

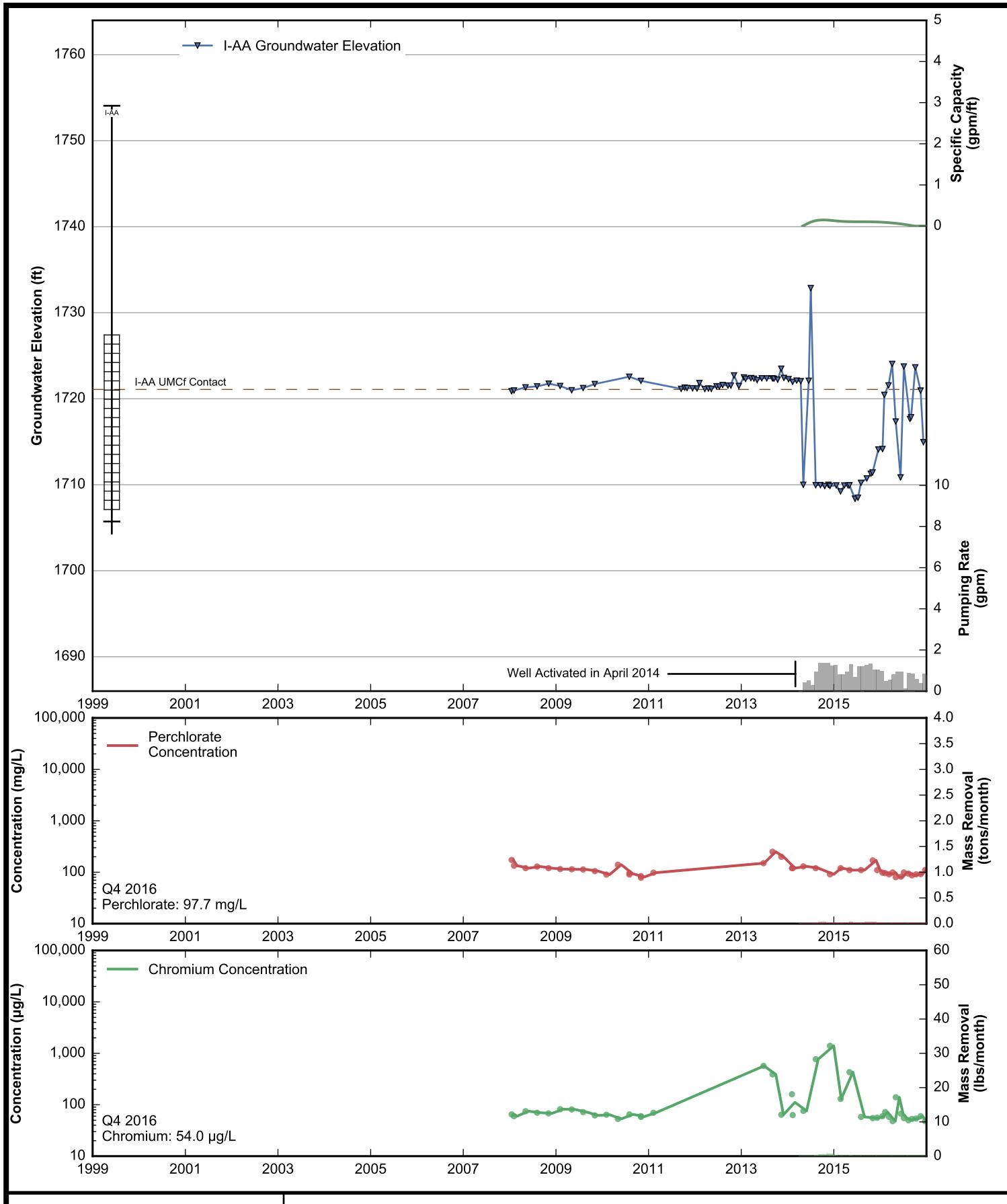
Semi-Annual Remedial Performance Memorandum
for Chromium and Perchlorate
Nevada Environmental Response Trust Site
Henderson, Nevada

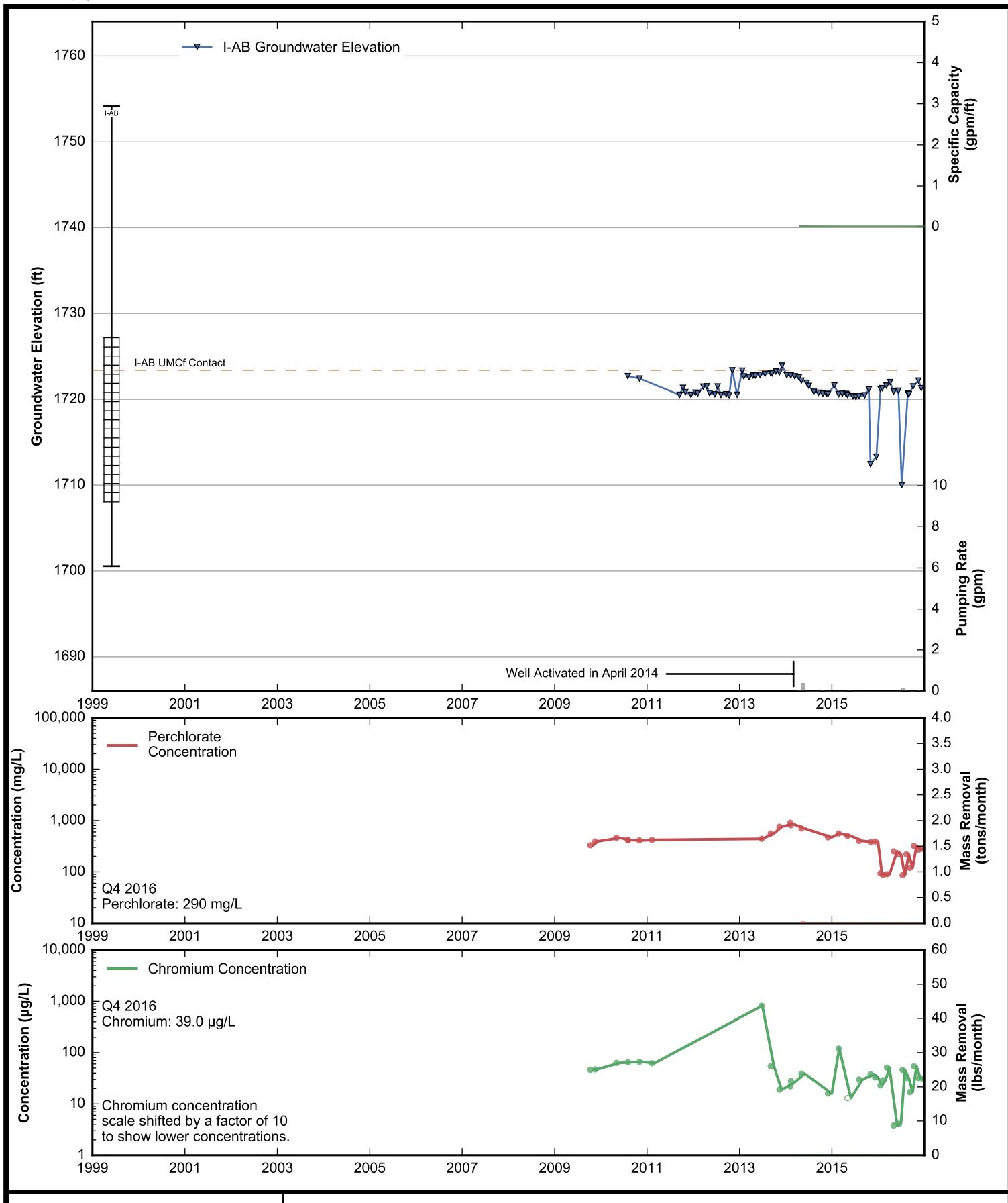
Well Data Sheets

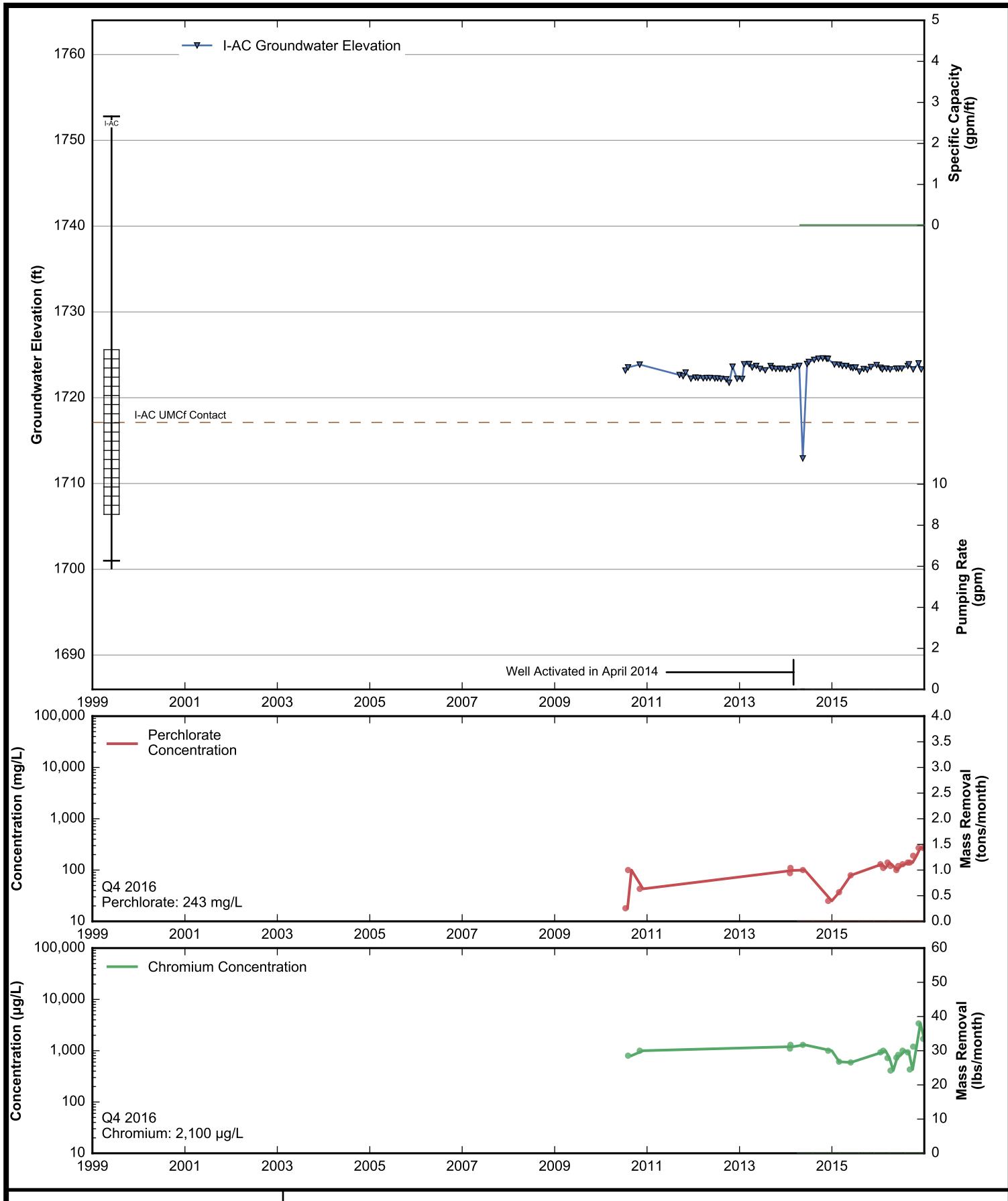
Data summary sheets for individual extraction and monitoring wells are provided in Appendix B. The data sheets show key well performance indicators for all wells in the groundwater monitoring program during the reporting period, including water levels, perchlorate concentrations, and chromium concentrations over the period 1999-2016. Additional key well performance indicators are shown for the extraction wells, including pumping rates, specific capacity, mass removal rates, and the average perchlorate and chromium concentrations for the fourth quarter of 2016. (Note that the detection limit was used in average calculations for samples in which perchlorate or chromium was not detected.) For each extraction well field, the concentration plots for each analyte have identical ranges unless otherwise specified to facilitate comparisons of wells within a single well field. In addition, the data sheets show well construction details (top of casing, screened interval, Qal/UMCf contact, total well depth, and total borehole depth) for comparison to the groundwater elevations. The well construction details were compiled from the all wells database spreadsheet maintained by NDEP, though top of casing elevations reflect a recent survey done by the Trust. Construction details for several wells are not plotted due to a lack of key data in the all wells database. All other data shown in the data sheets were from the site database.

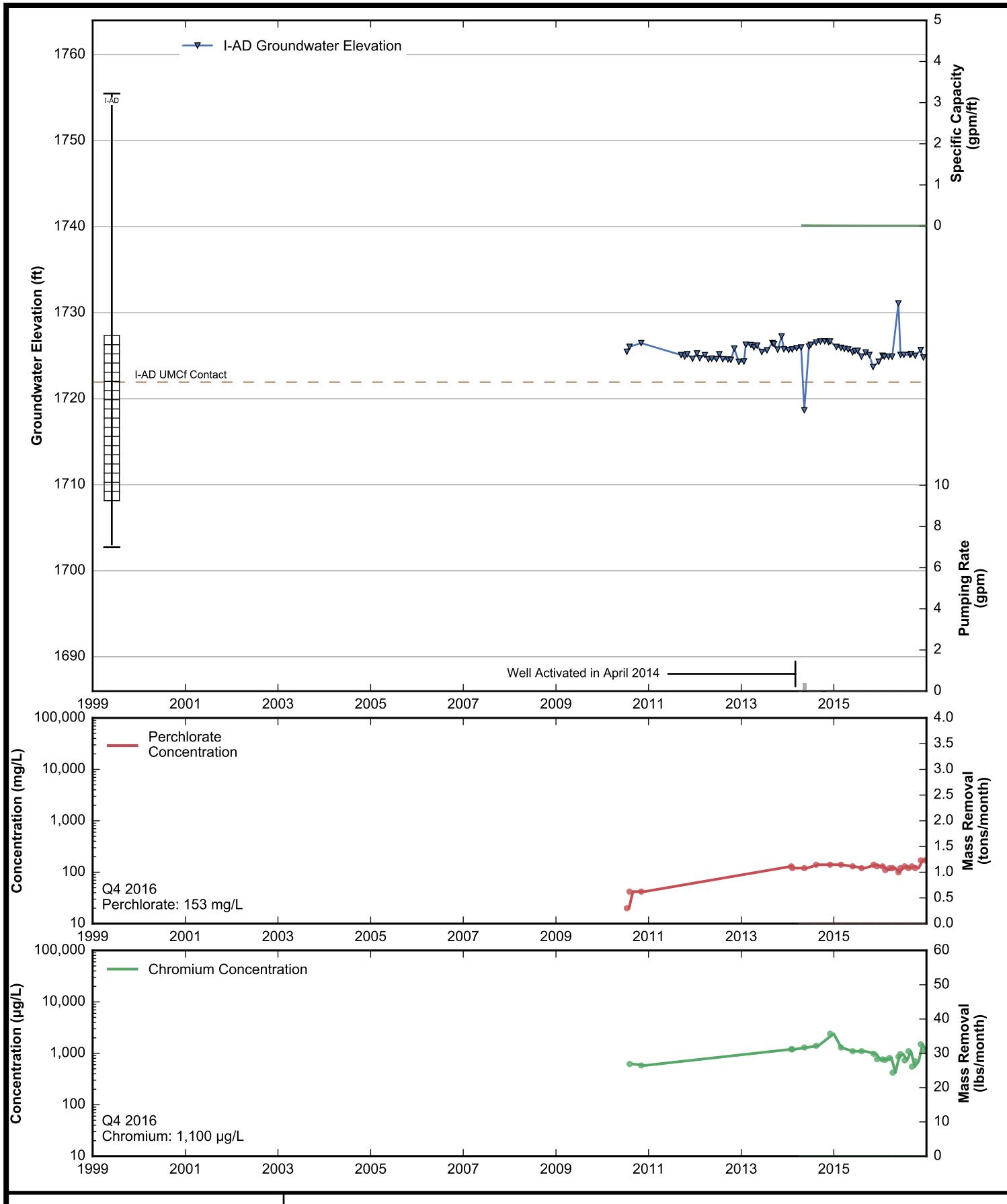
Perchlorate and chromium concentration trends, calculated as a monthly average of the data and interpolating where no data were available in a given month, are shown as solid lines. Individual laboratory analytical results are shown with a solid symbol for detected values and an open symbol for non-detected values. Pumping rates, shown as monthly averages from July 2002 through December 2016, are calculated from the site database which contains flow data from the operational field spreadsheets. Mass removal rates for perchlorate and chromium were calculated by multiplying the monthly average pumping rate by the monthly average concentration. For the purposes of the mass removal calculations, the monthly average concentration was assumed to be zero for non-detected results. The specific capacity is calculated using the methodology outlined in Appendix B of the 2013 GWETS Optimization Project Report (Attachment A of ENVIRON 2015).

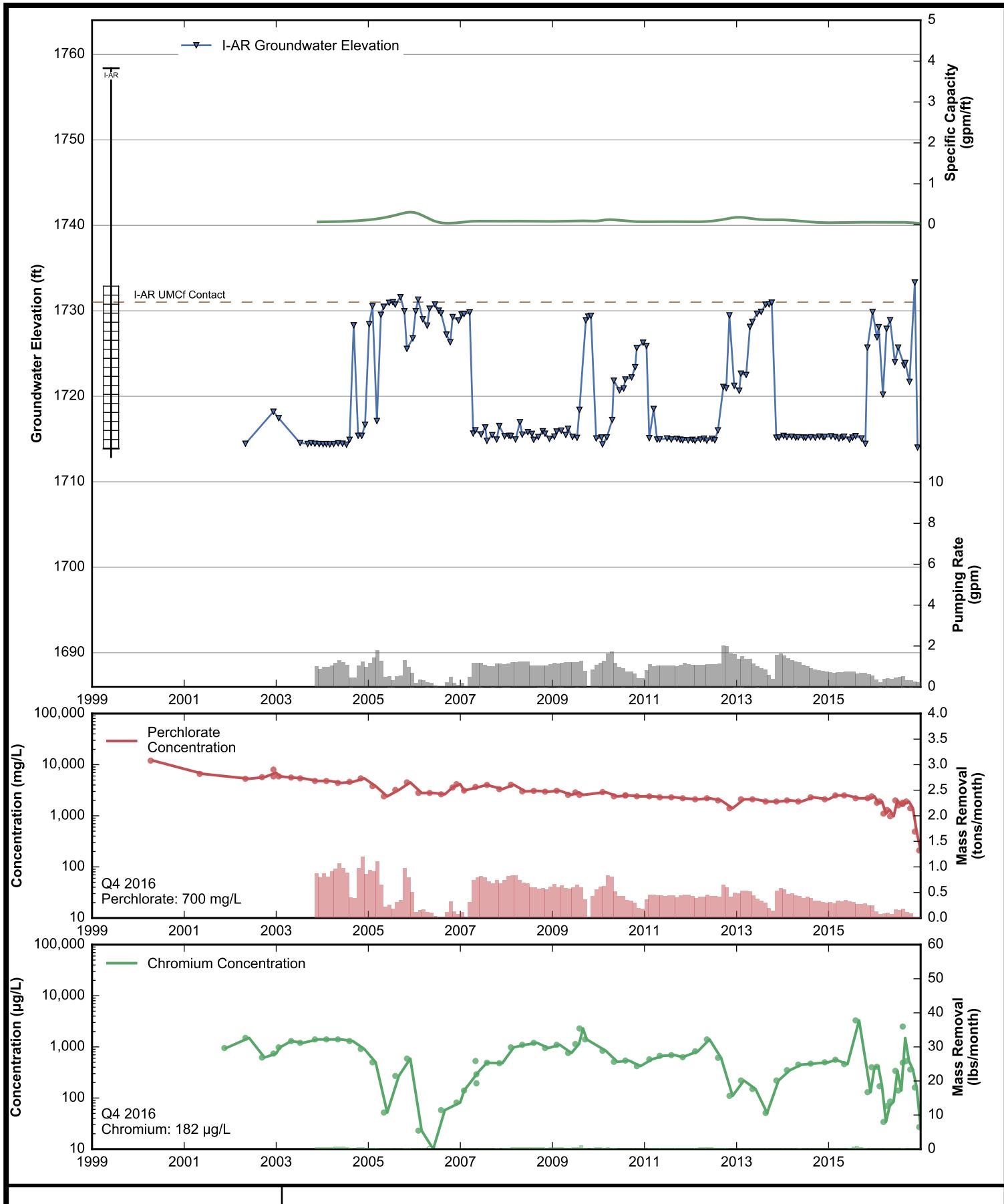
ENVIRON. 2015. Semi-Annual Performance Report for Chromium and Perchlorate, July – December 2014.
April 30.

