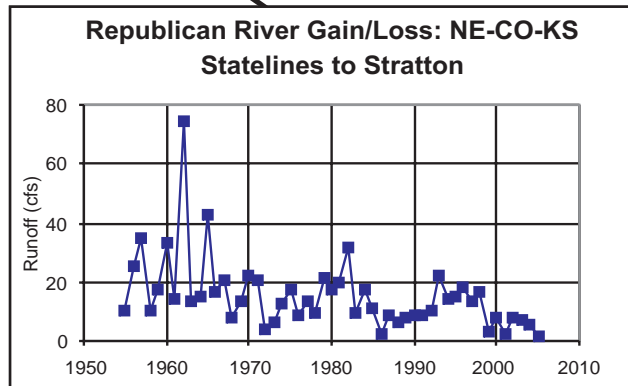
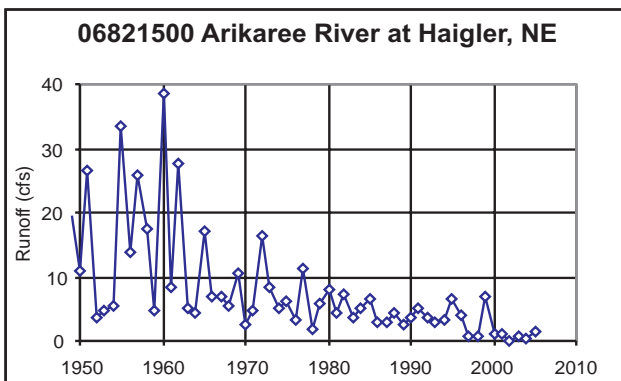
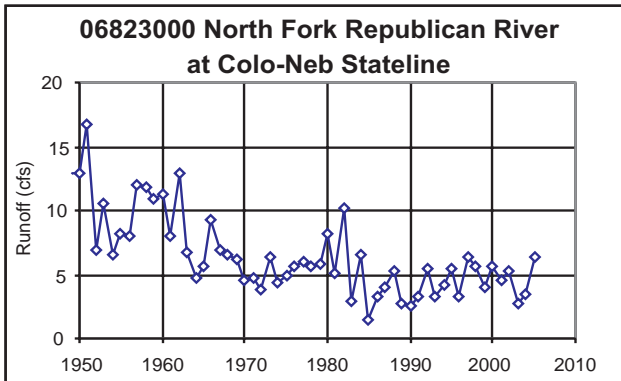
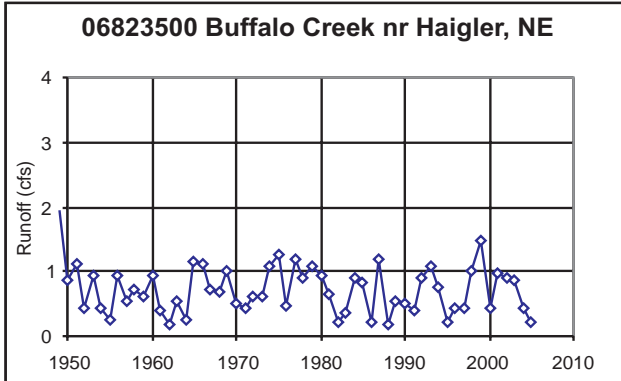
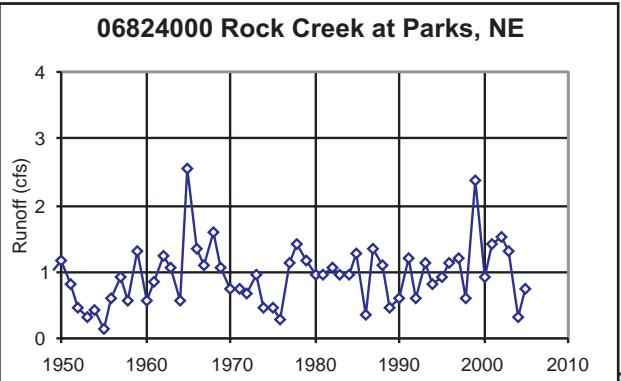
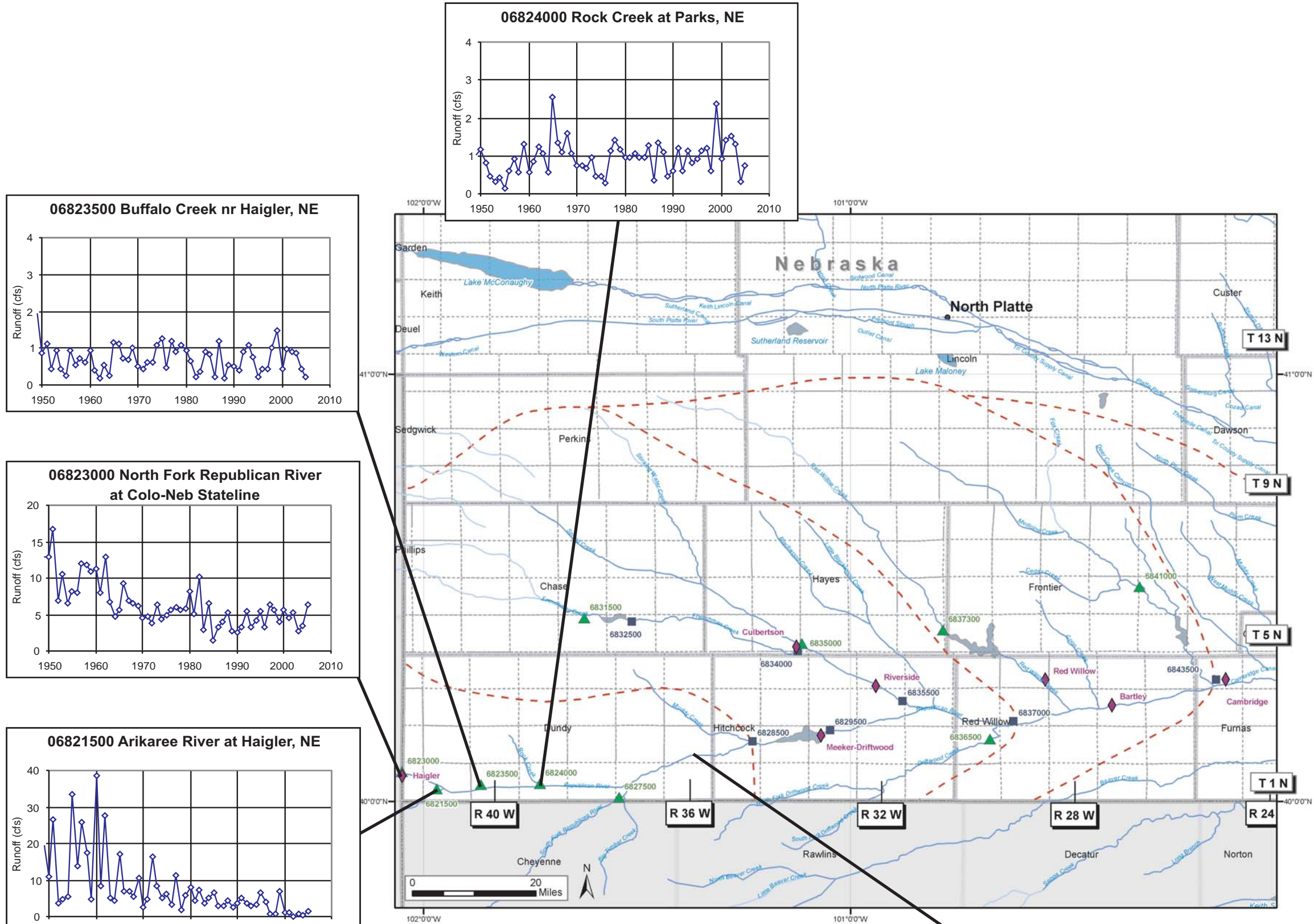


Figure 23. Runoff Hydrographs for Tributaries and Main Stem Reach in Stateline to Swanson Lake Groundwater Flow Zone