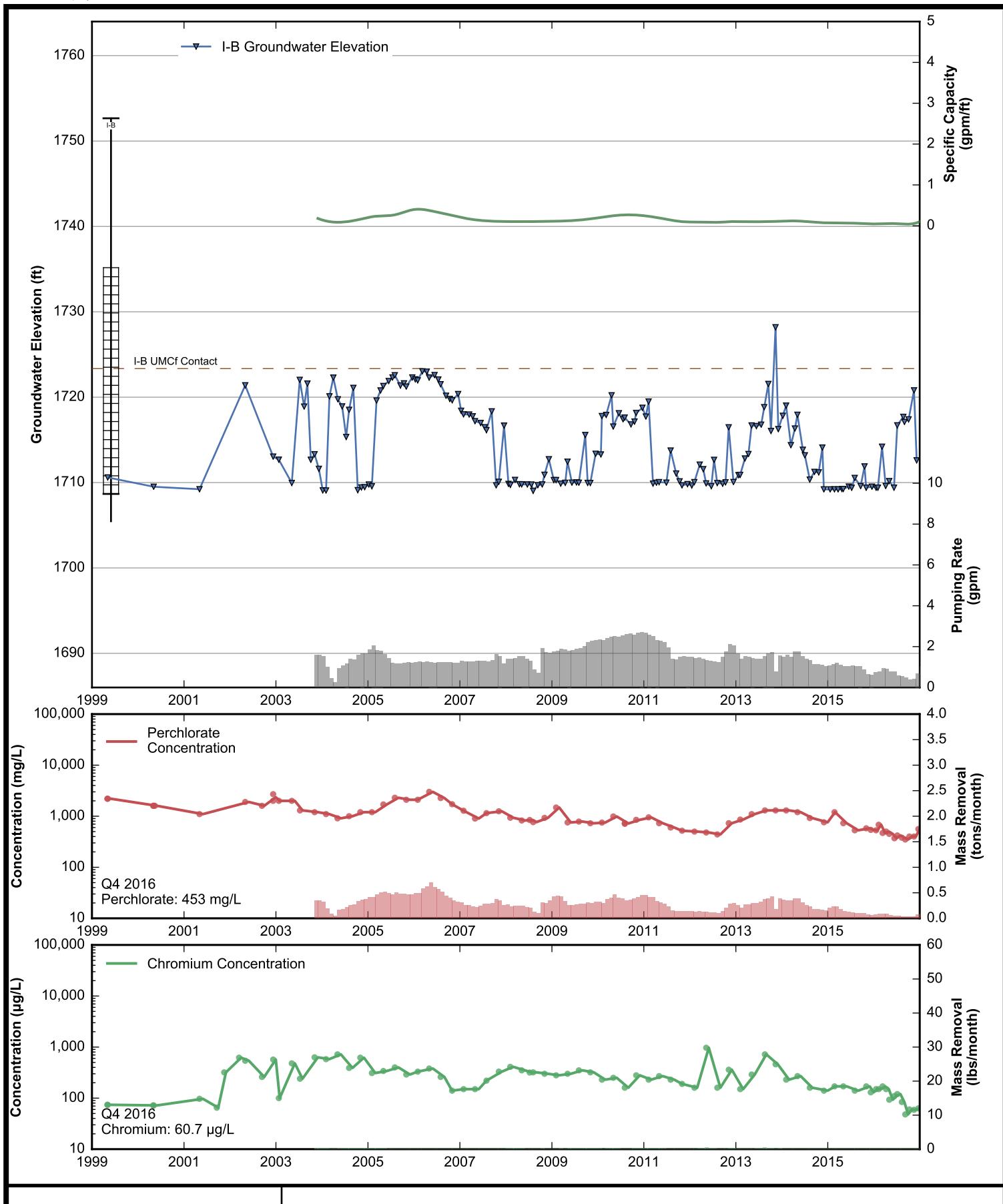


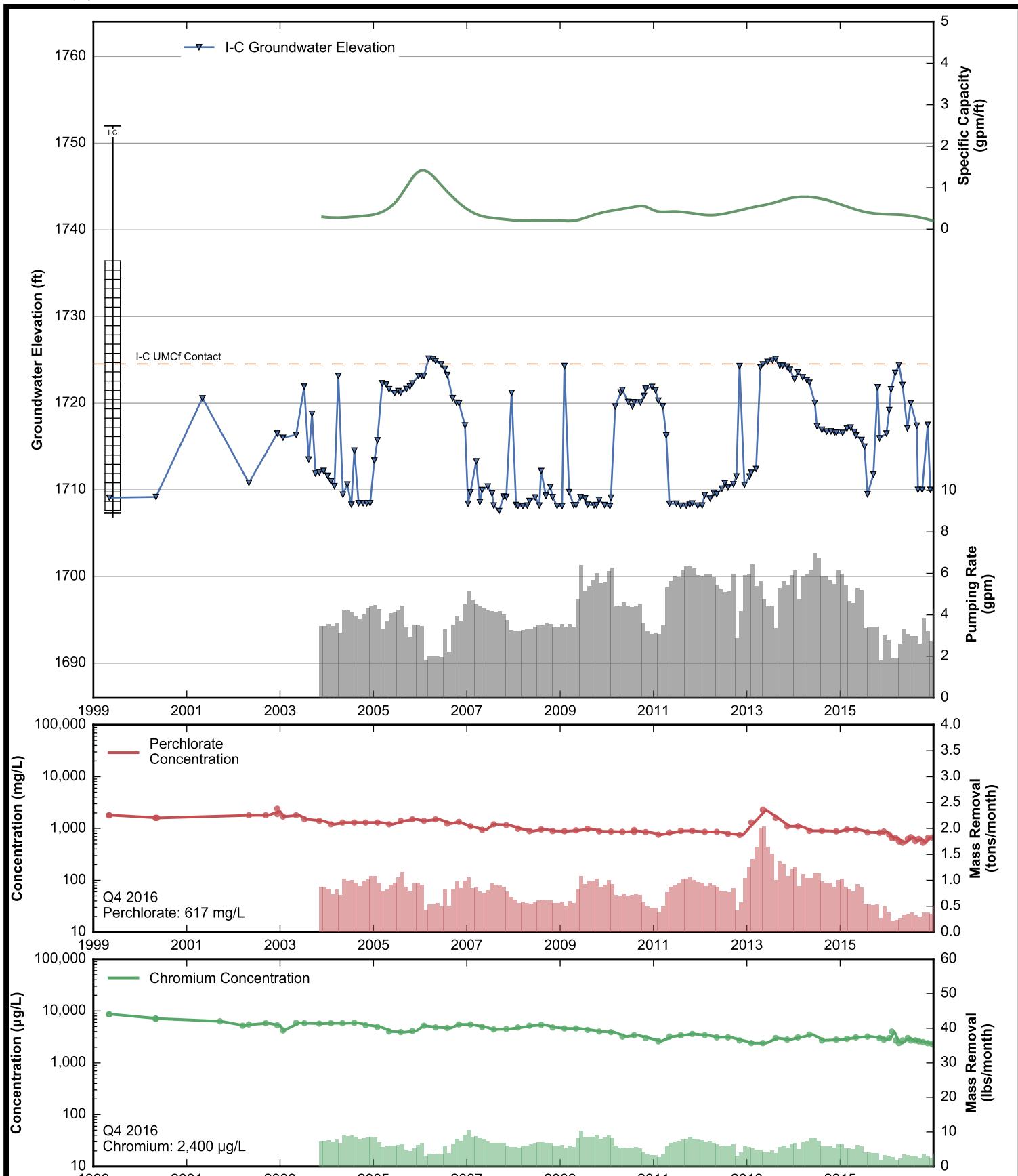


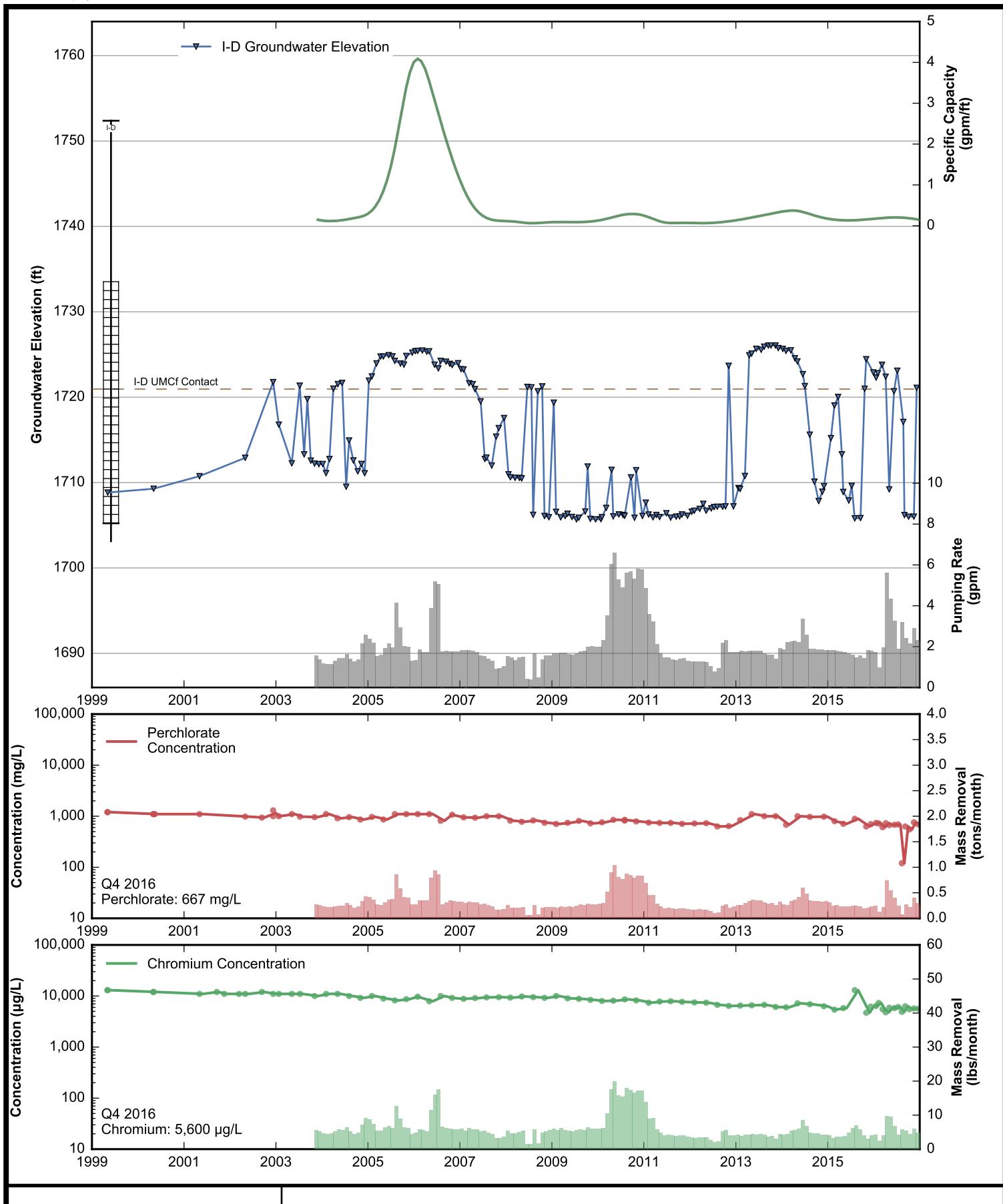


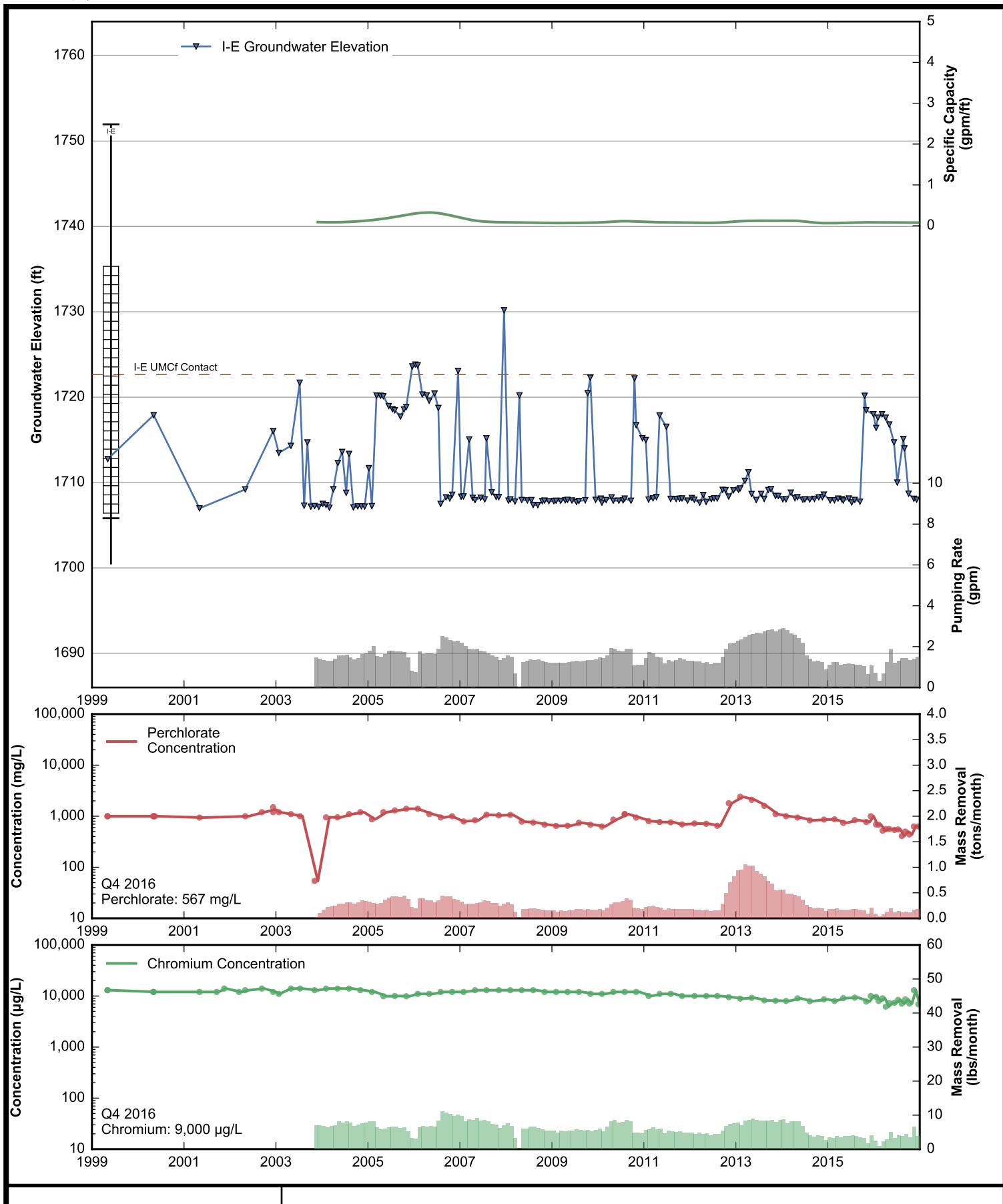


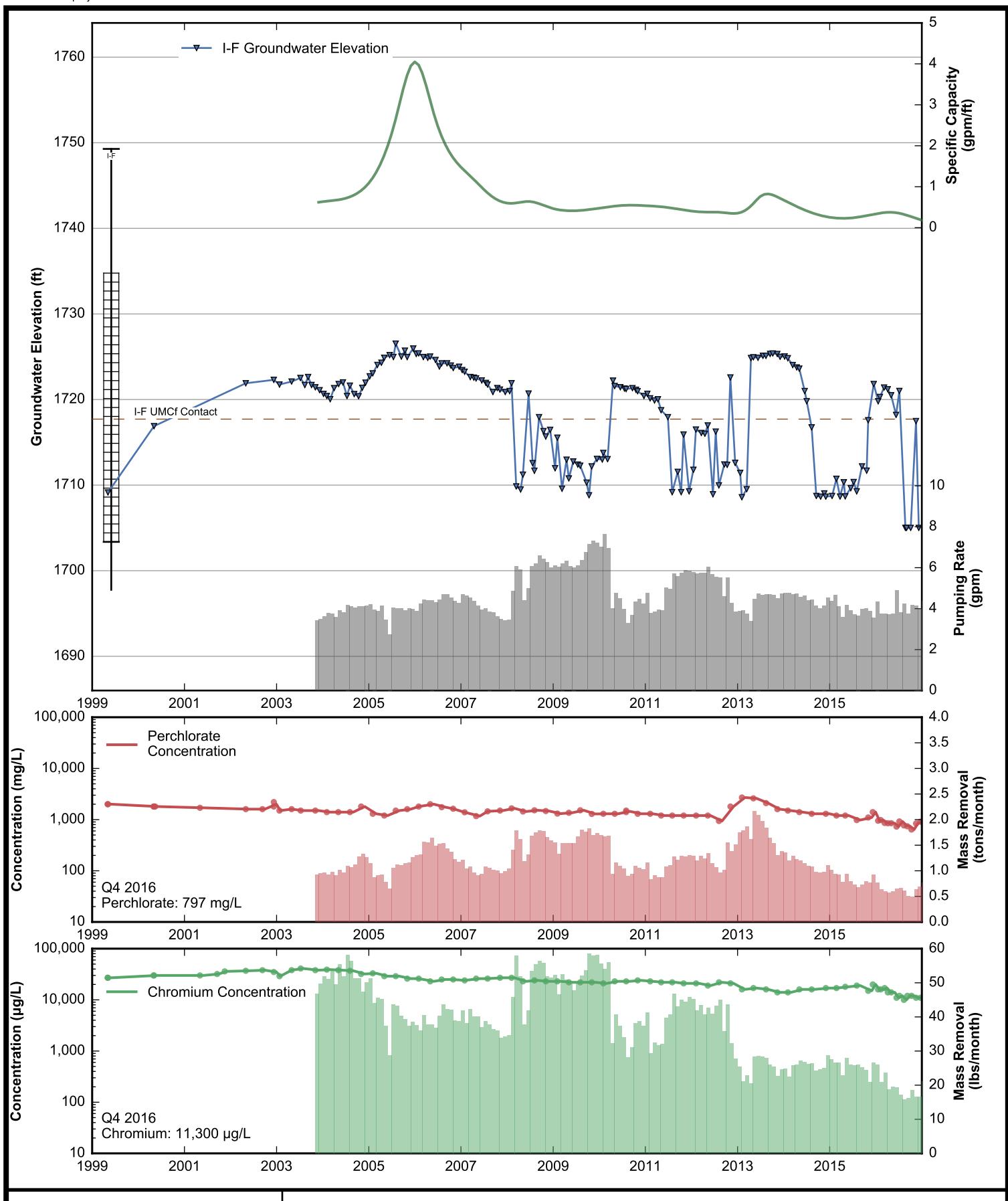


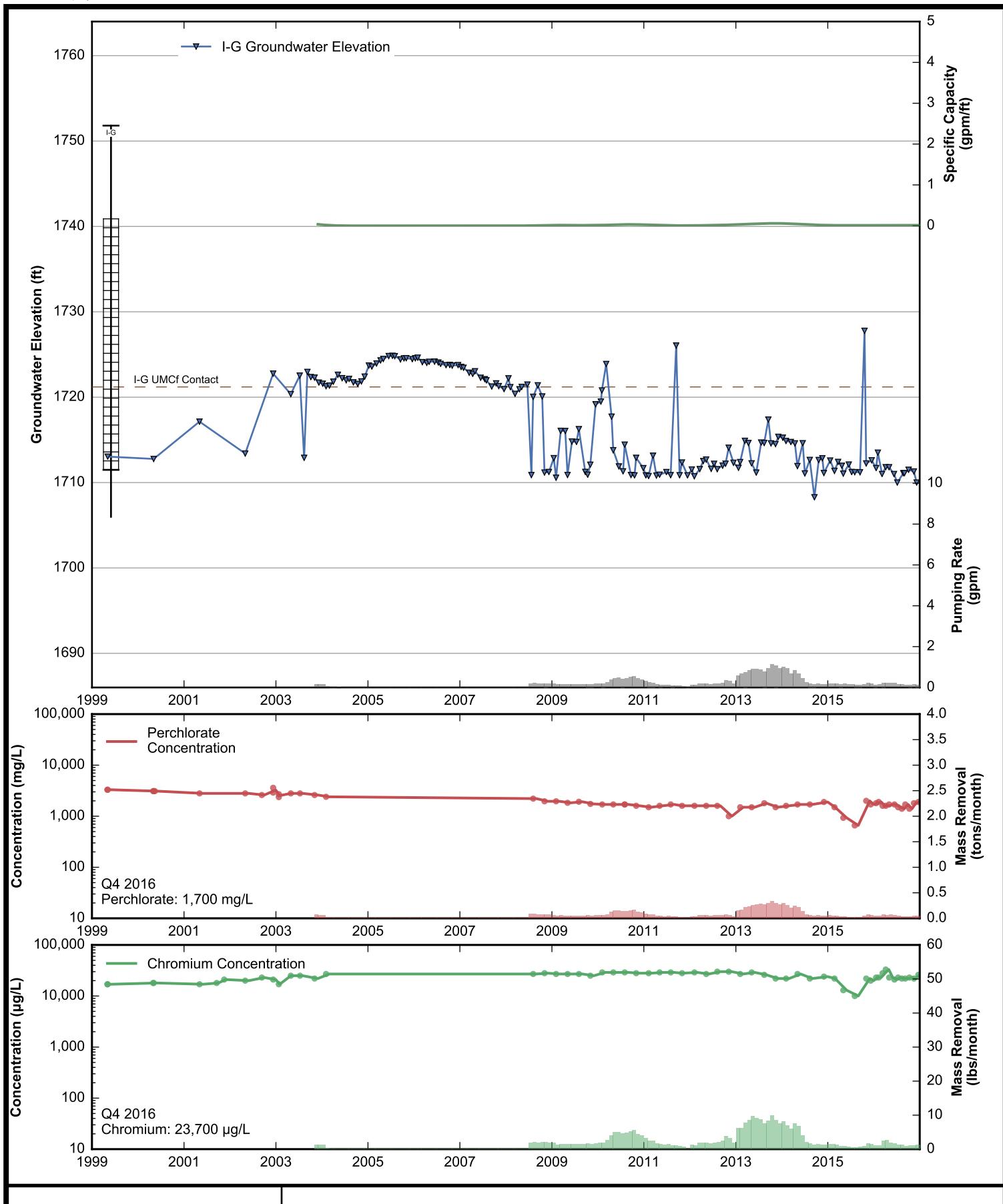


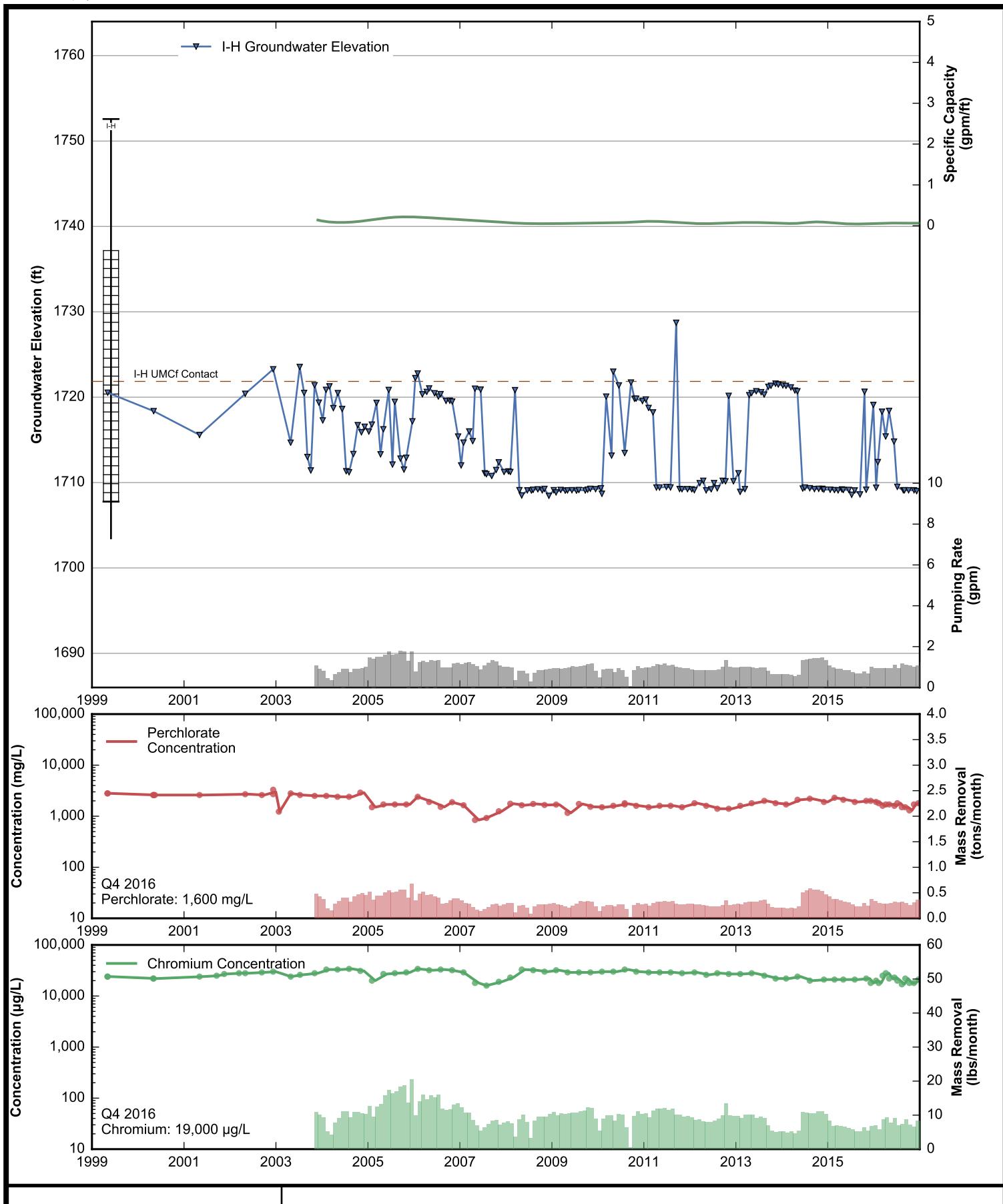


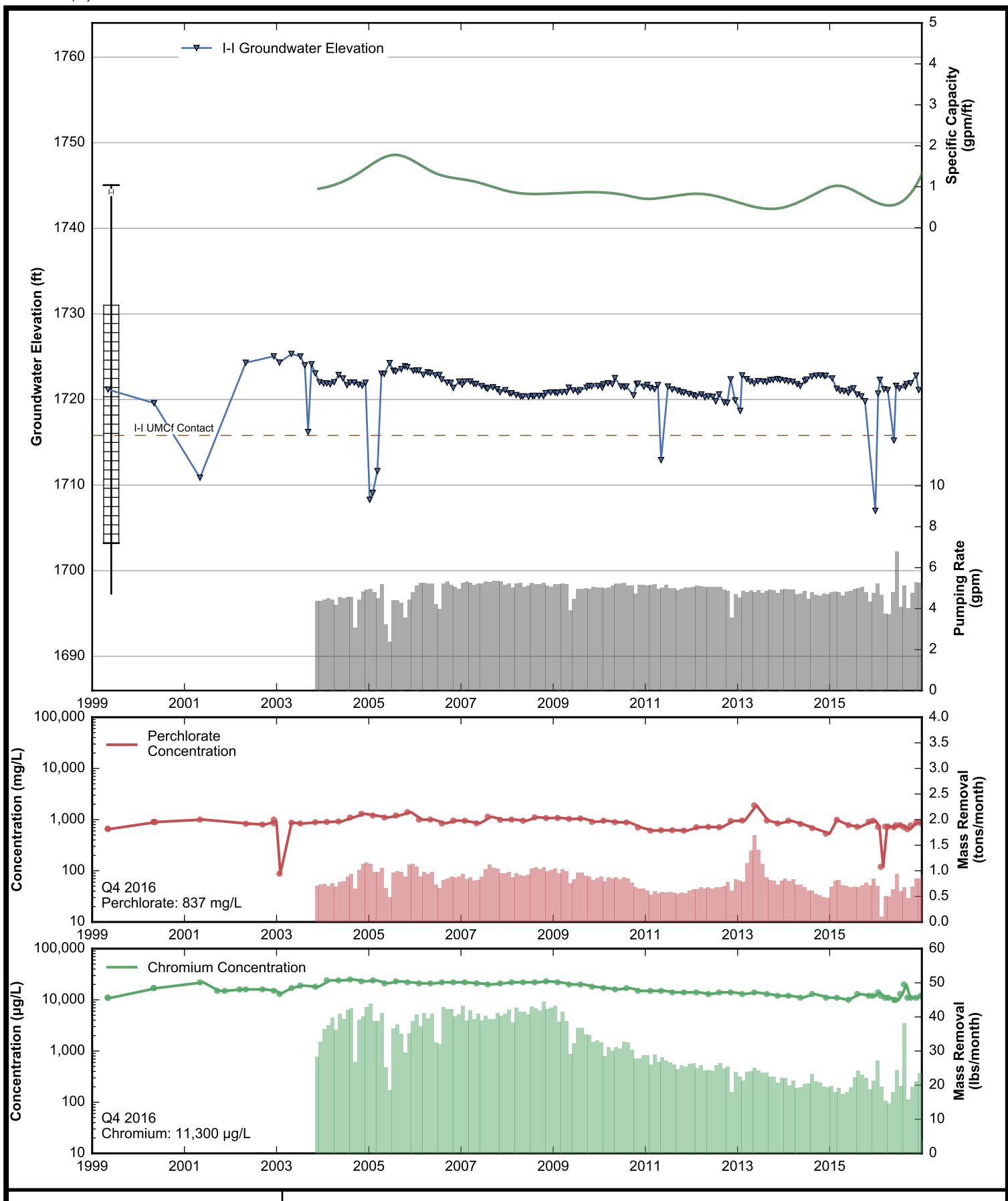


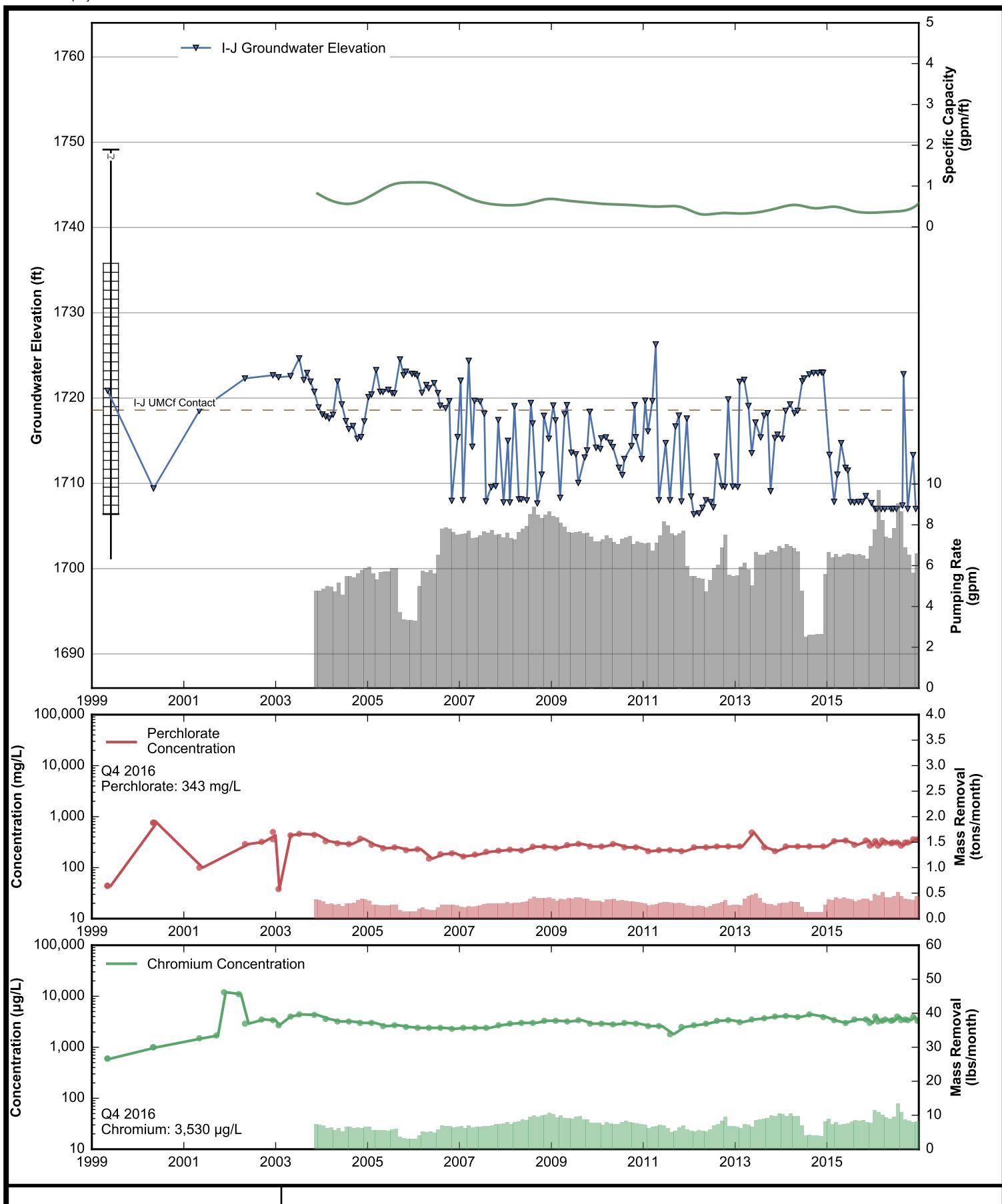


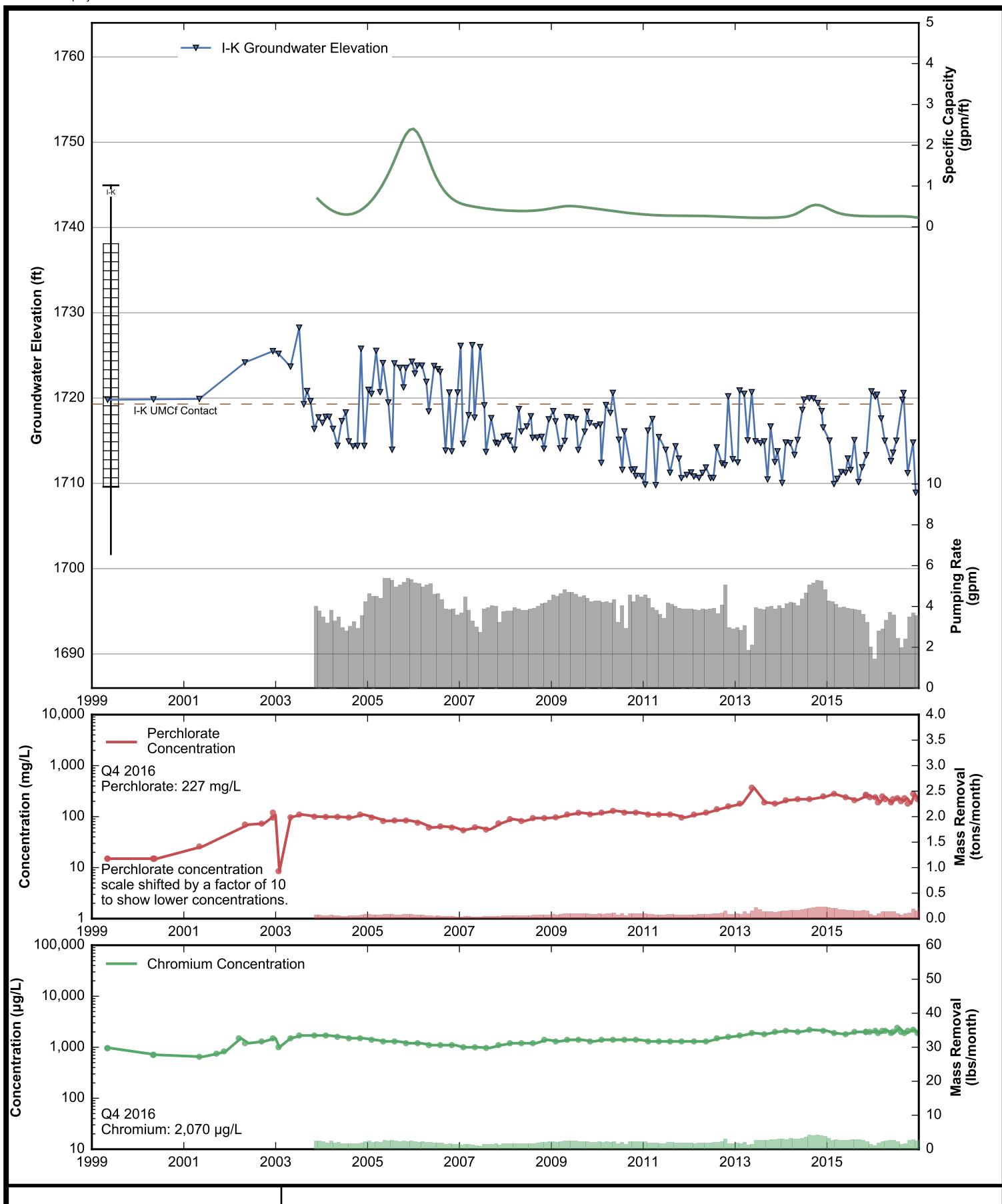


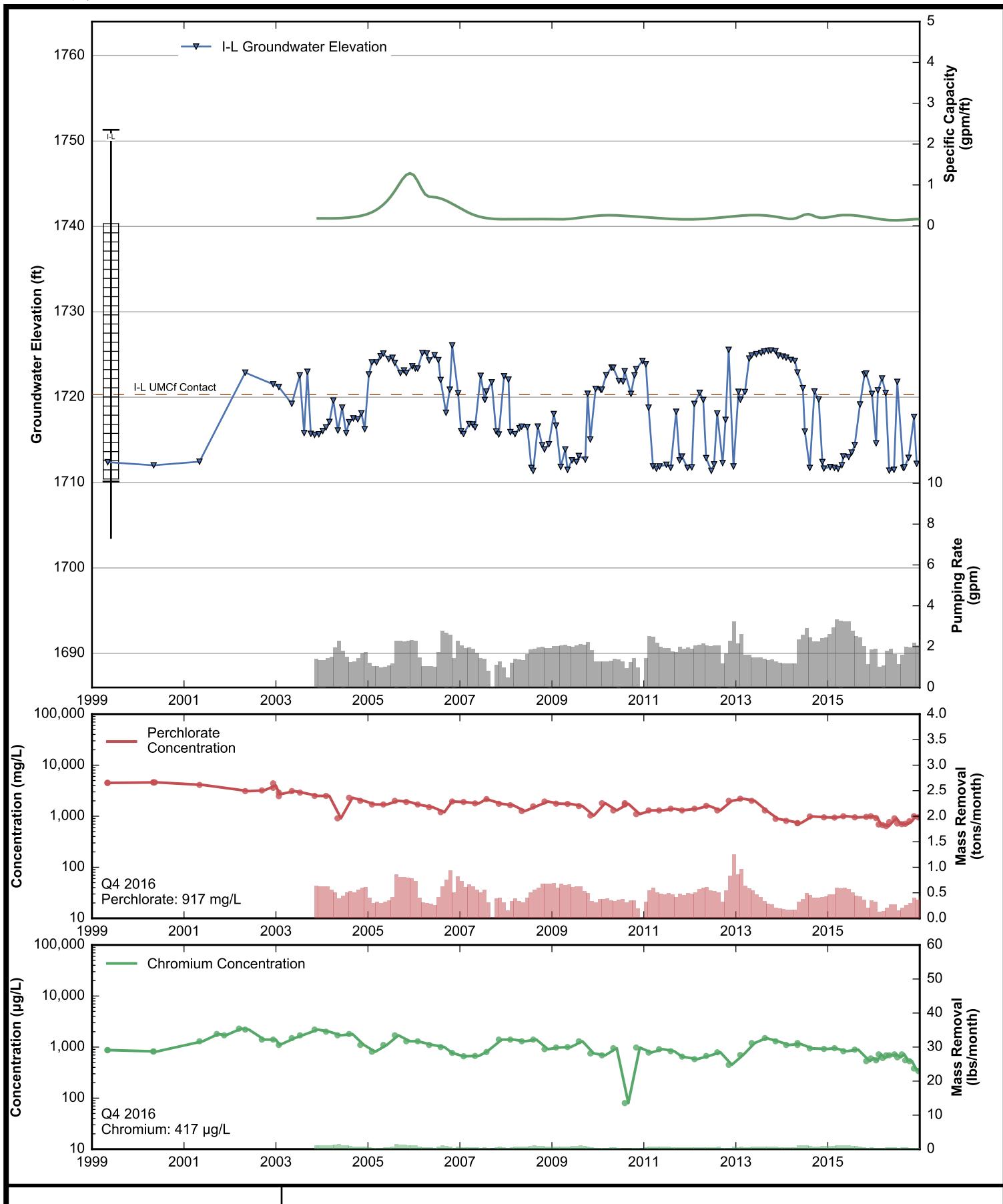


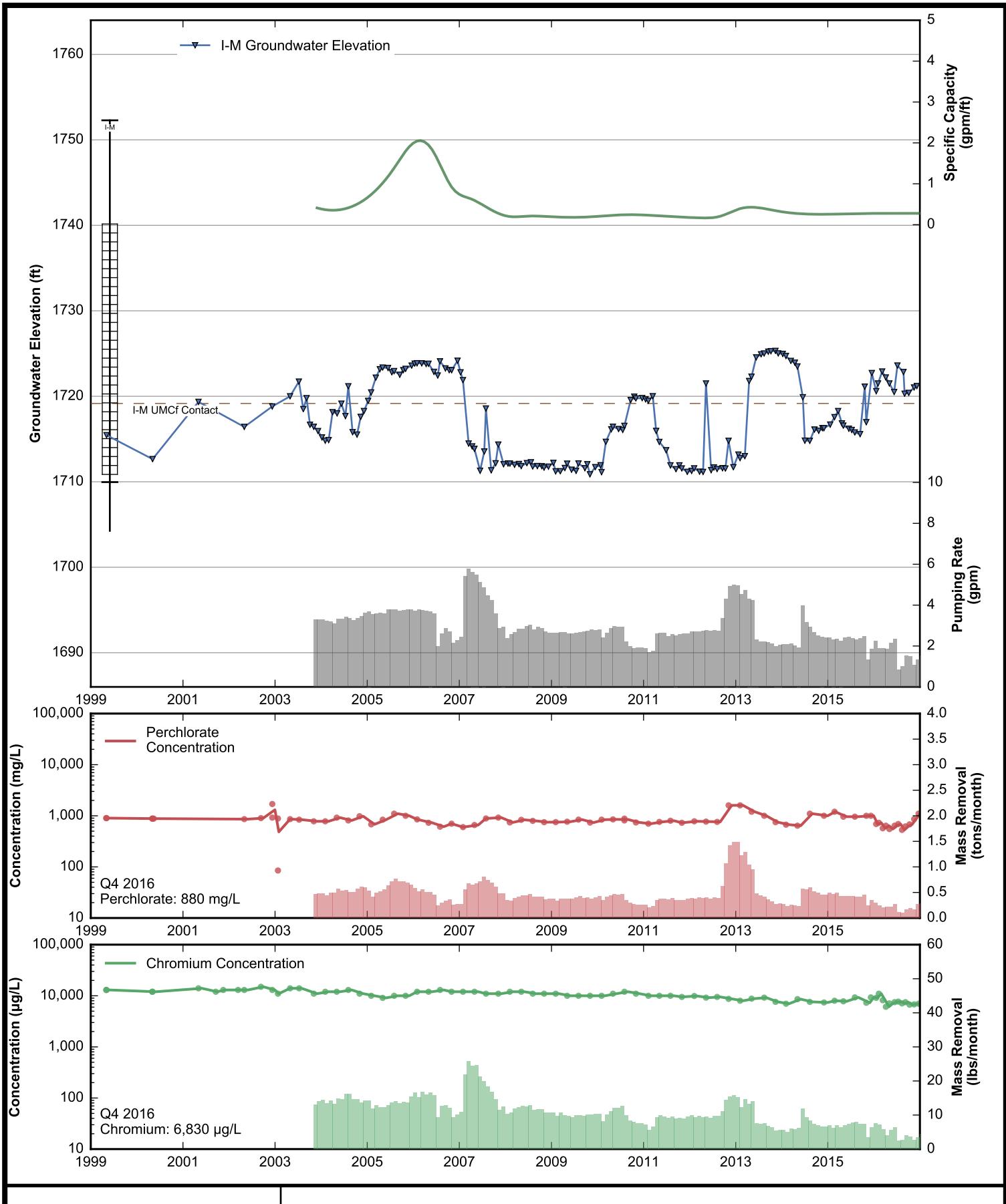


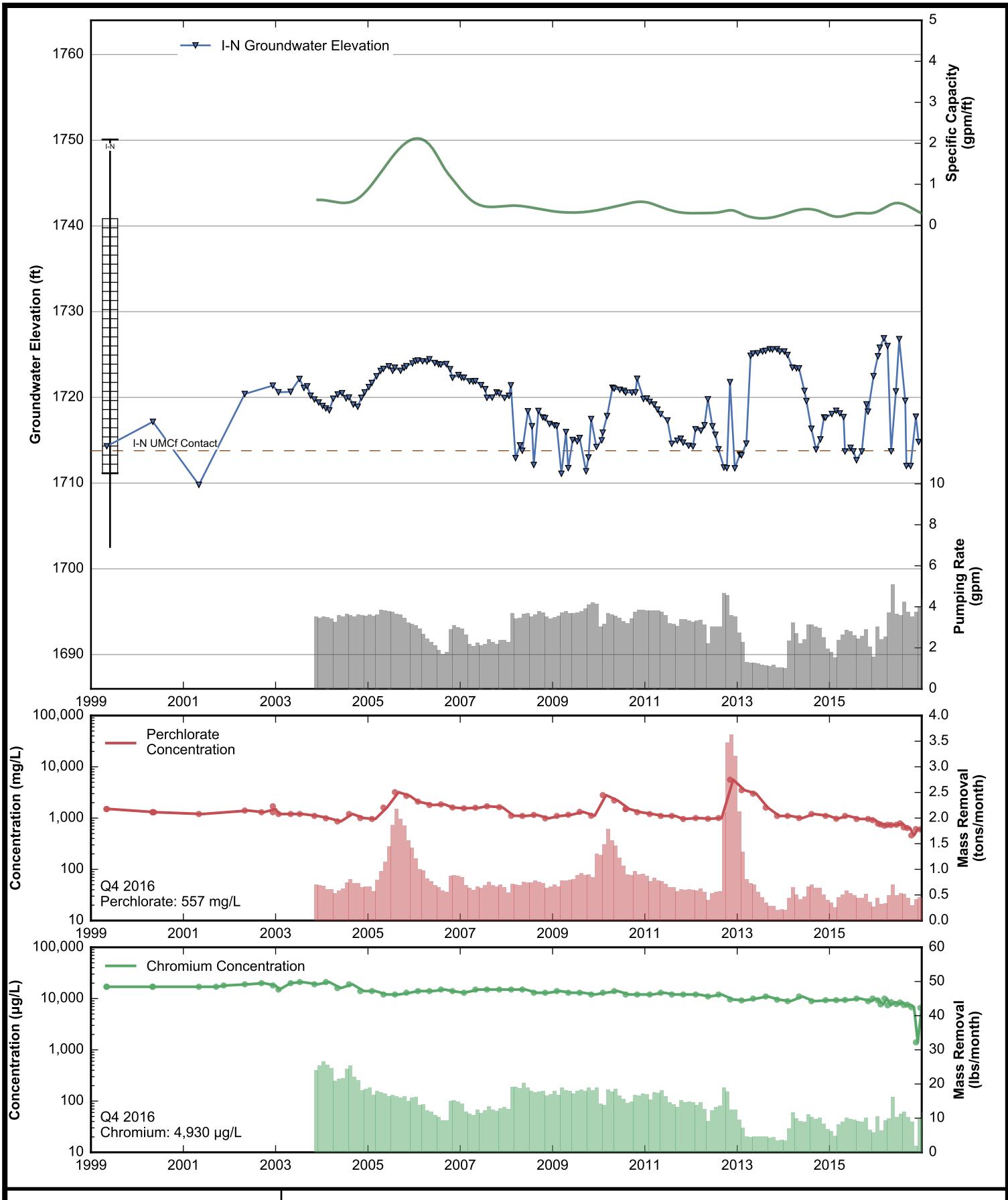


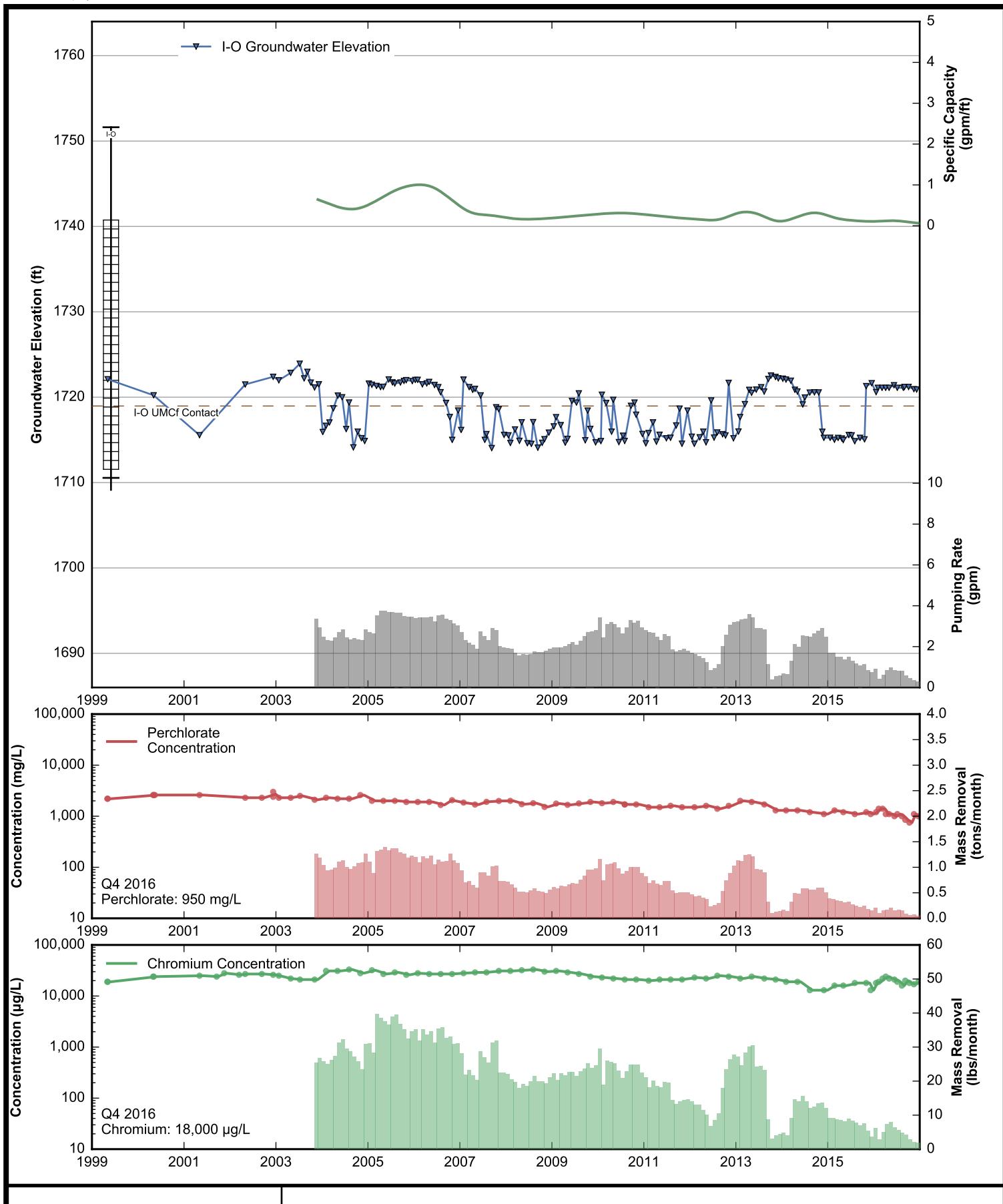


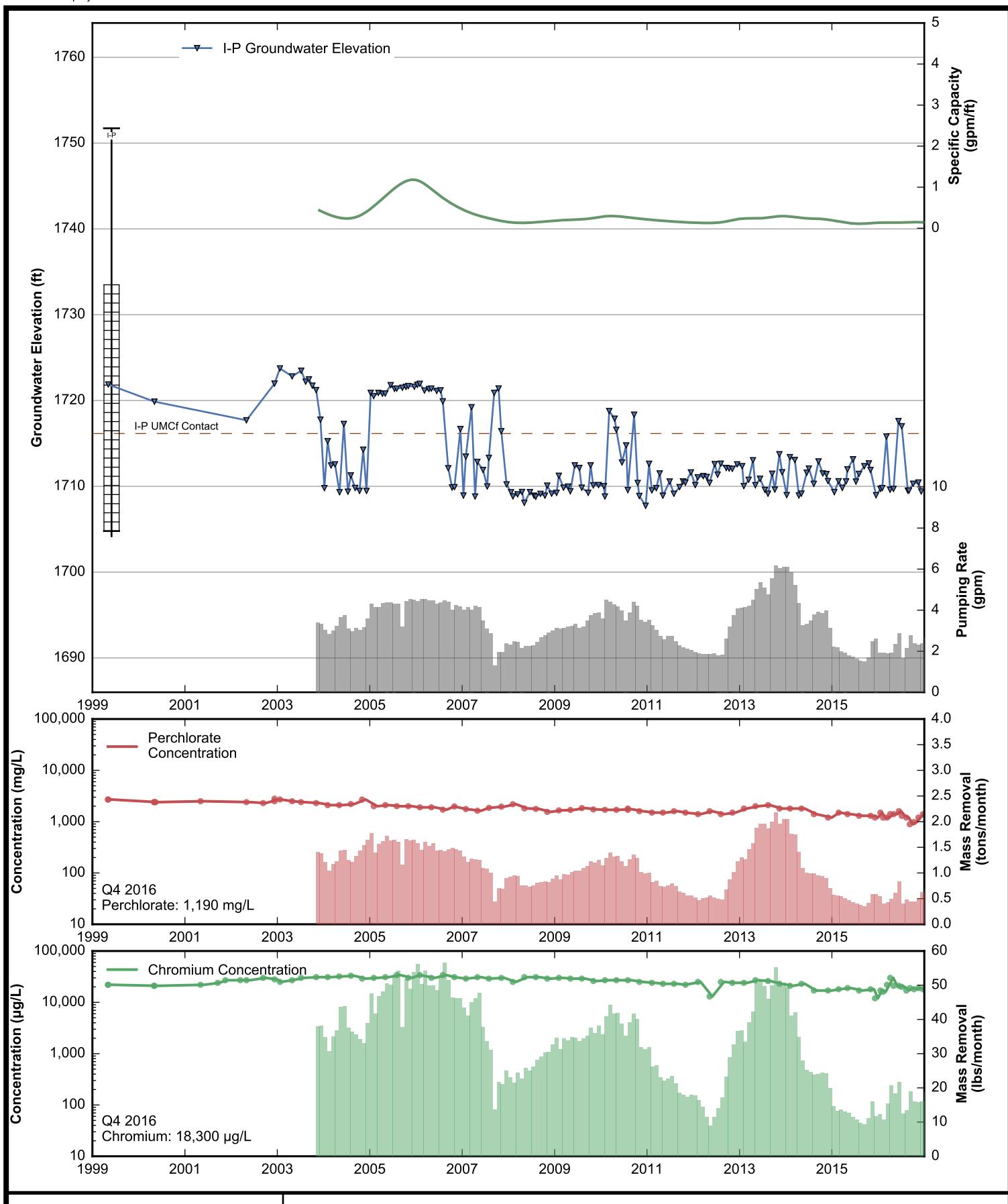


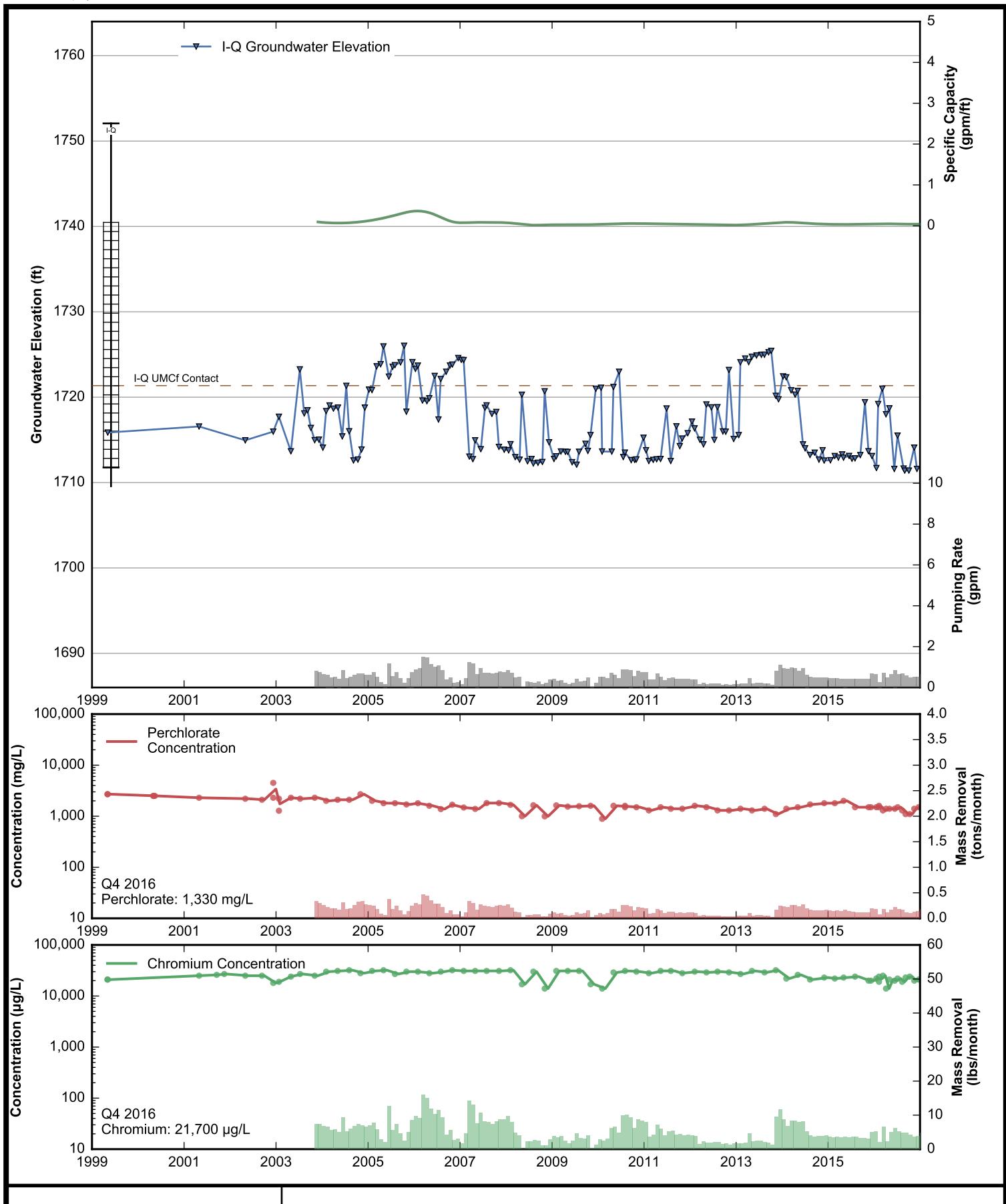


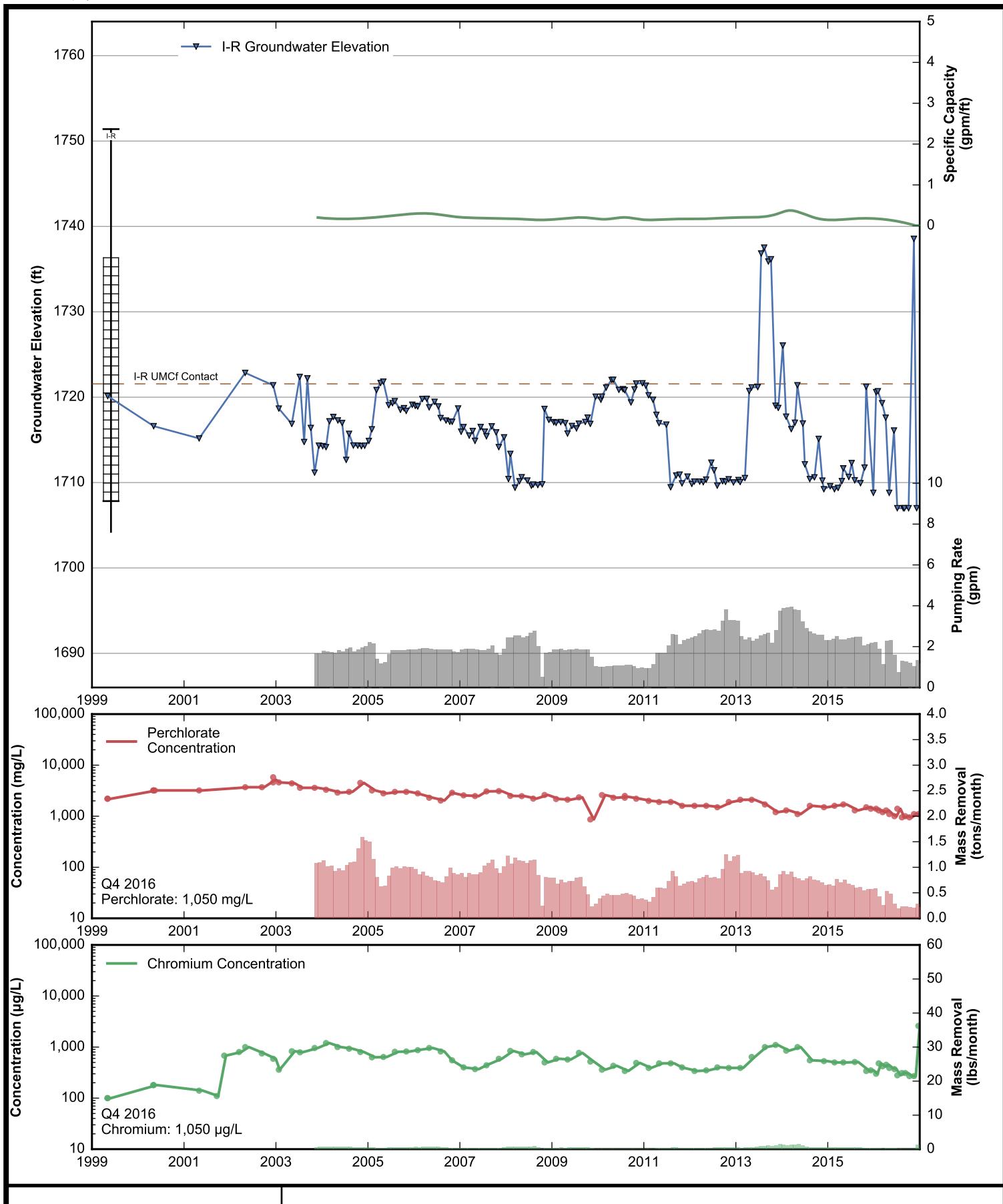


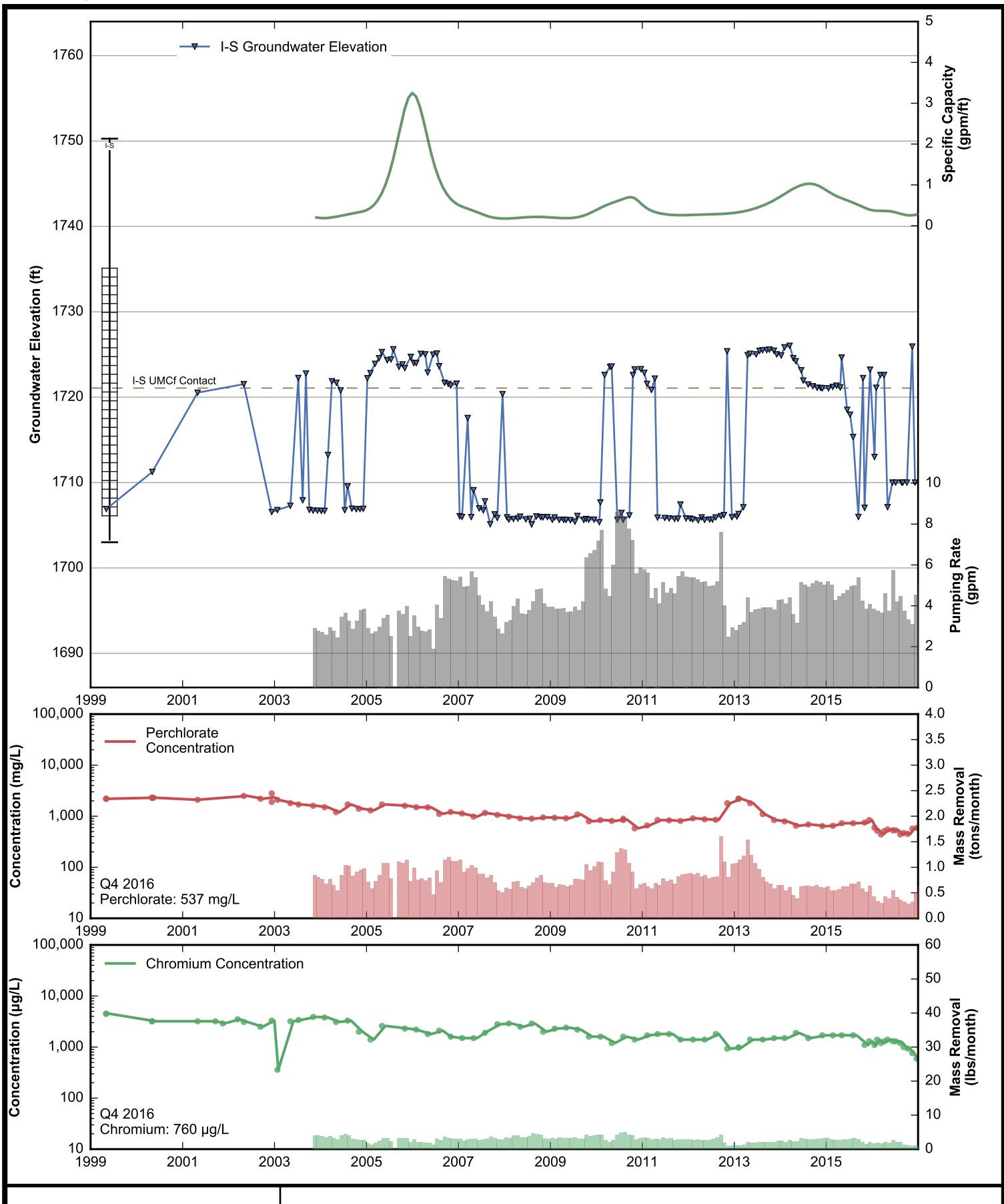


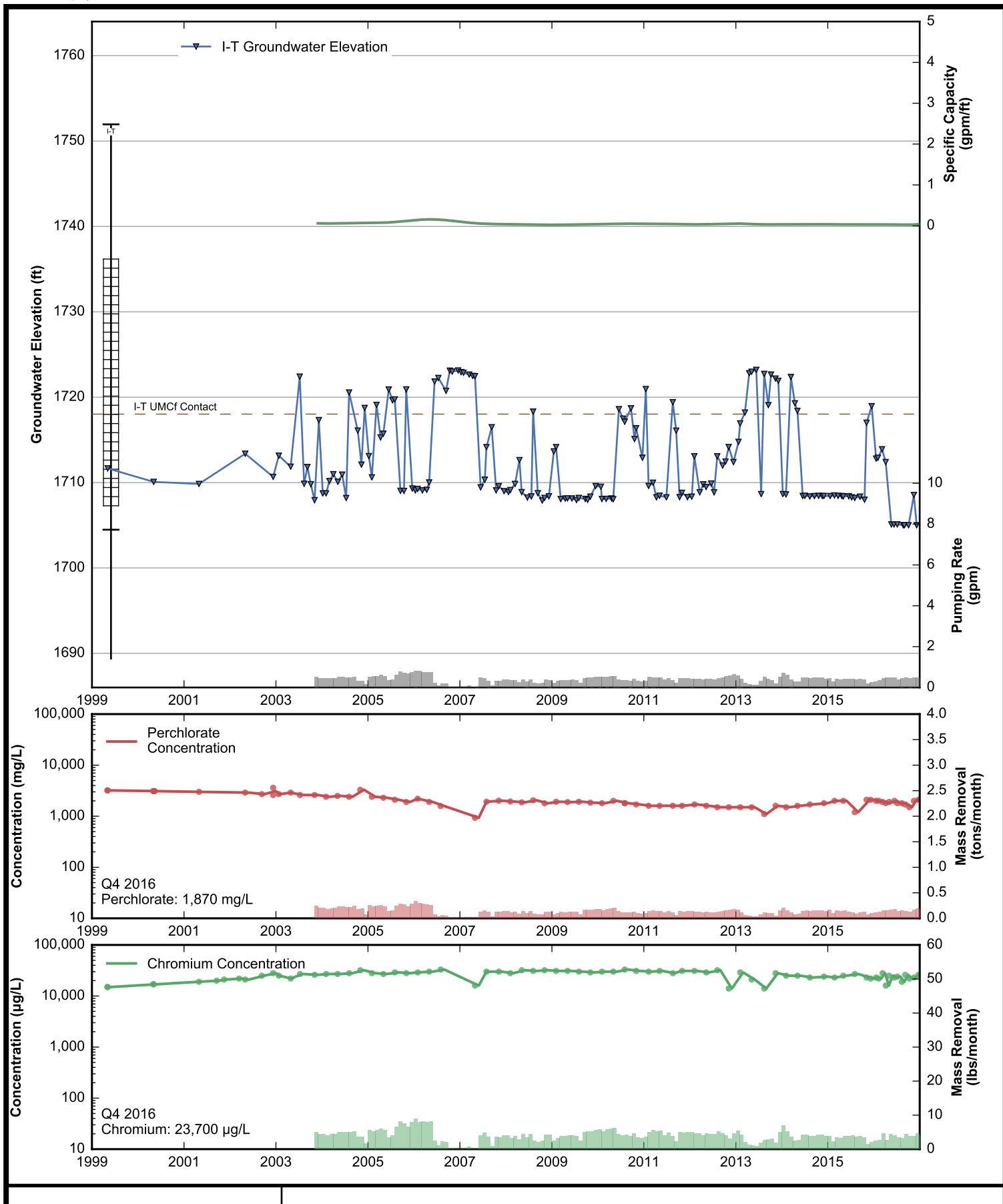


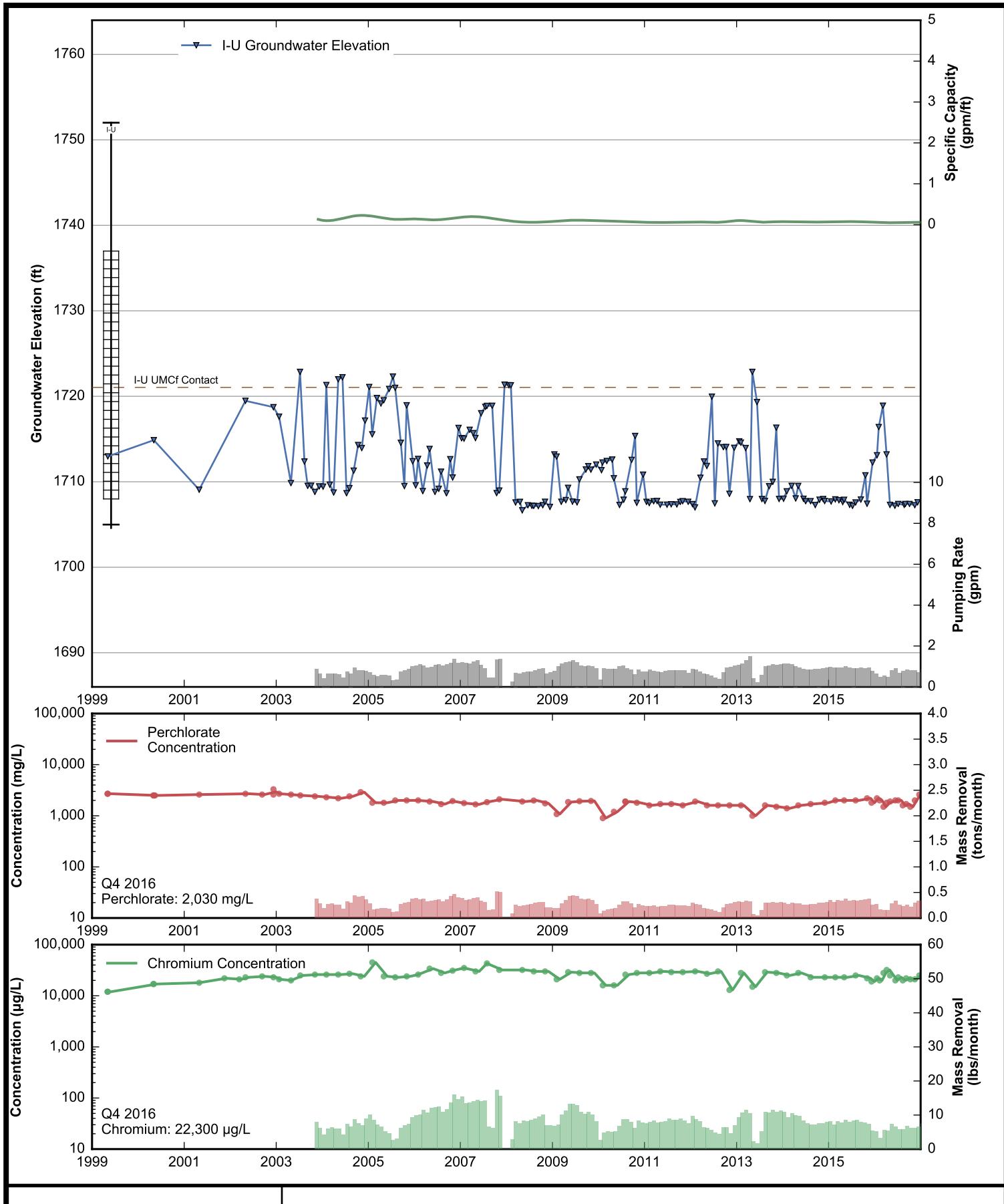


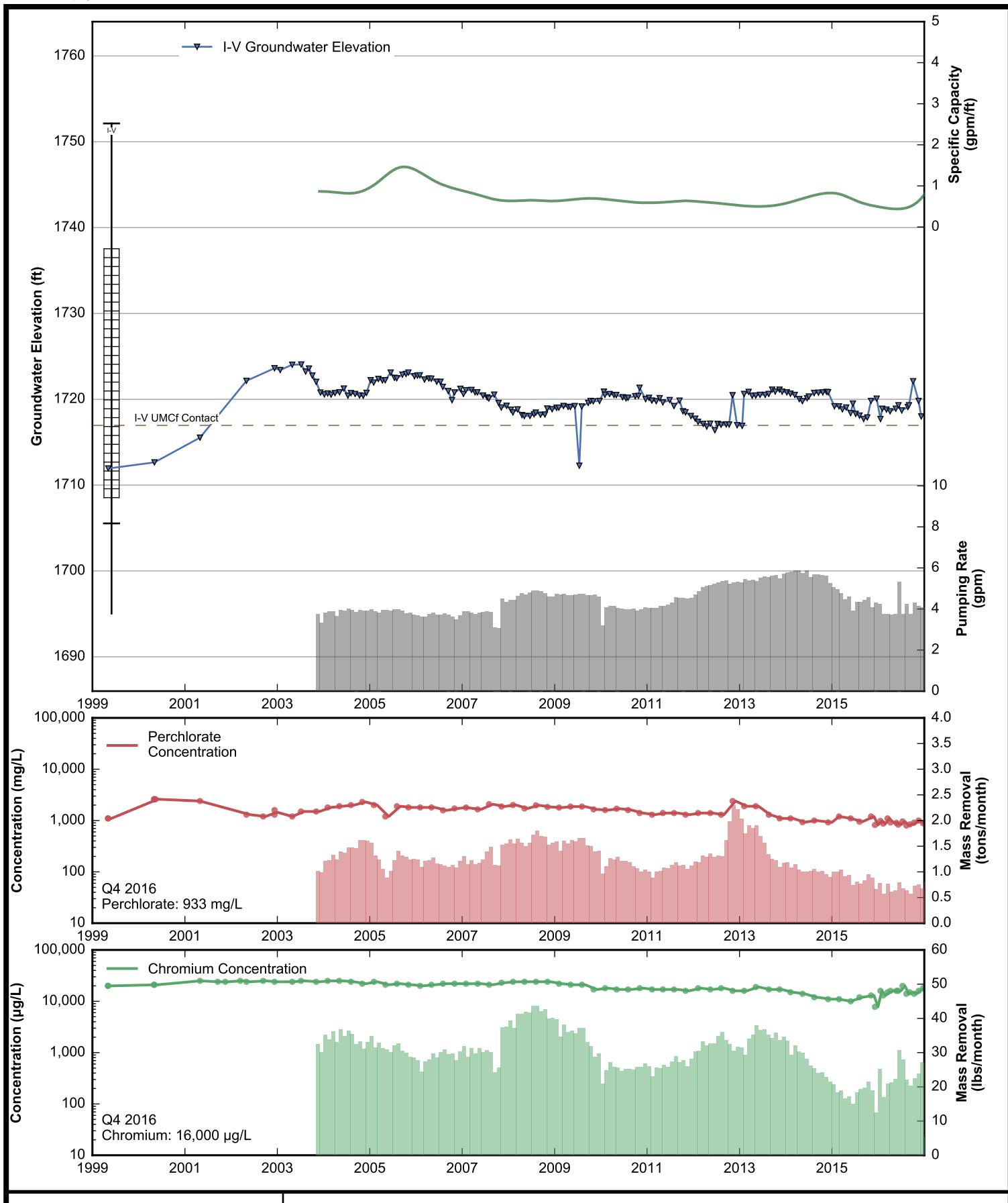


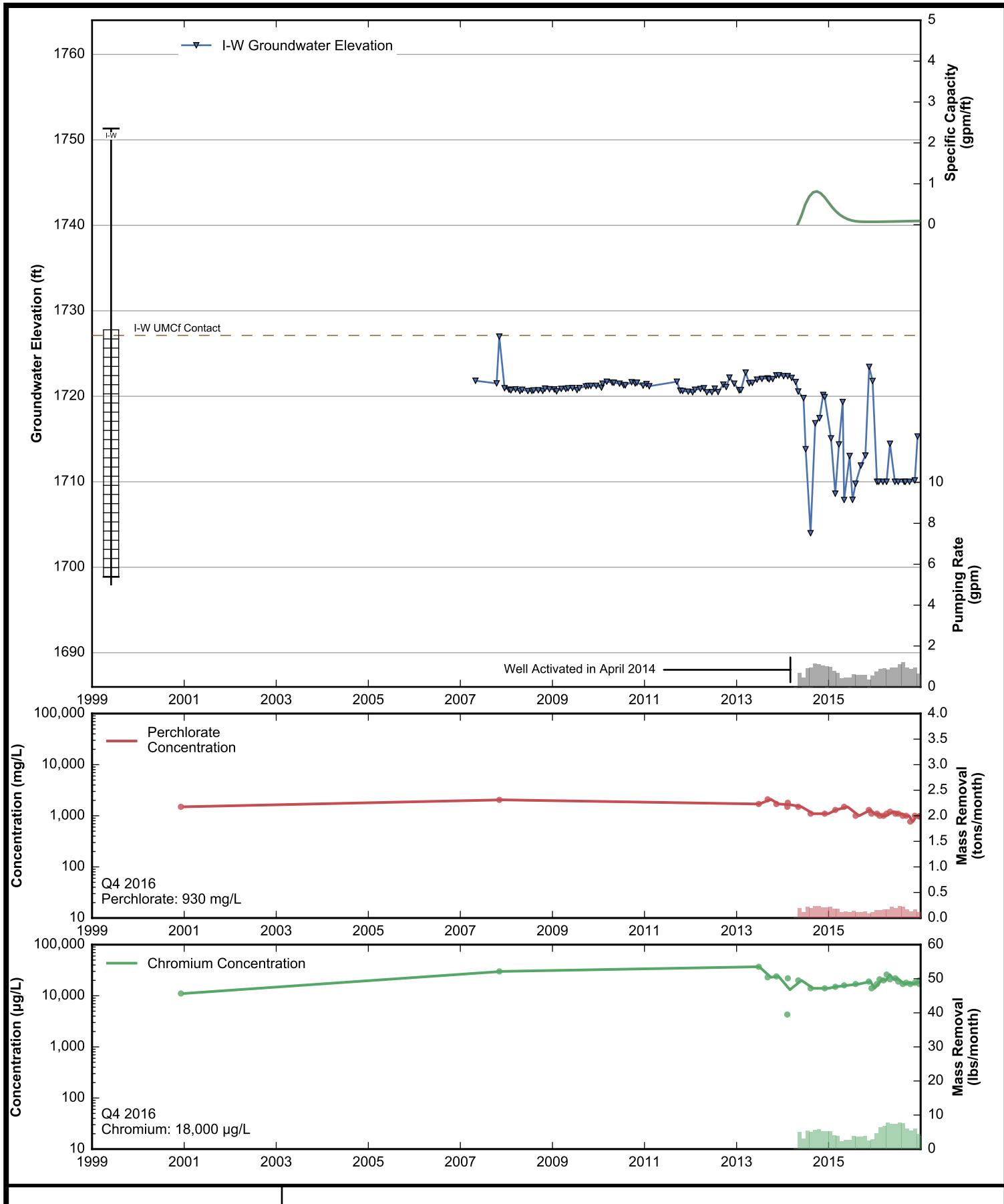


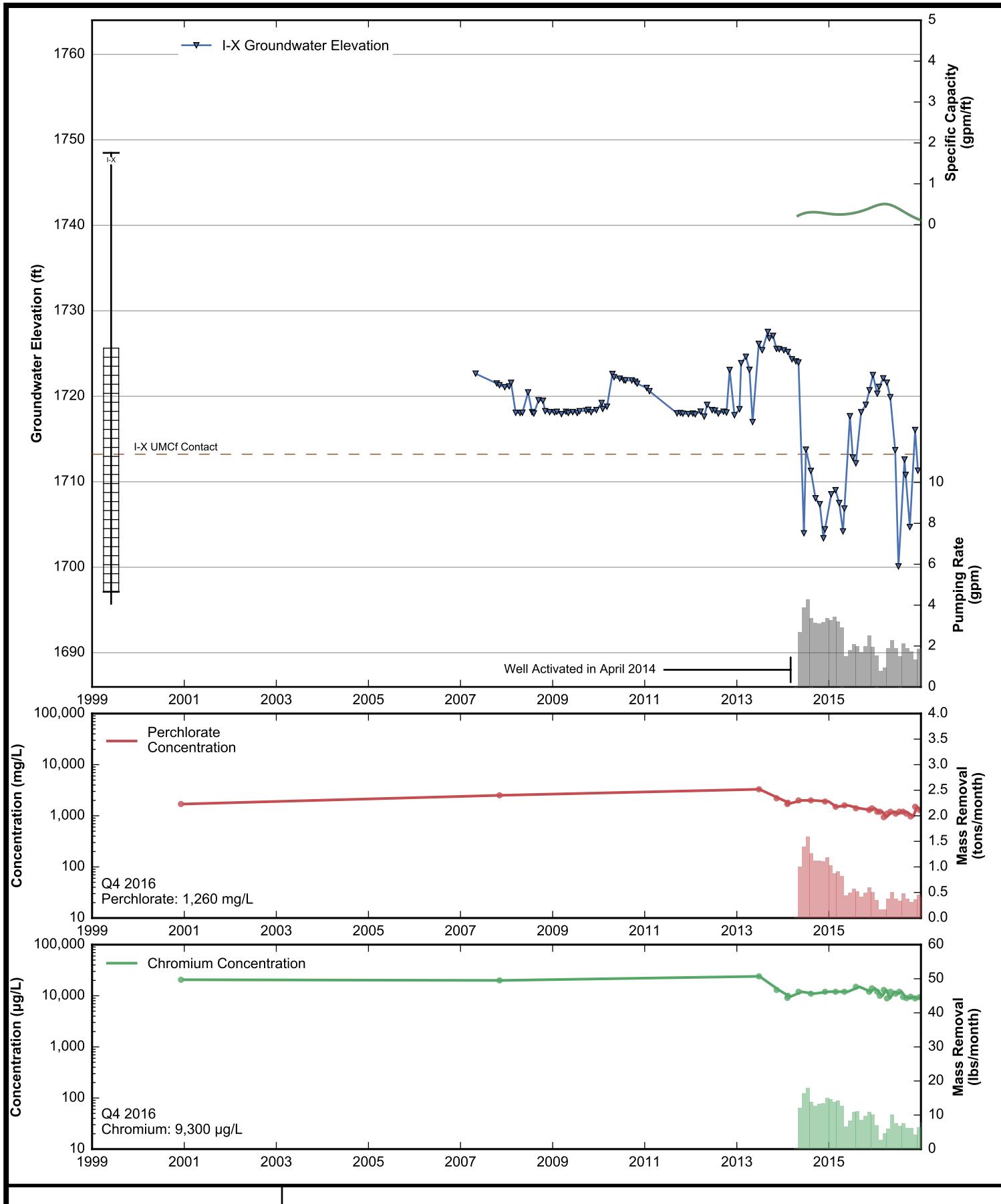


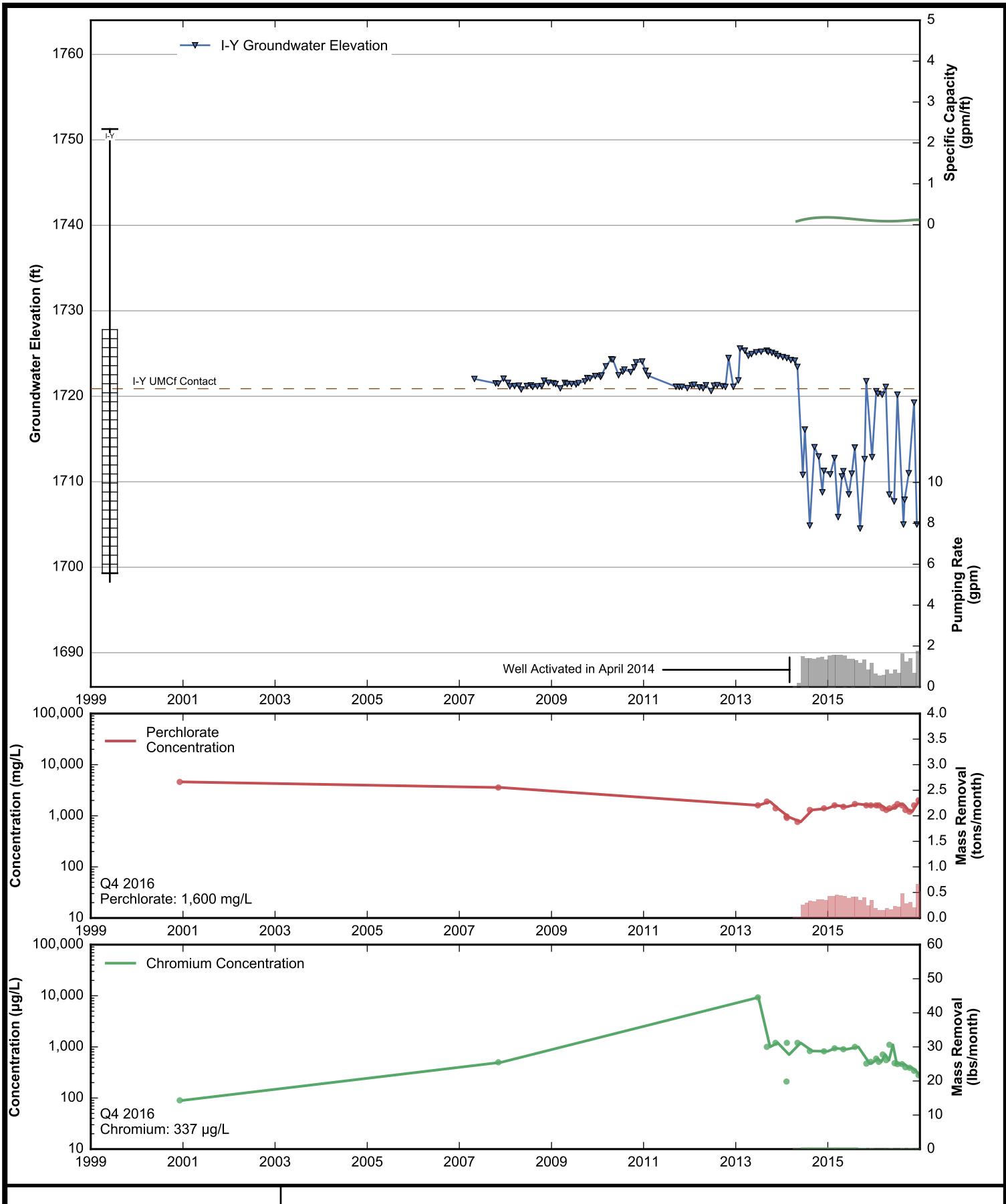


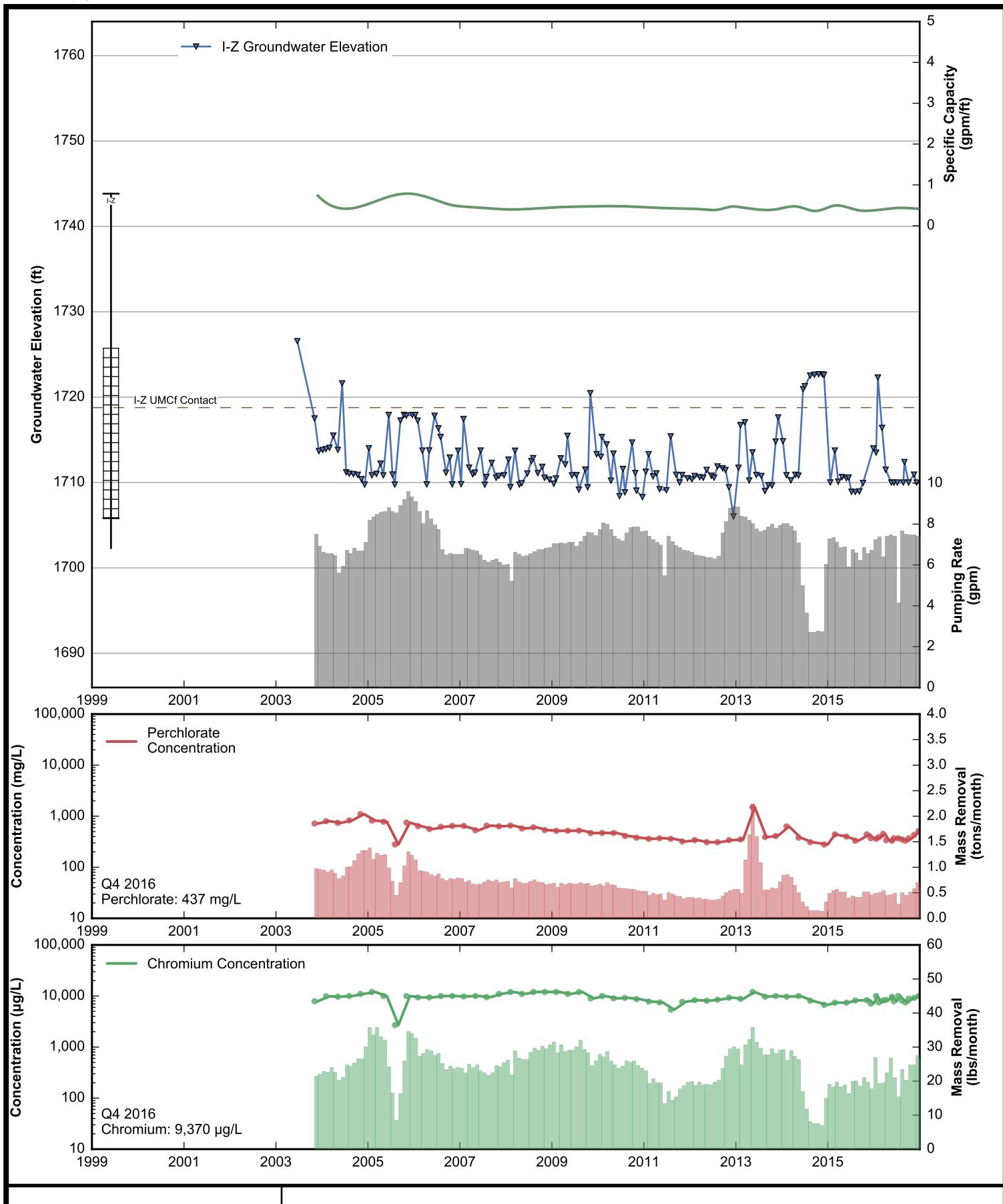


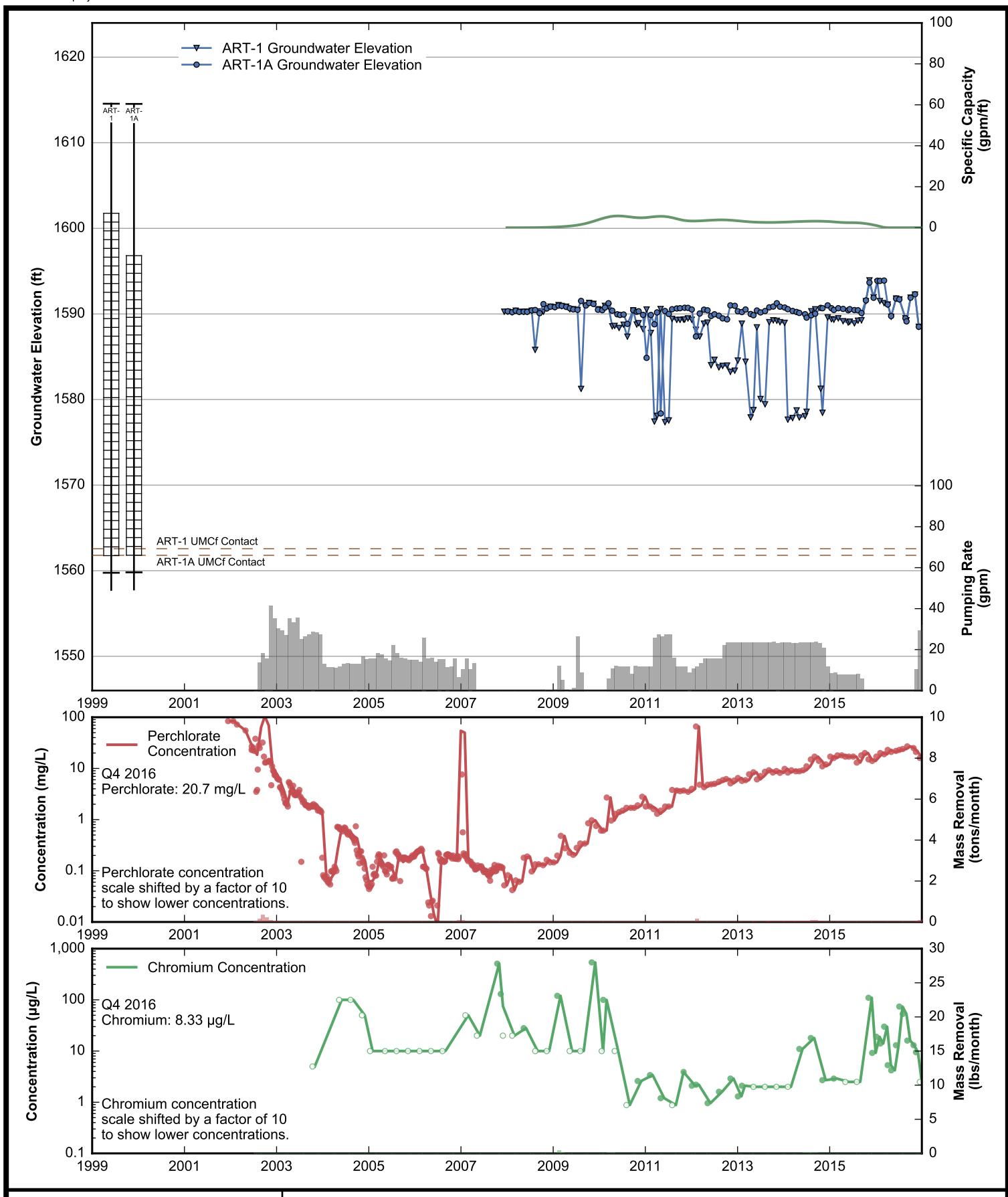


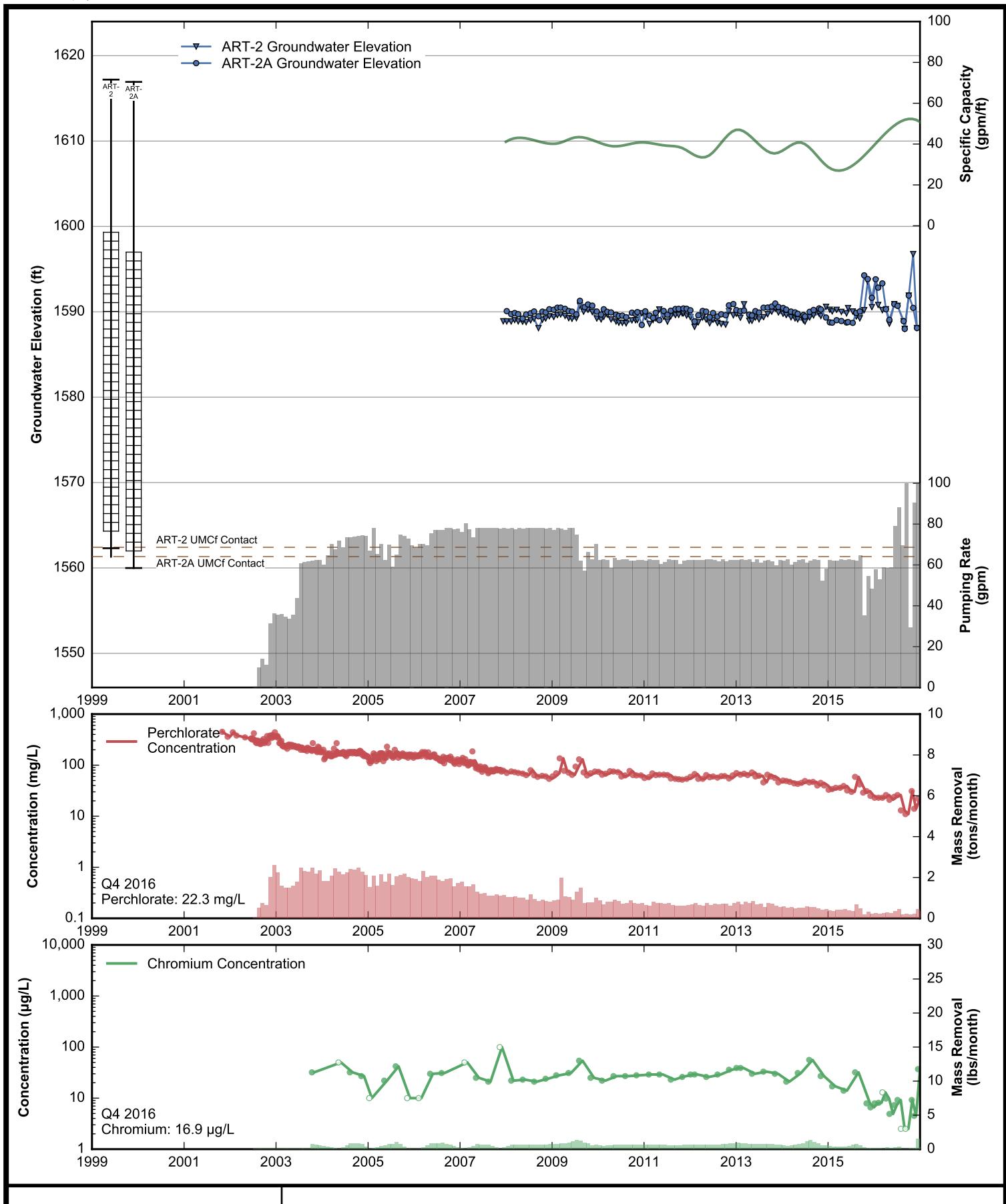


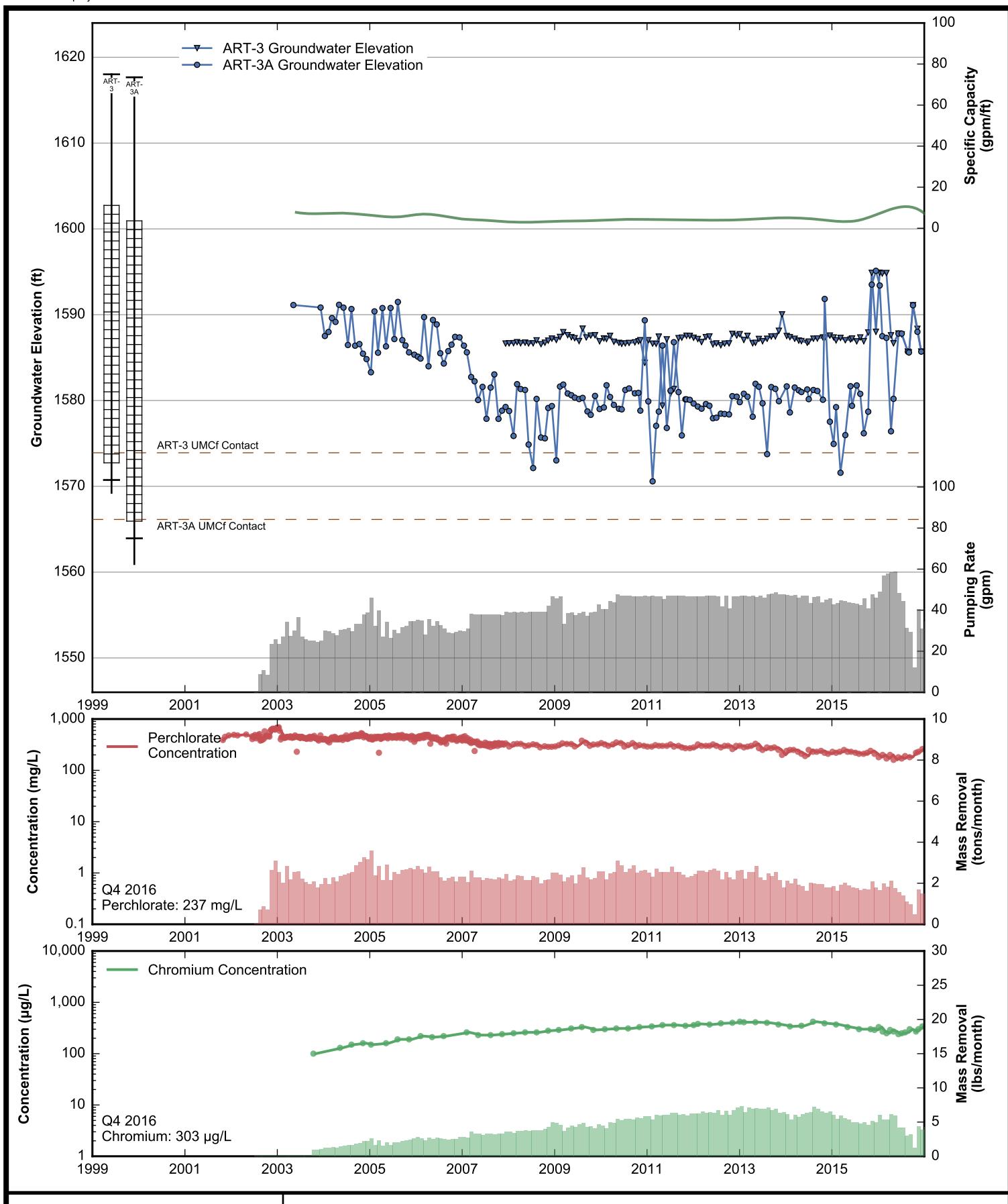


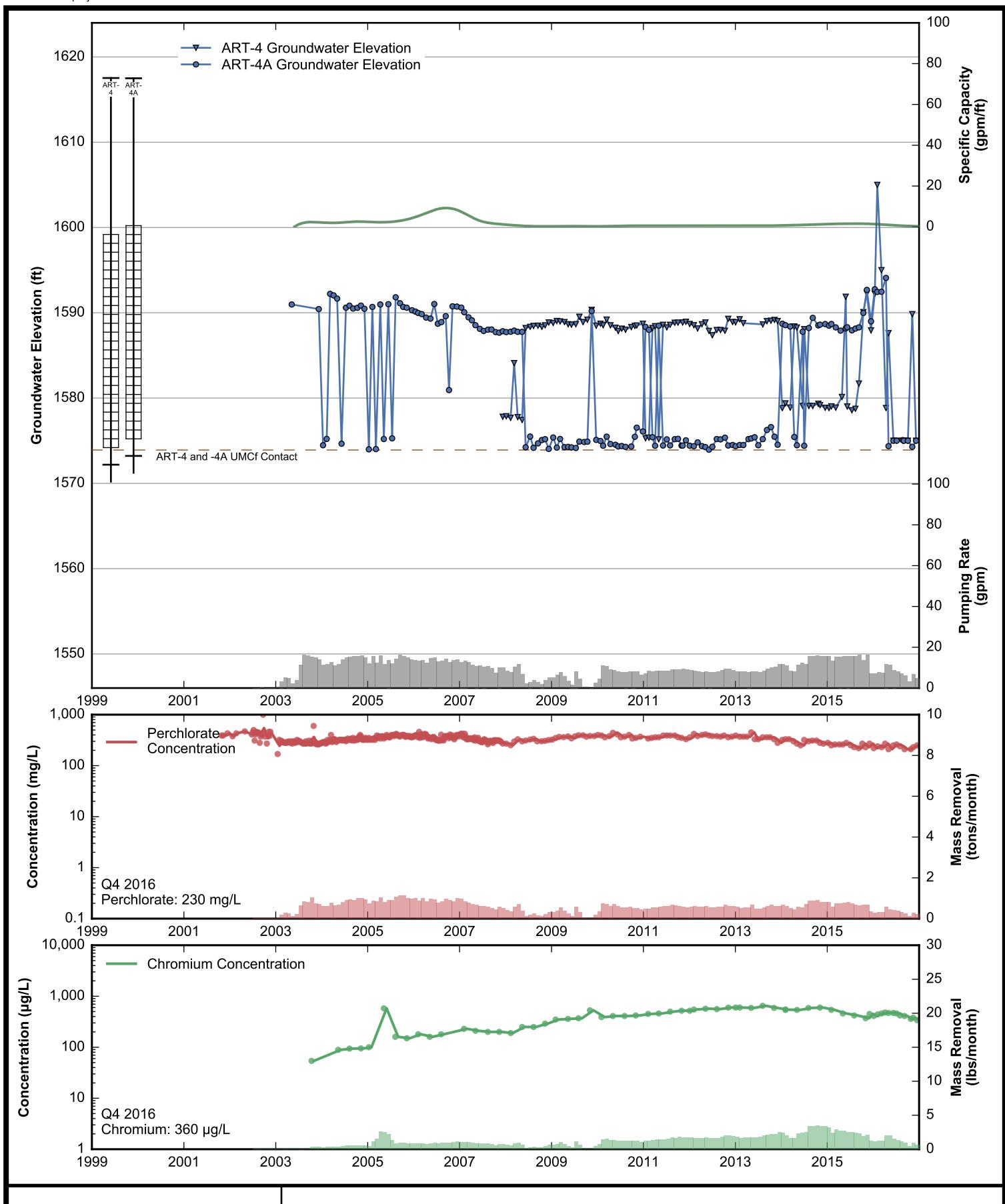


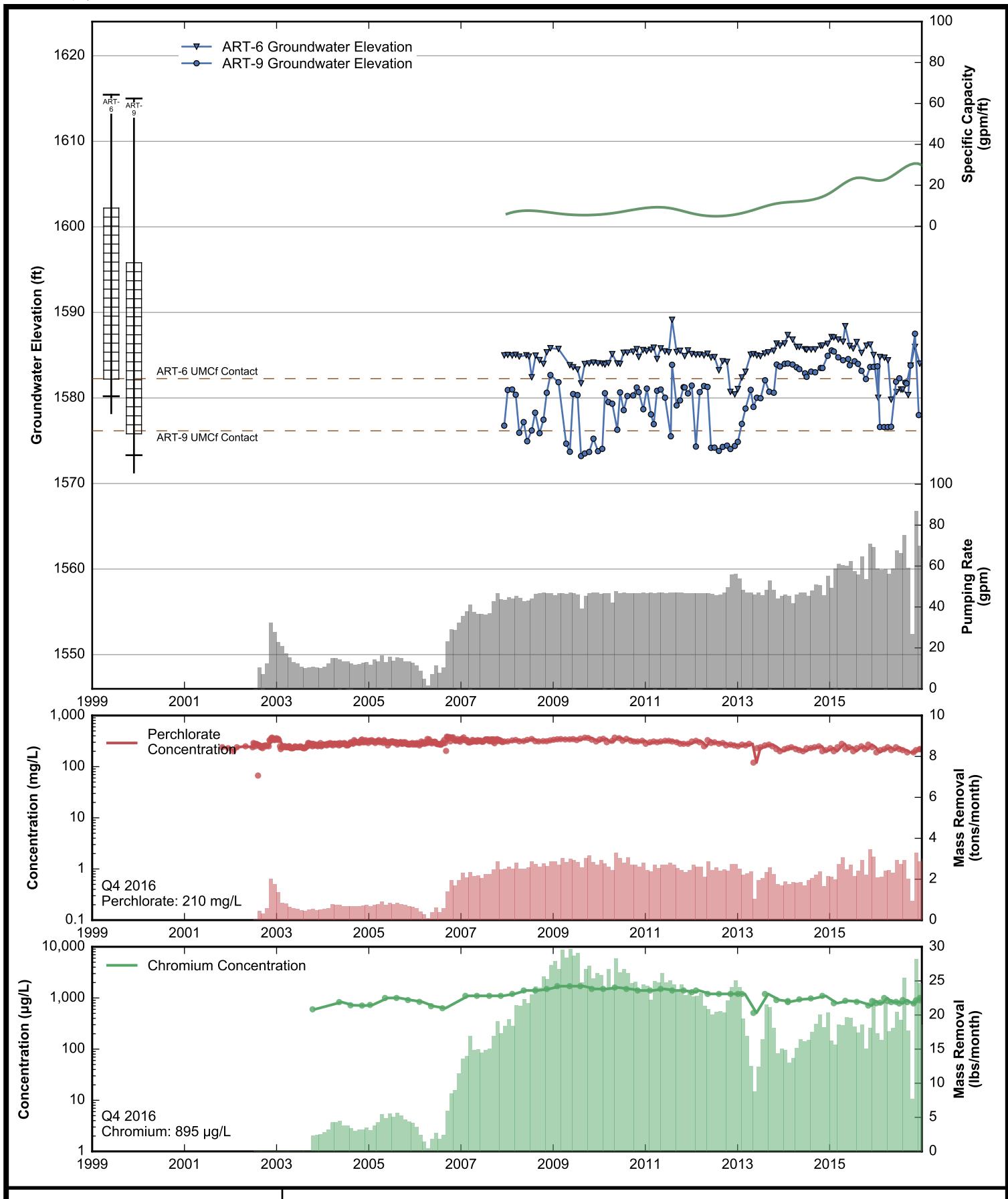


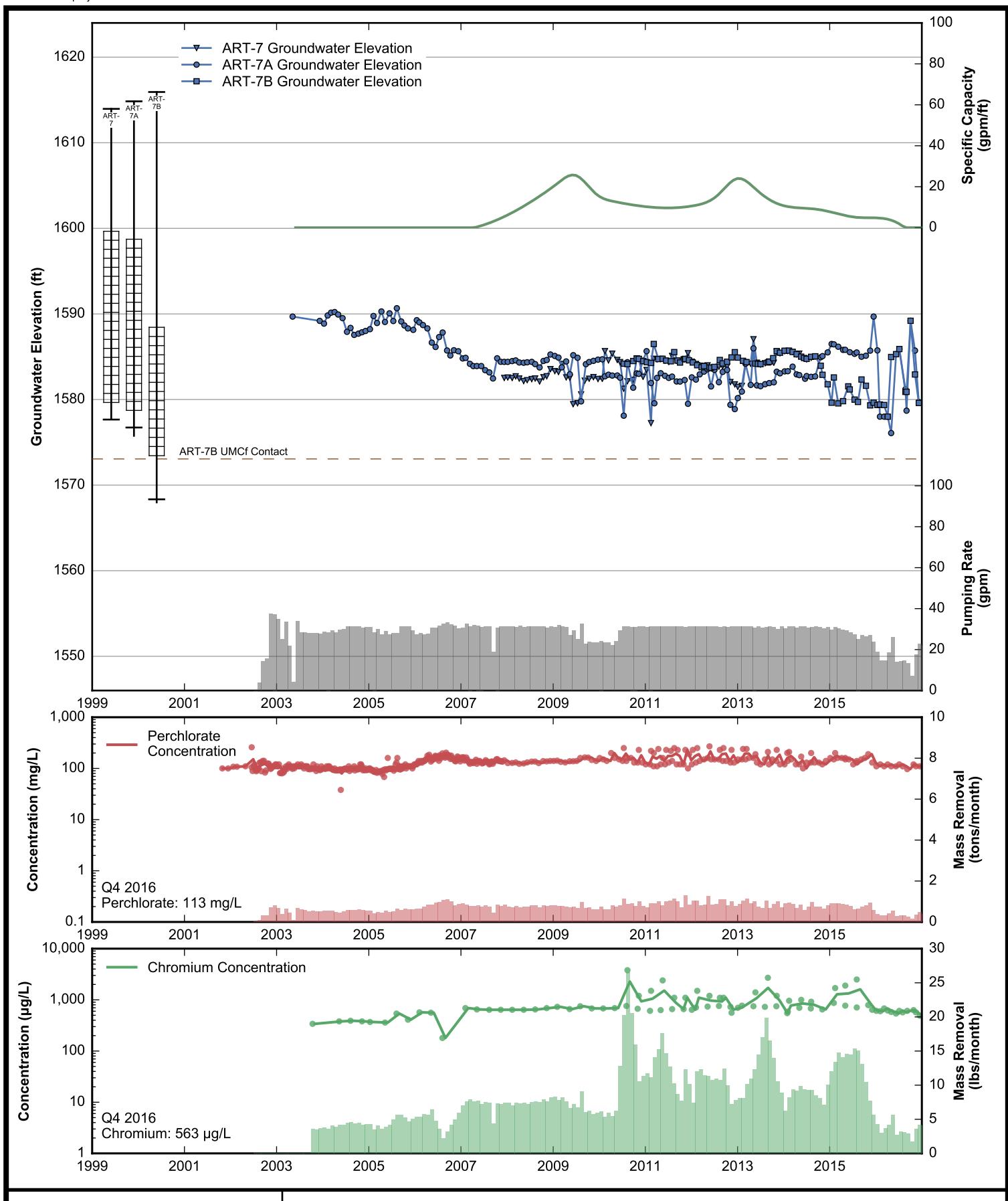


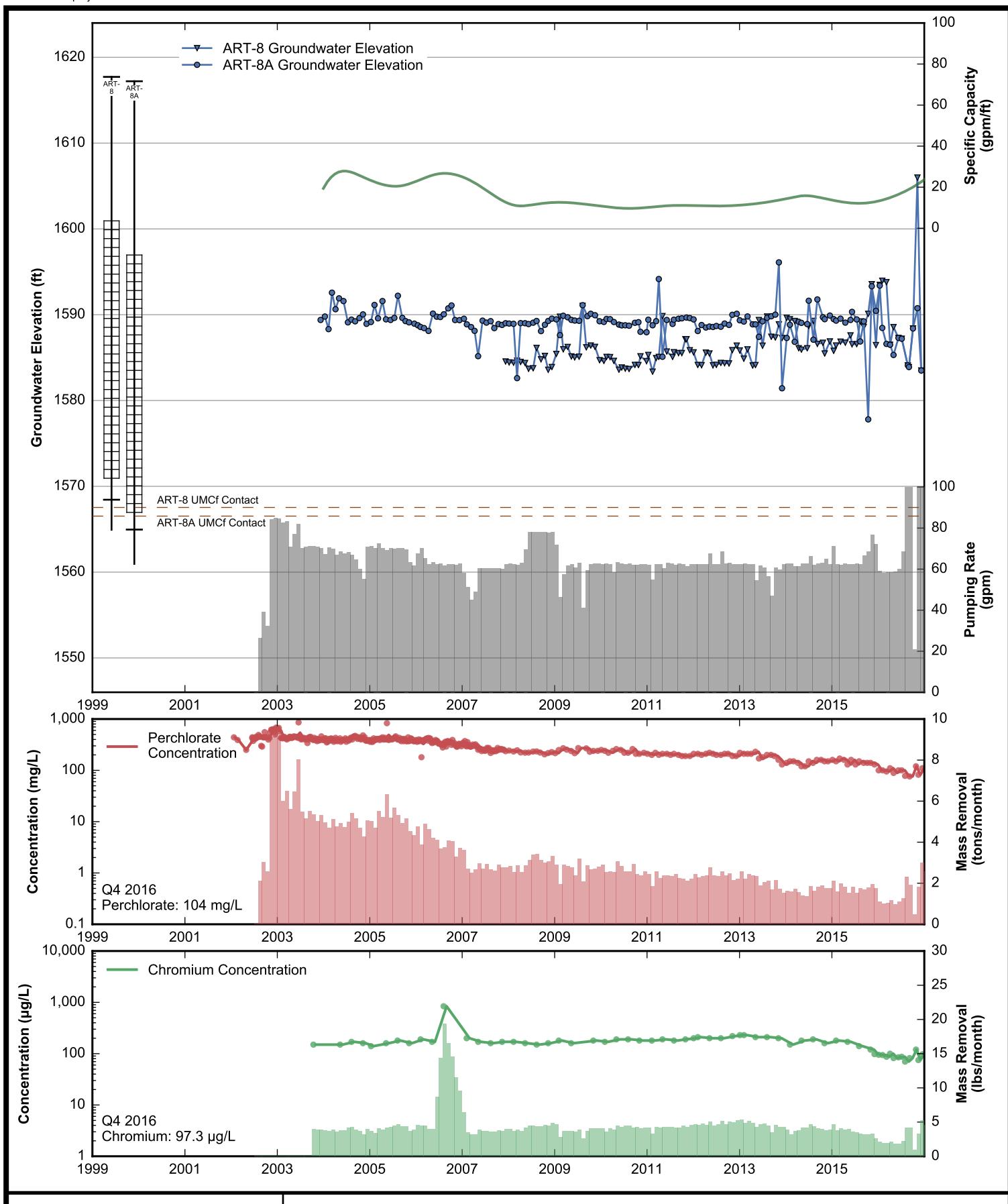


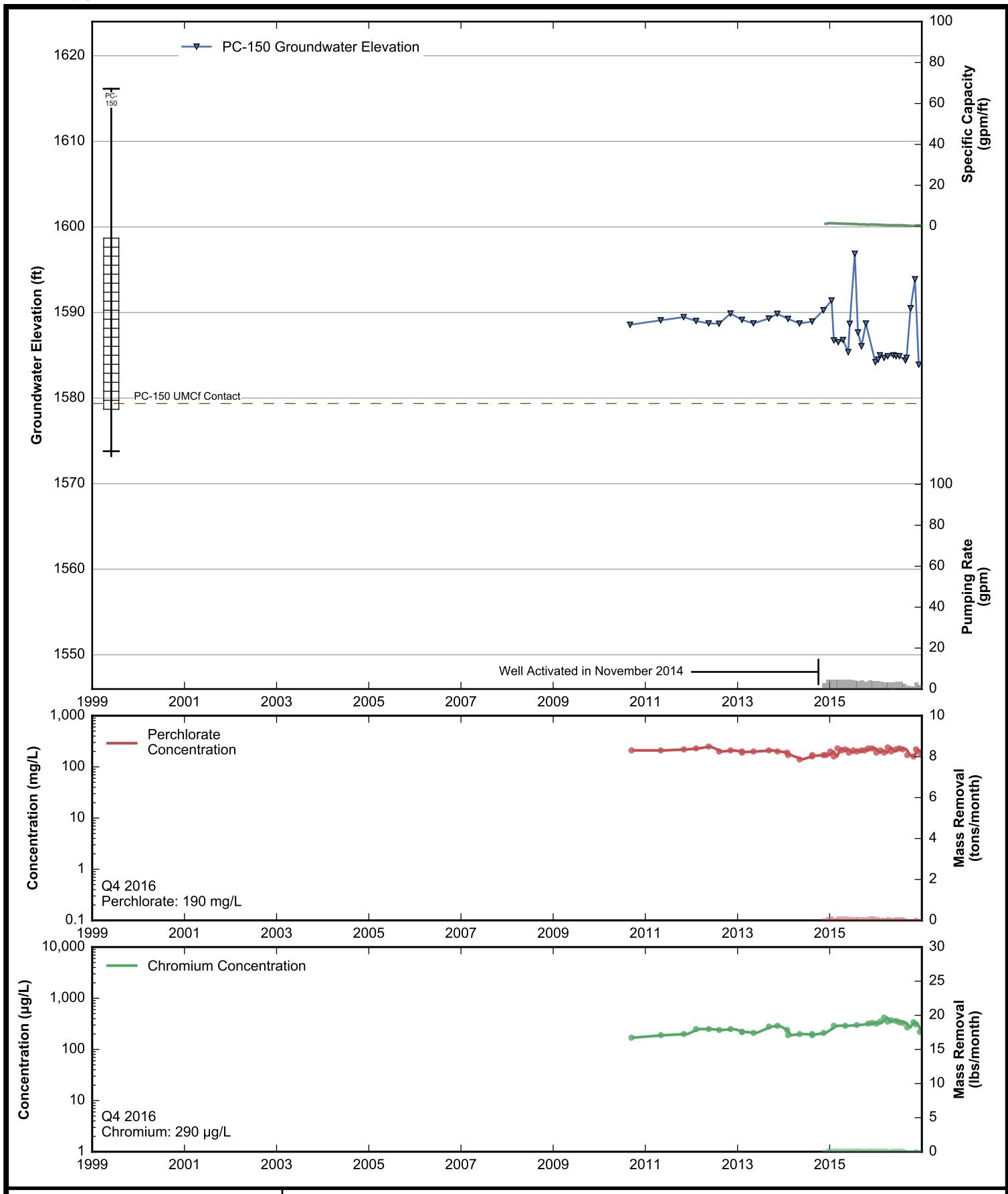


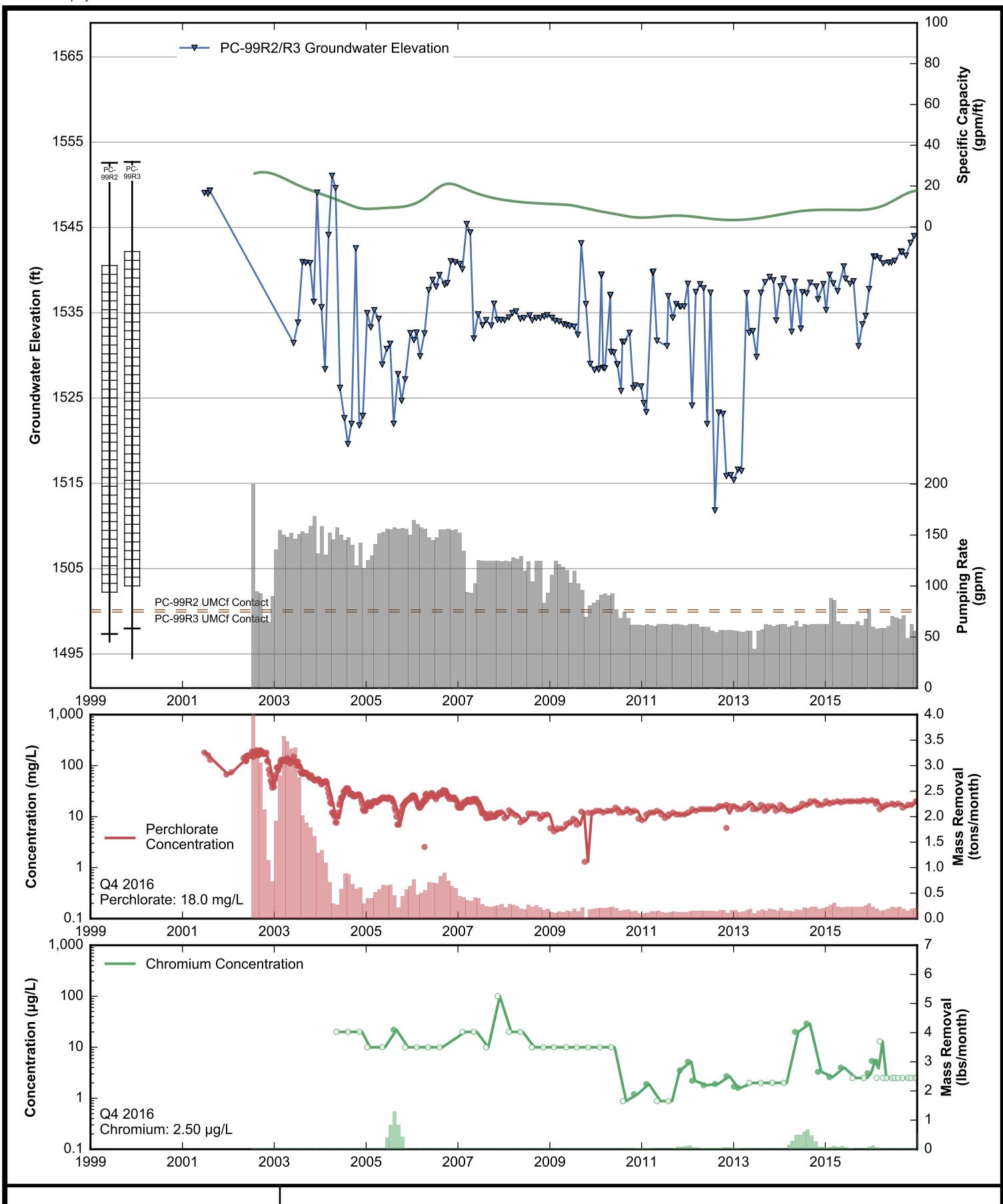


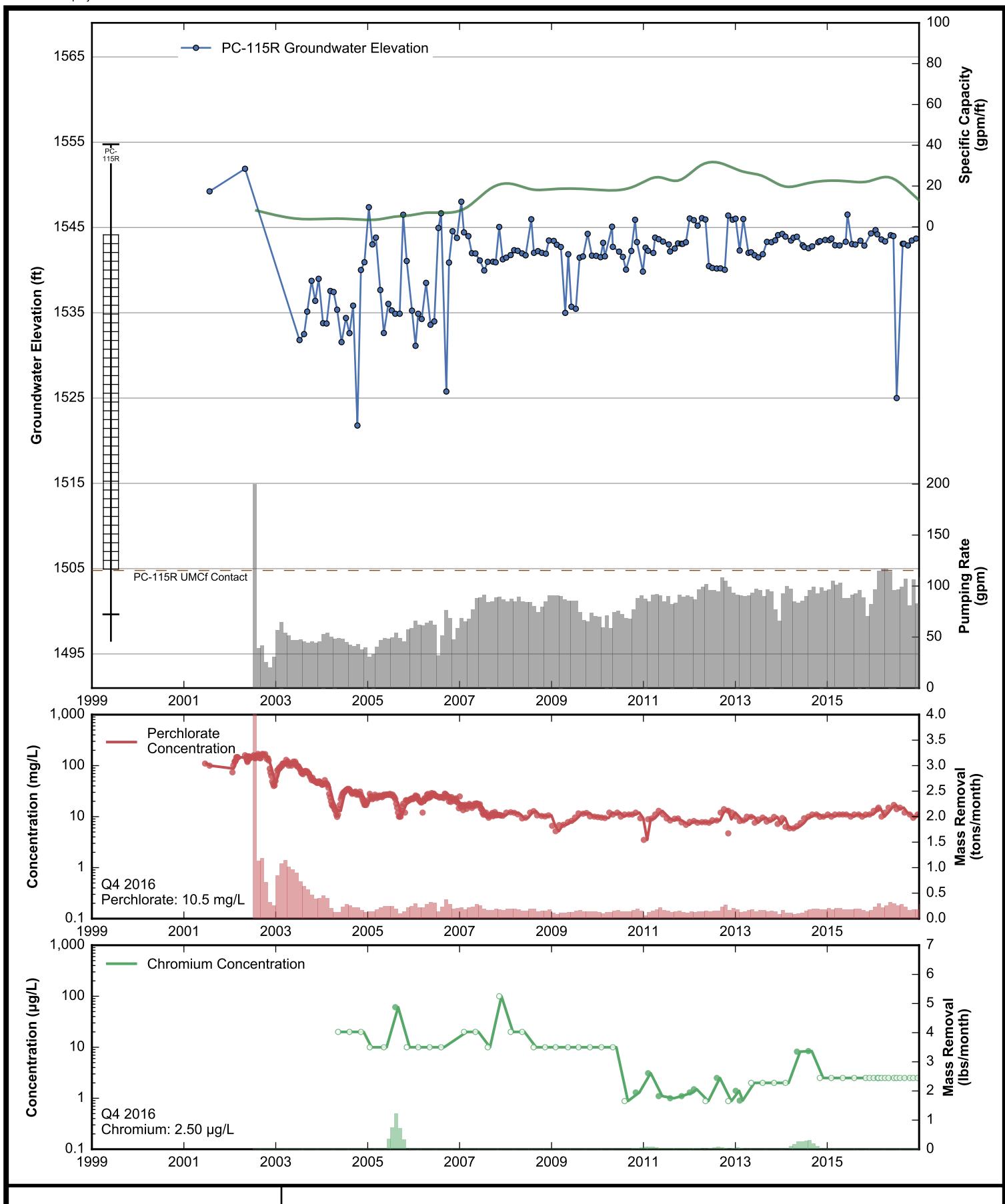


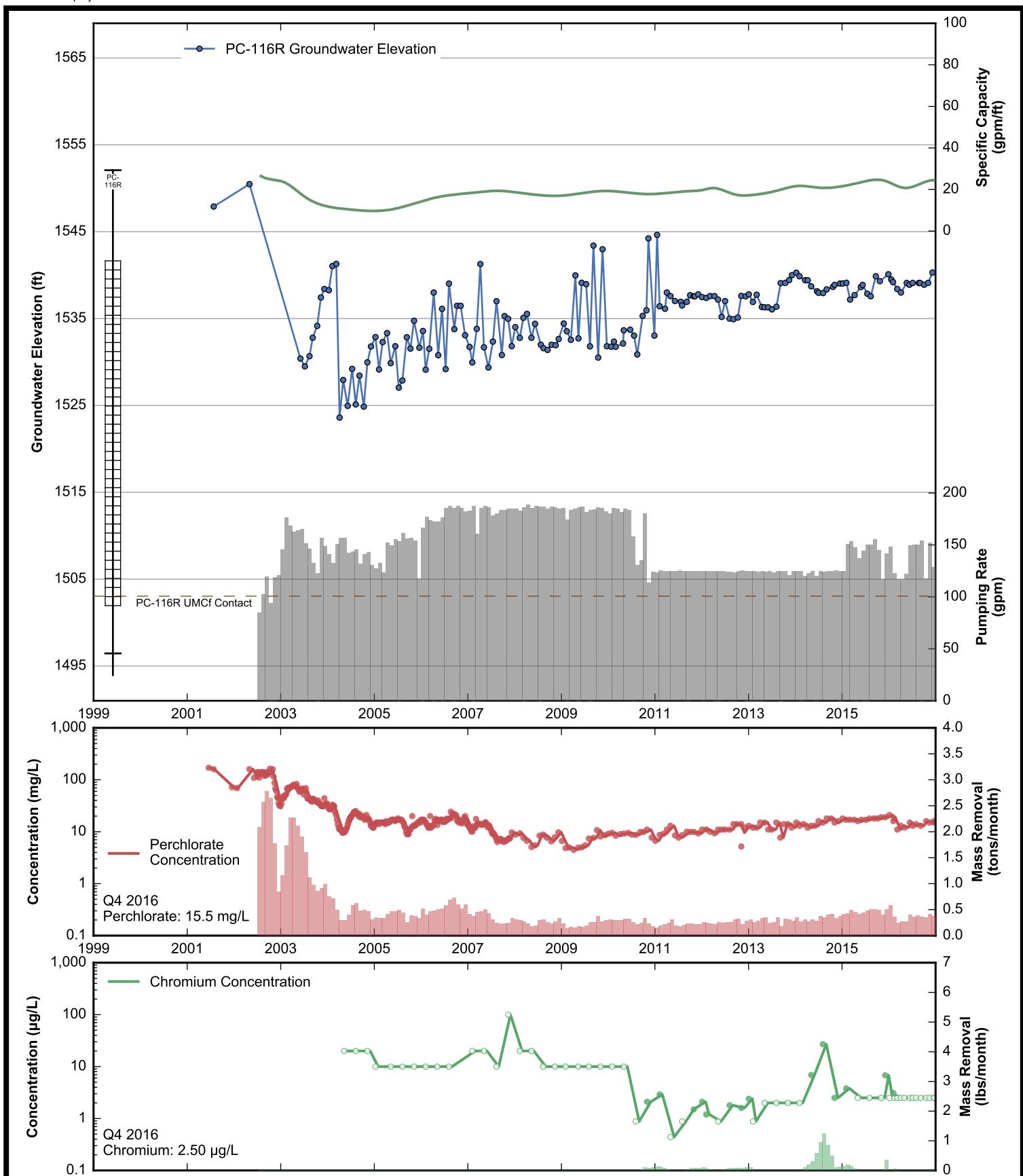


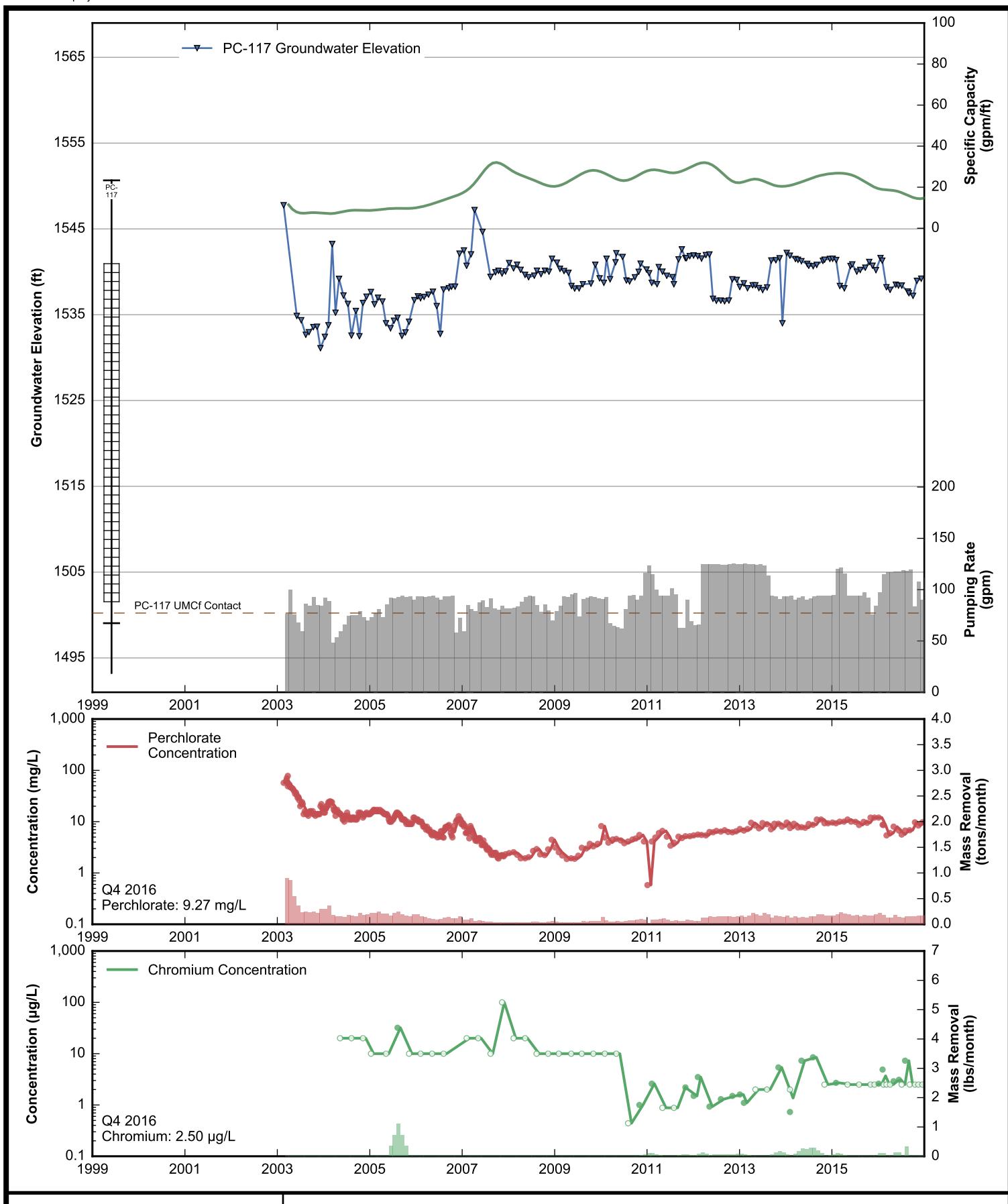


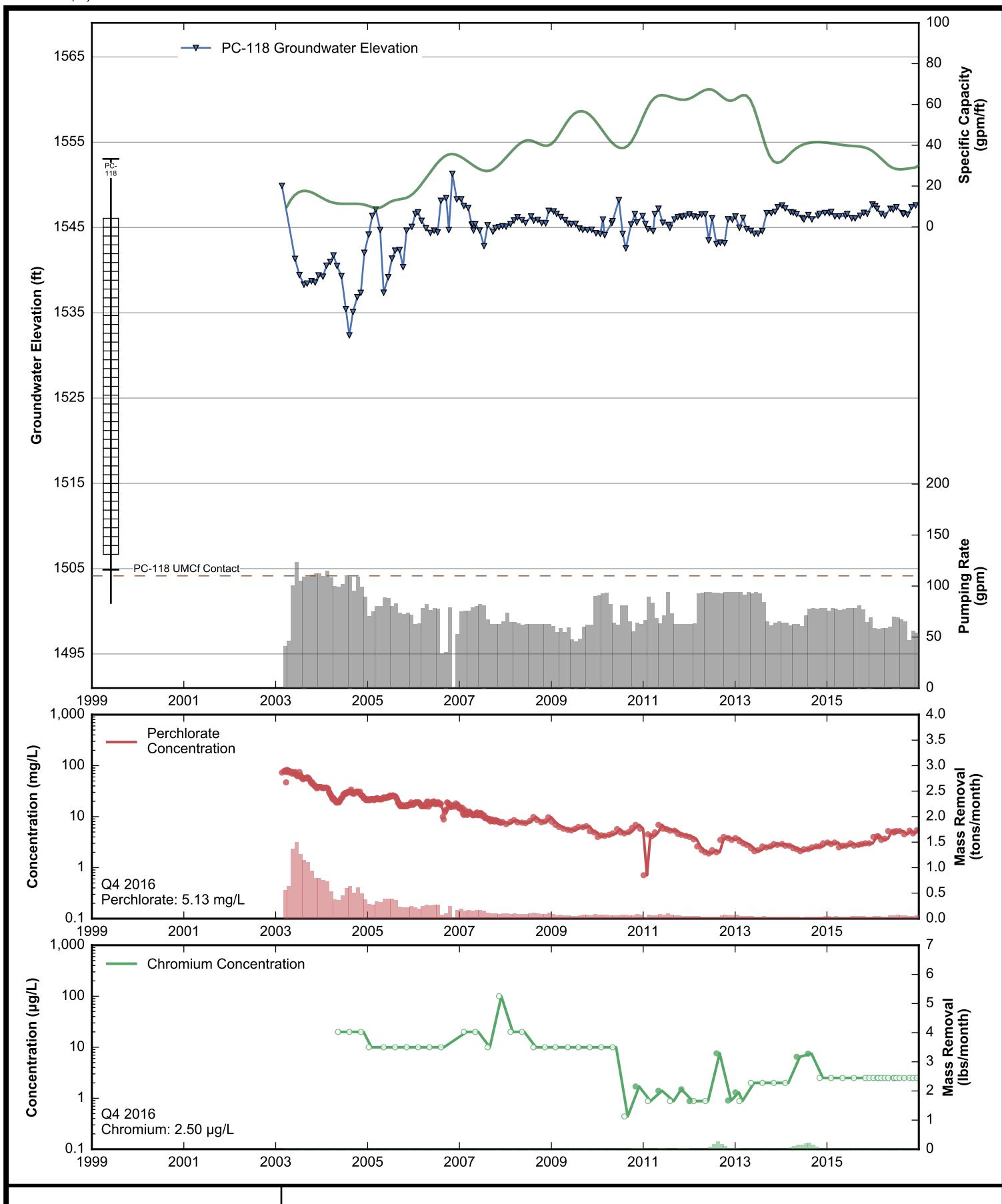


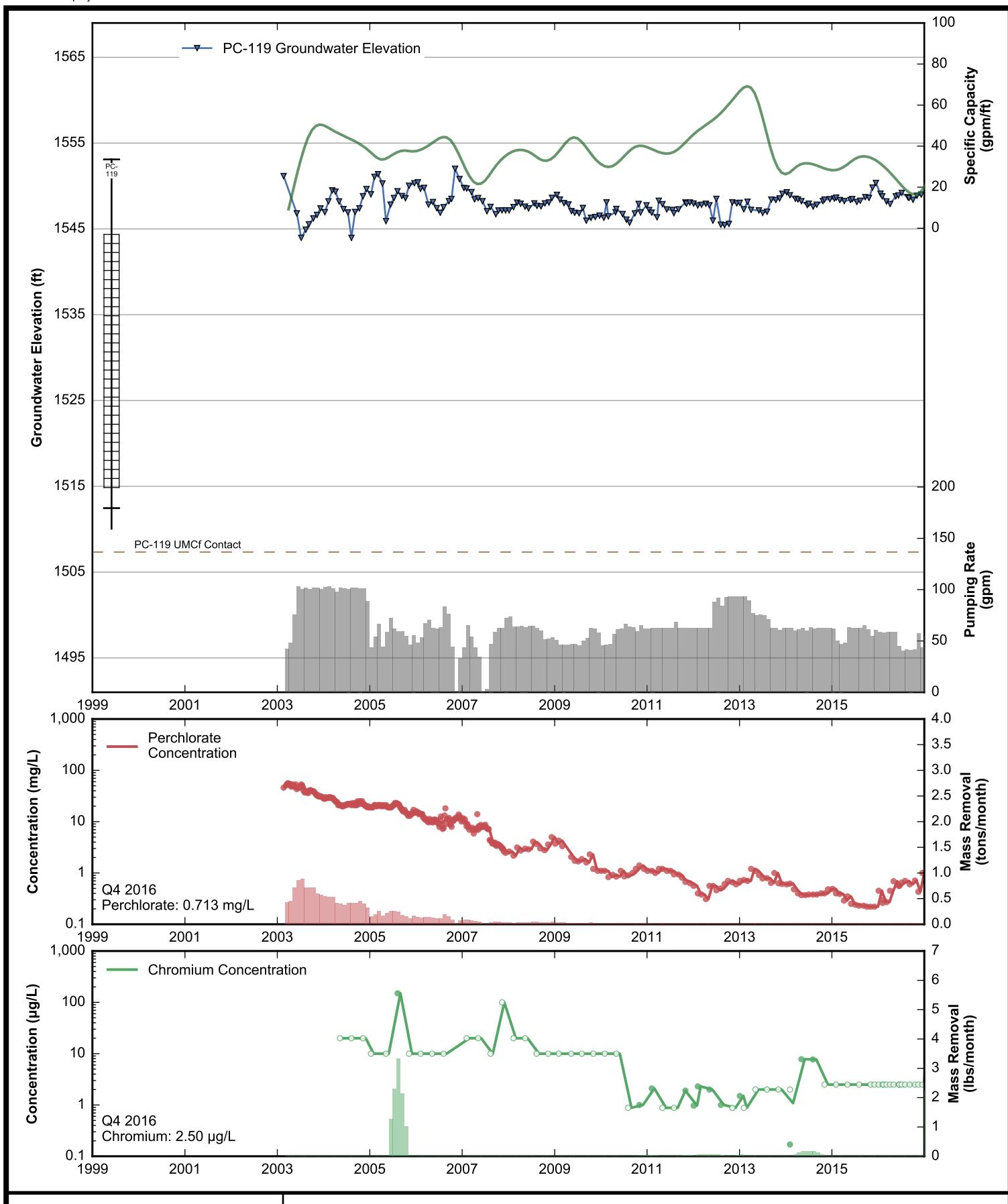


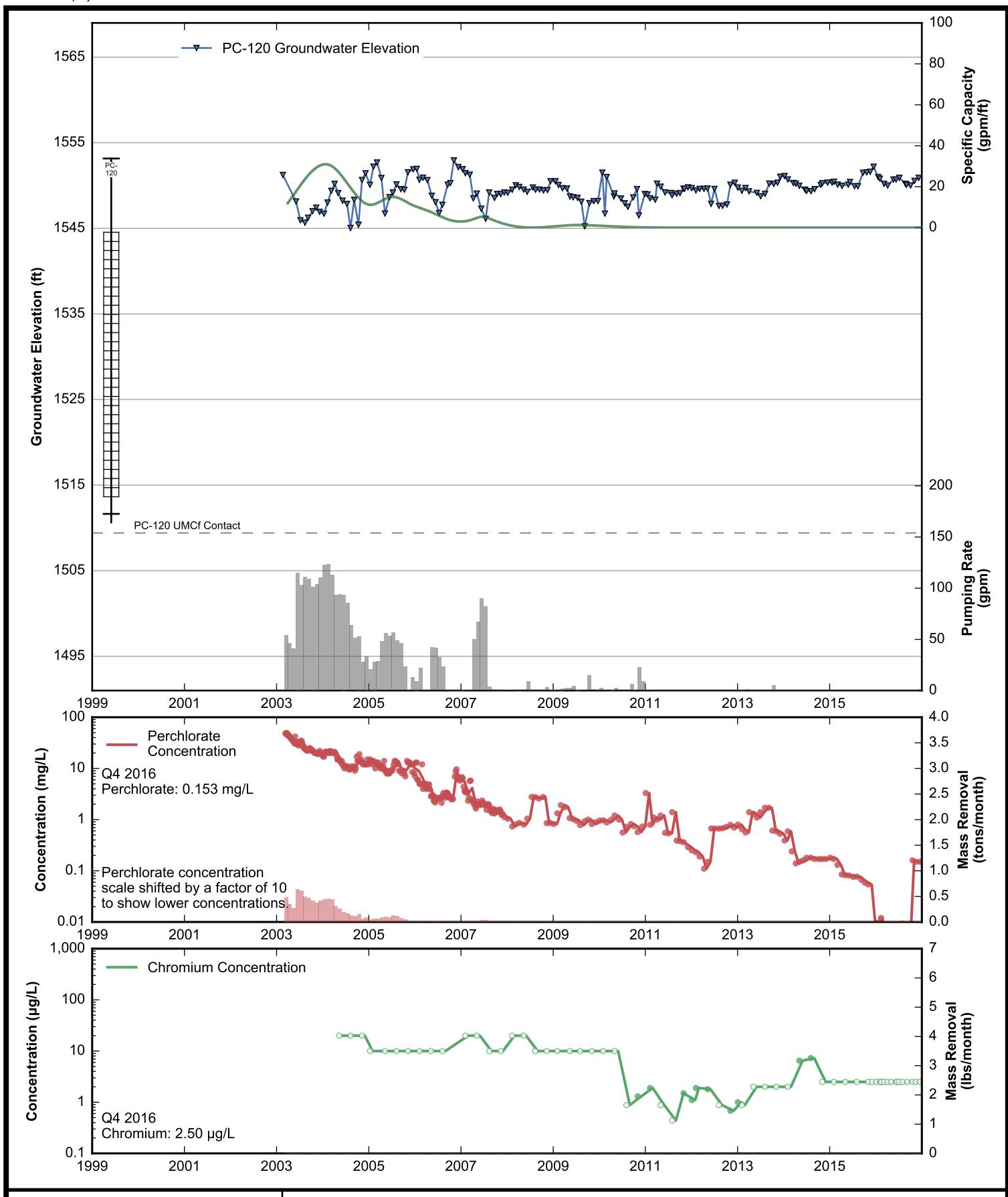


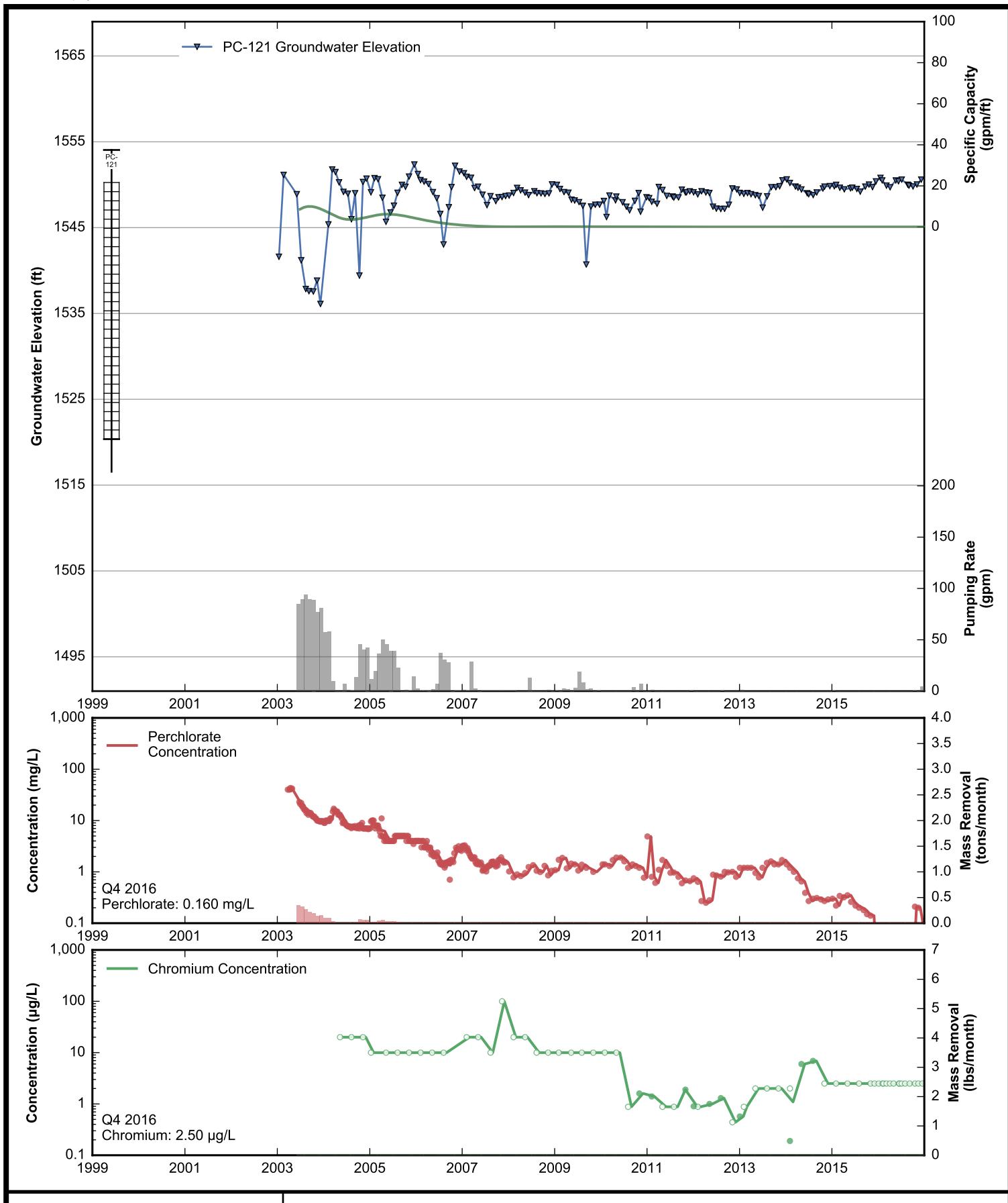


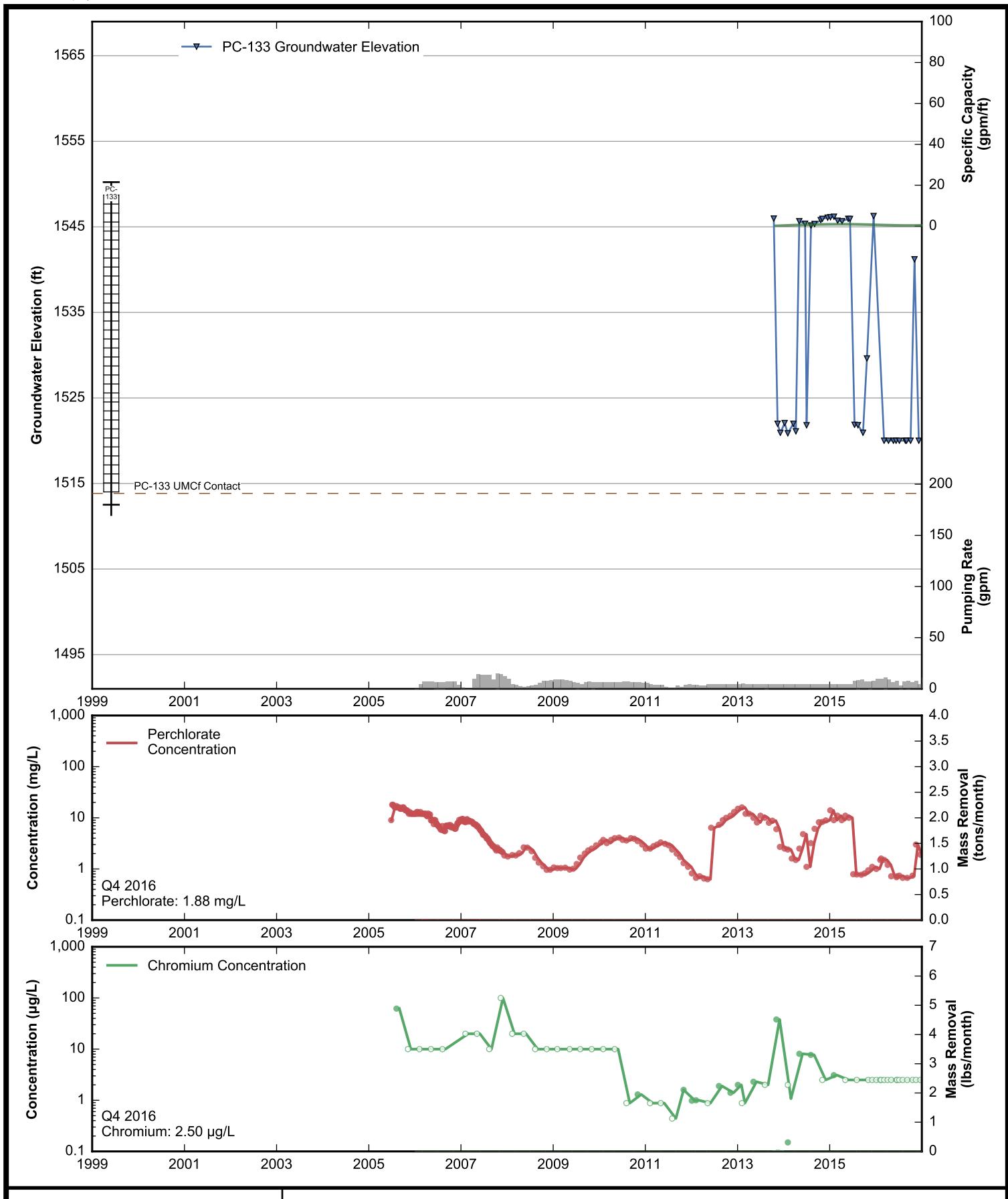


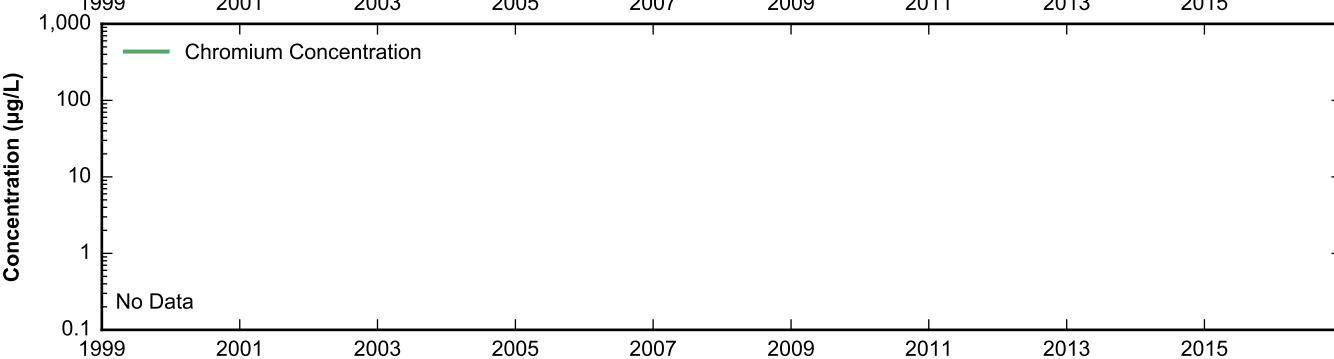
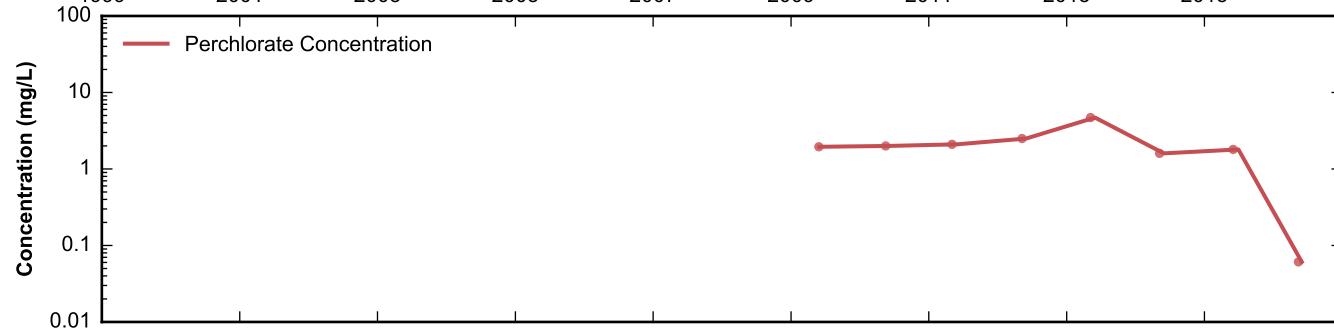
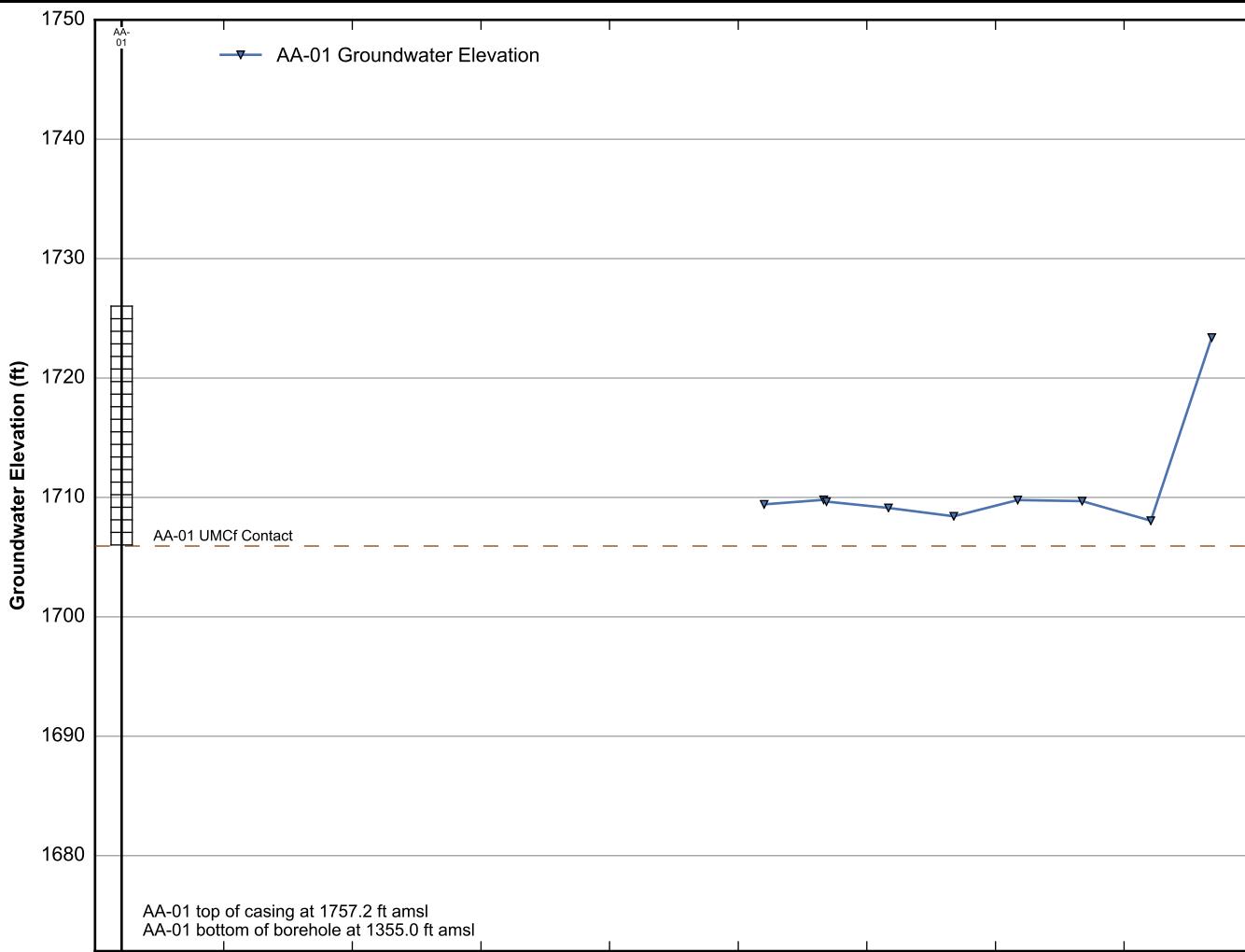


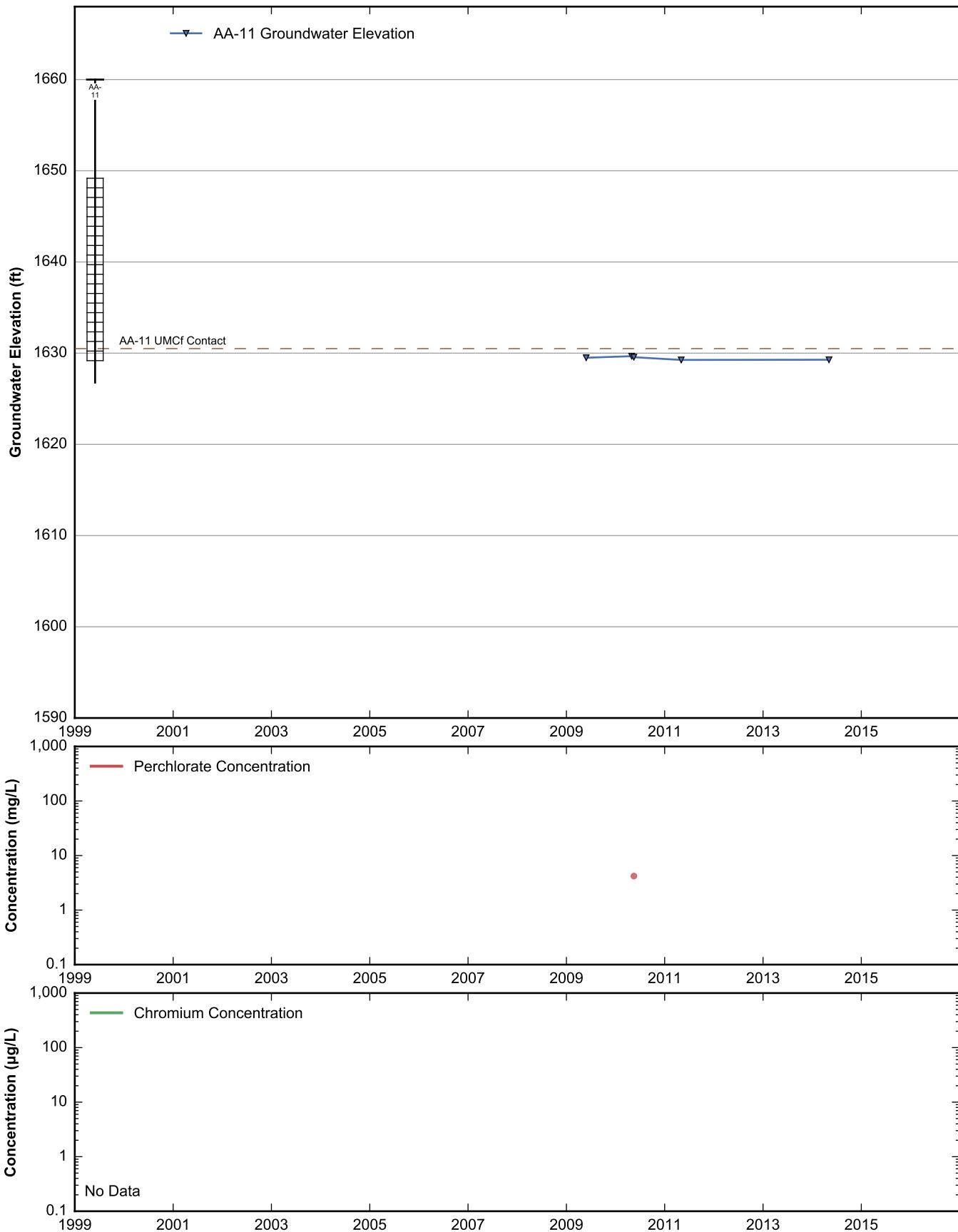


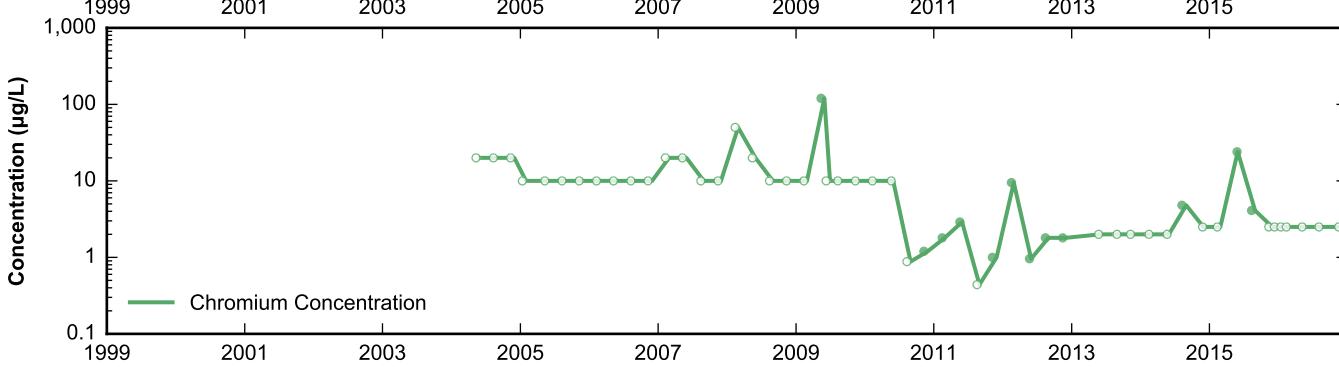
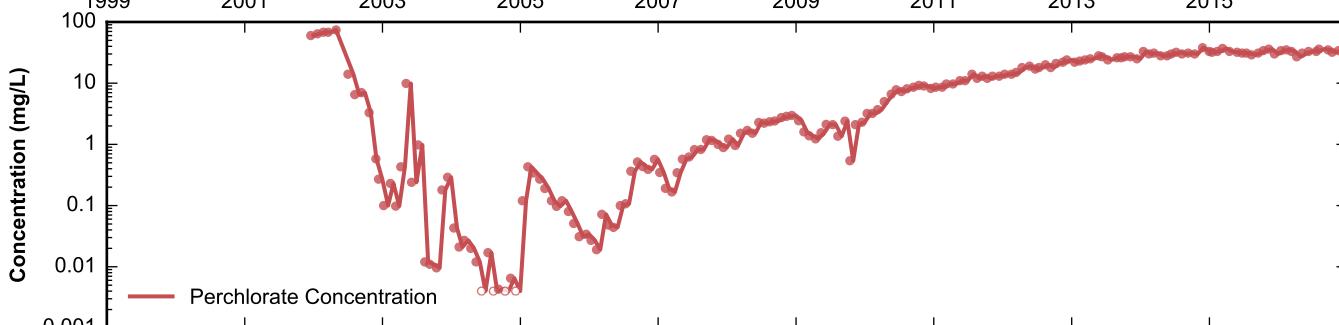
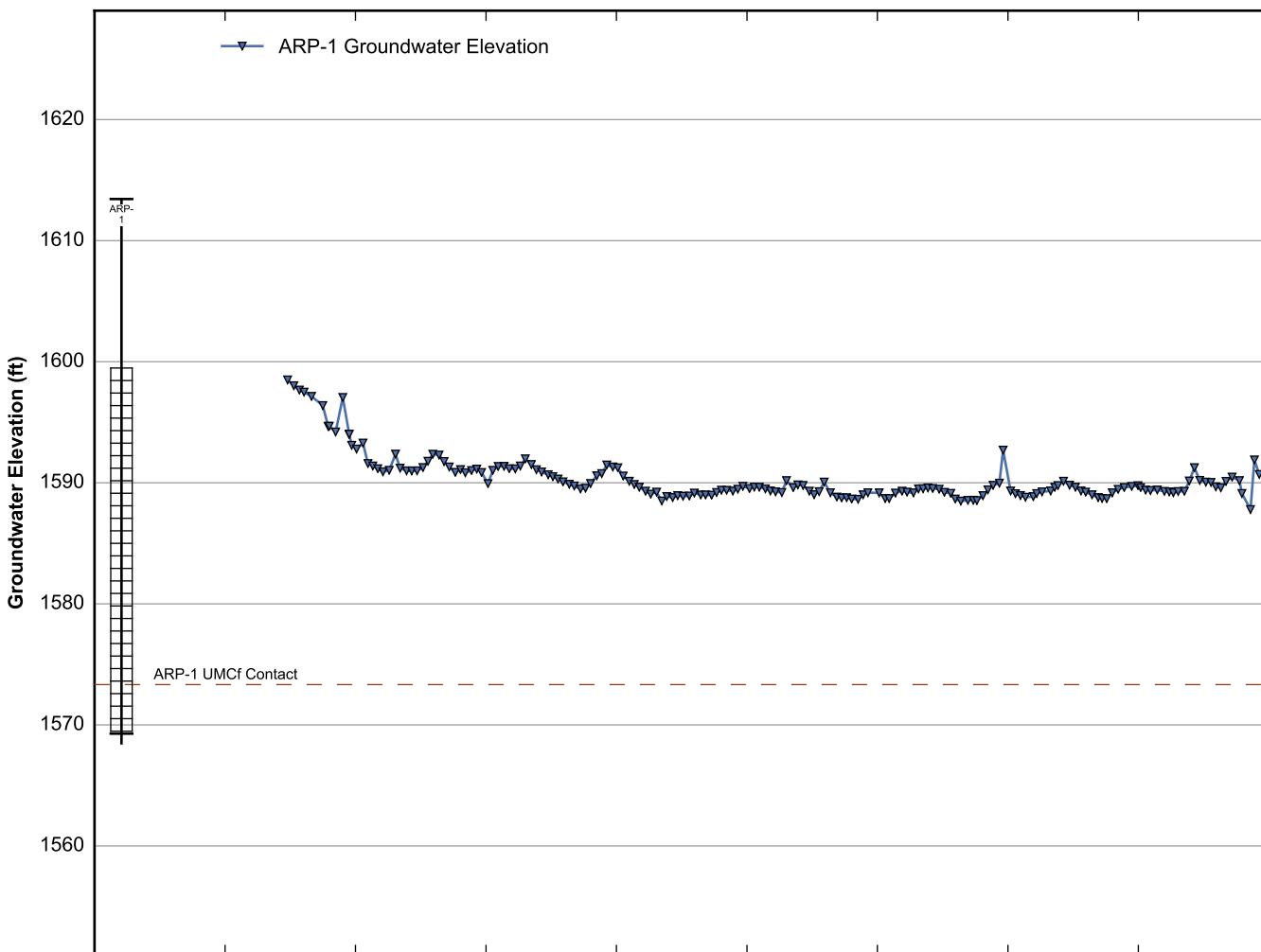


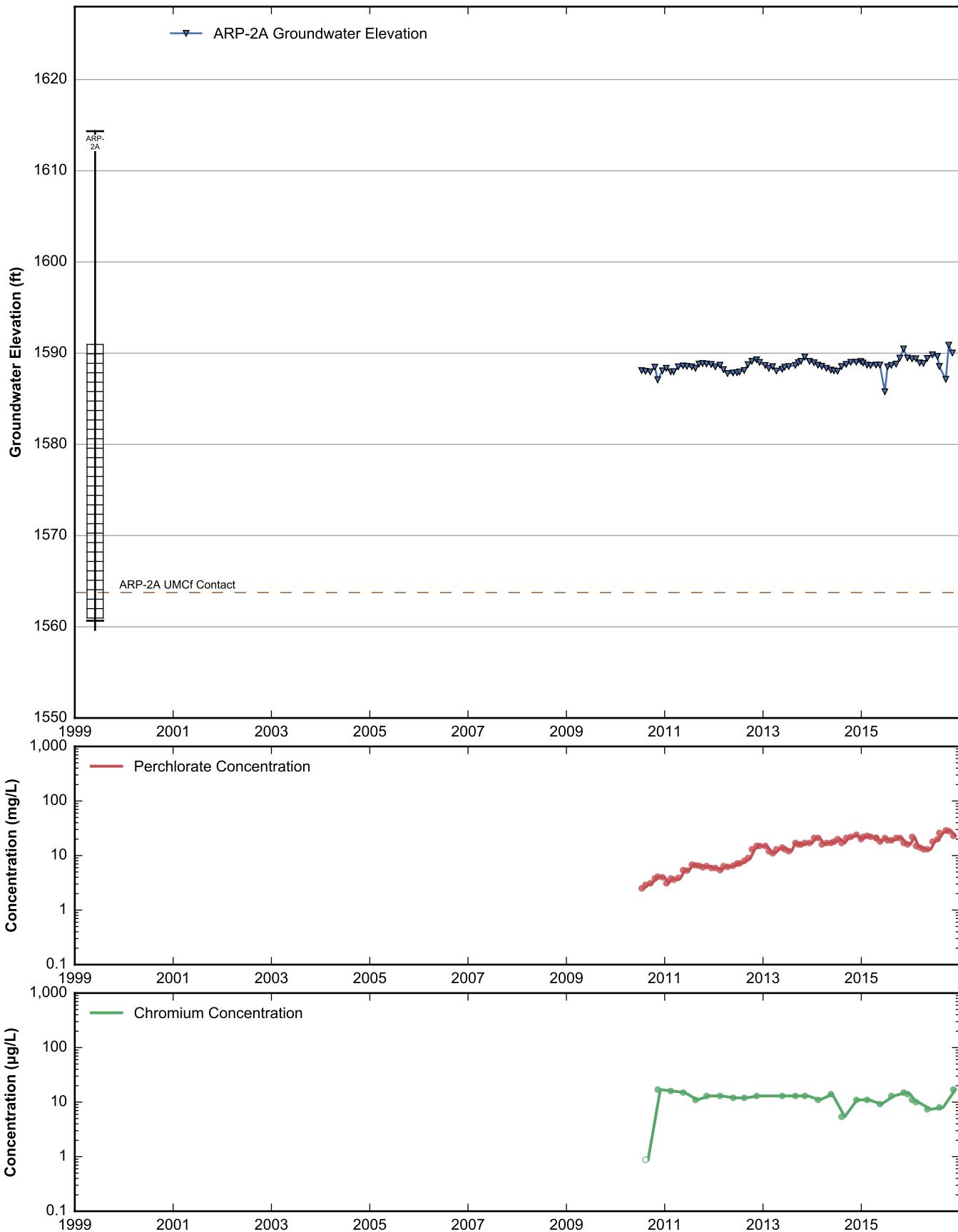


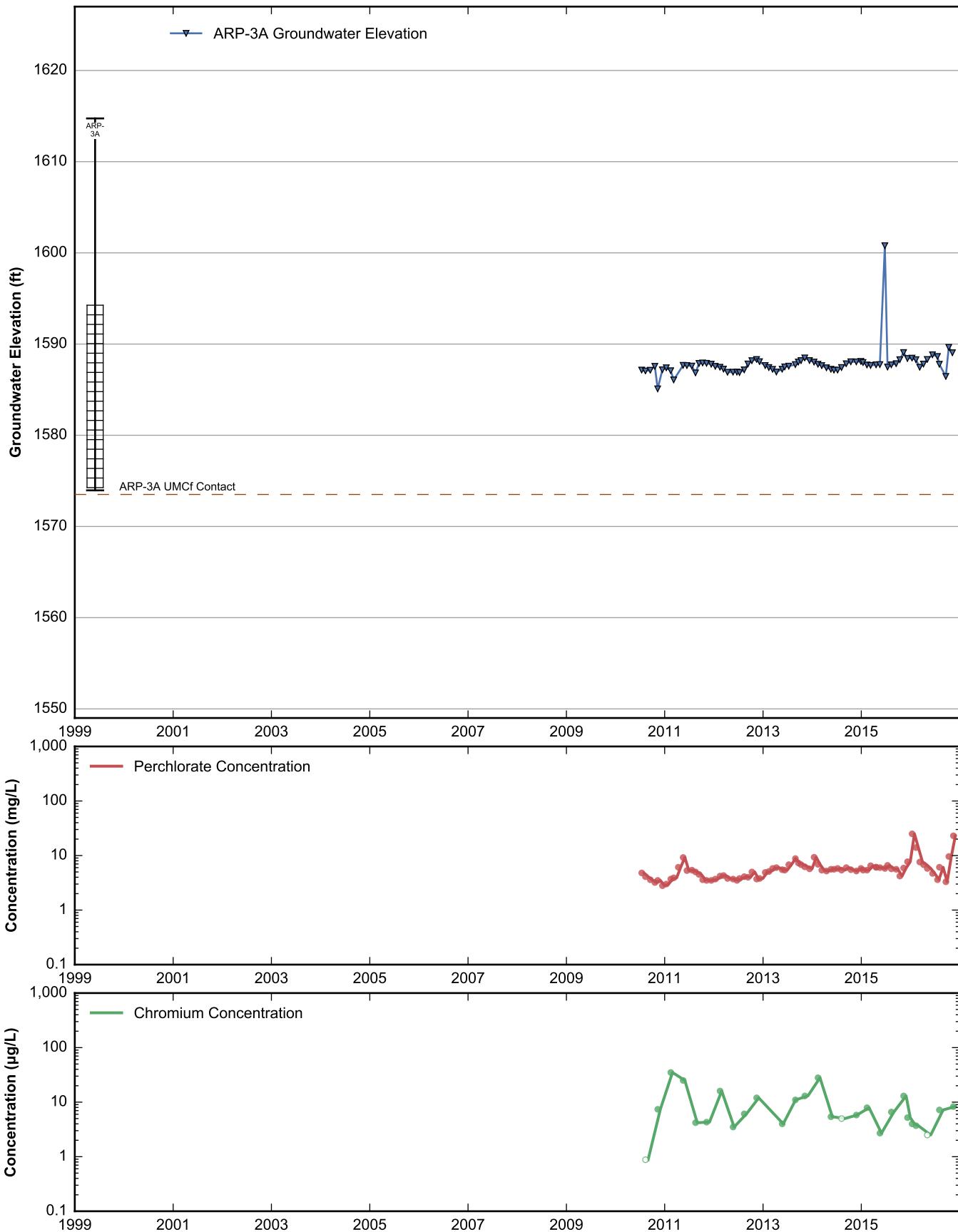


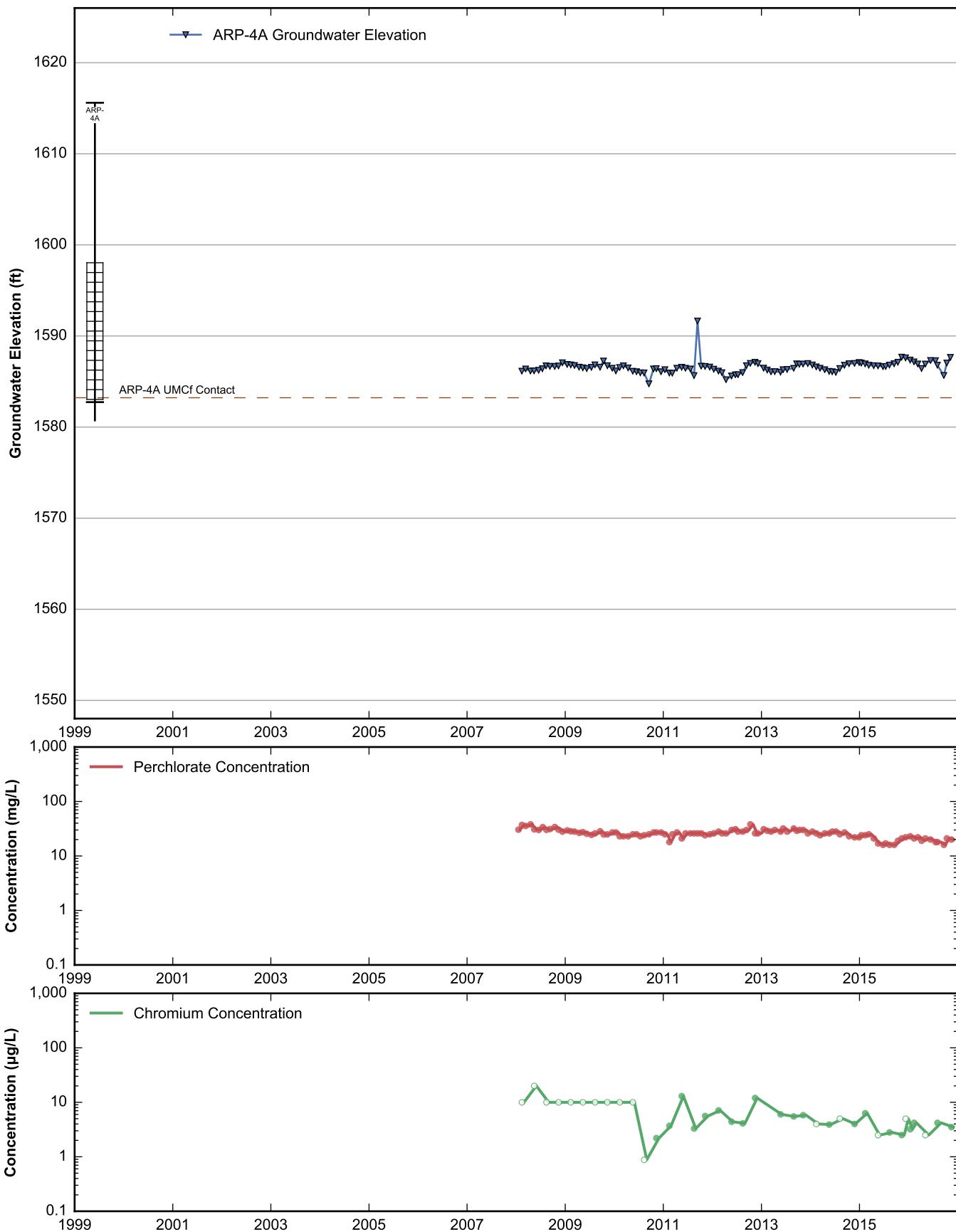


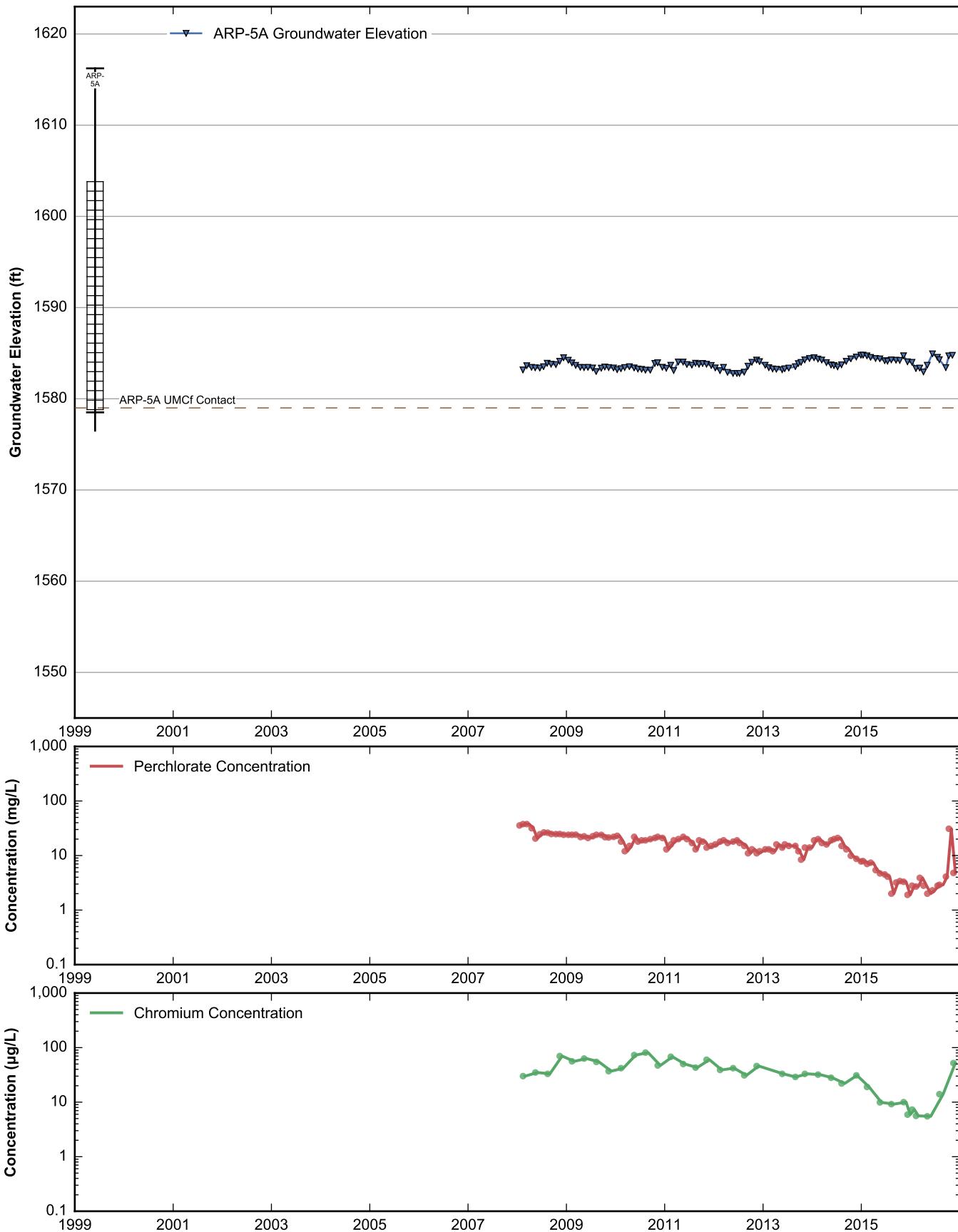


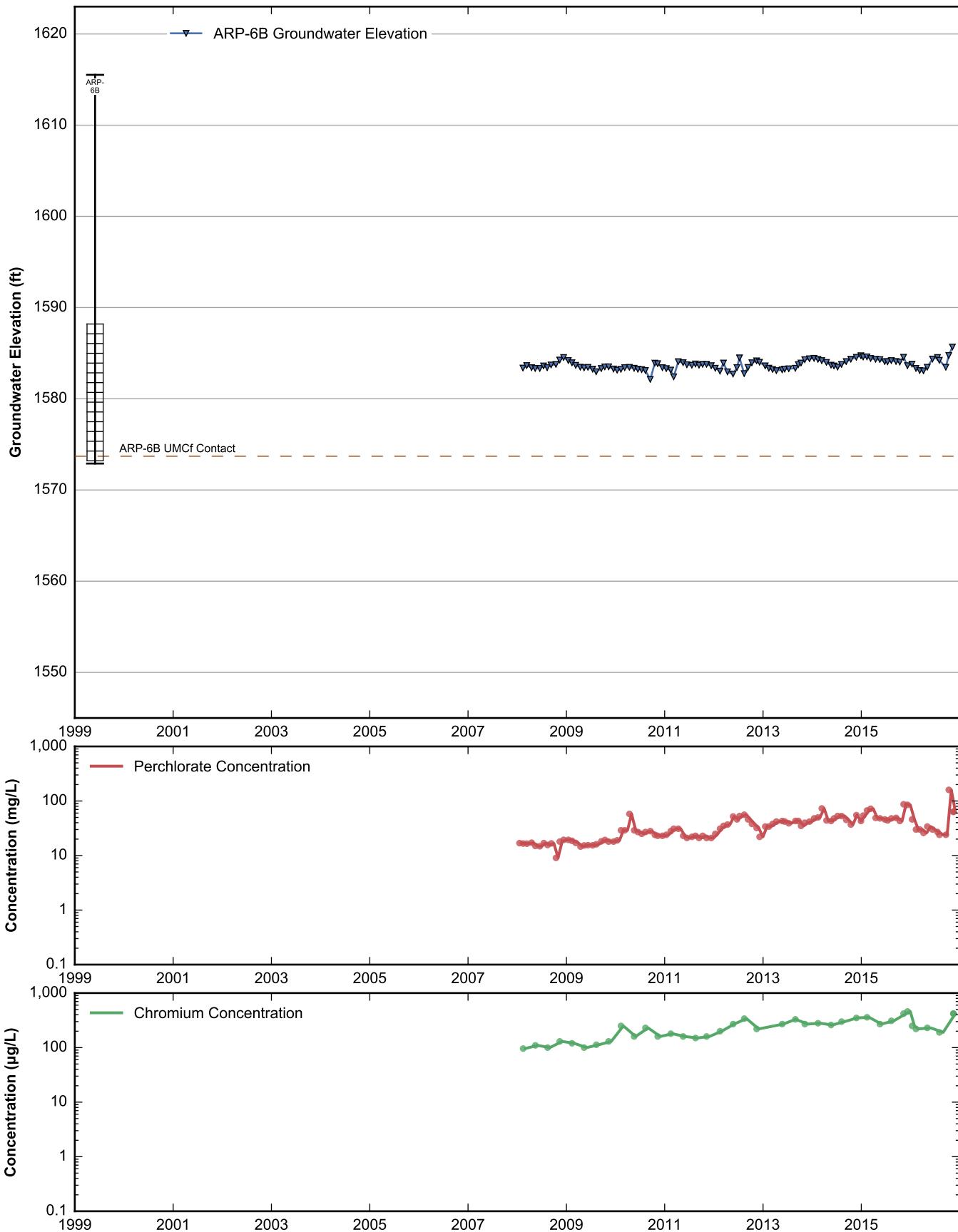


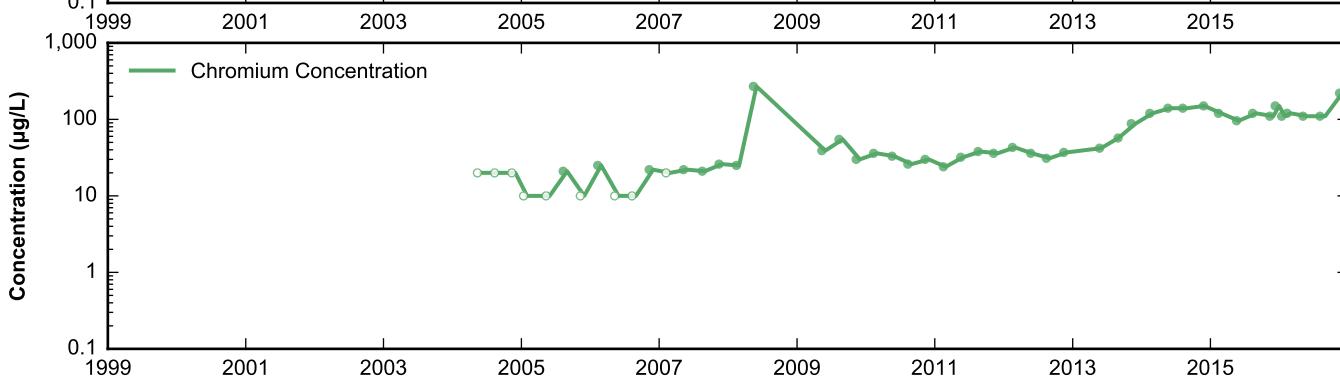
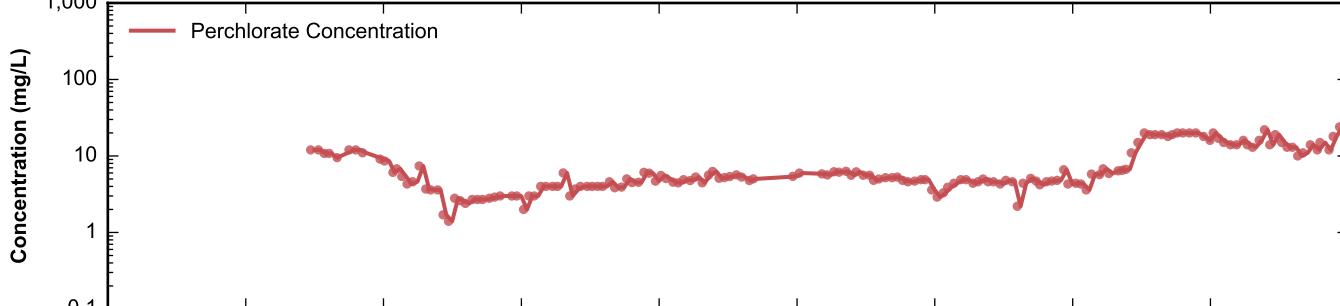
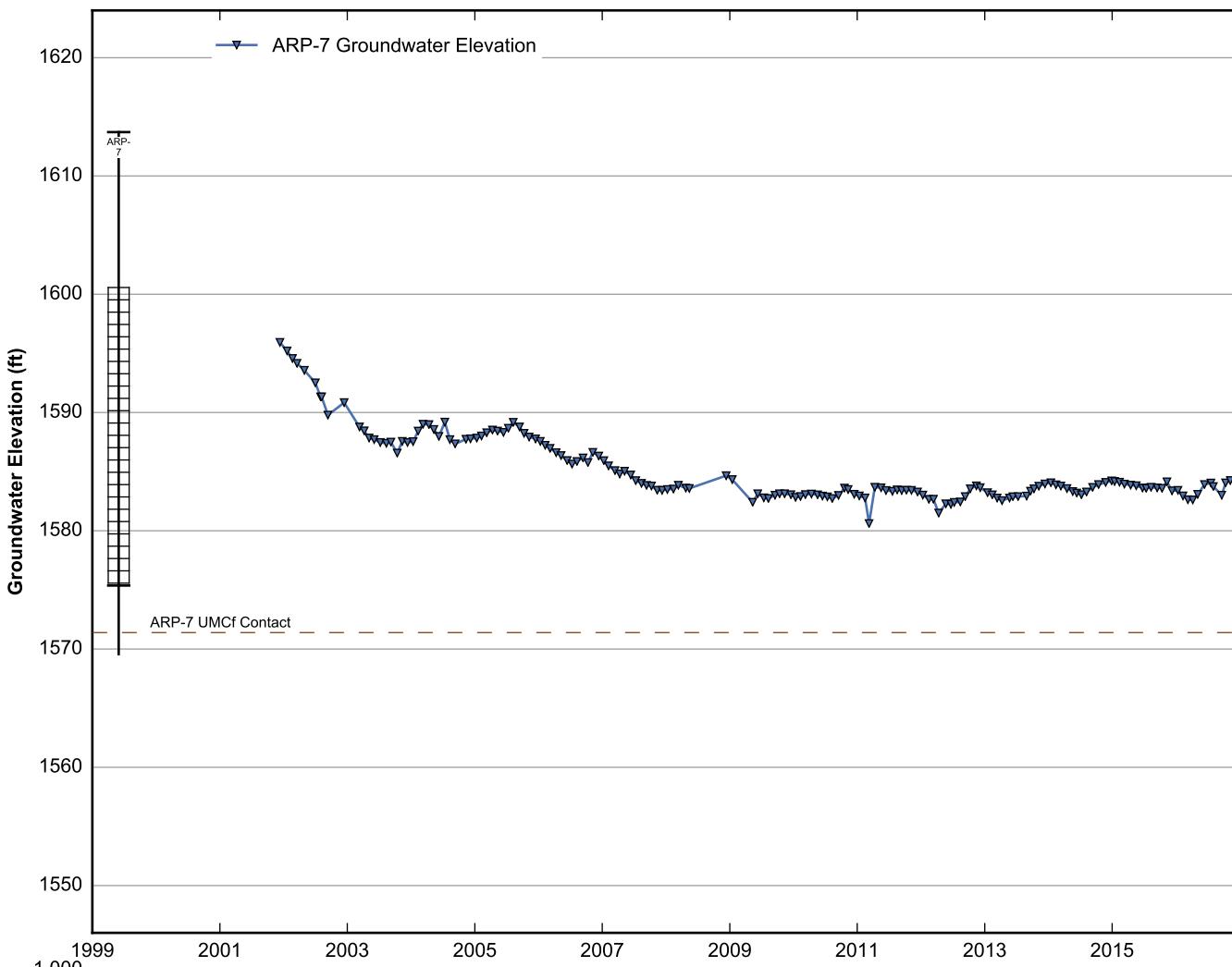


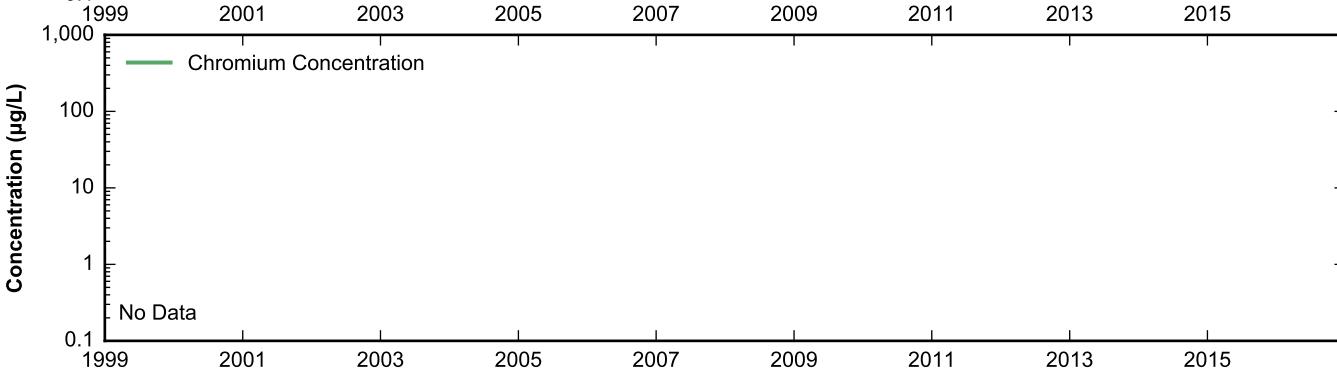
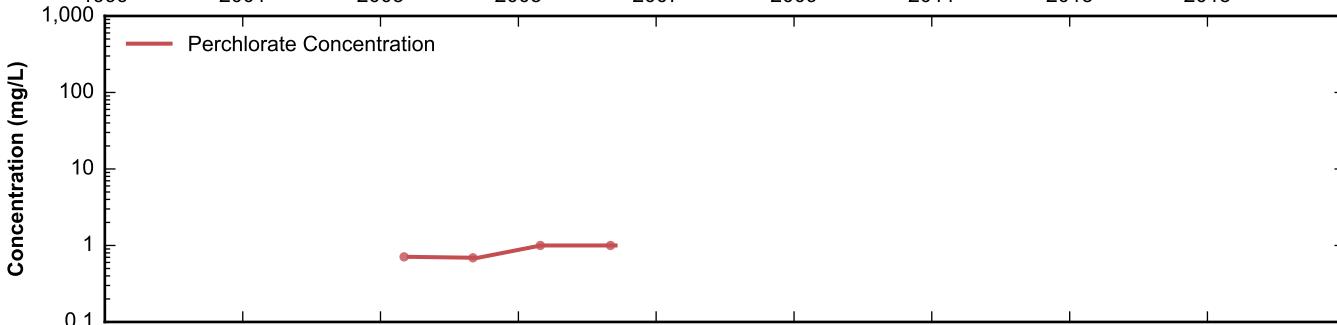
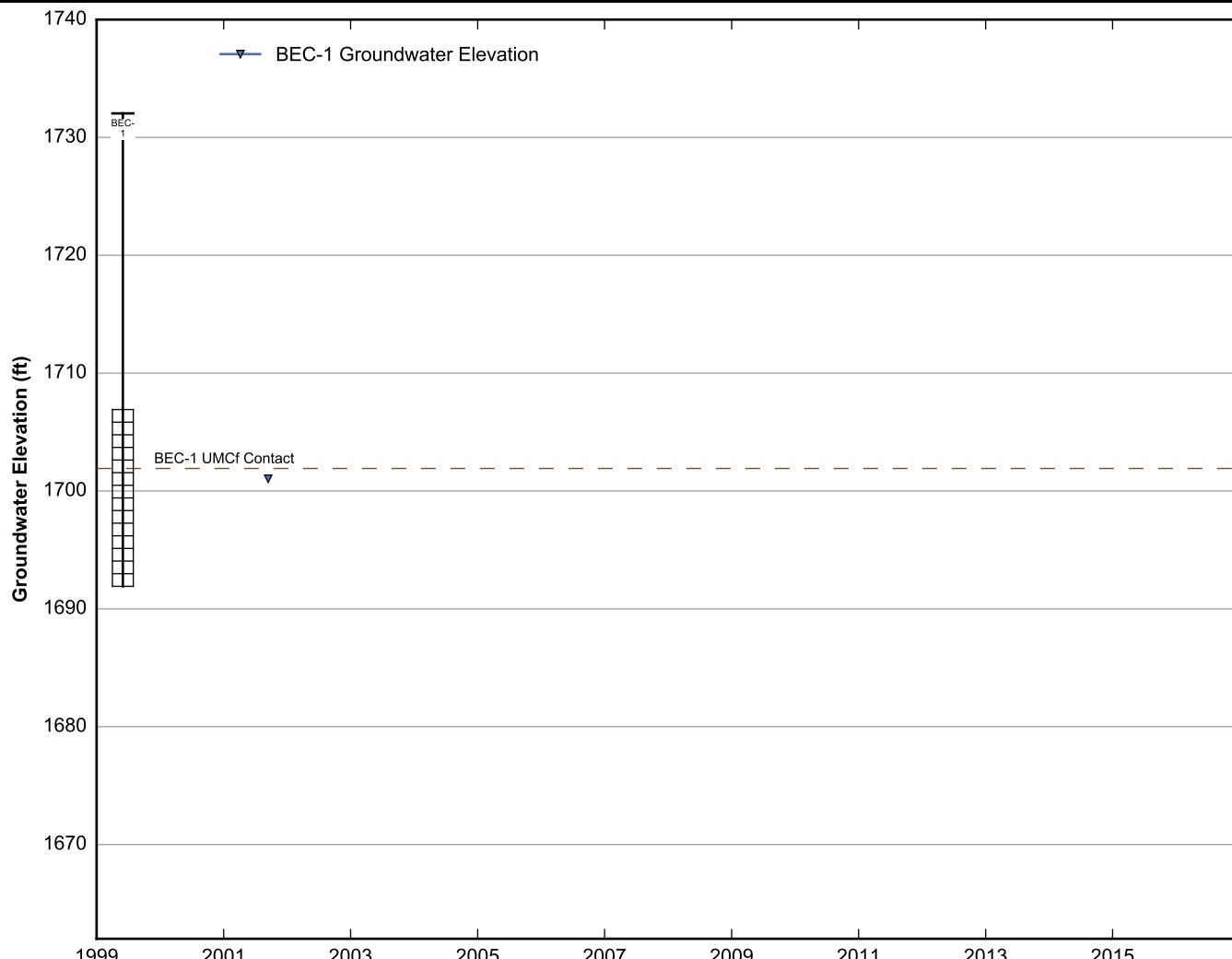


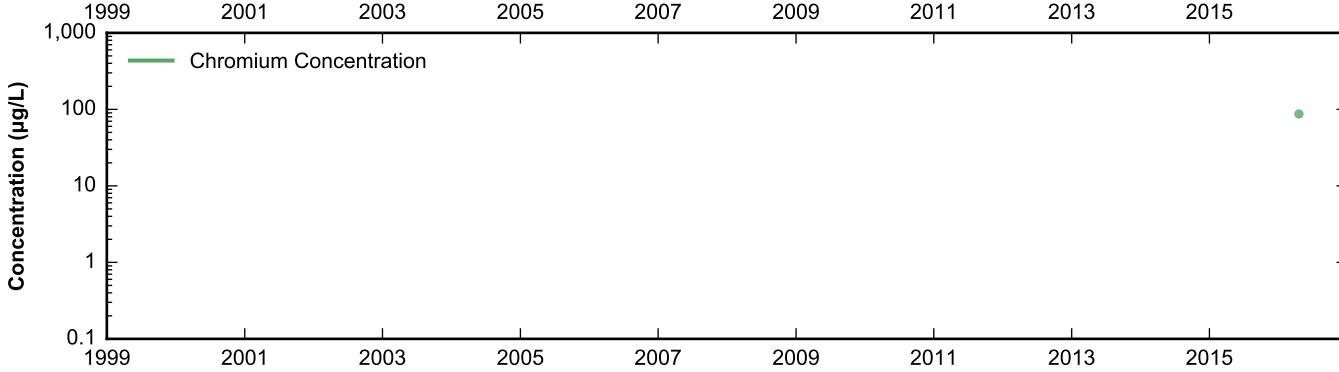
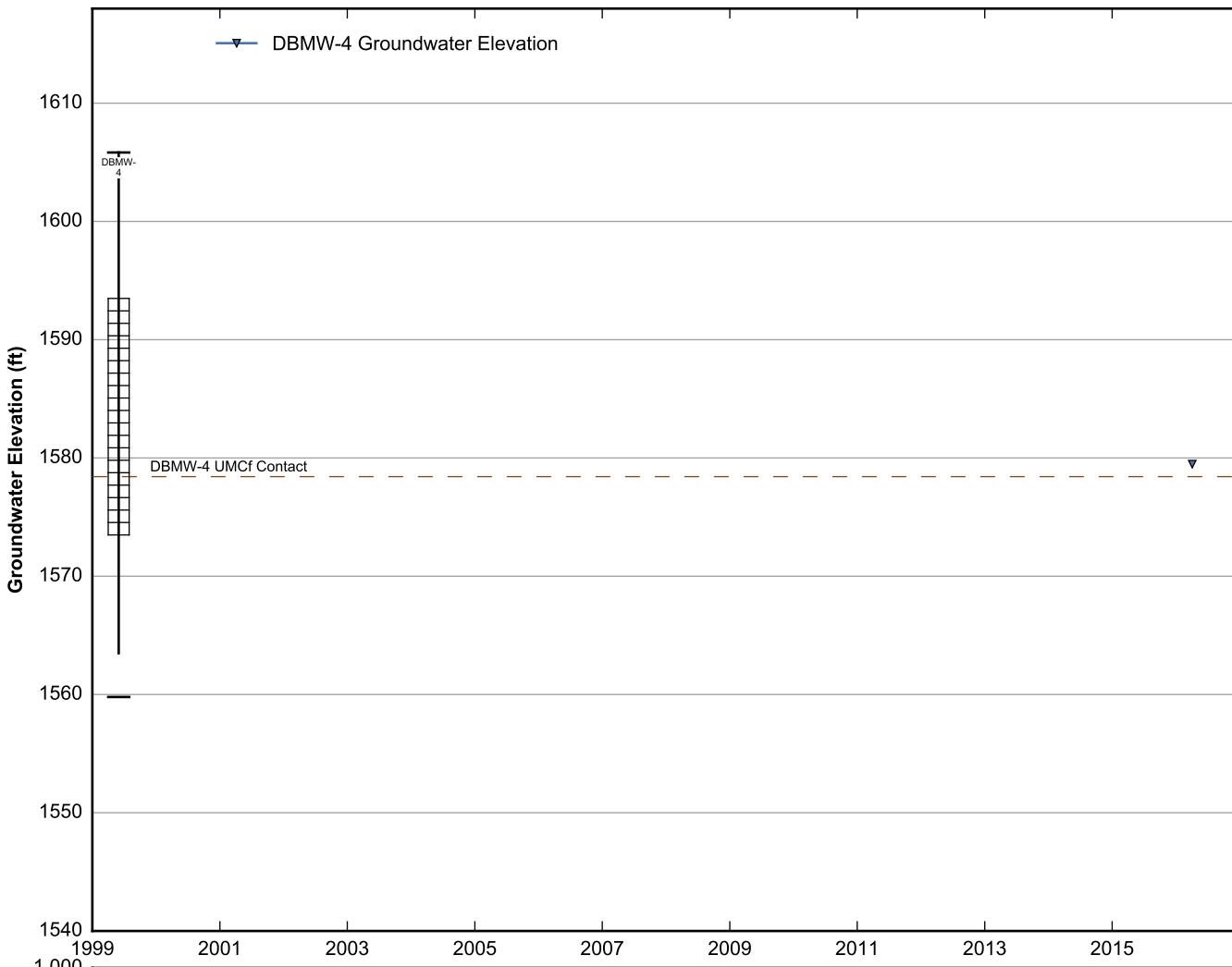


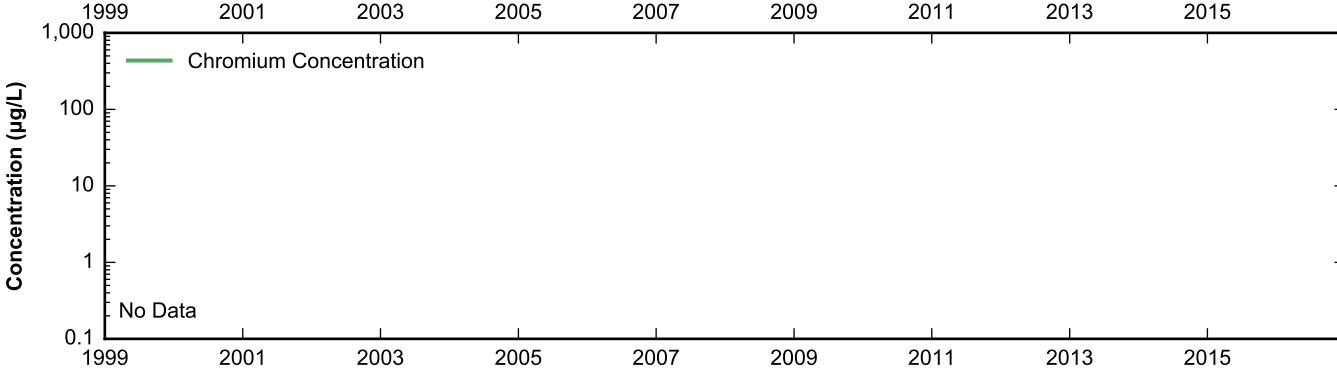
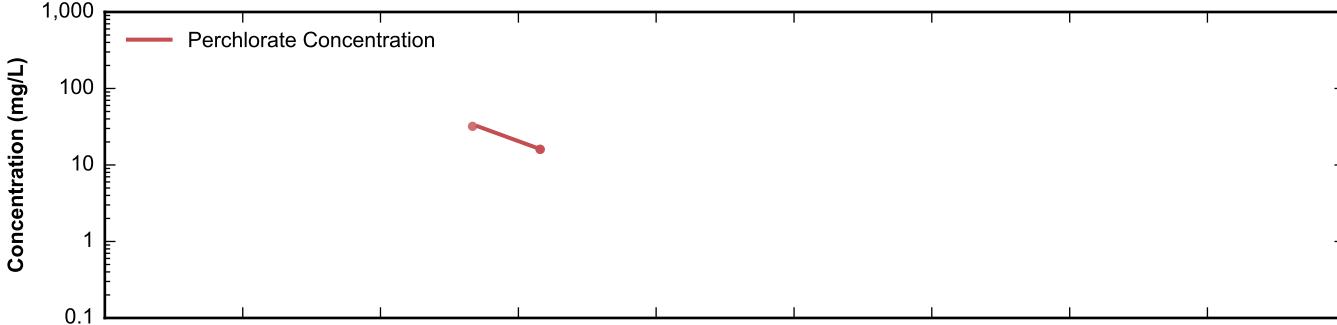
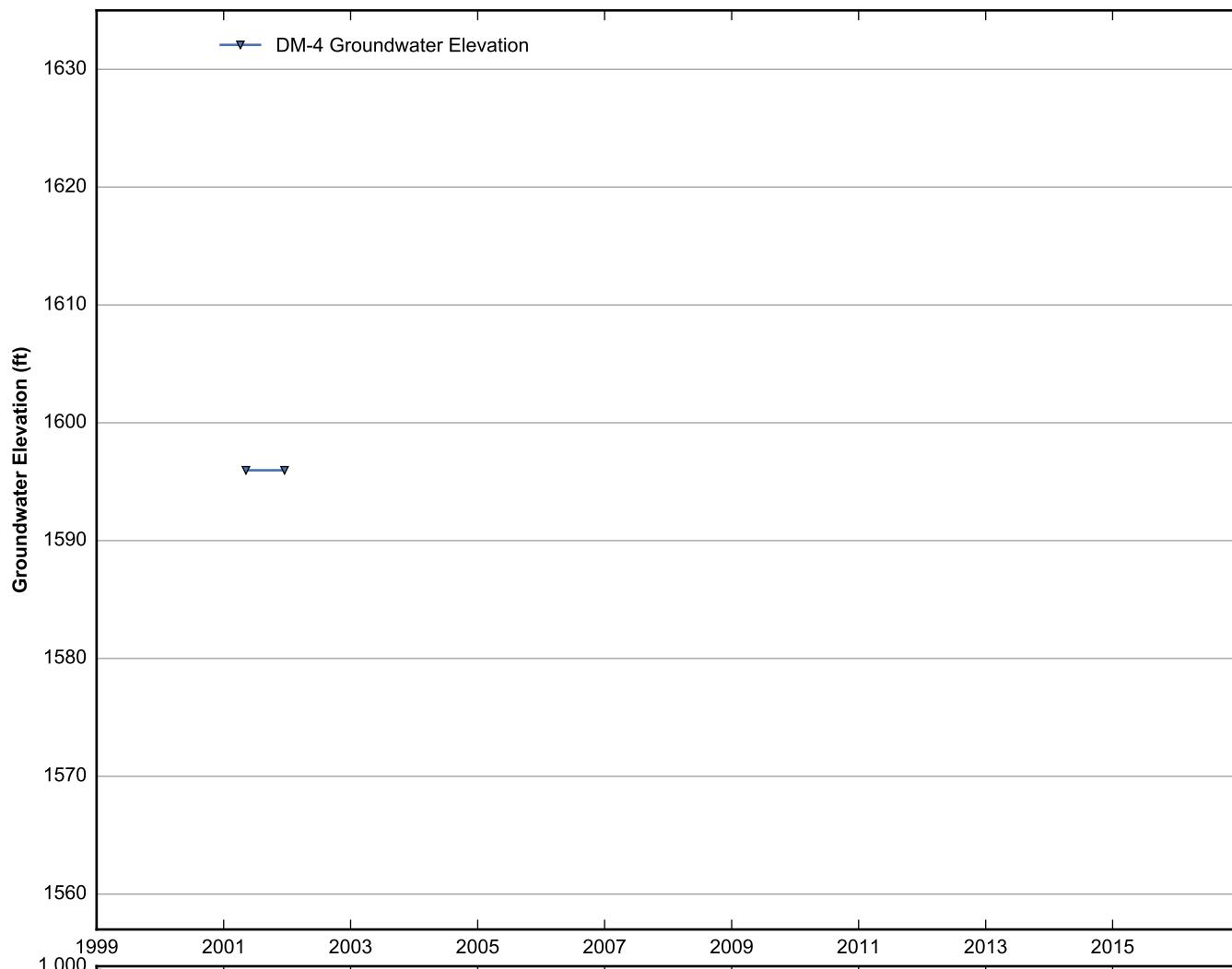


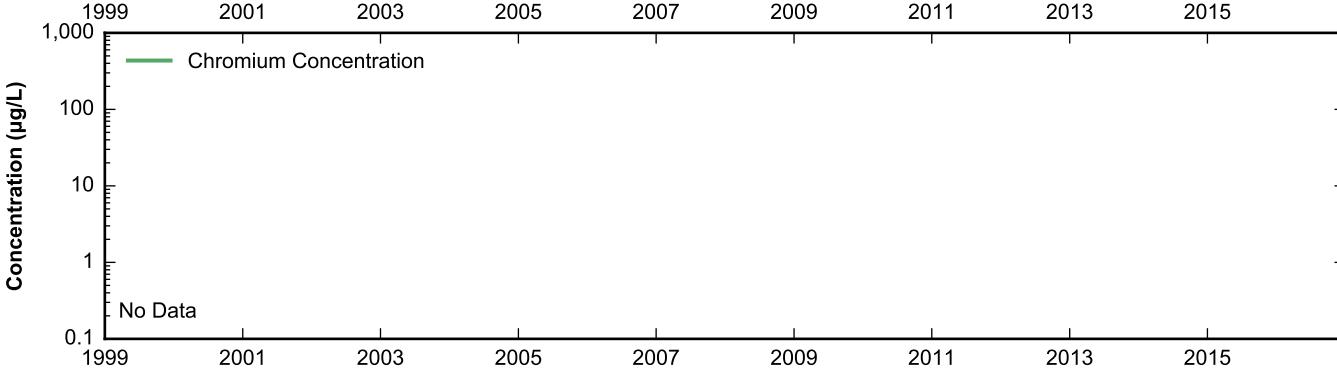
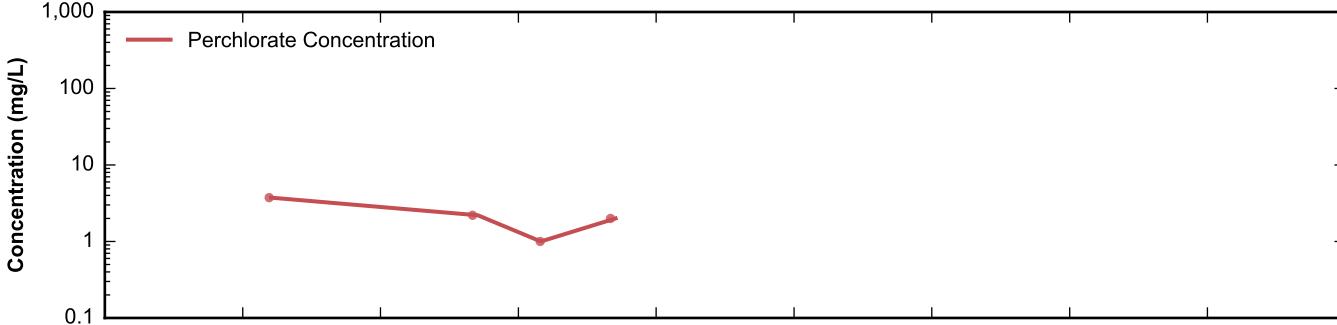
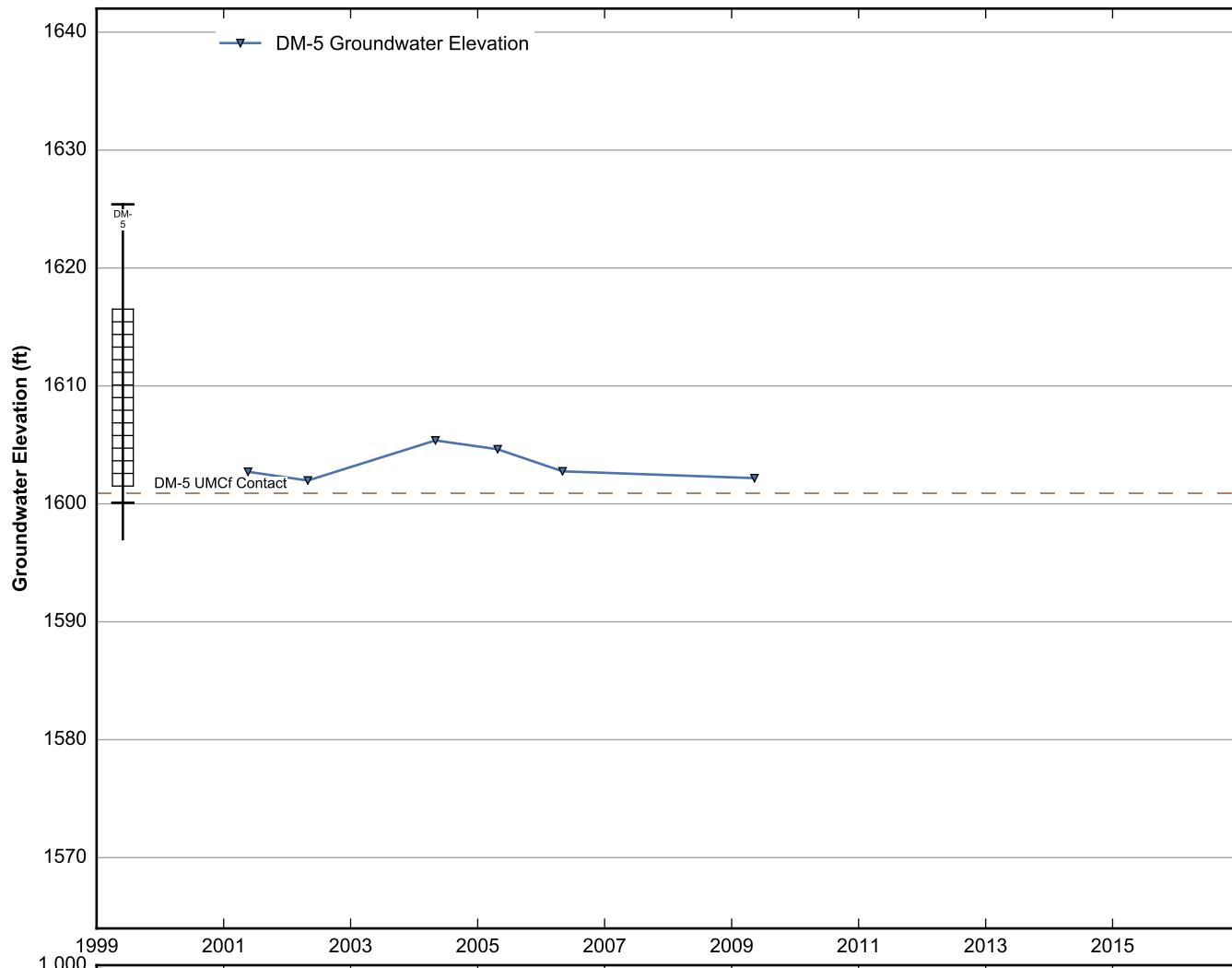


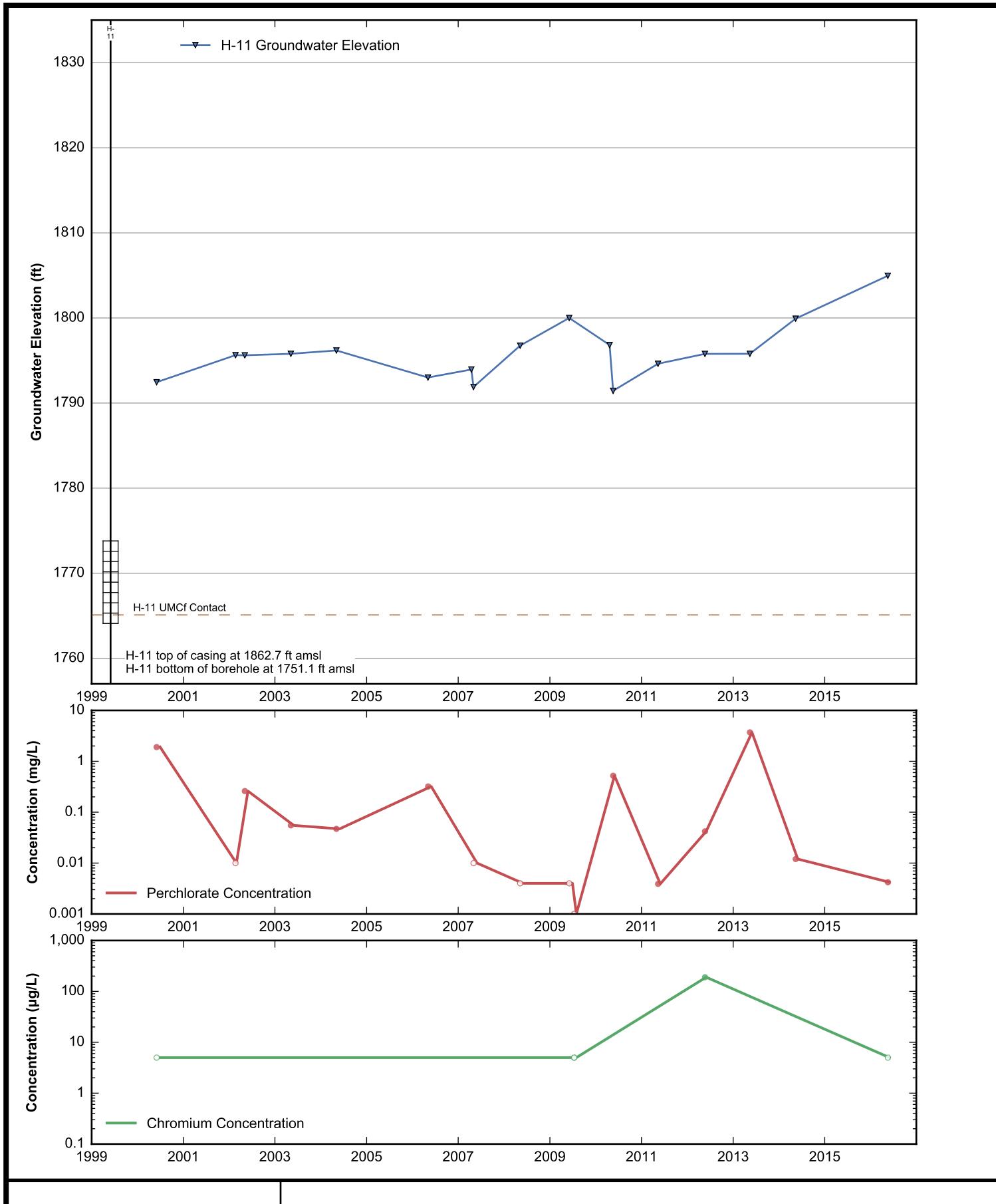


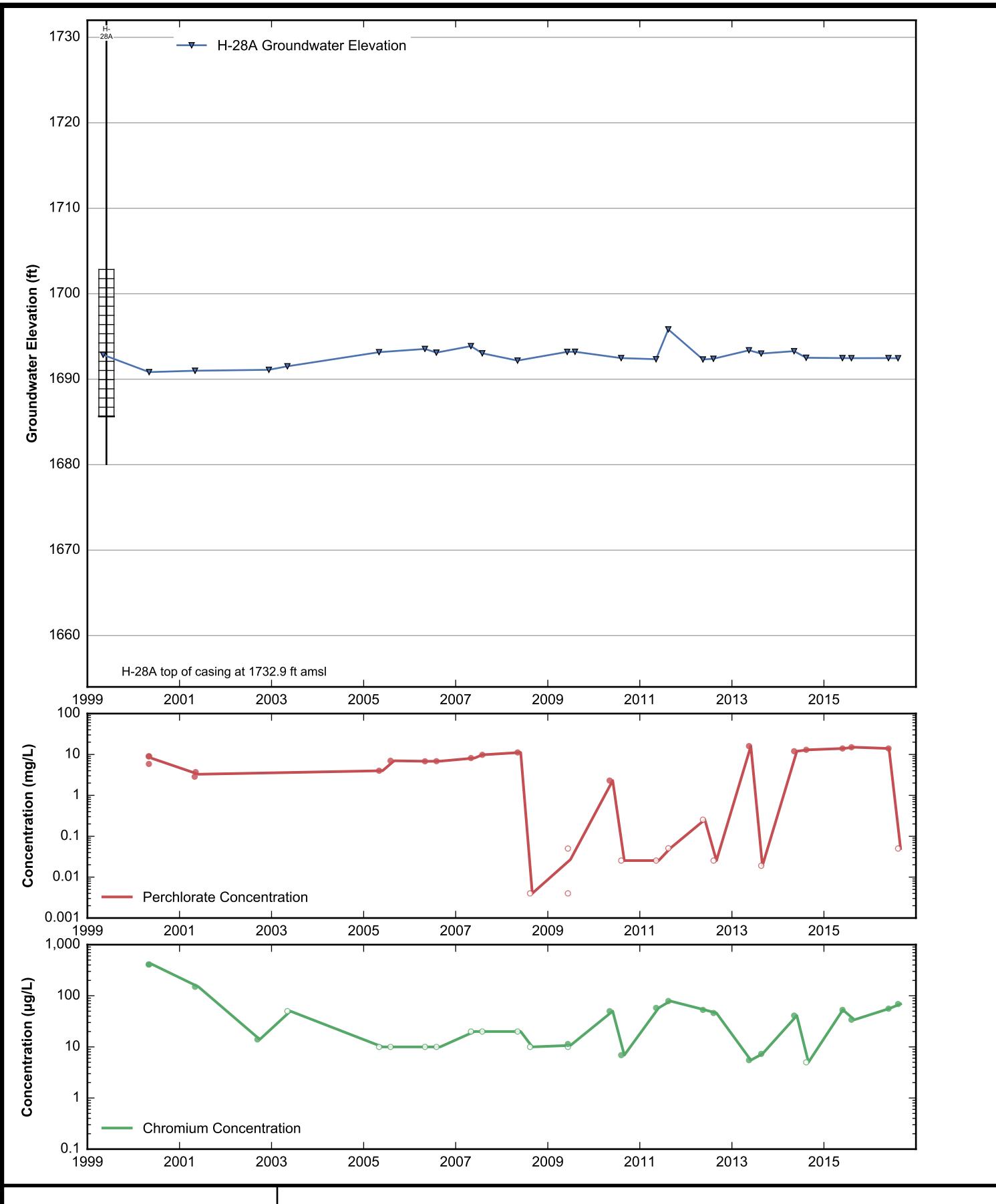


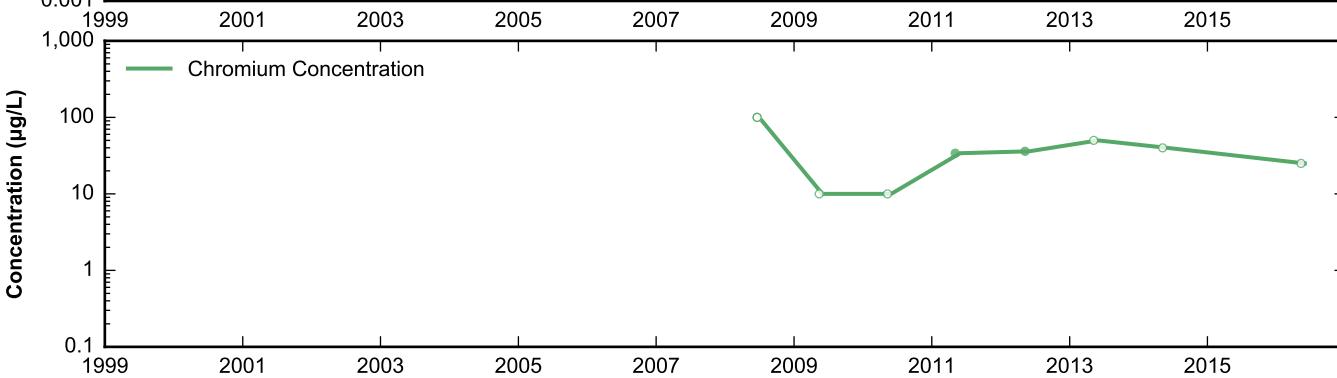
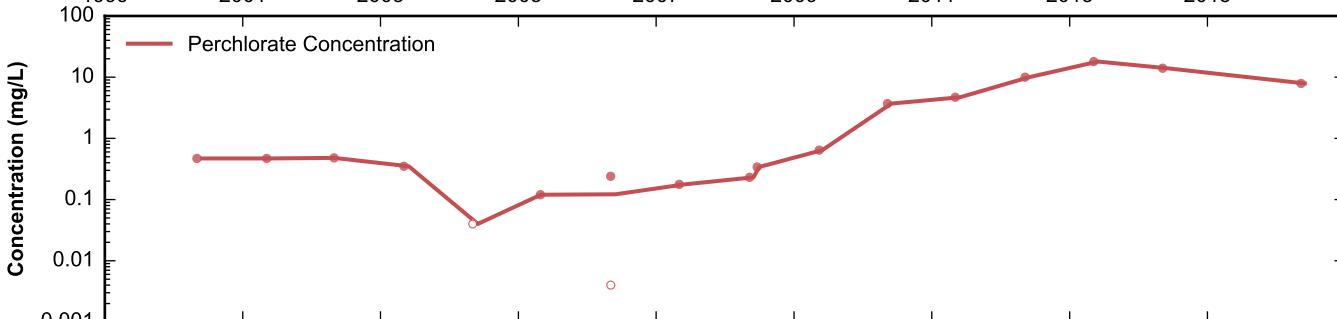
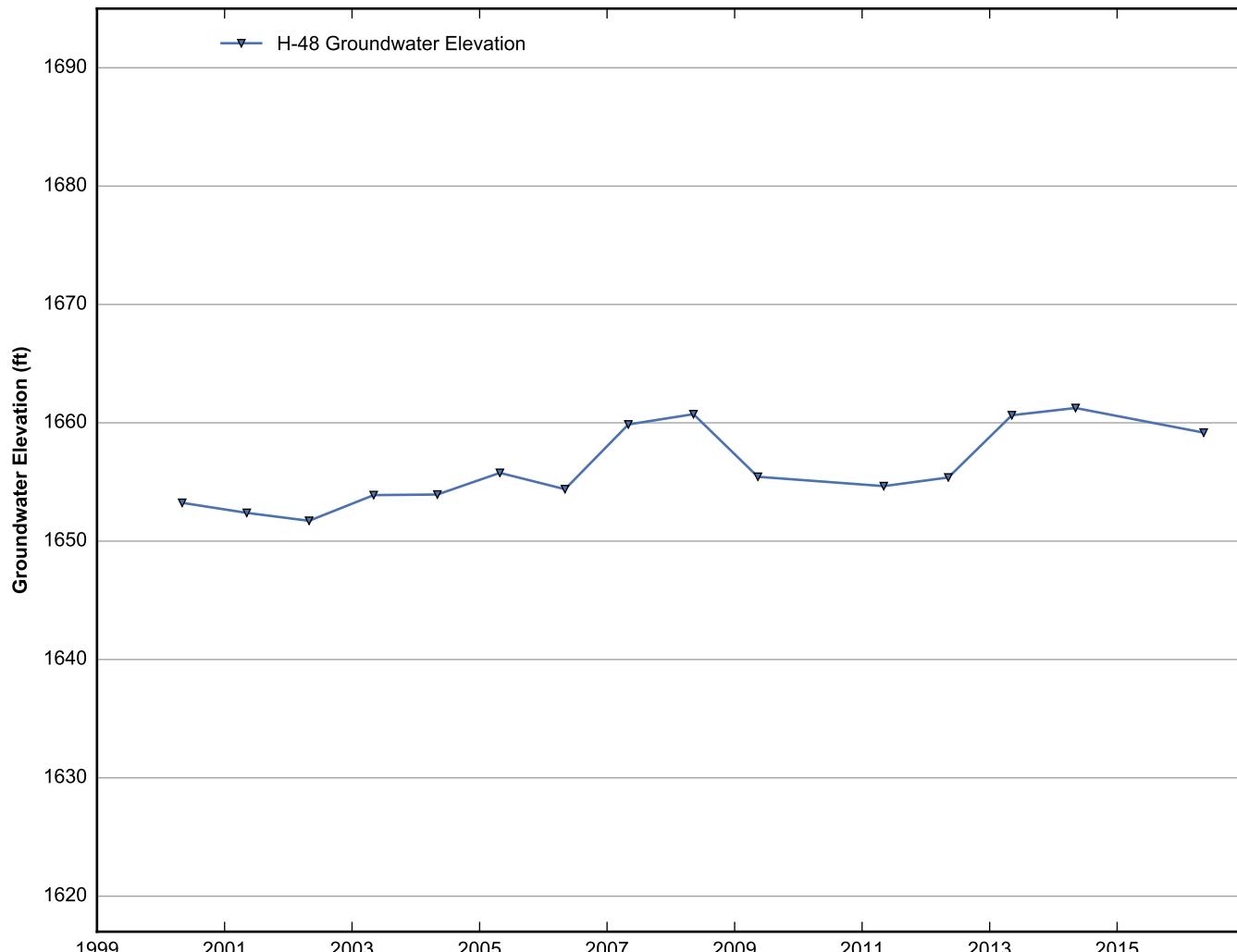


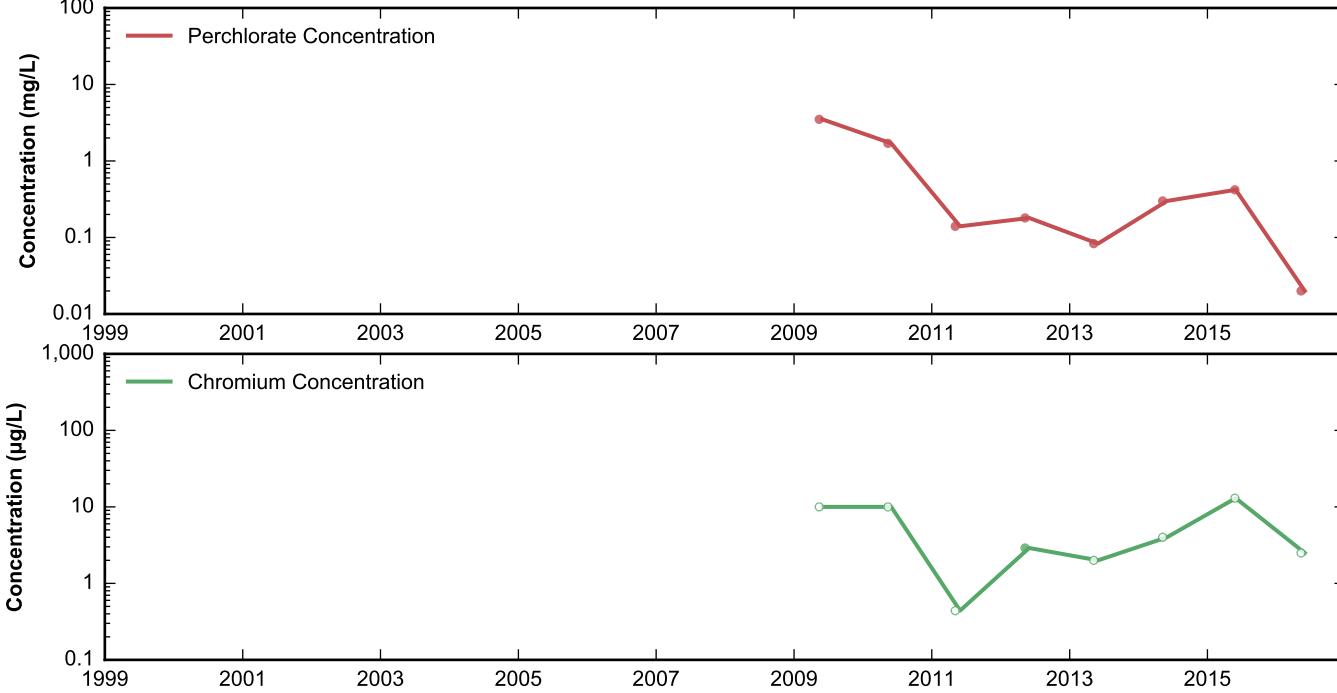
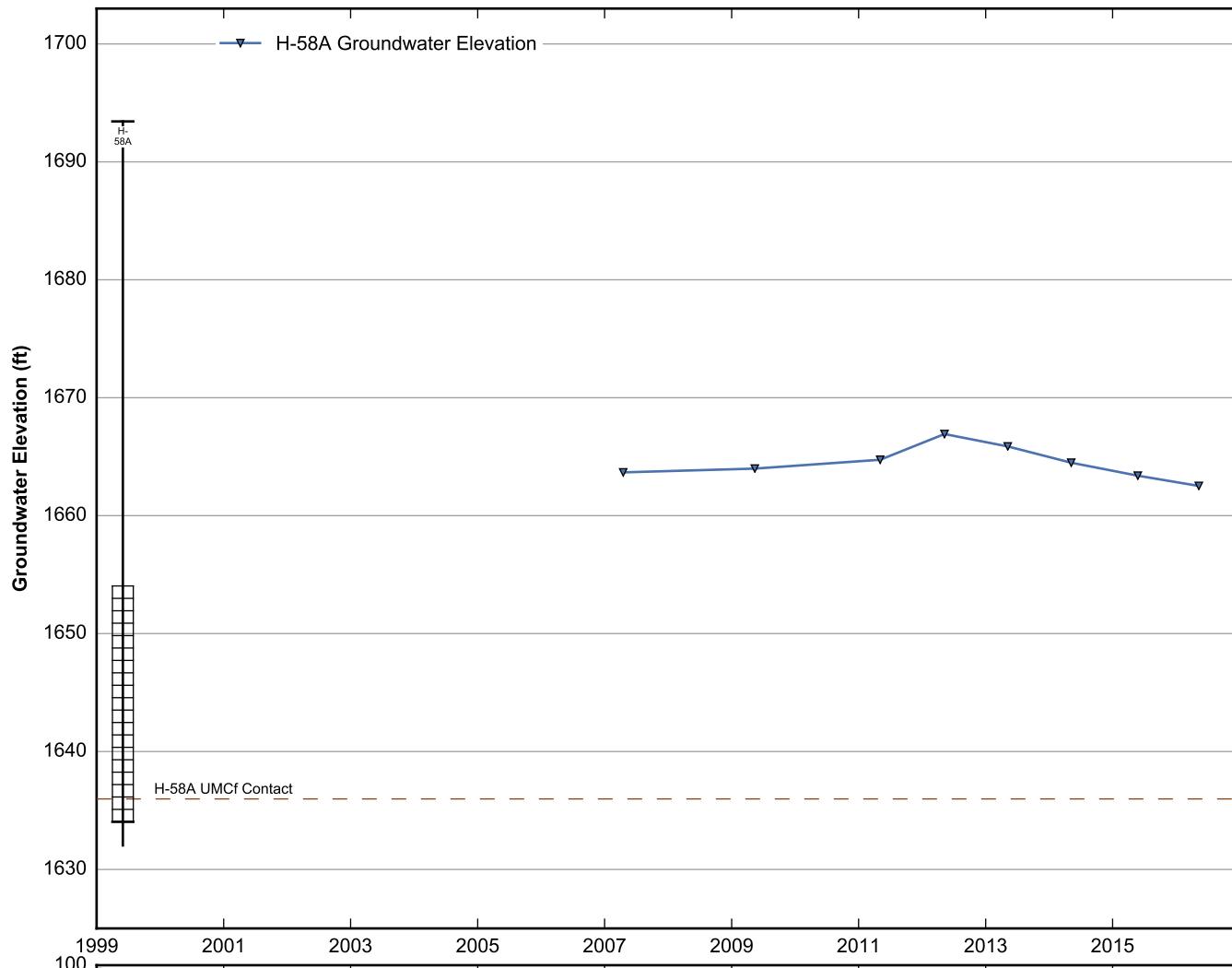


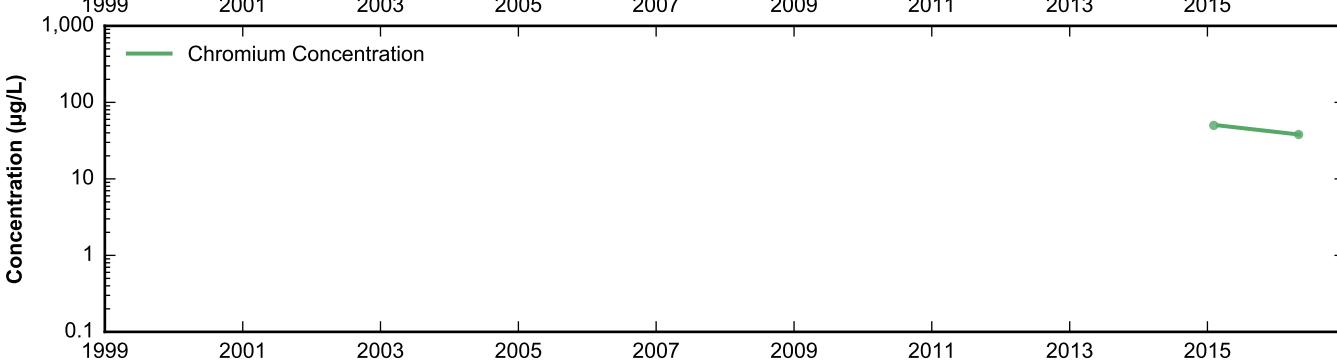
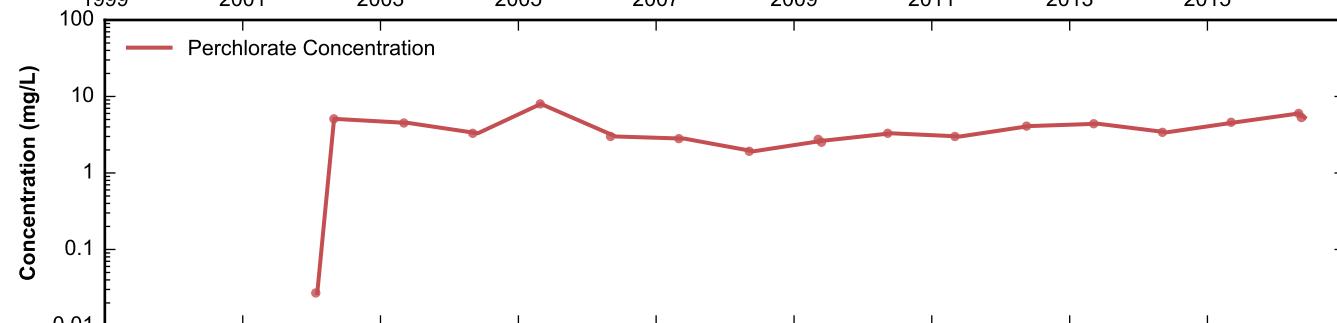
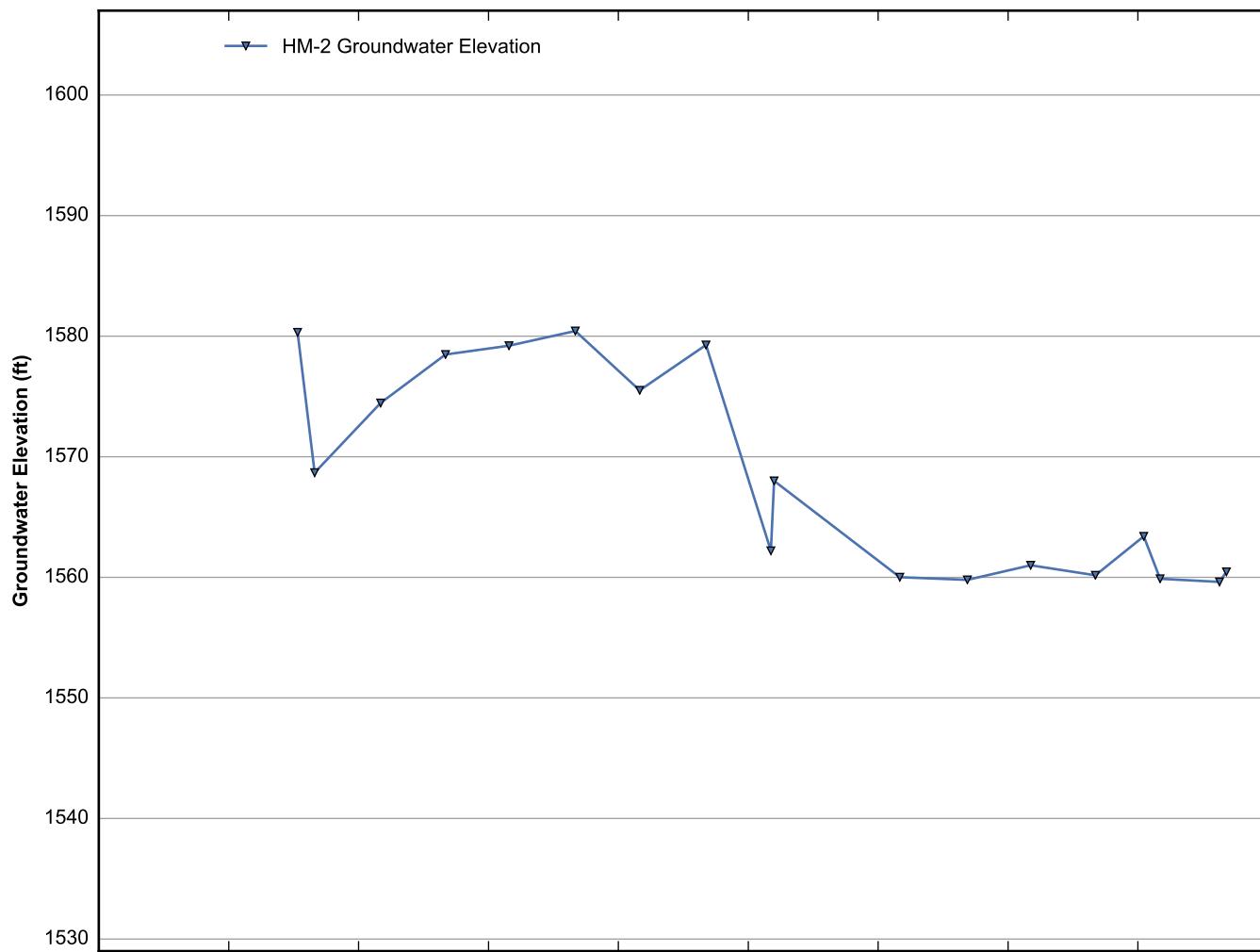


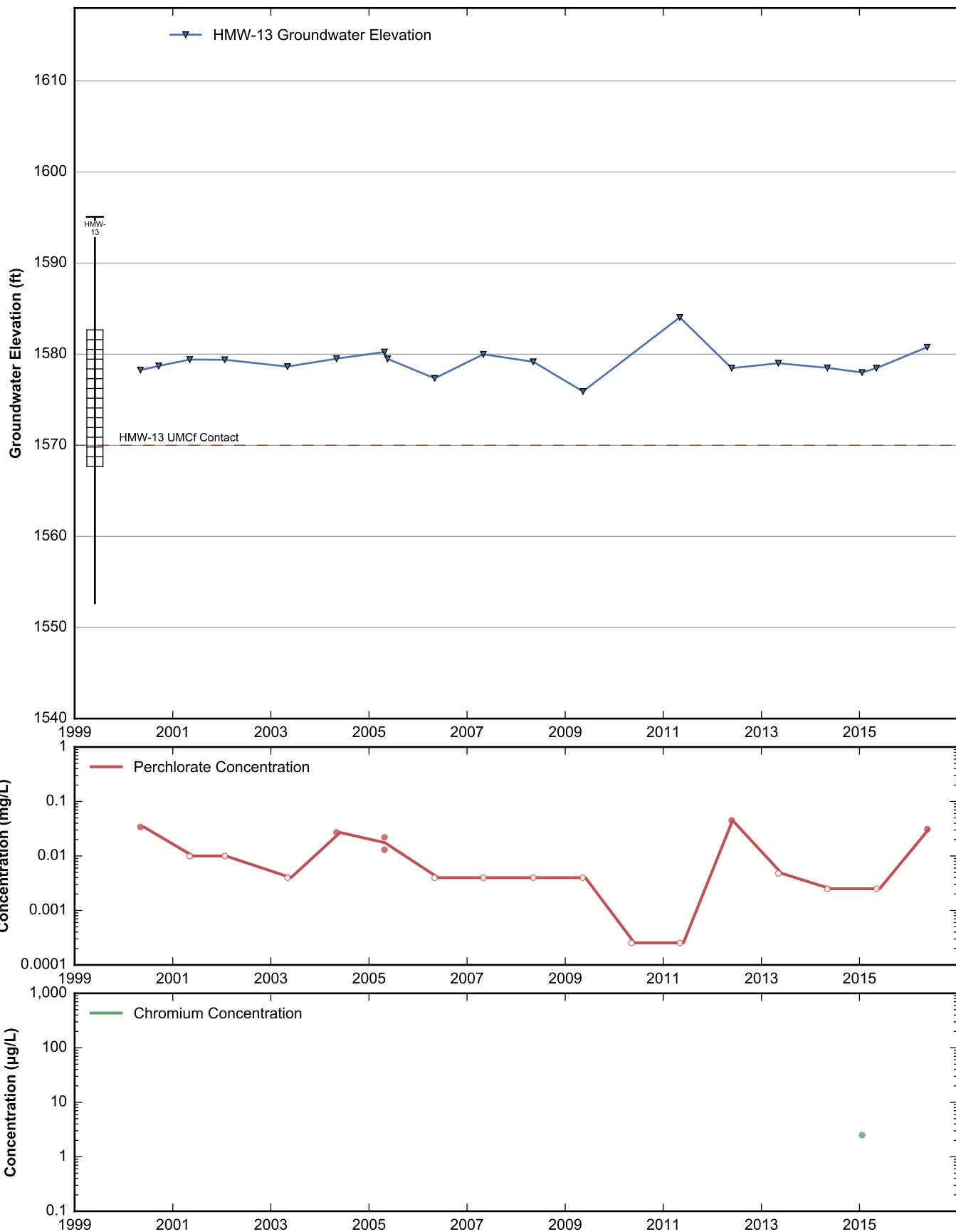


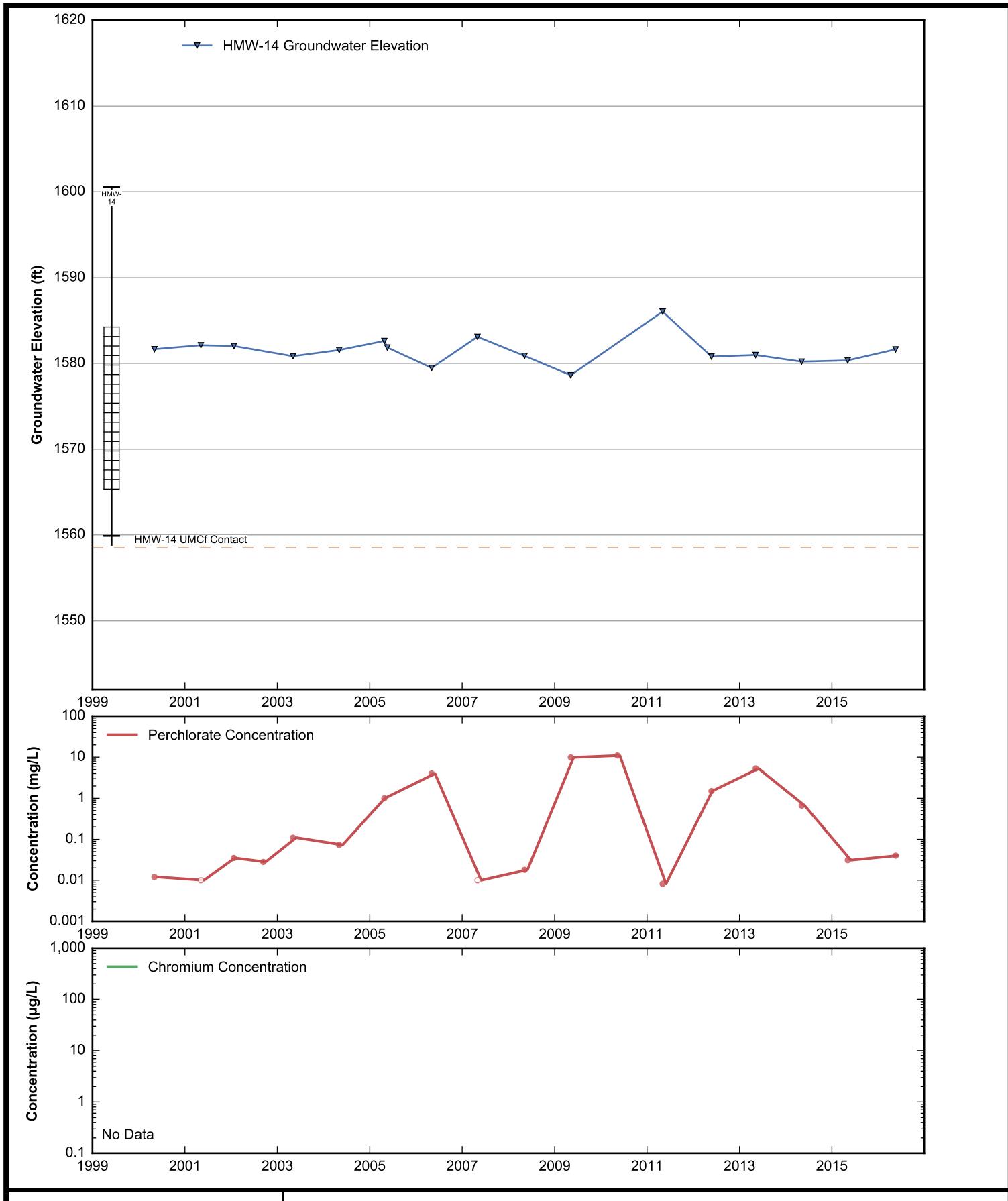


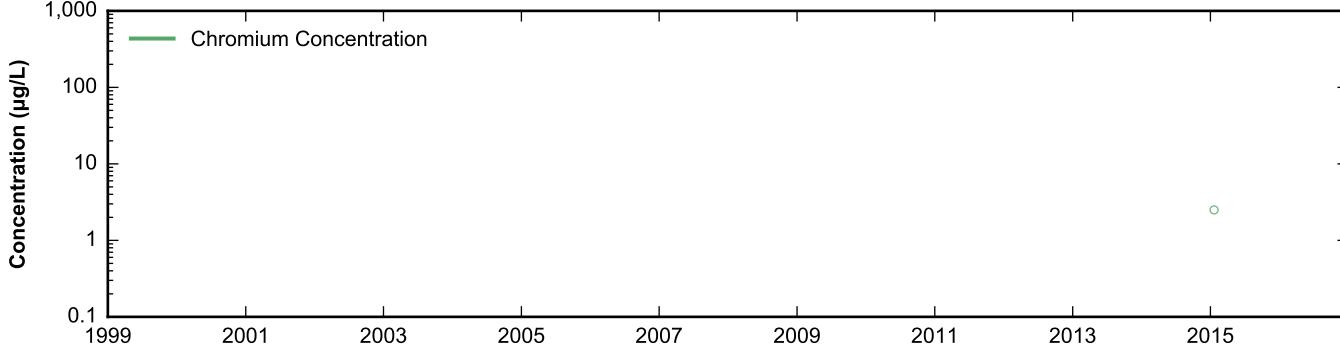
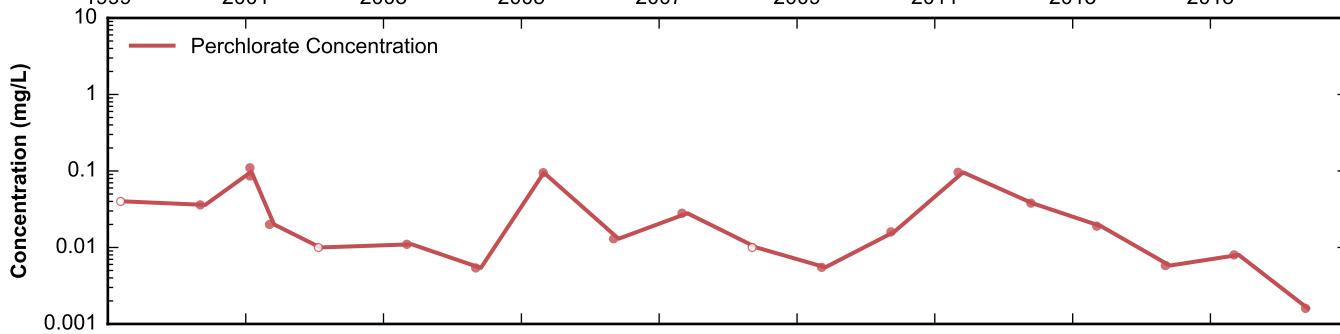
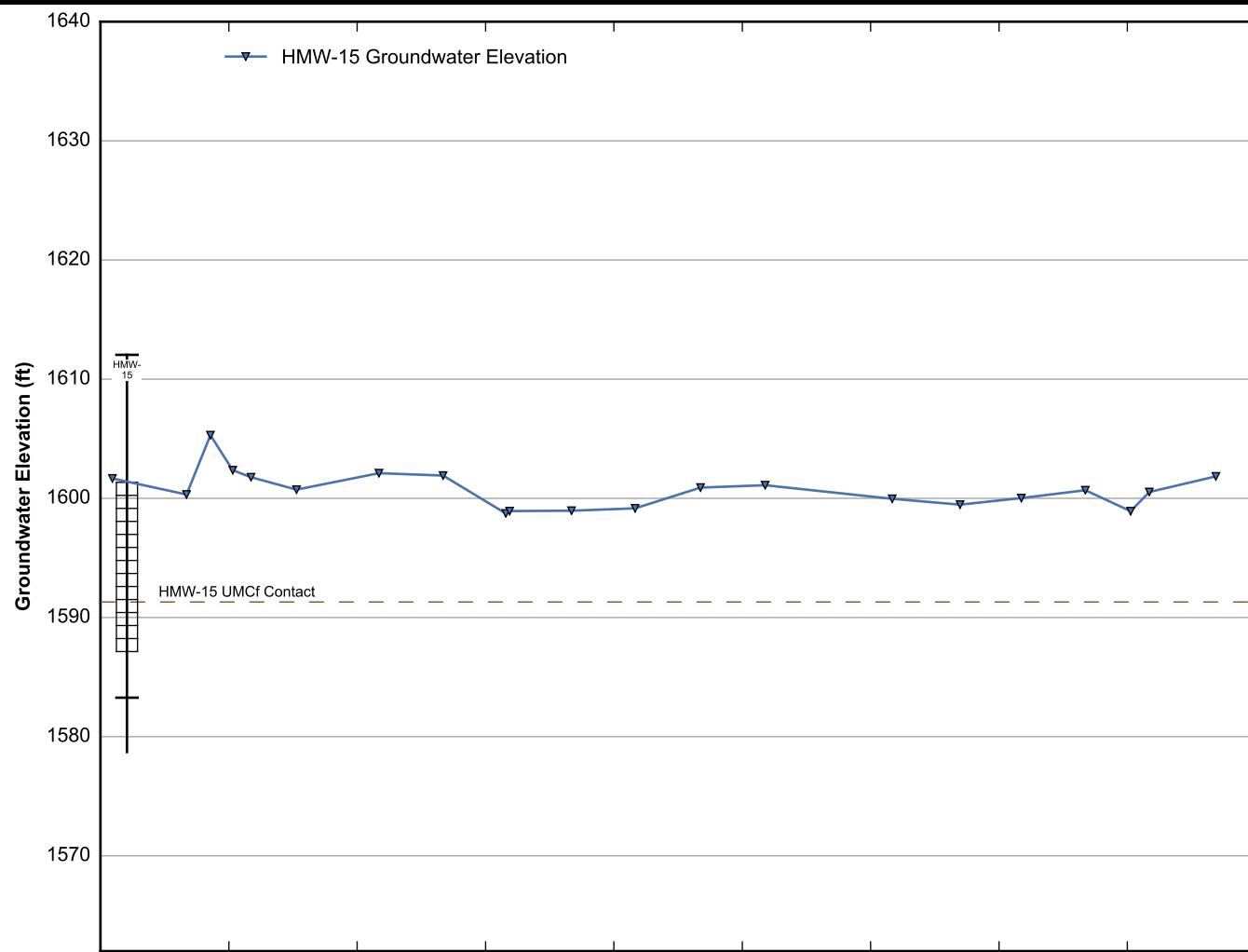


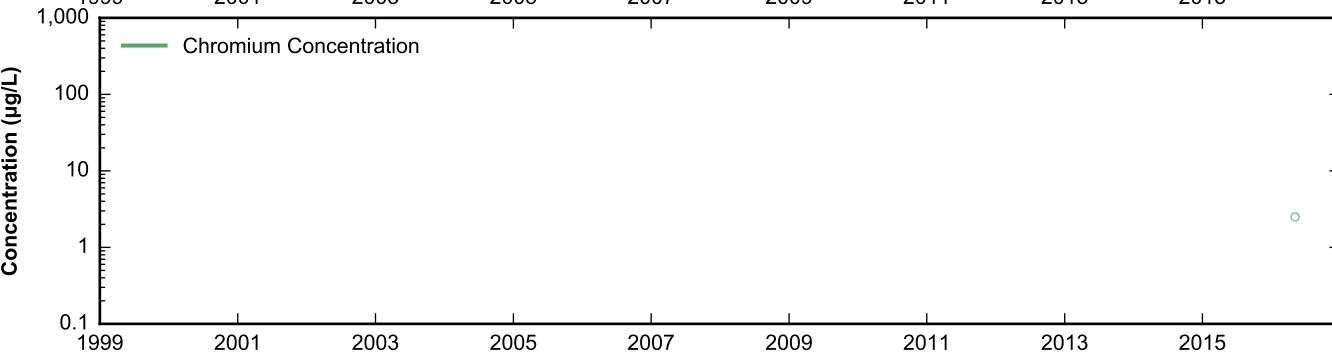
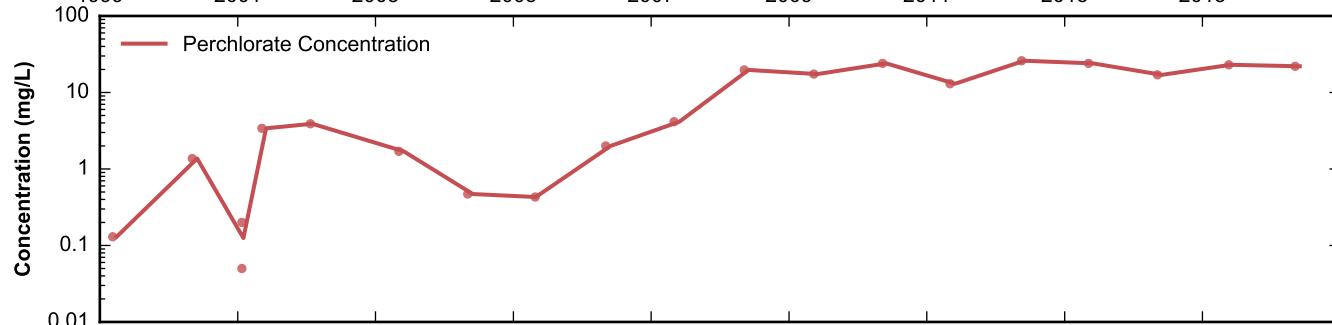
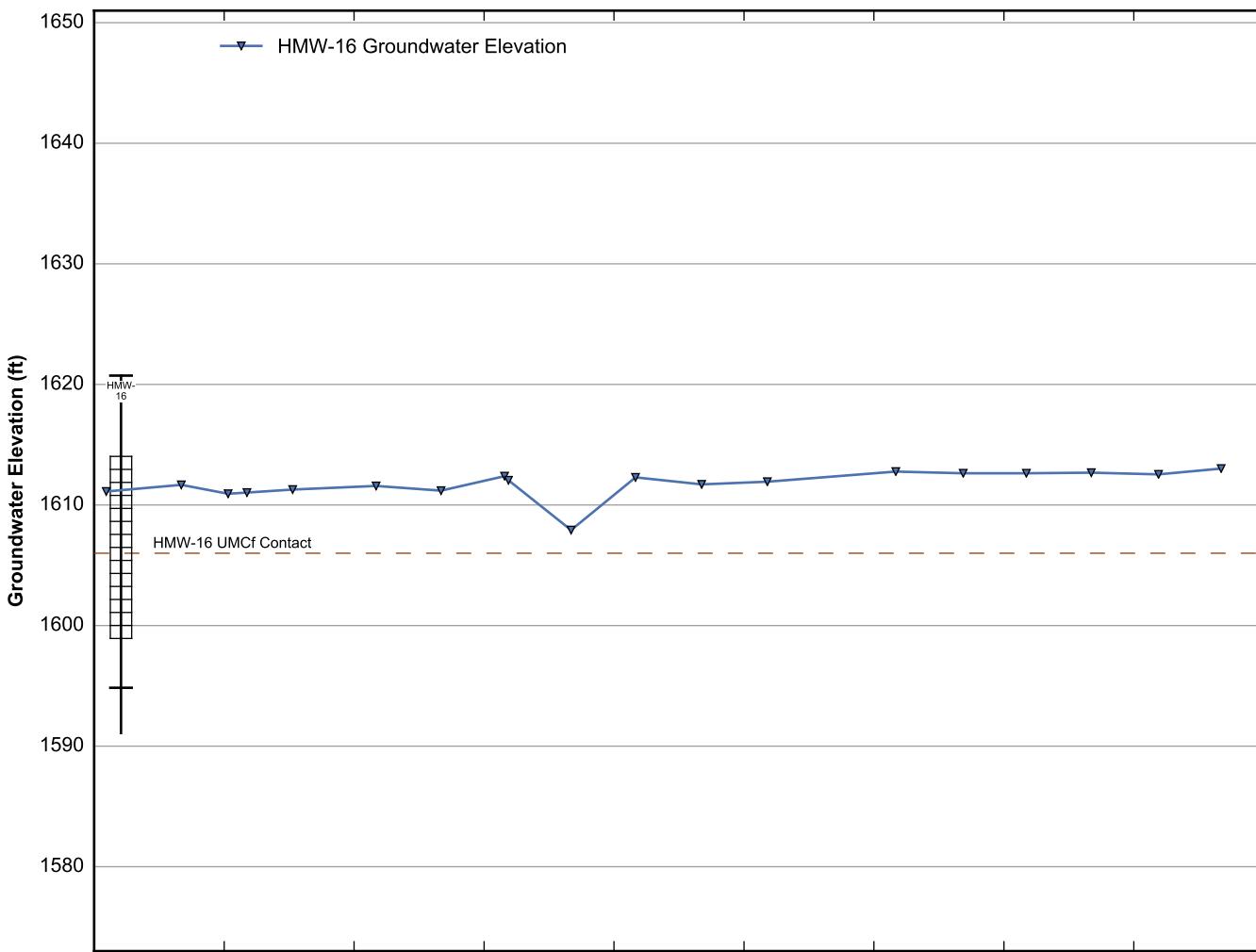


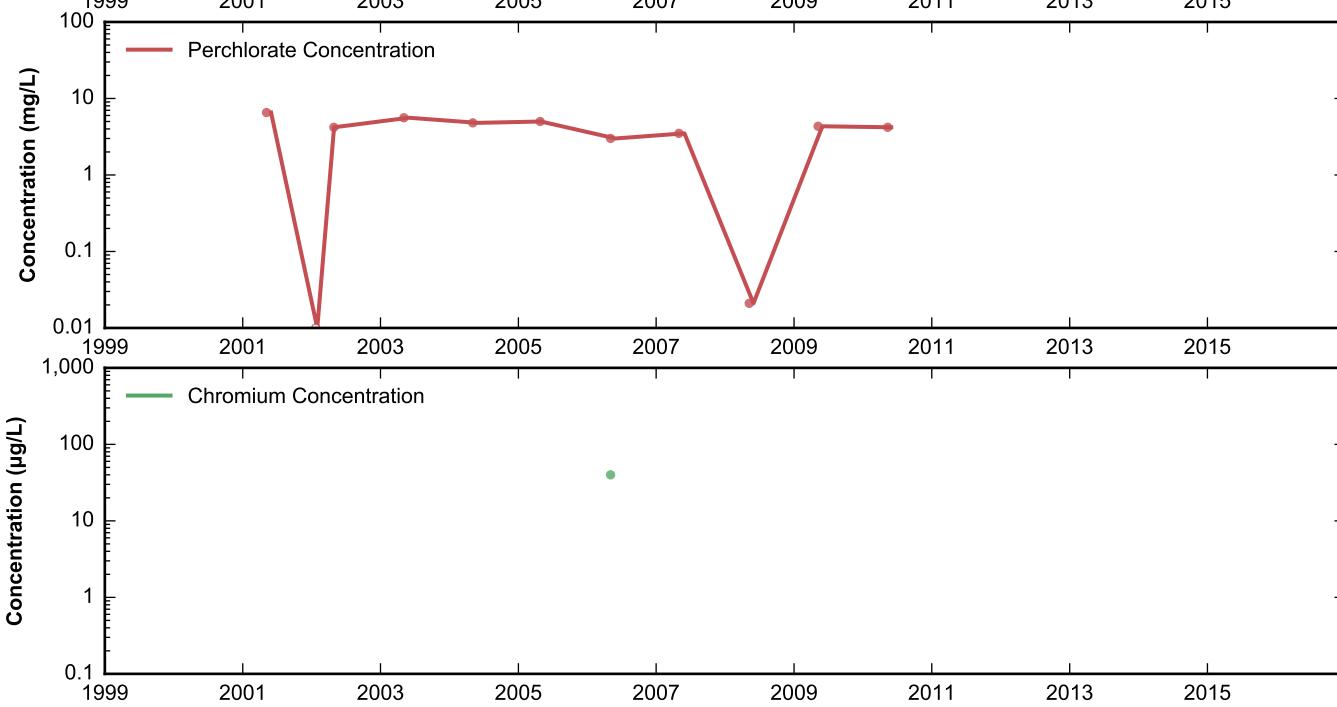
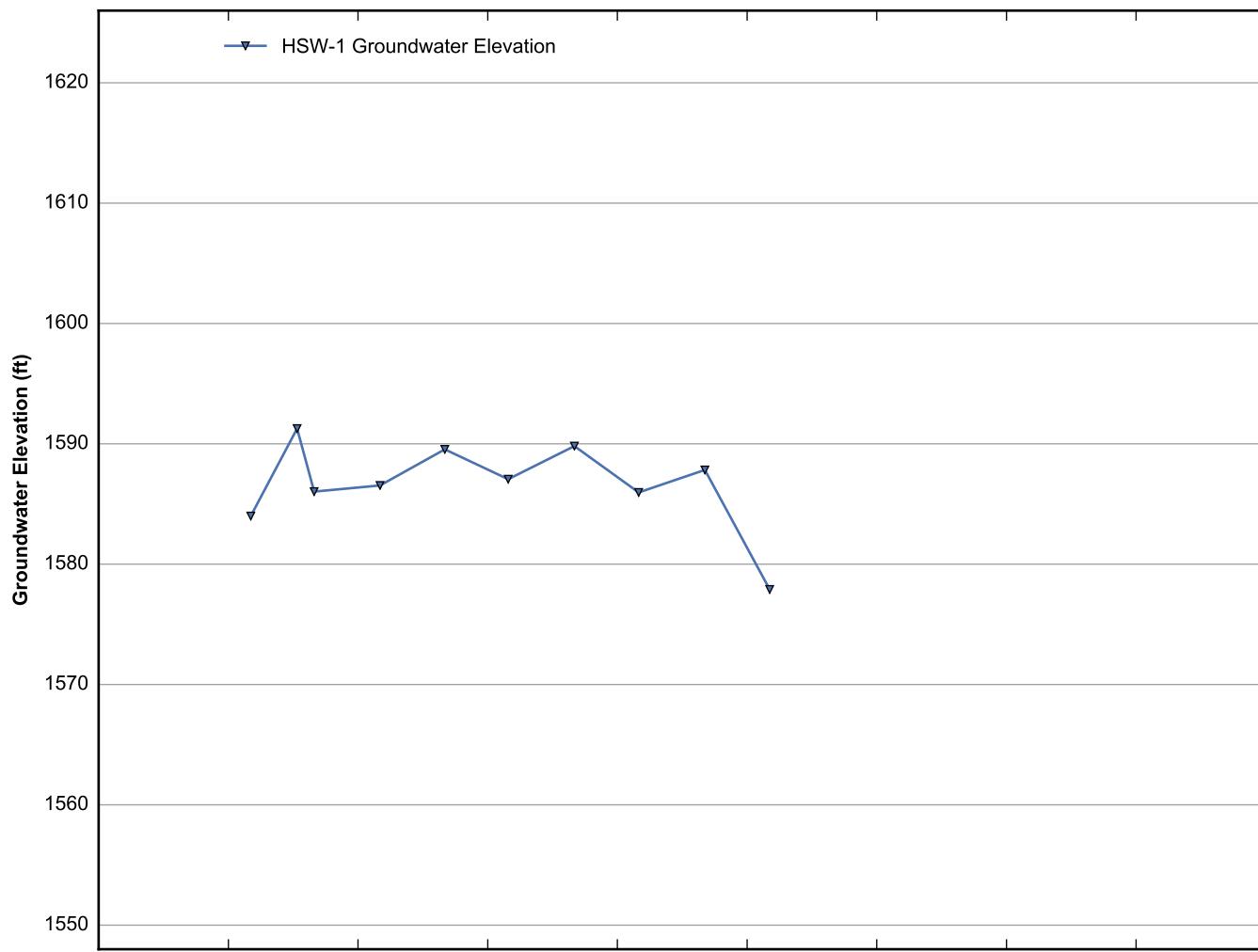