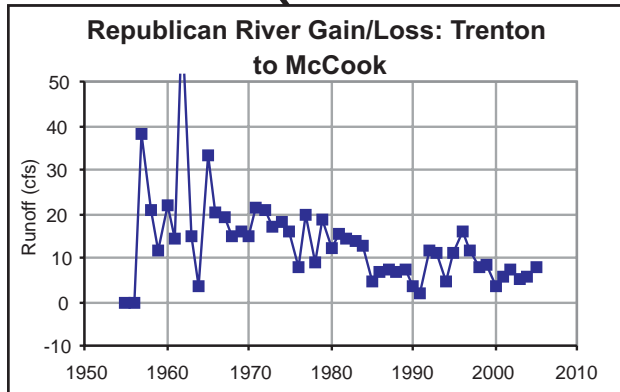
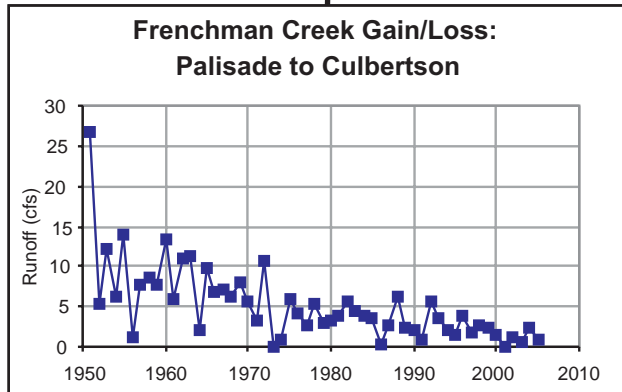
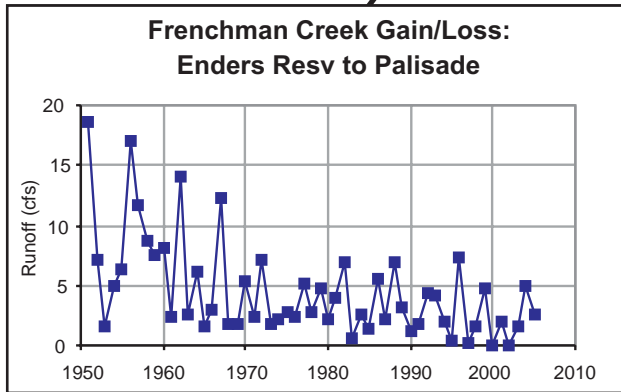
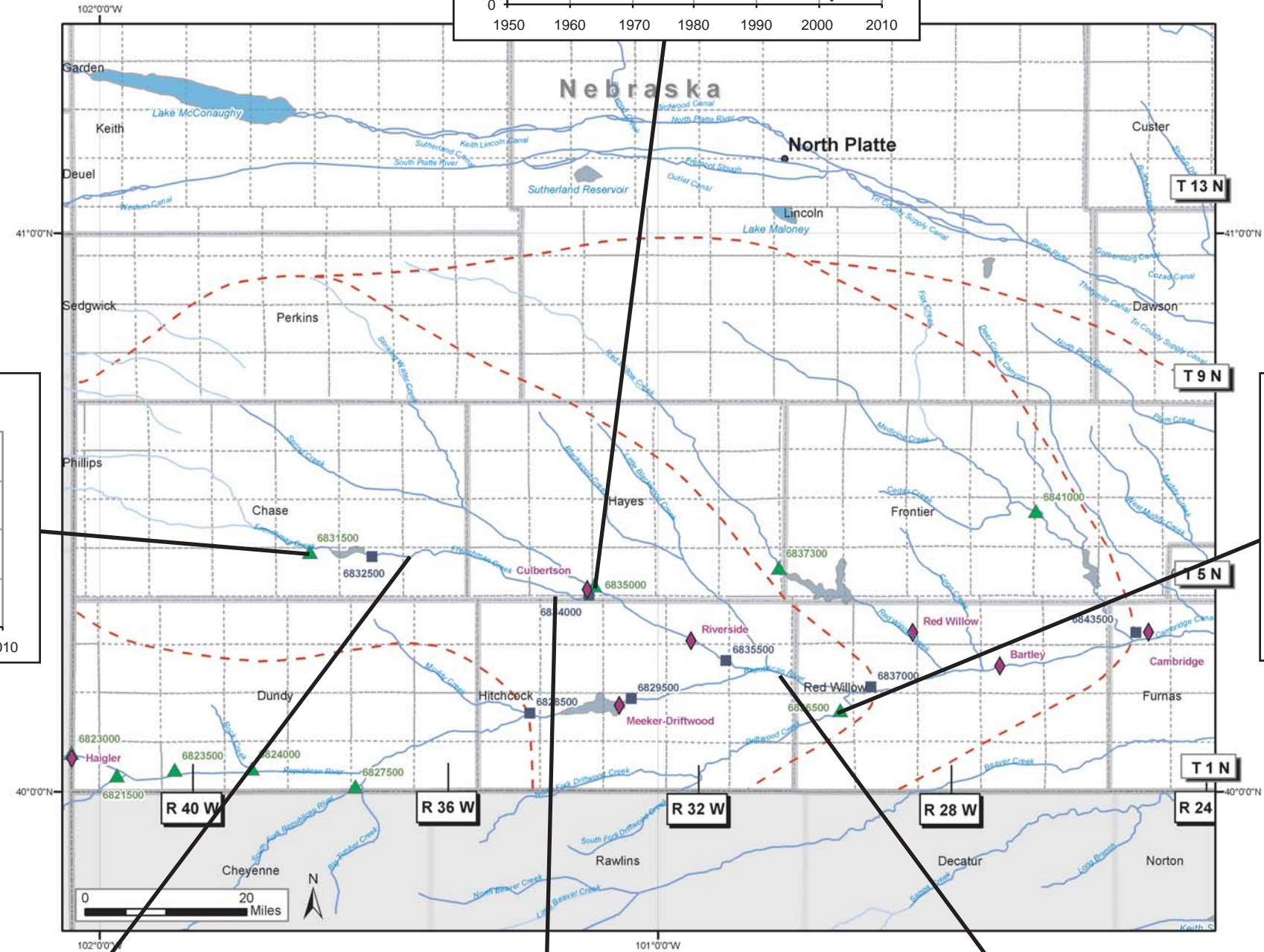
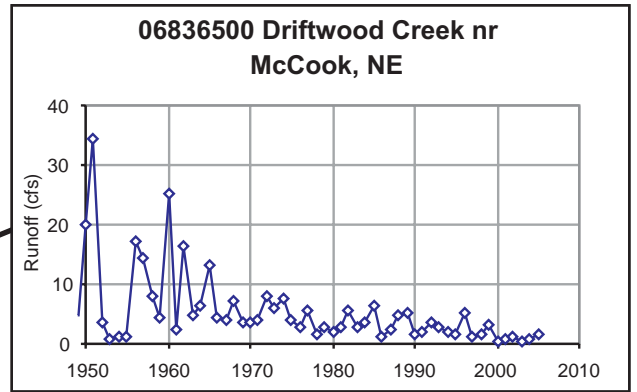
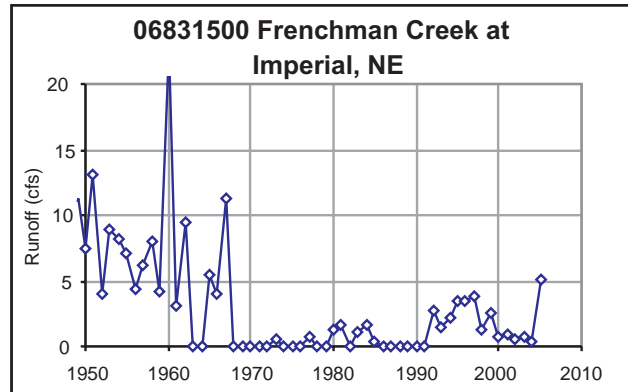
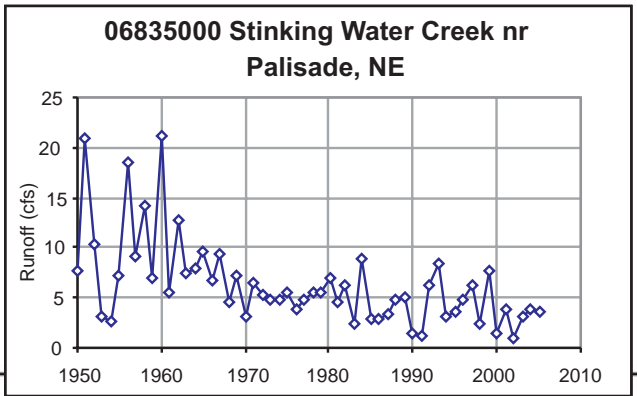


Figure 24. Runoff Hydrographs for Tributaries and Main Stem Reaches in Swanson Lake to McCook Groundwater Flow Zone



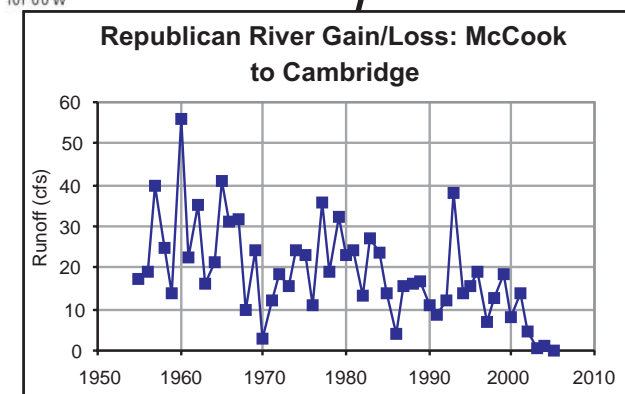
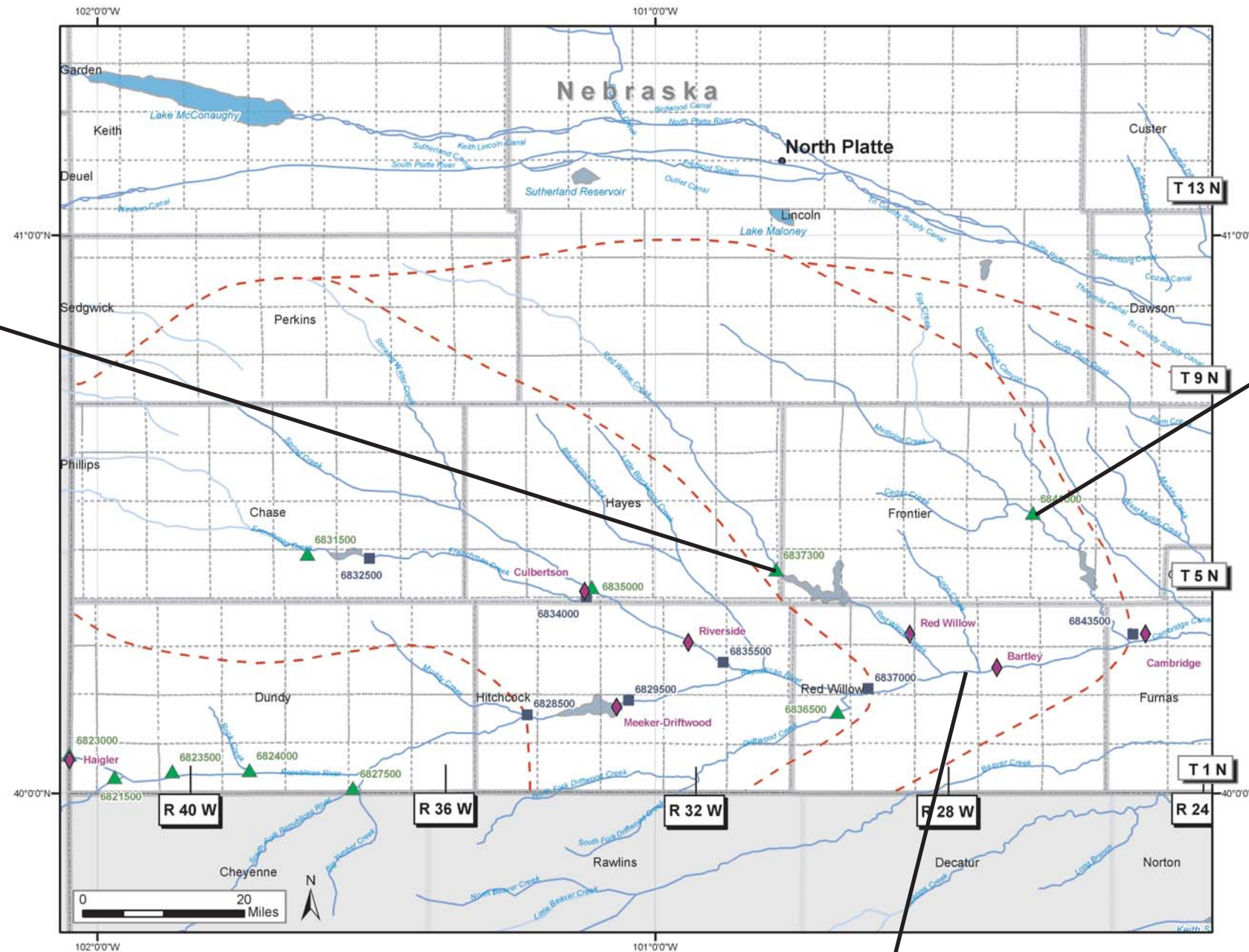
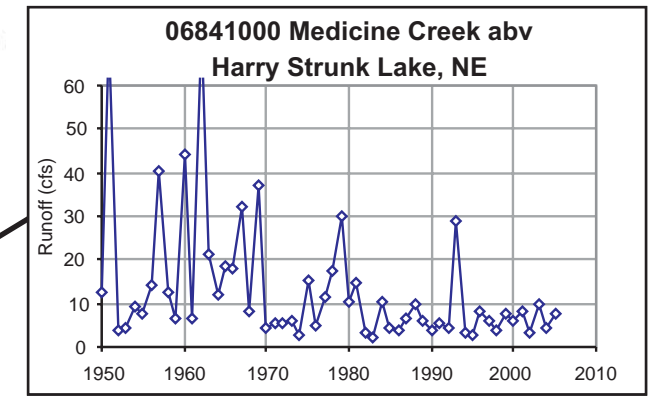
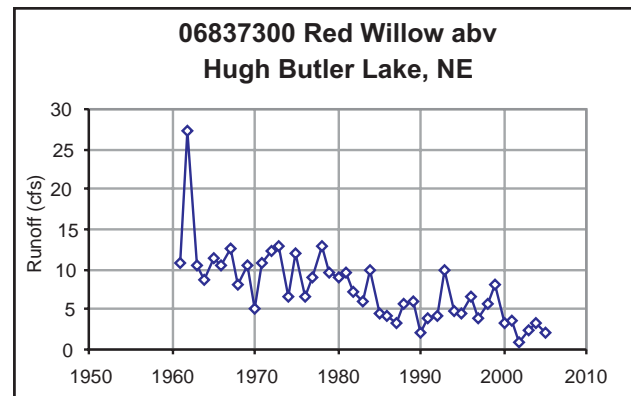


Figure 25. Runoff Hydrographs for Tributaries and Main Stem Reach McCook to Cambridge Groundwater