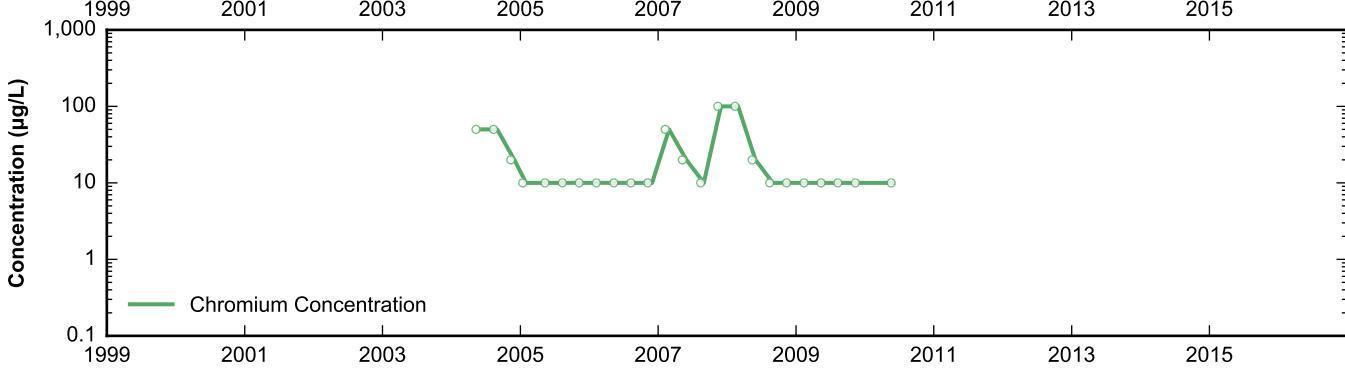
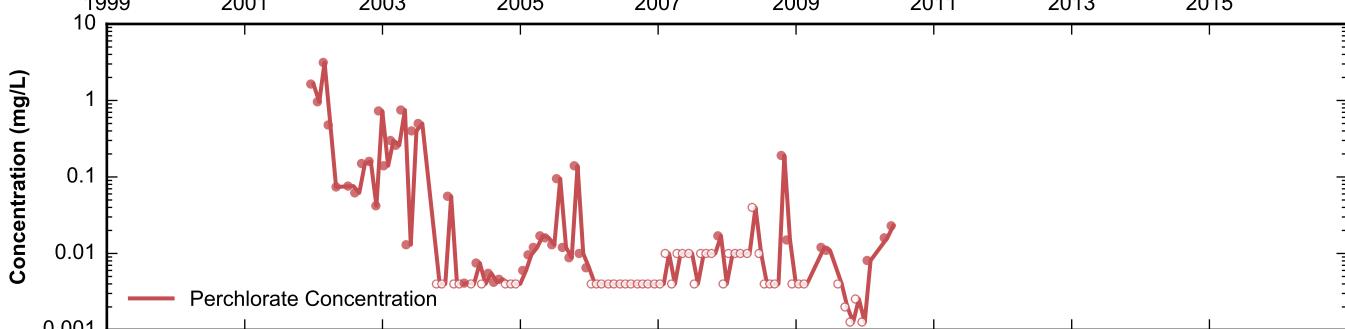
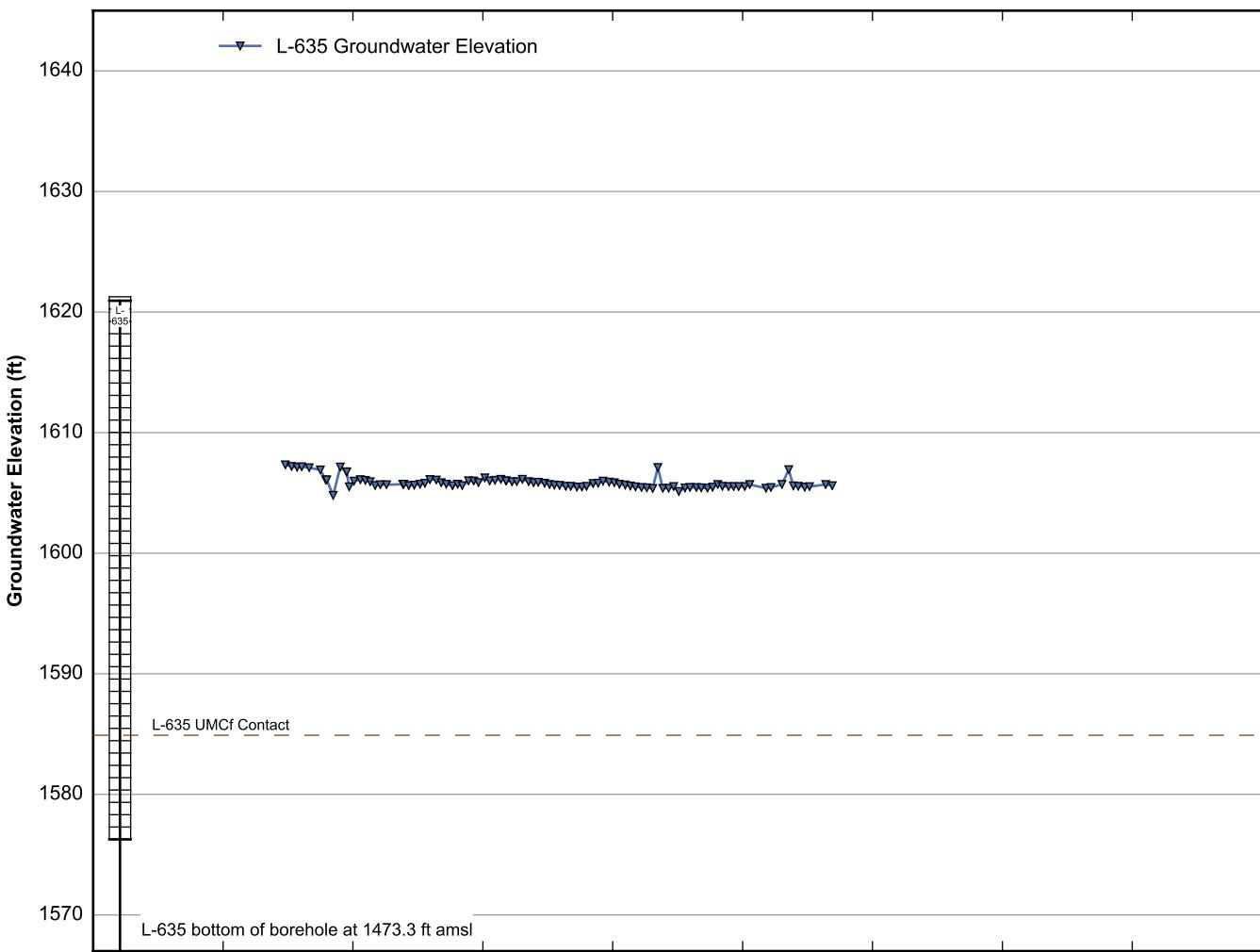


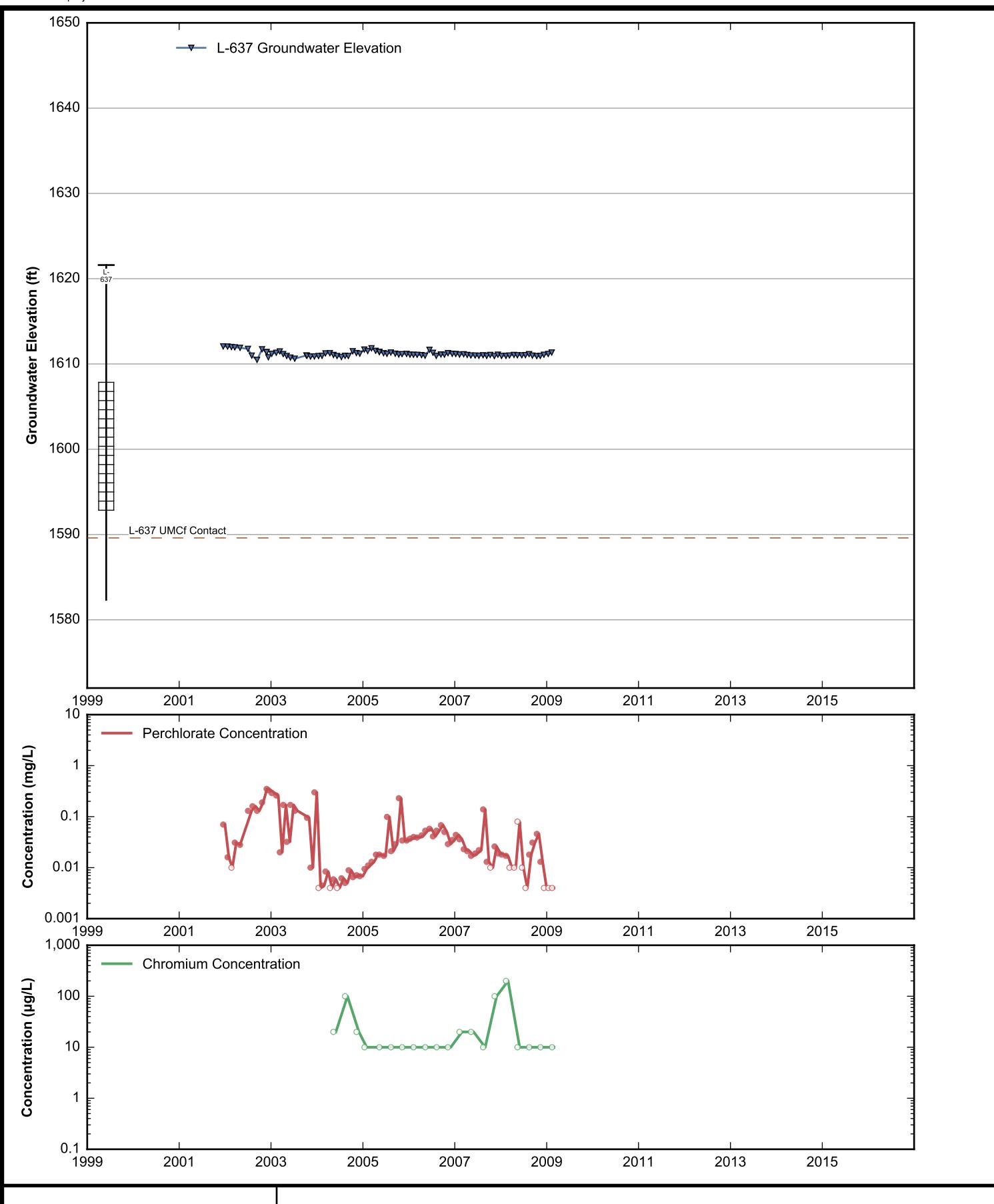


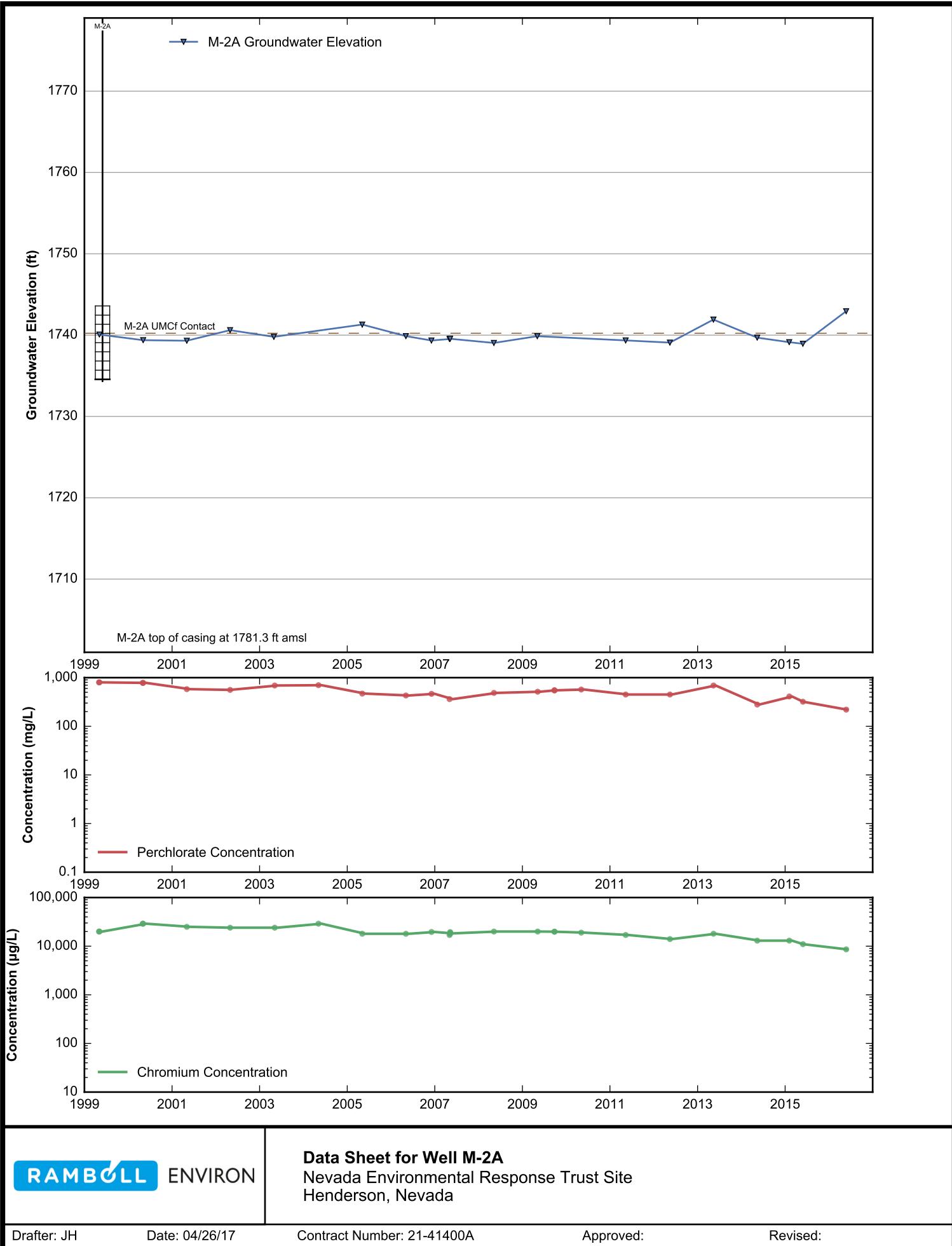


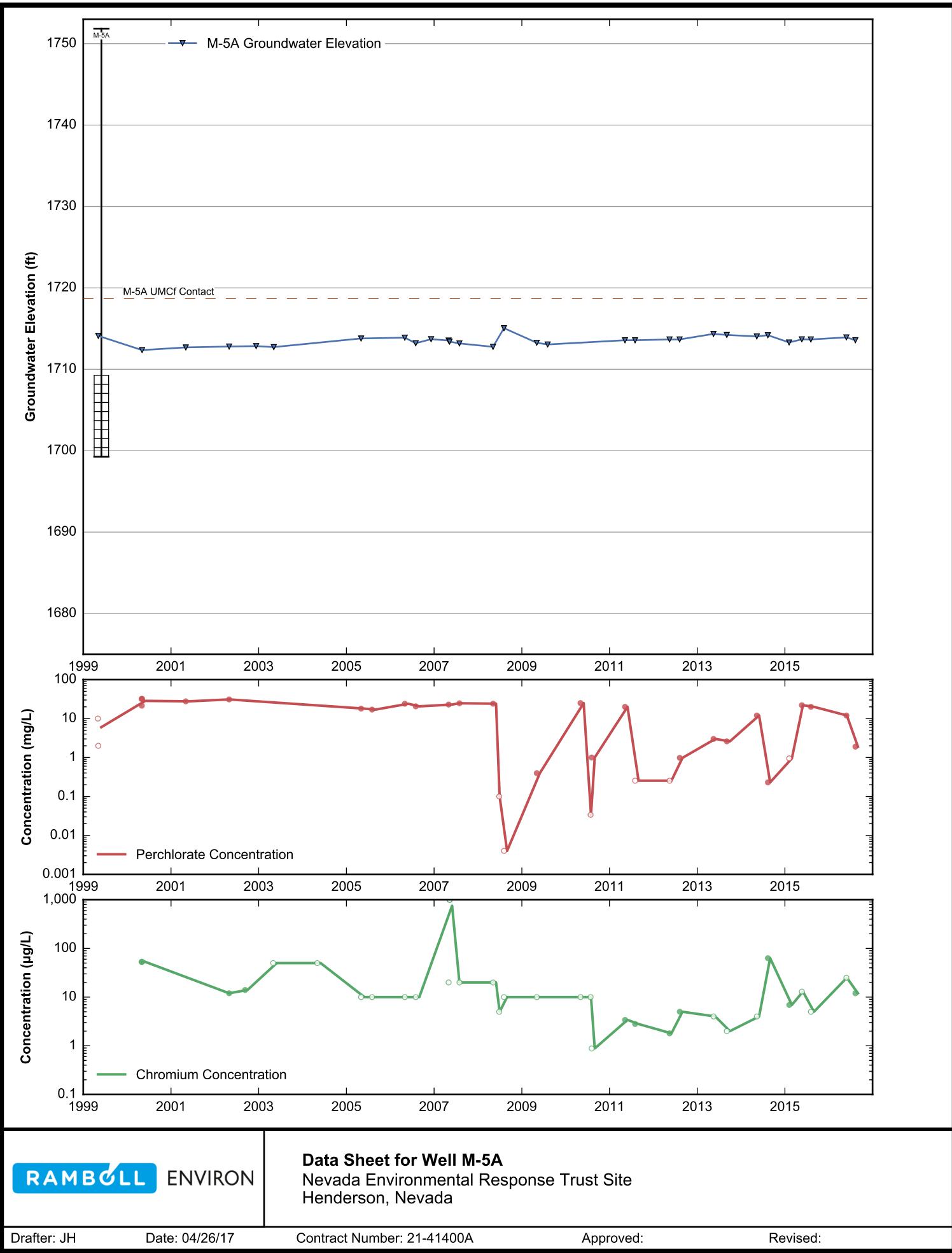


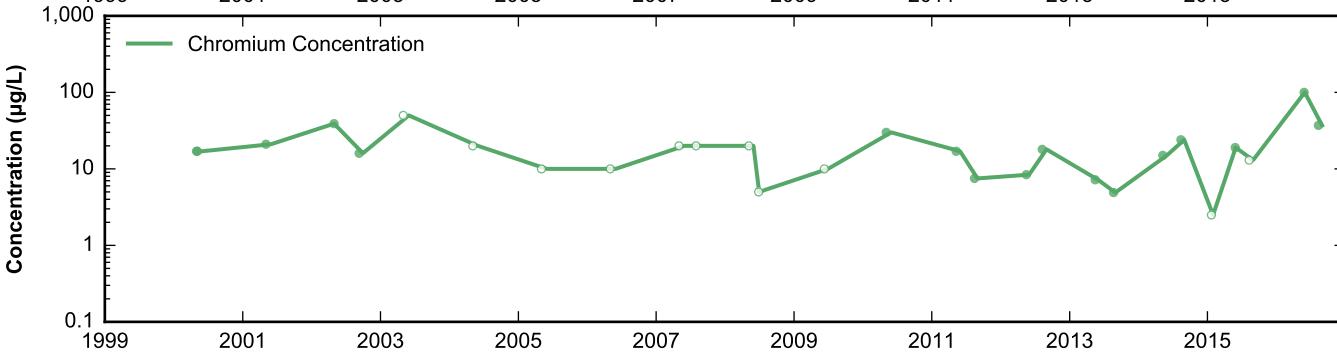
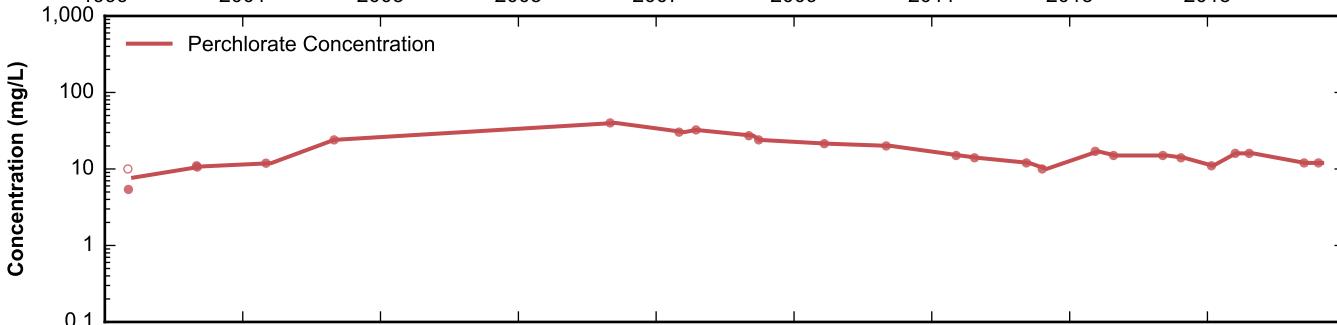
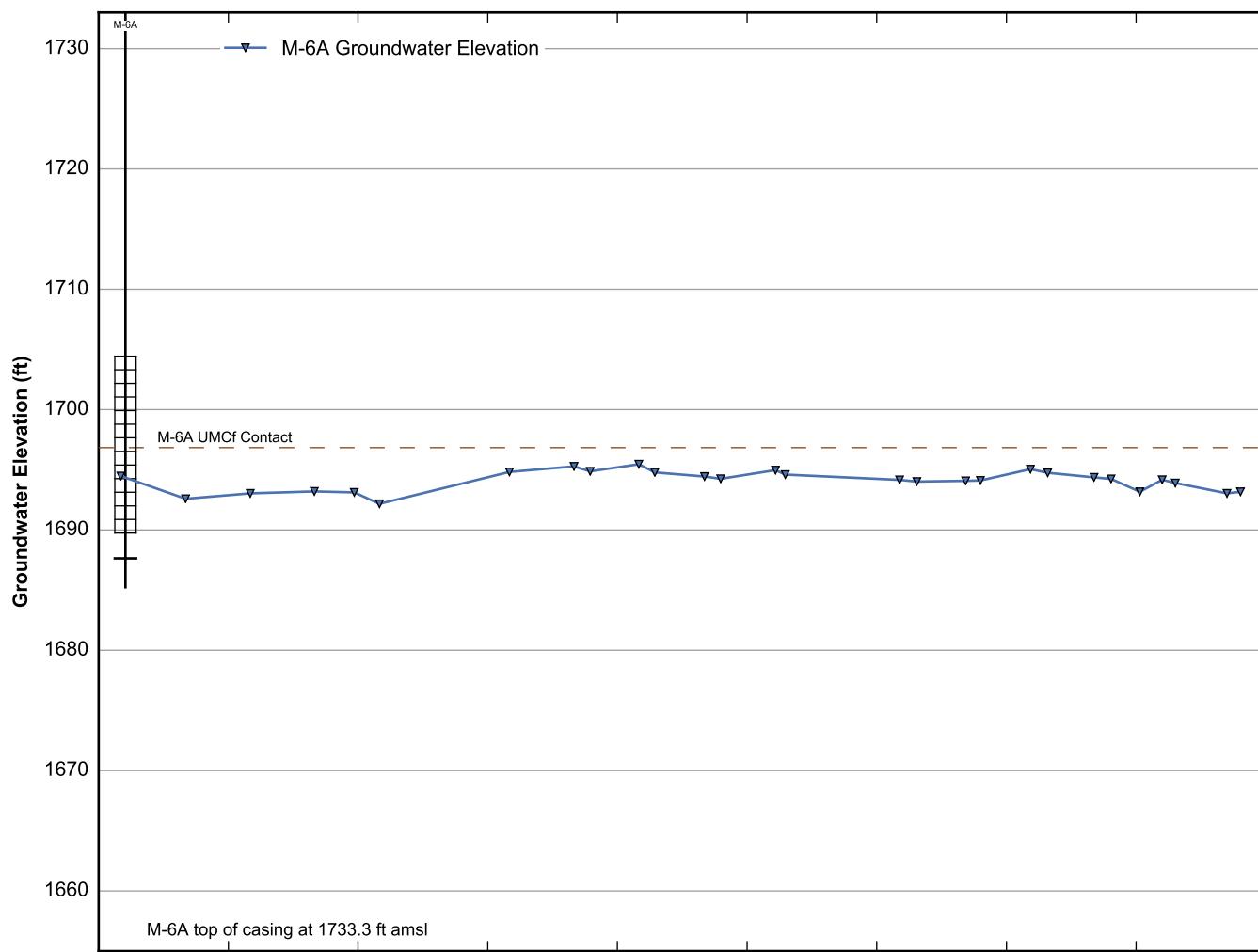


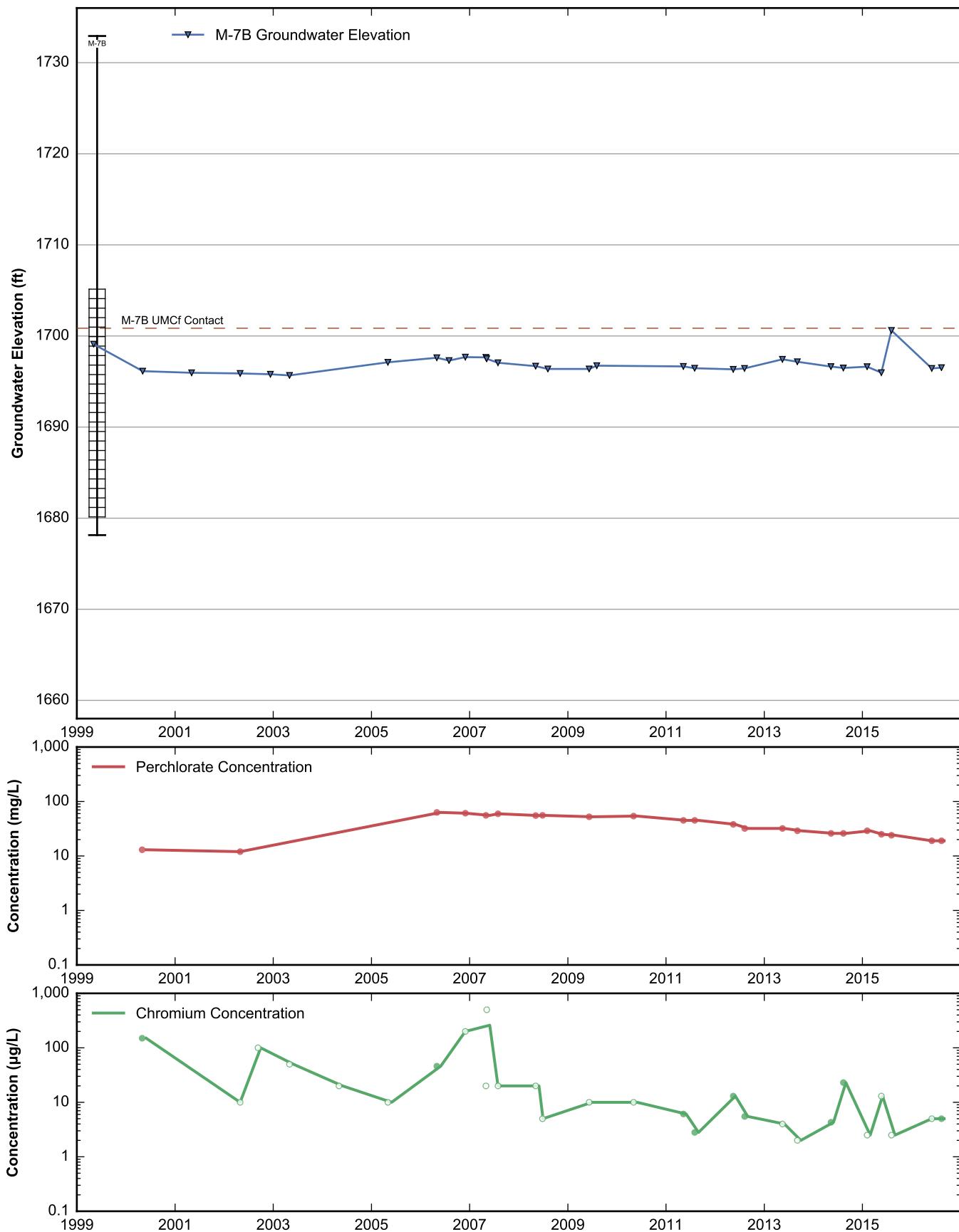


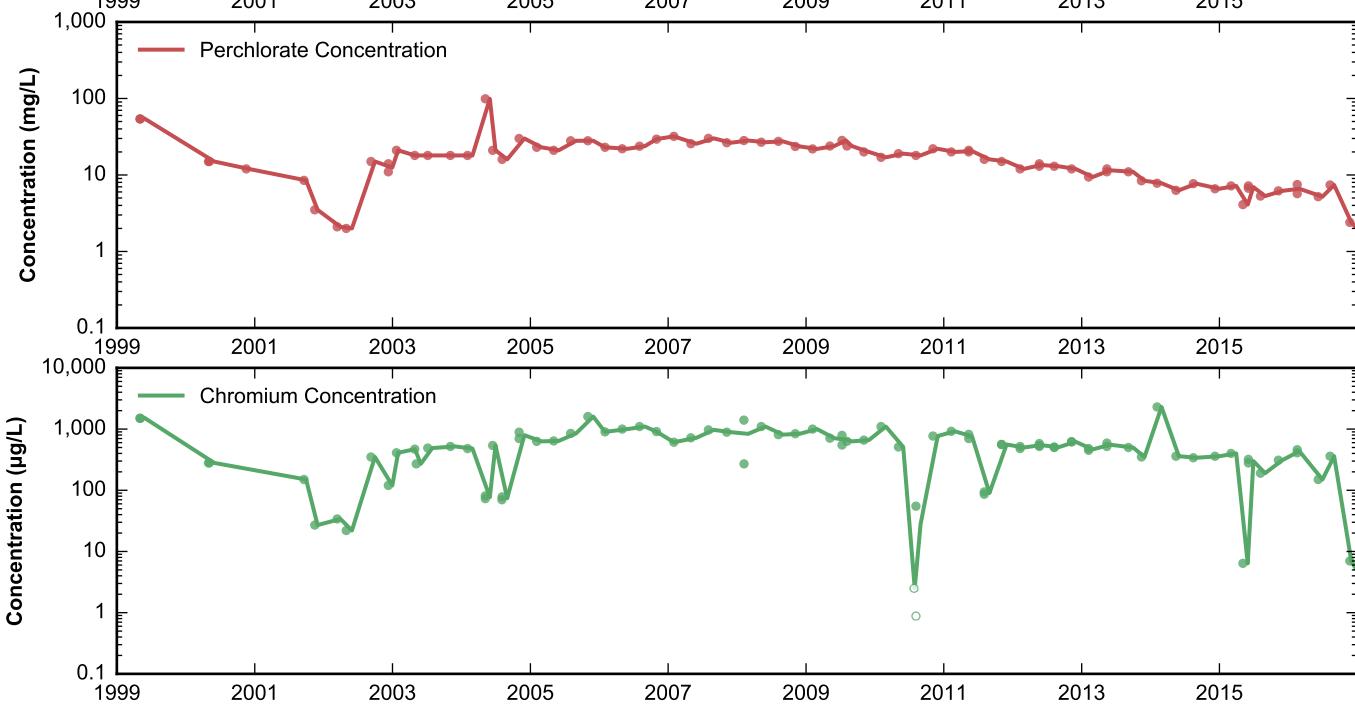
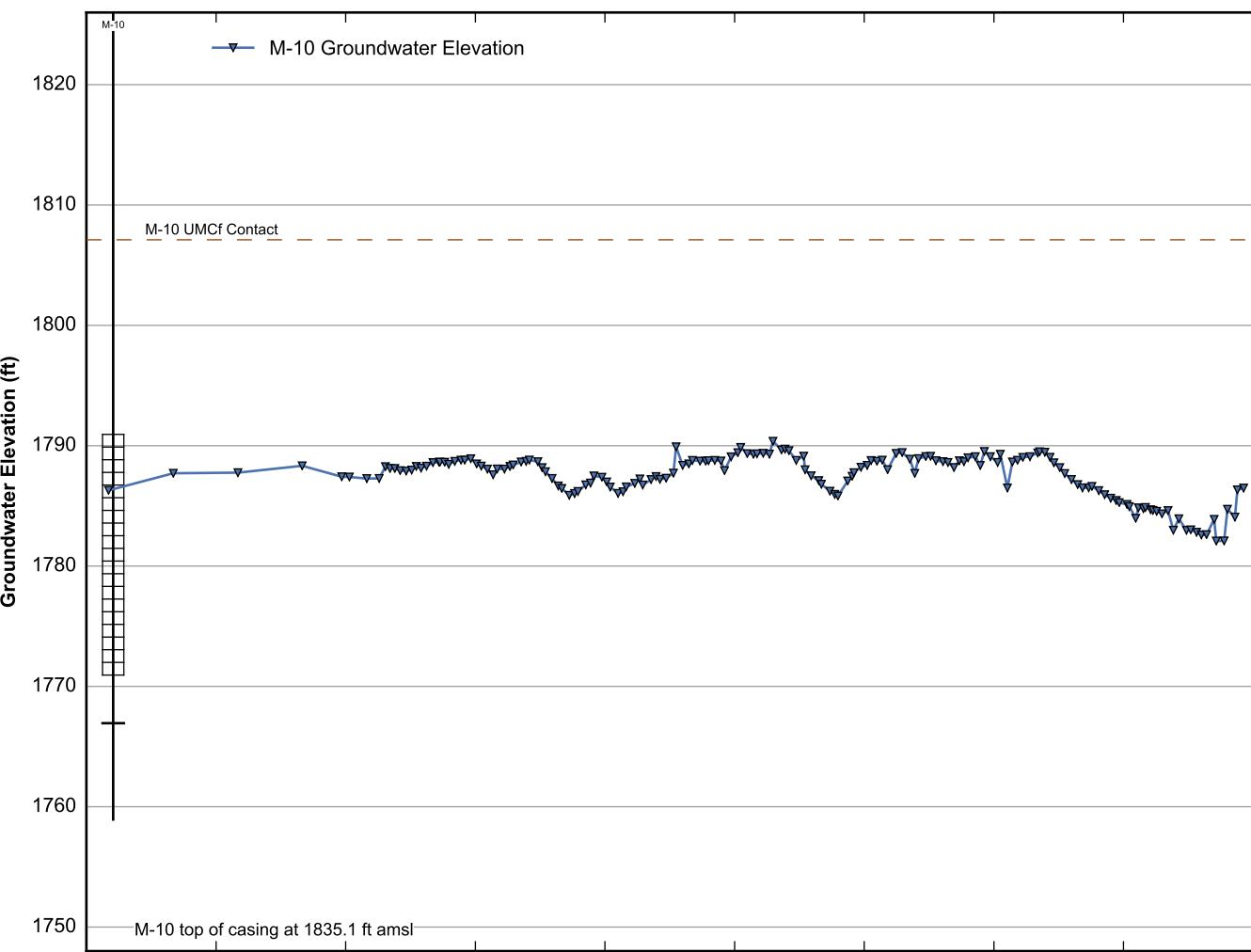


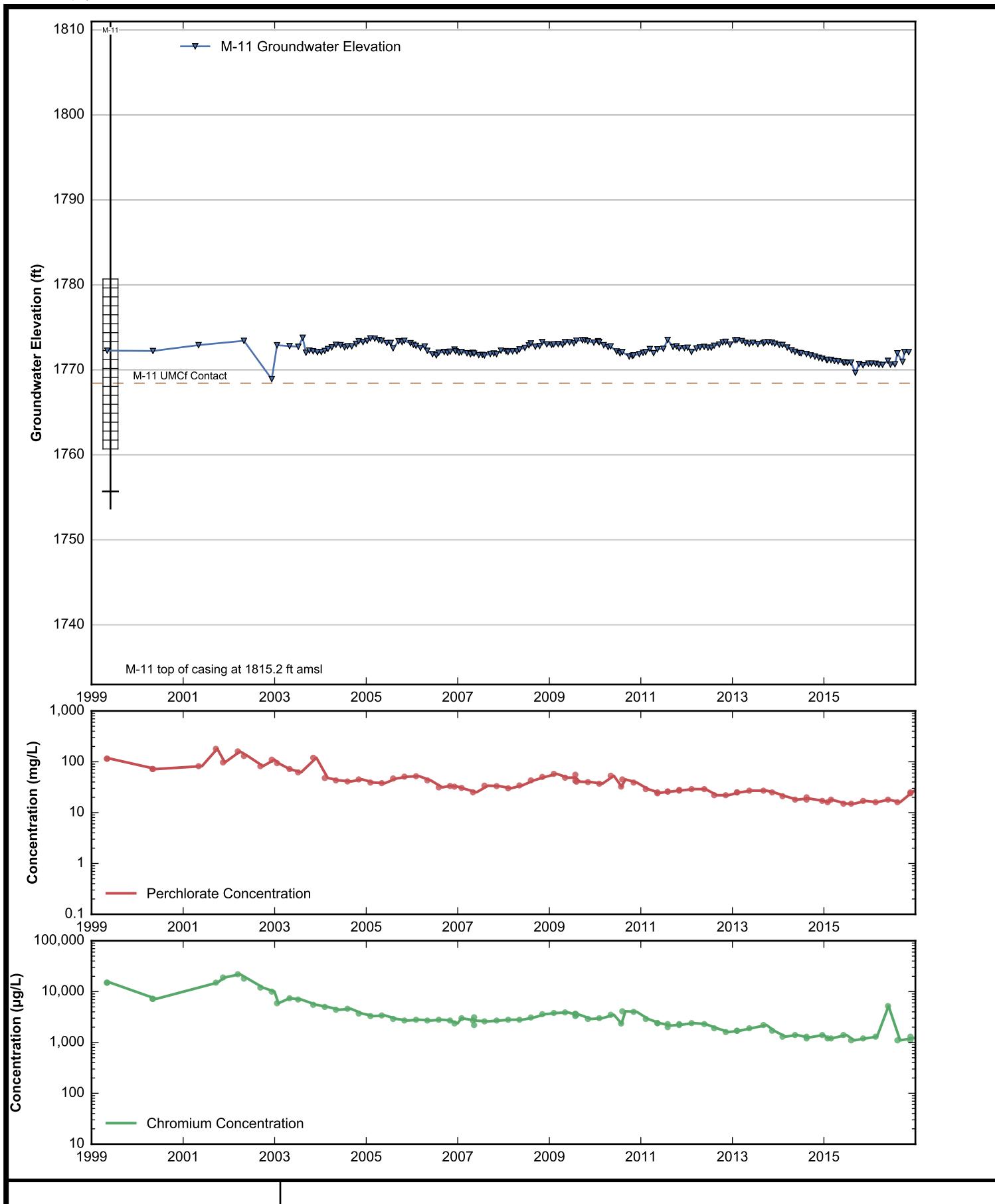


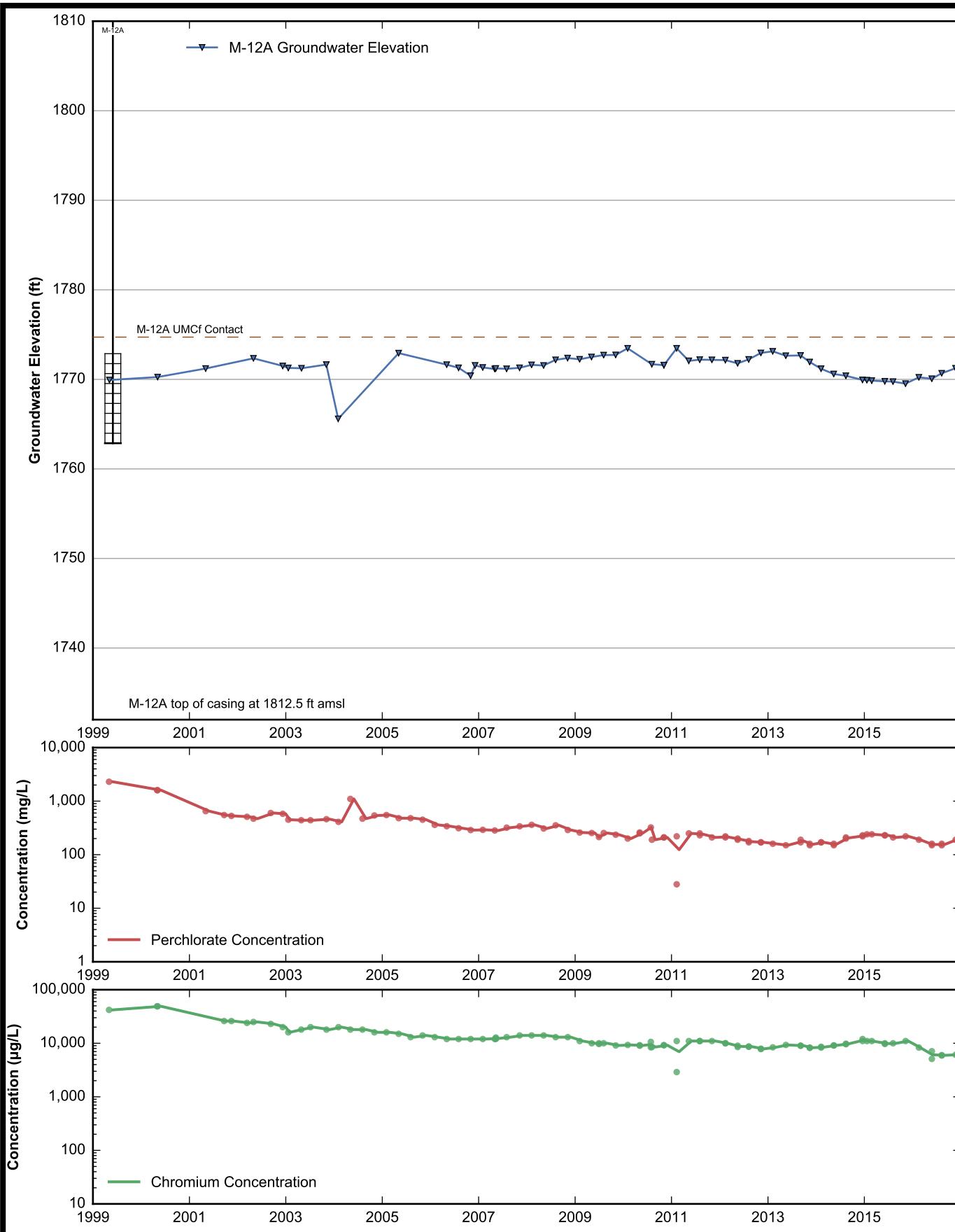


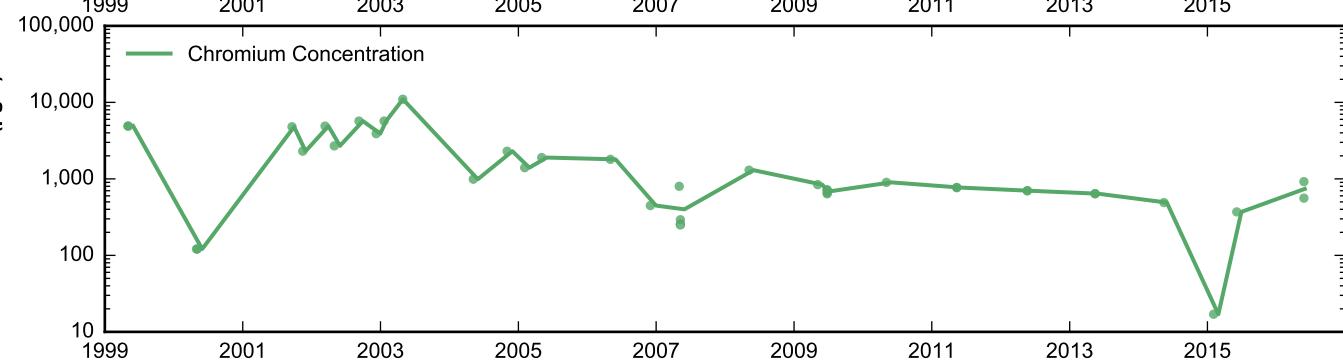
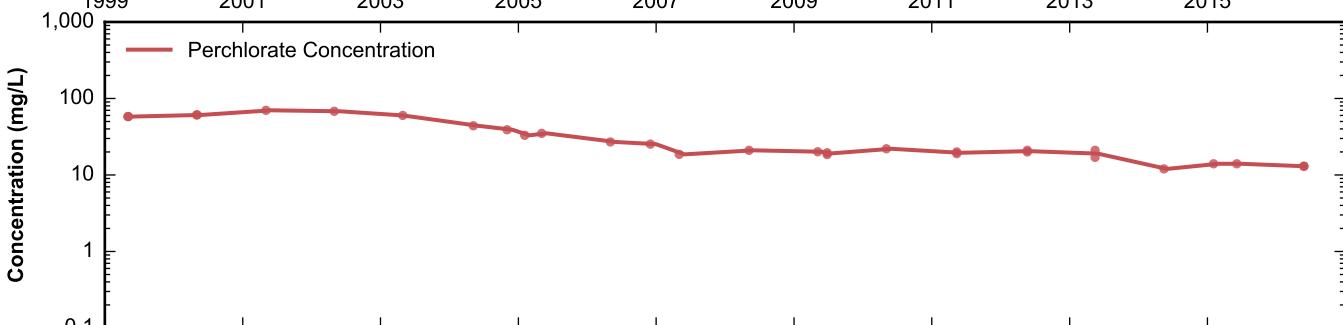
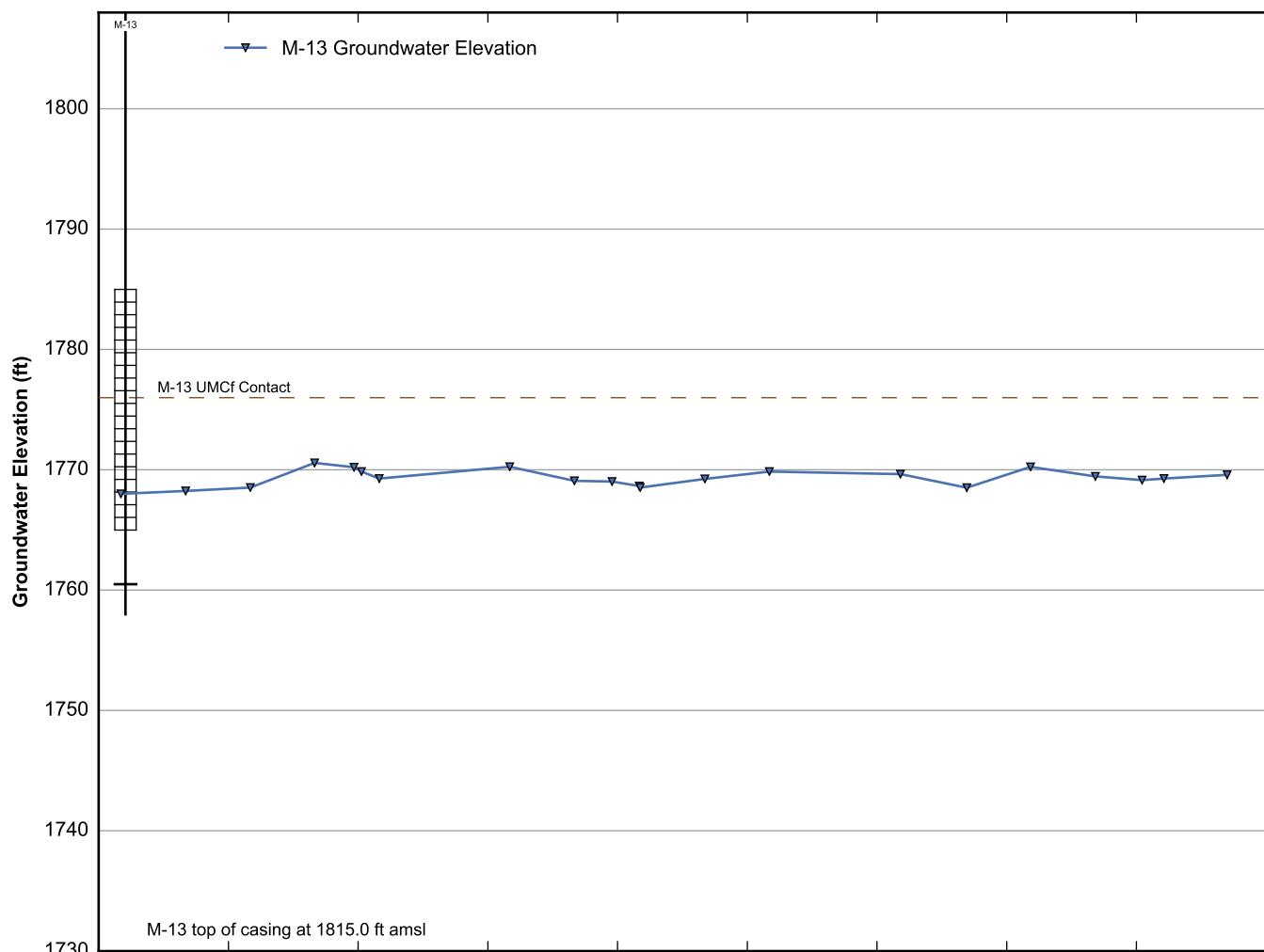


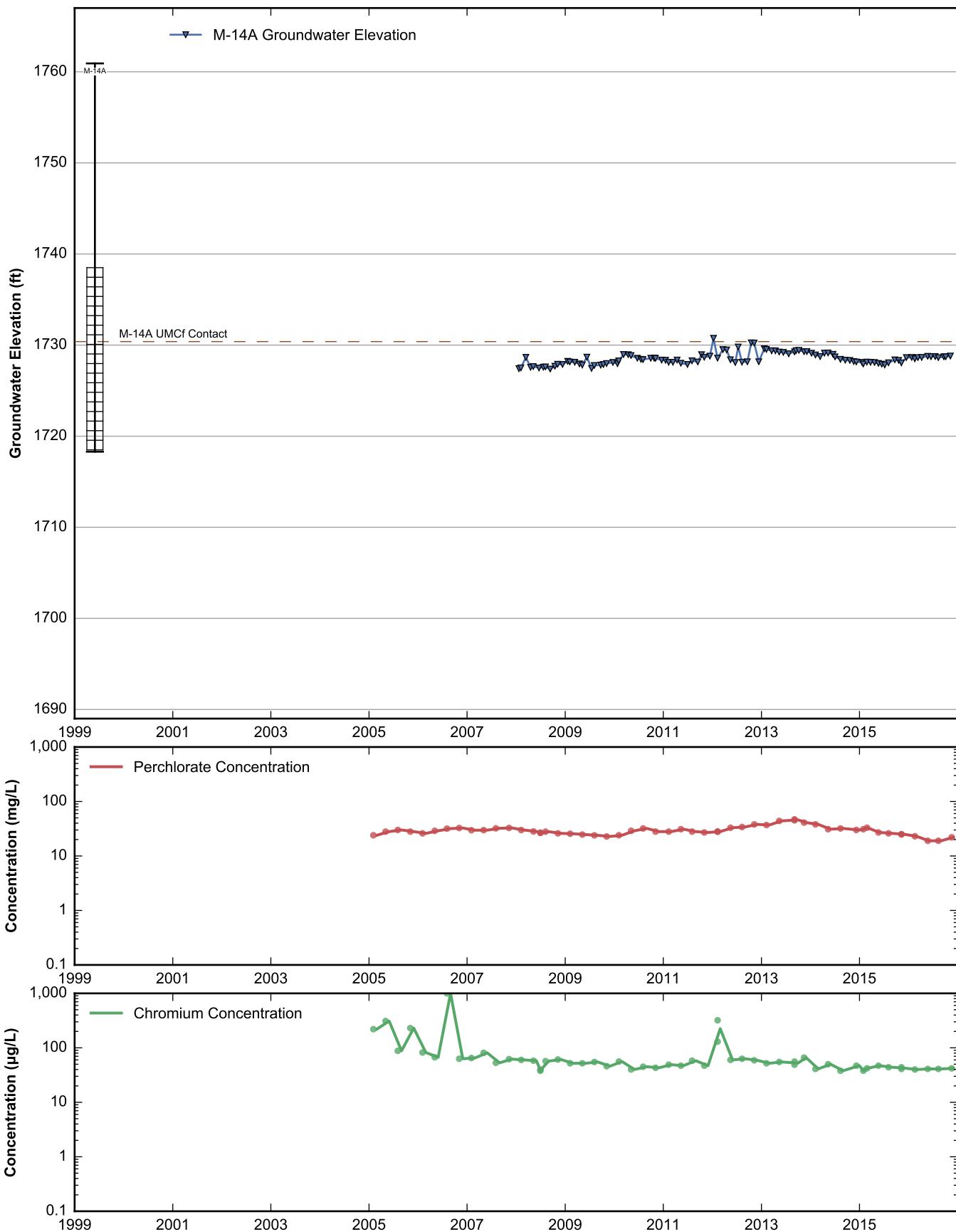


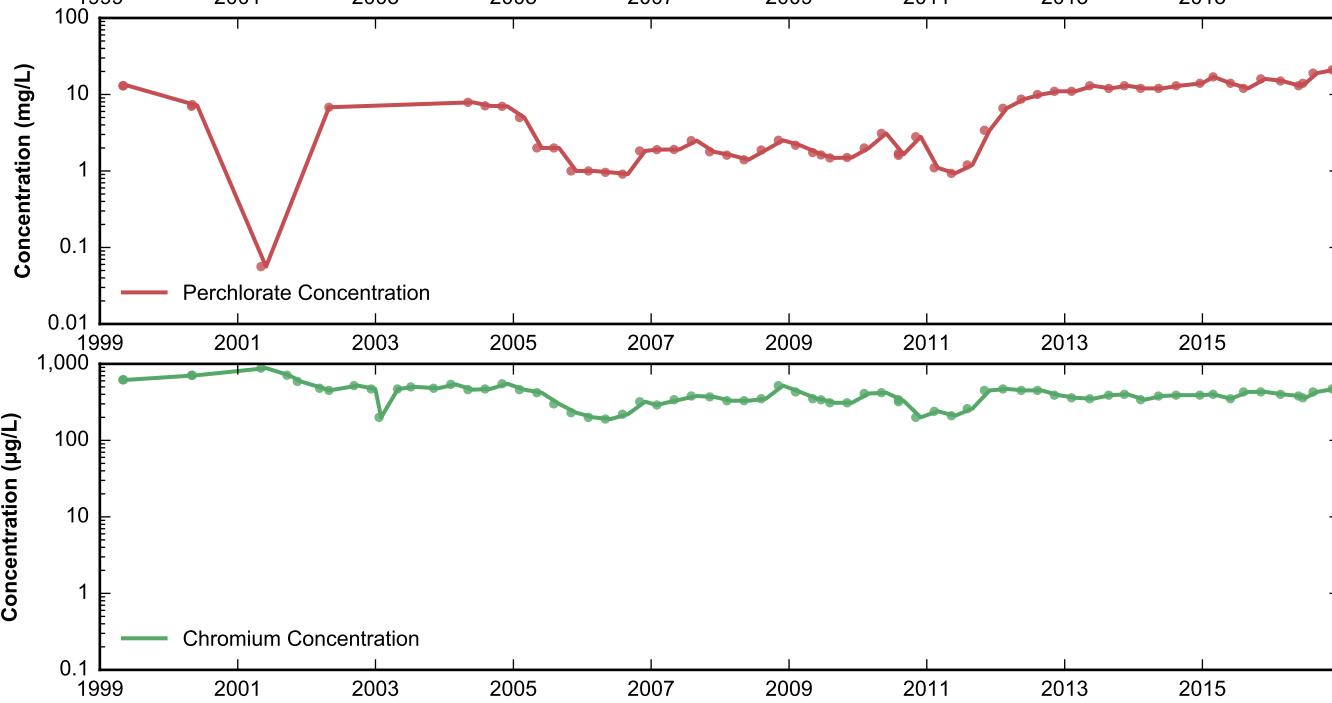
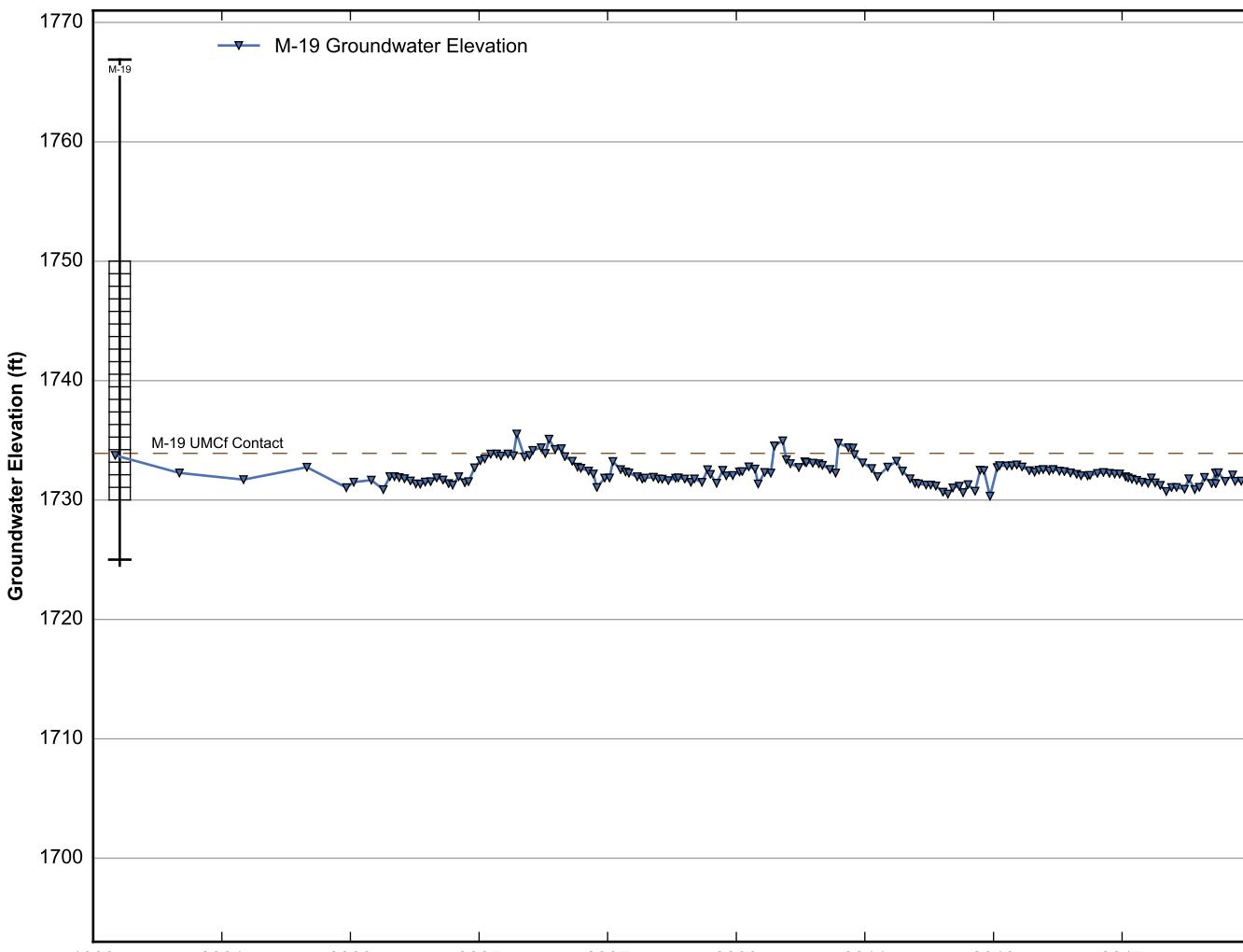


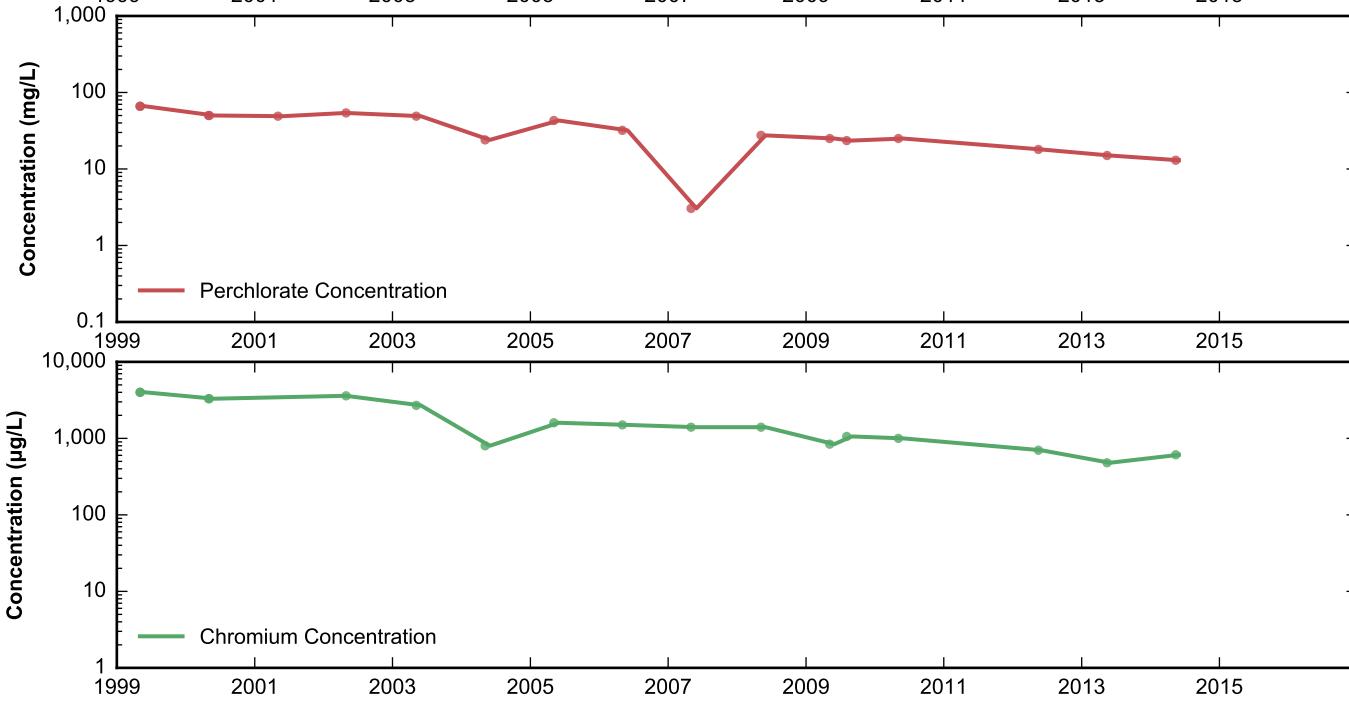
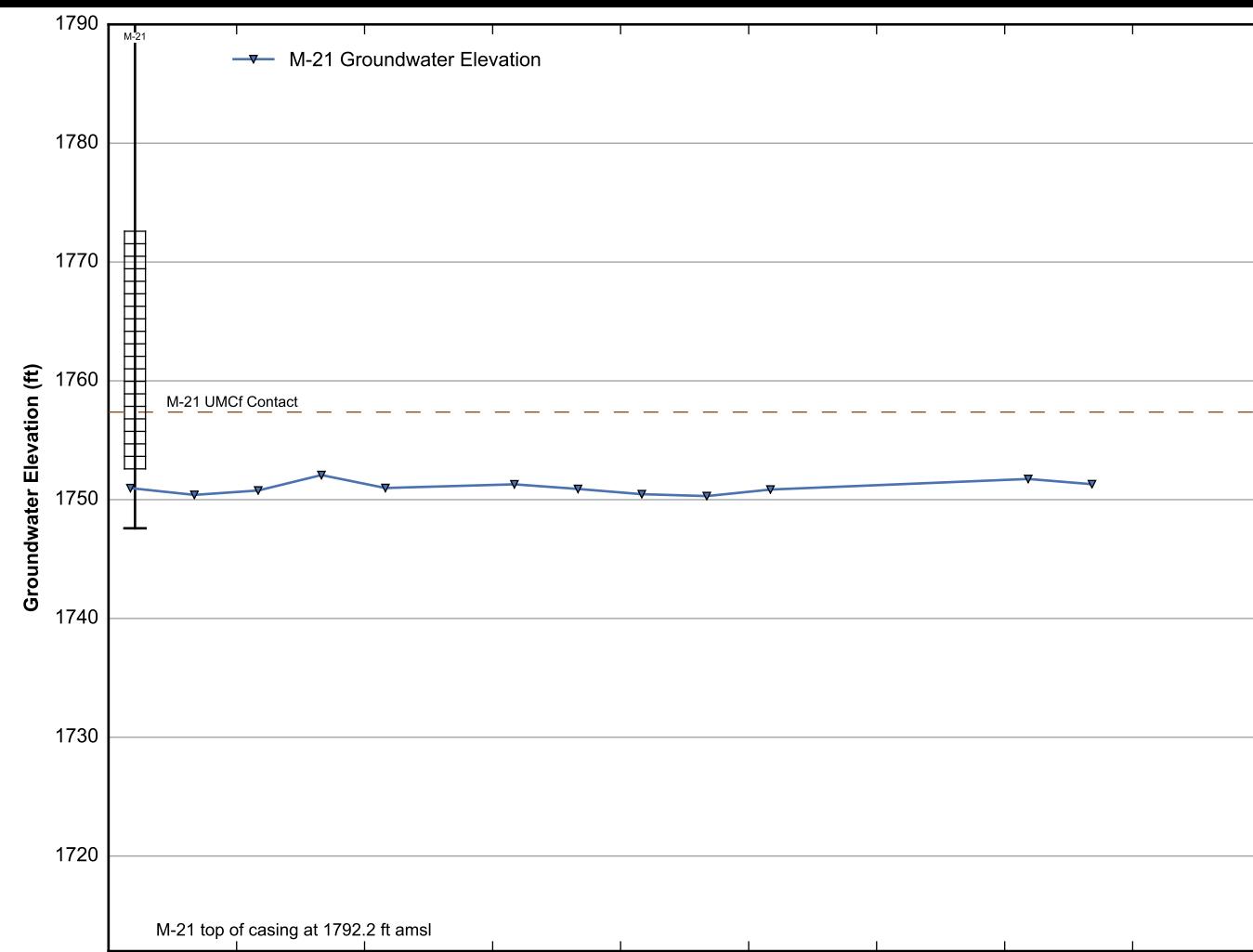


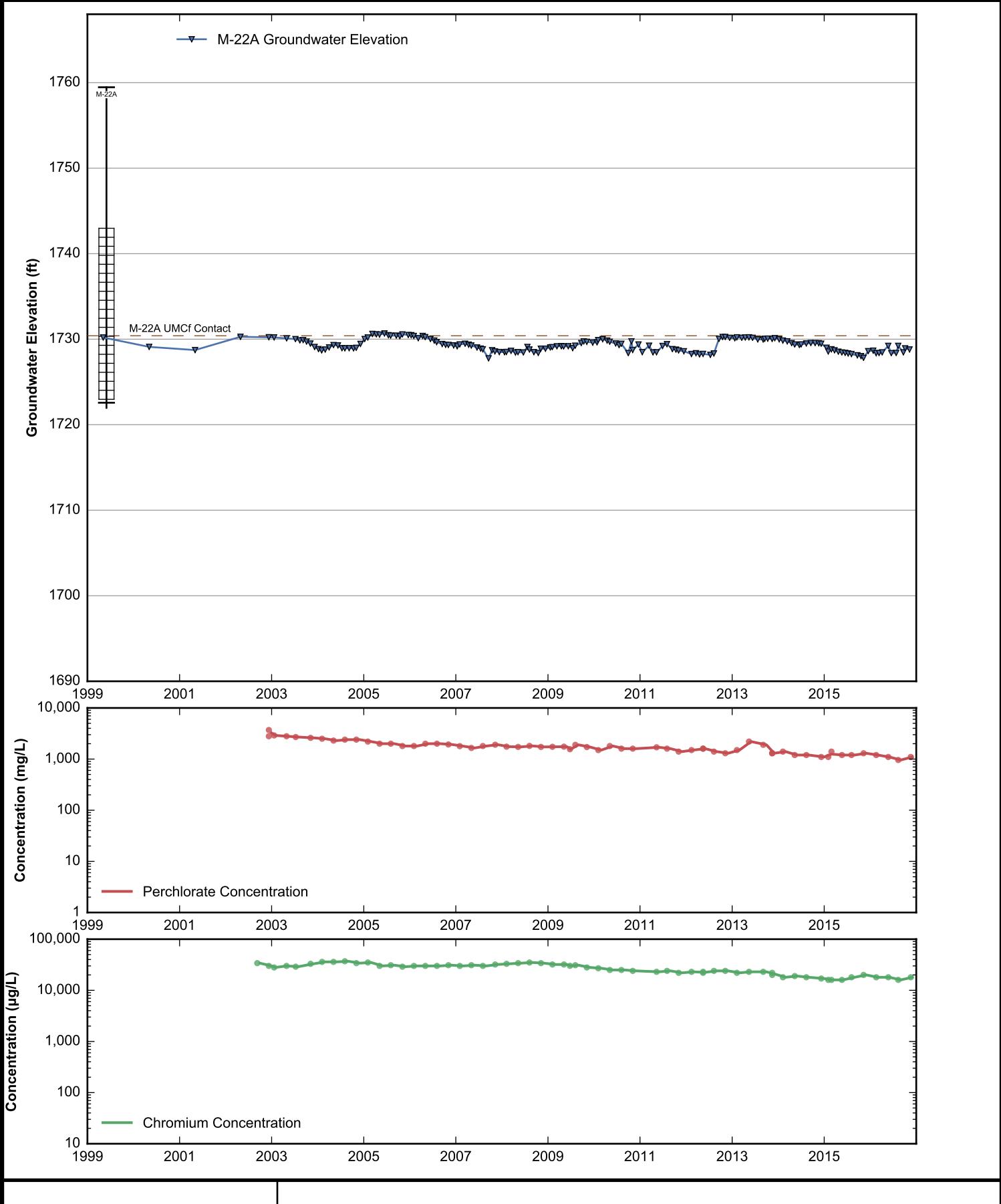




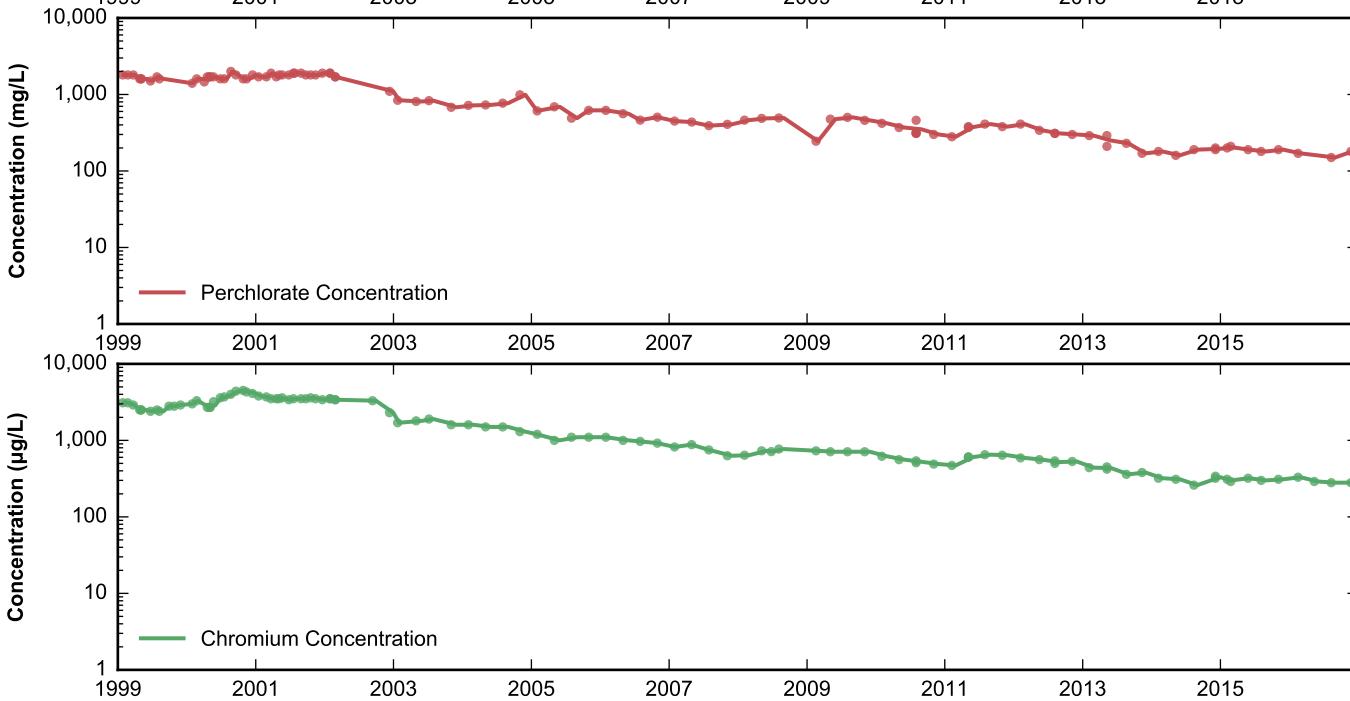
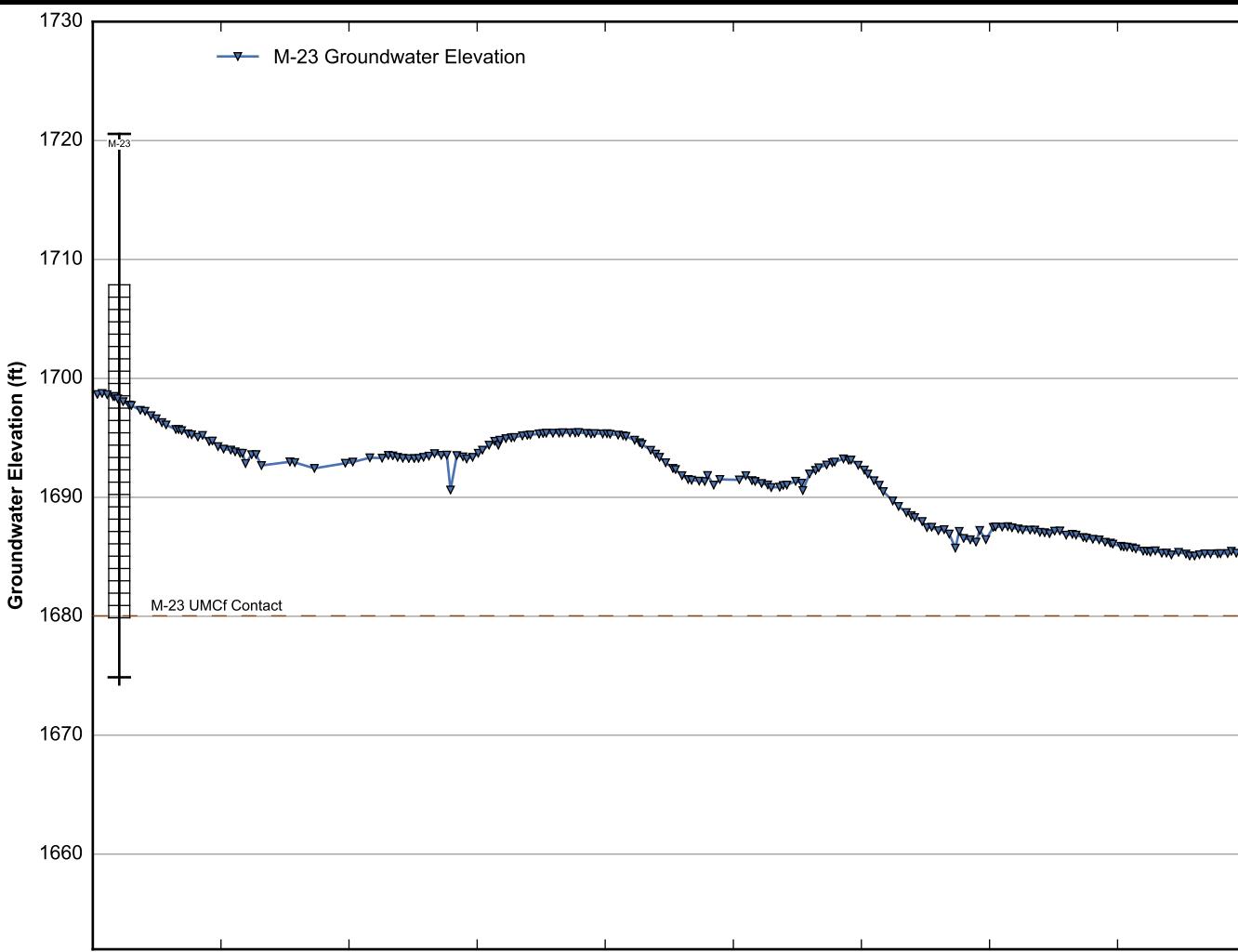


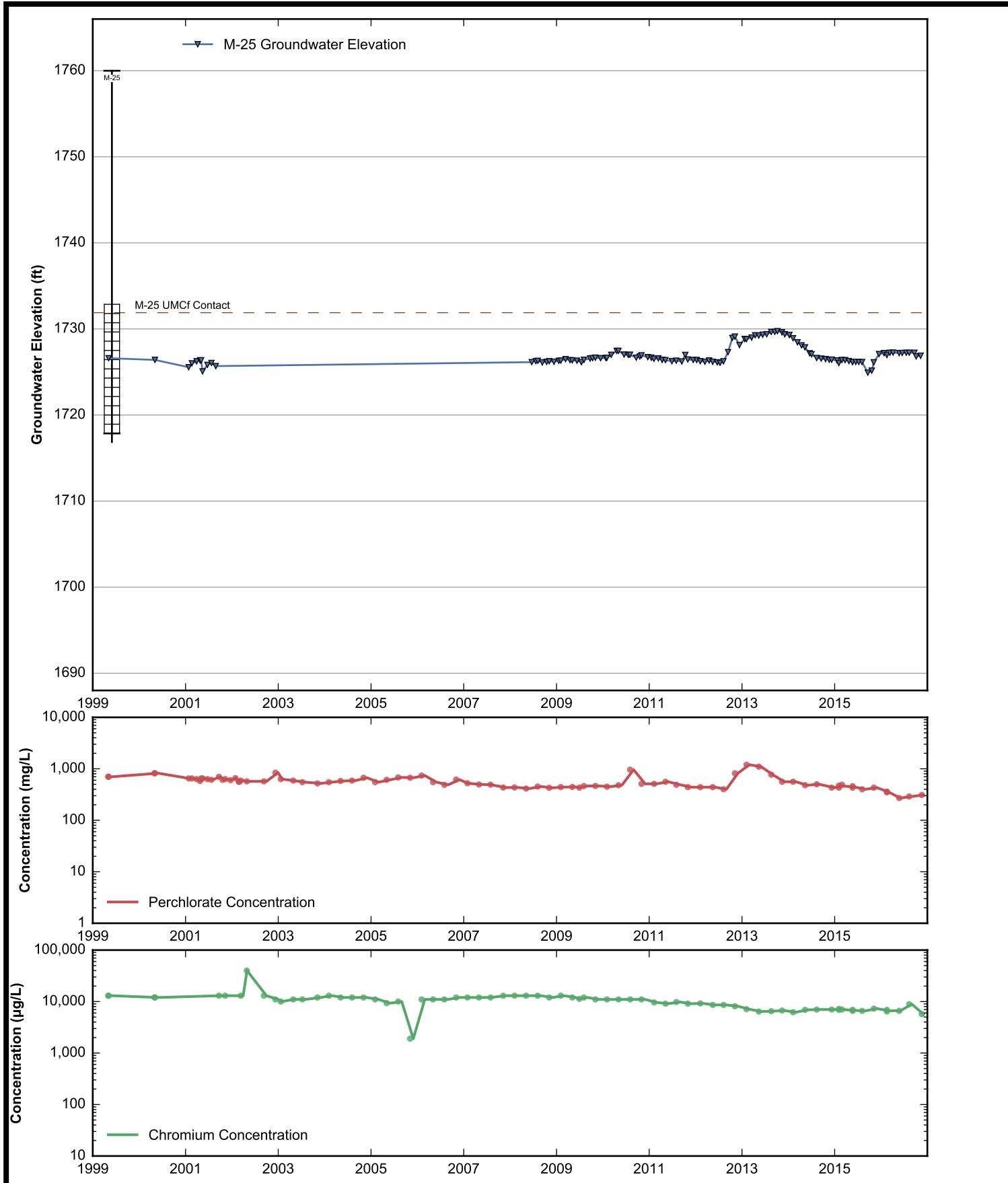


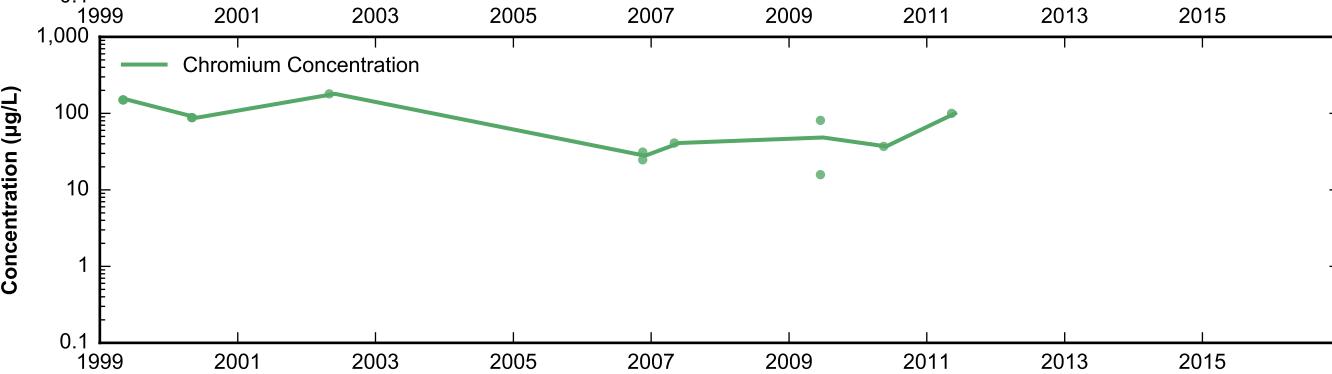
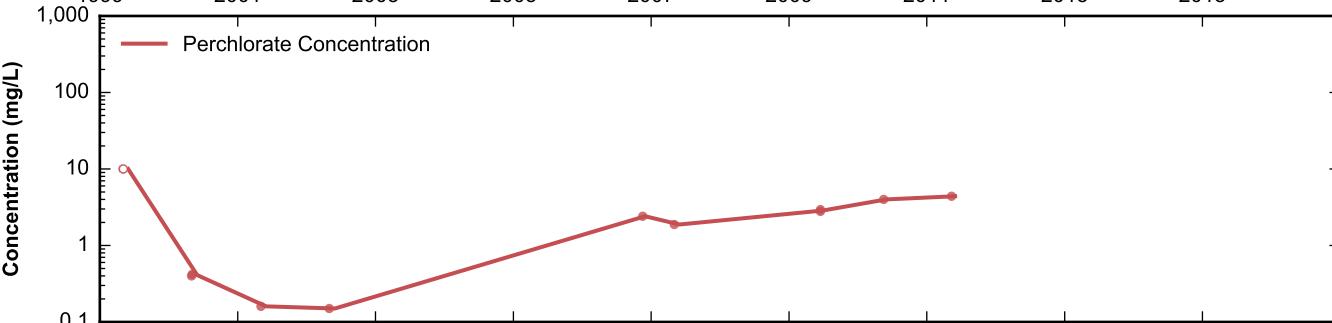
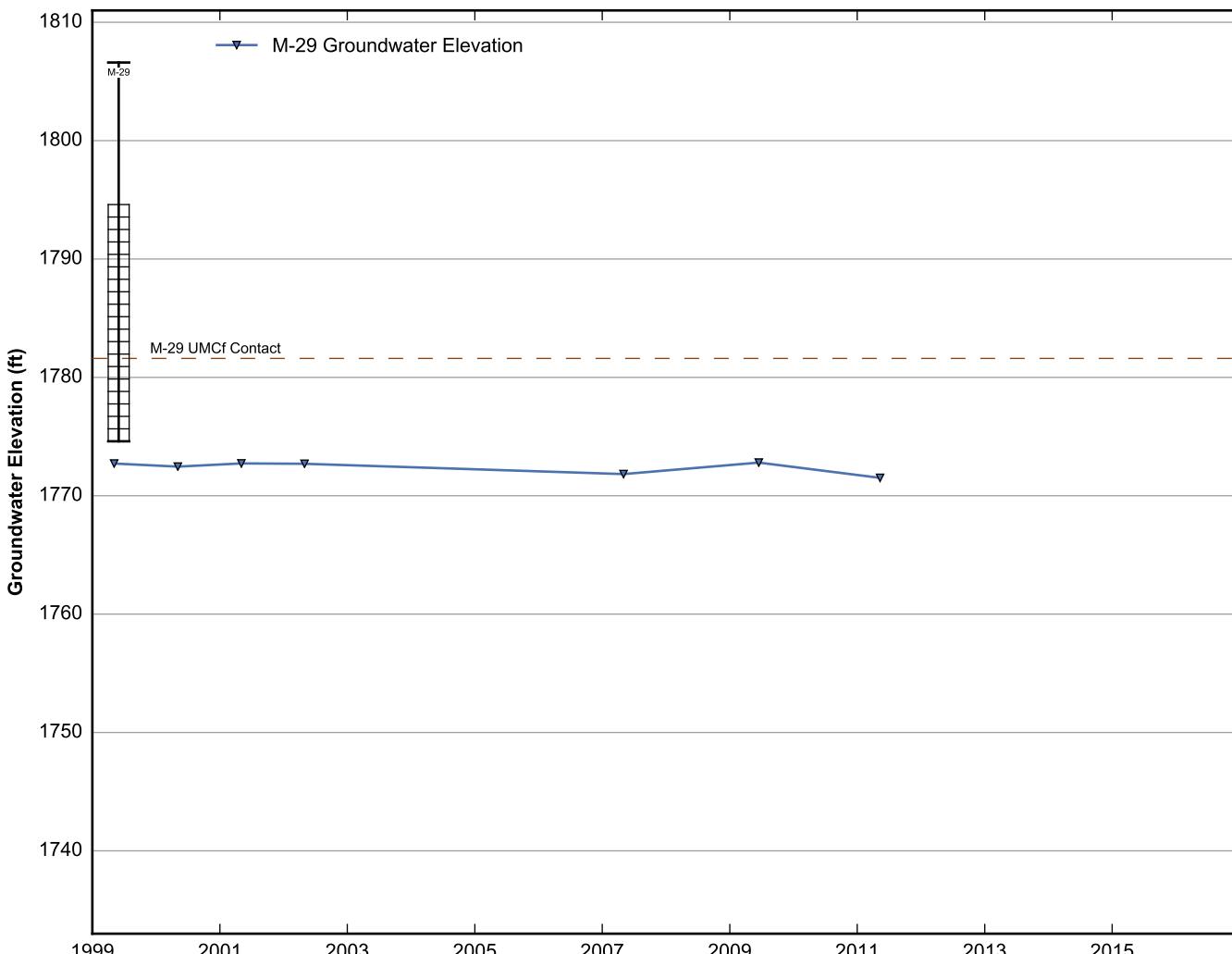


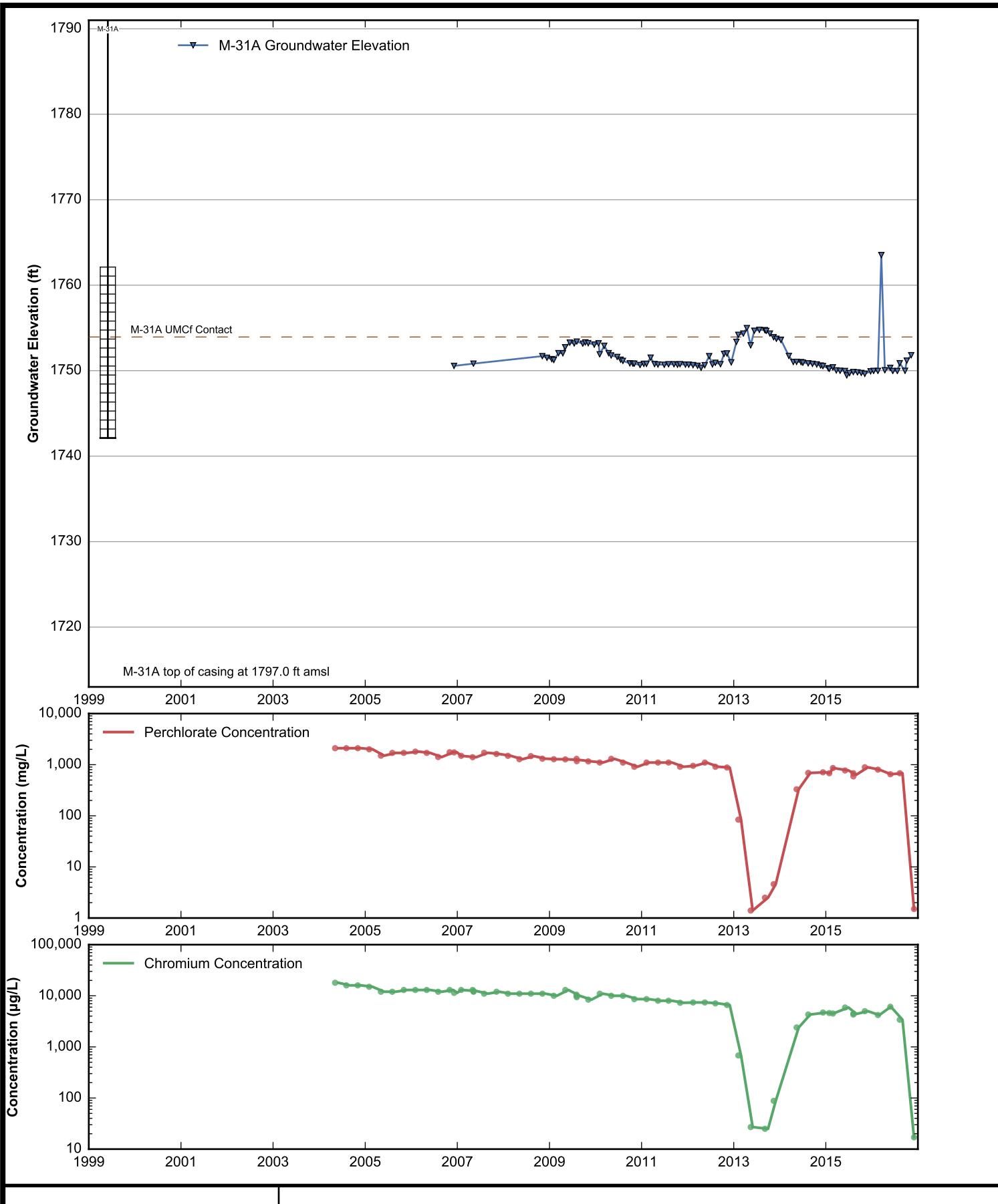
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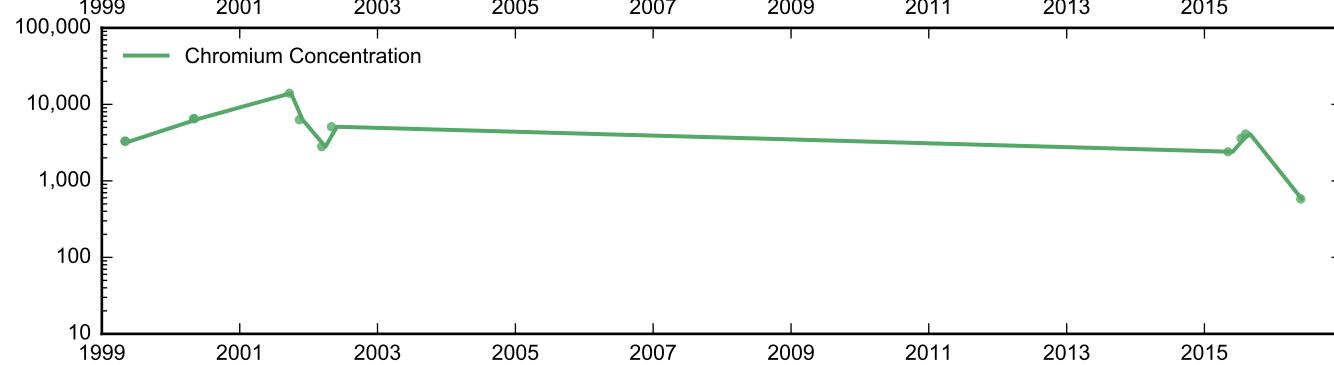
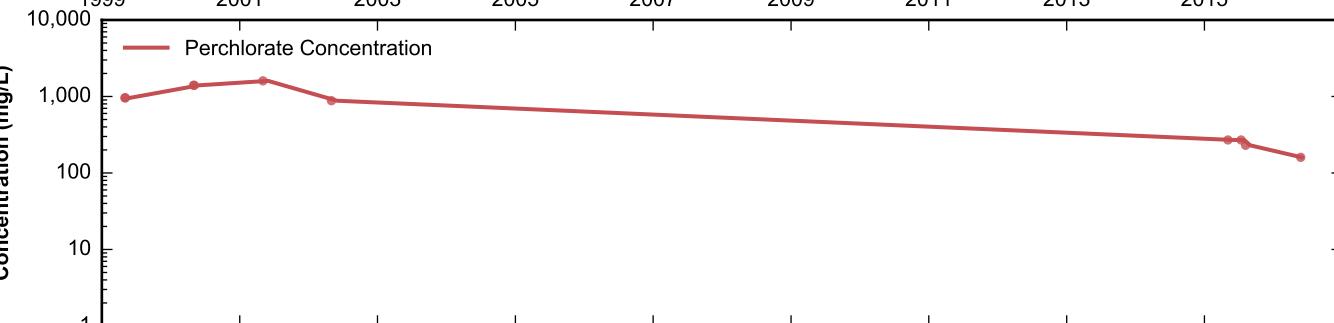
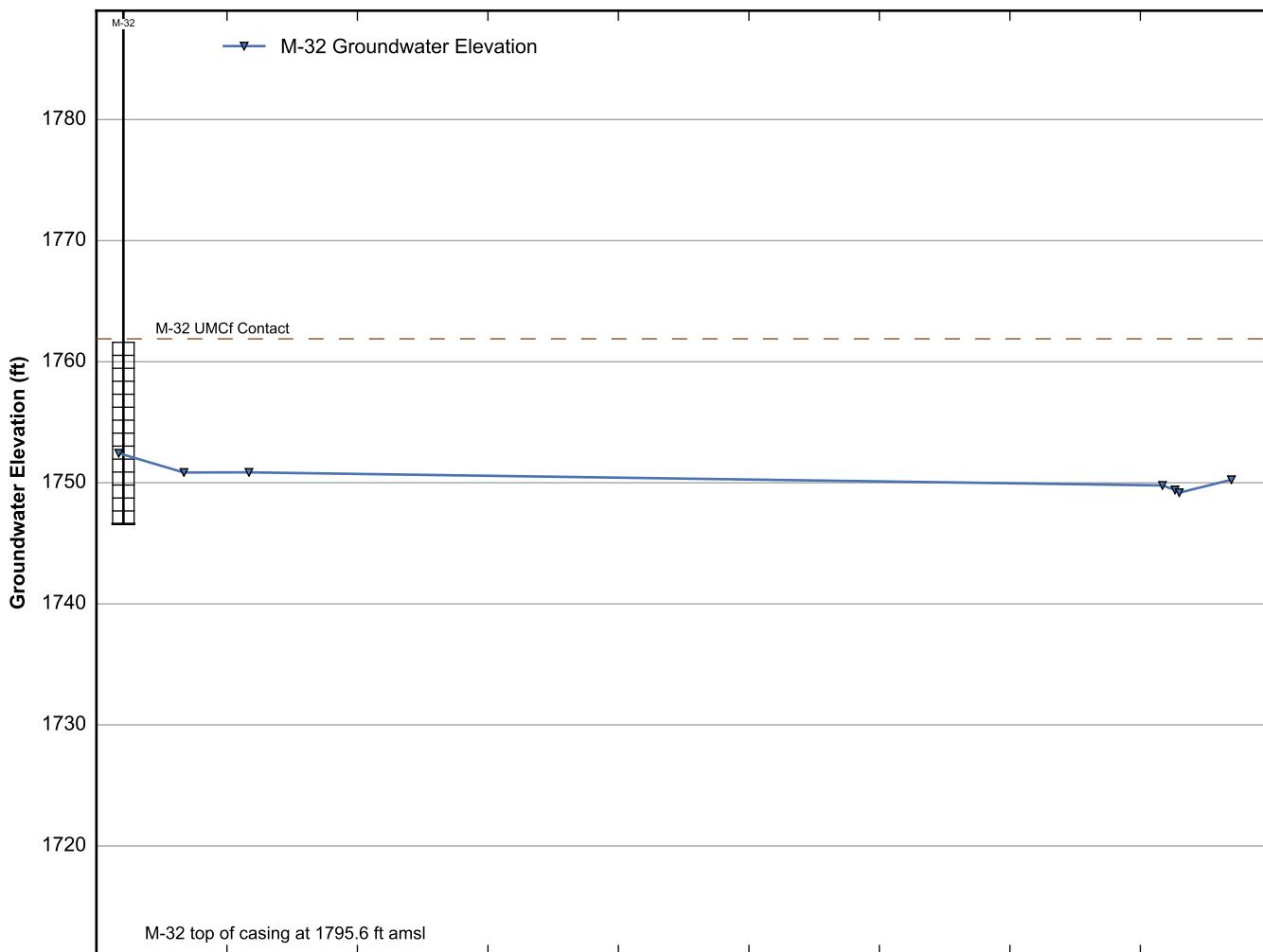
Data Sheet for Well M-22A
 Nevada Environmental Response Trust Site
 Henderson, Nevada

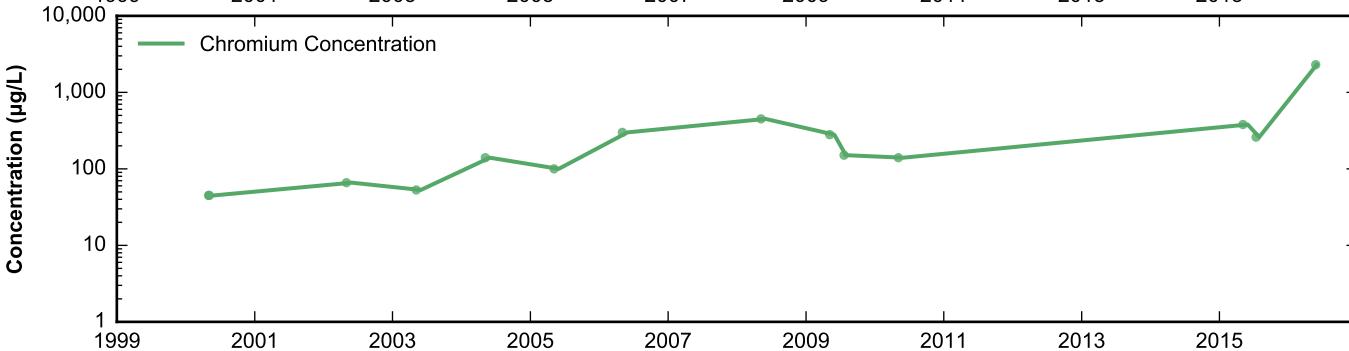
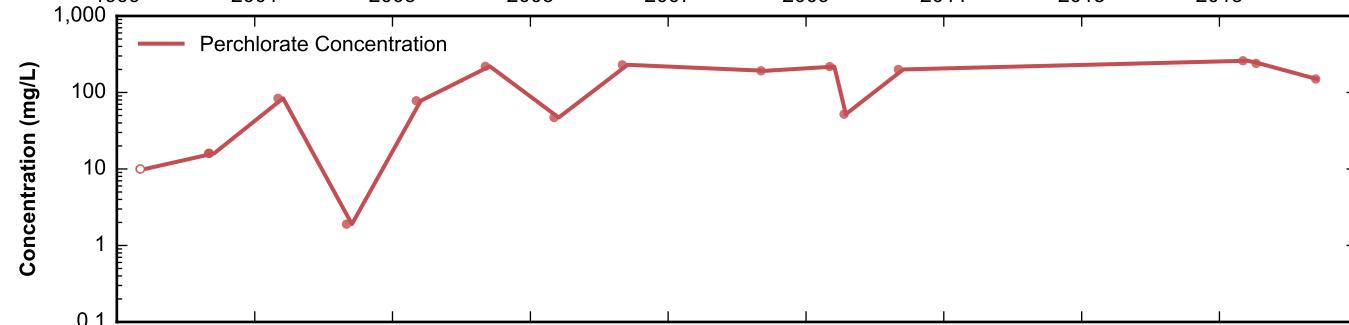
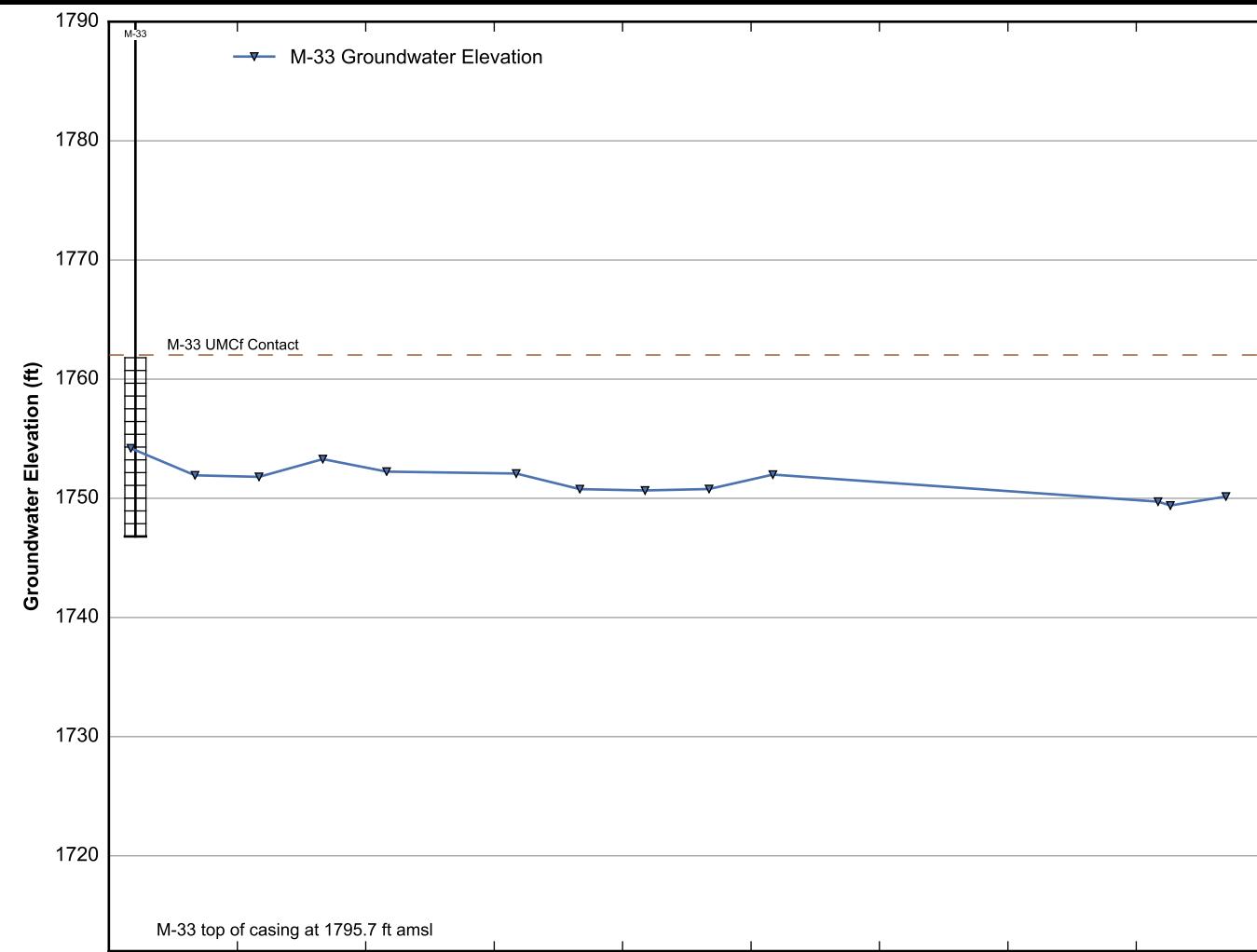