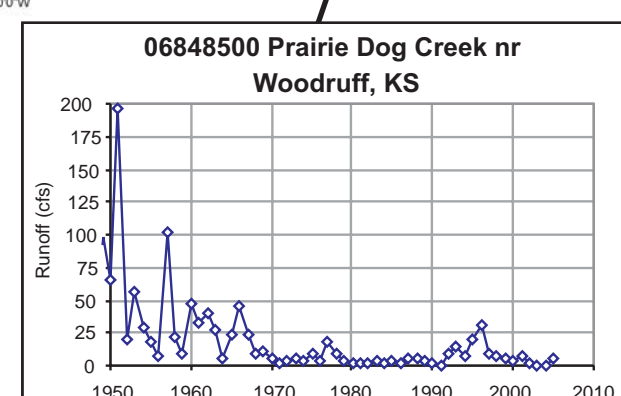
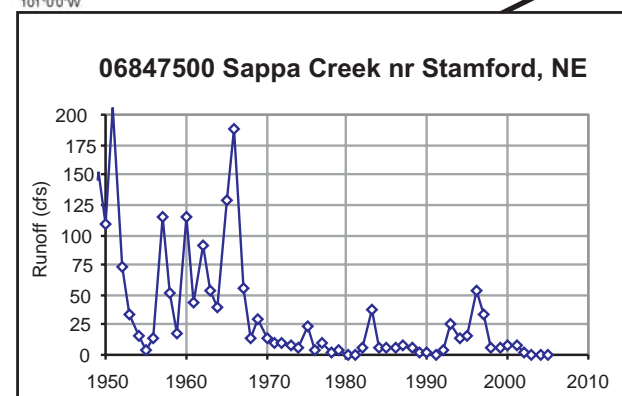
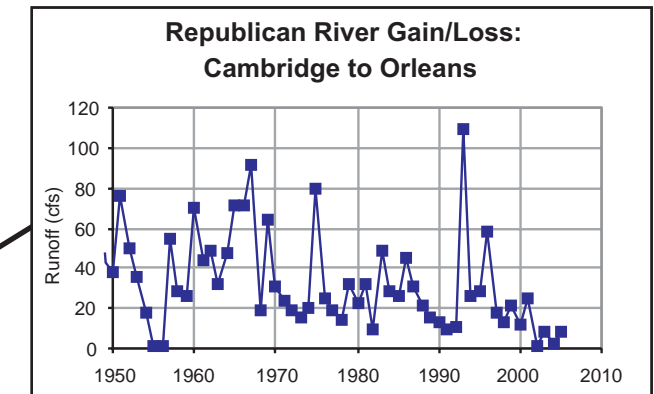
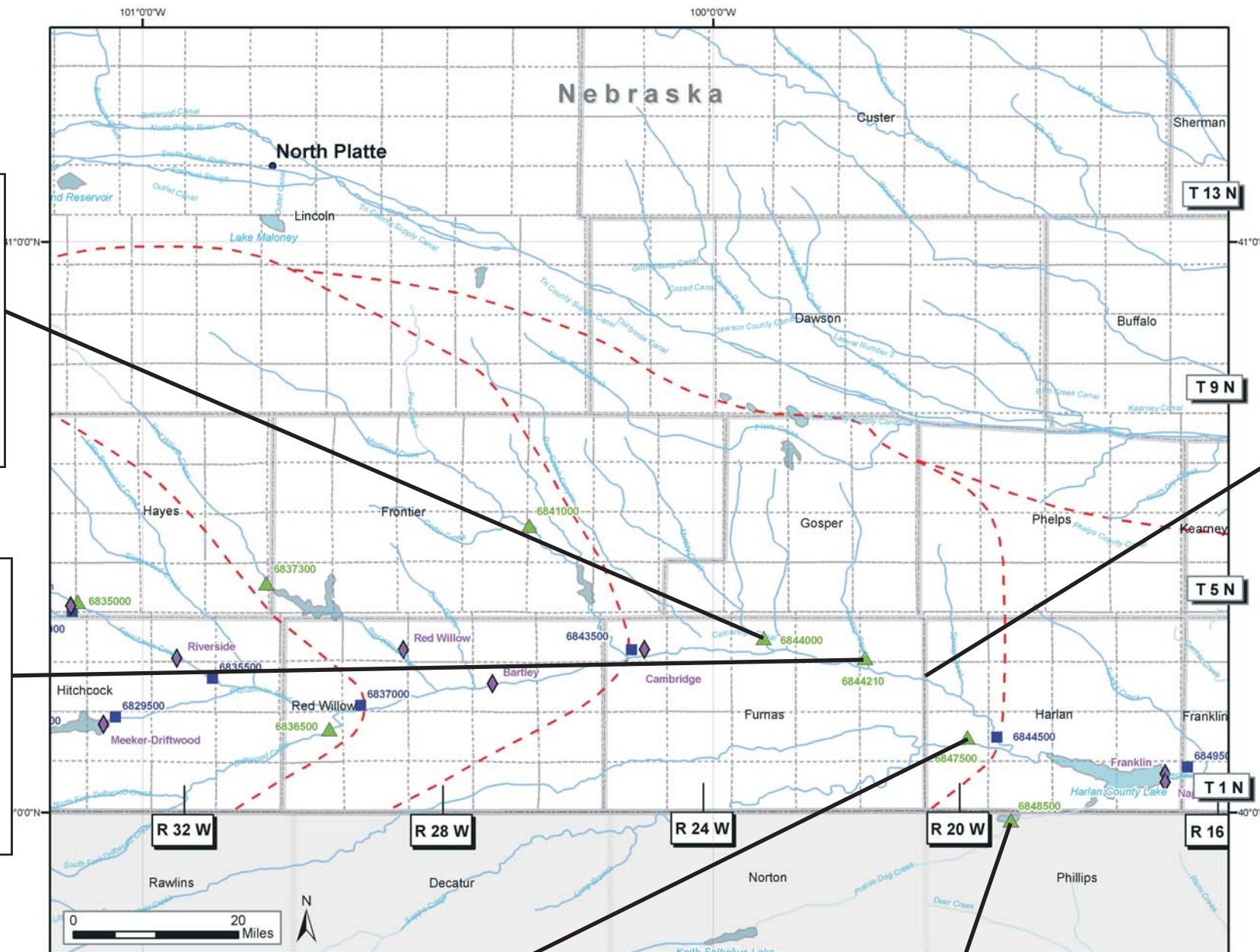
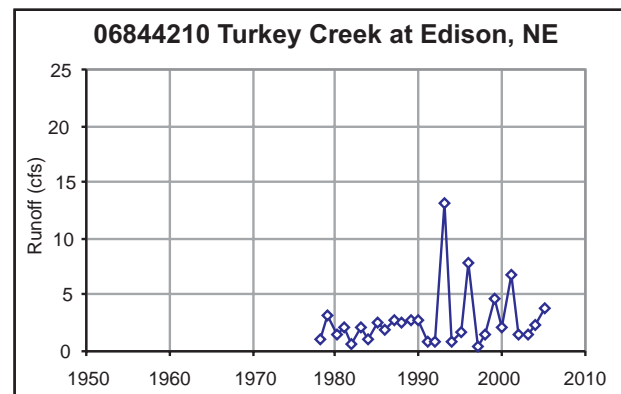
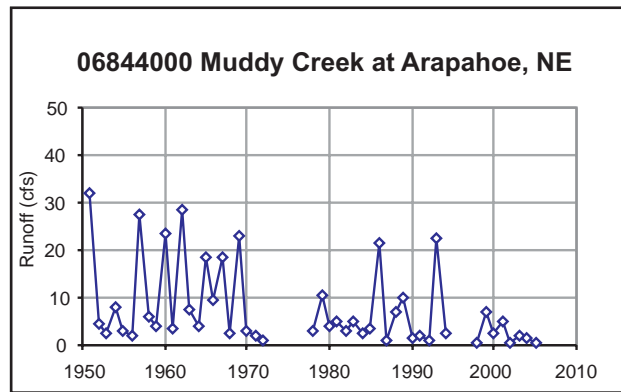


Figure 26. Runoff Hydrographs for Tributaries and Main stem Reach Cambridge to Harlan County Lake Groundwater Flow Zone

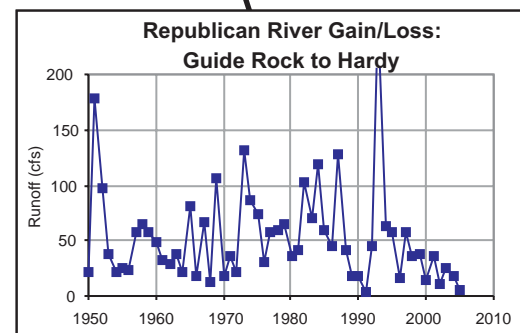
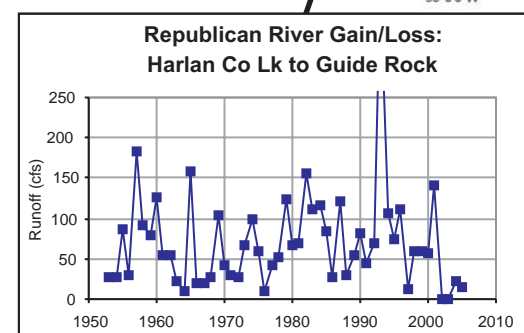
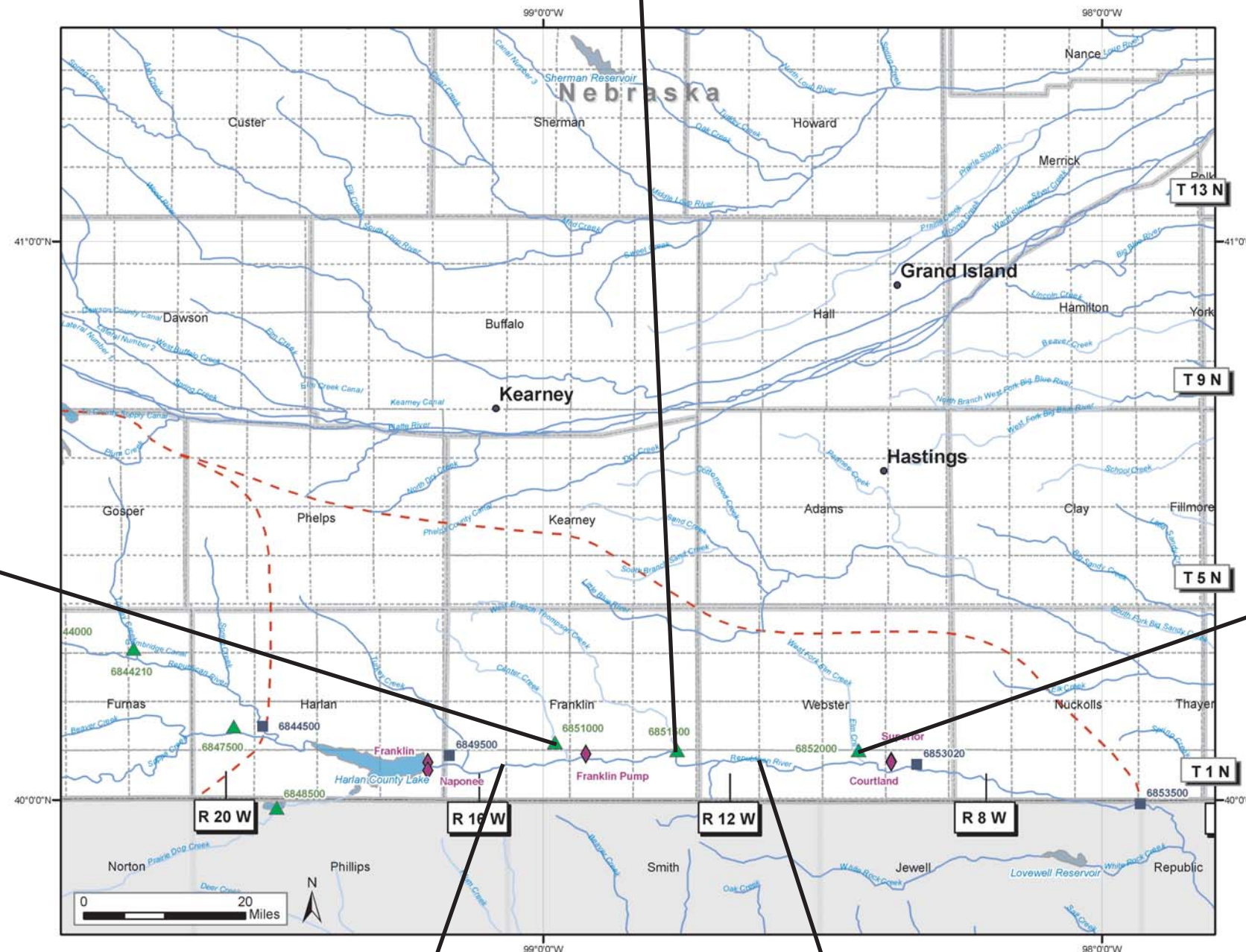
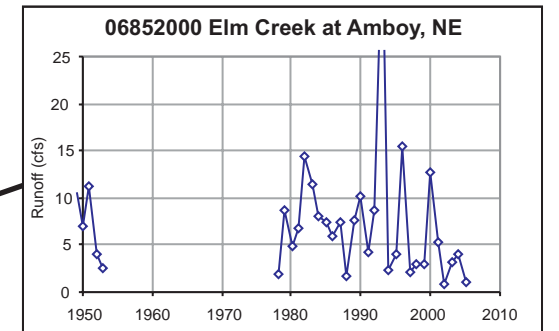
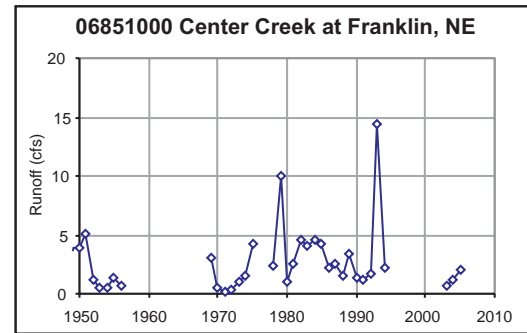
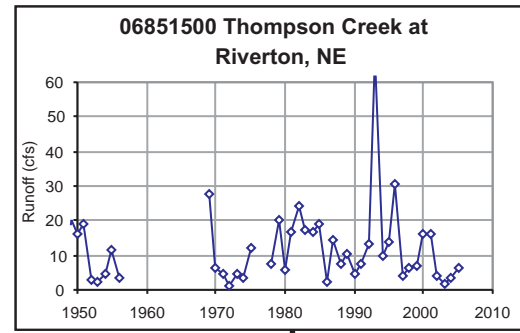