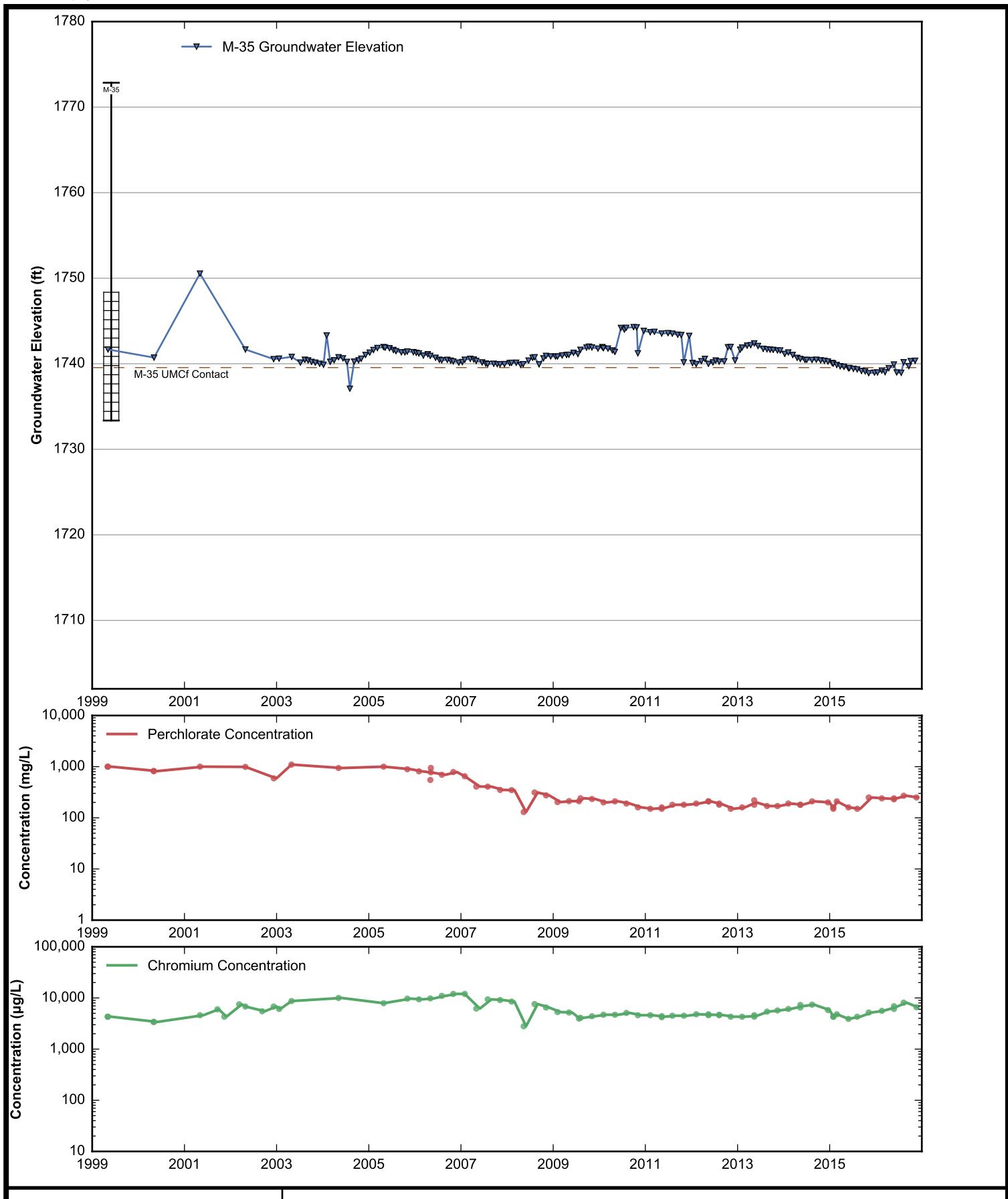


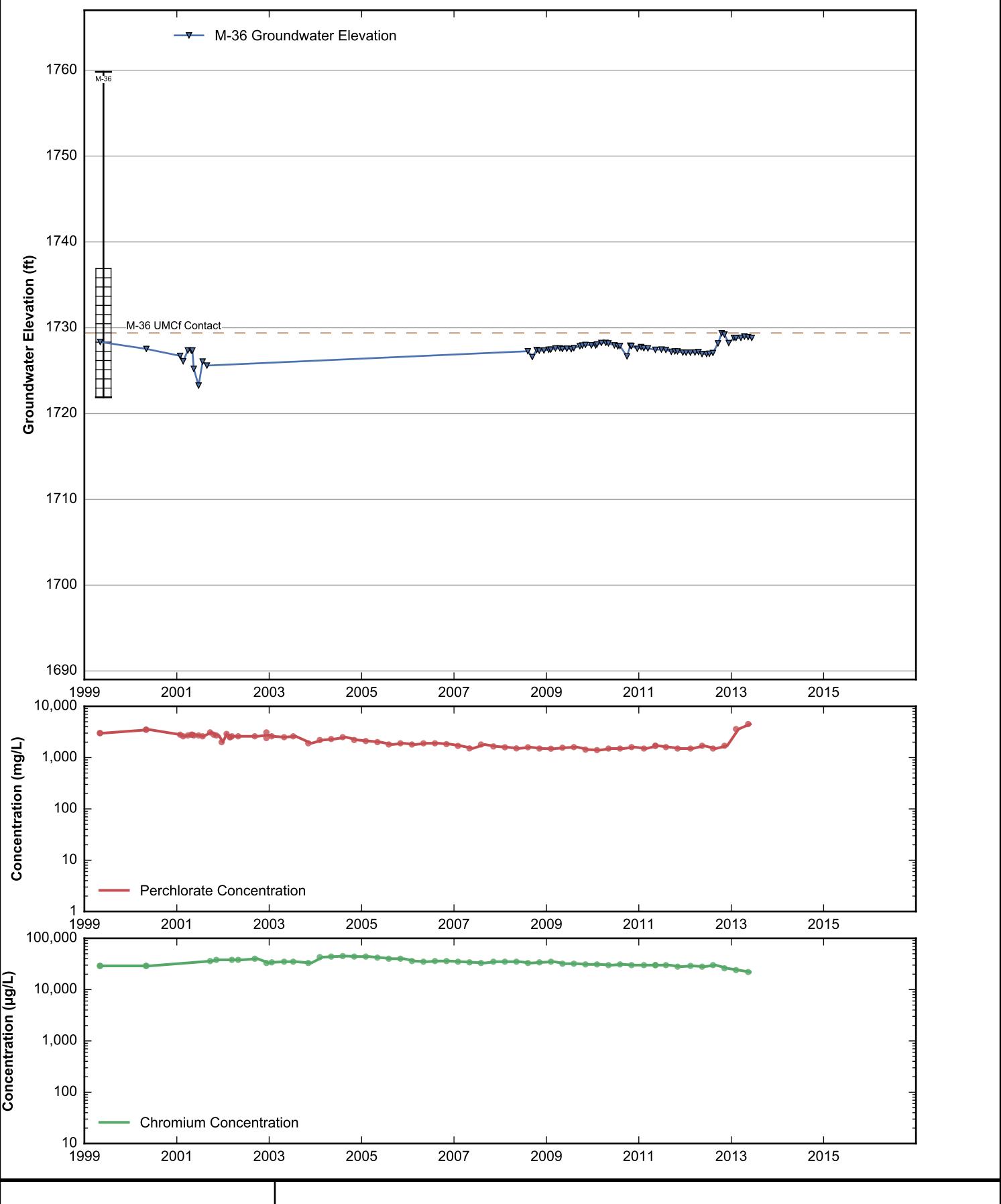




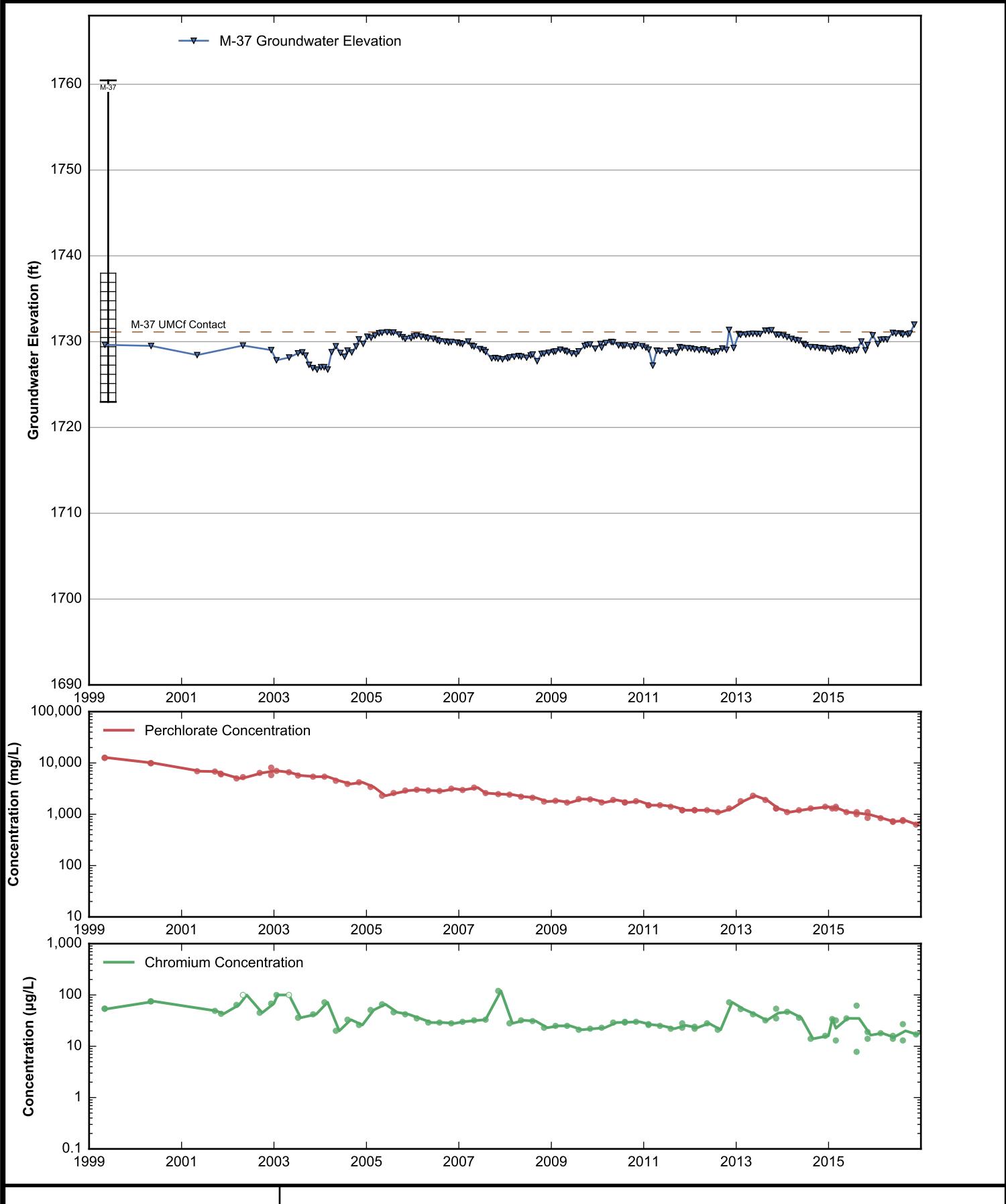




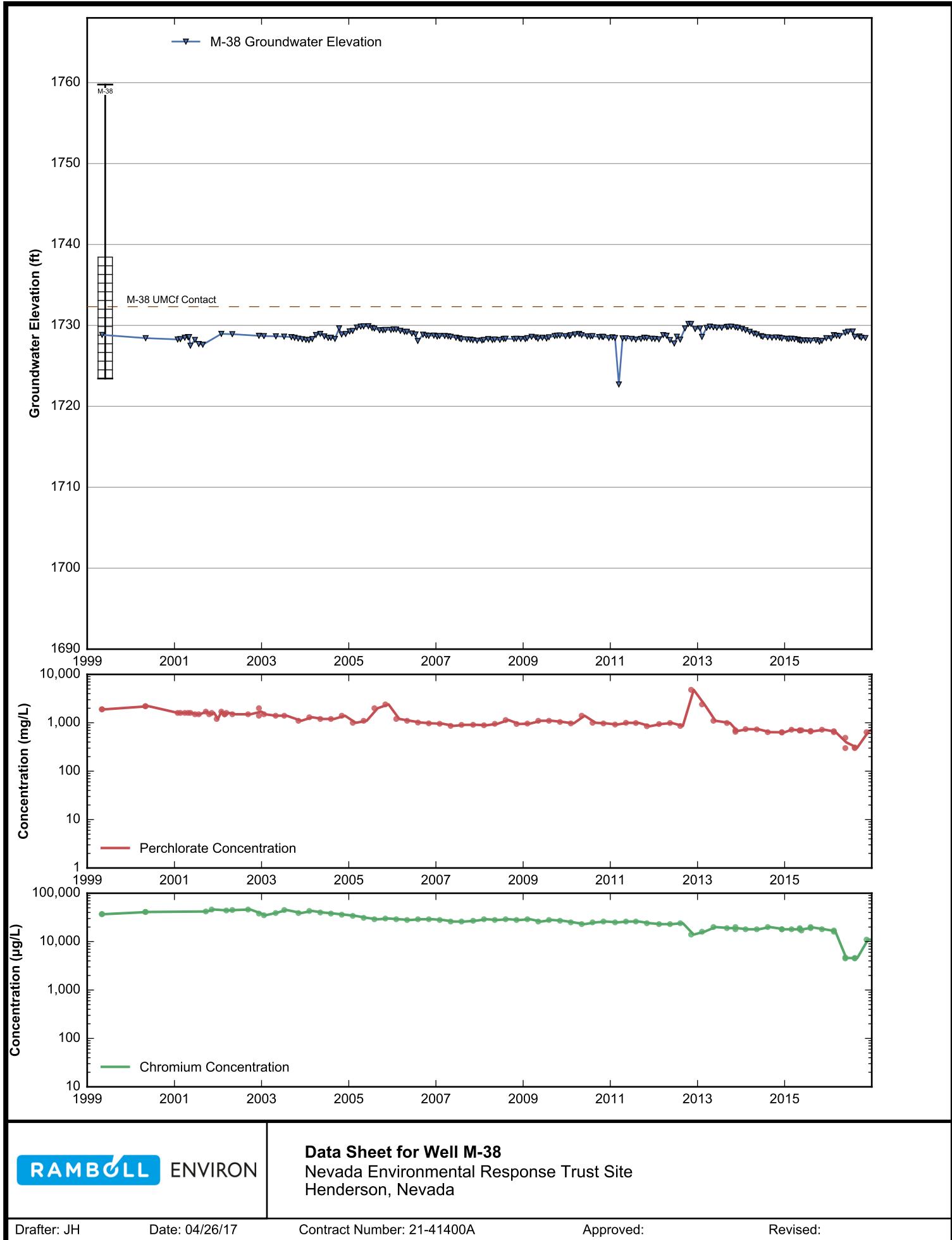


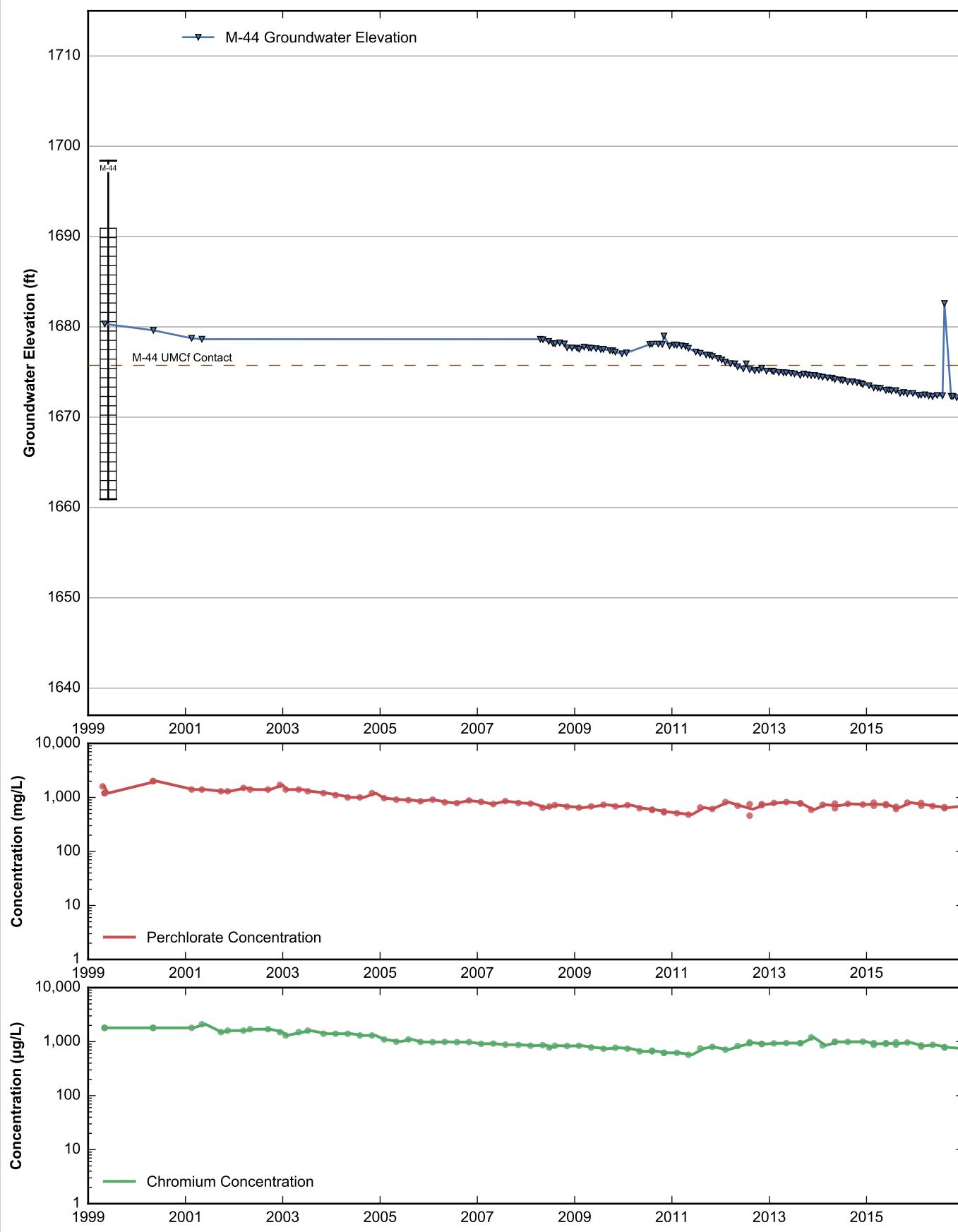
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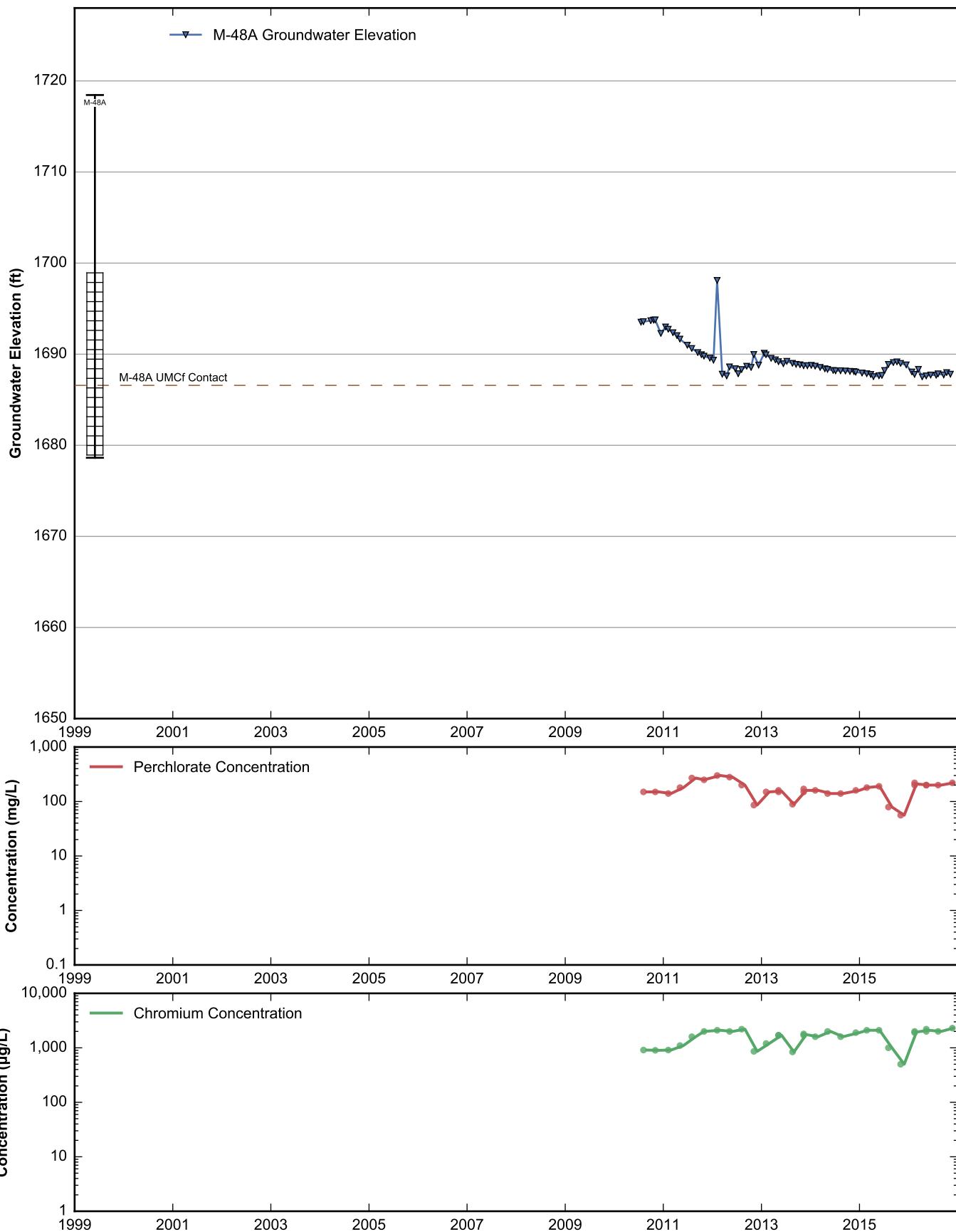
Data Sheet for Well M-36
 Nevada Environmental Response Trust Site
 Henderson, Nevada

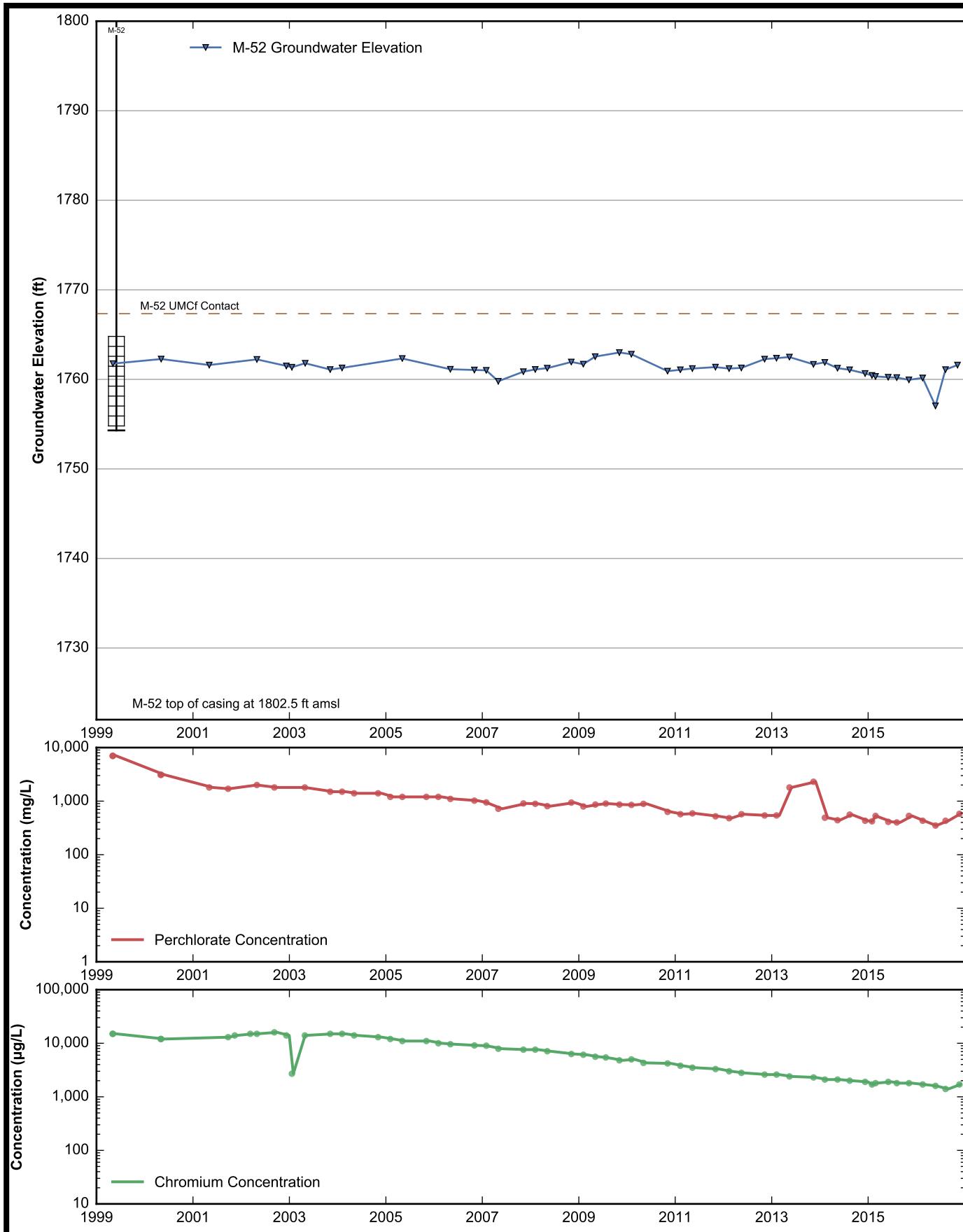
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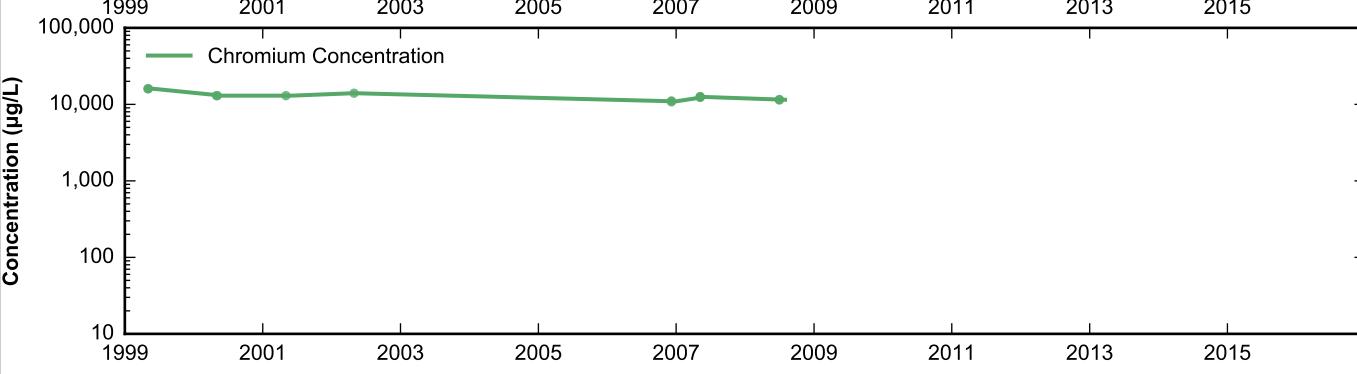
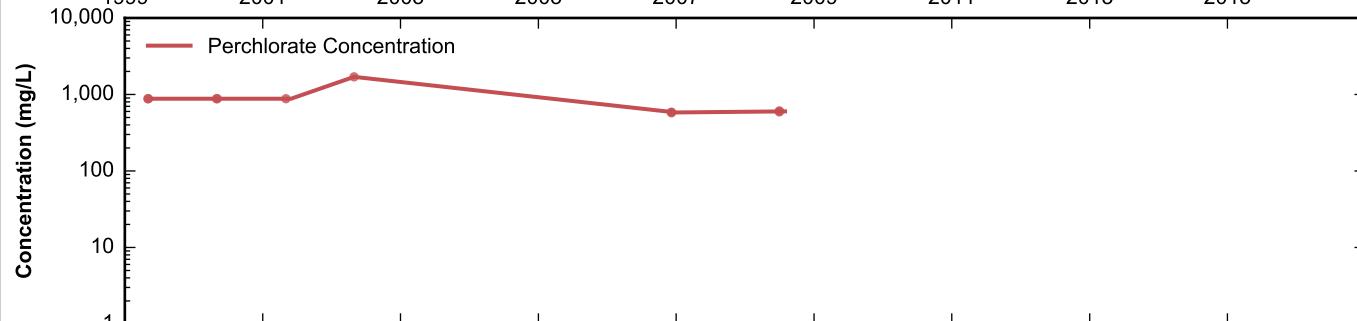
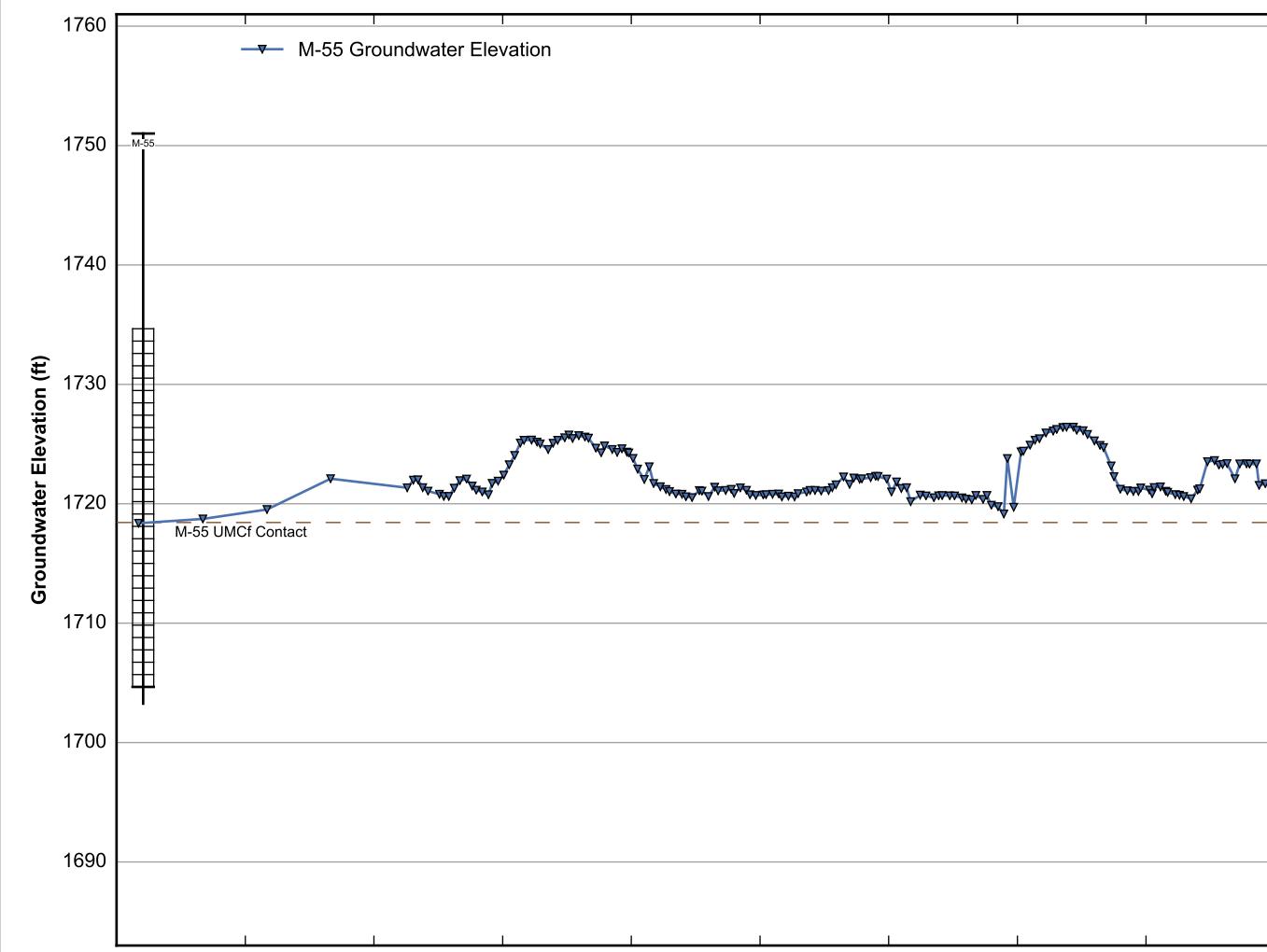
Data Sheet for Well M-37
 Nevada Environmental Response Trust Site
 Henderson, Nevada







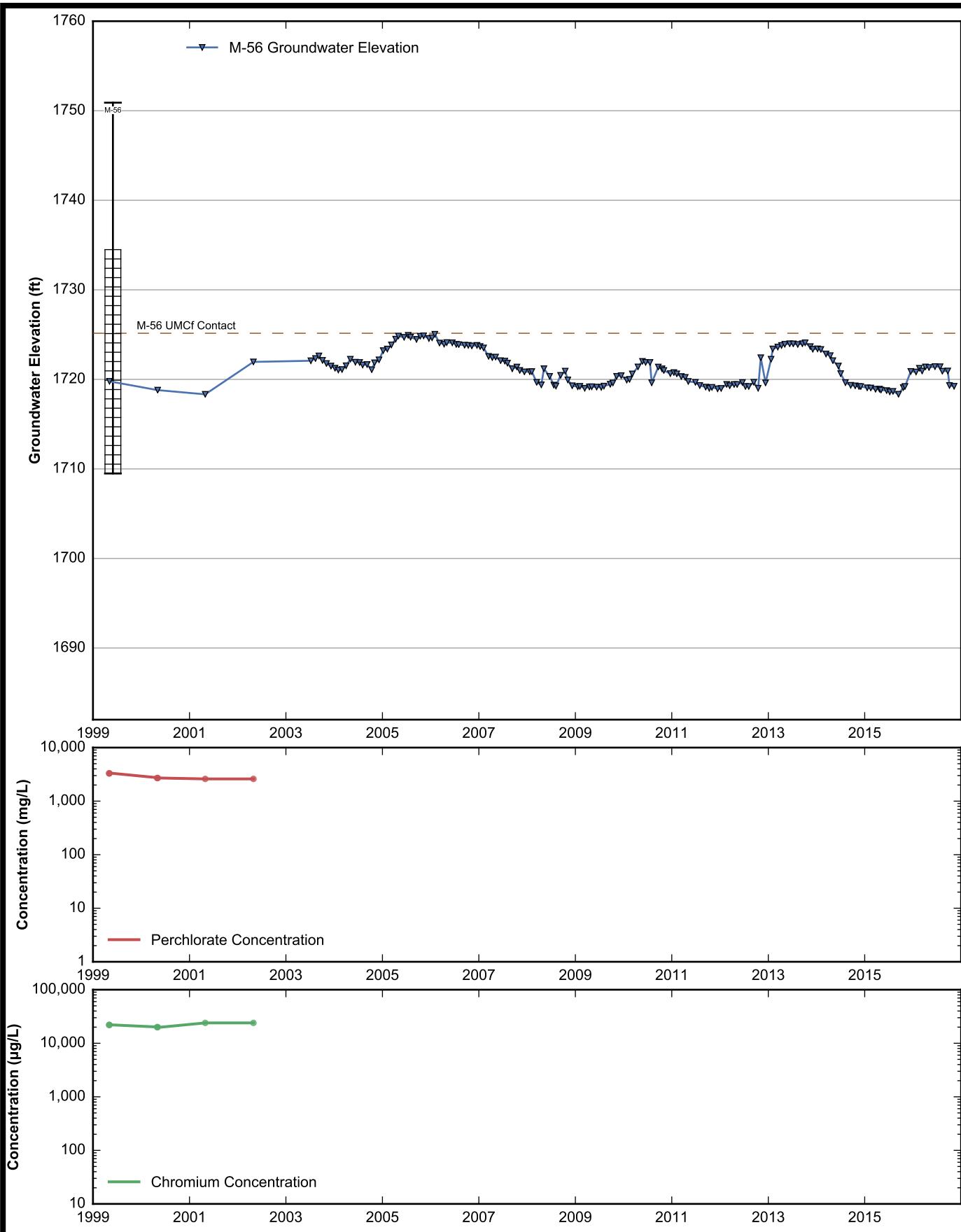




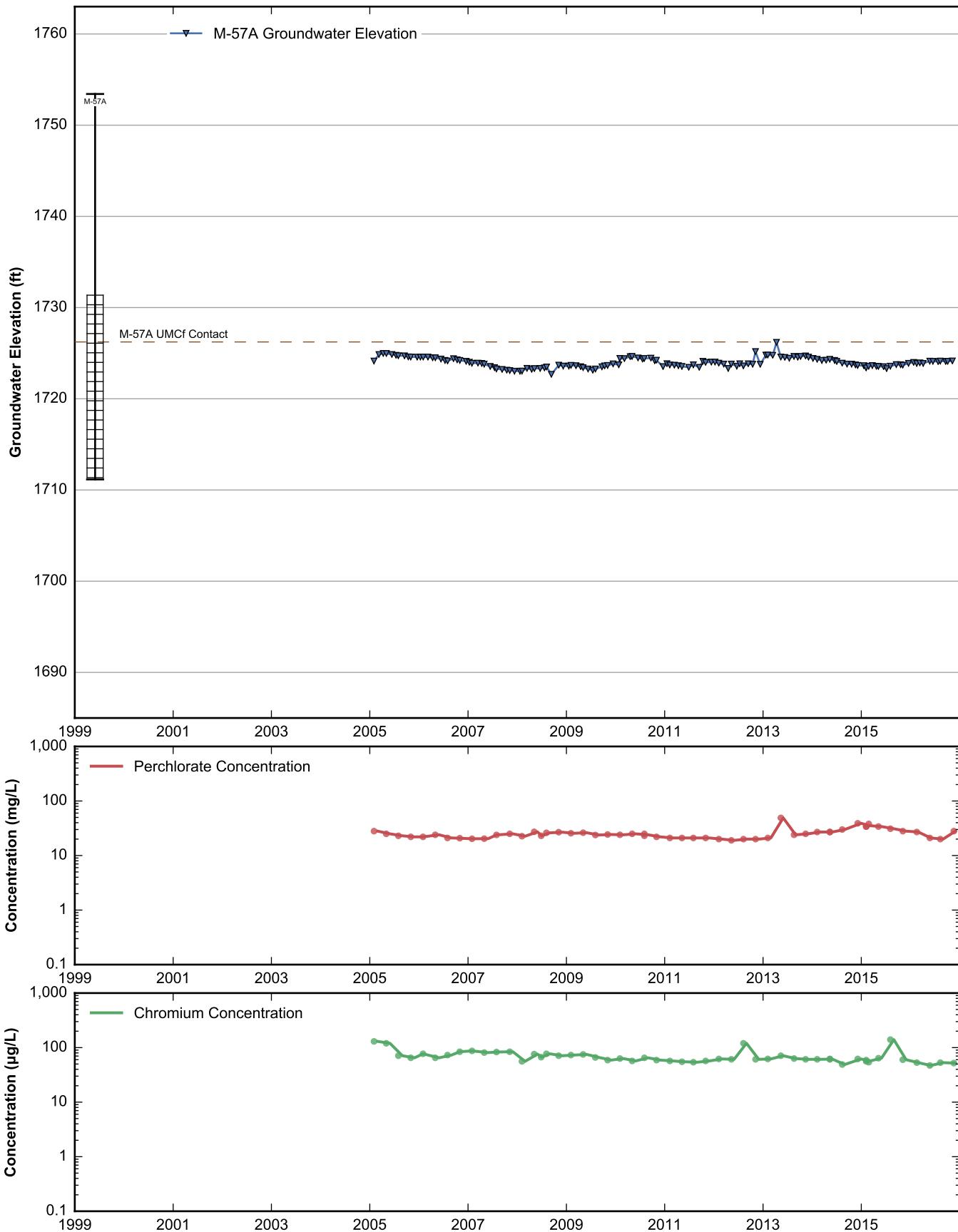
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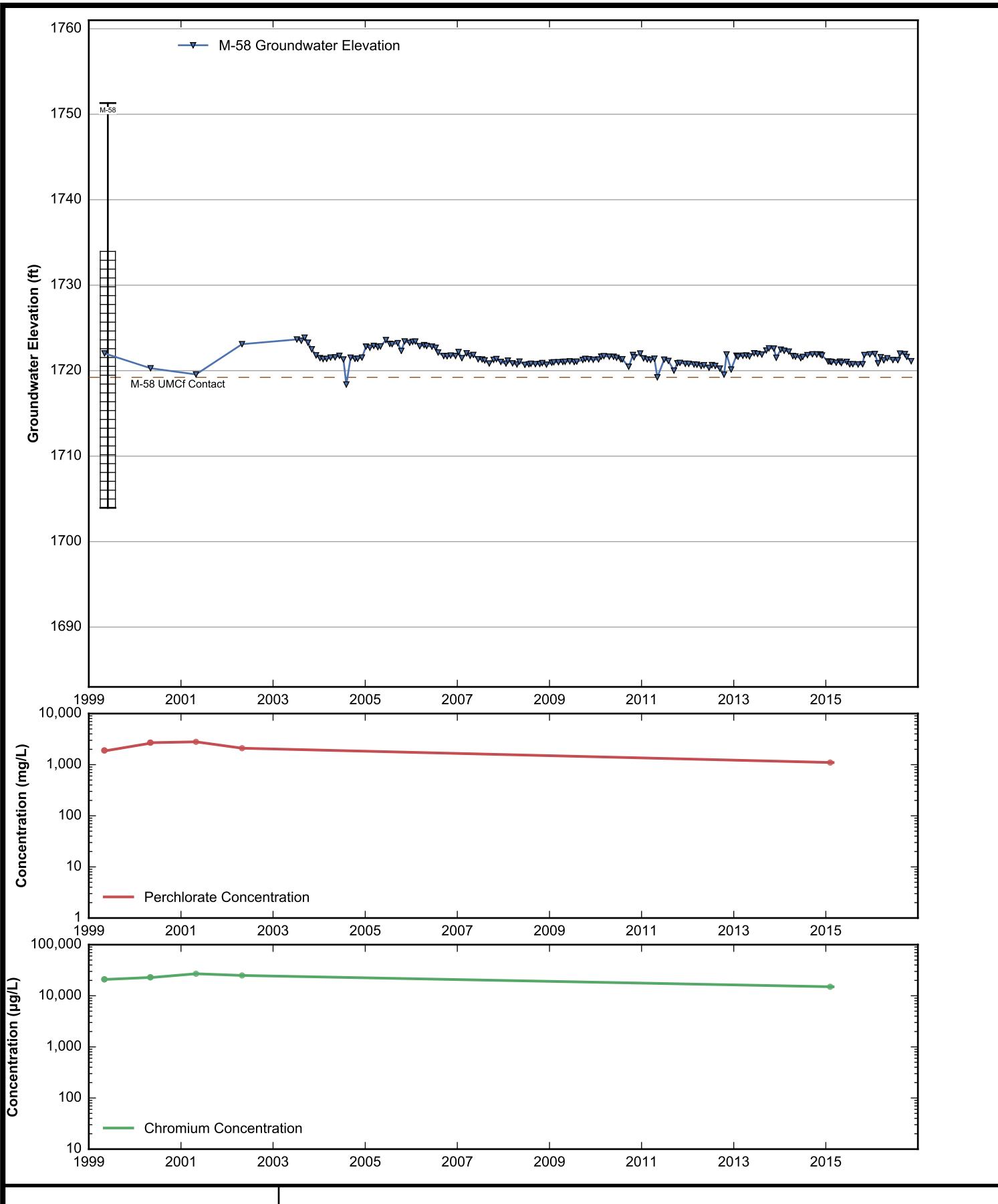
Data Sheet for Well M-55

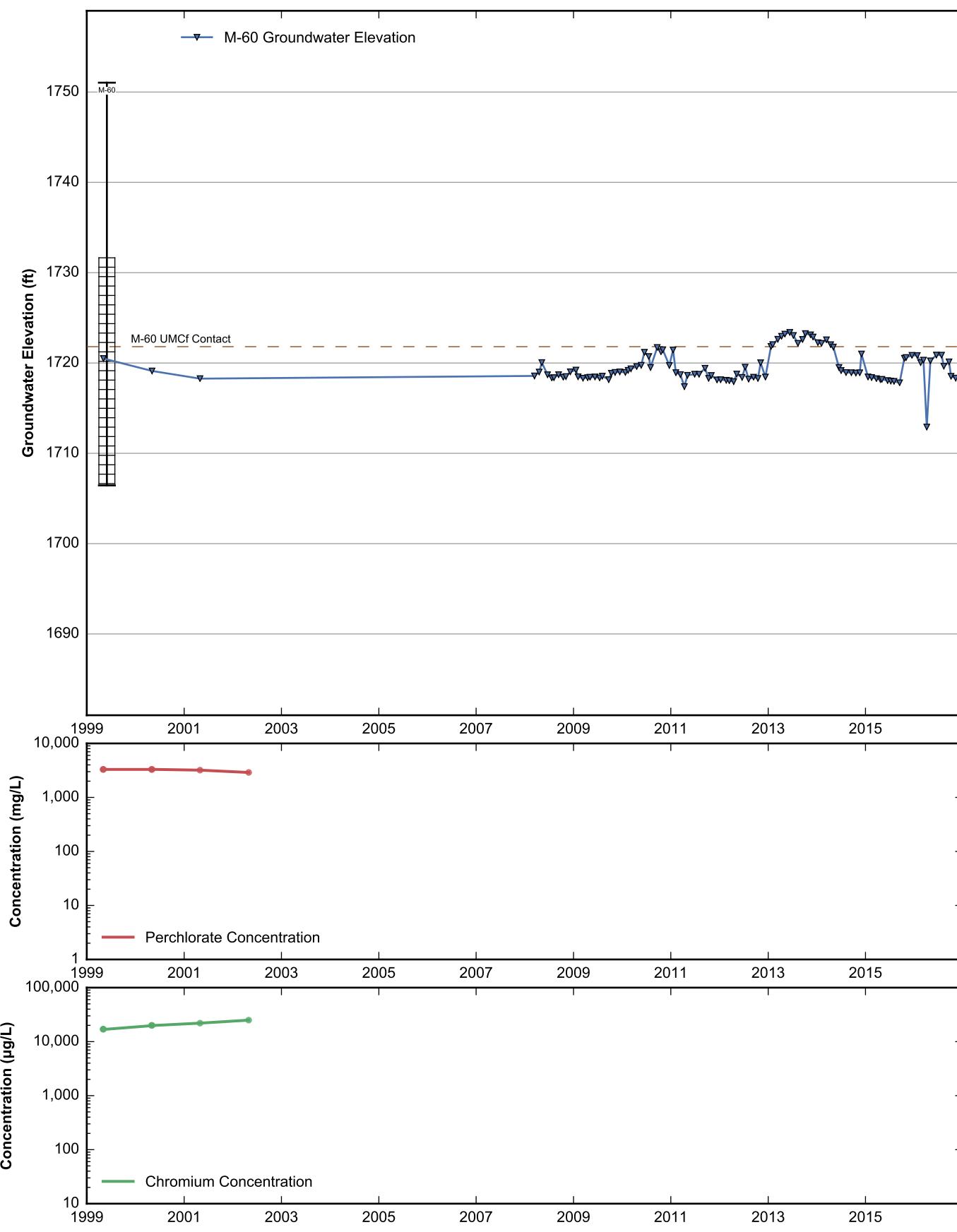
Nevada Environmental Response Trust Site
Henderson, Nevada

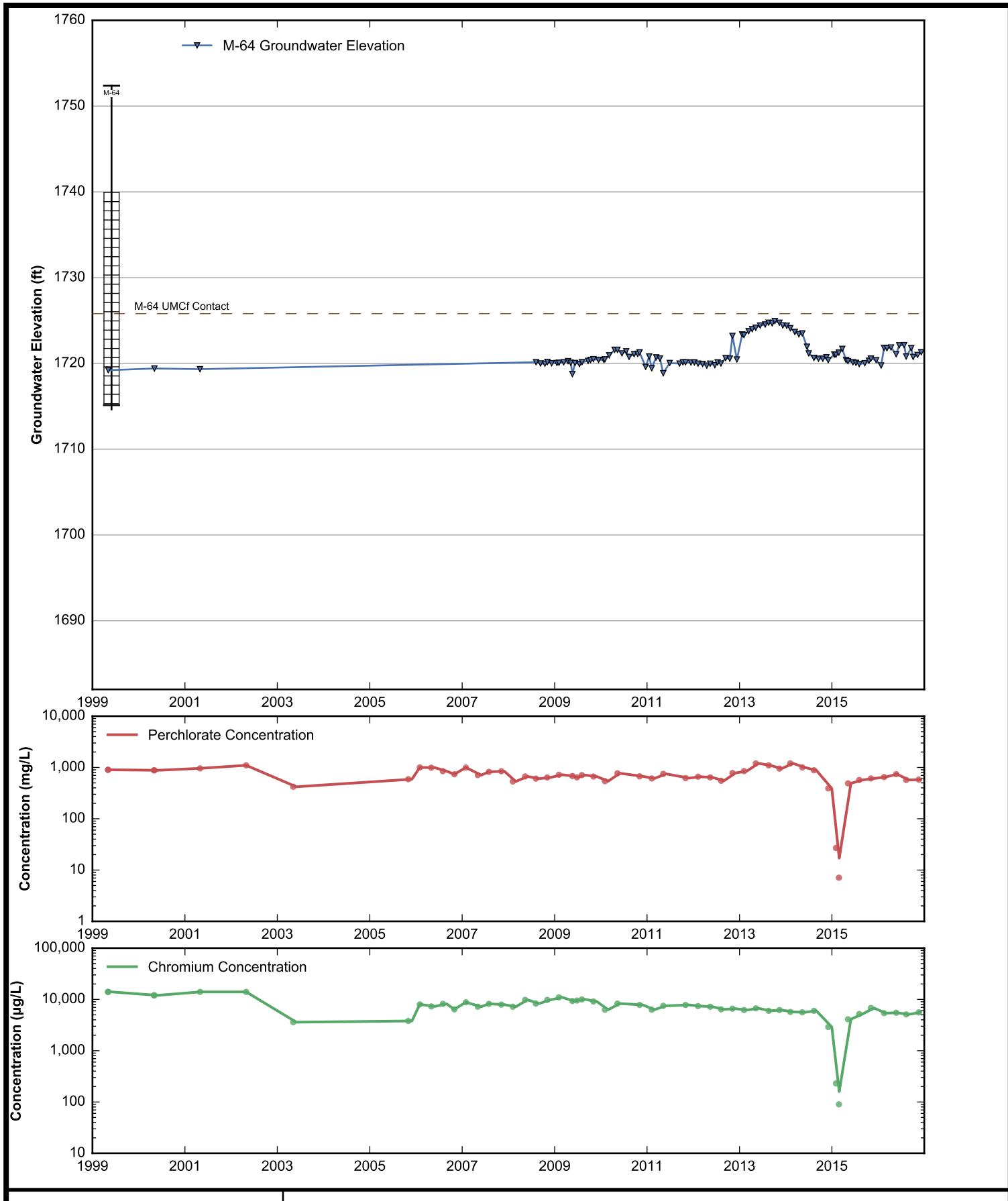
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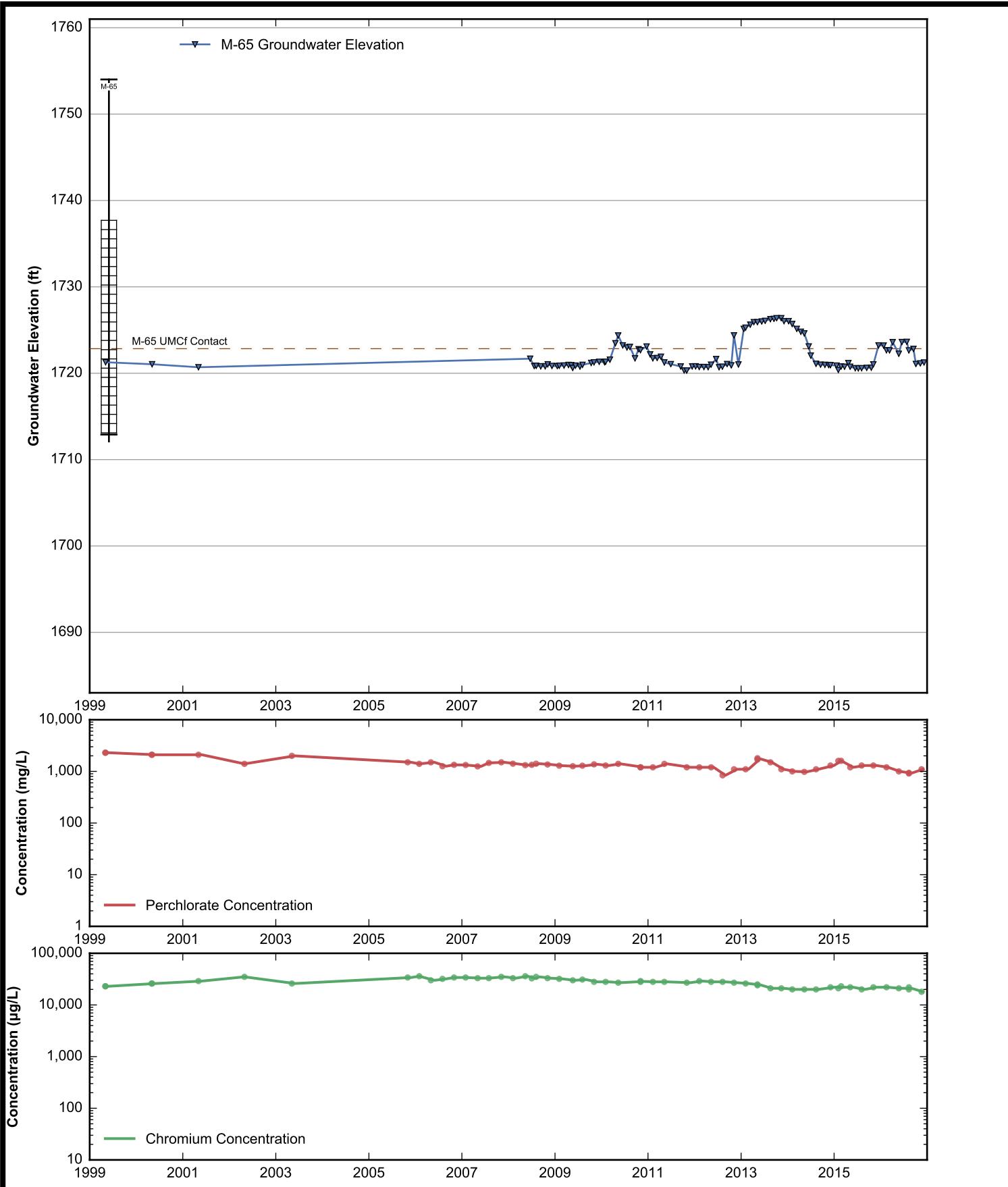
Data Sheet for Well M-56
 Nevada Environmental Response Trust Site
 Henderson, Nevada



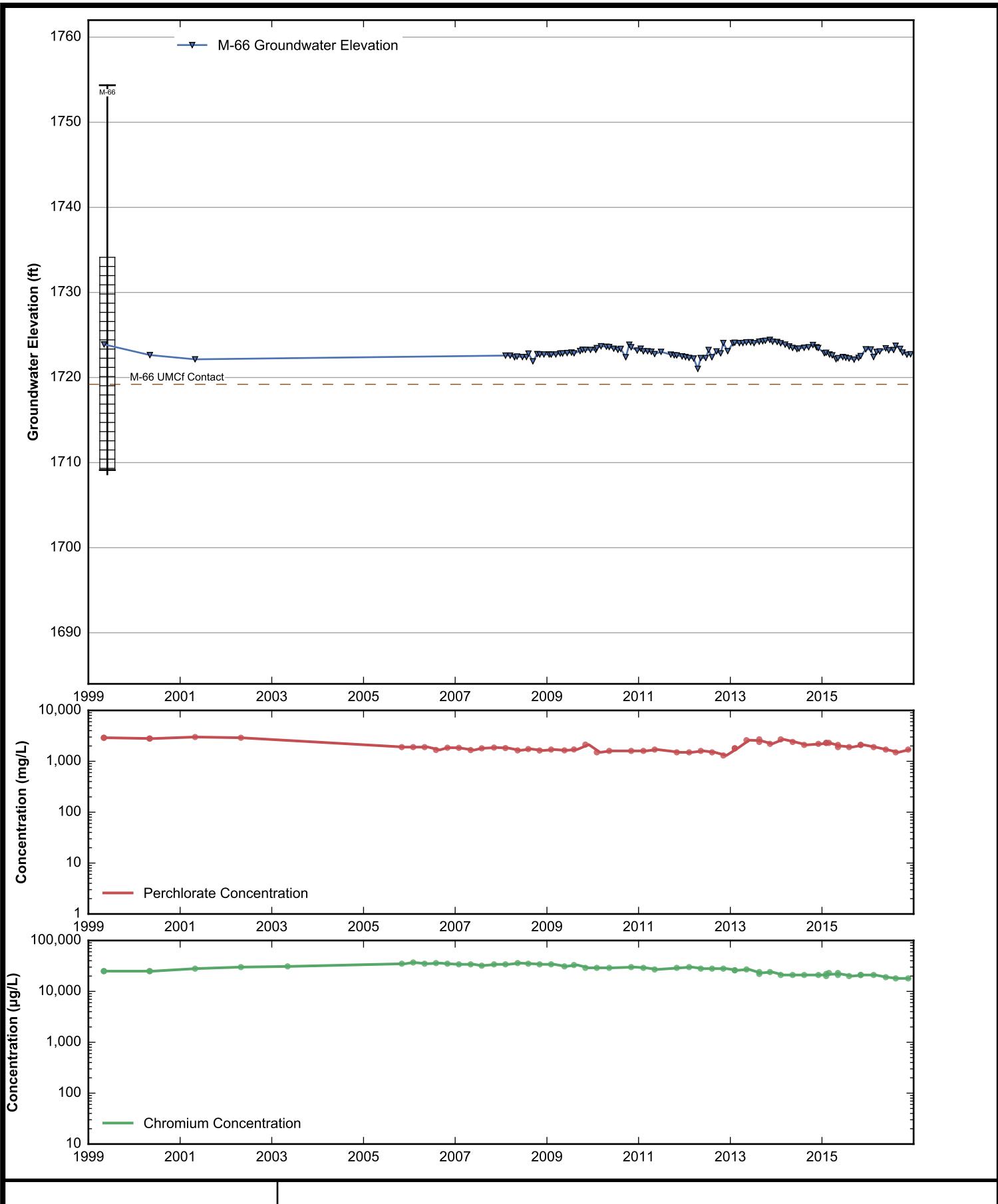


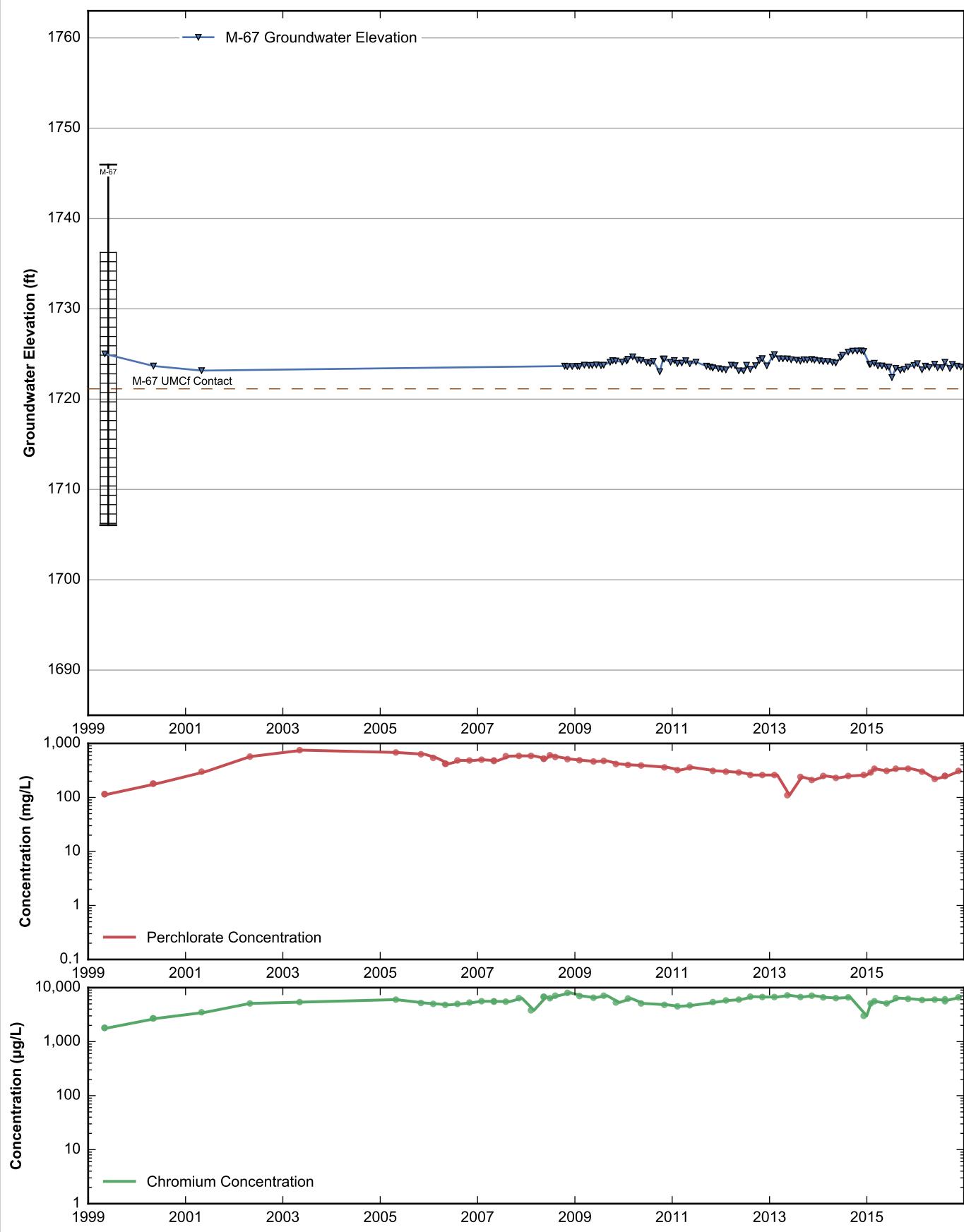


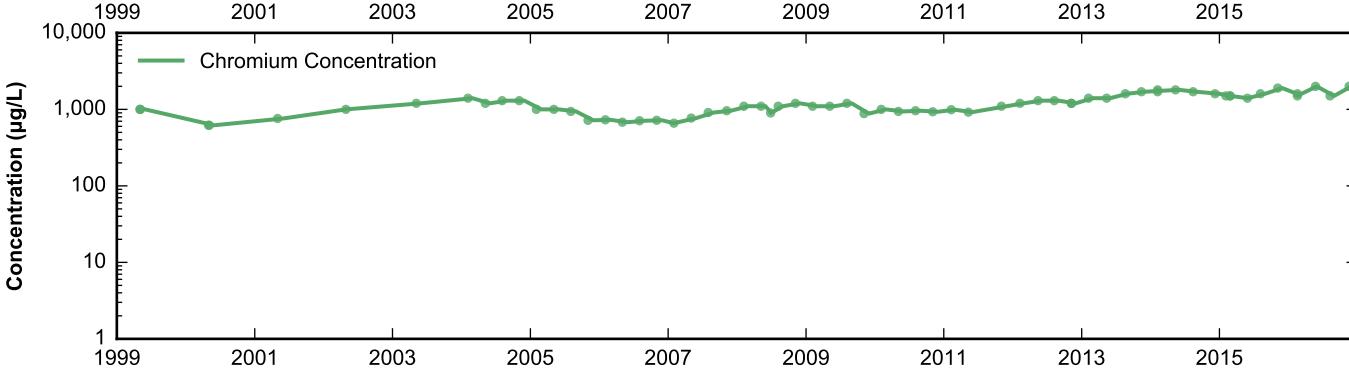
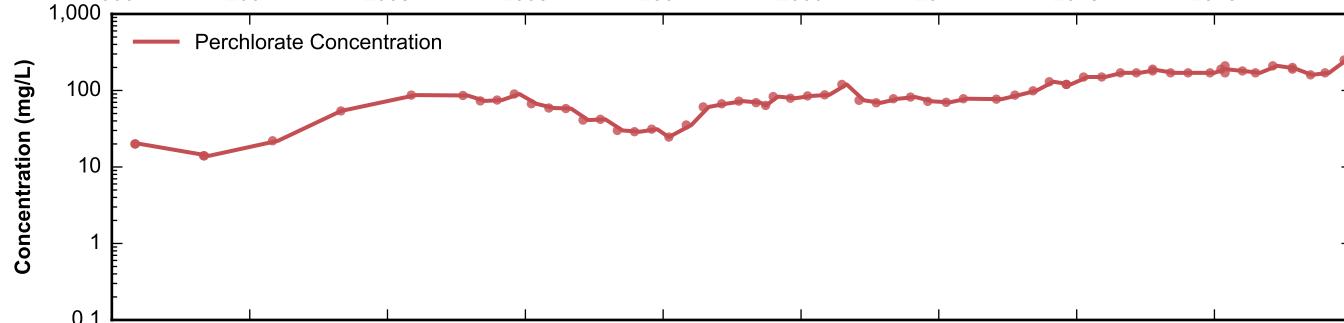
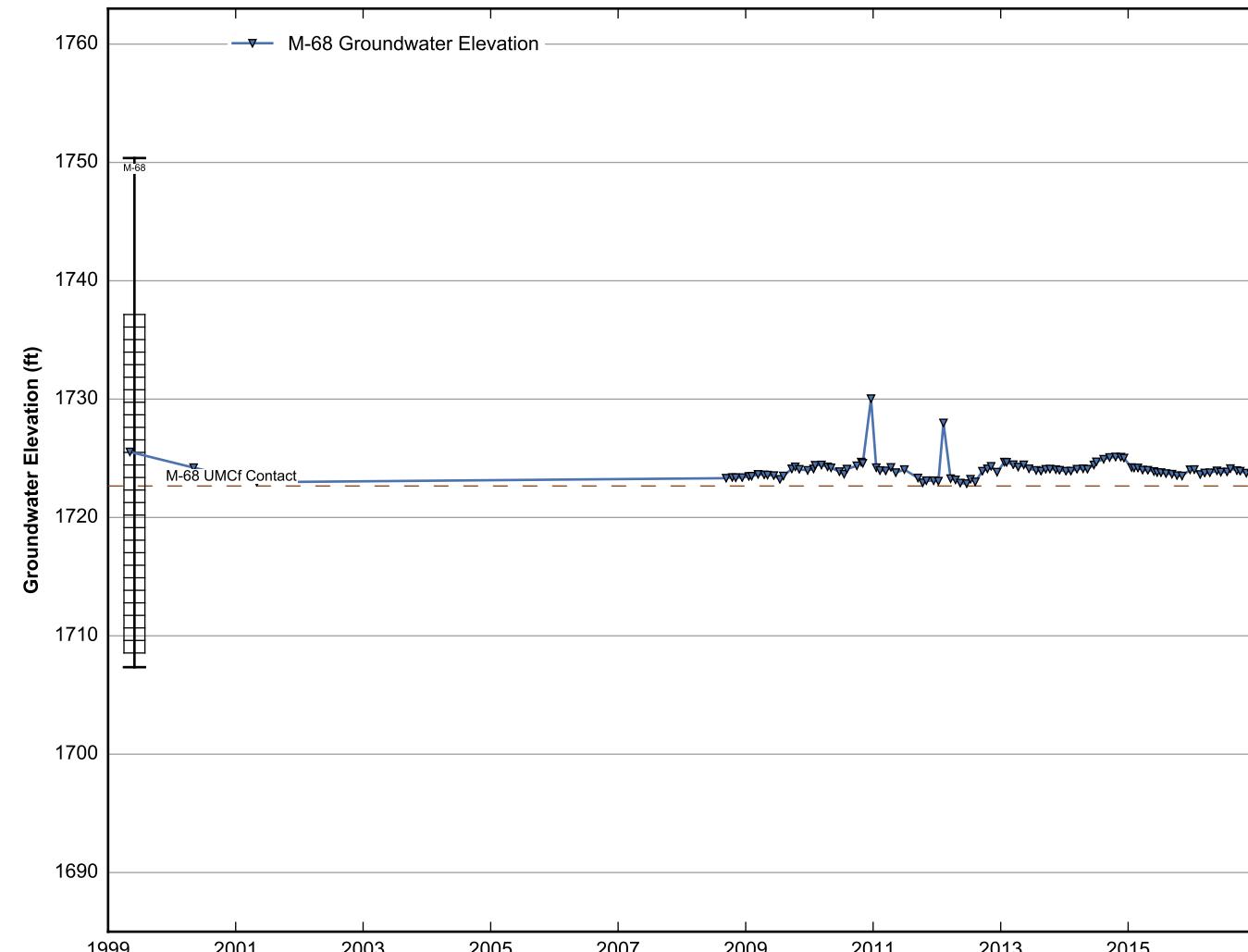


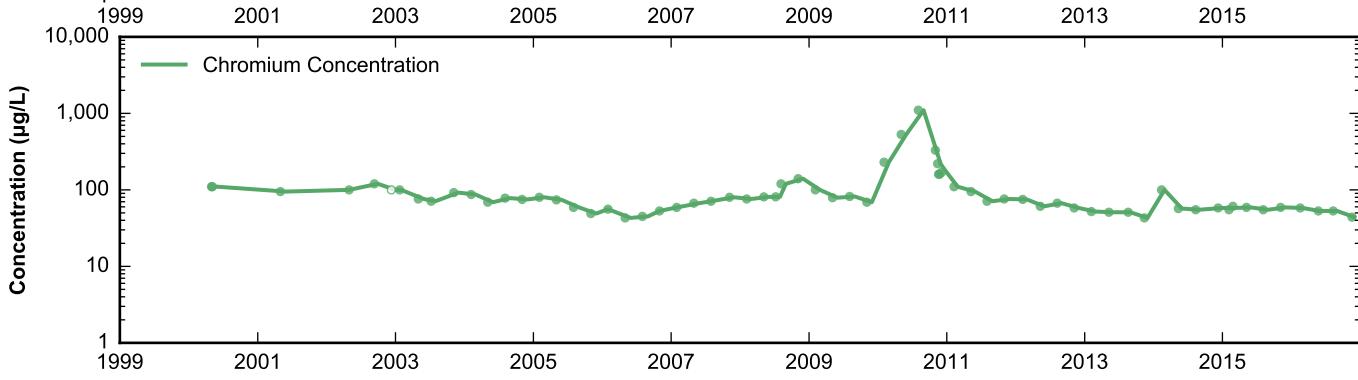
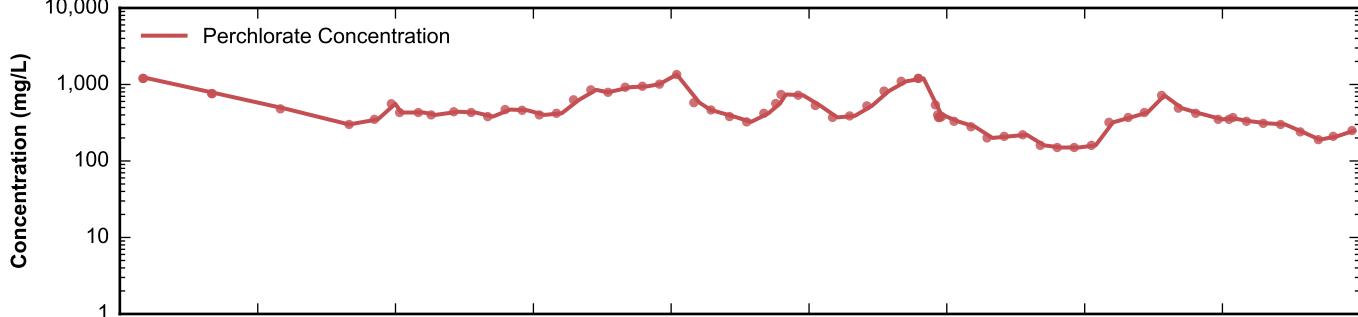
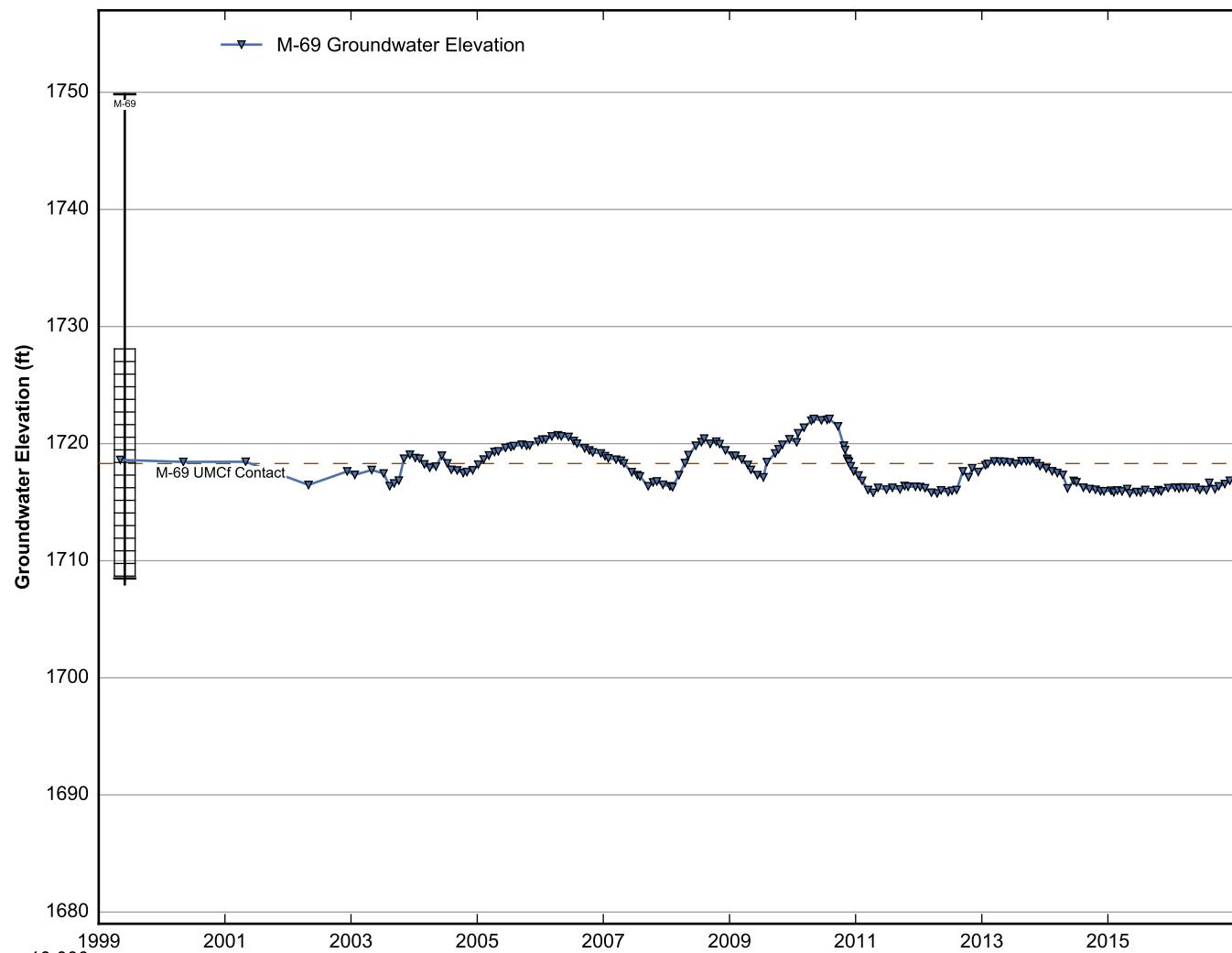
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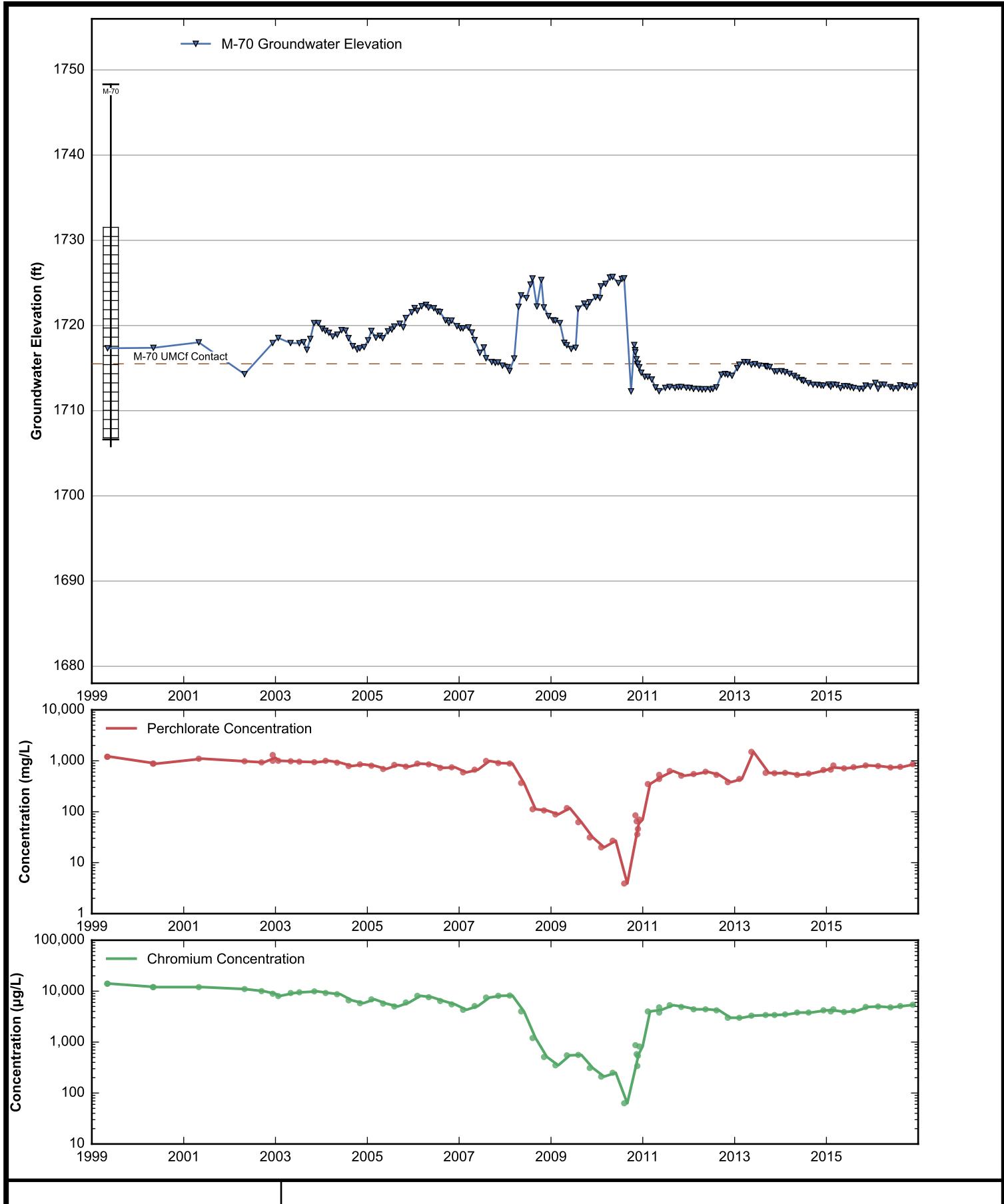
Data Sheet for Well M-65
 Nevada Environmental Response Trust Site
 Henderson, Nevada

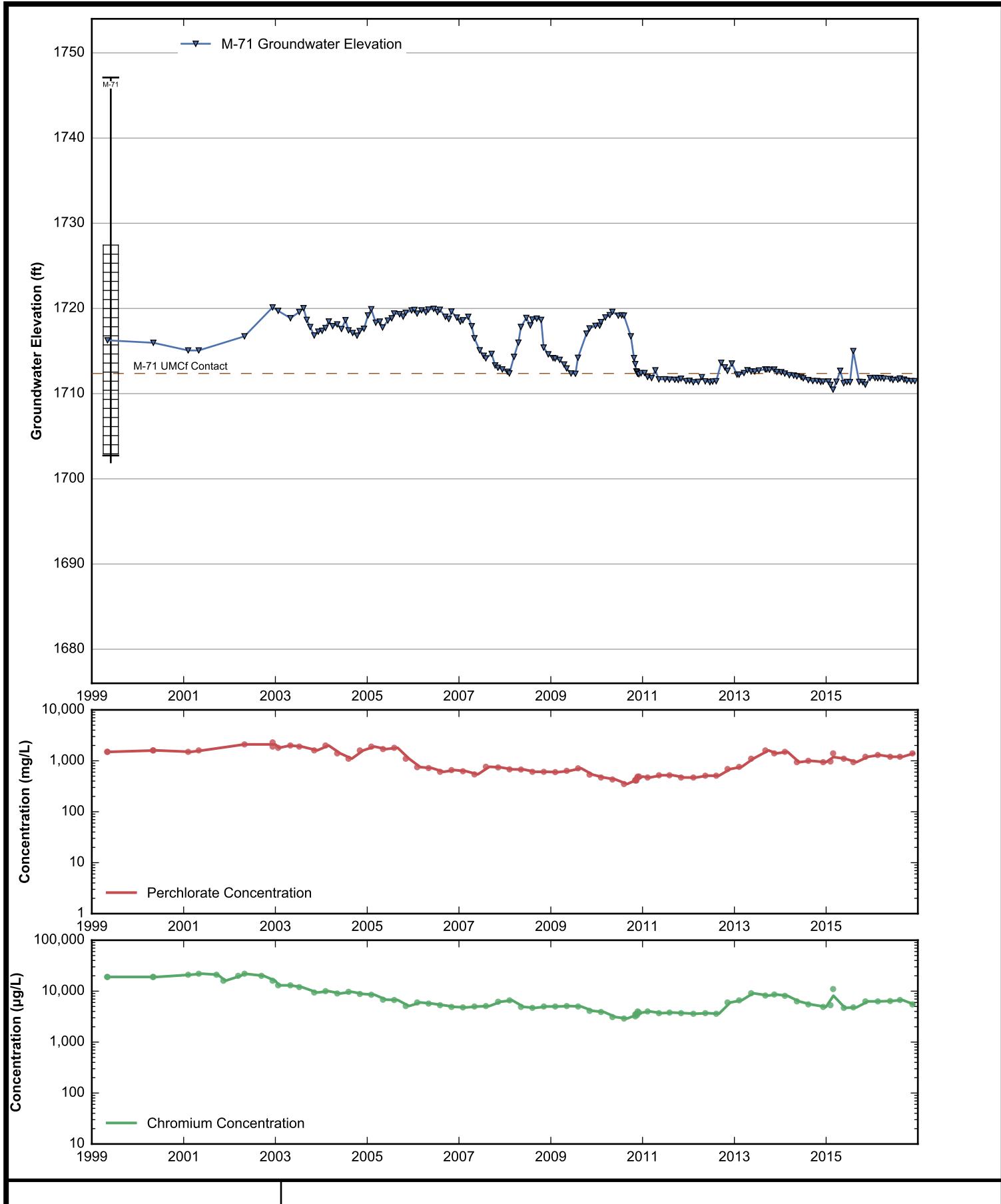




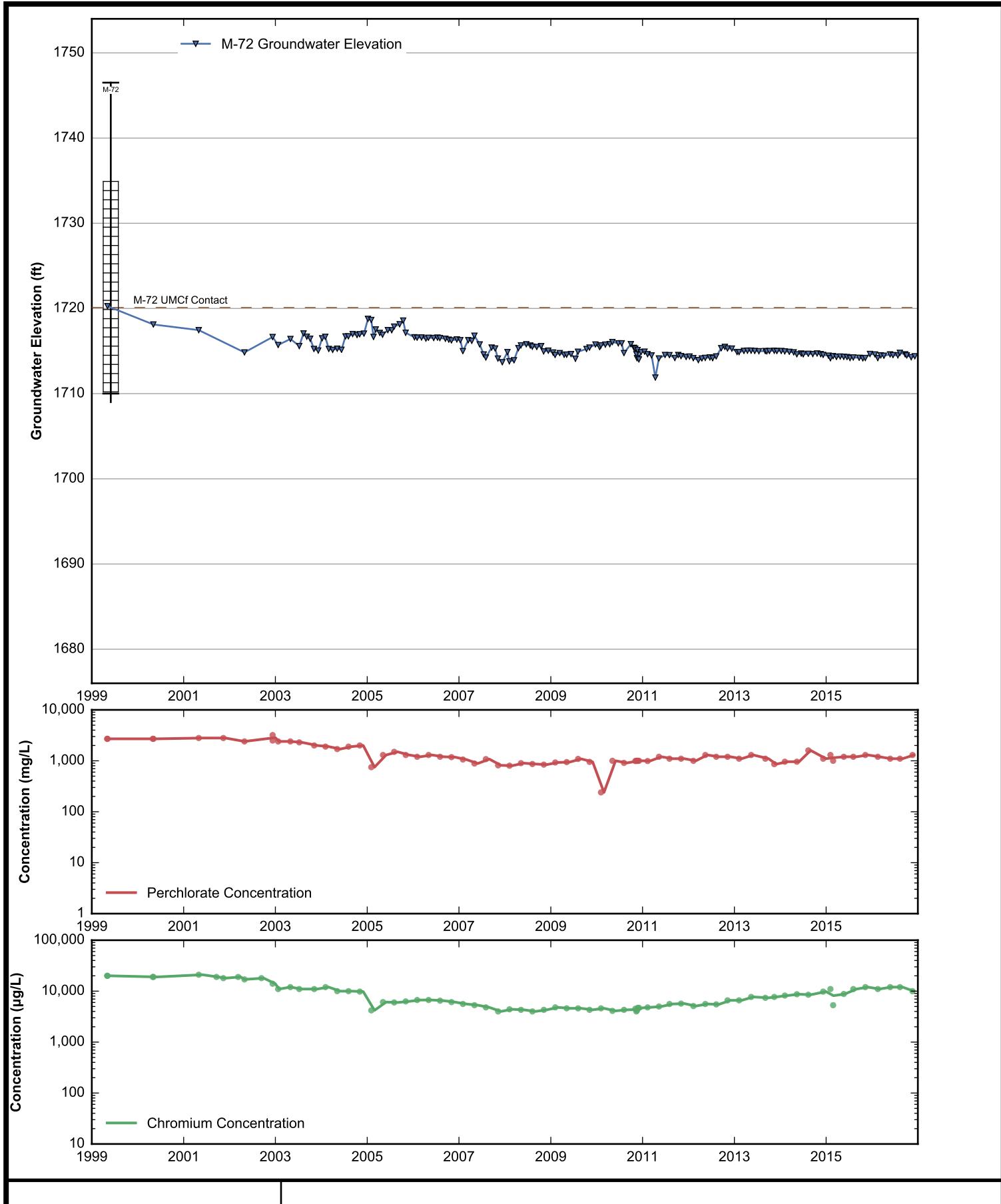






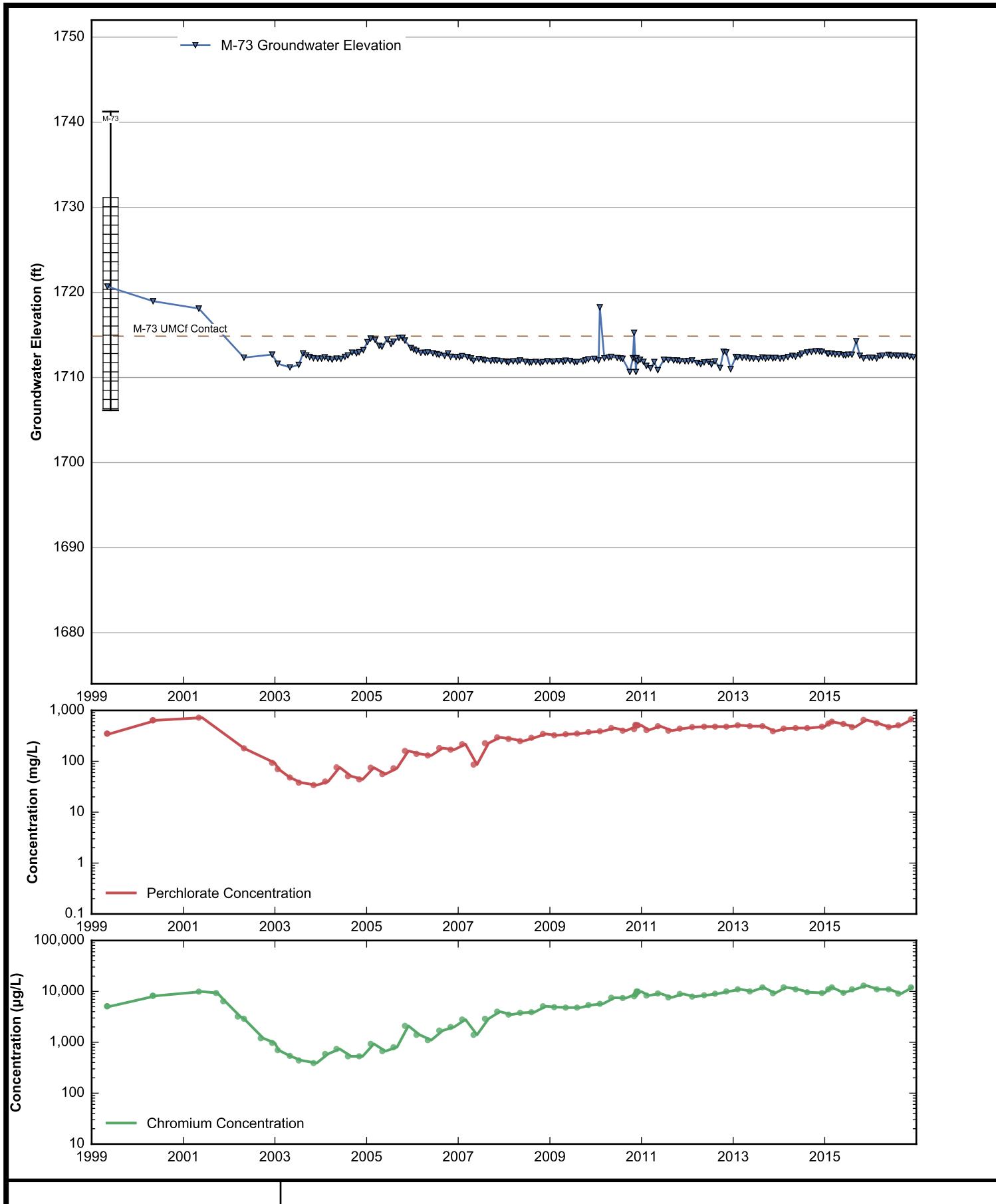
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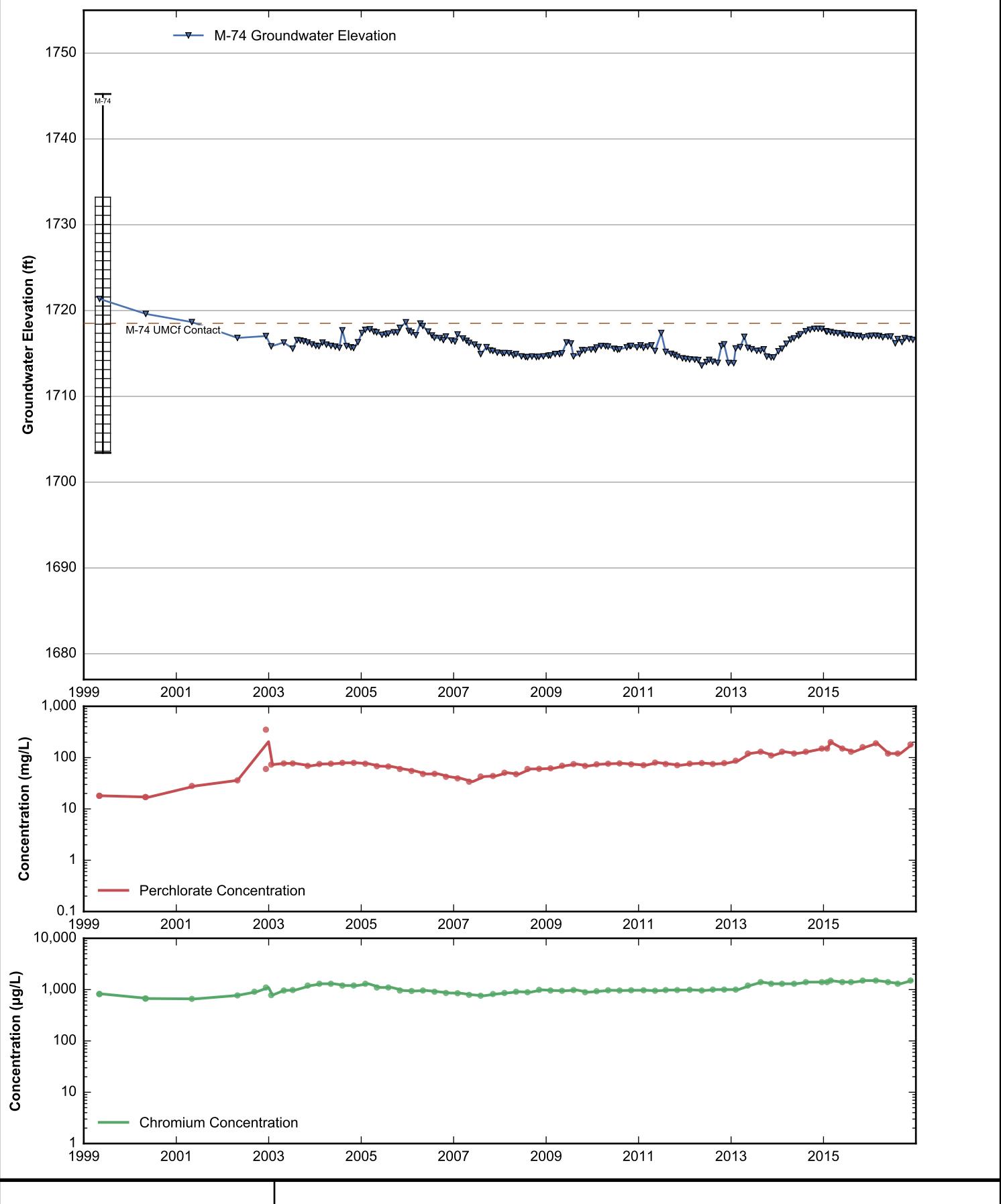
Data Sheet for Well M-71
 Nevada Environmental Response Trust Site
 Henderson, Nevada