Figure 27. Runoff Hydrographs for Tributaries and Main Stem Reach in Harlan County Lake to Hardy Groundwater Flow Zone

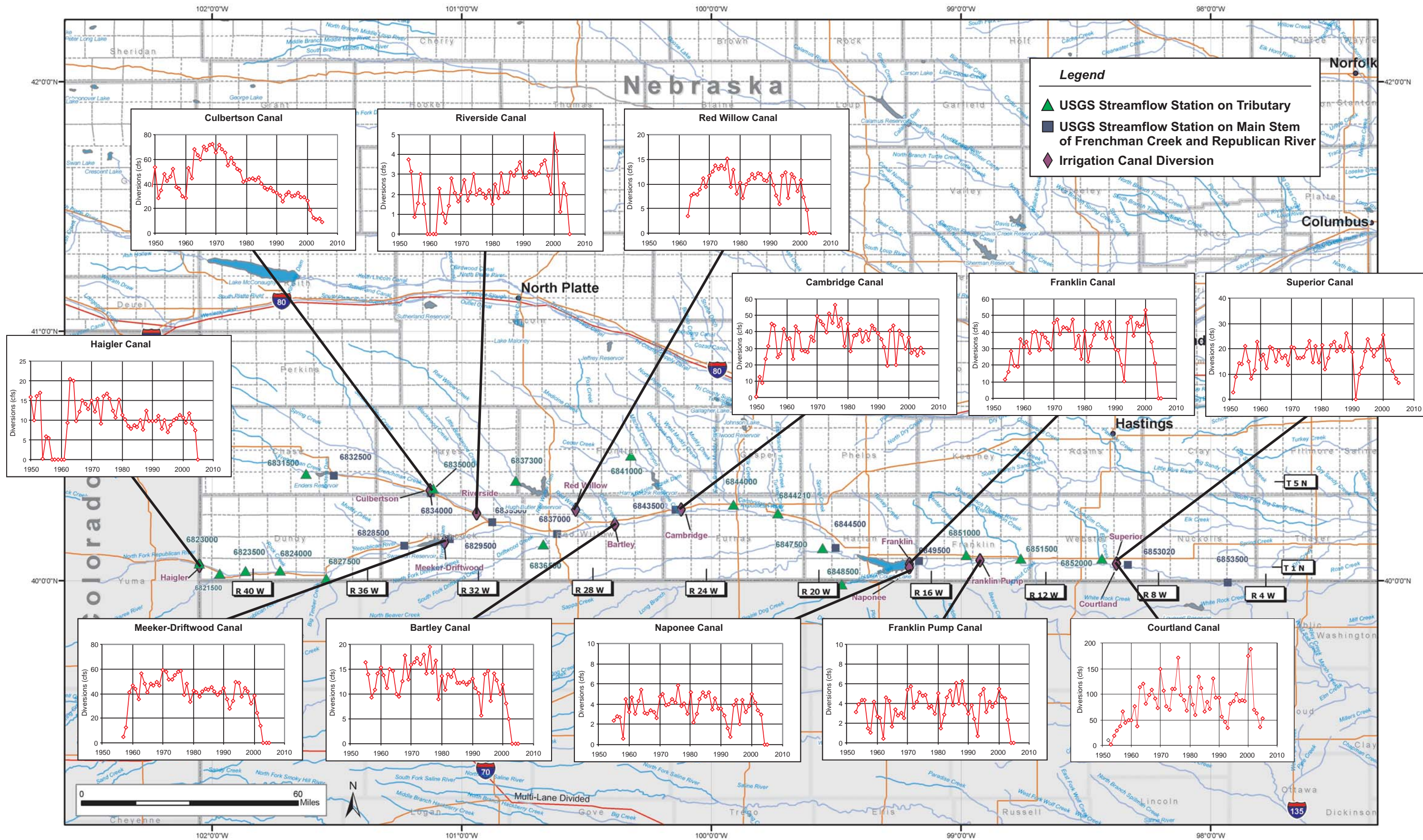
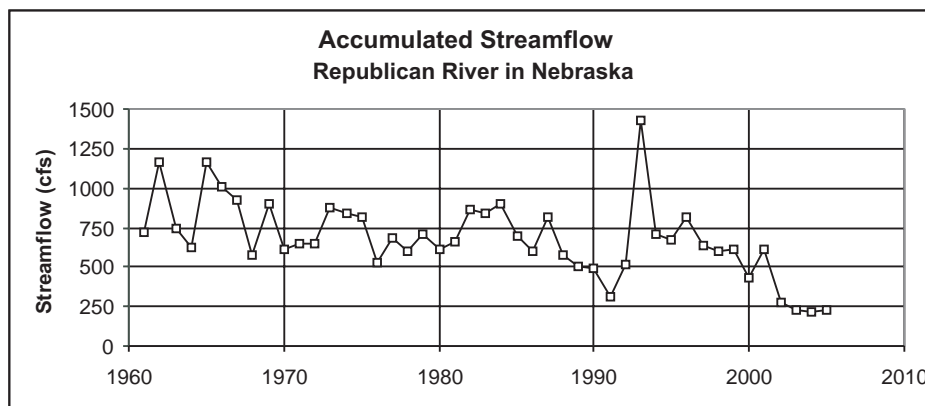
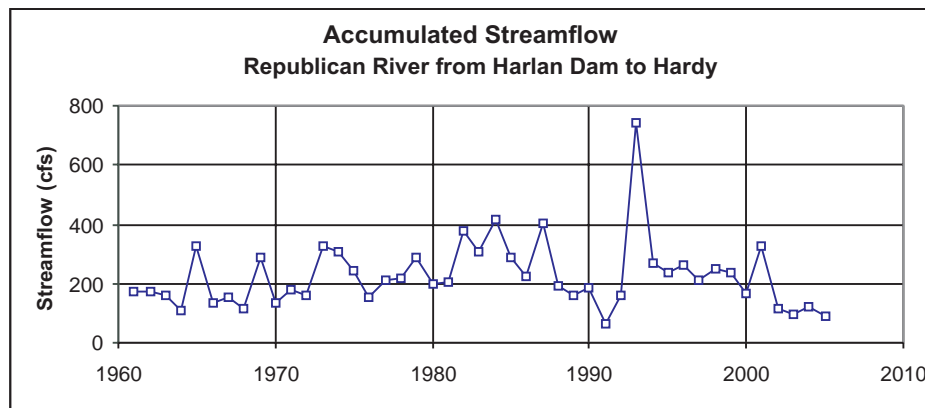
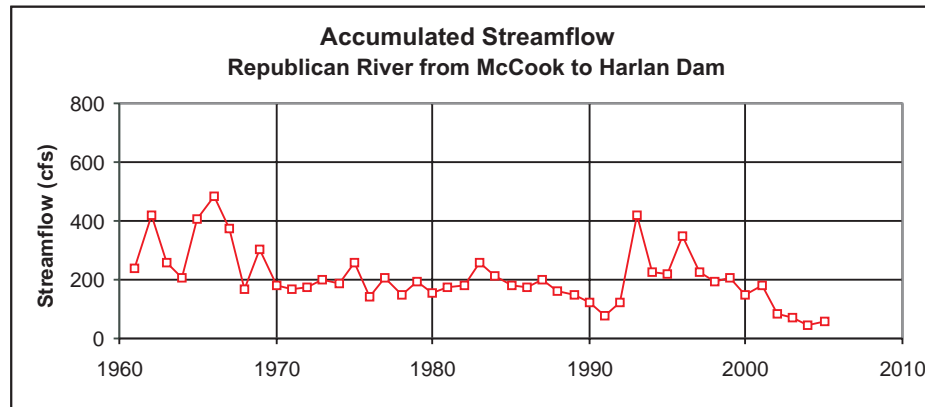
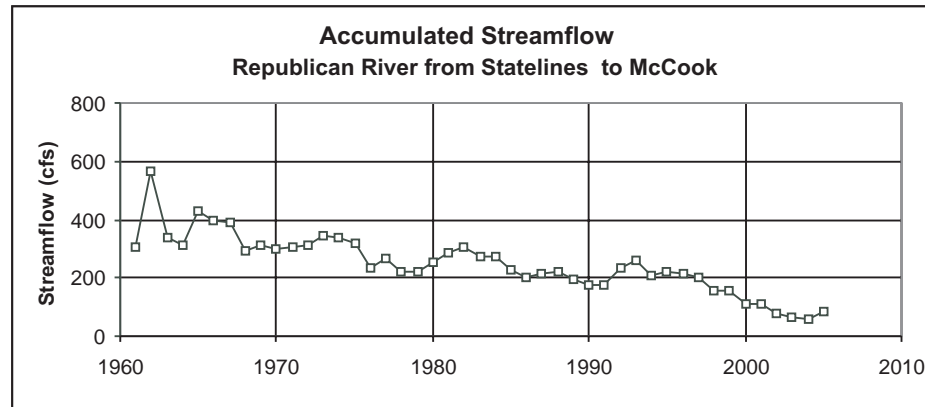