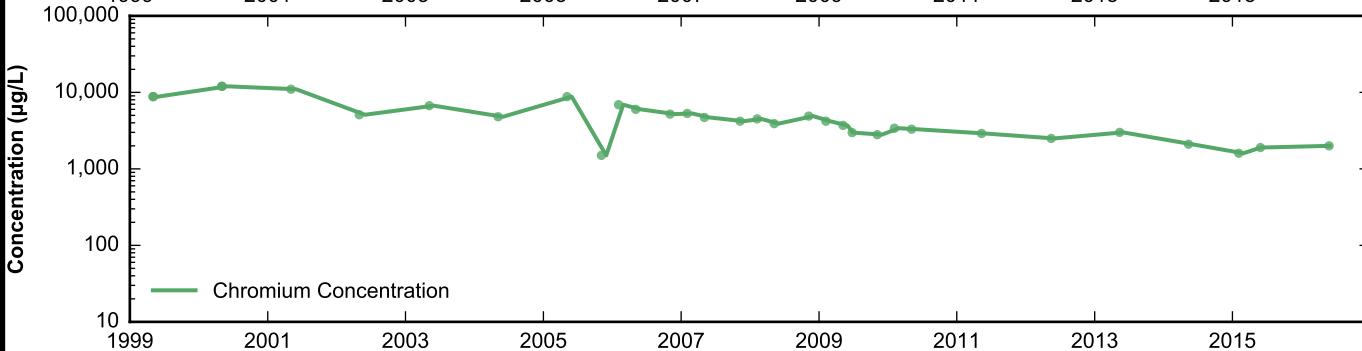
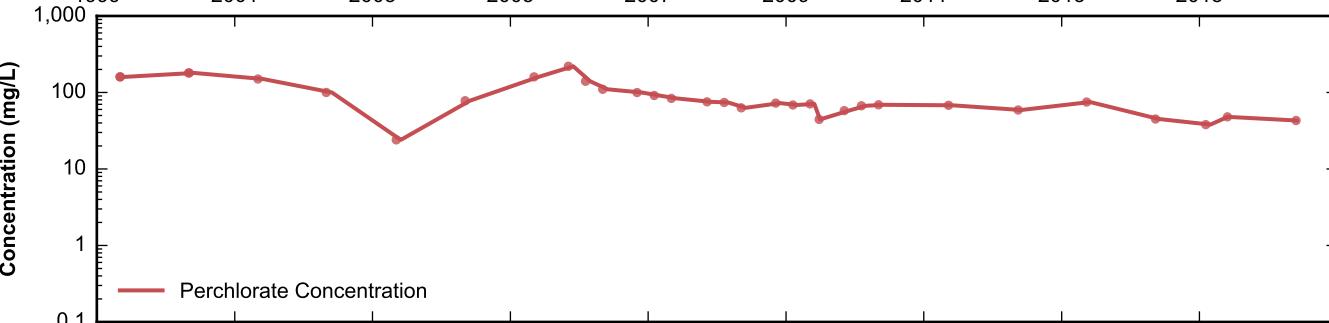
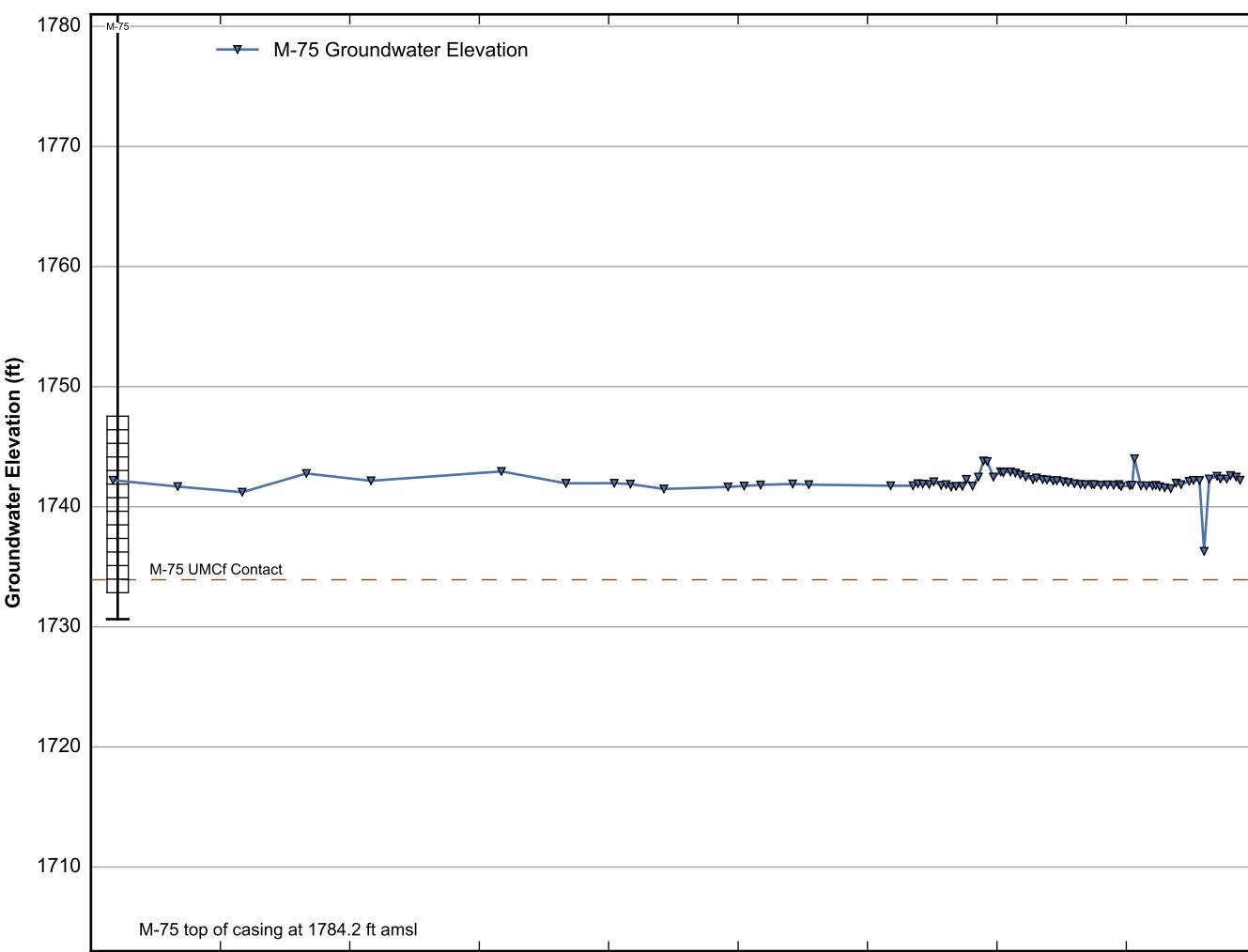

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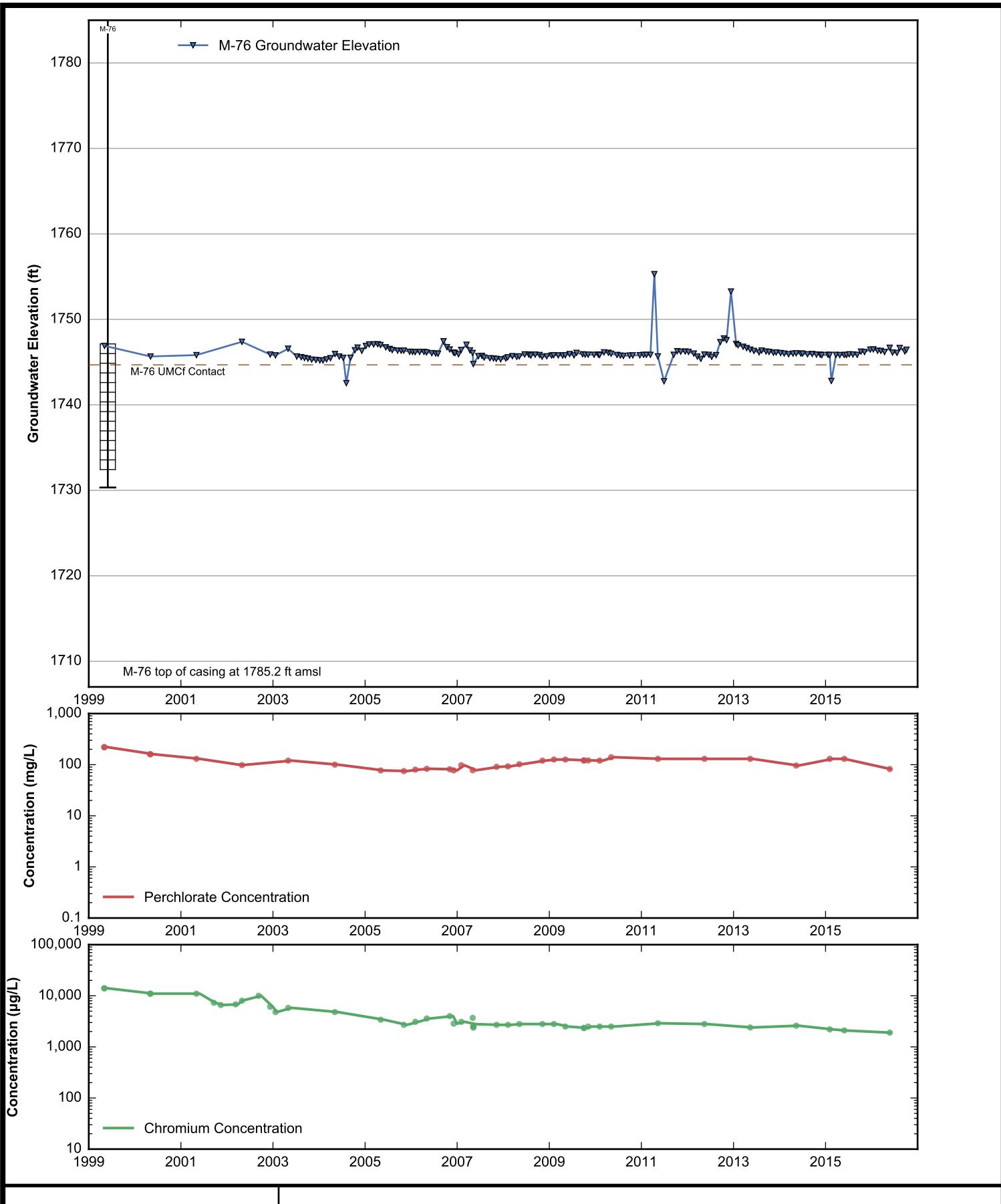
Data Sheet for Well M-72

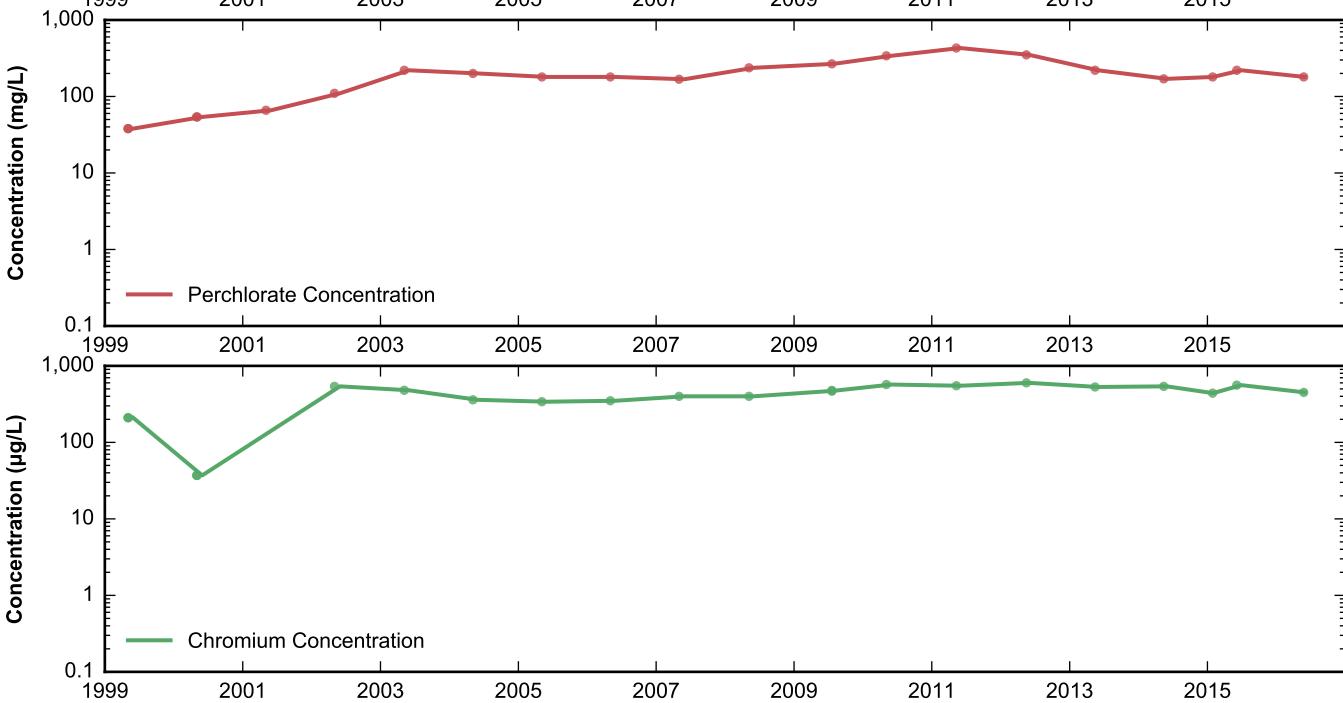
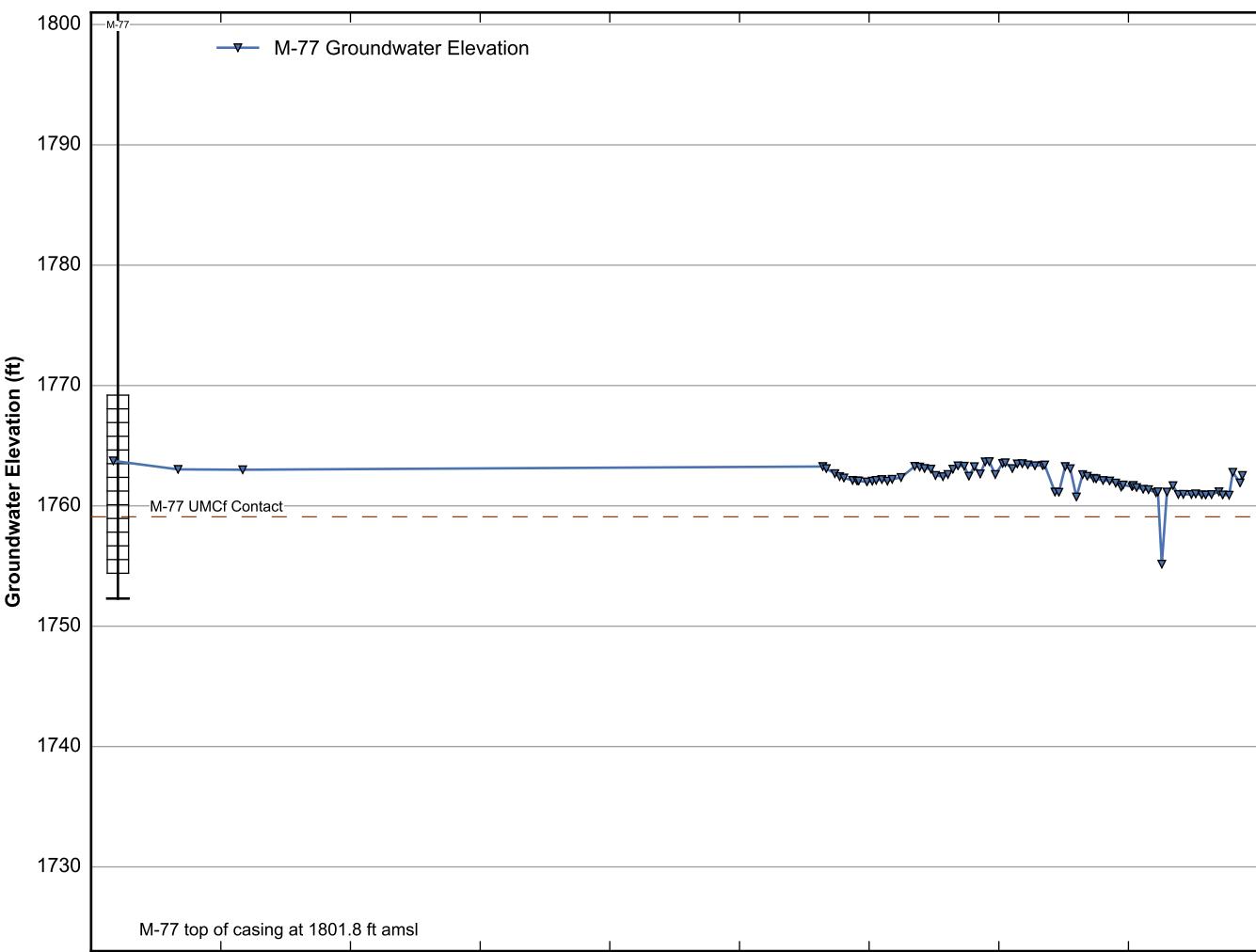
Nevada Environmental Response Trust Site
Henderson, Nevada

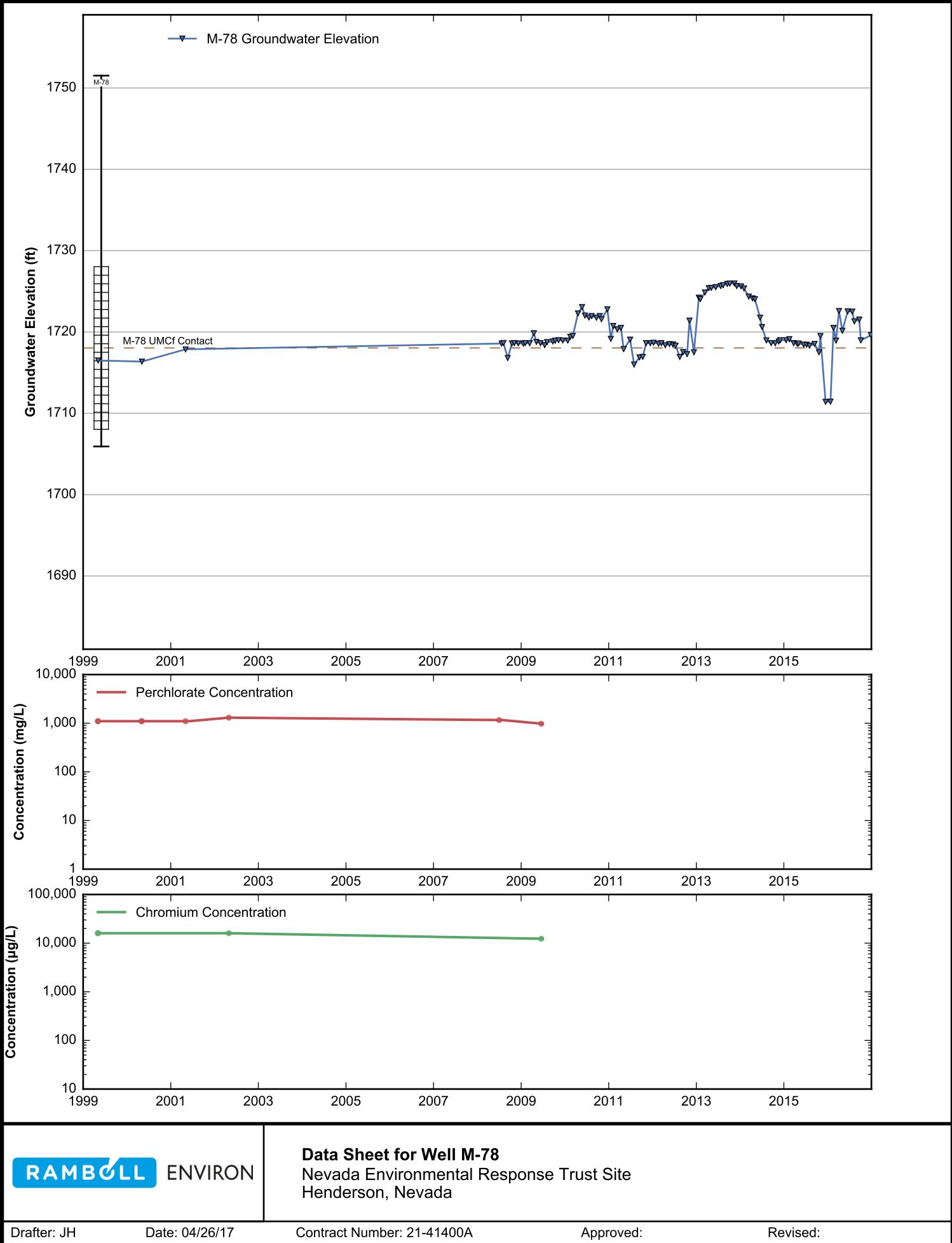


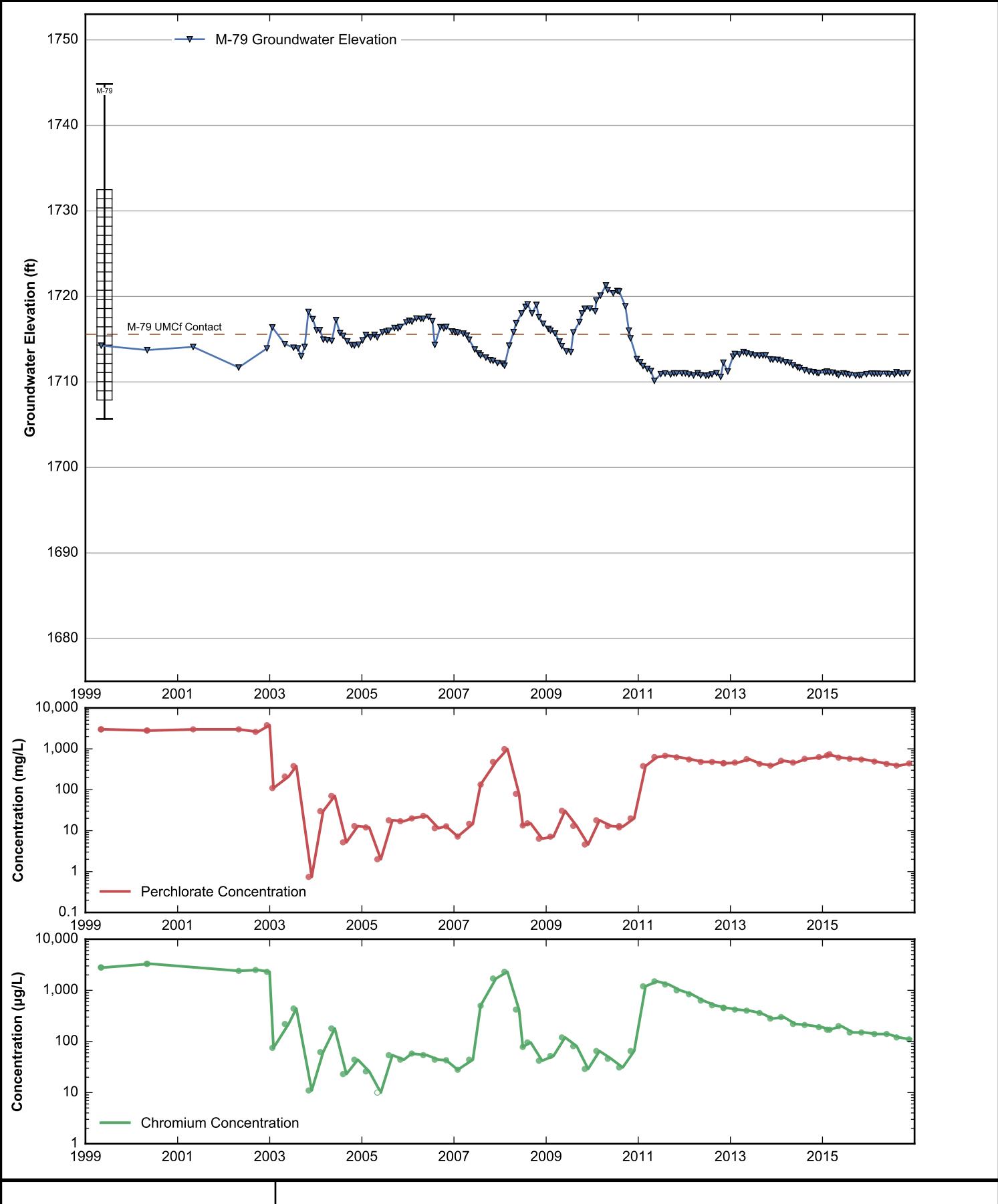


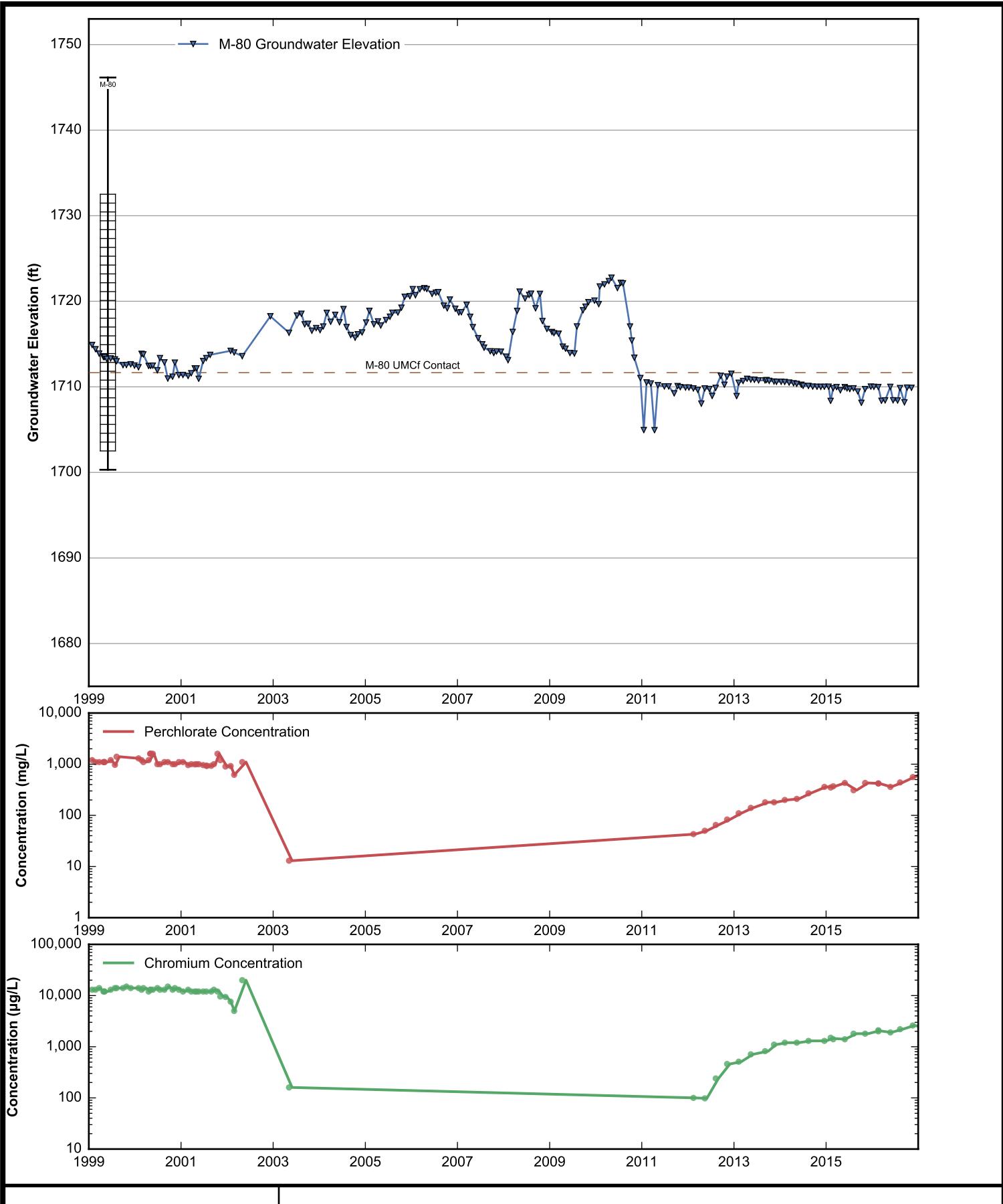




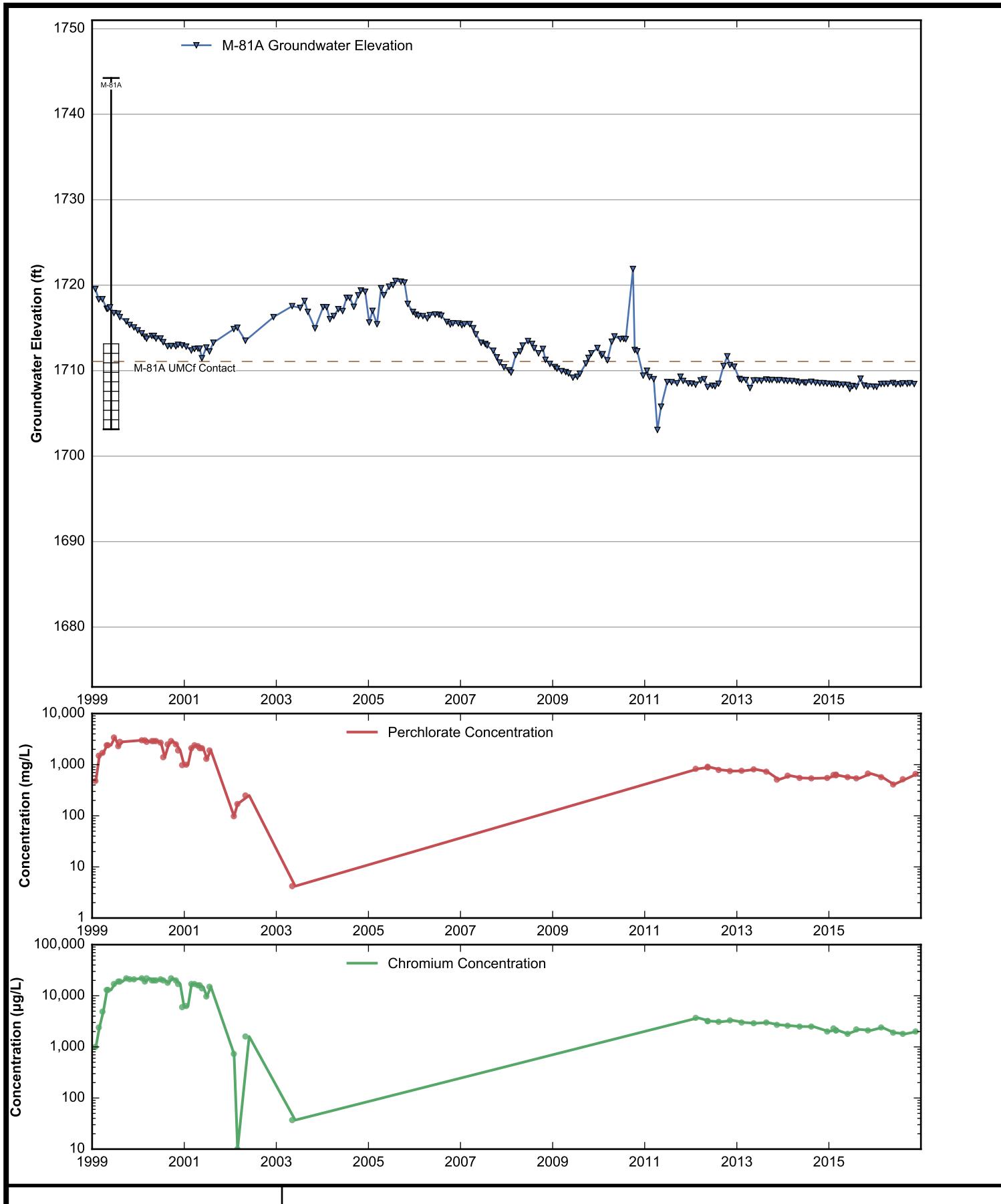


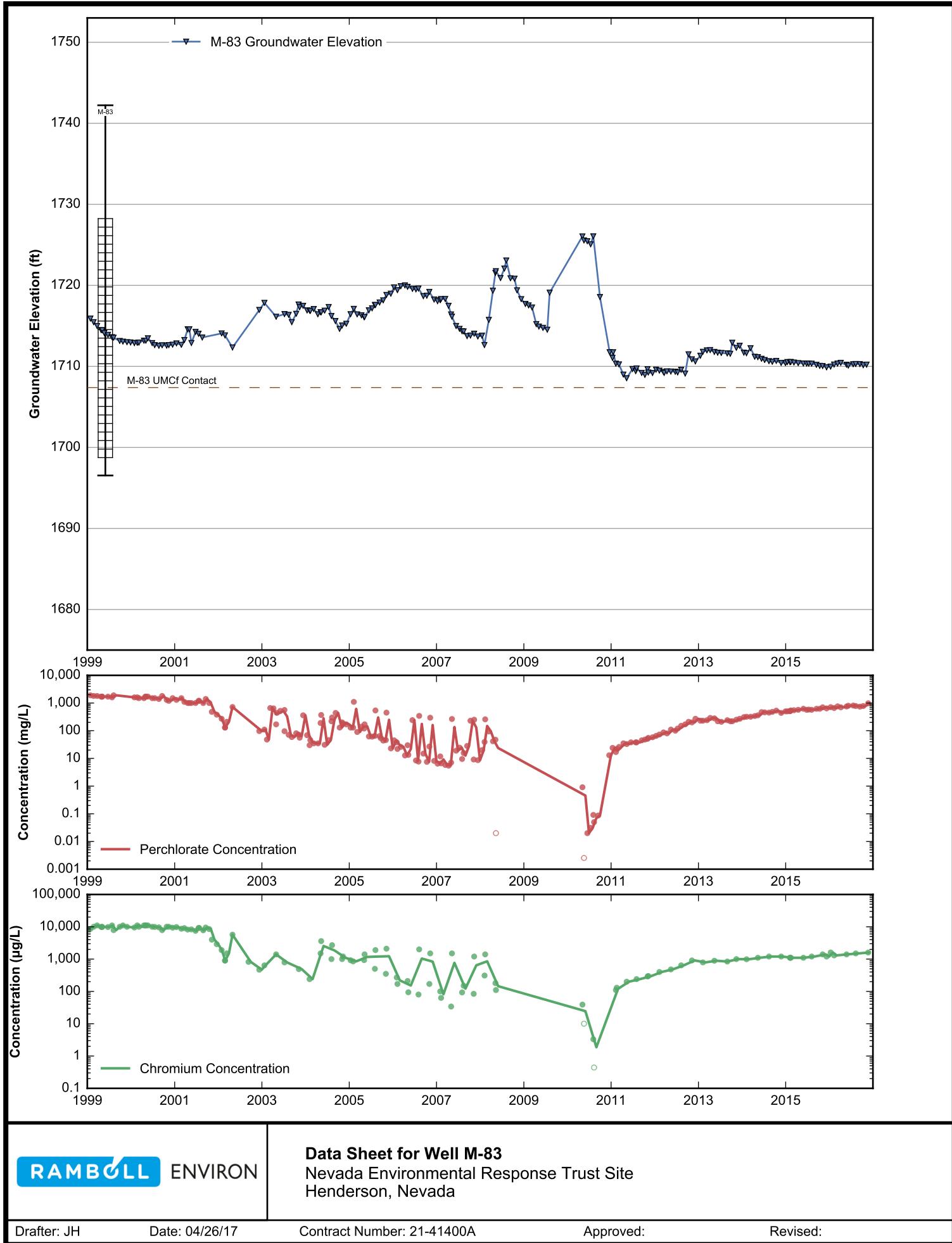


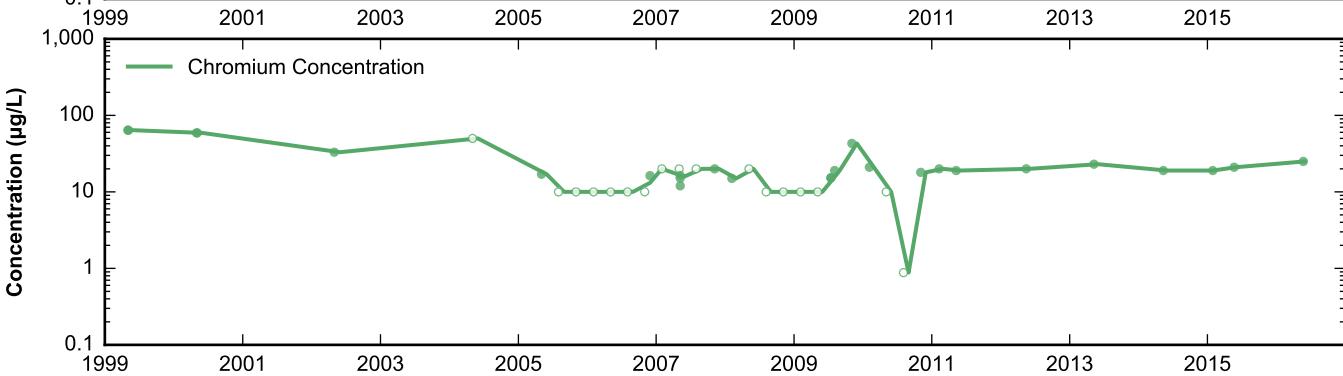
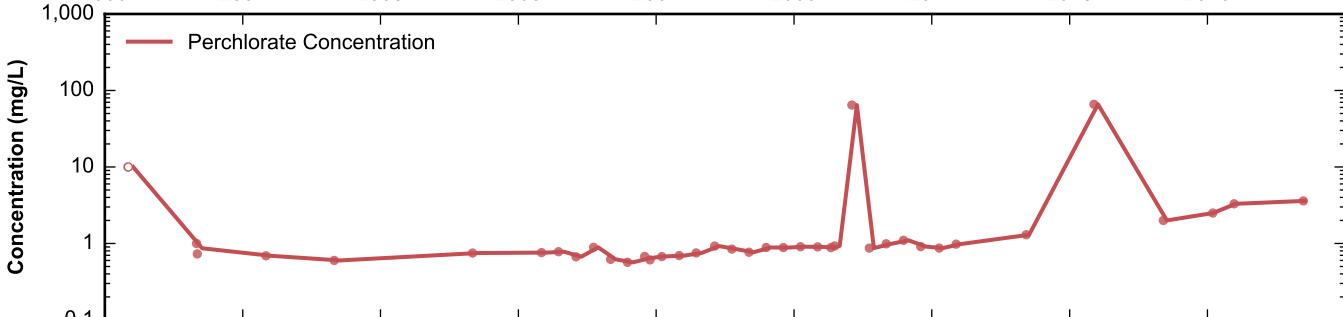
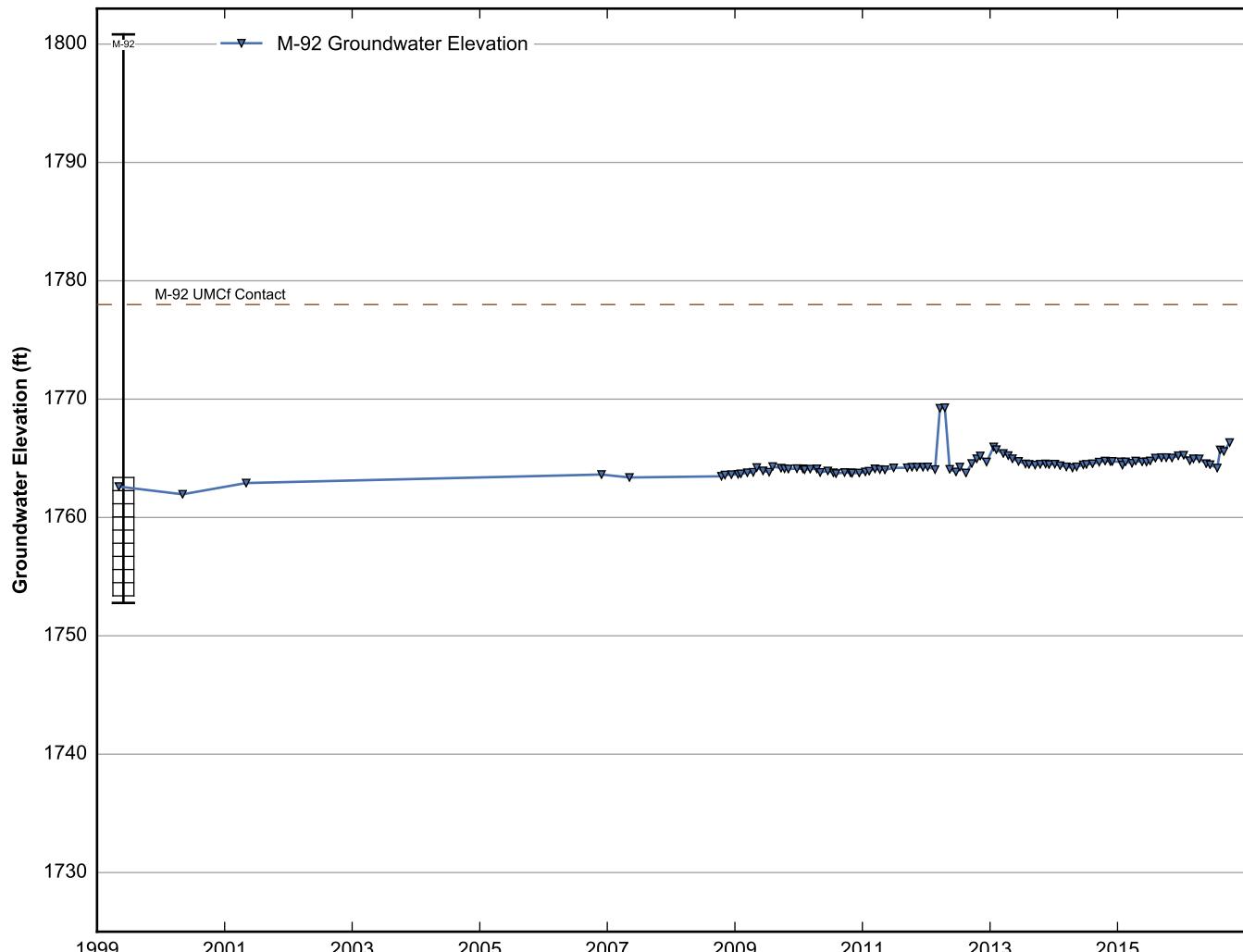


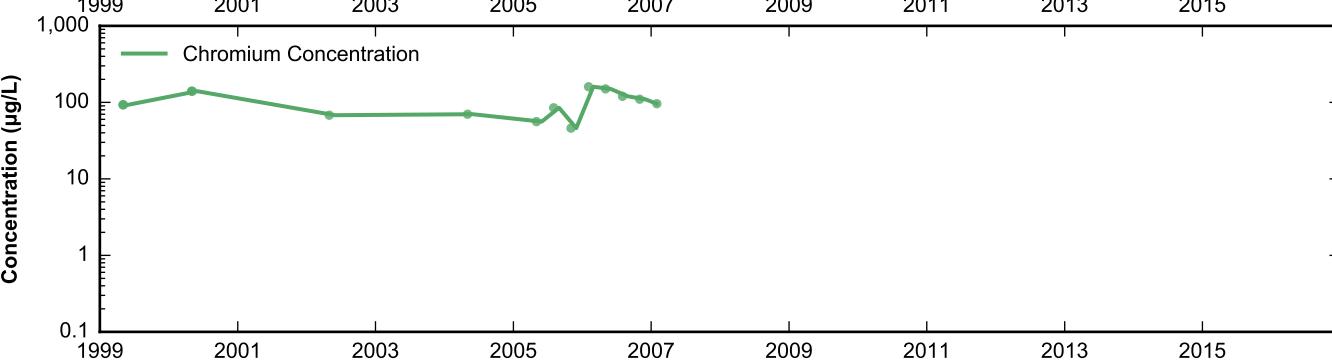
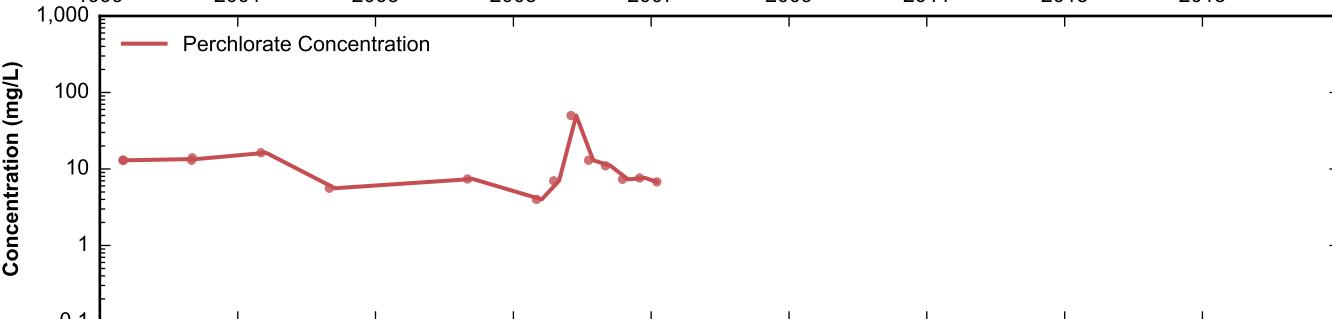
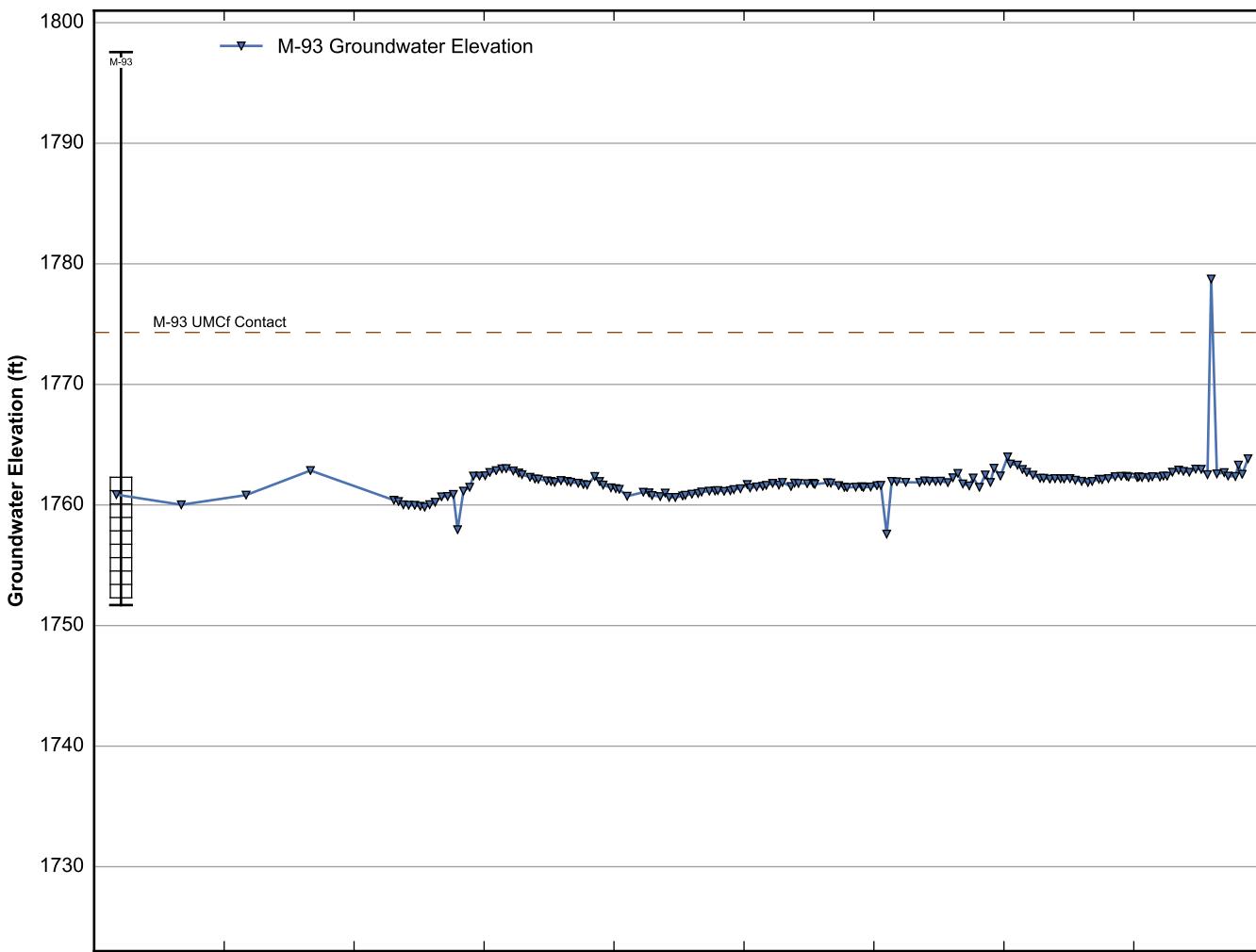
**RAMBOLL ENVIRON**

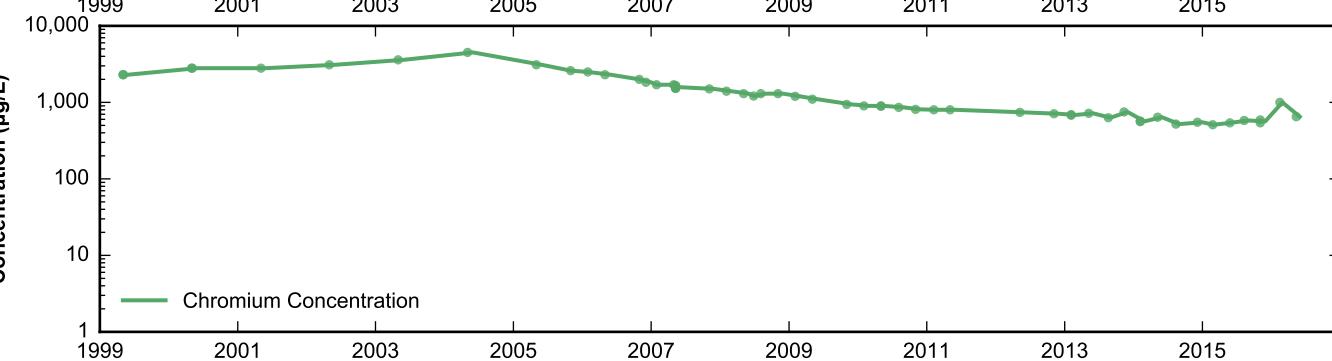
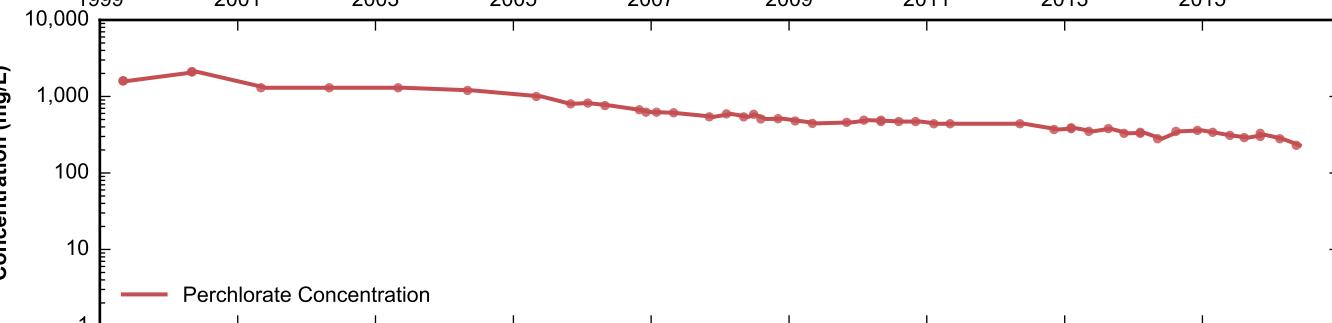
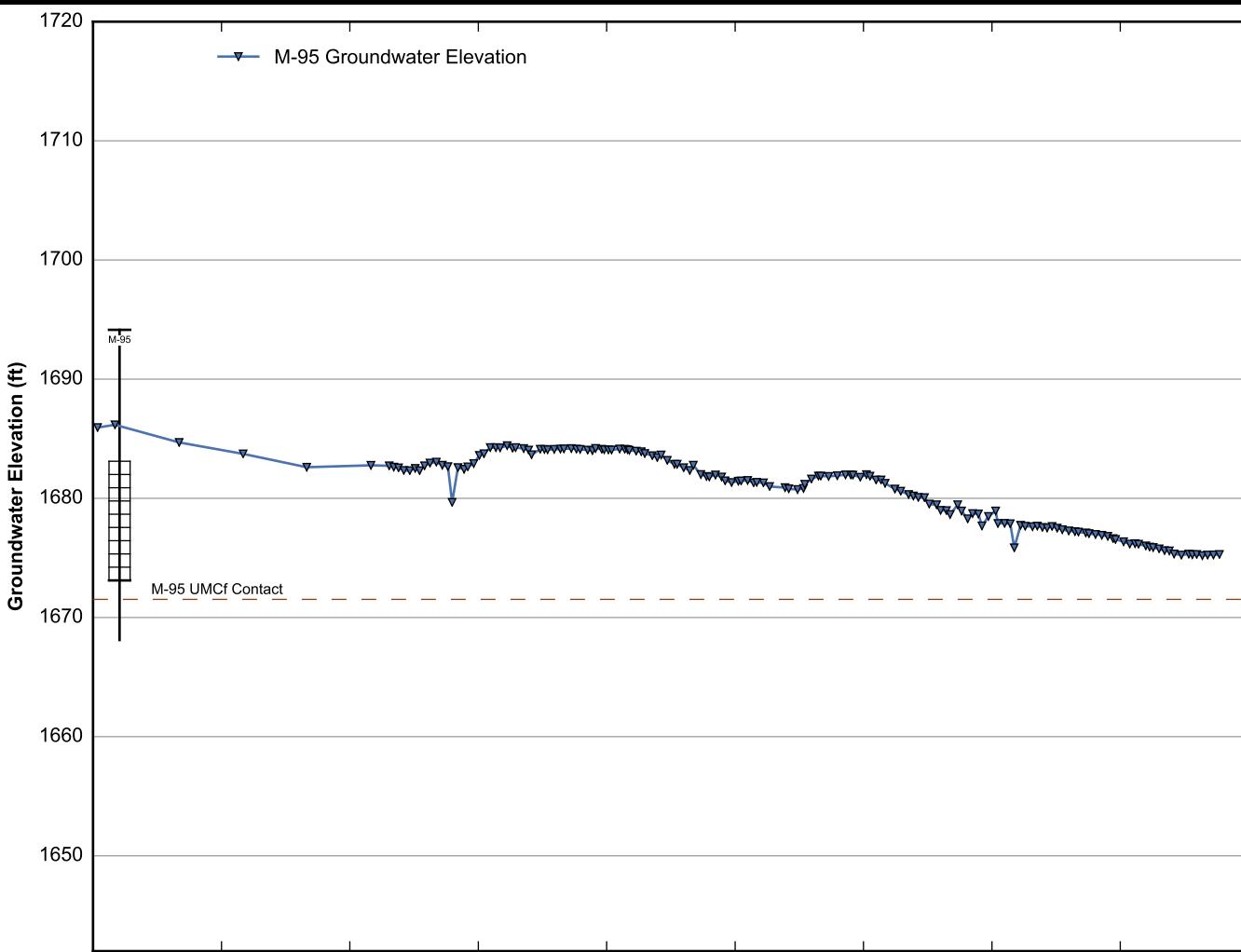
Data Sheet for Well M-80
 Nevada Environmental Response Trust Site
 Henderson, Nevada

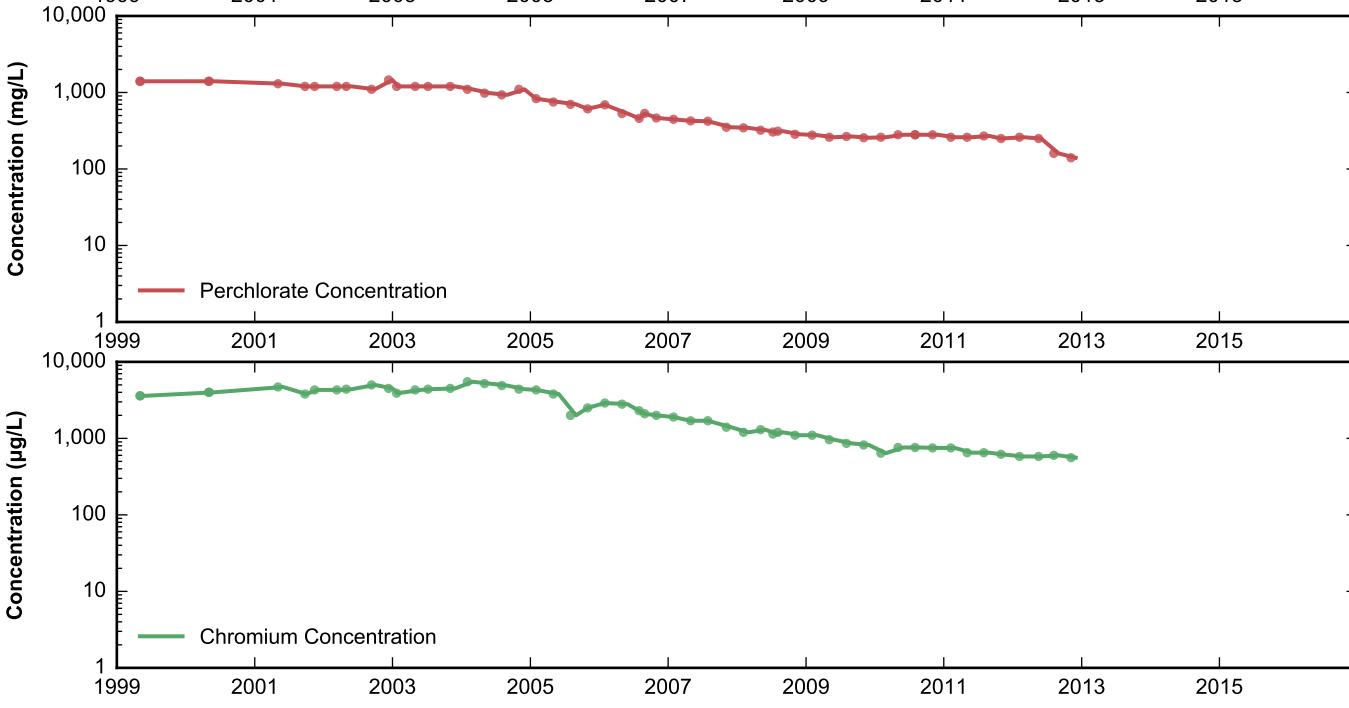
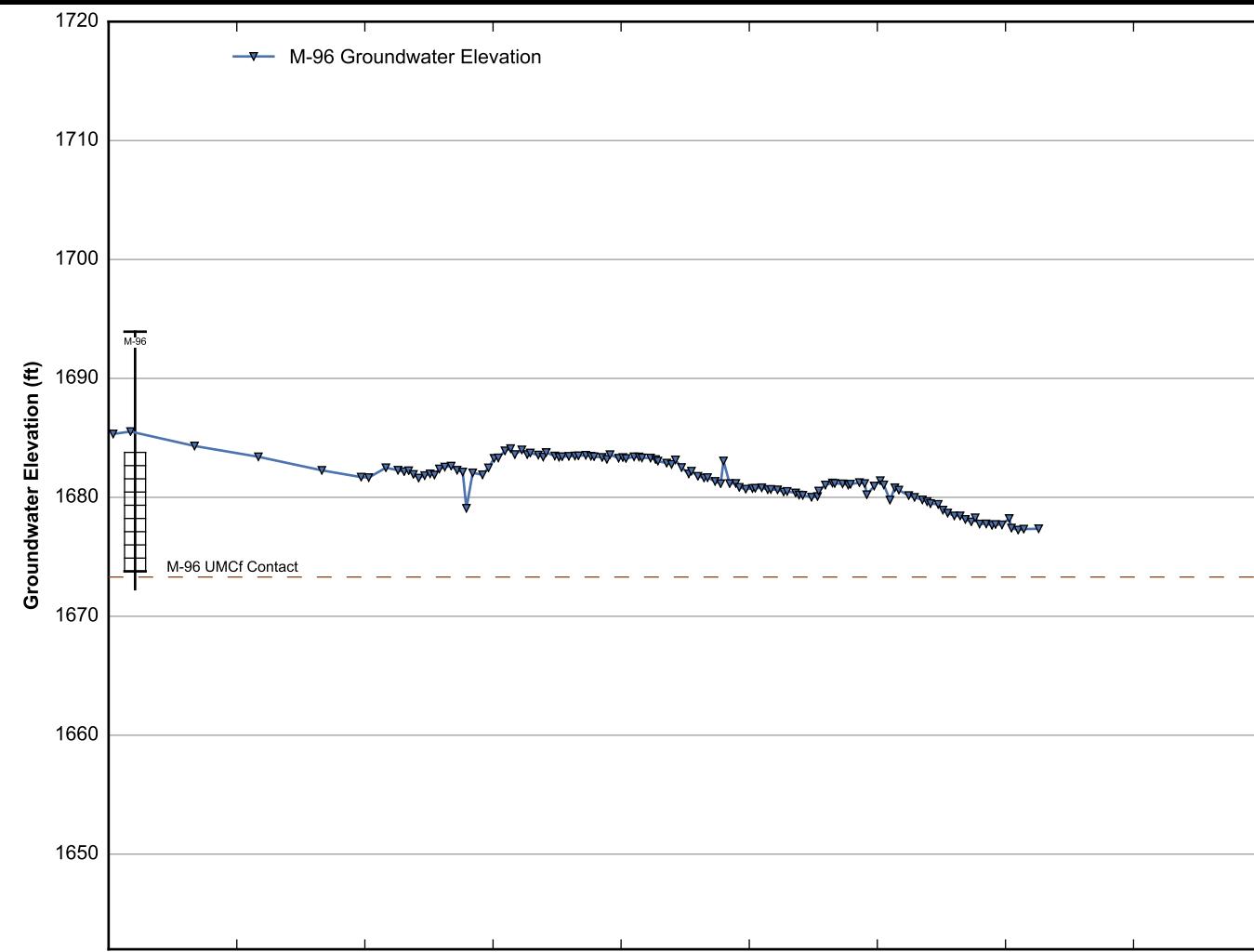


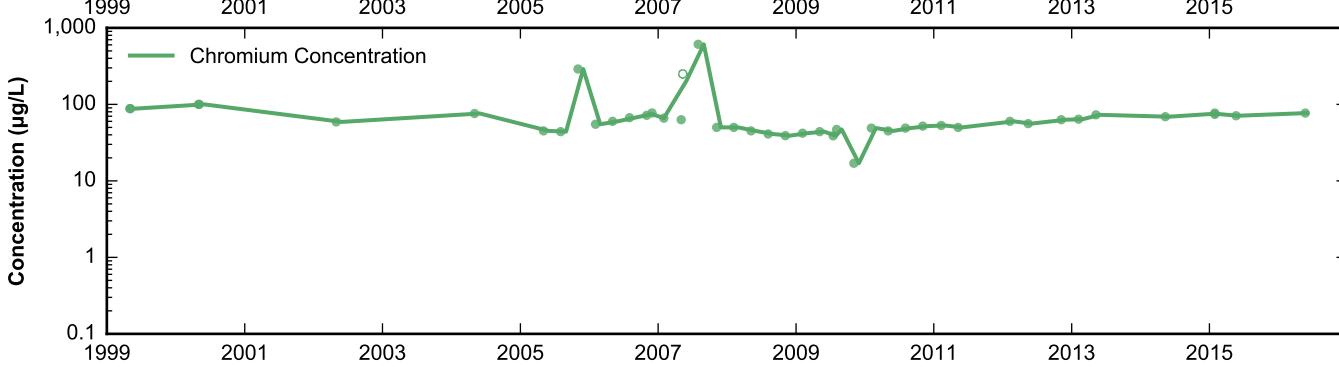
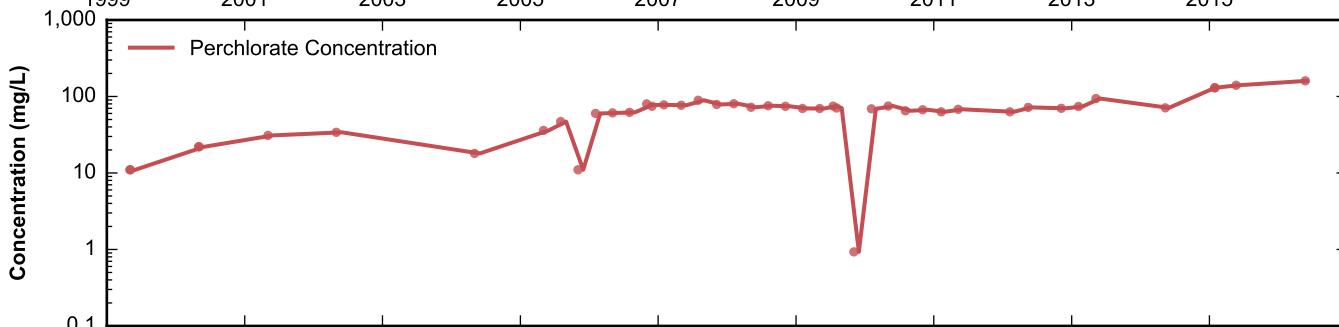
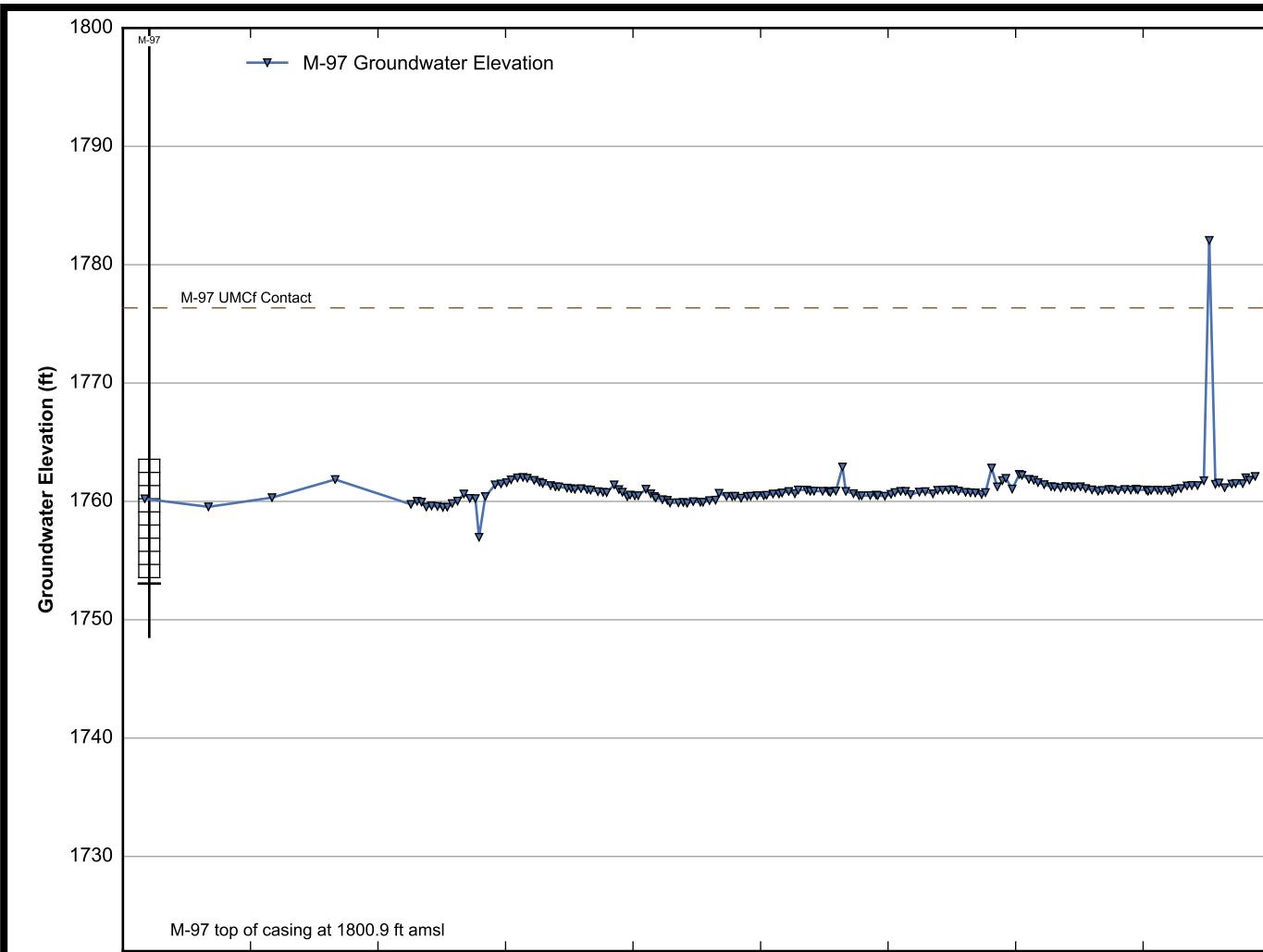


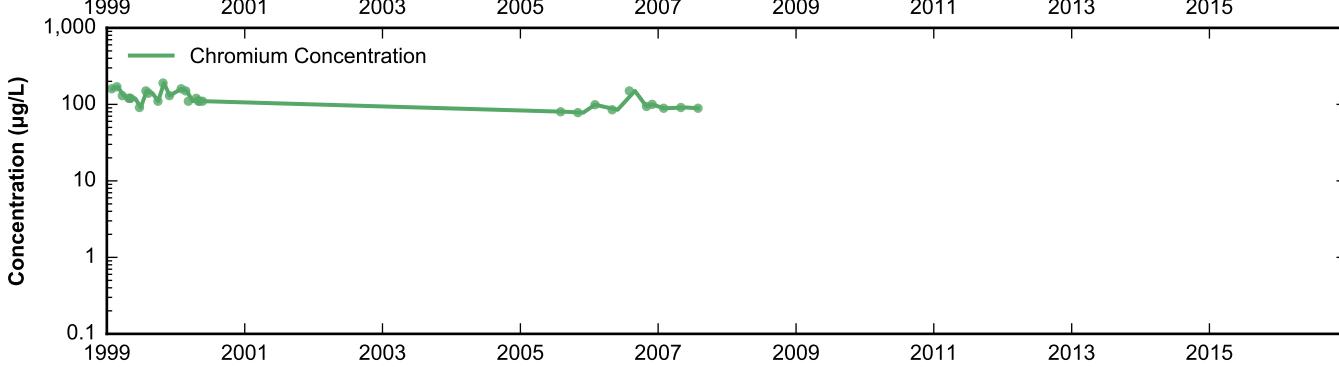
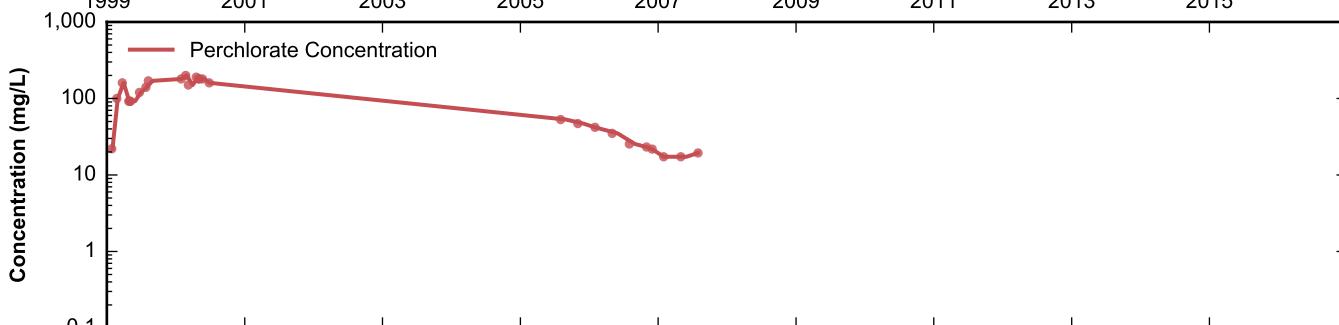
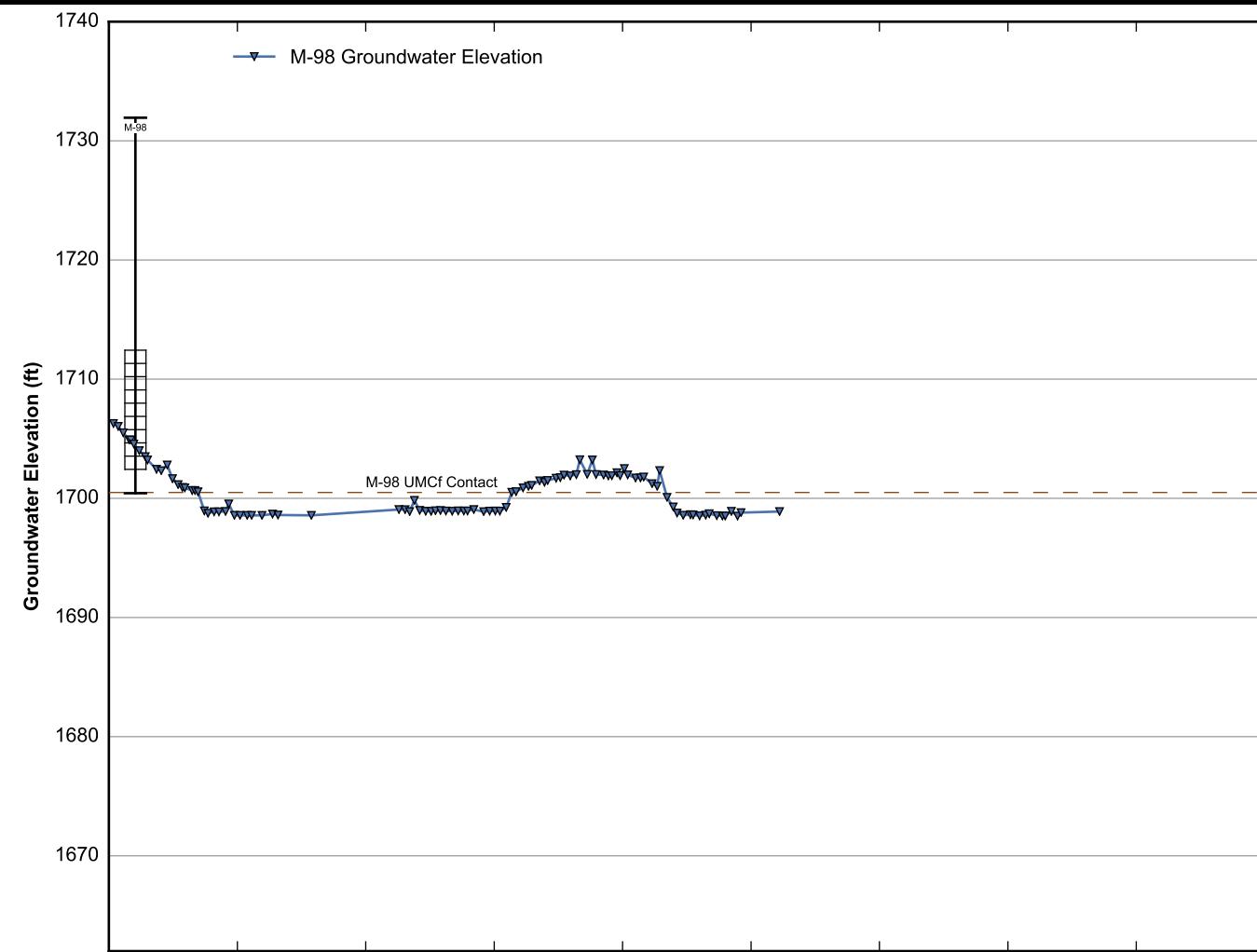


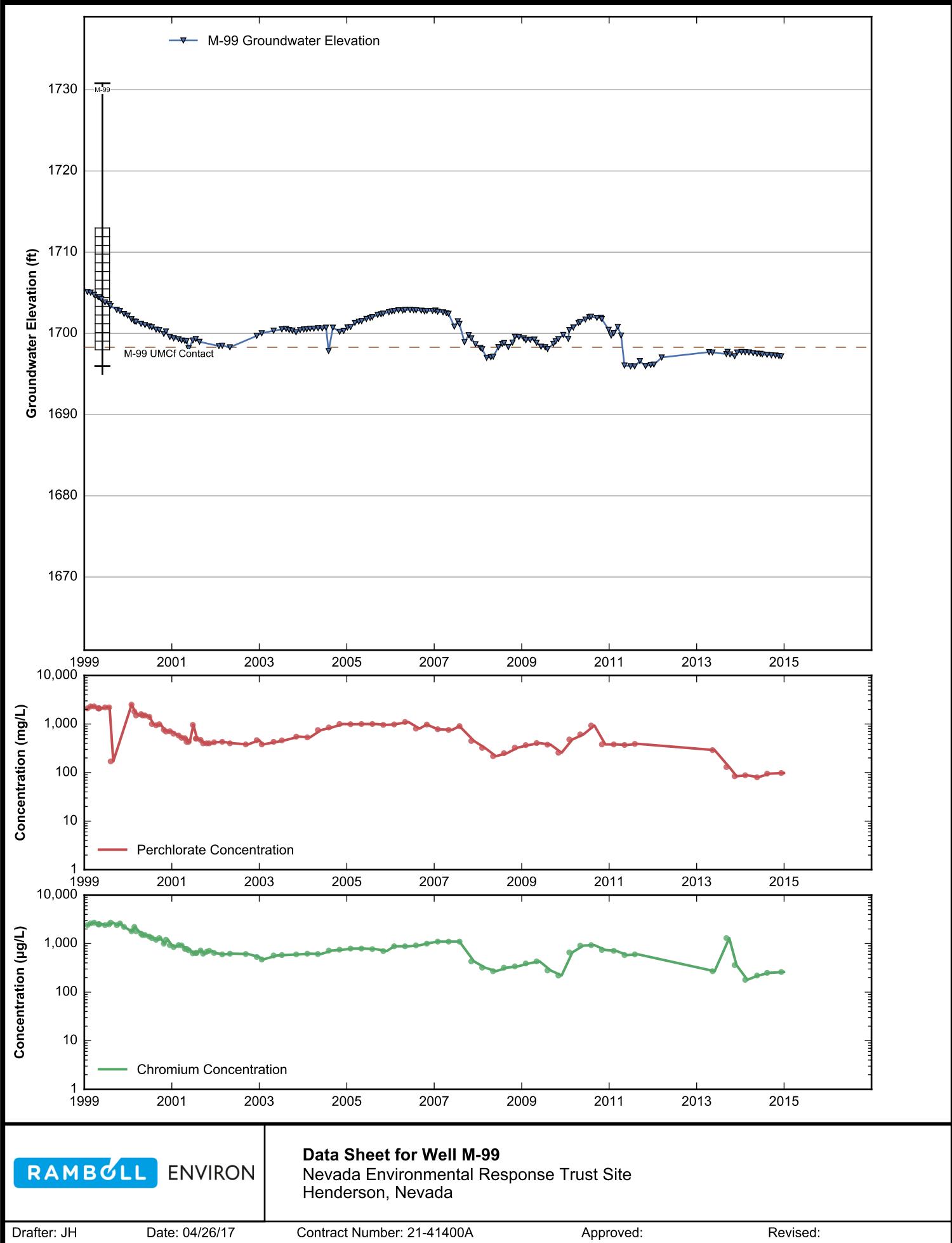


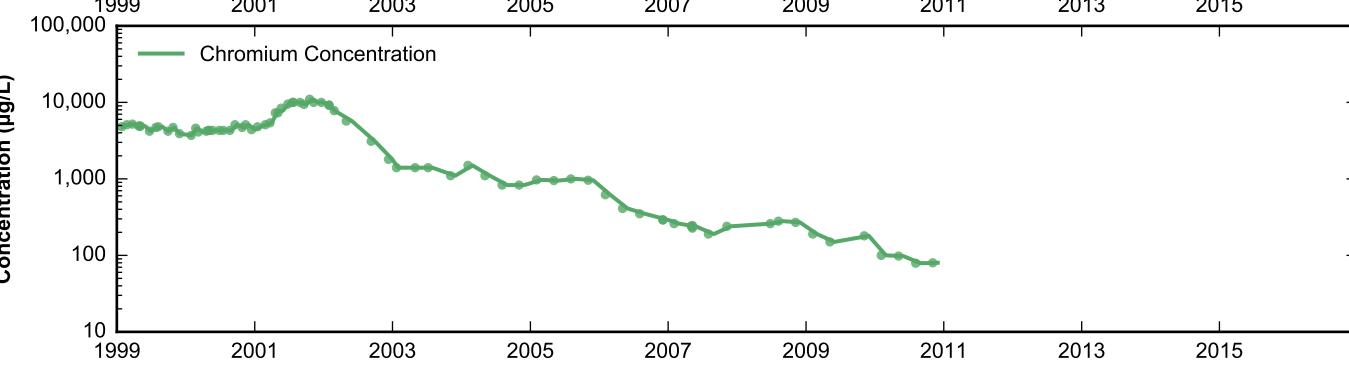
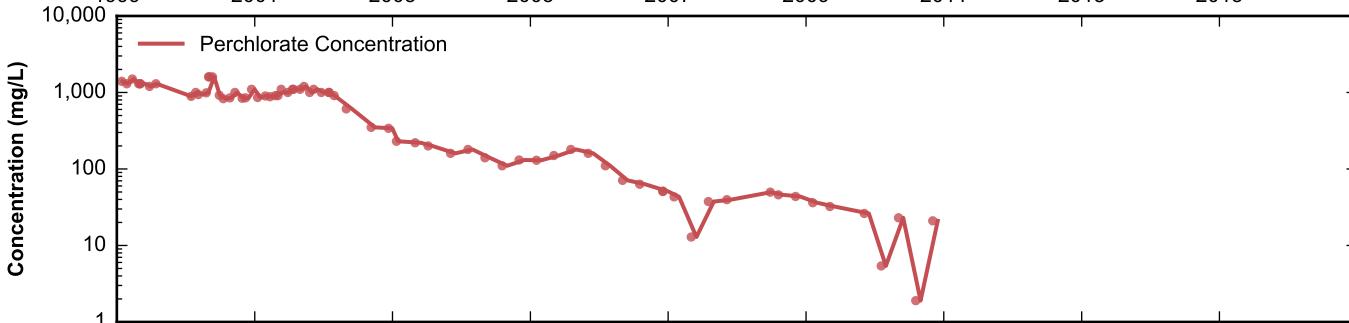
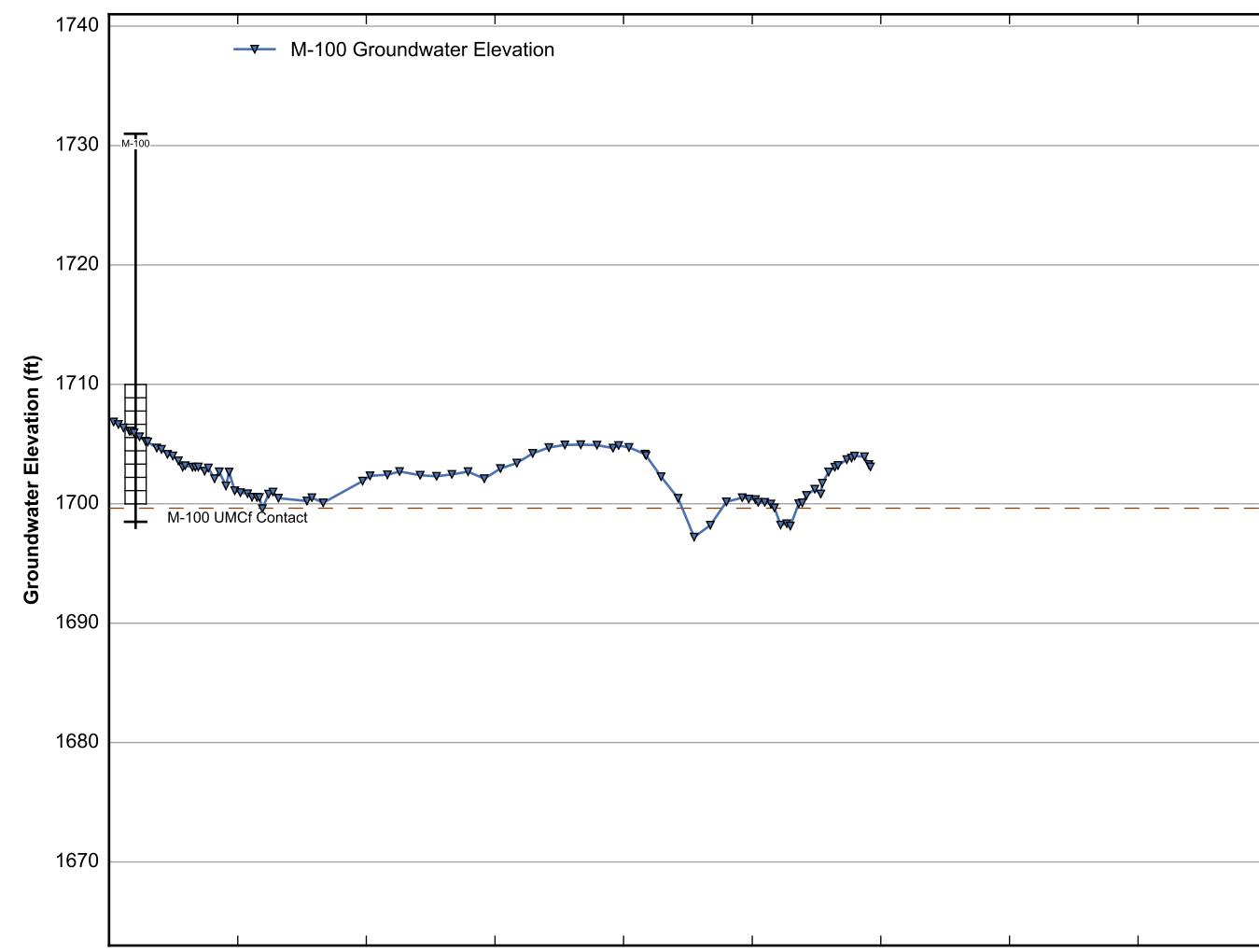


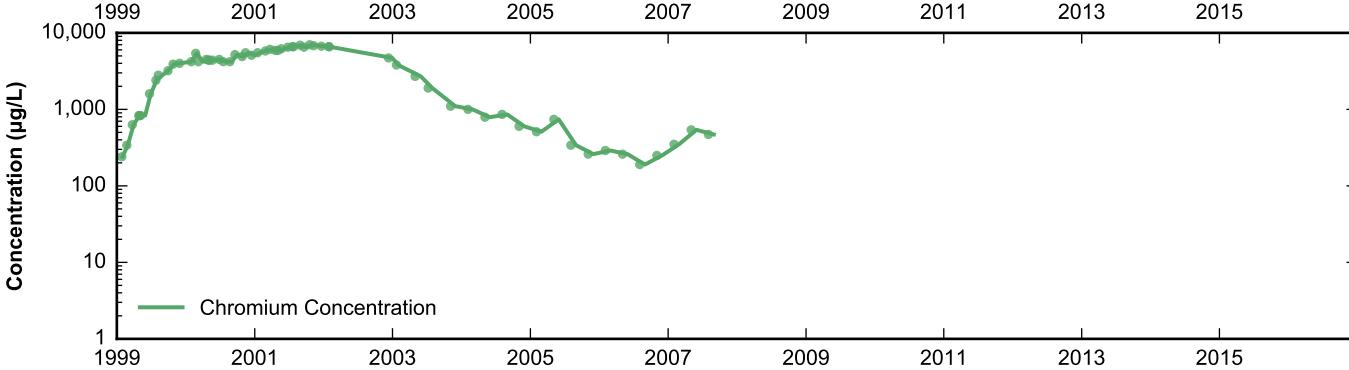
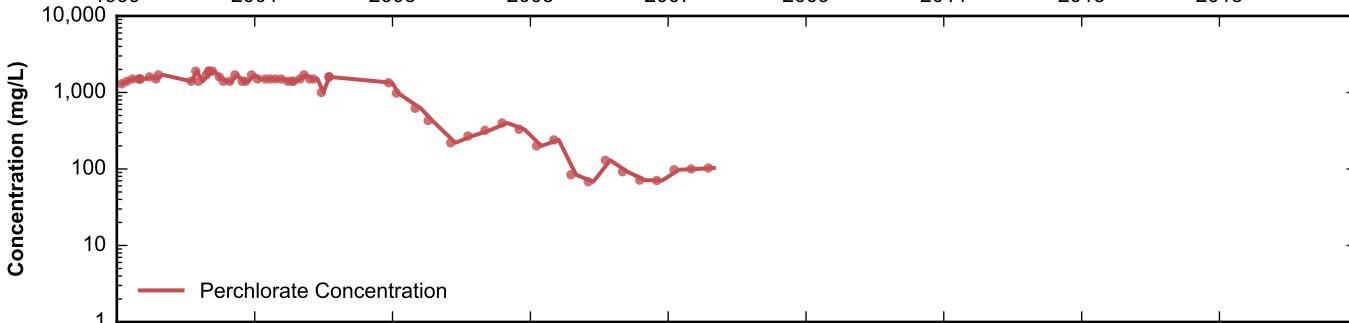
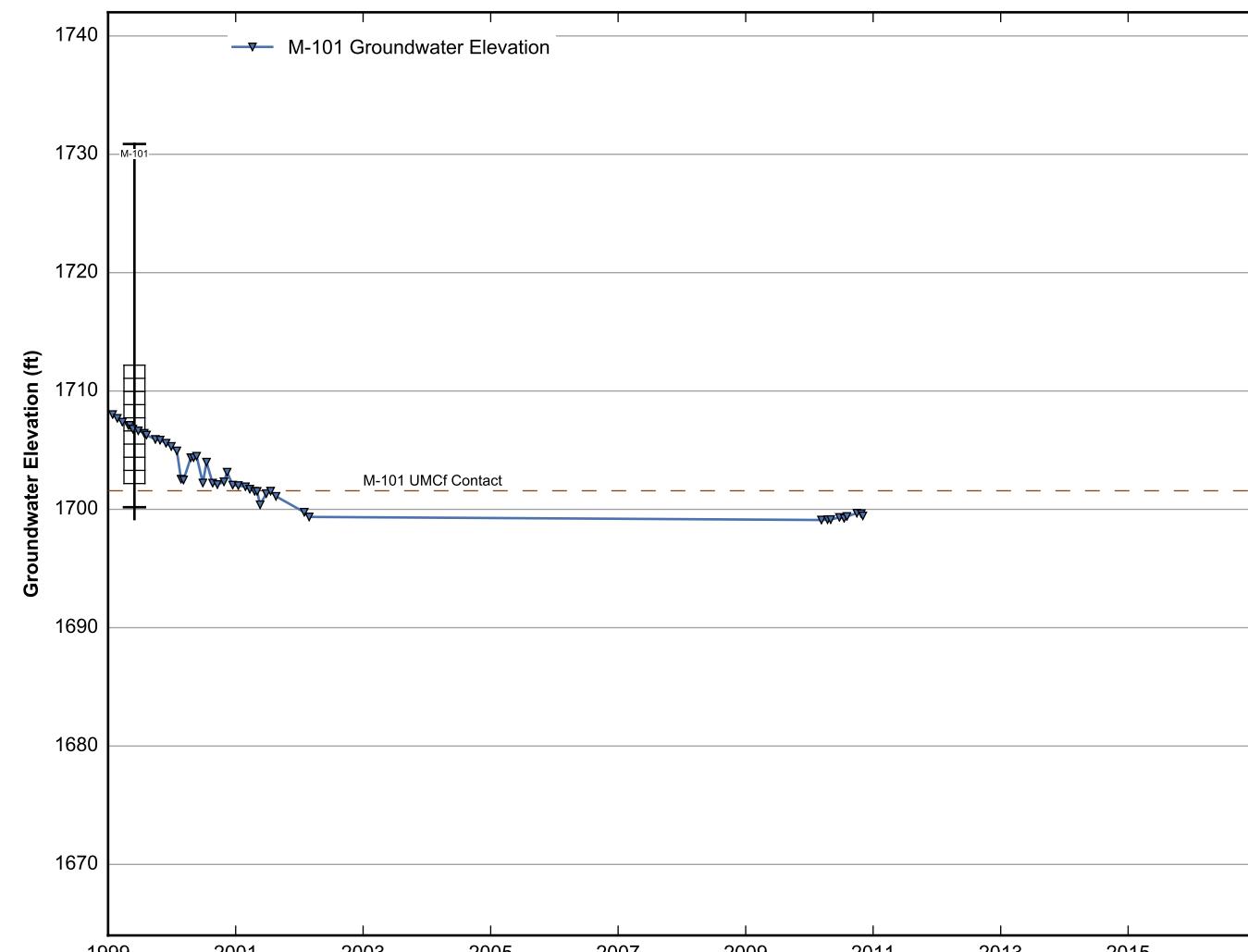








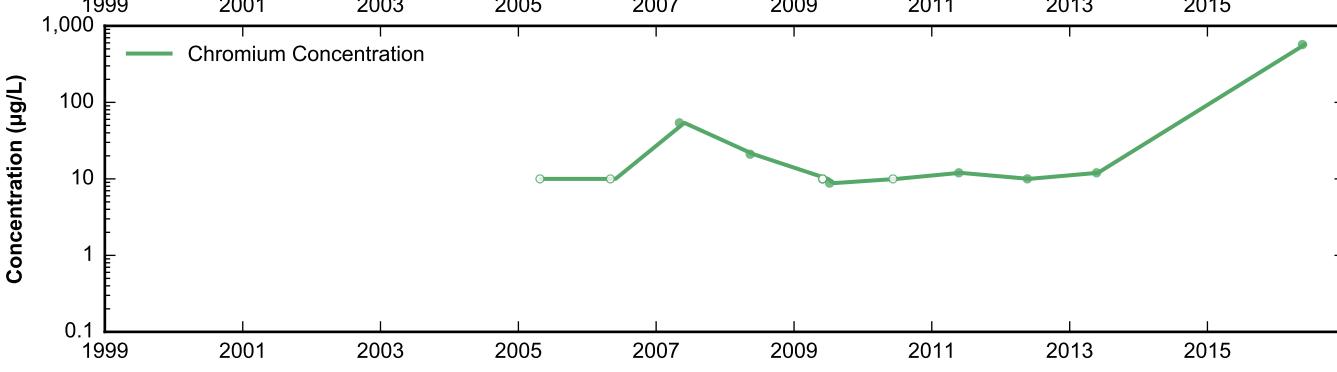
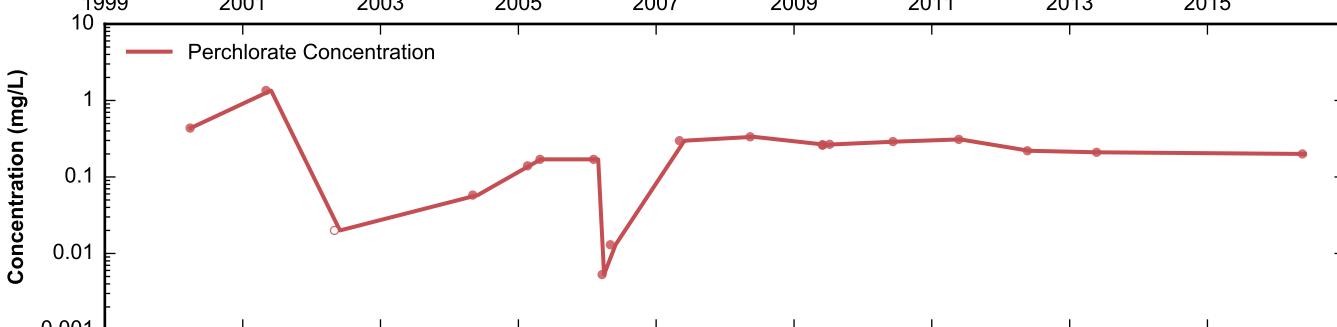
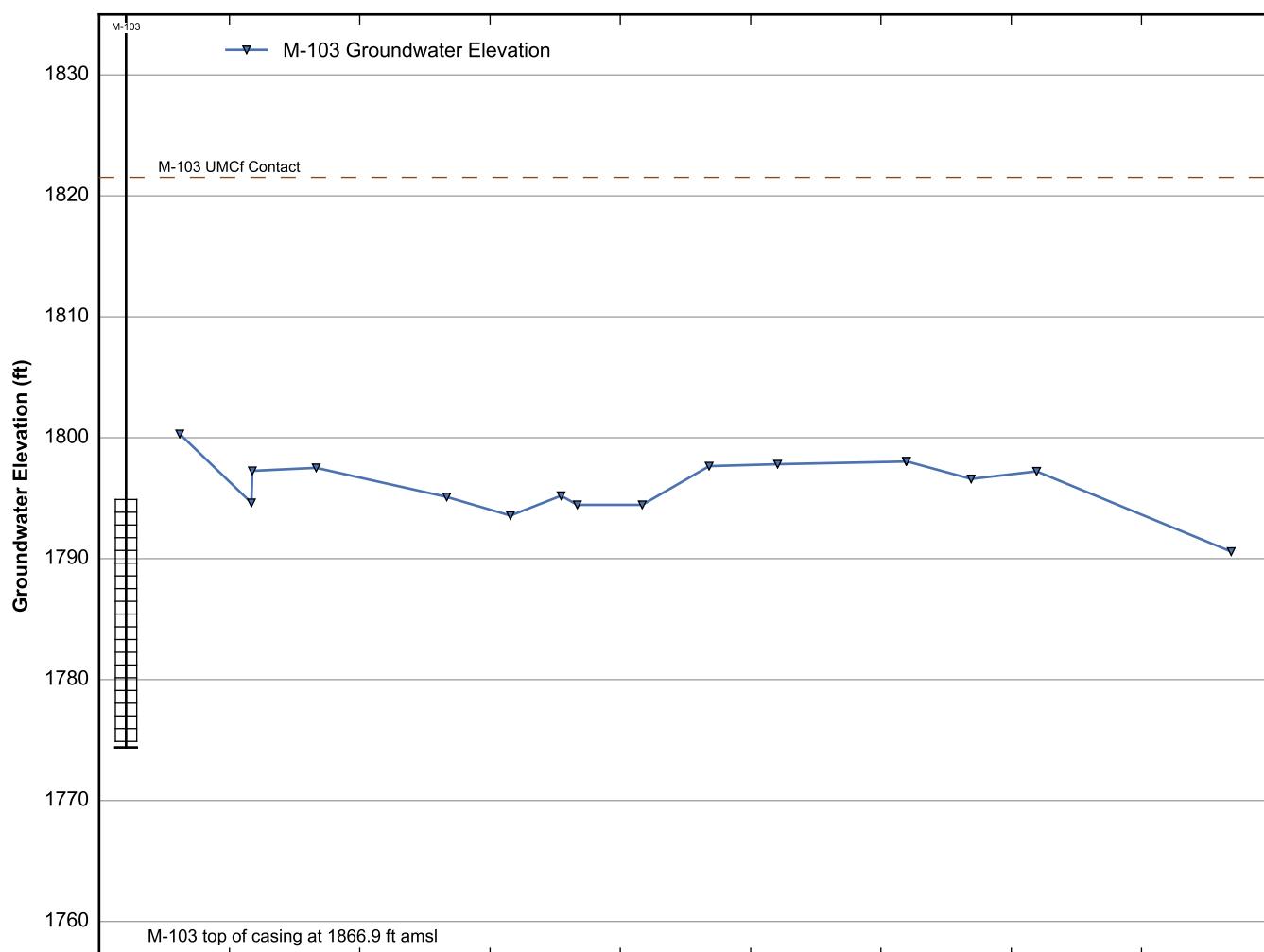