Figure 28. Annual Diversion Hydrographs for Major Canals in Republican River Basin in Nebraska

a. Total Streamflow



b. Baseflow

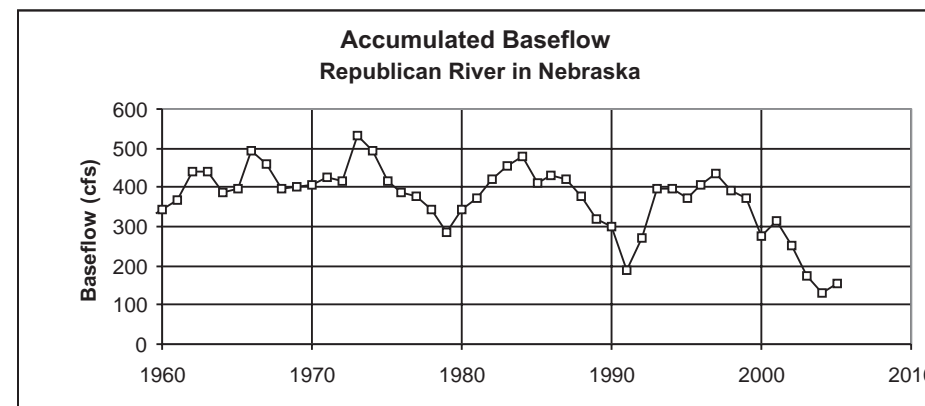
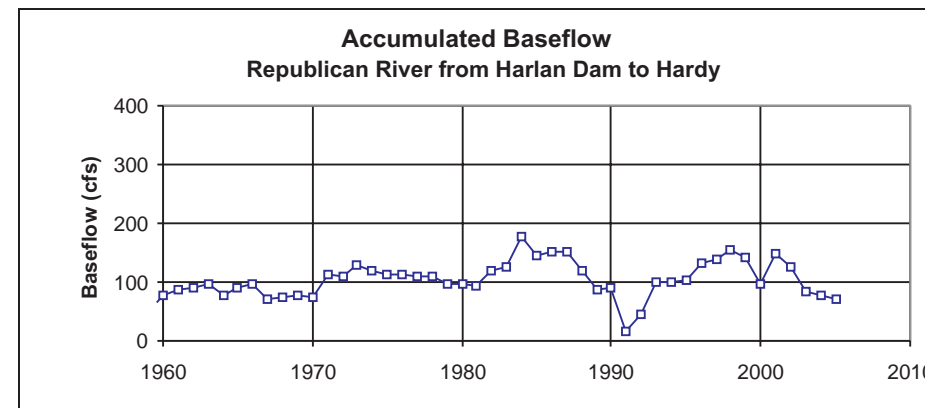
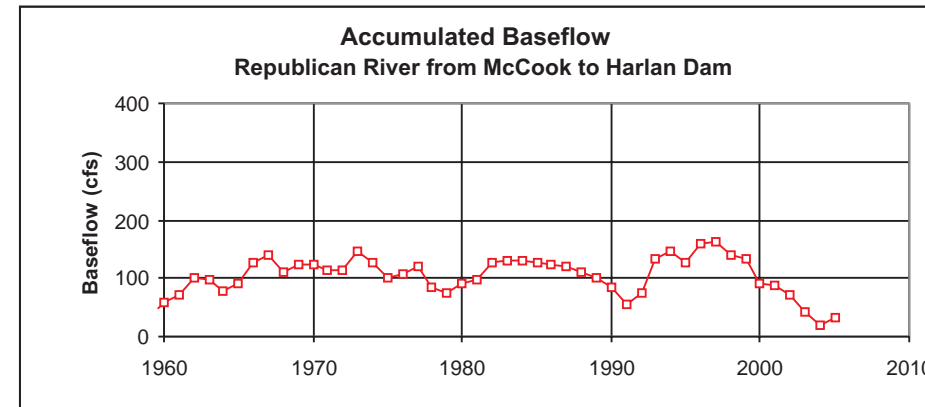
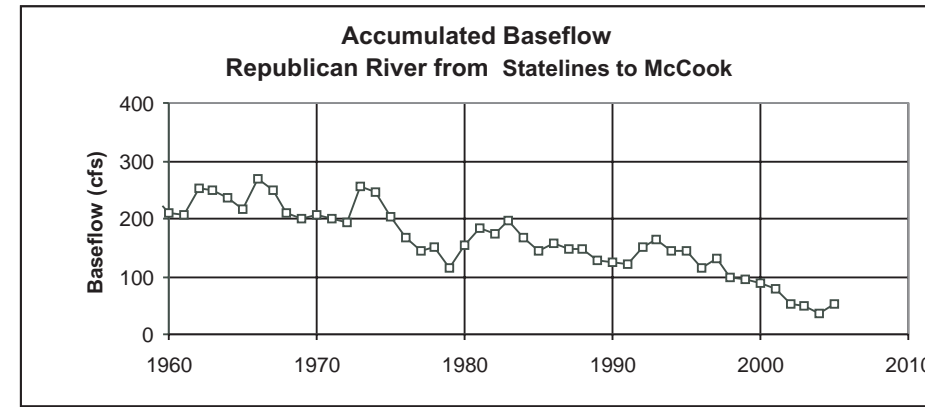


Figure 29. Hydrographs of Cumulative Inflow to the Republican River

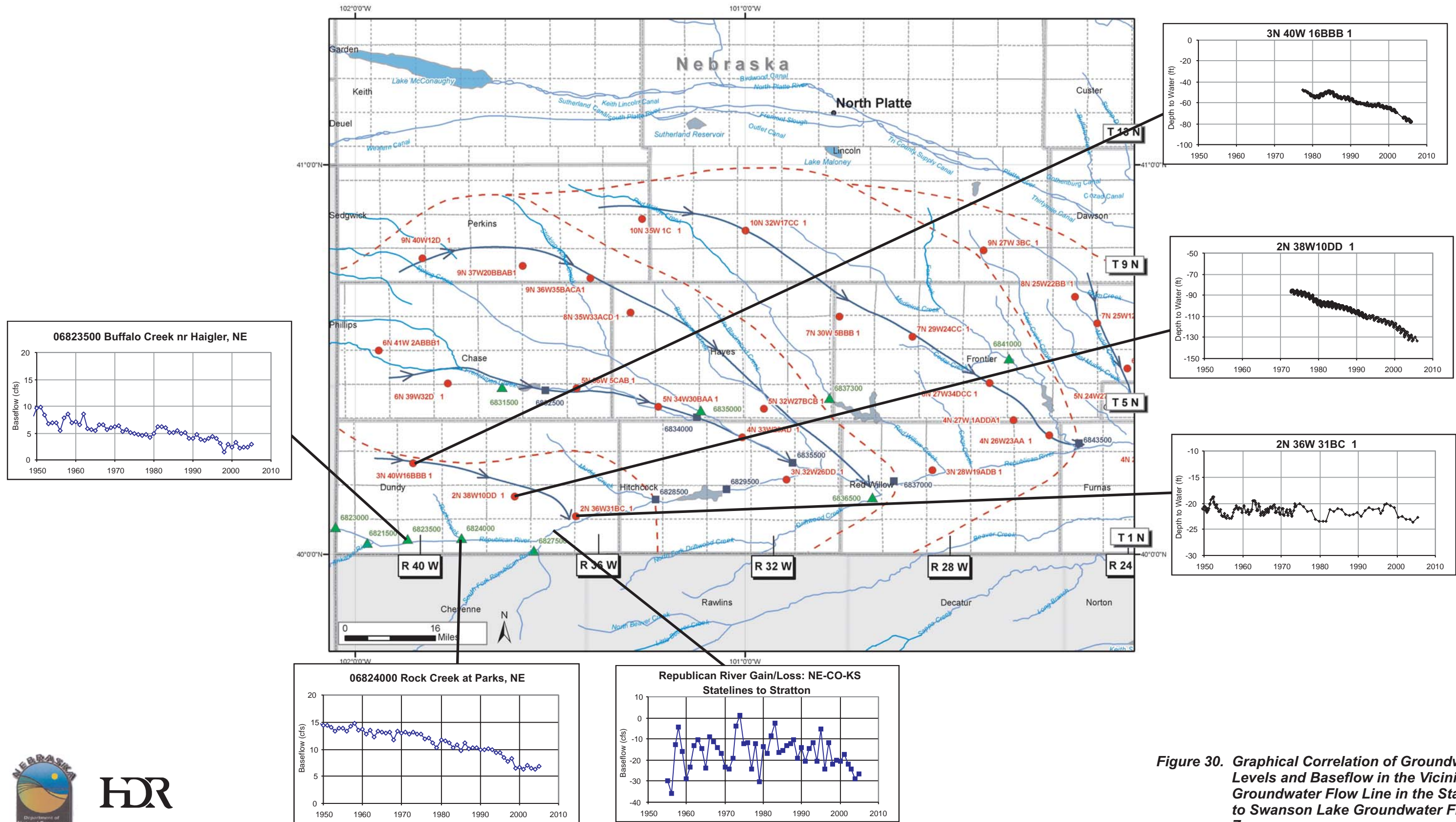


Figure 30. Graphical Correlation of Groundwater Levels and Baseflow in the Vicinity of a Groundwater Flow Line in the Stateline to Swanson Lake Groundwater Flow Zone

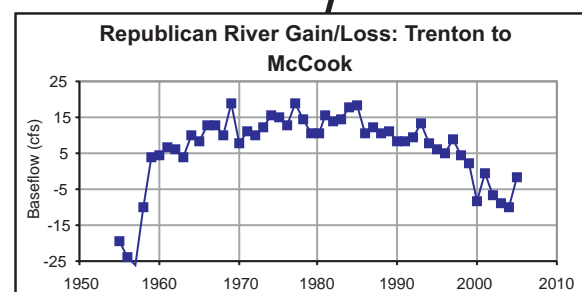
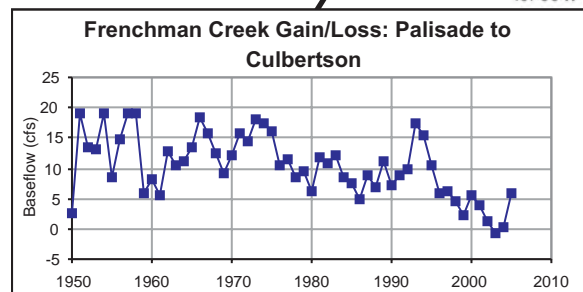
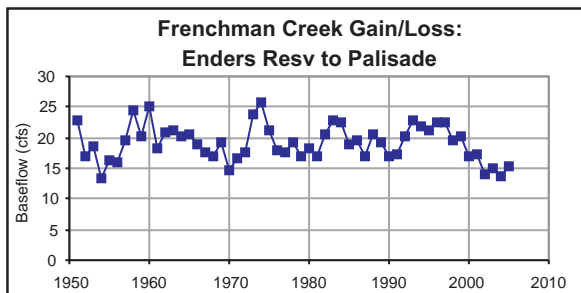
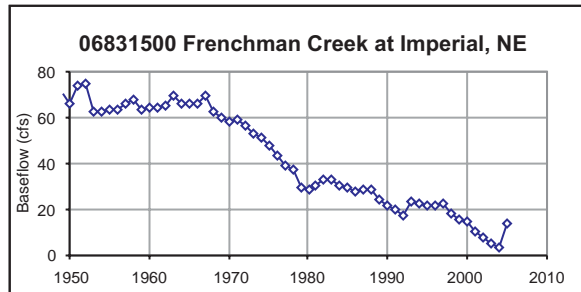
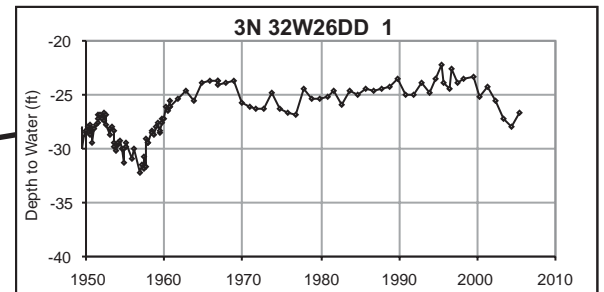
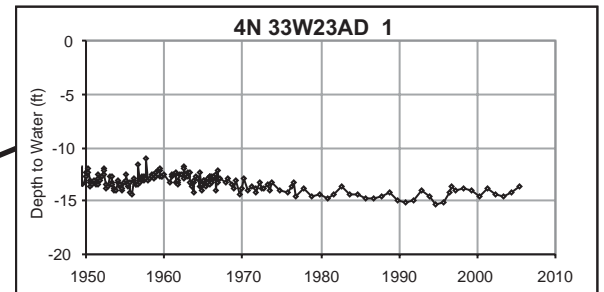
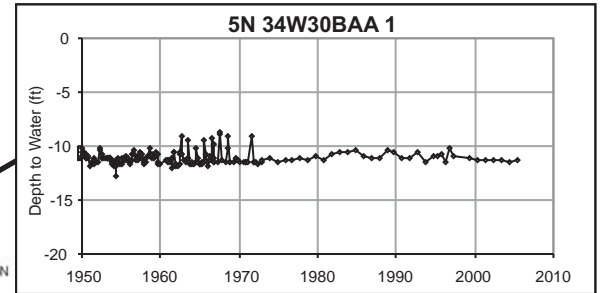
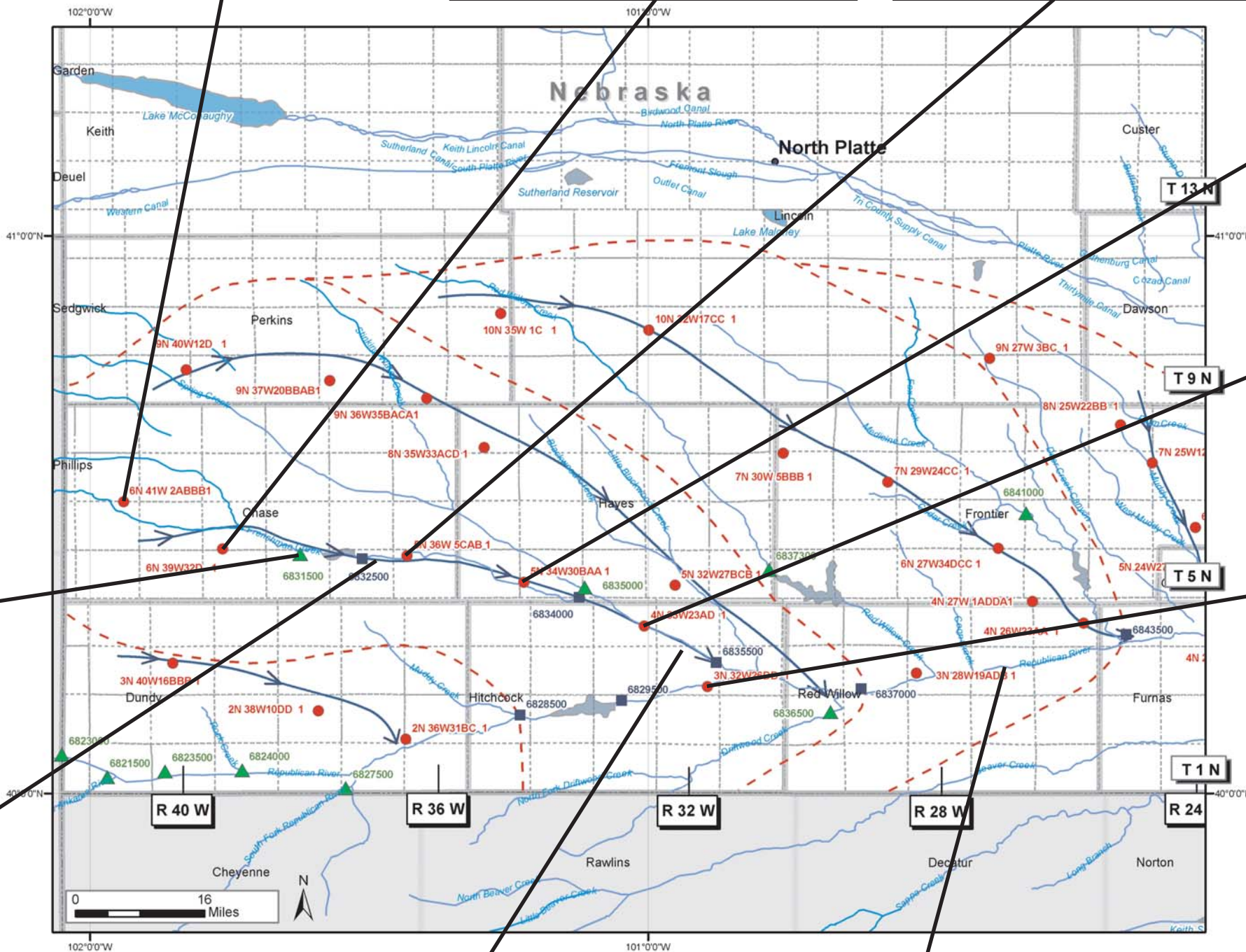
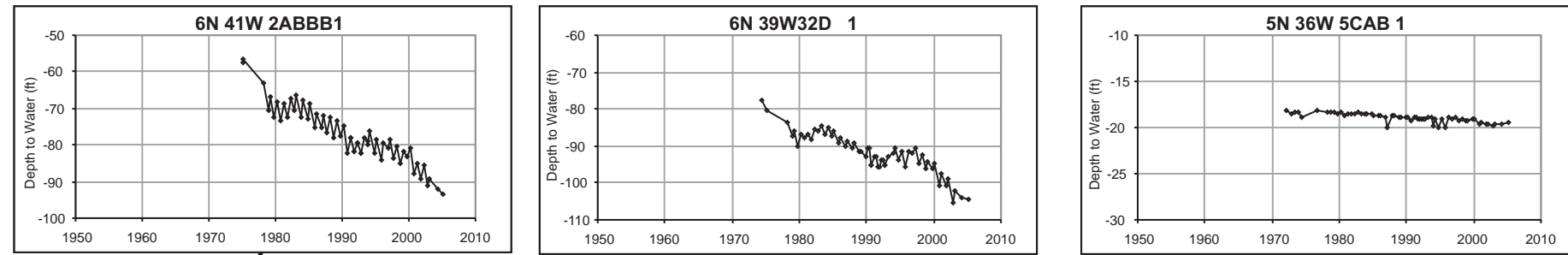


Figure 31. Graphical Correlation of Groundwater Levels and Baseflow in the Vicinity of a Groundwater Flow Line along Frenchman Creek in the Swanson Lake to McCook Groundwater Flow Zone

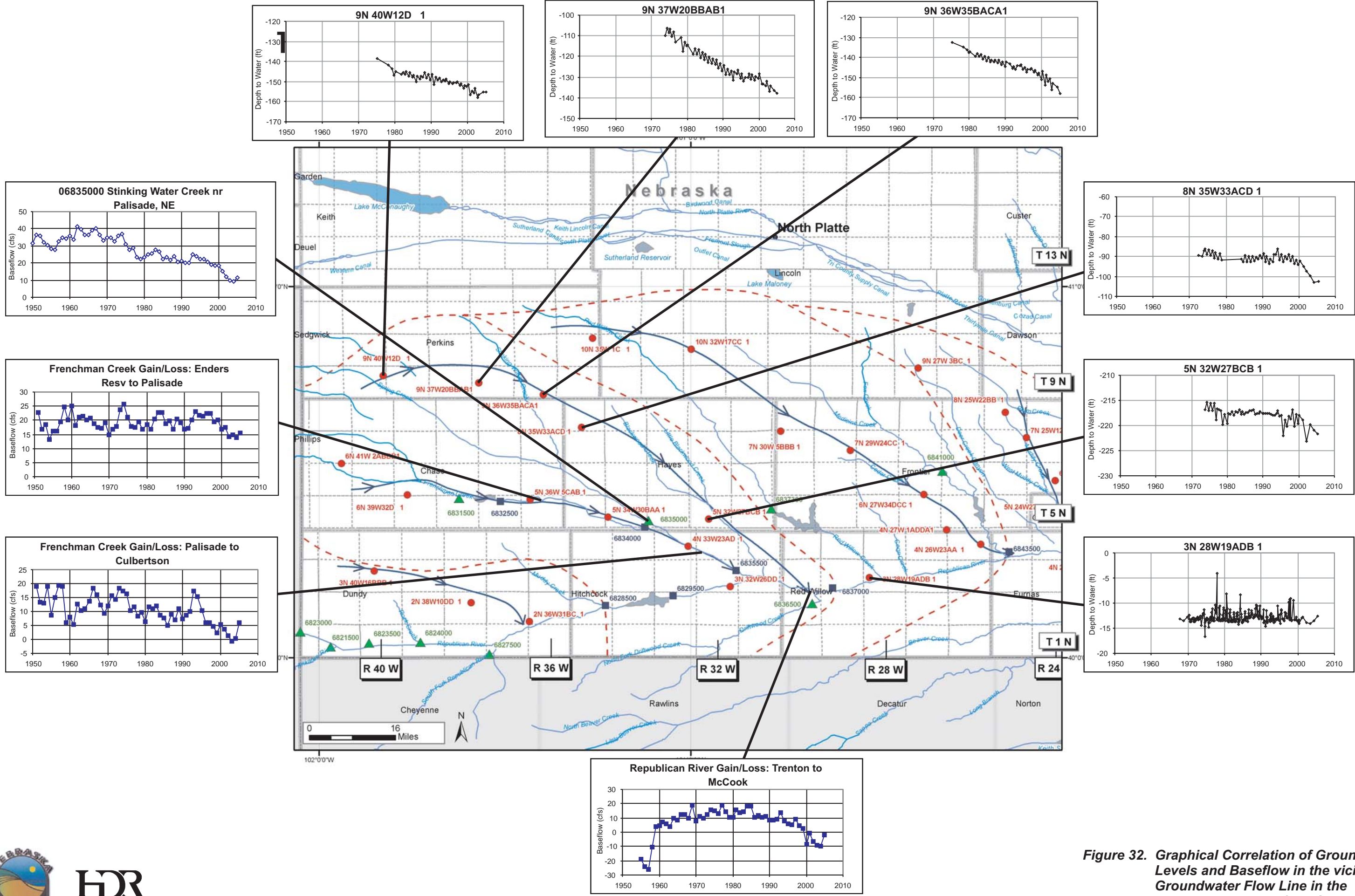


Figure 32. Graphical Correlation of Groundwater Levels and Baseflow in the vicinity of a Groundwater Flow Line in the Northeastern Part of the Swanson Lake to McCook Groundwater Flow Zone