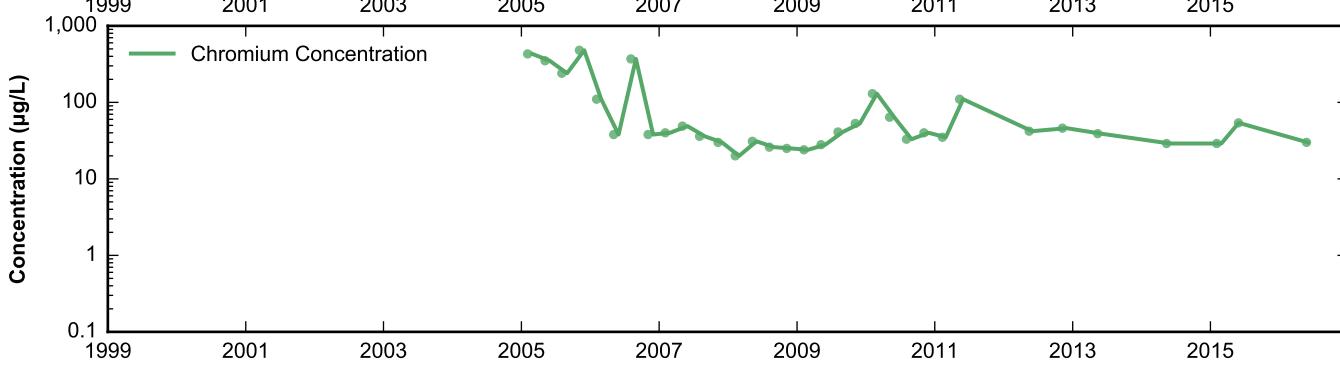
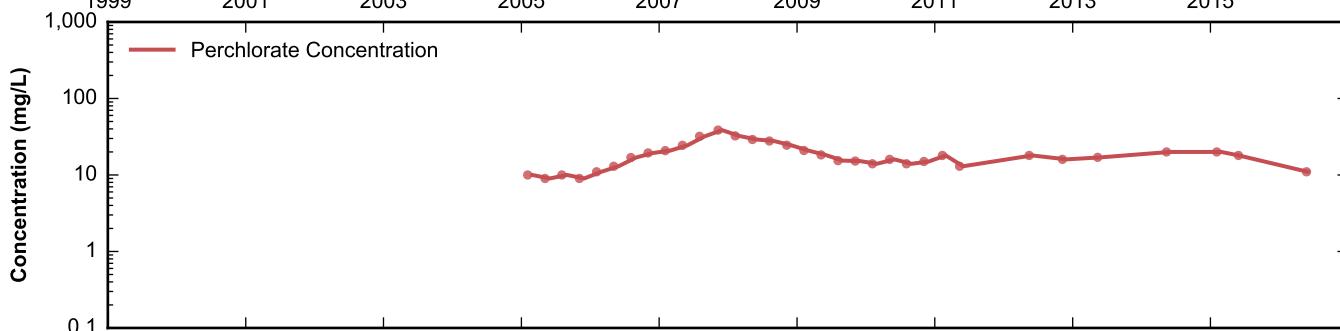
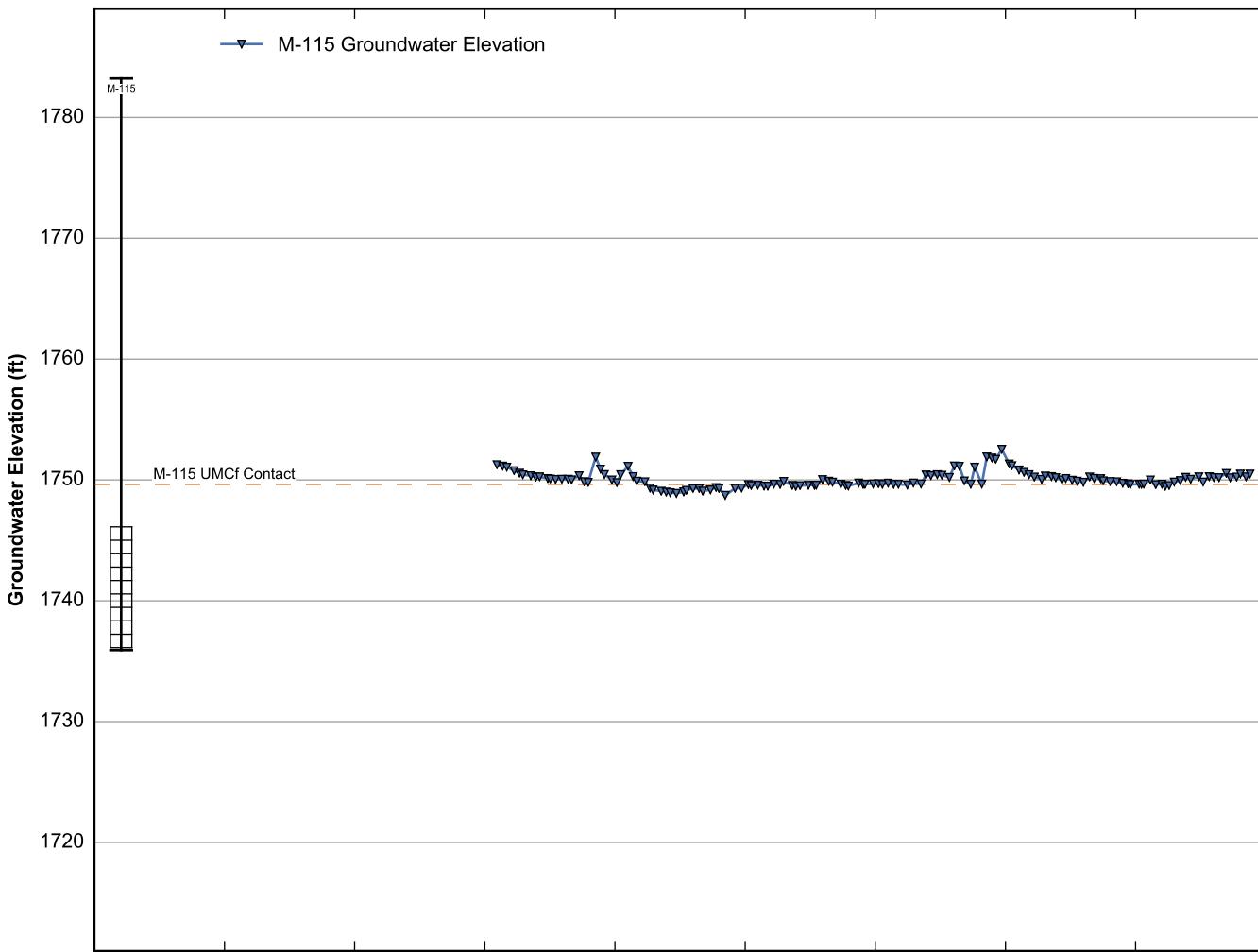


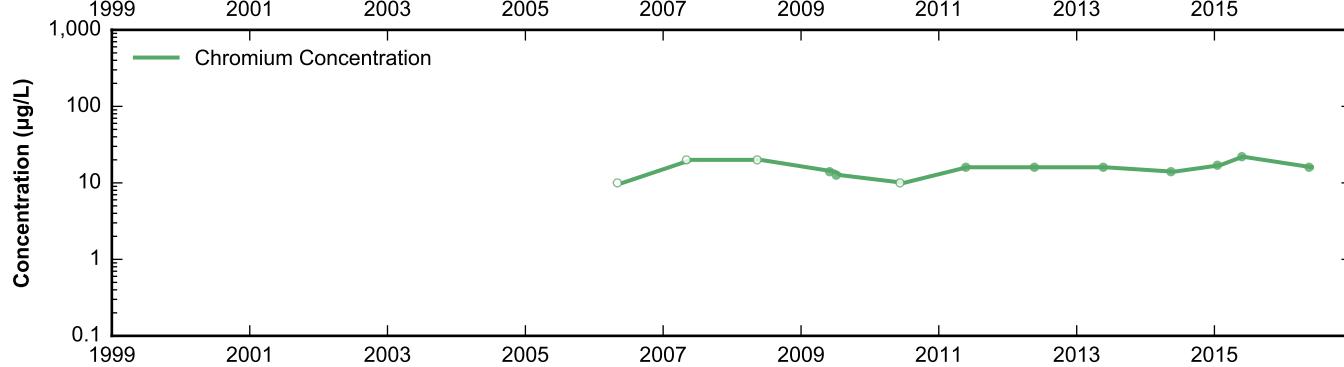
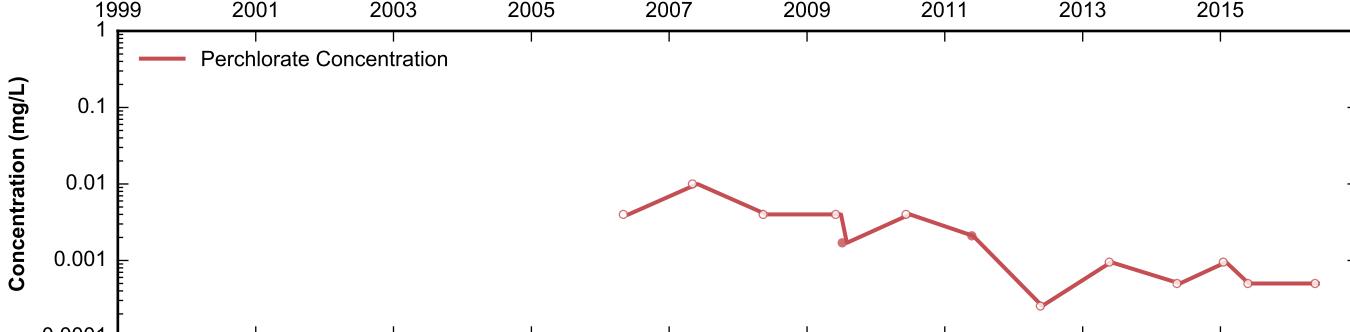
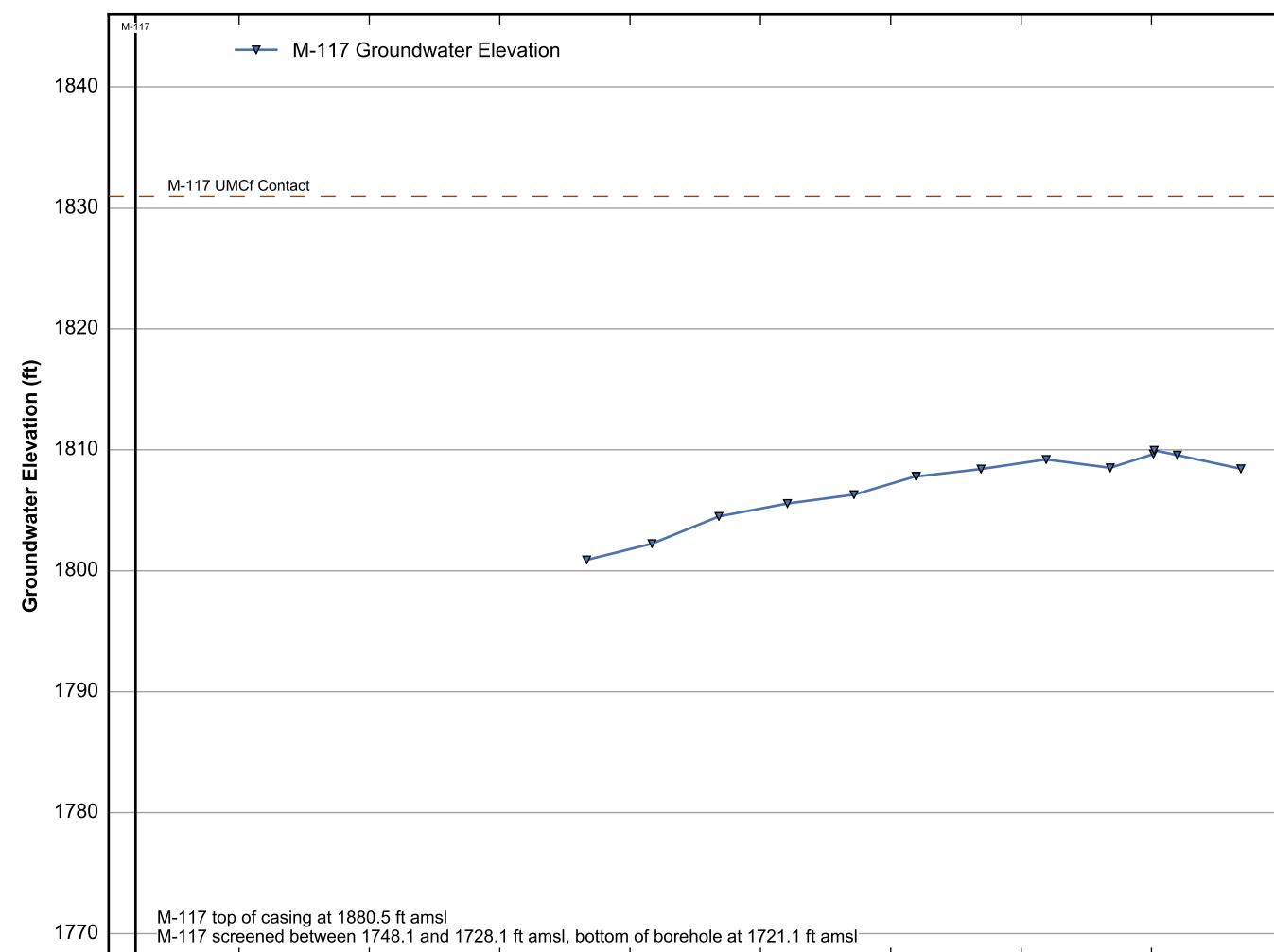
RAMBOLL ENVIRON

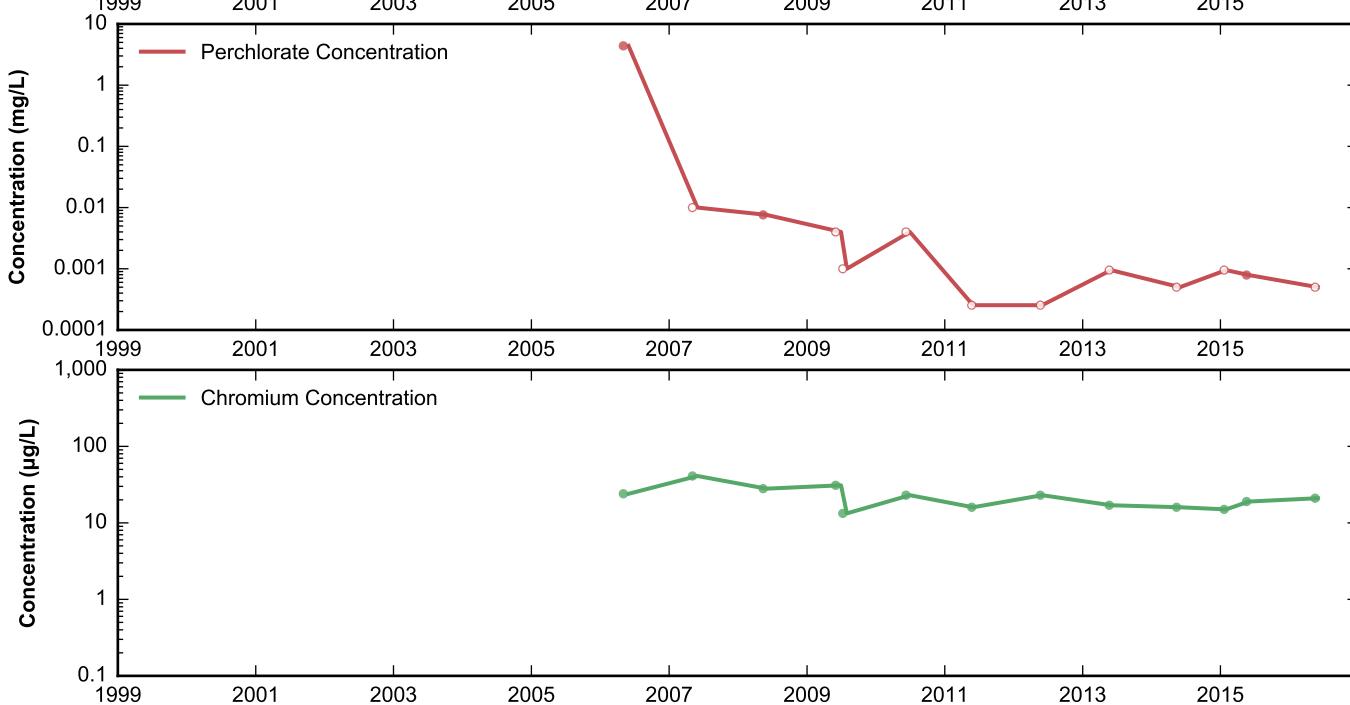
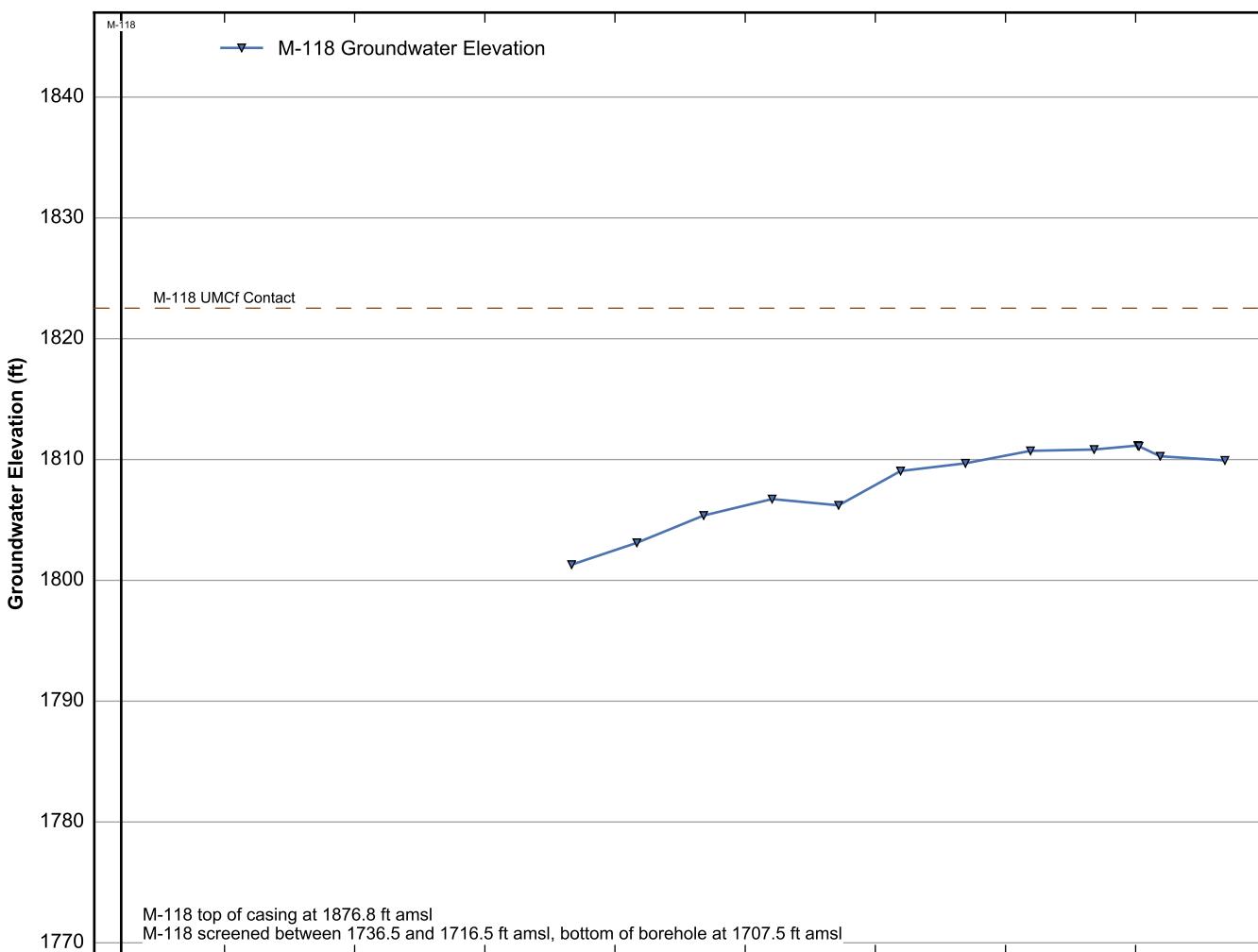
Data Sheet for Well M-101

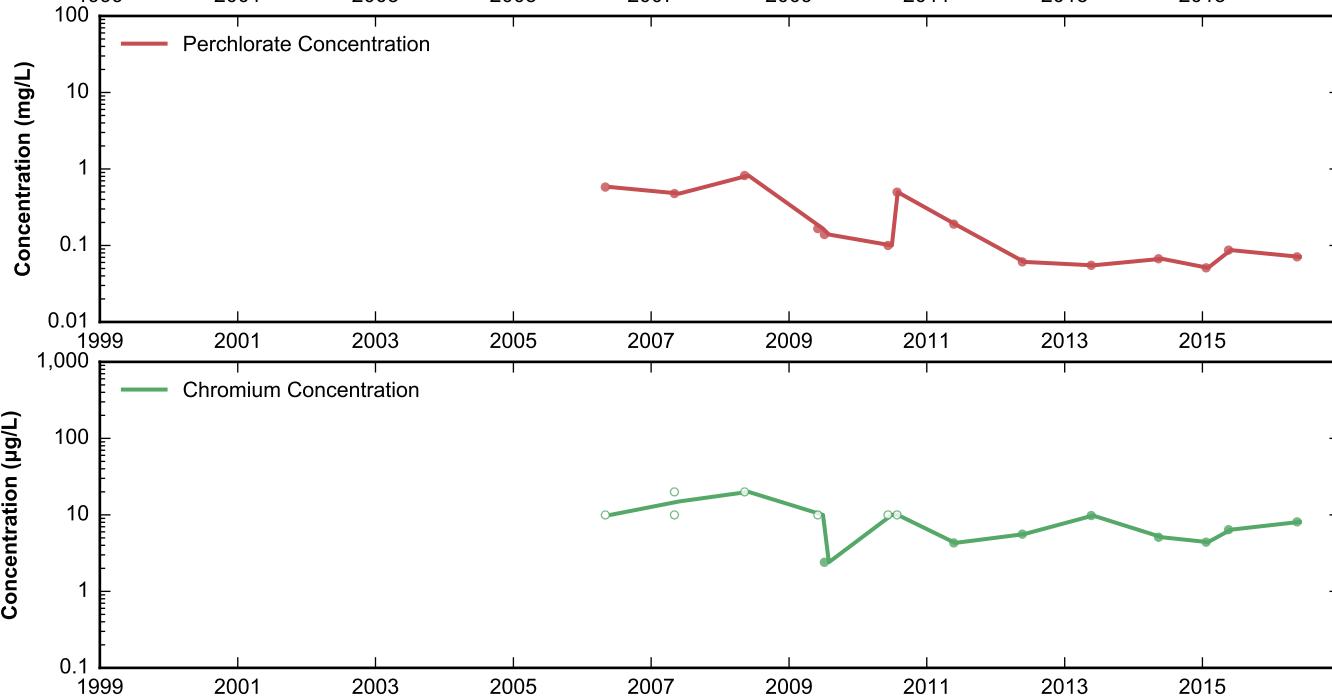
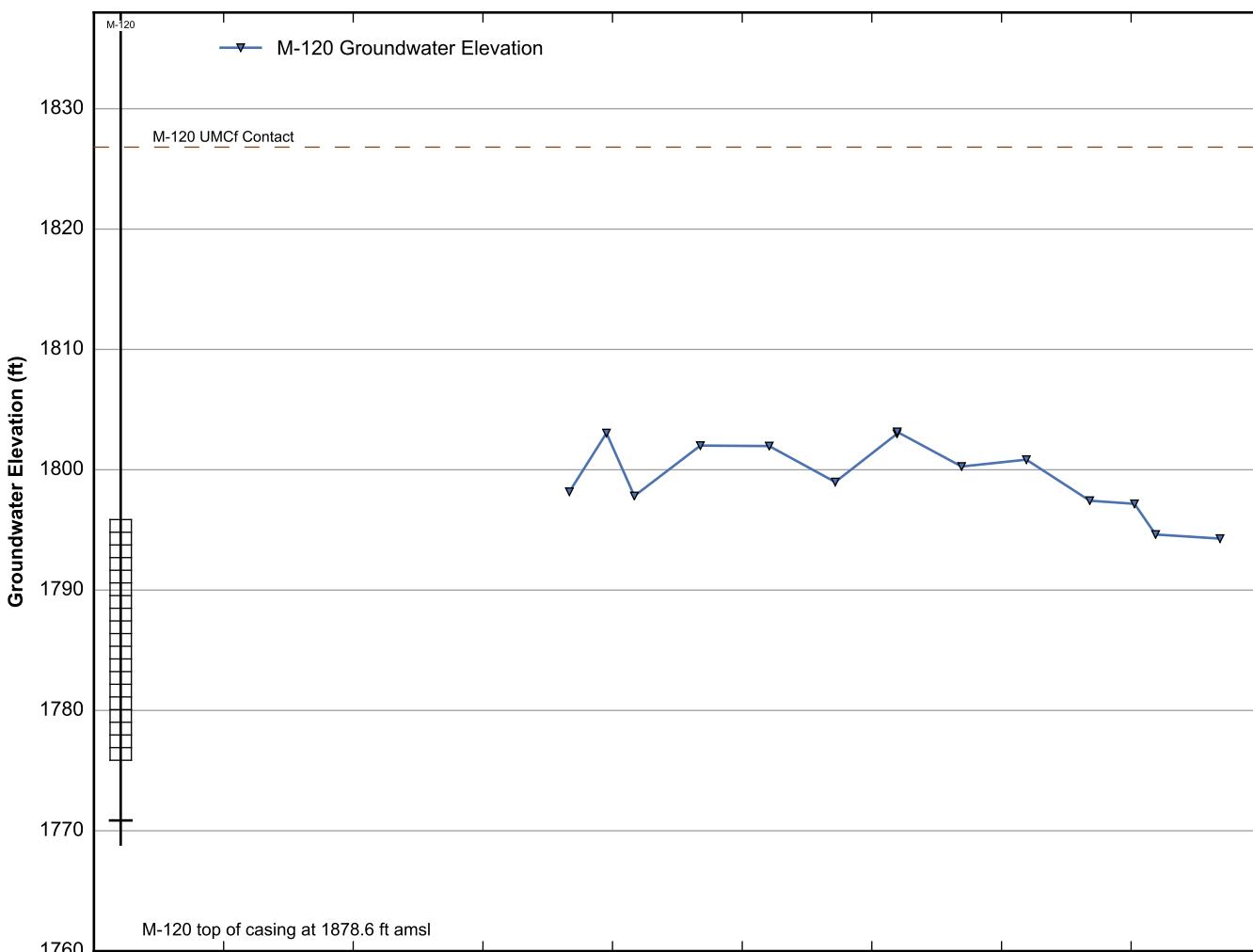
Nevada Environmental Response Trust Site
Henderson, Nevada

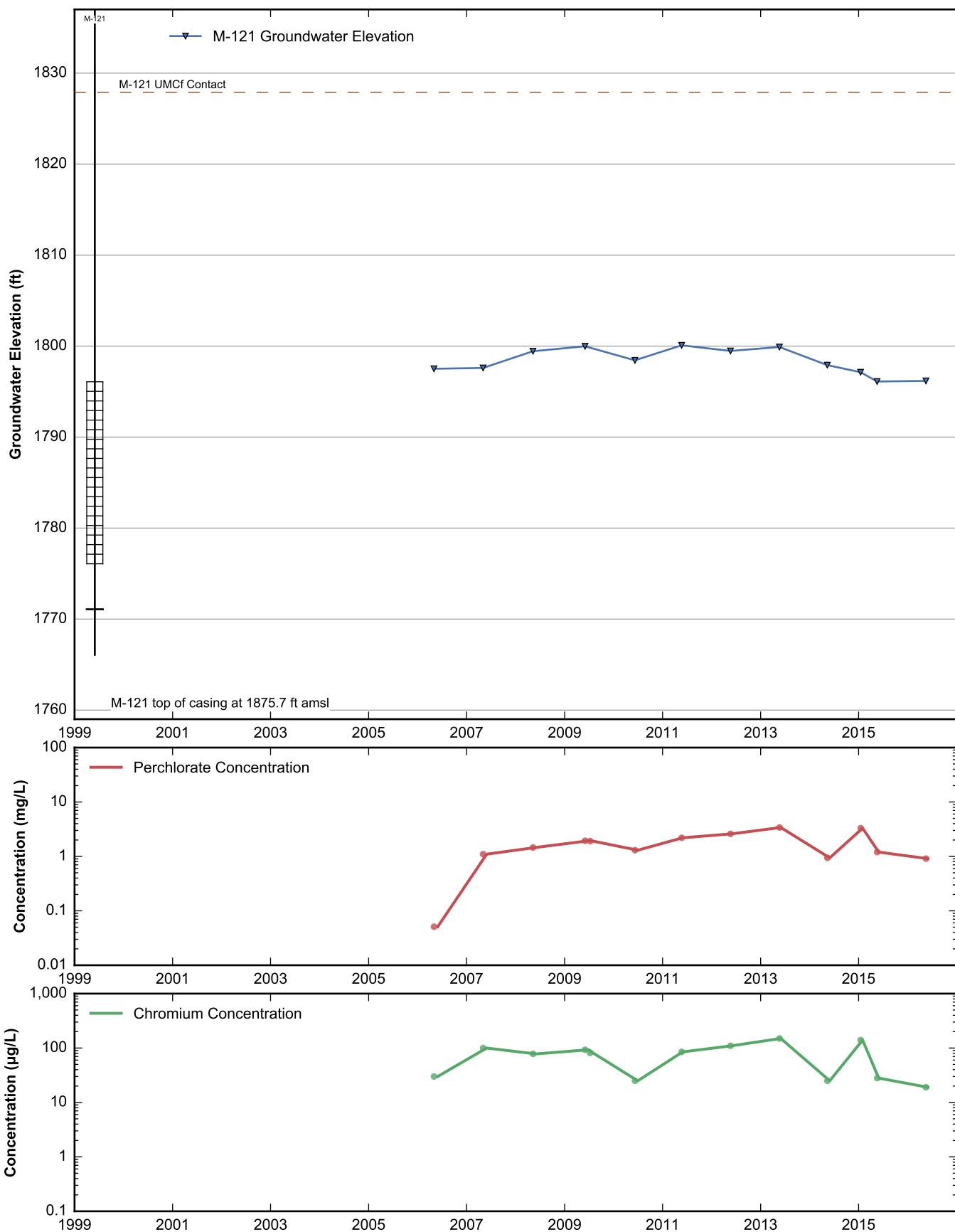


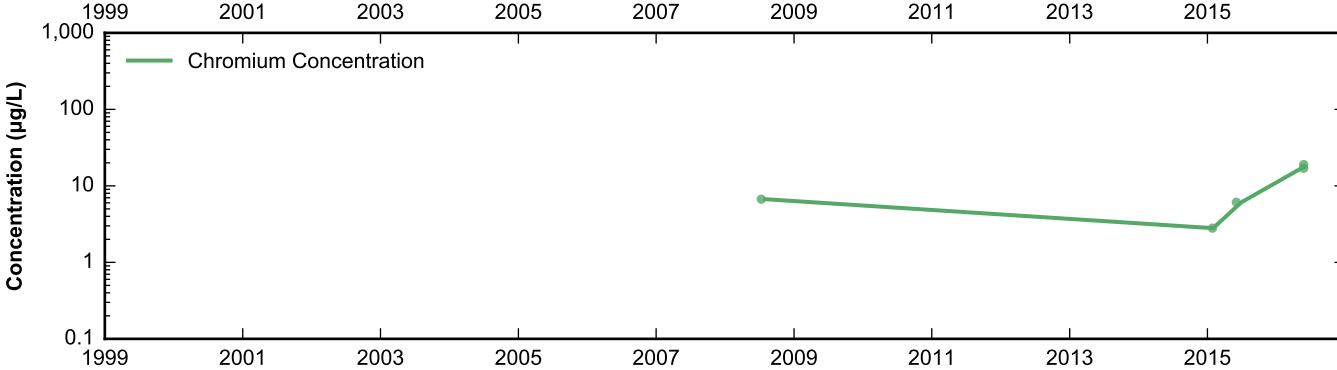
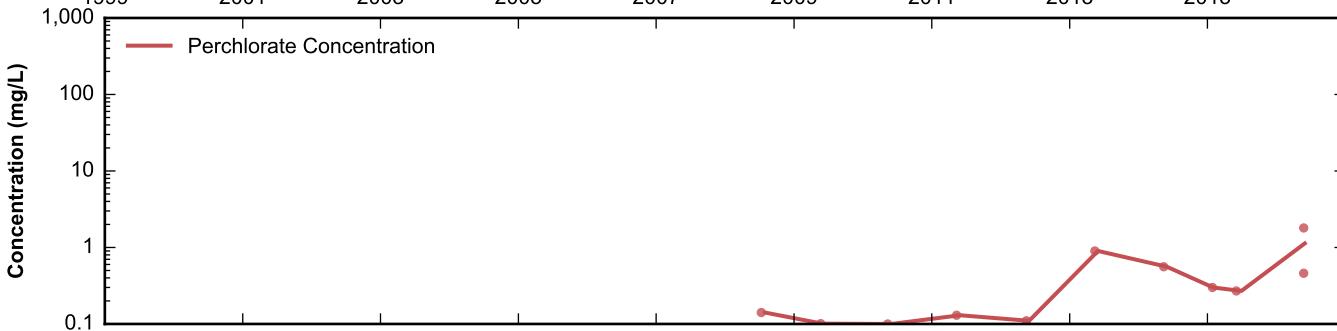
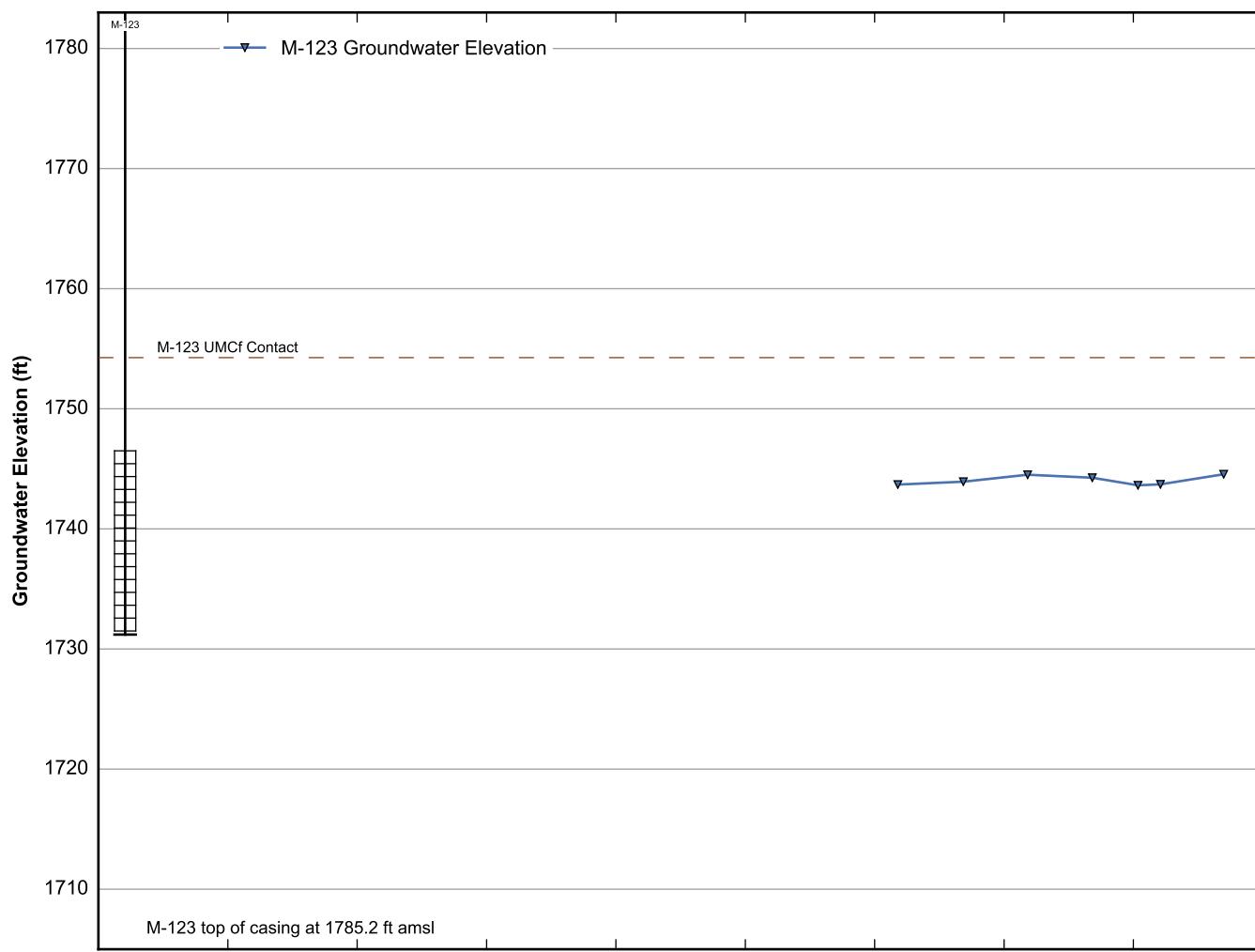




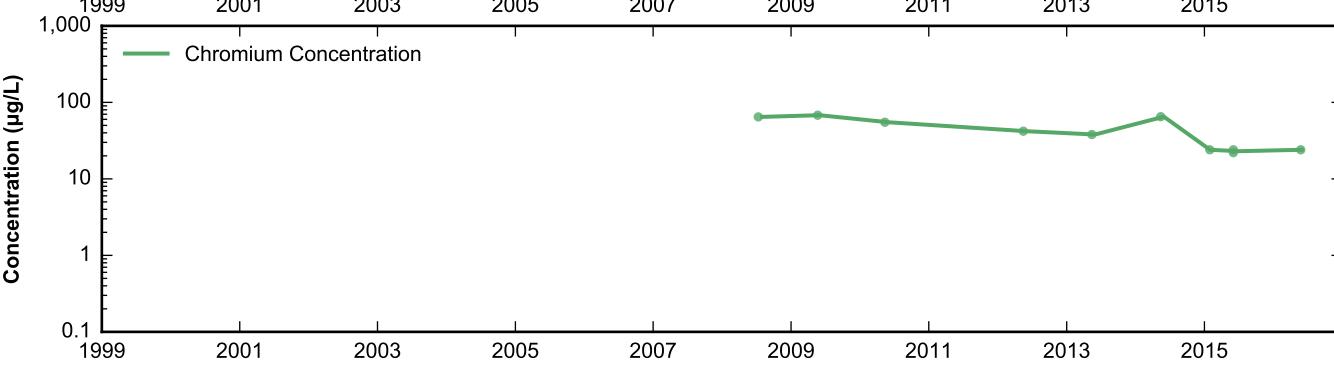
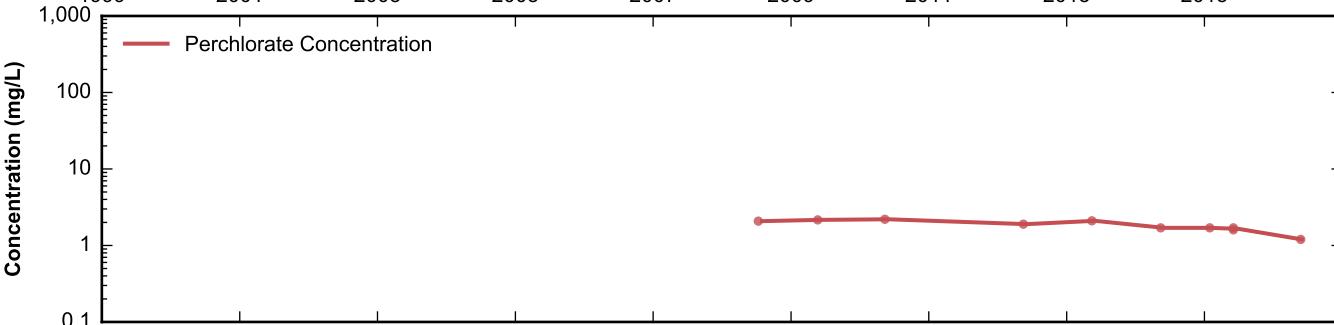
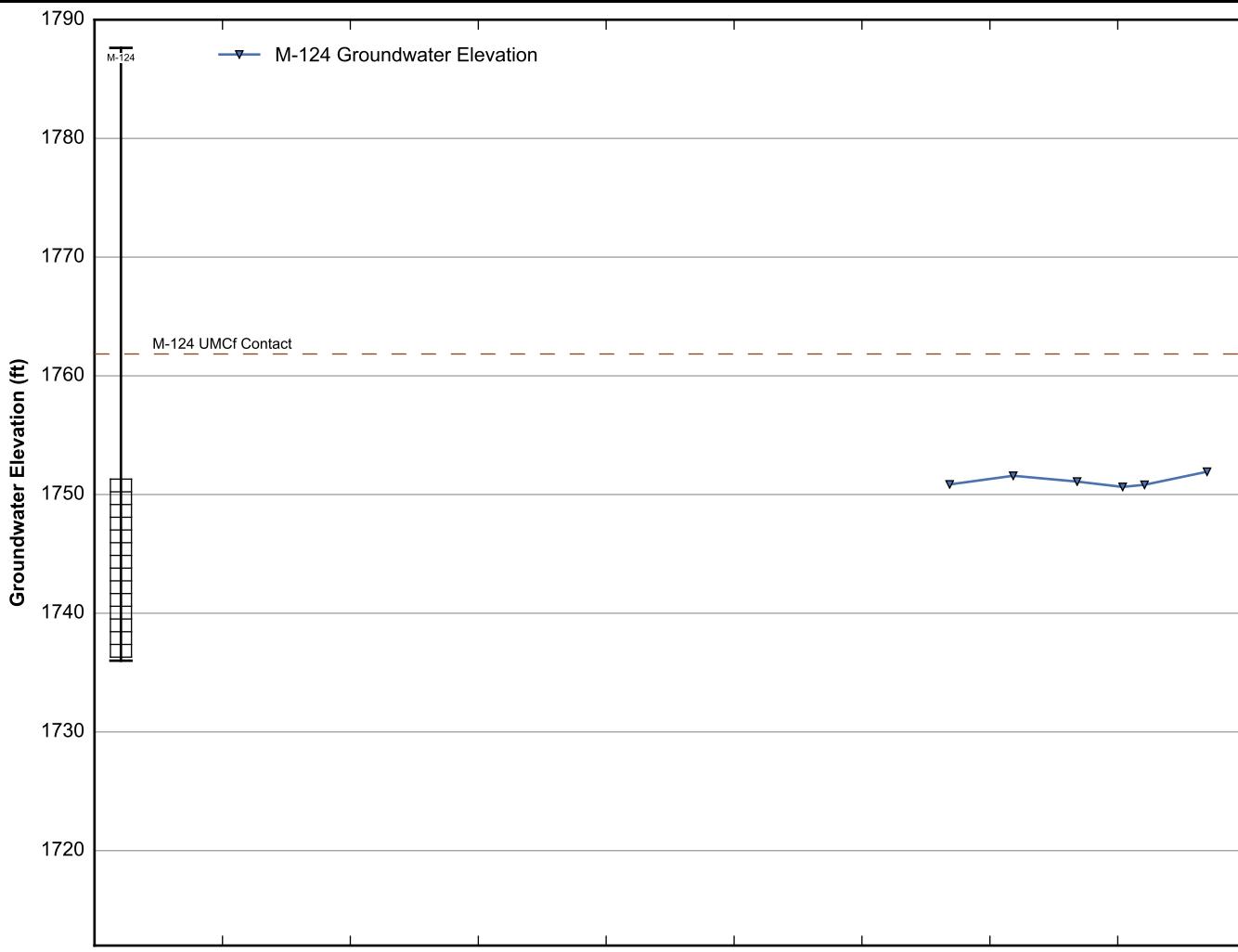


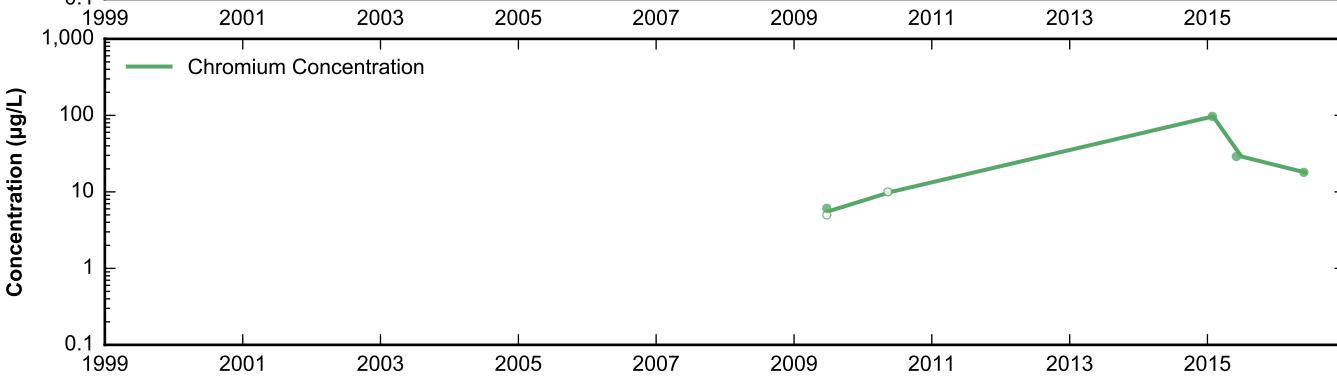
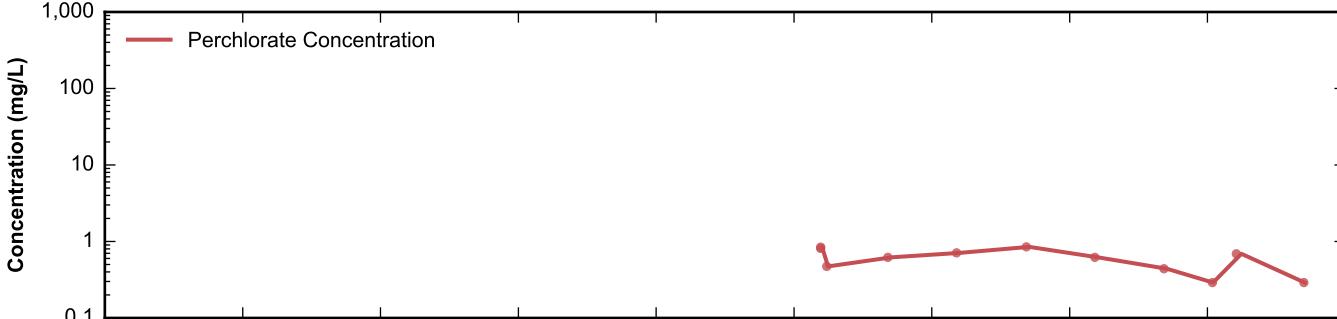
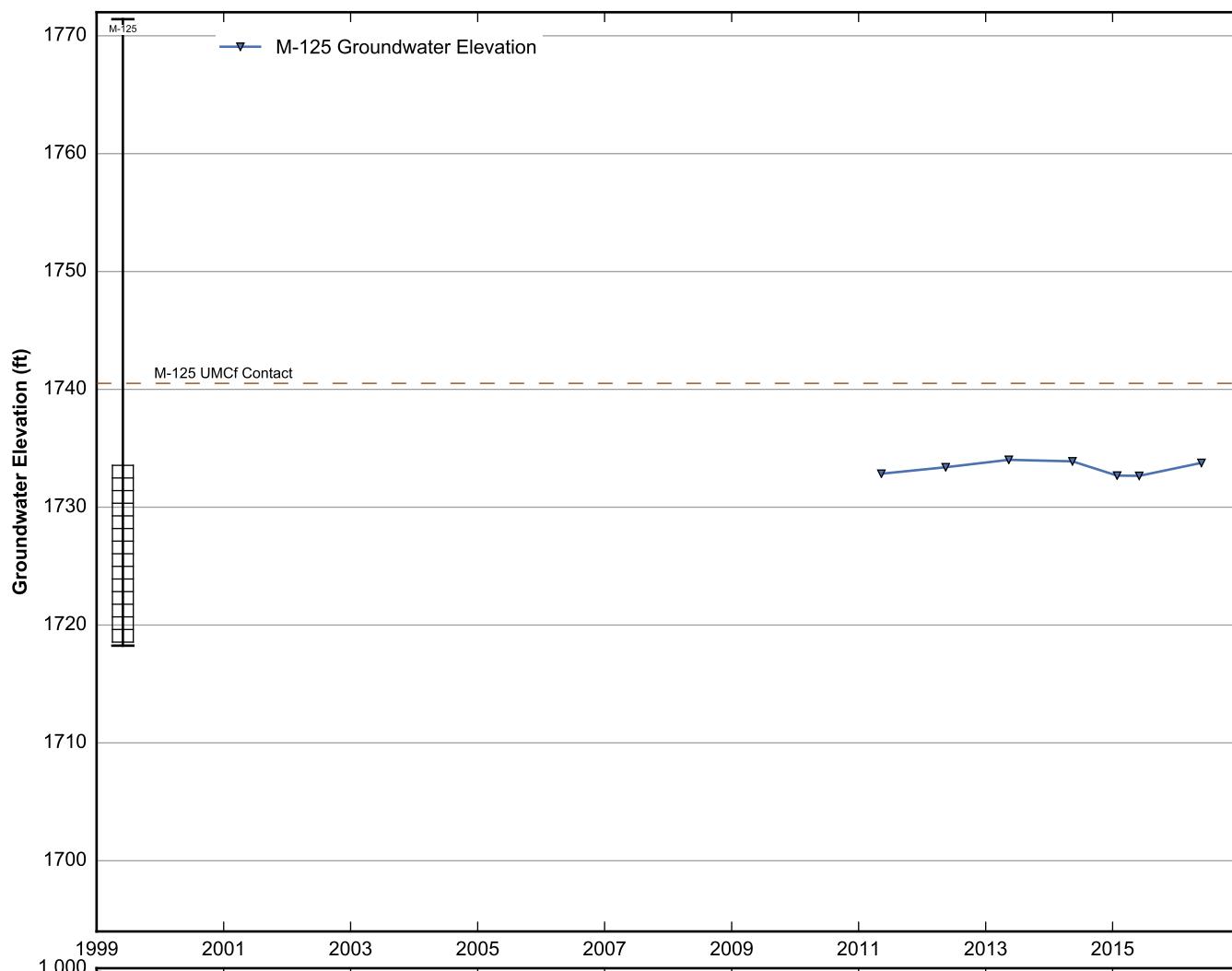


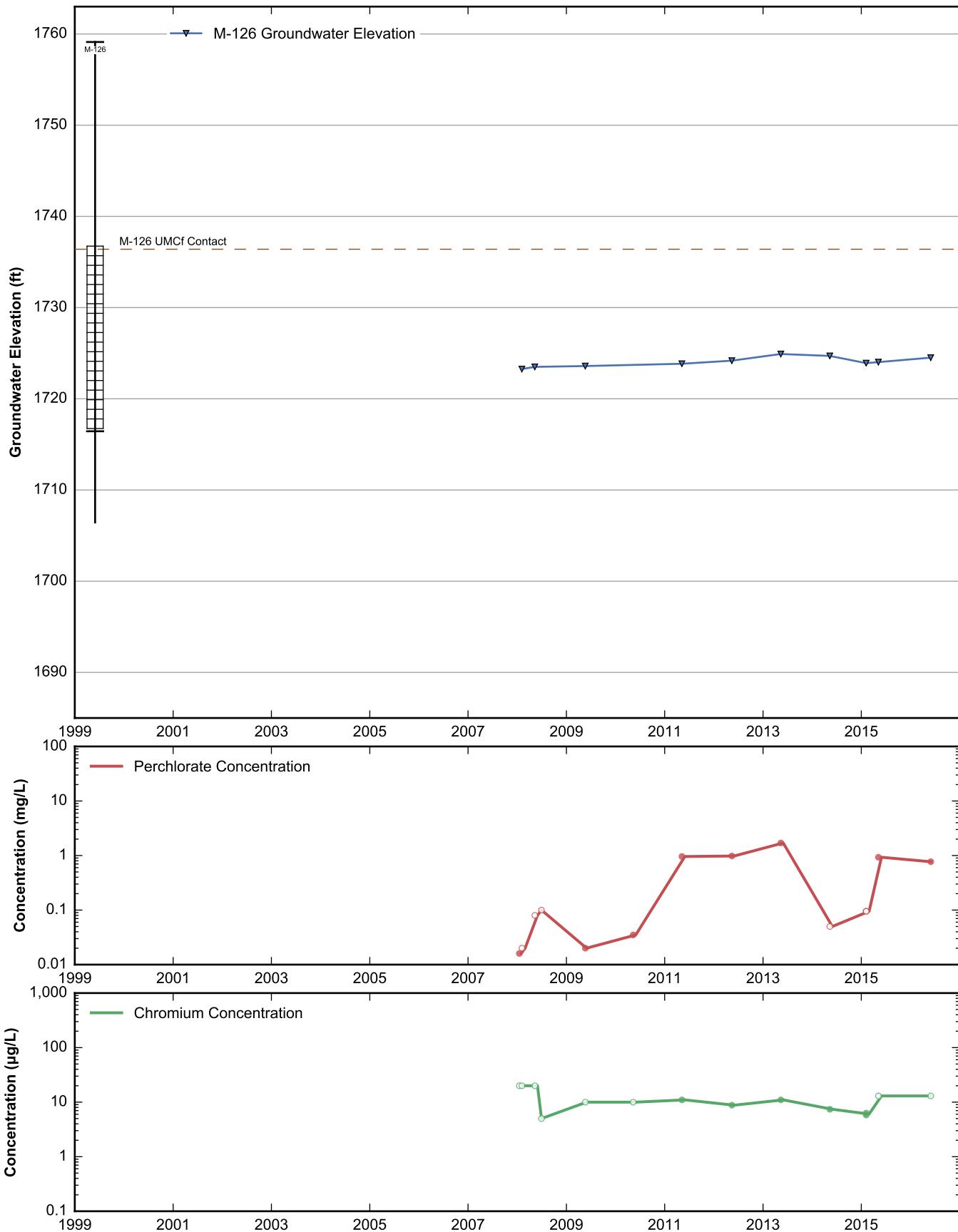


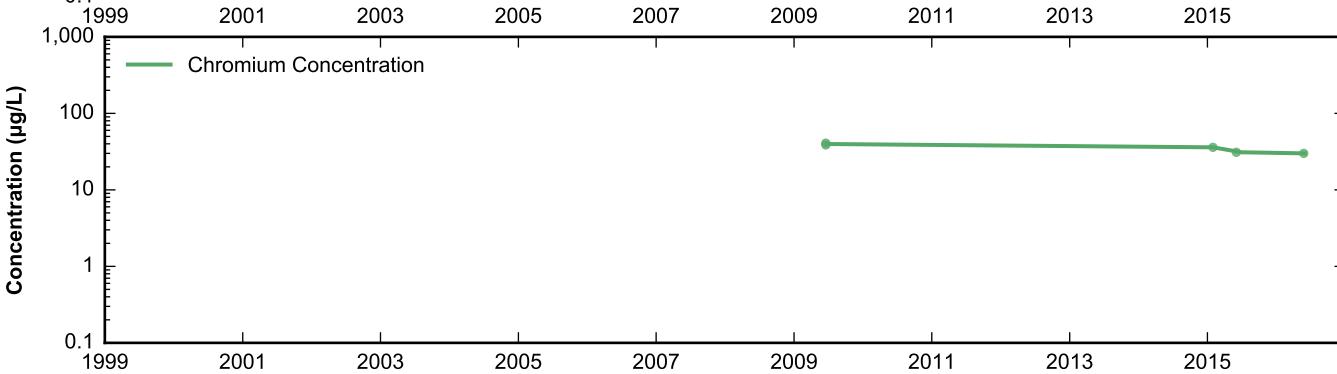
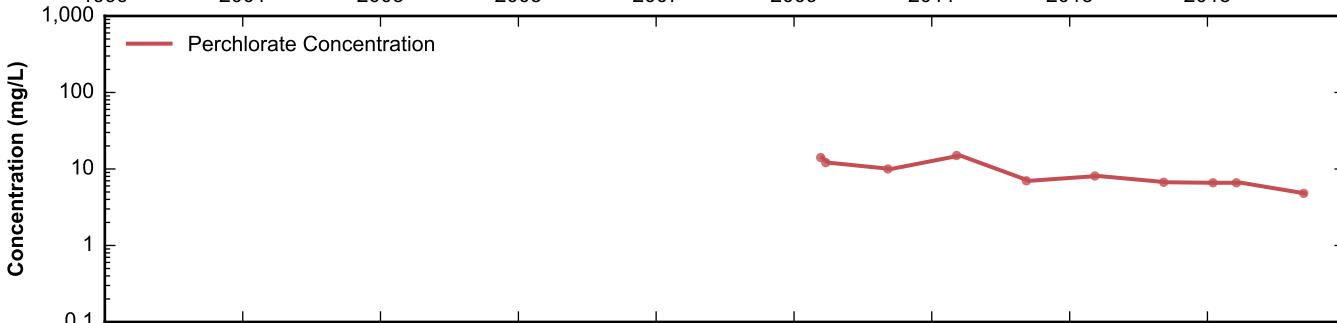
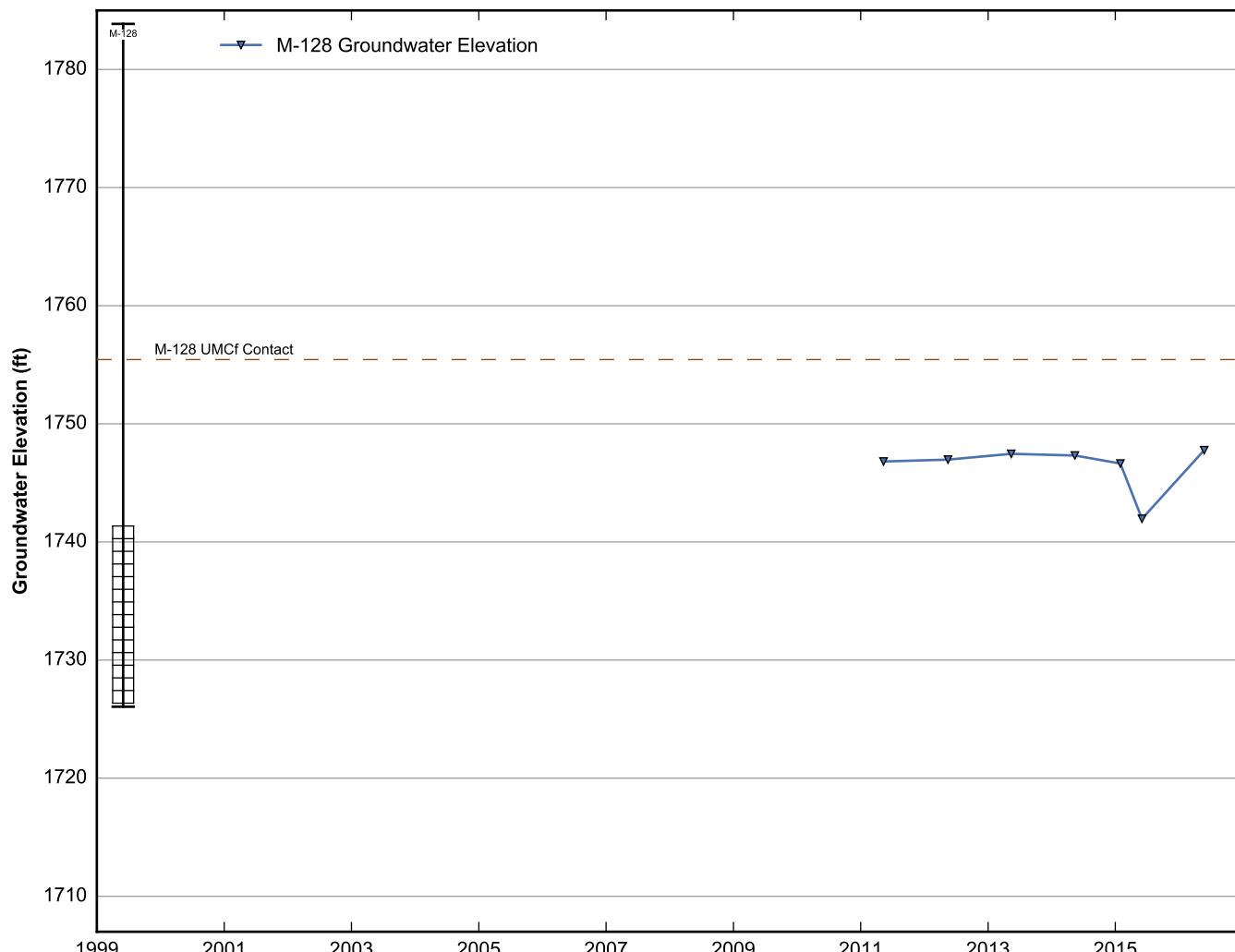


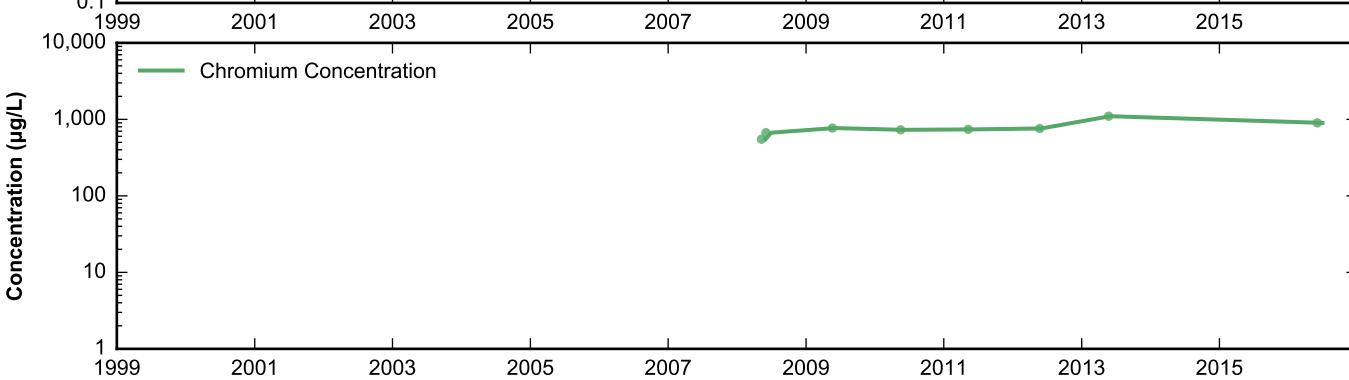
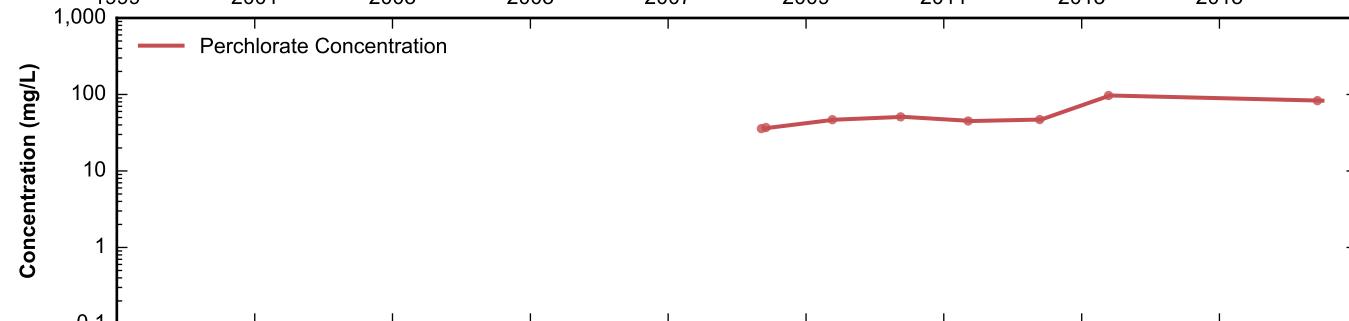
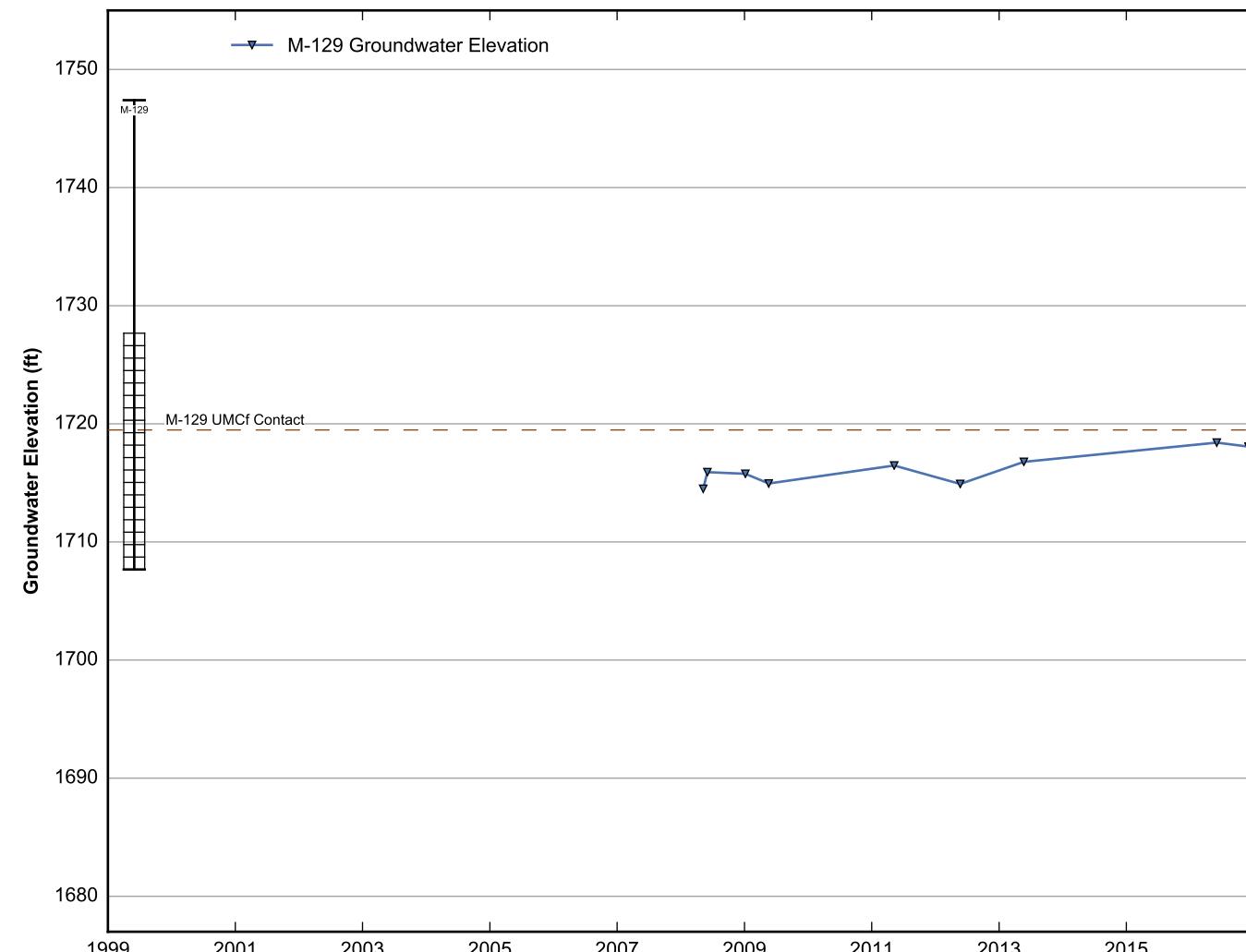
Data Sheet for Well M-123
Nevada Environmental Response Trust Site
Henderson, Nevada

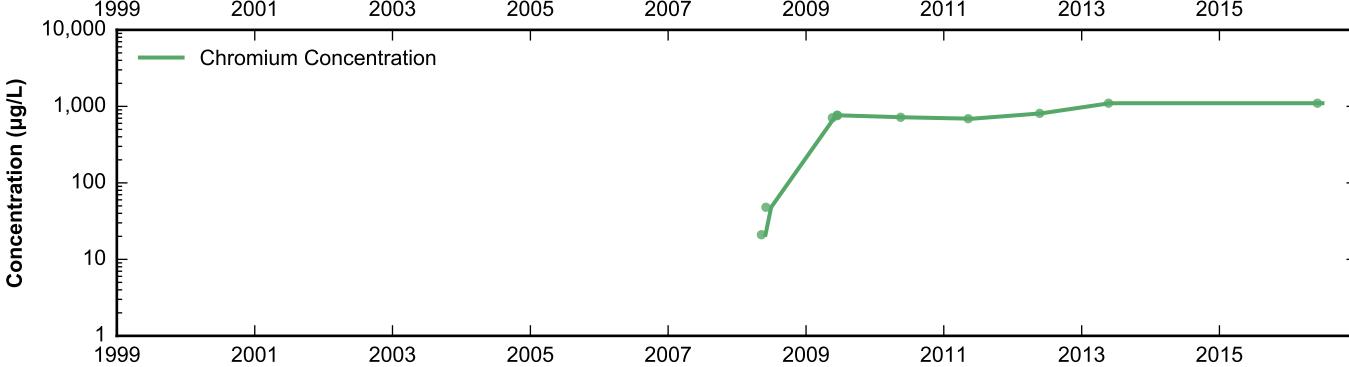
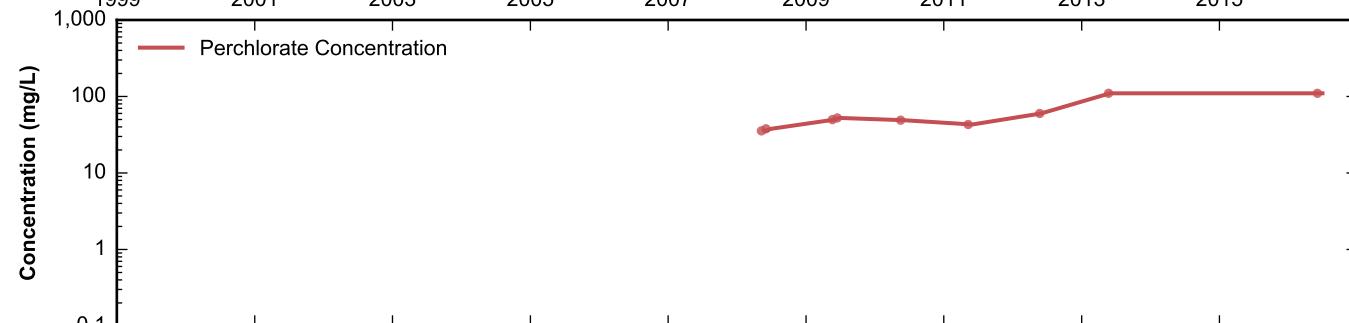
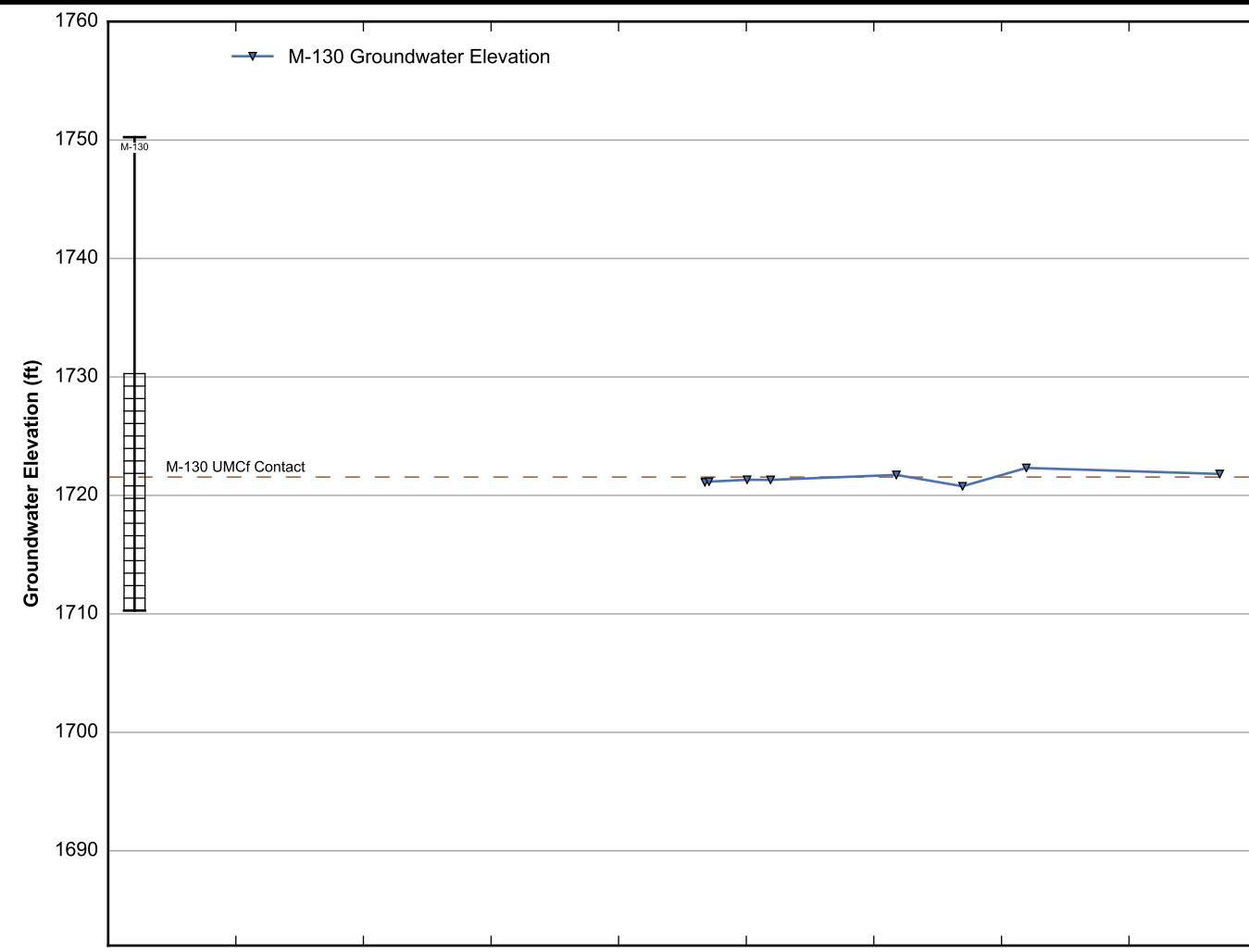


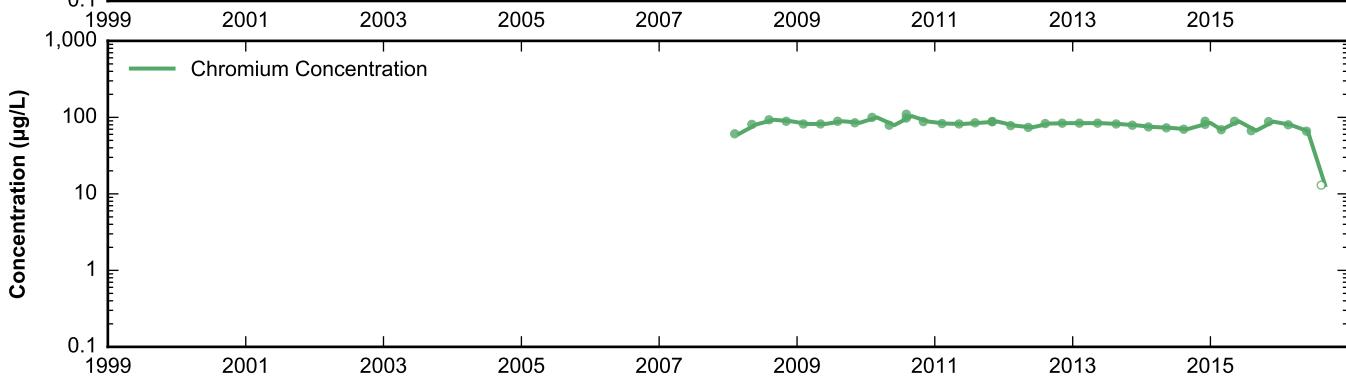
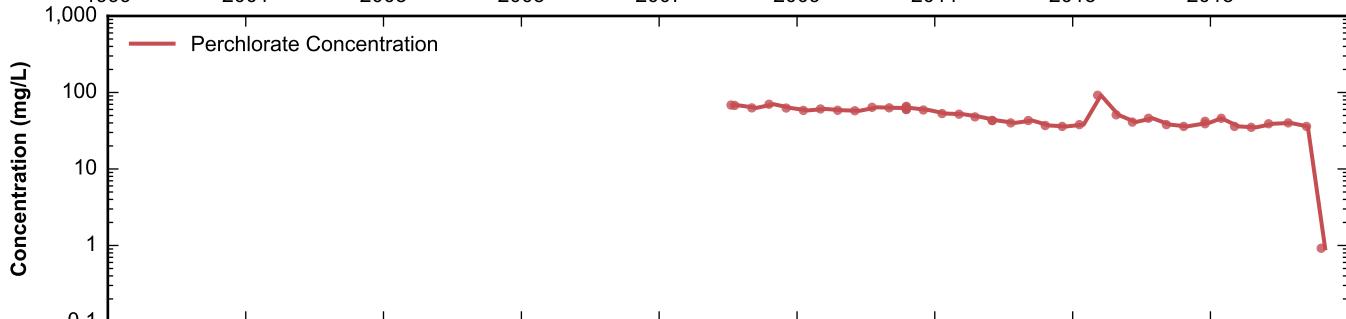
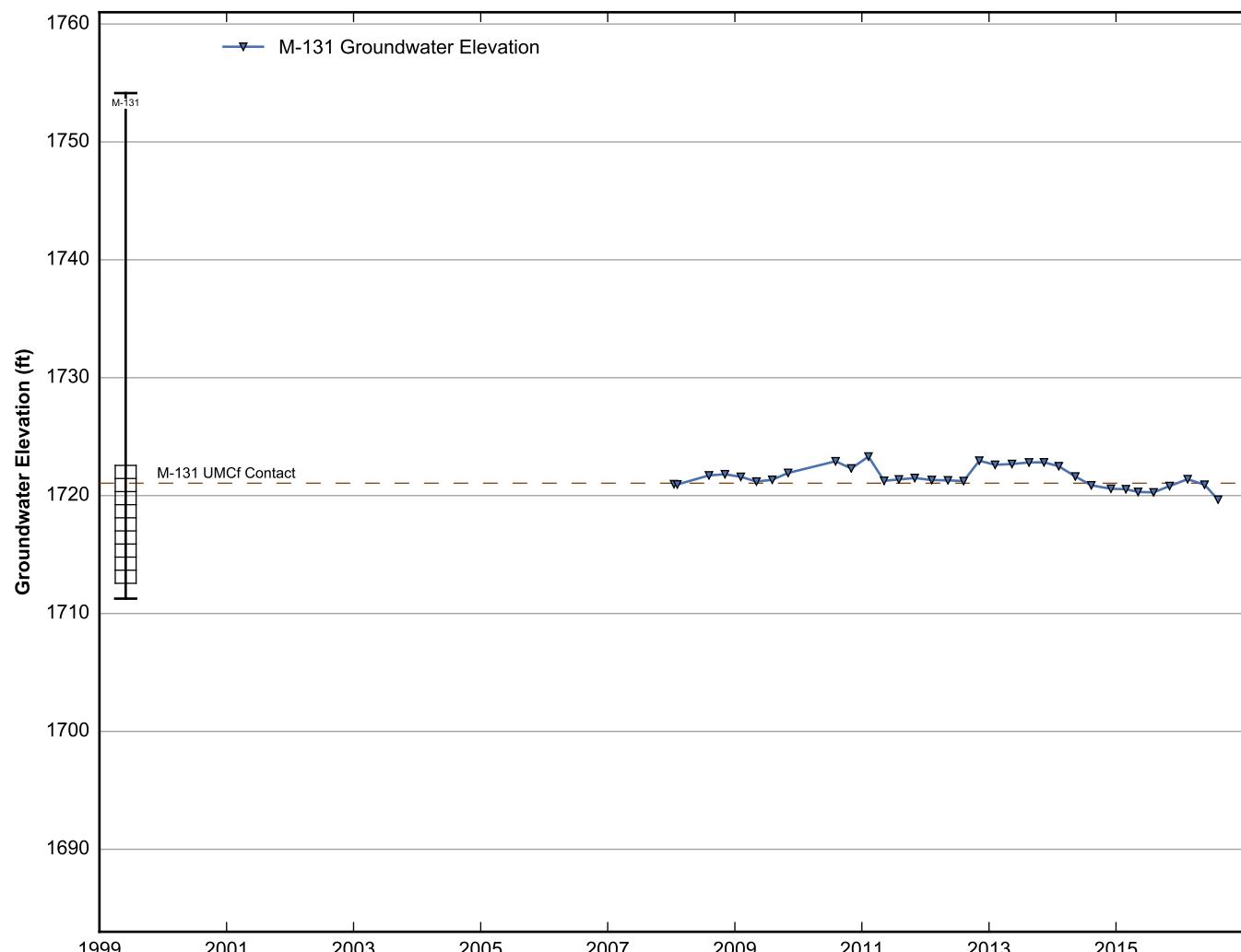


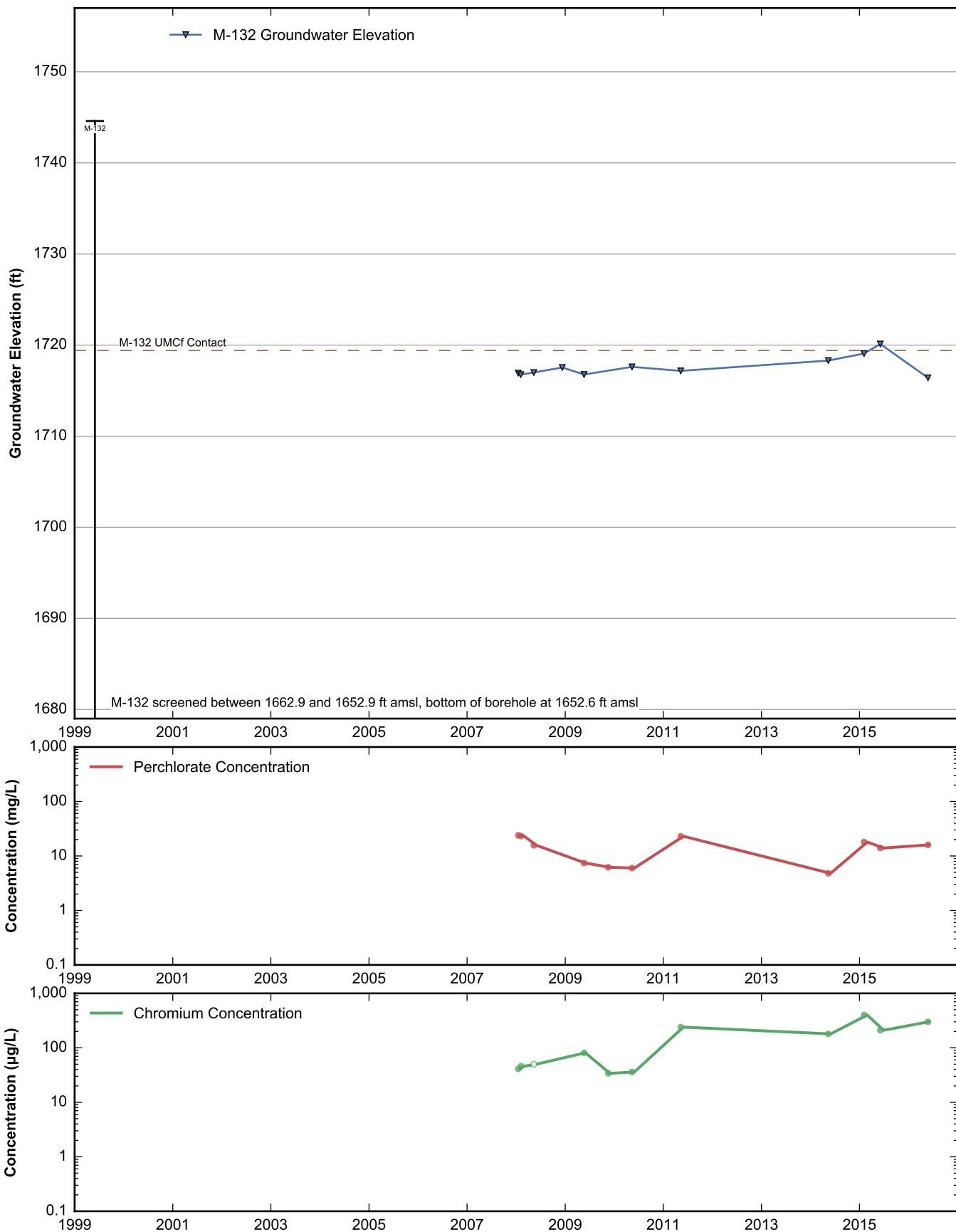


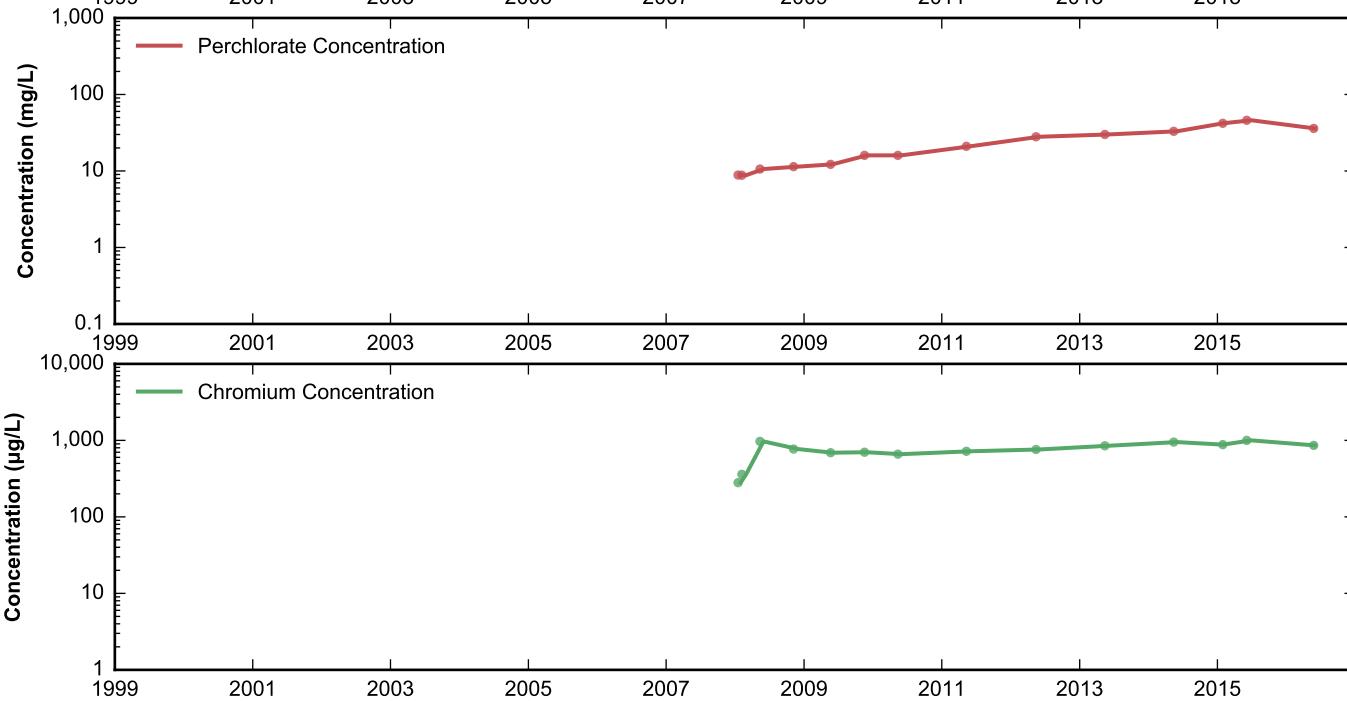
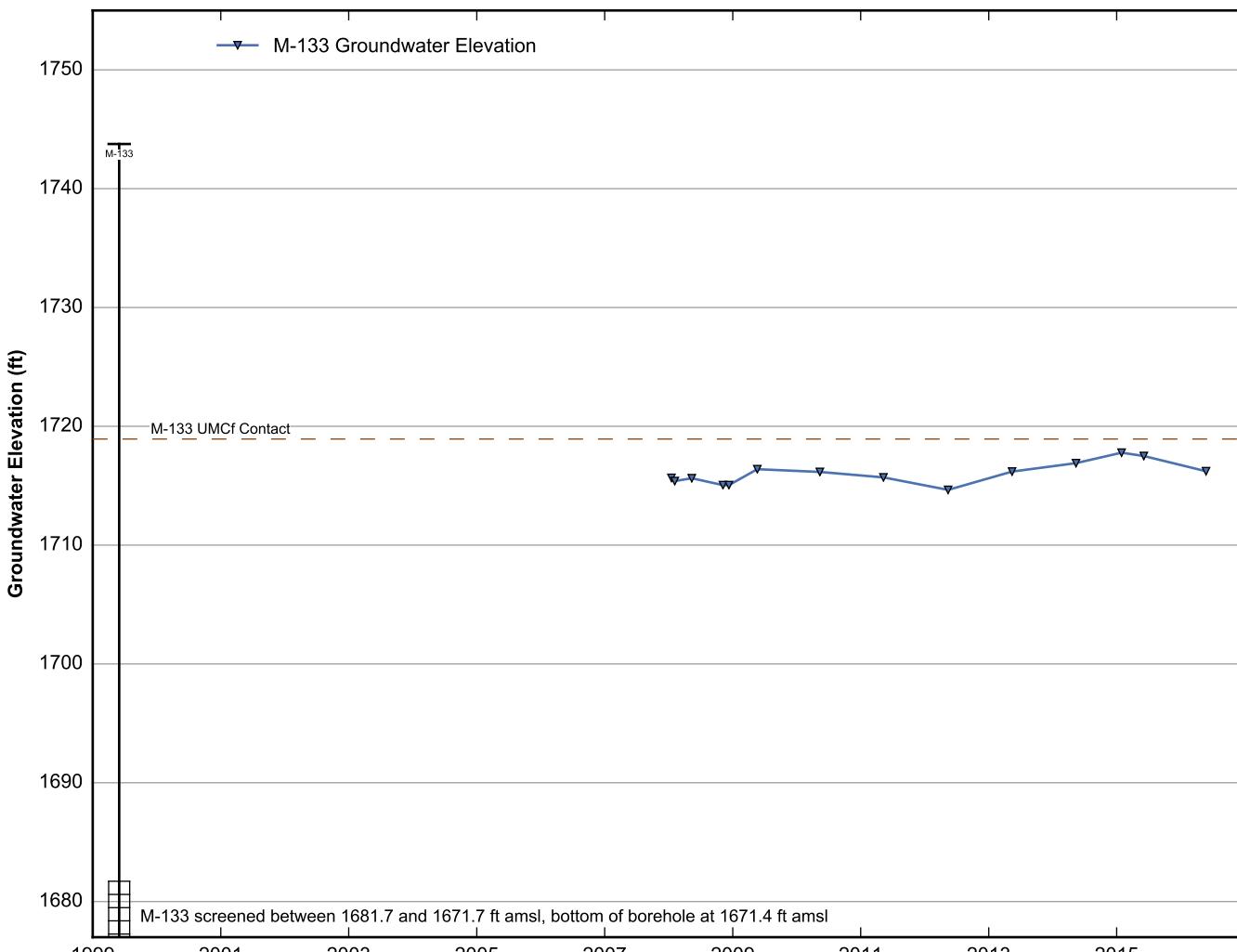


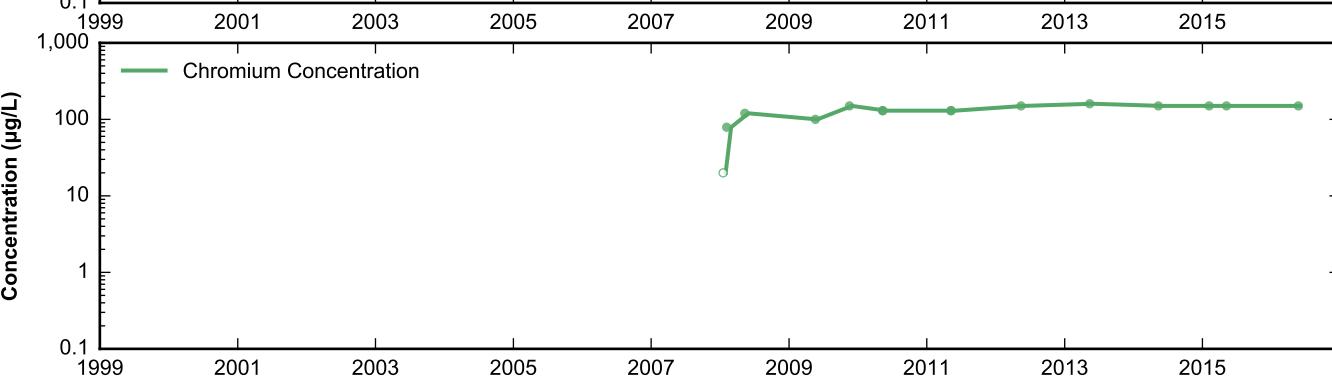
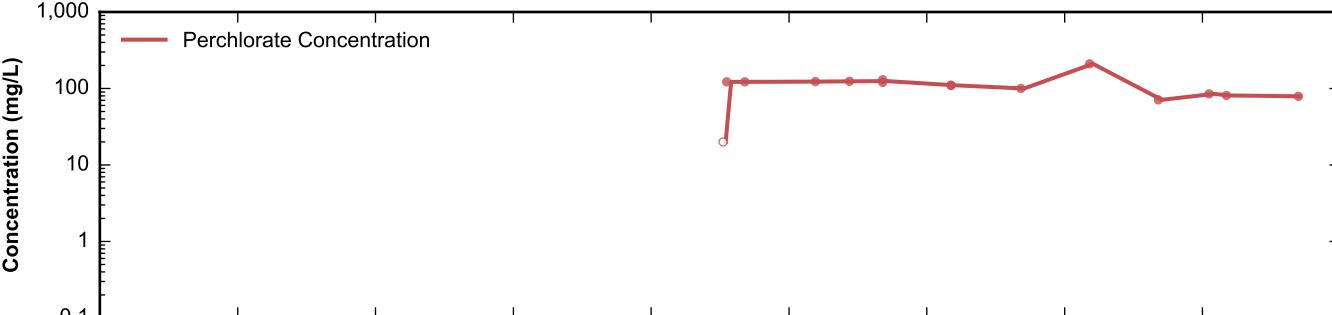
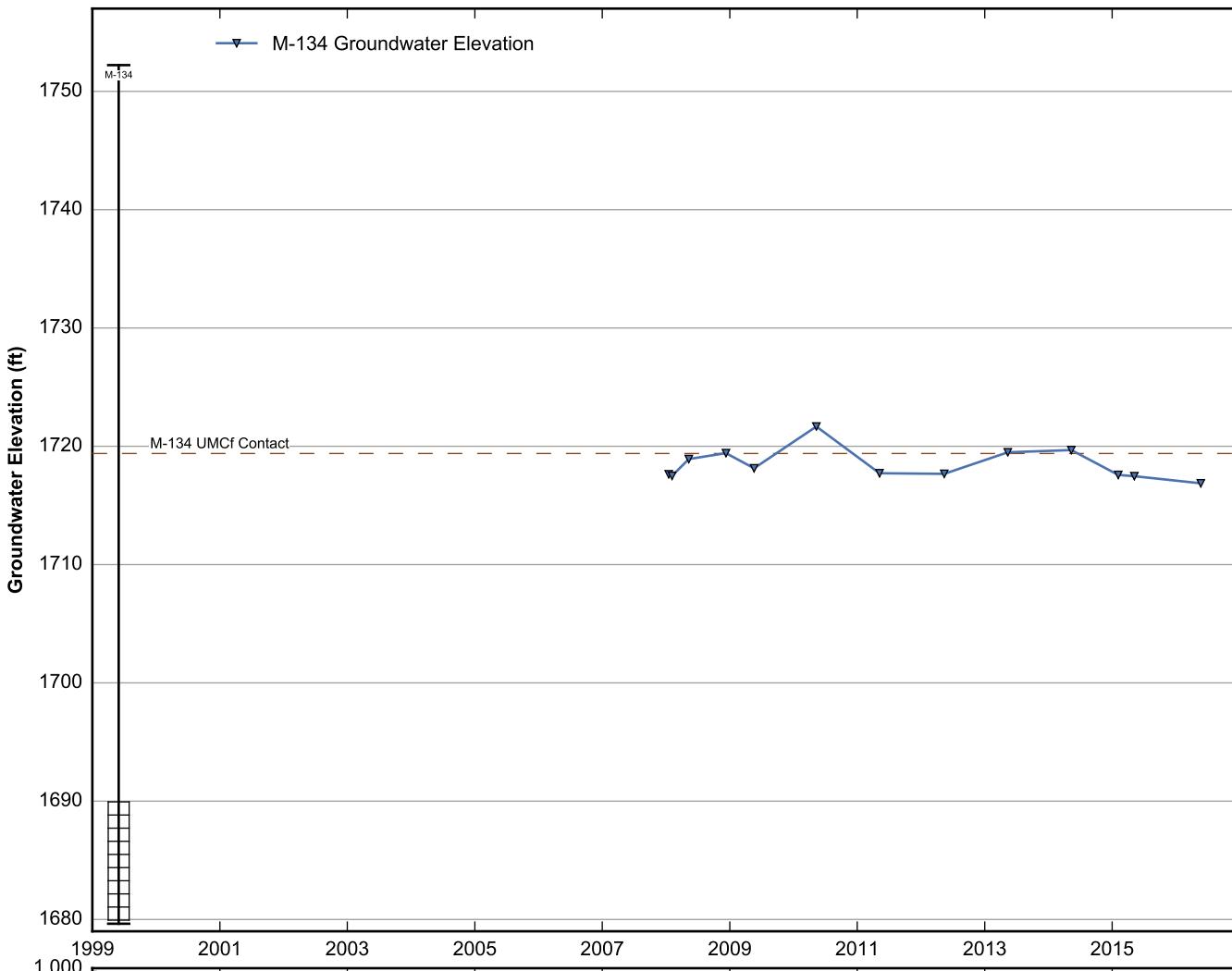