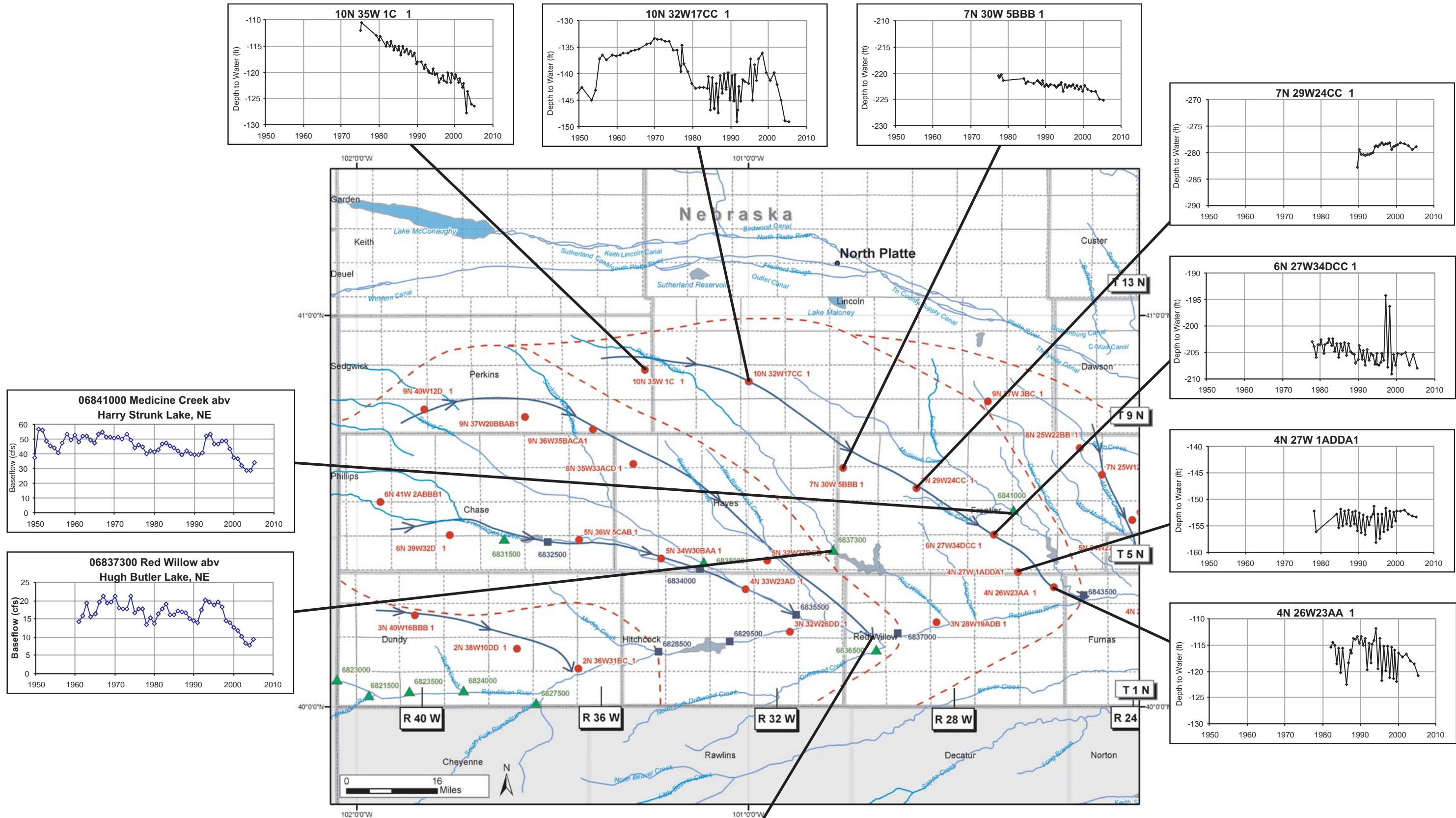


Figure 33. Graphical Correlation of Groundwater Levels and Baseflow in the Vicinity of a Groundwater Flow Line in the McCook to Cambridge Groundwater Flow Zone

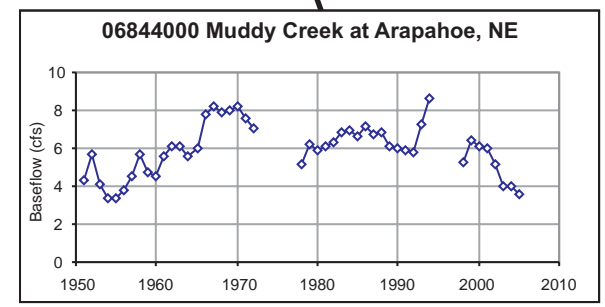
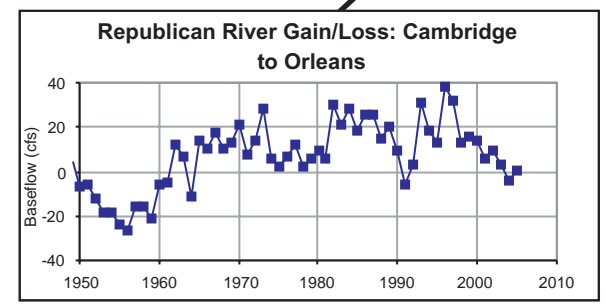
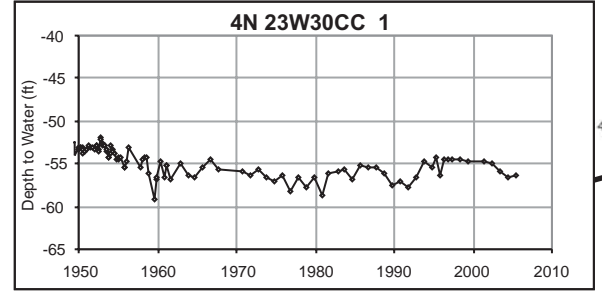
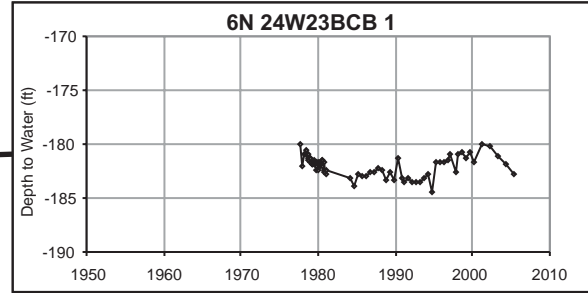
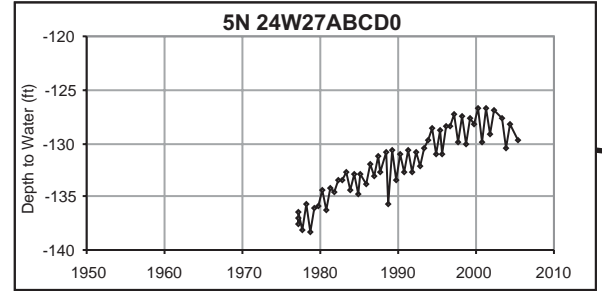
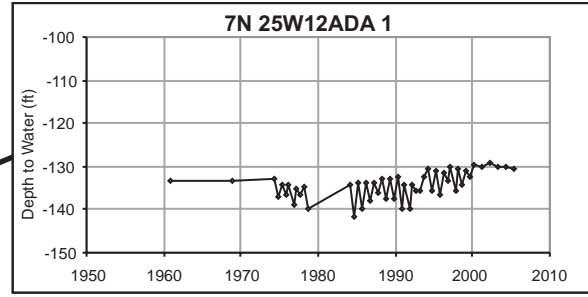
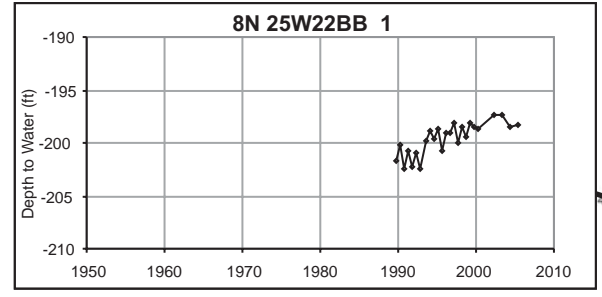
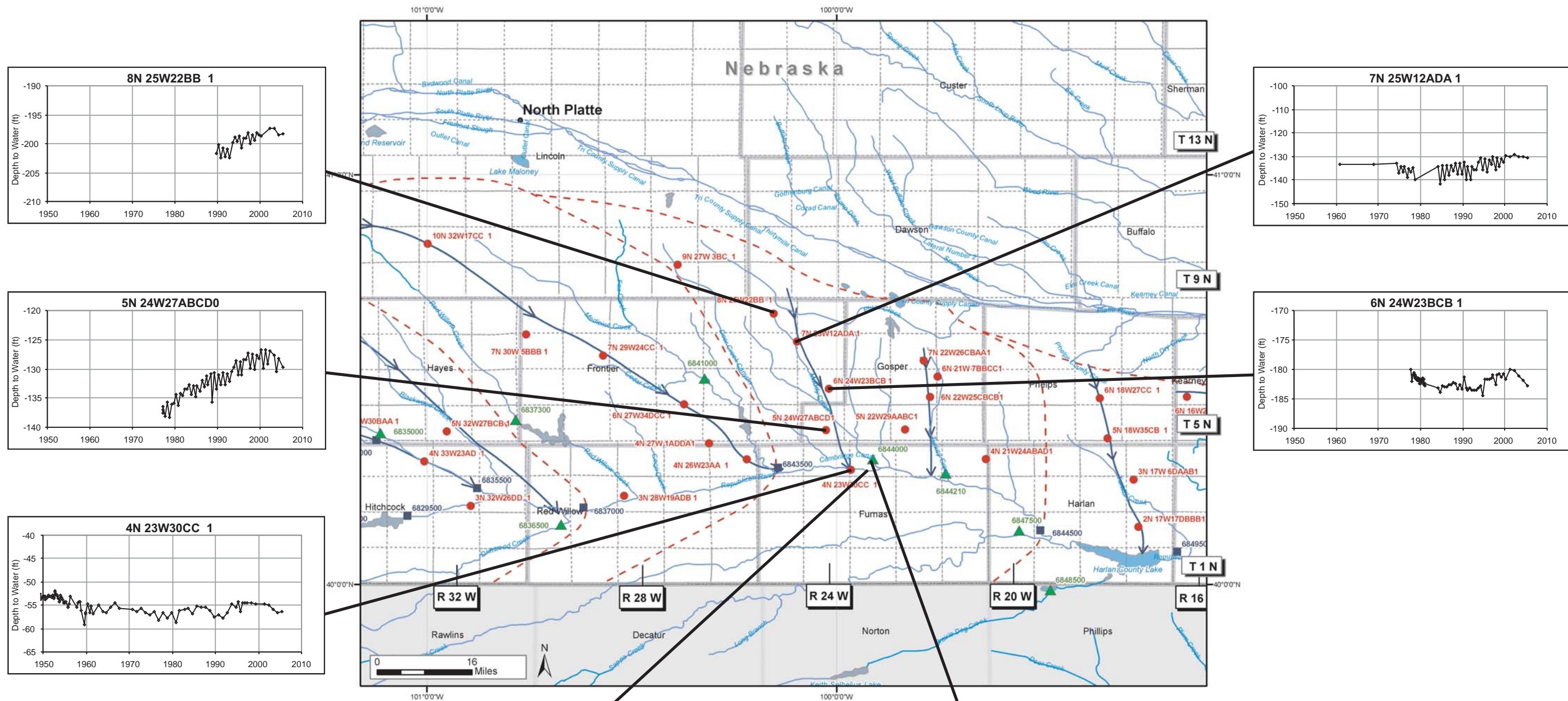


Figure 34. Graphical Correlation of Groundwater Levels and Baseflow in the Vicinity of a Groundwater Flow Line along Muddy Creek in the Cambridge to Harlan County Lake Groundwater Flow Zone



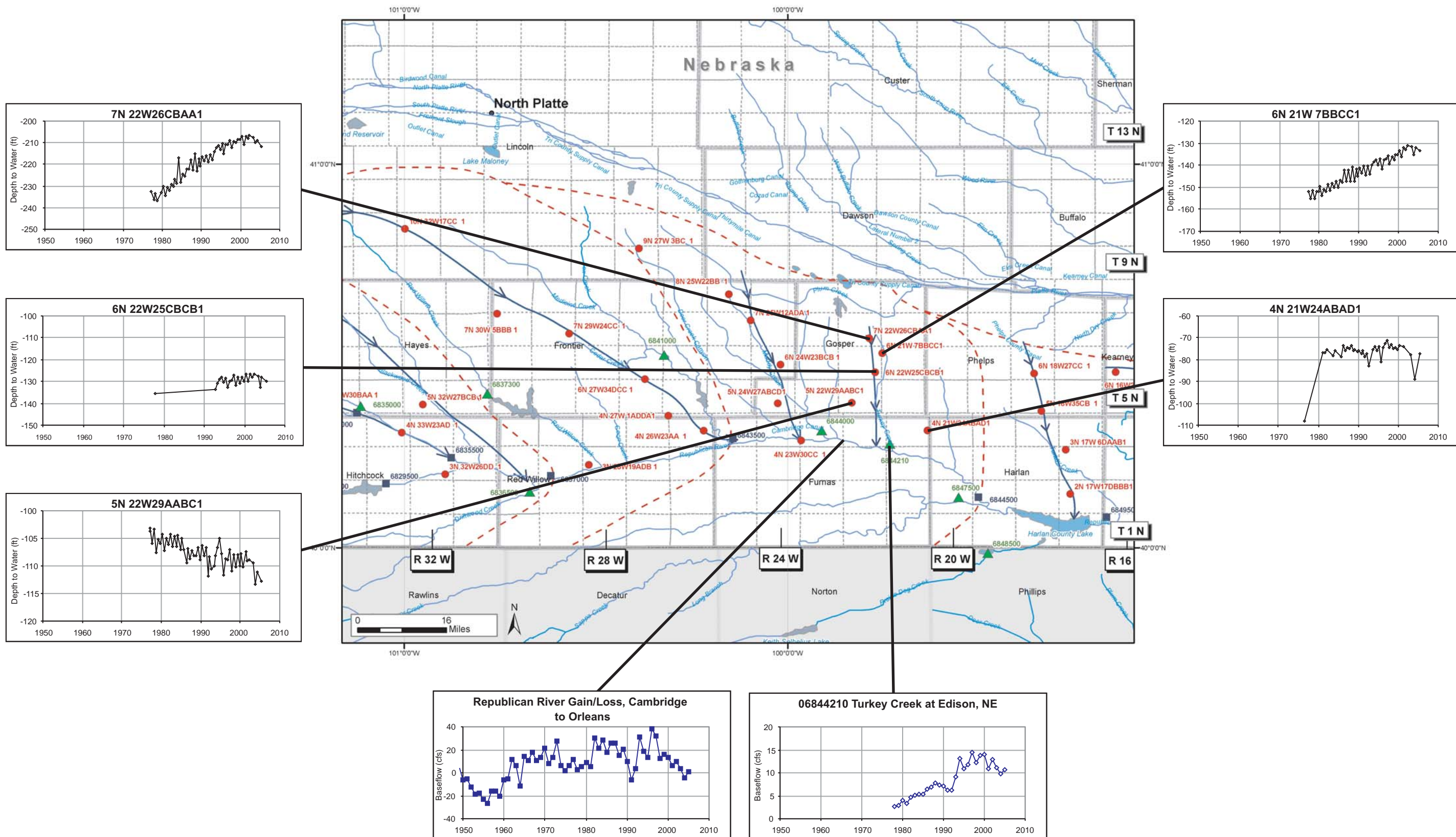


Figure 35. Graphical Correlation of Groundwater Levels and Baseflow in the Vicinity of a Groundwater Flow Line along Turkey Creek in the Cambridge to Harlan County Lake Groundwater Flow Zone

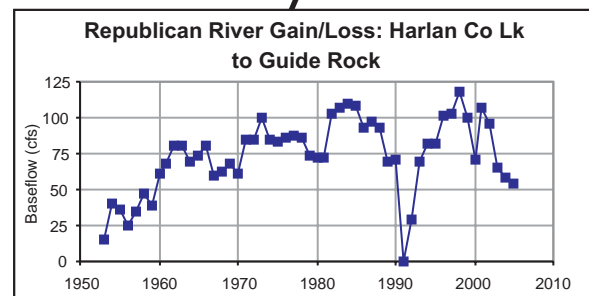
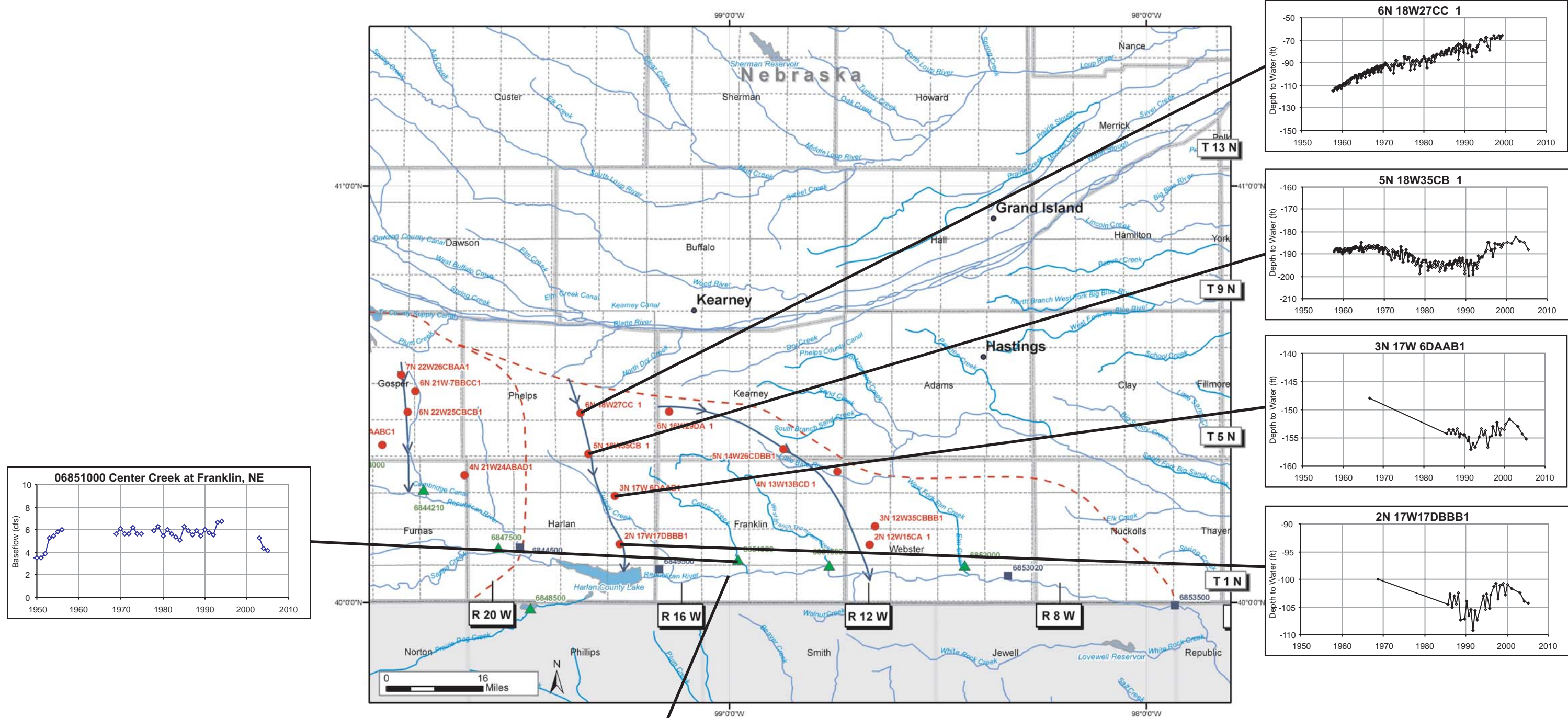


Figure 36. Graphical Correlation of Groundwater Levels and Baseflow in the Vicinity of a Groundwater Flow Line North of Harlan County Lake in the Harlan County Lake to Hardy Groundwater Flow Zone

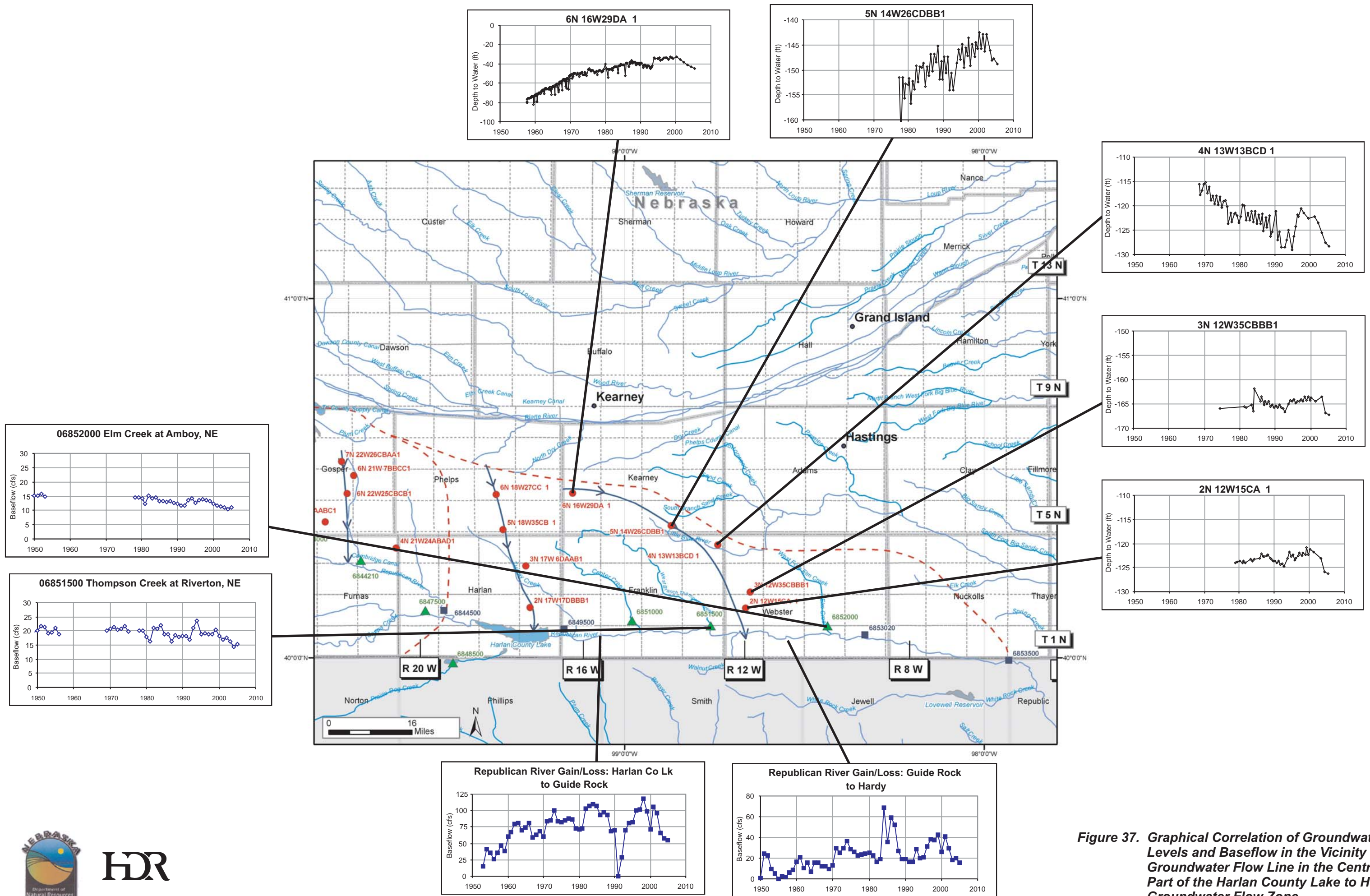


Figure 37. Graphical Correlation of Groundwater Levels and Baseflow in the Vicinity of a Groundwater Flow Line in the Central Part of the Harlan County Lake to Hardy Groundwater Flow Zone