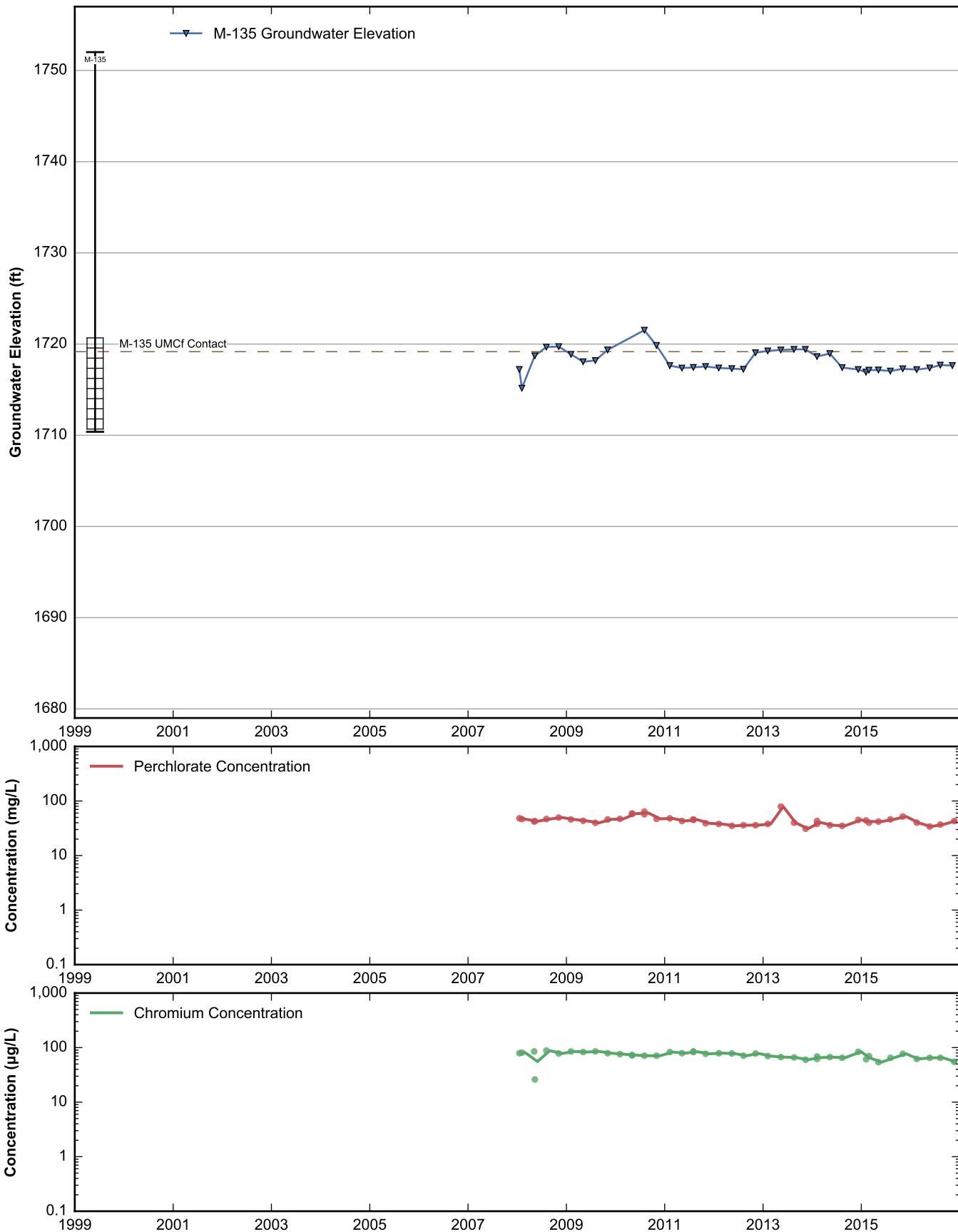


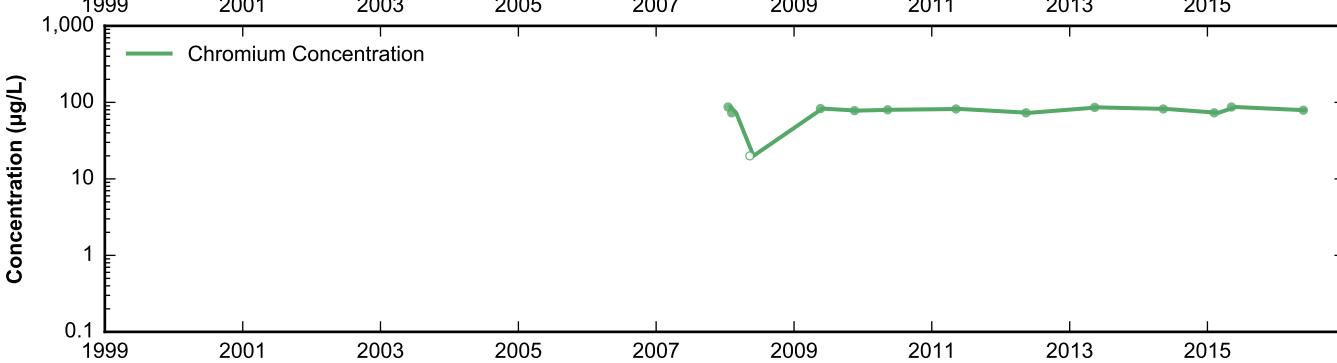
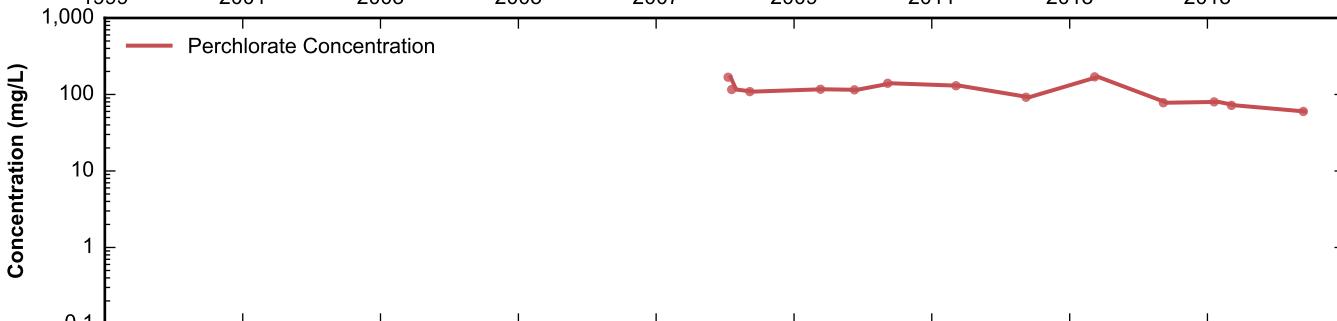
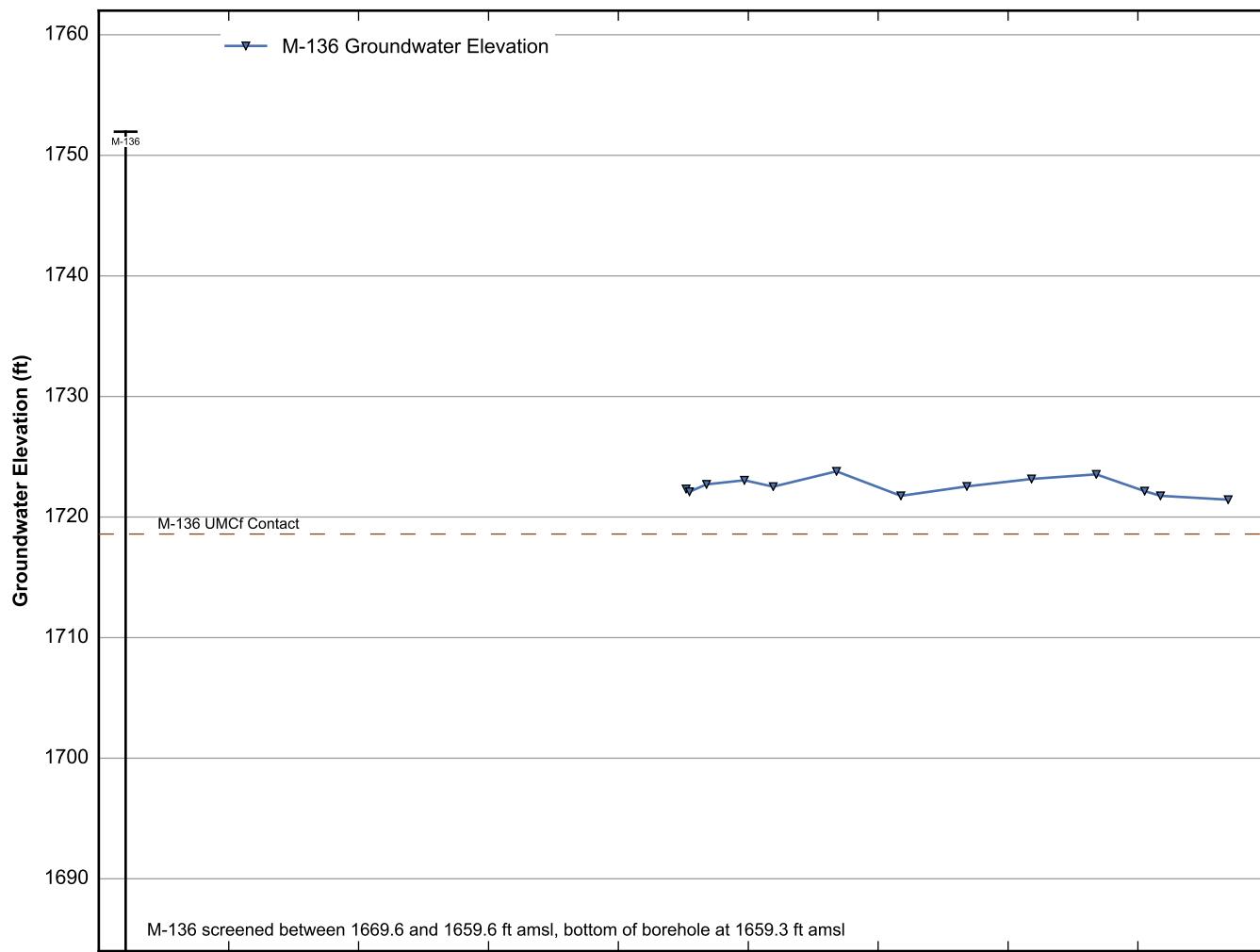


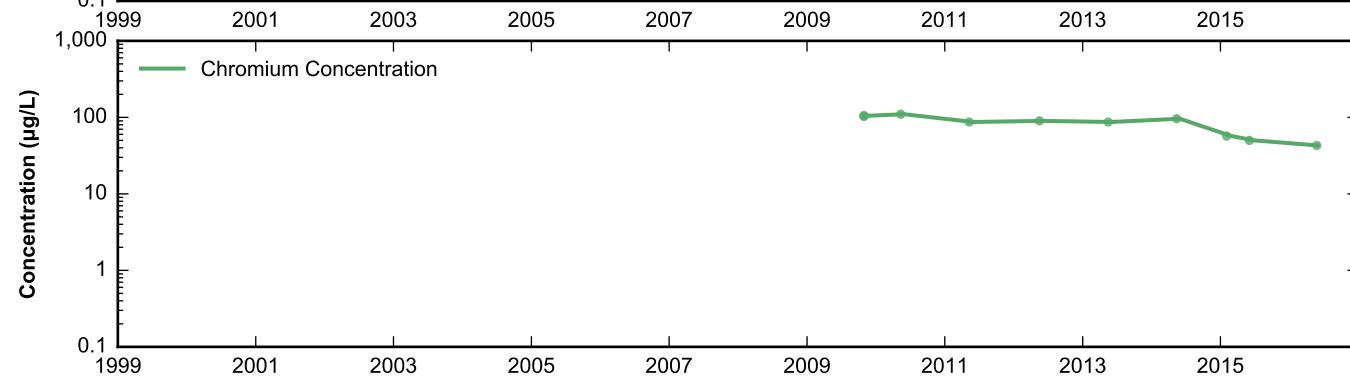
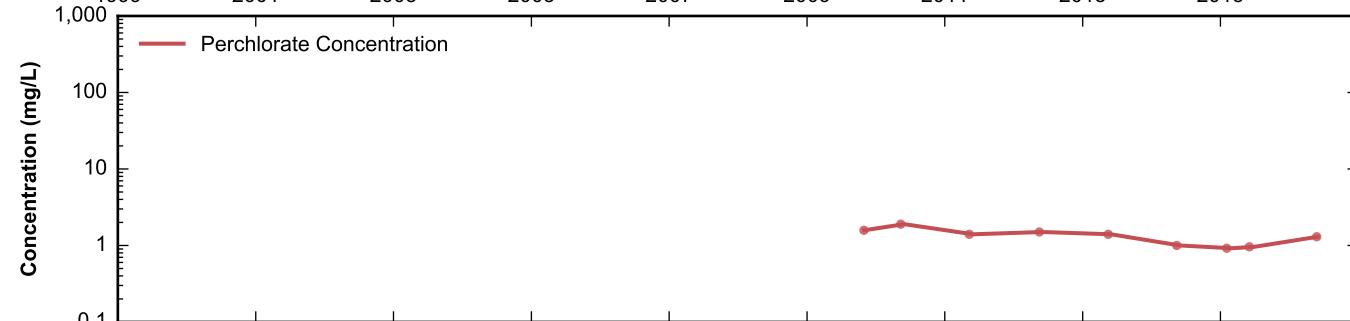
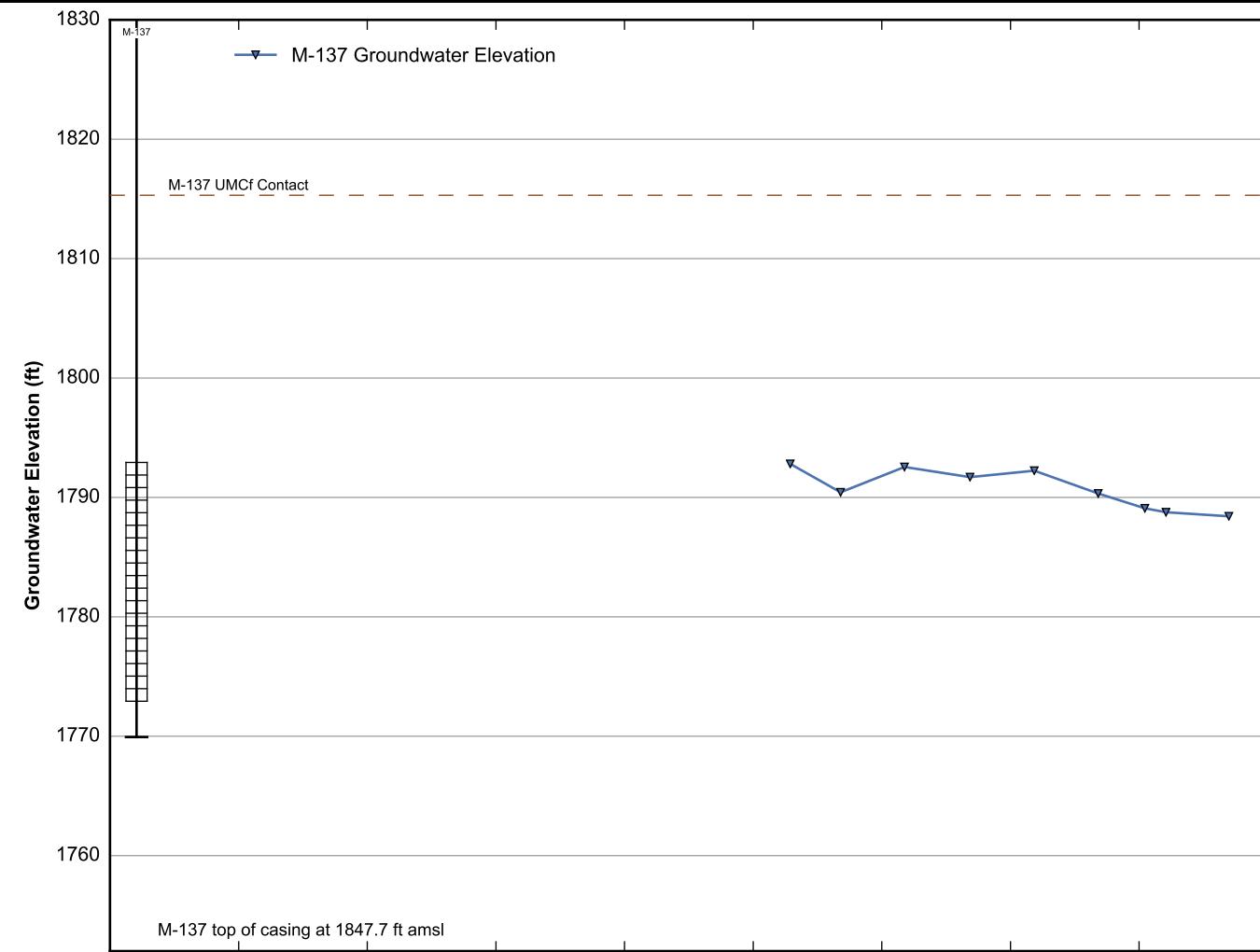


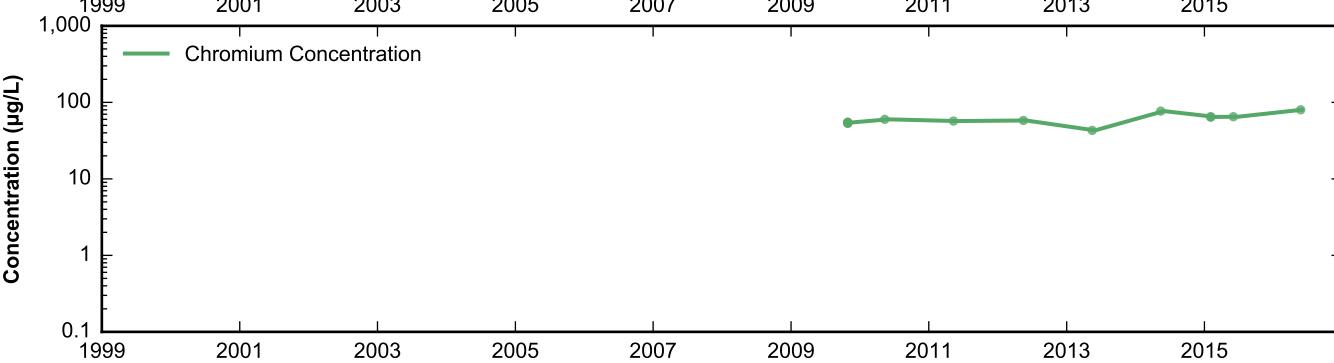
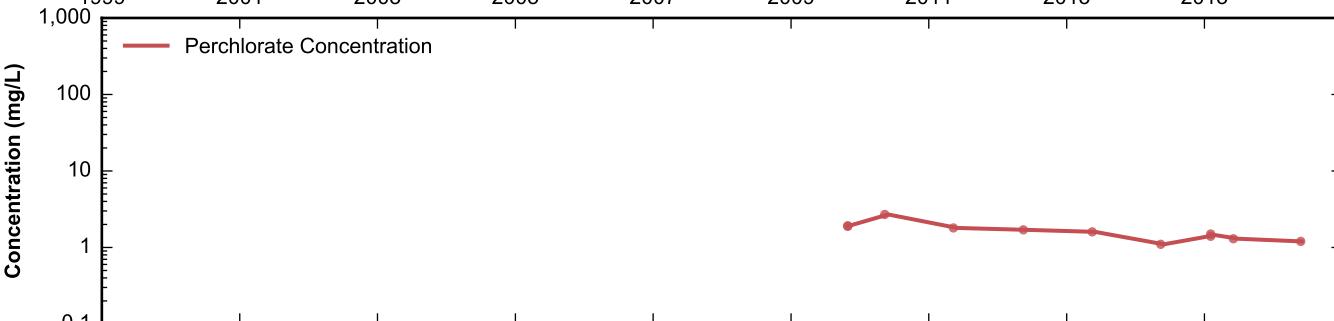
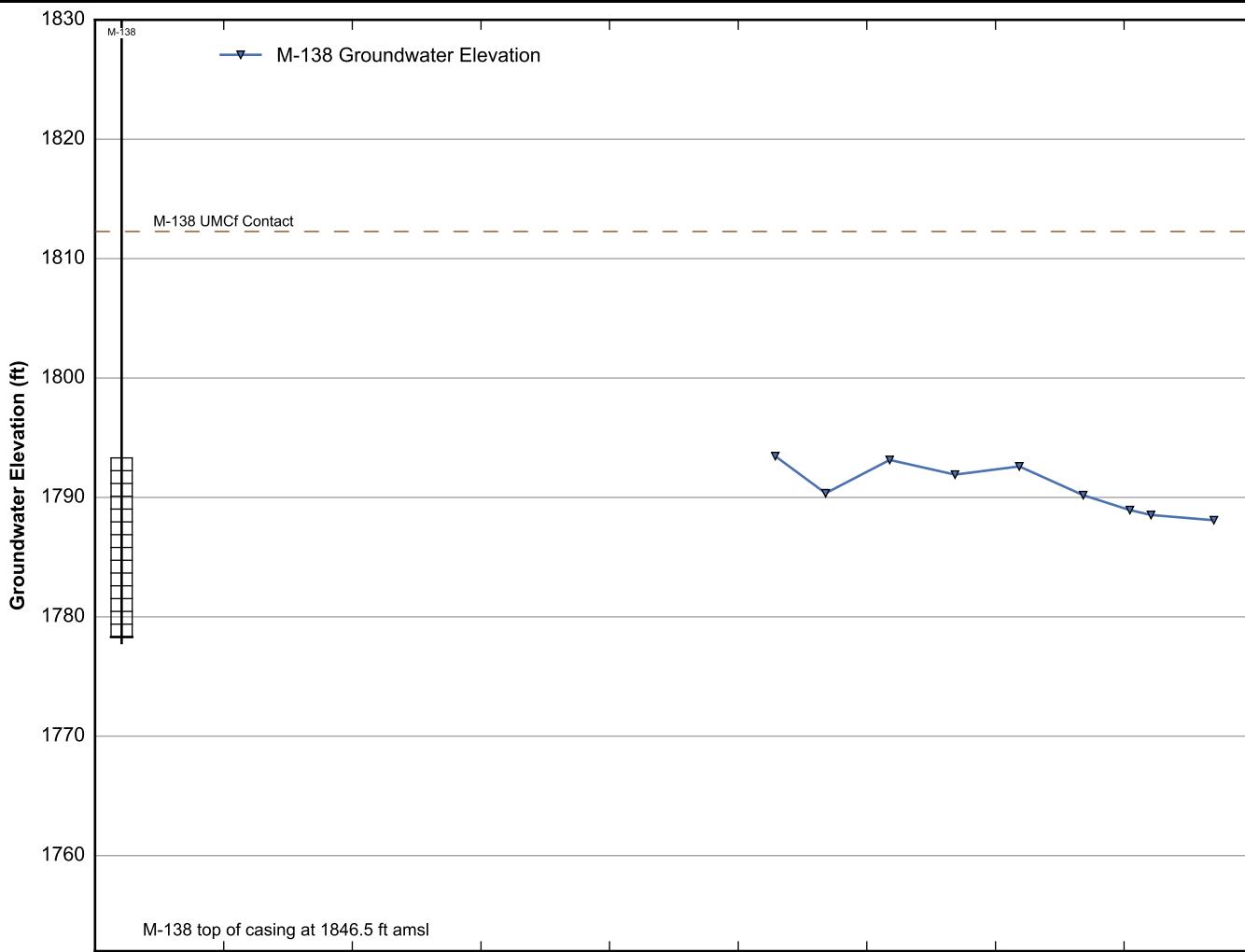


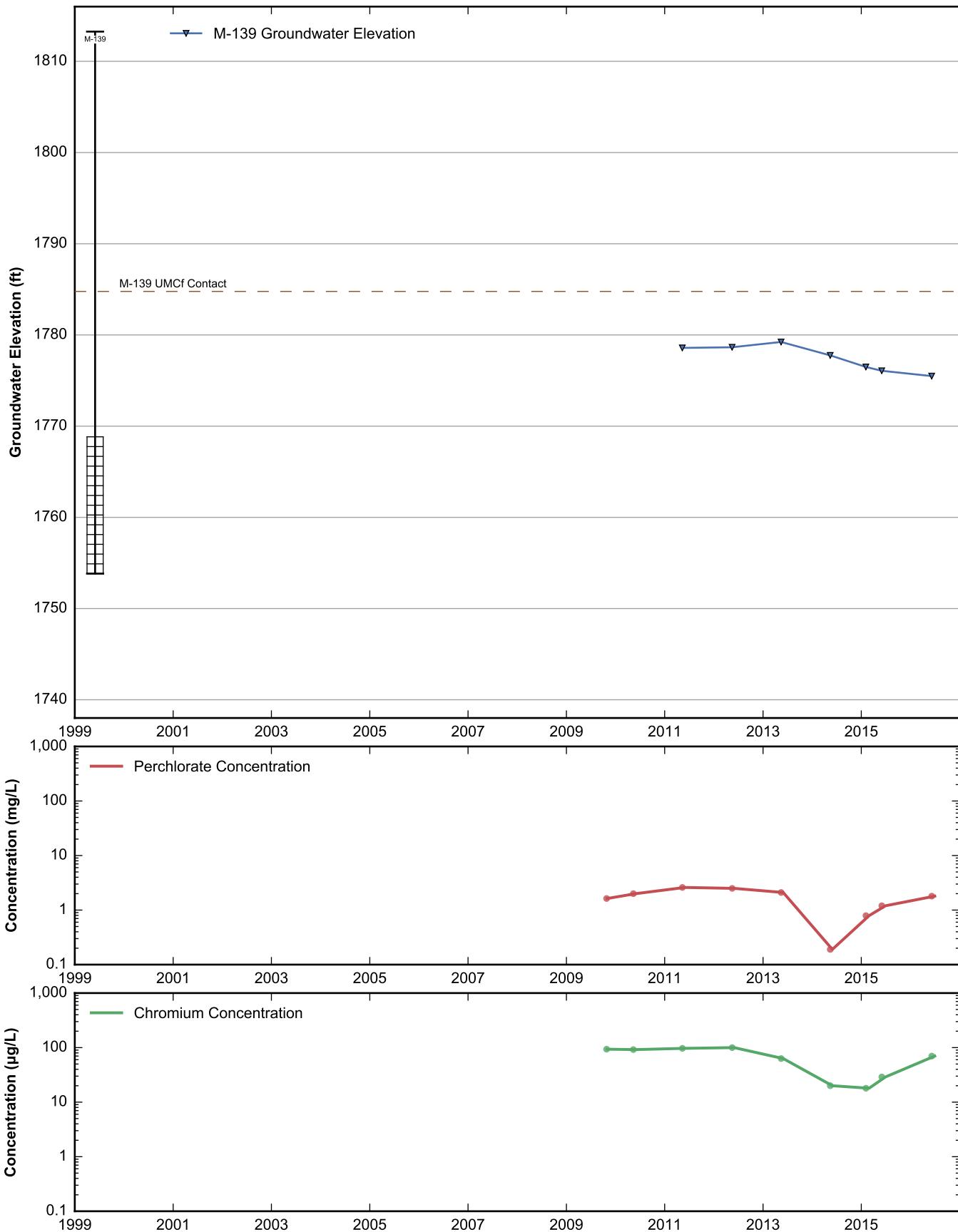


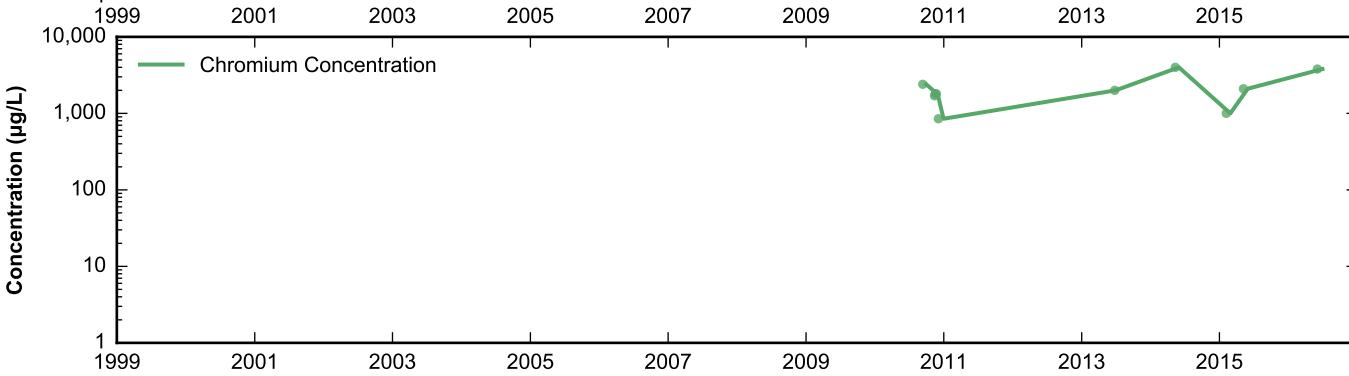
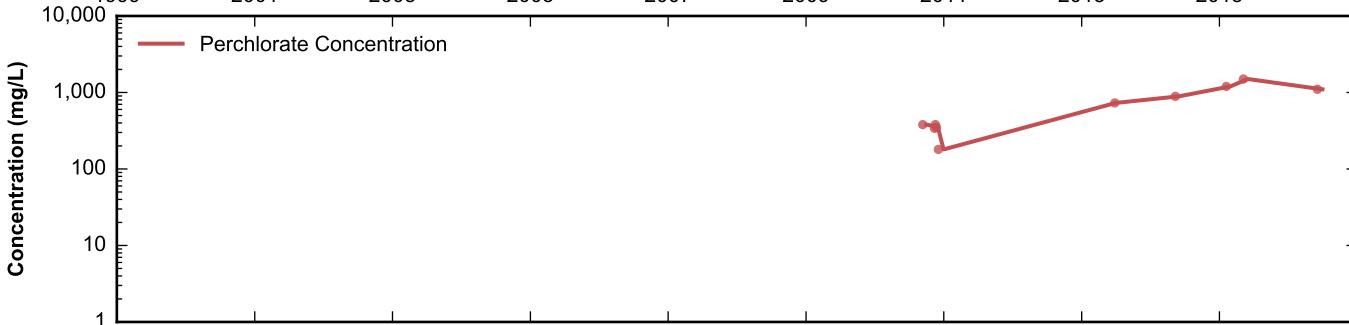
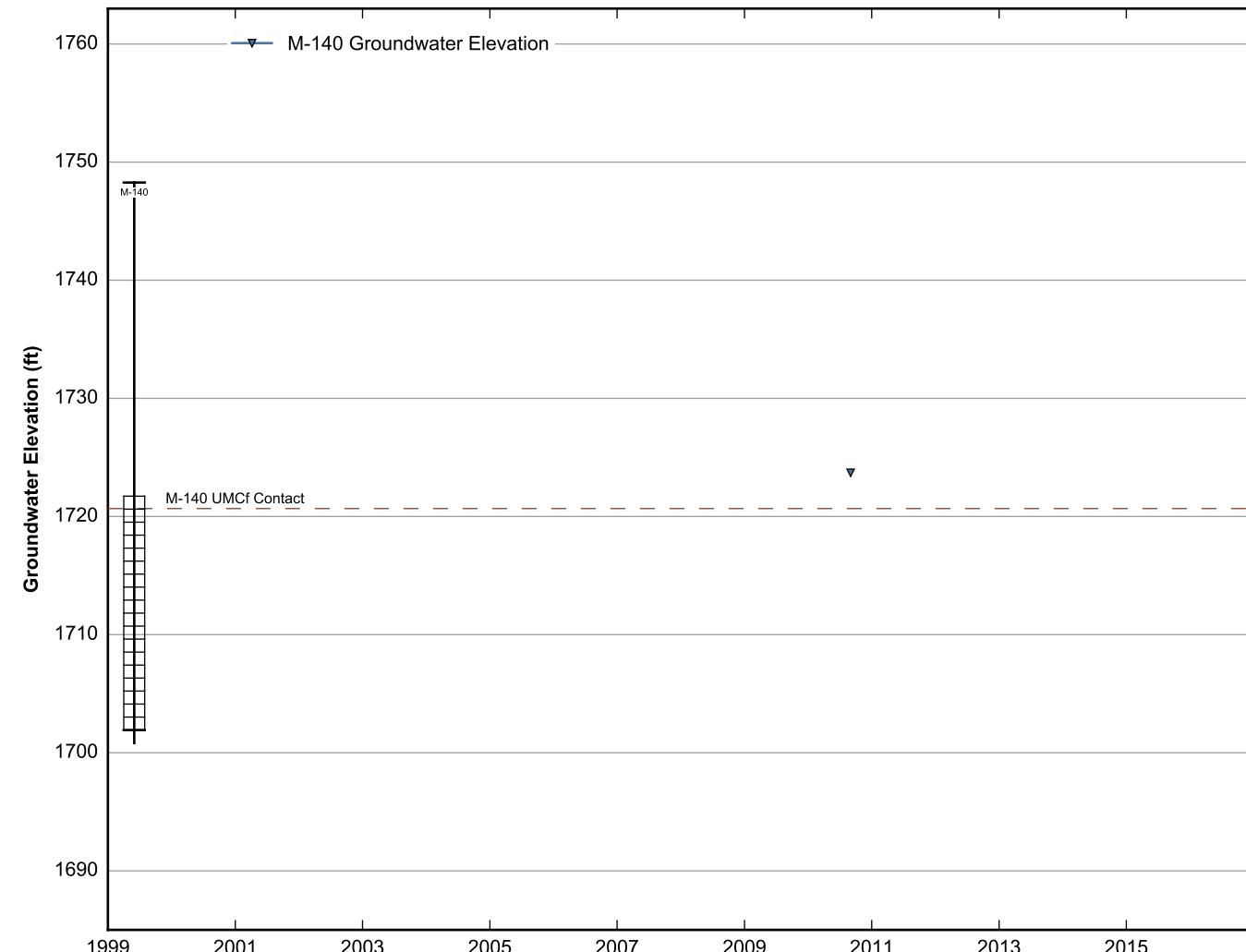


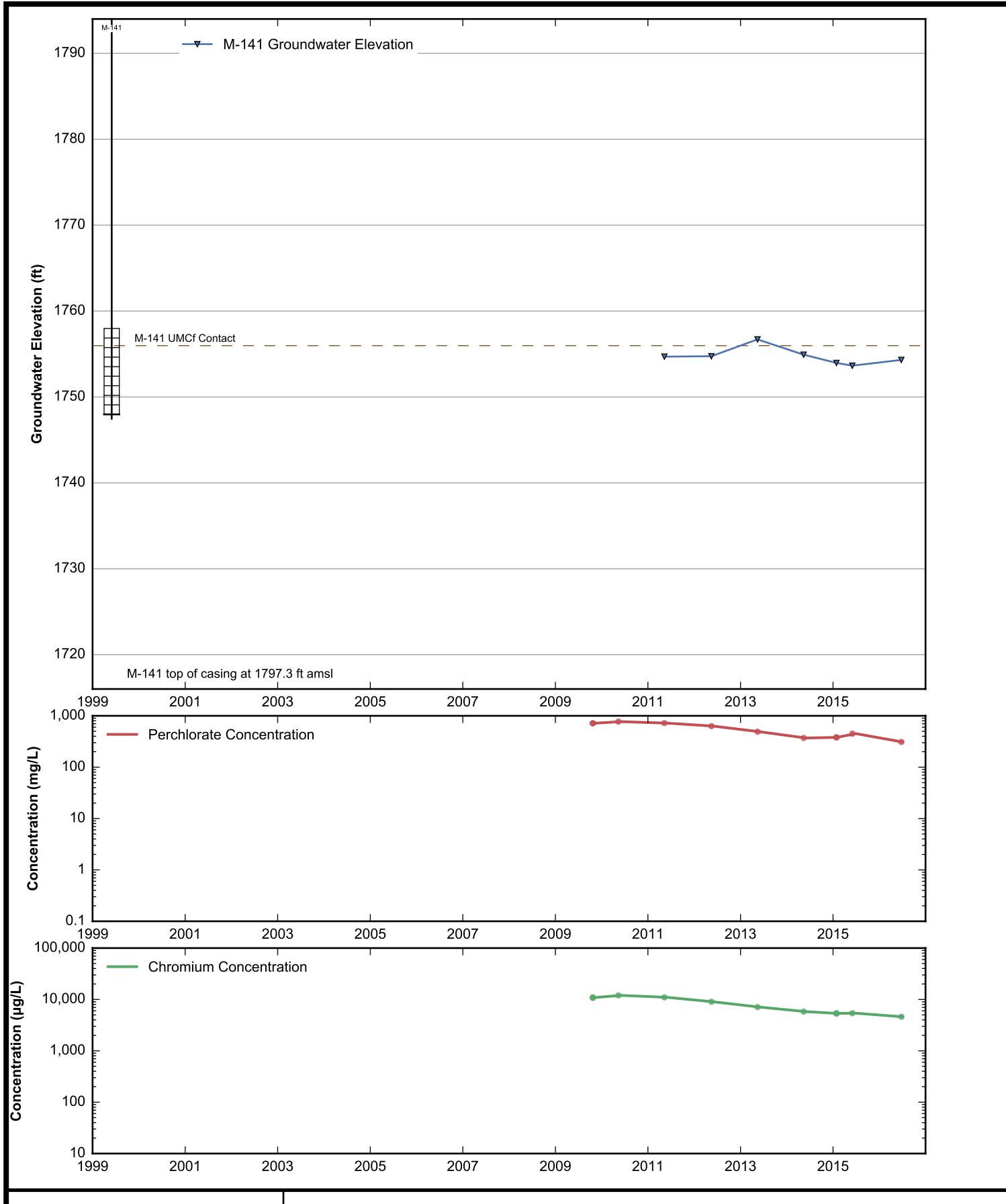


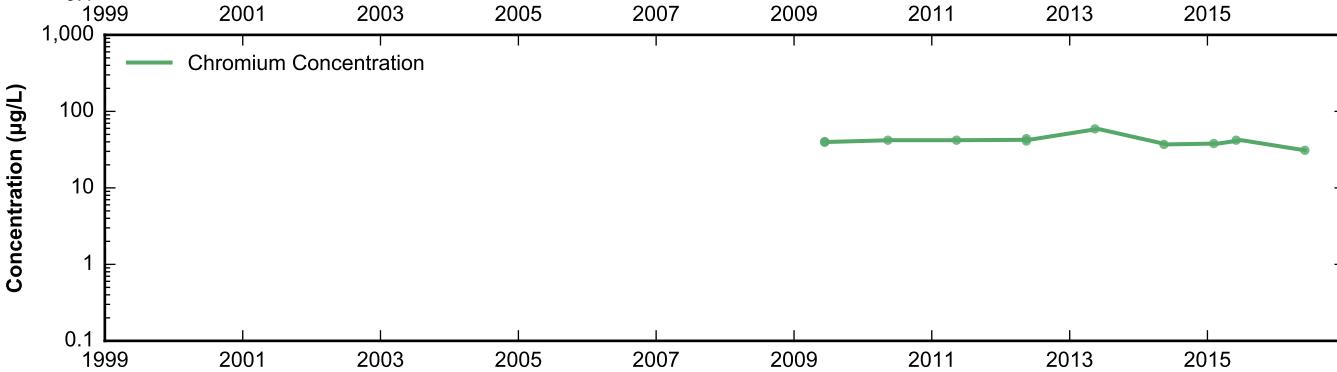
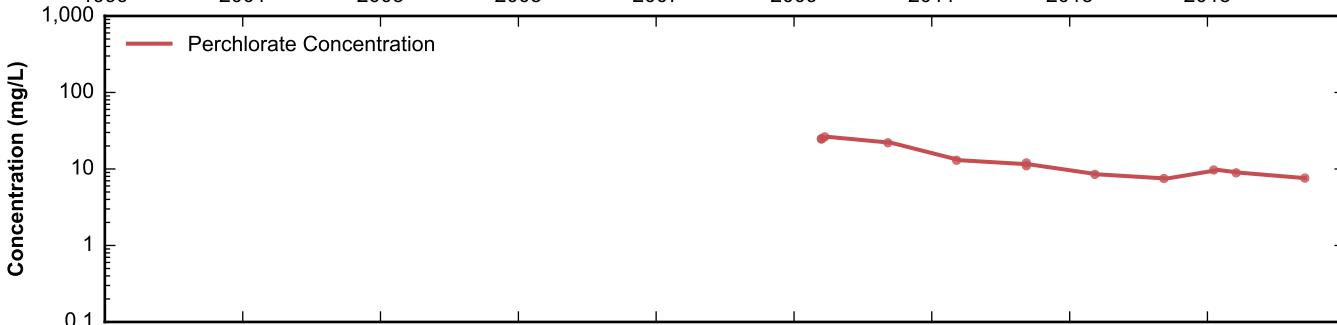
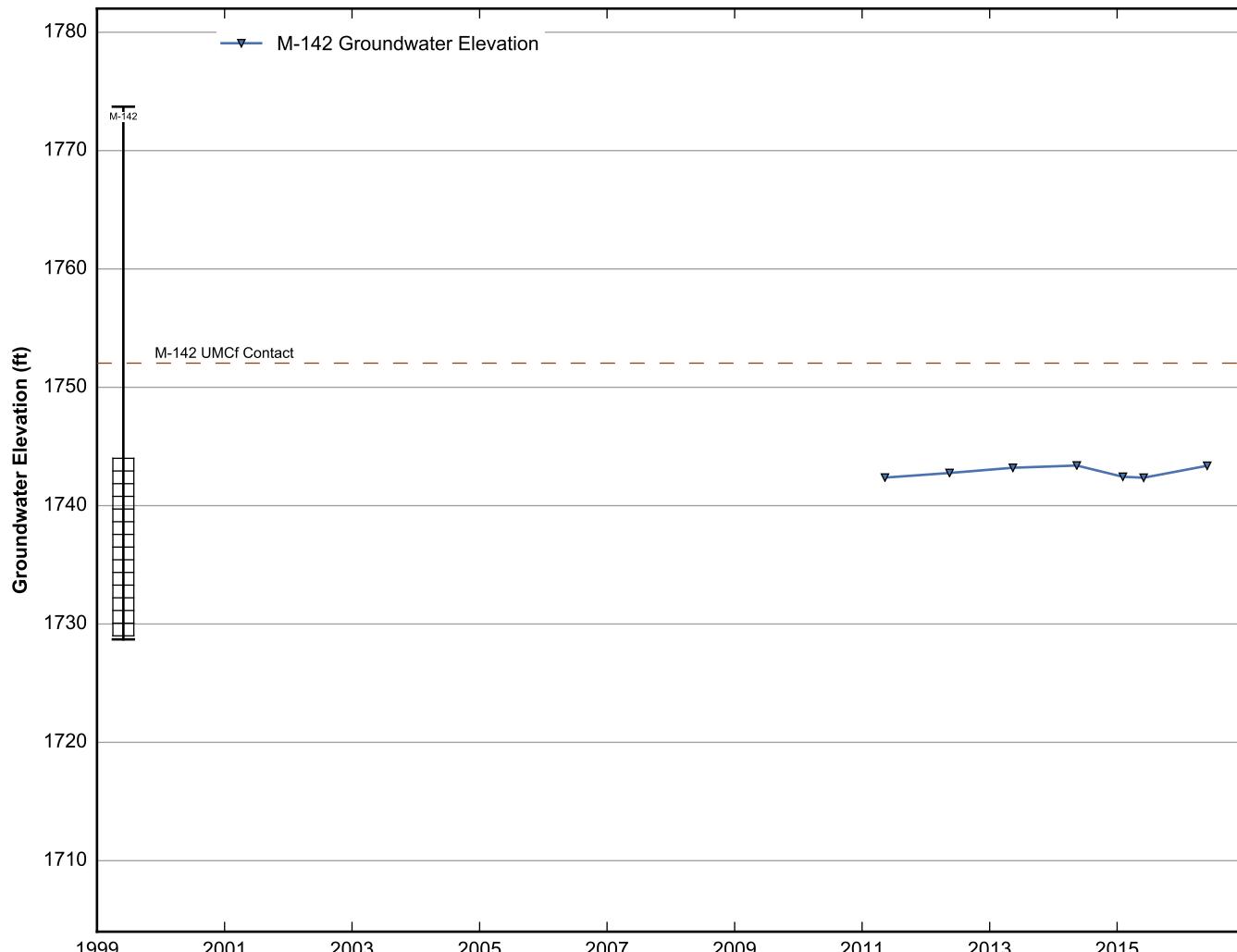


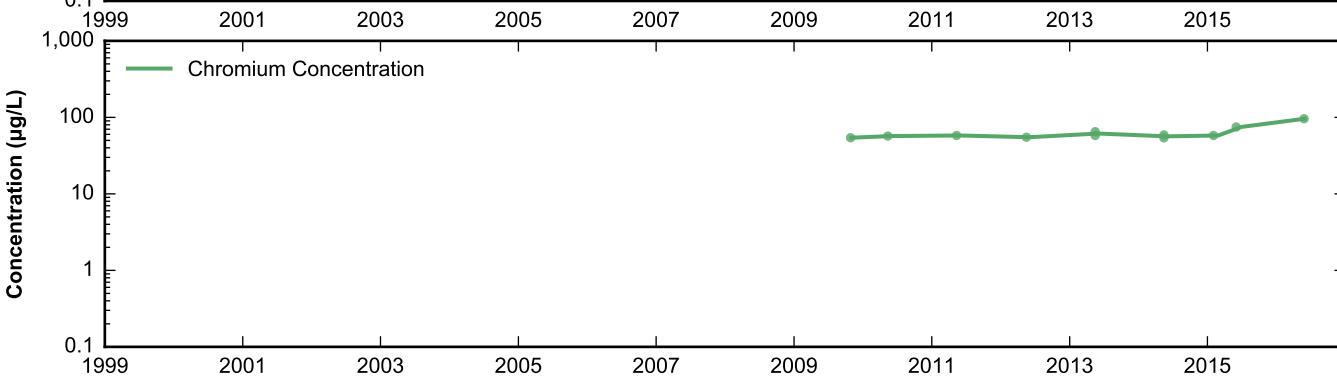
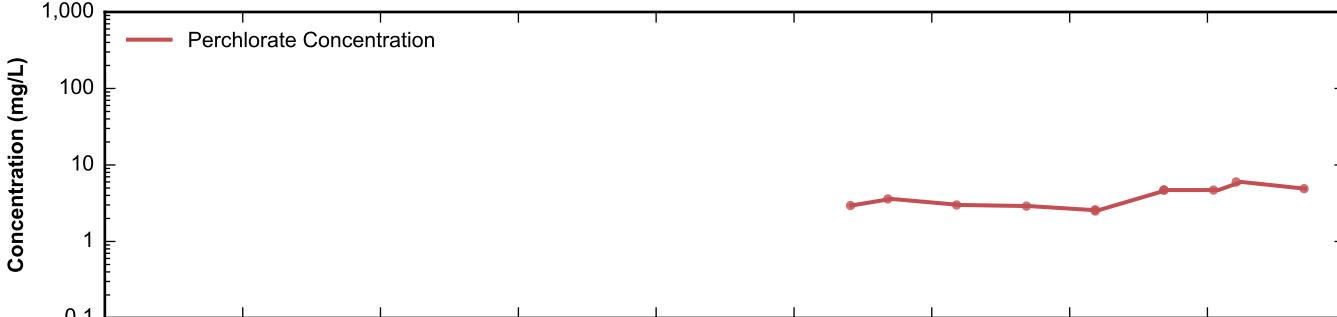
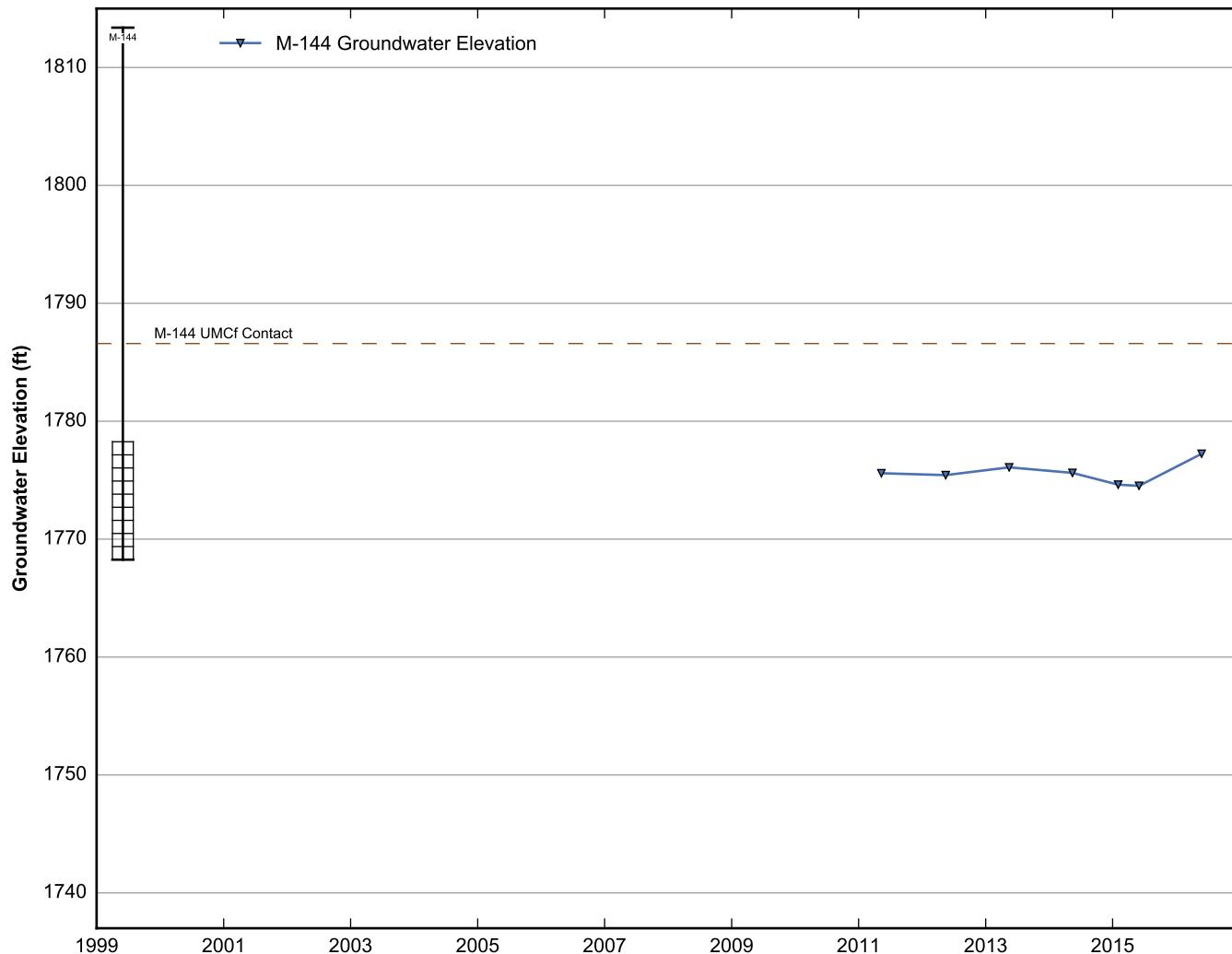


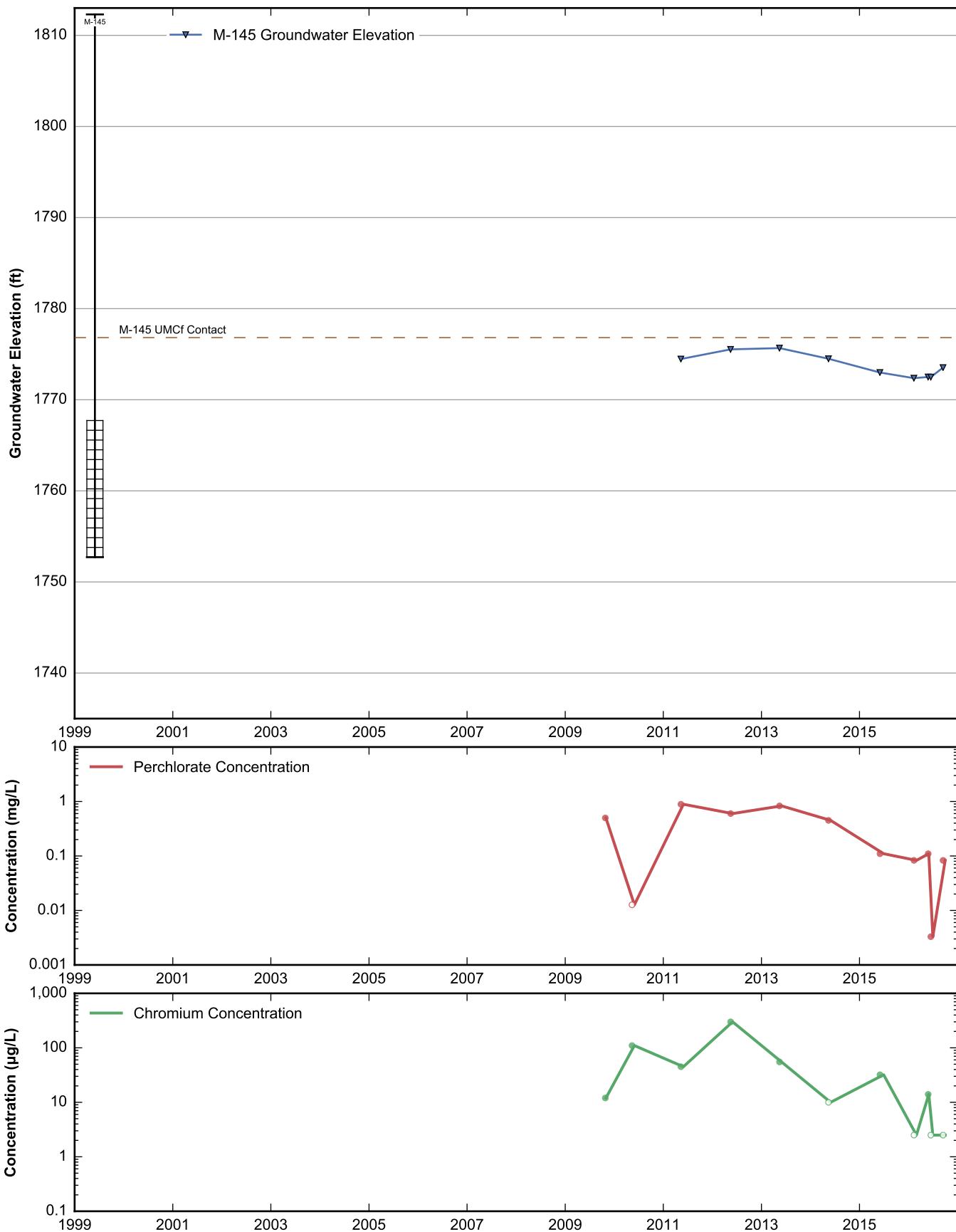


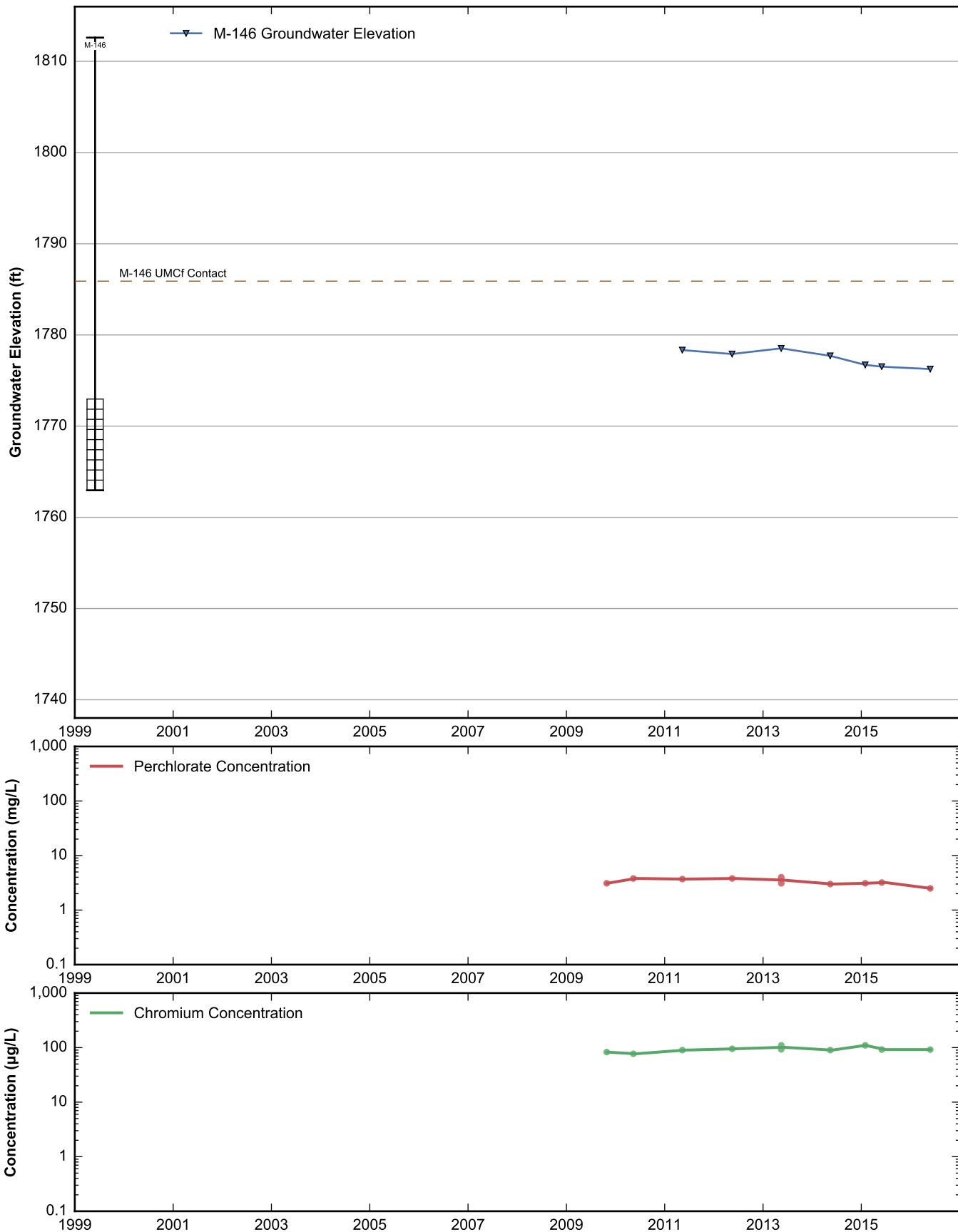


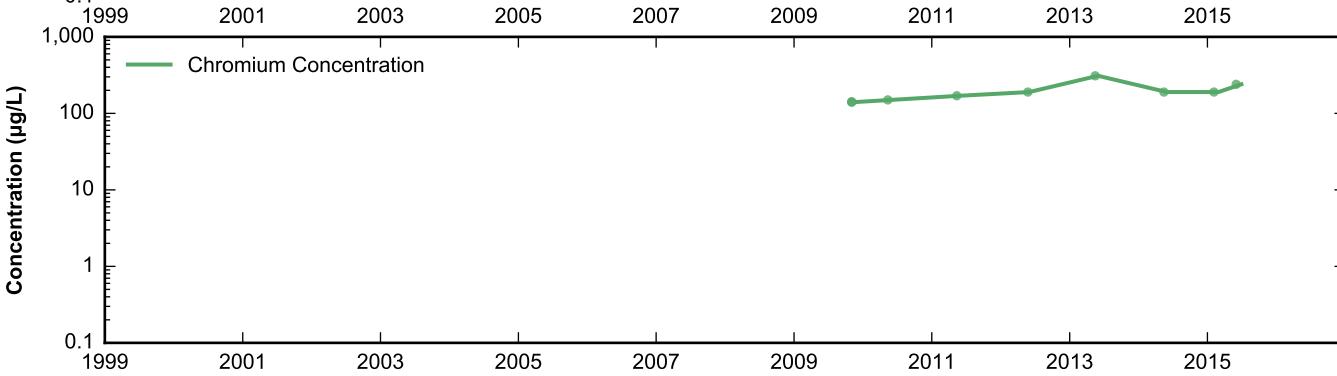
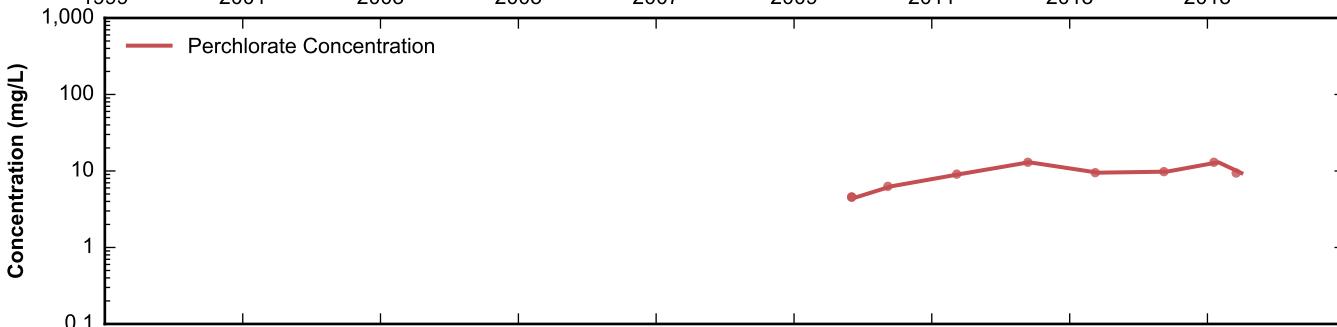
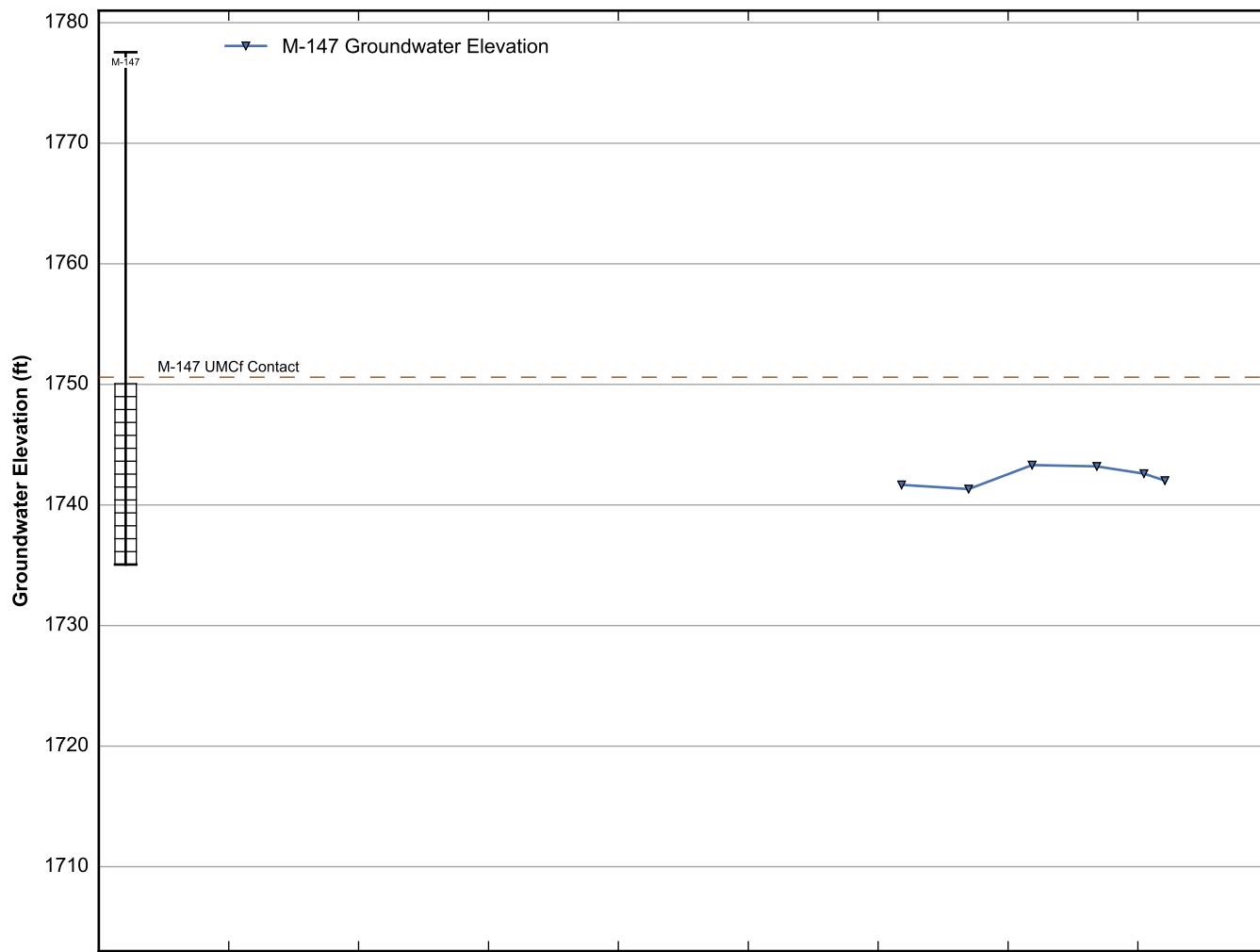


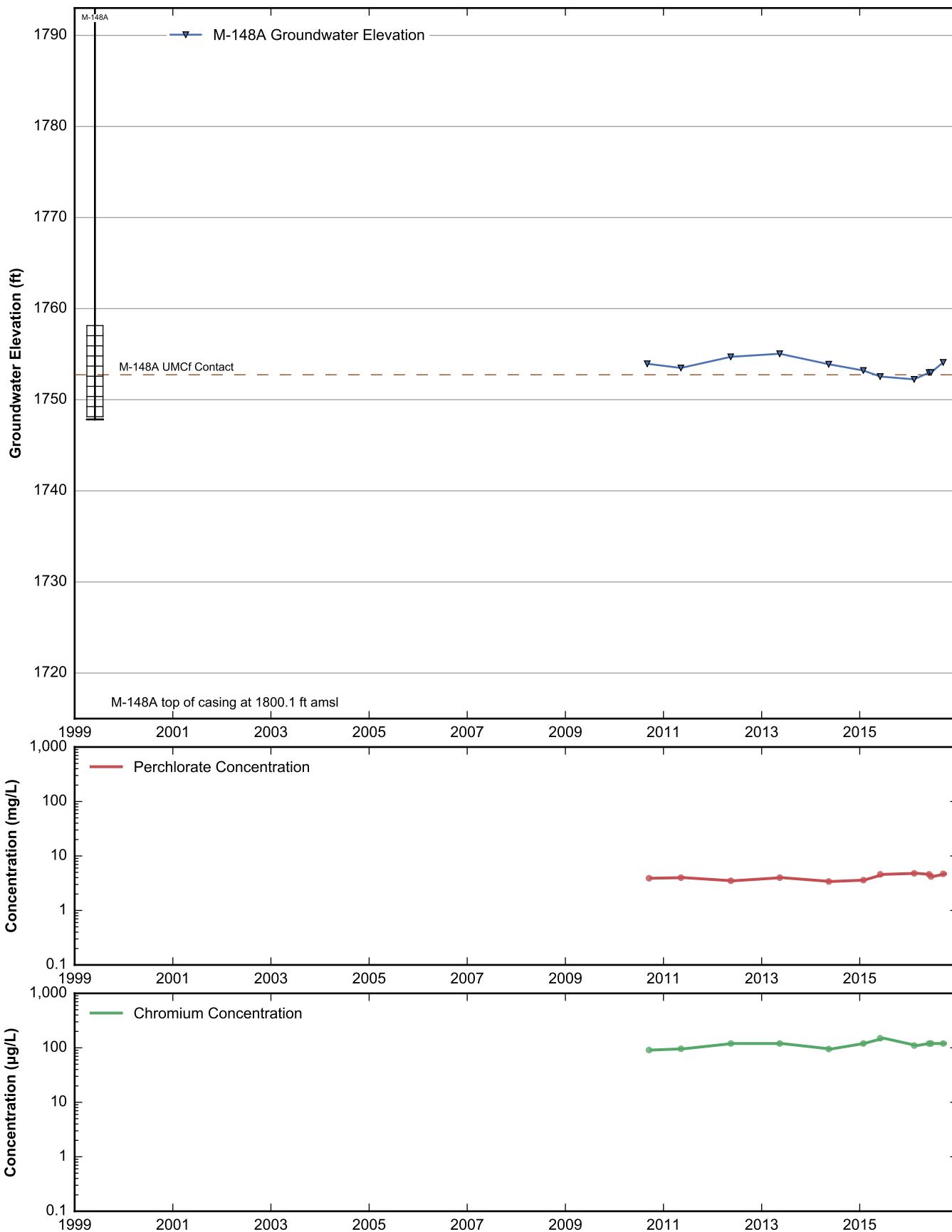


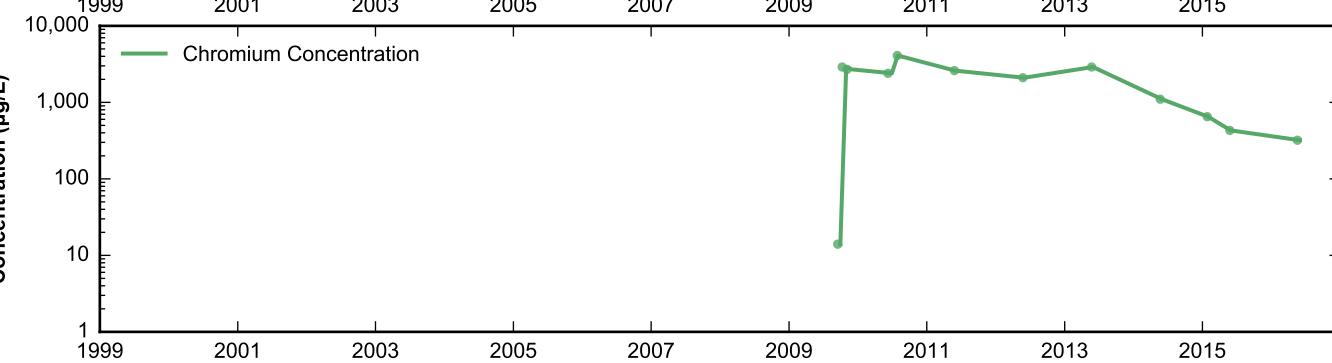
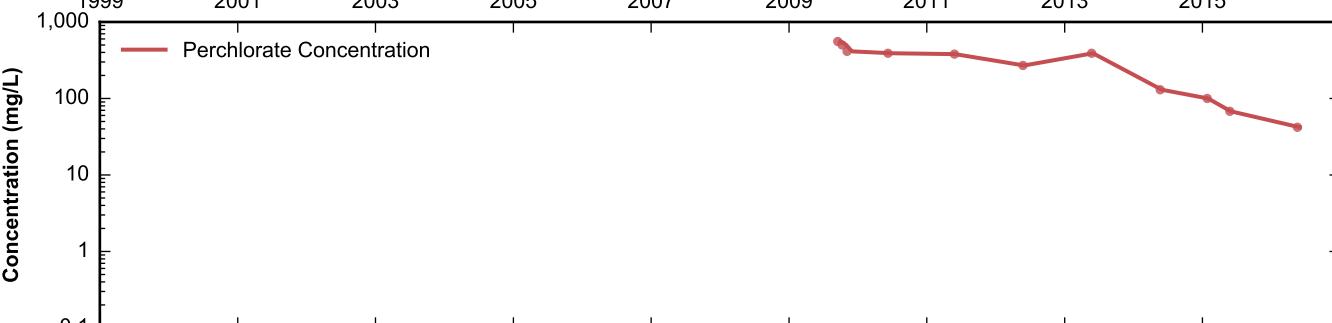
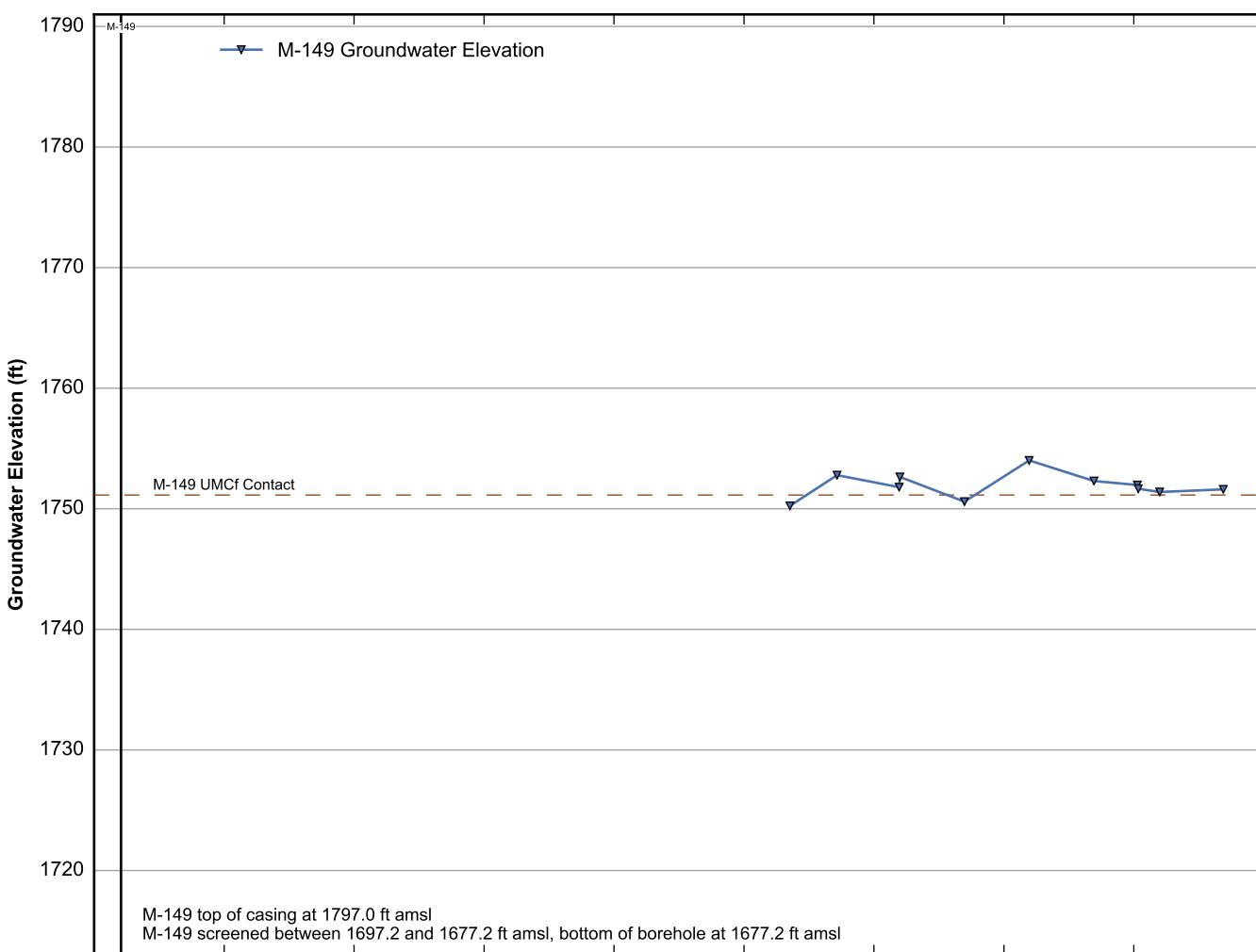


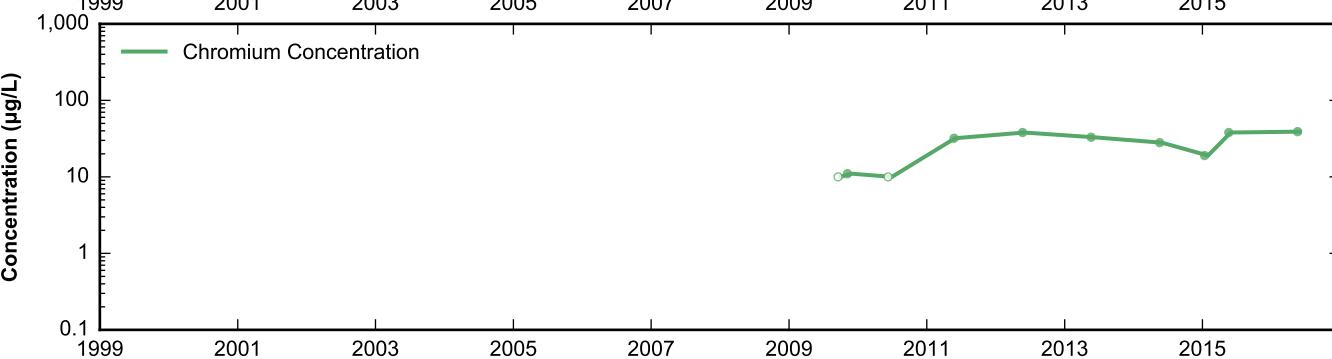
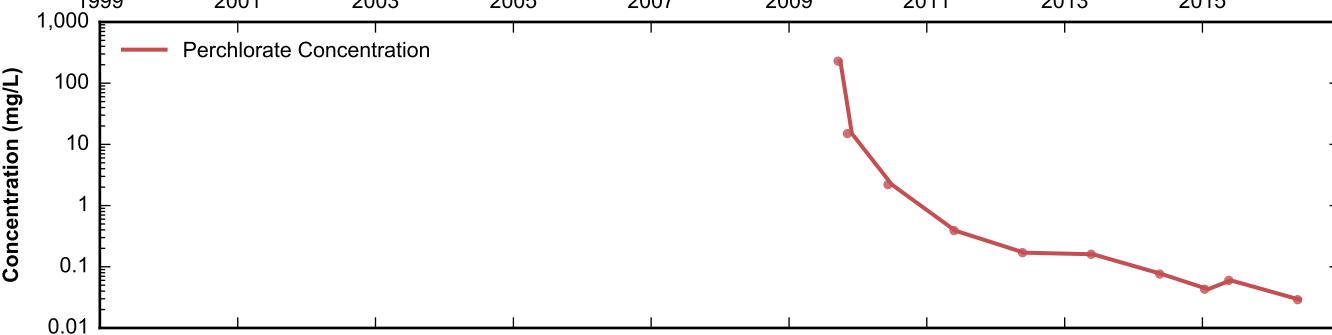
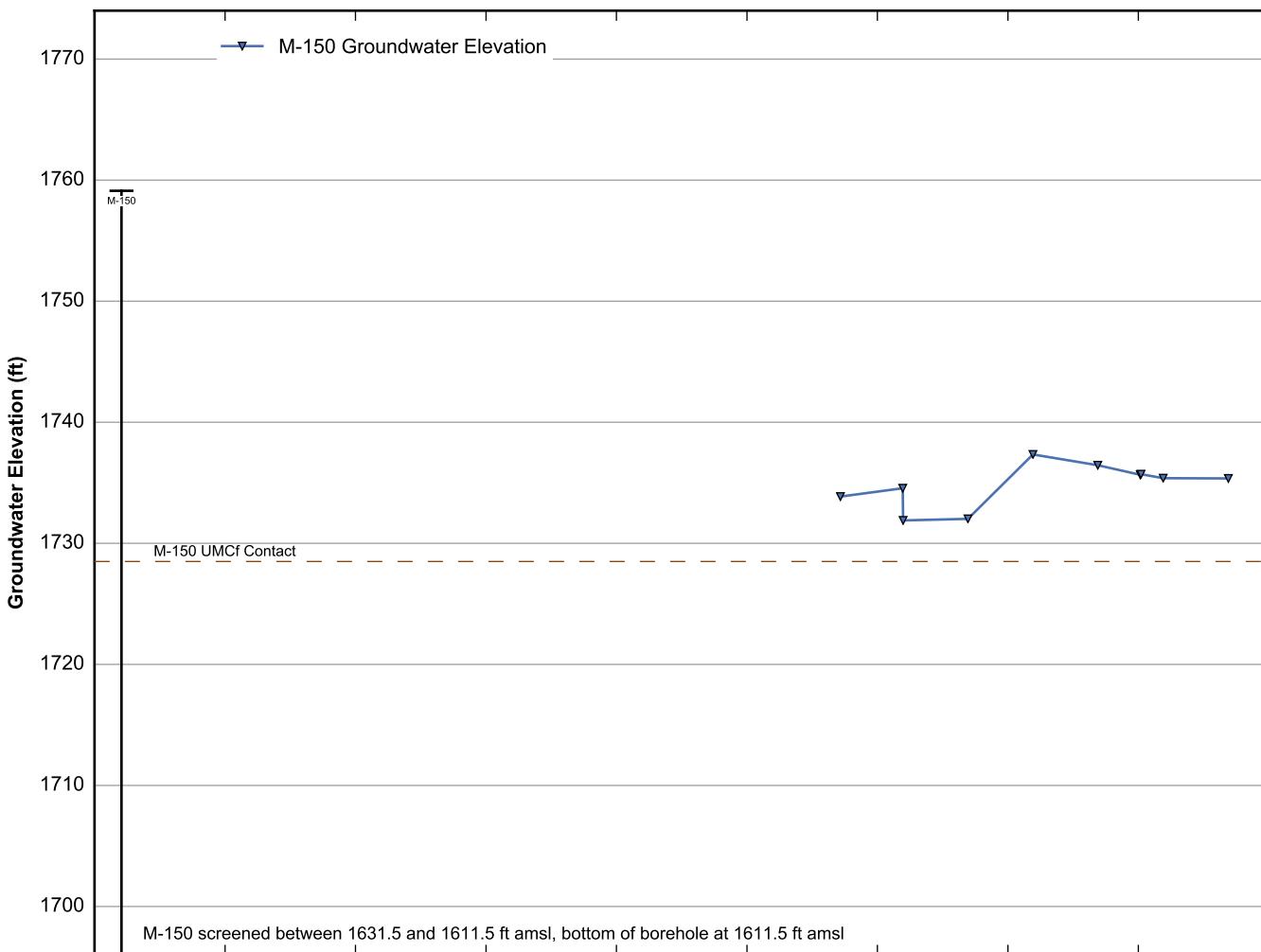


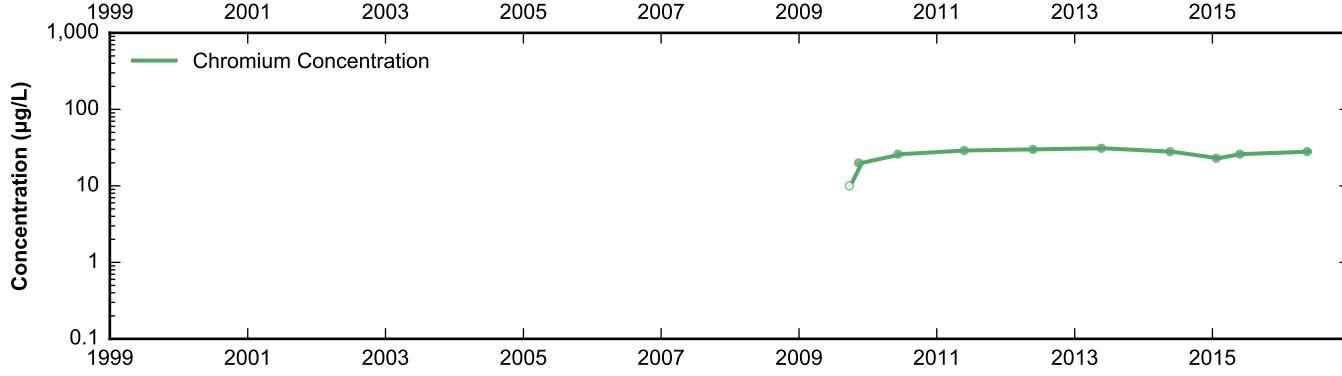
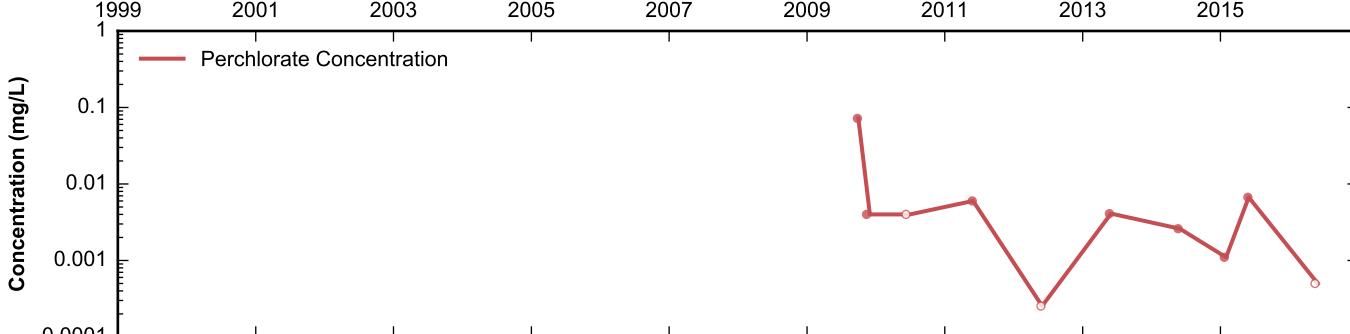
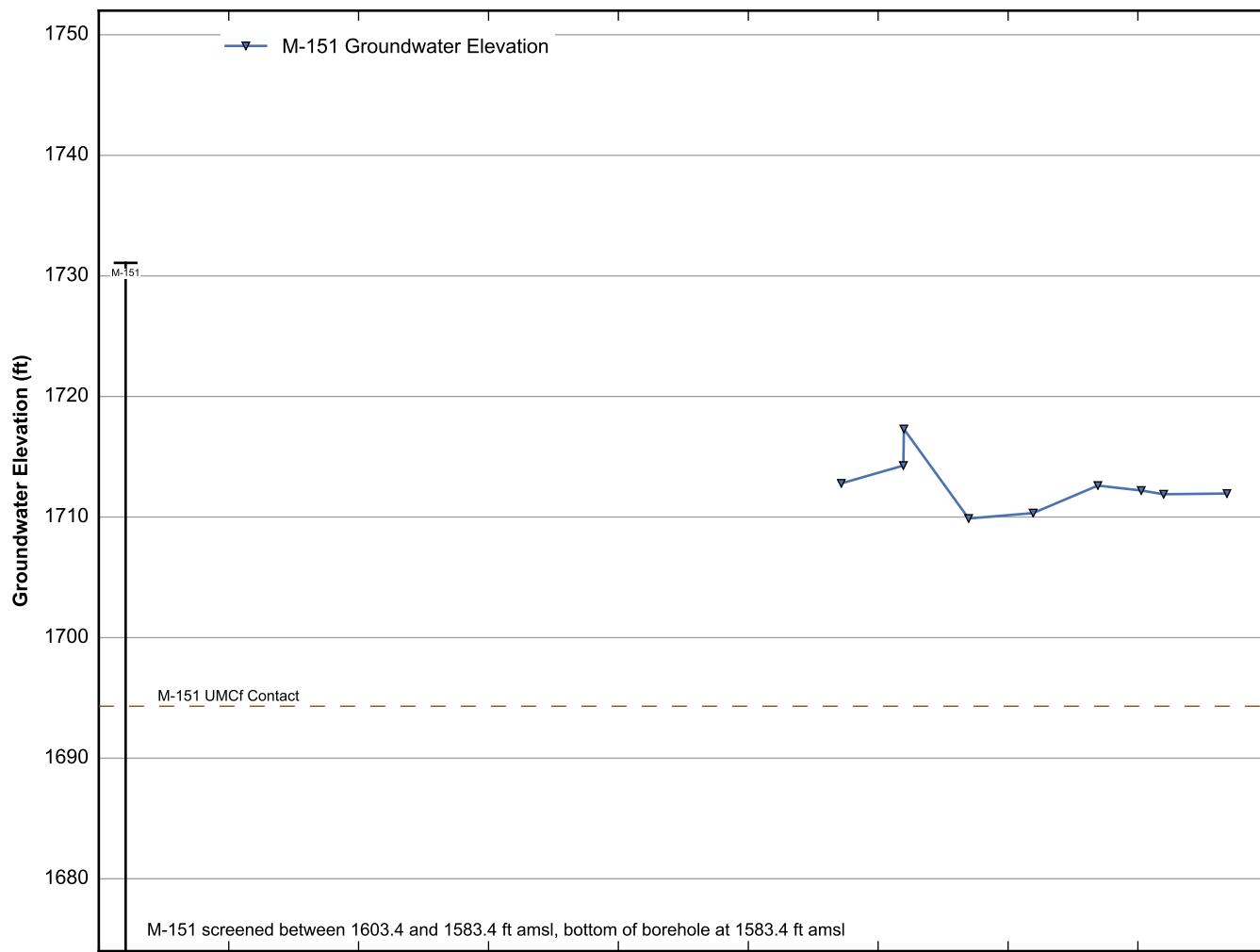


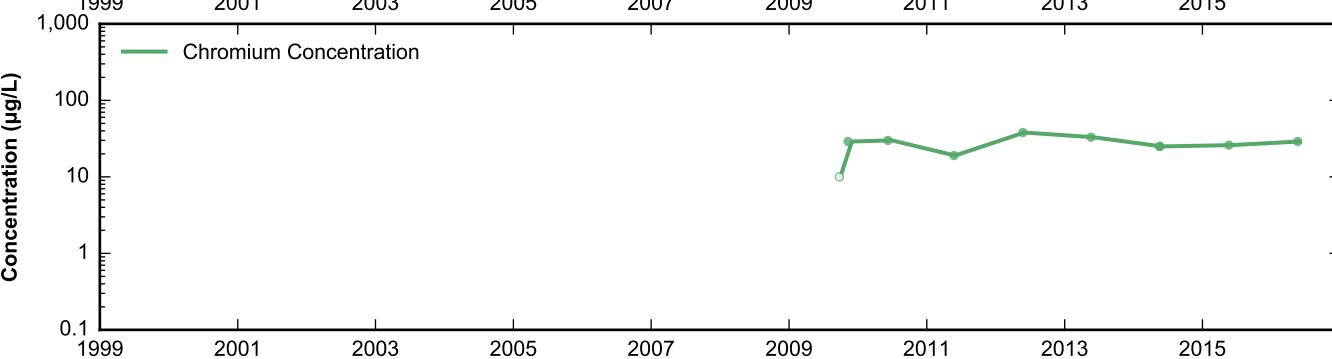
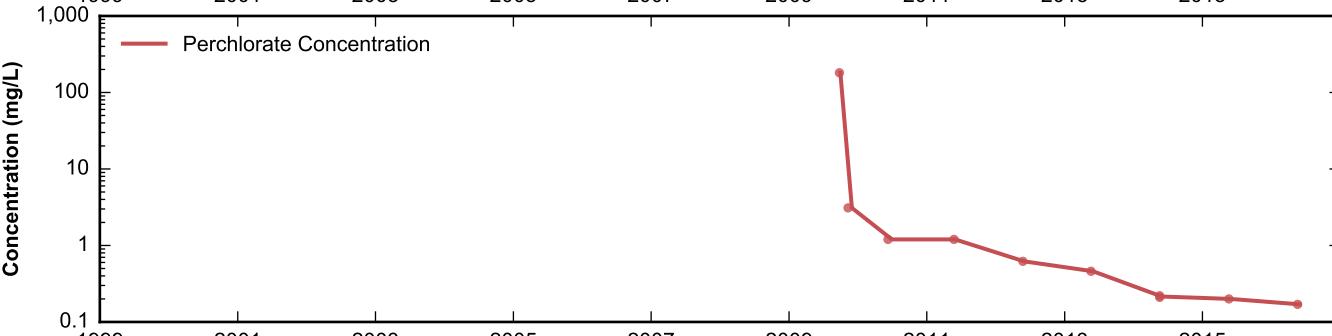
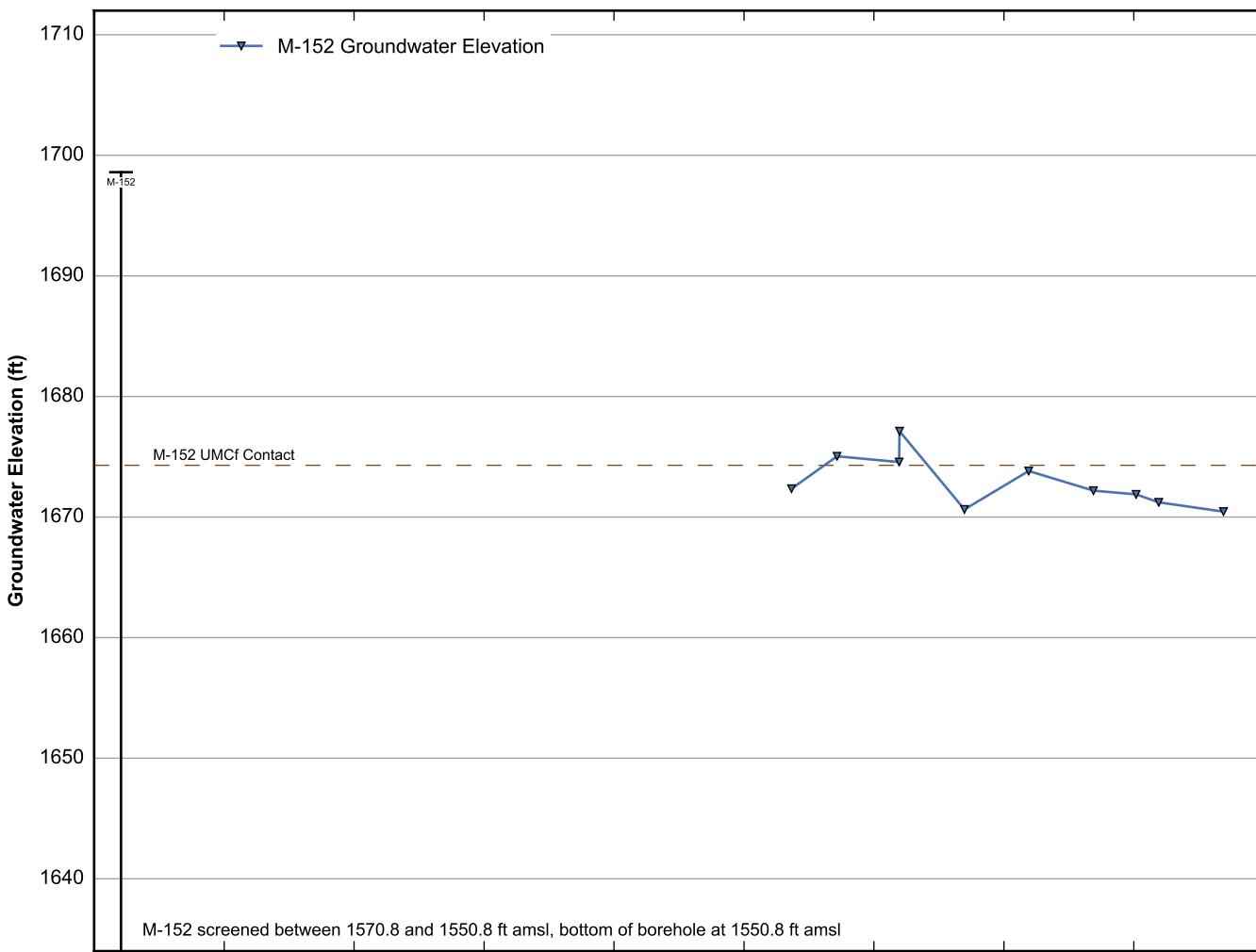


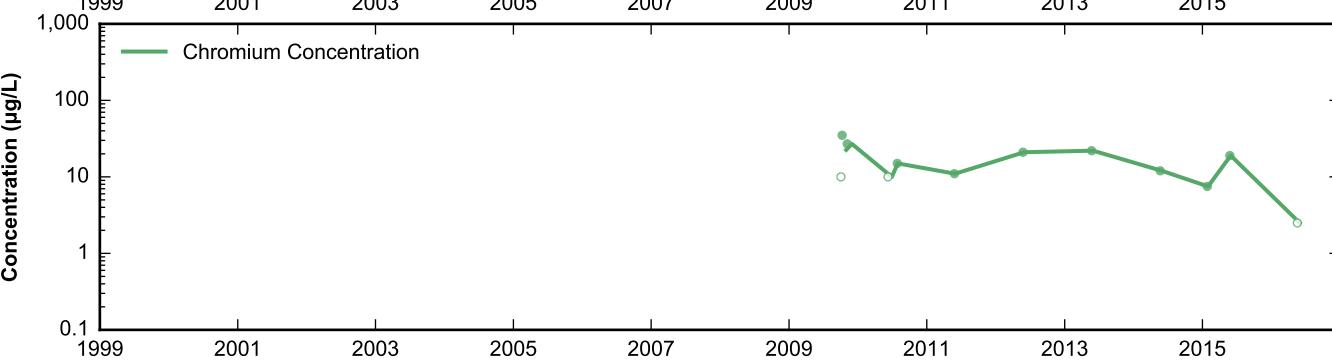
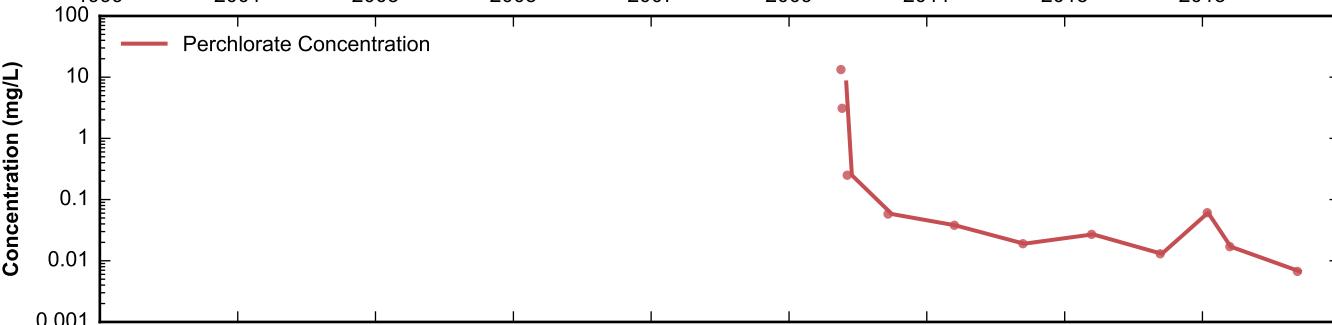
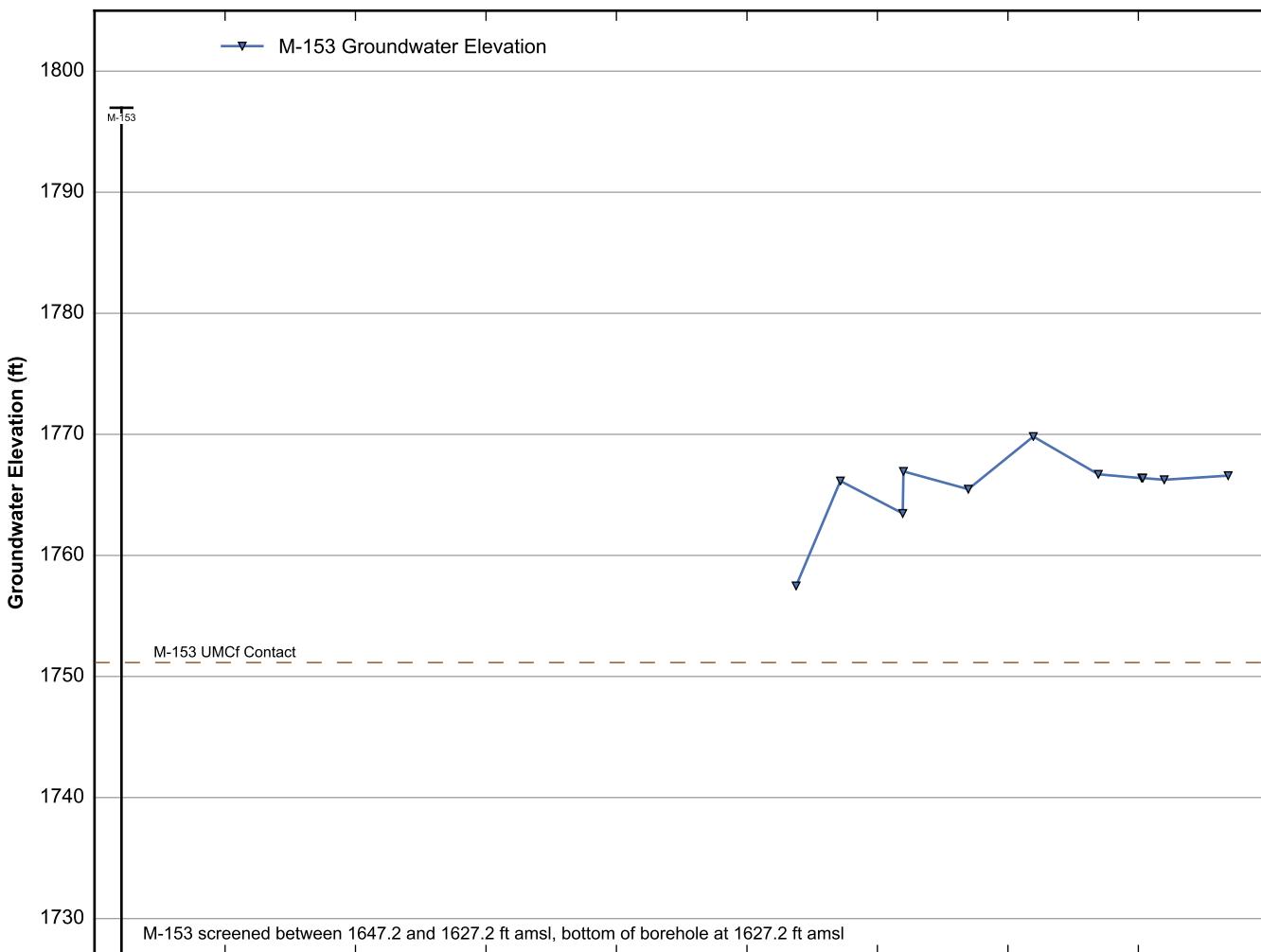


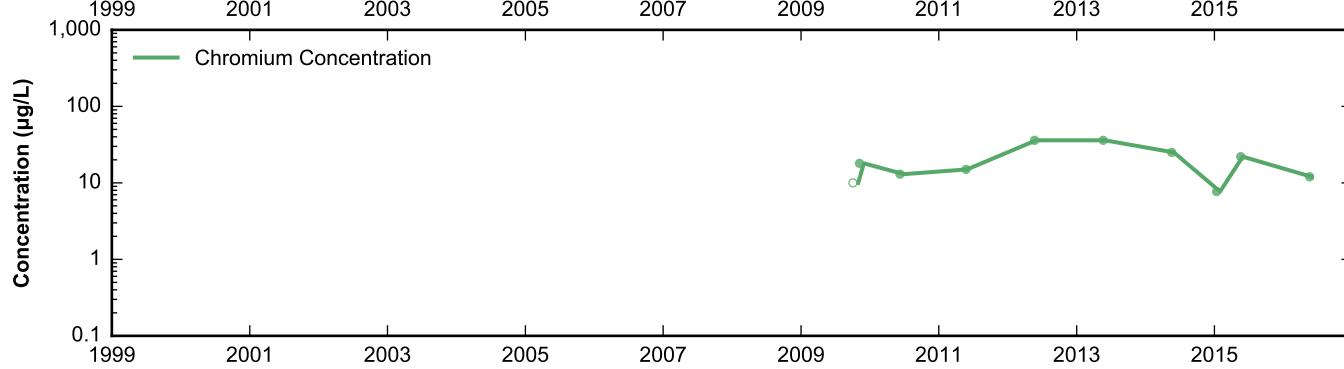
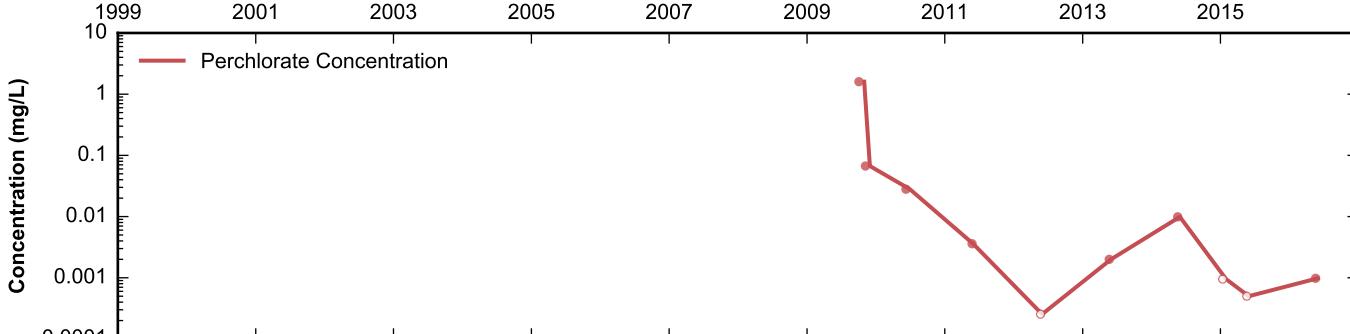
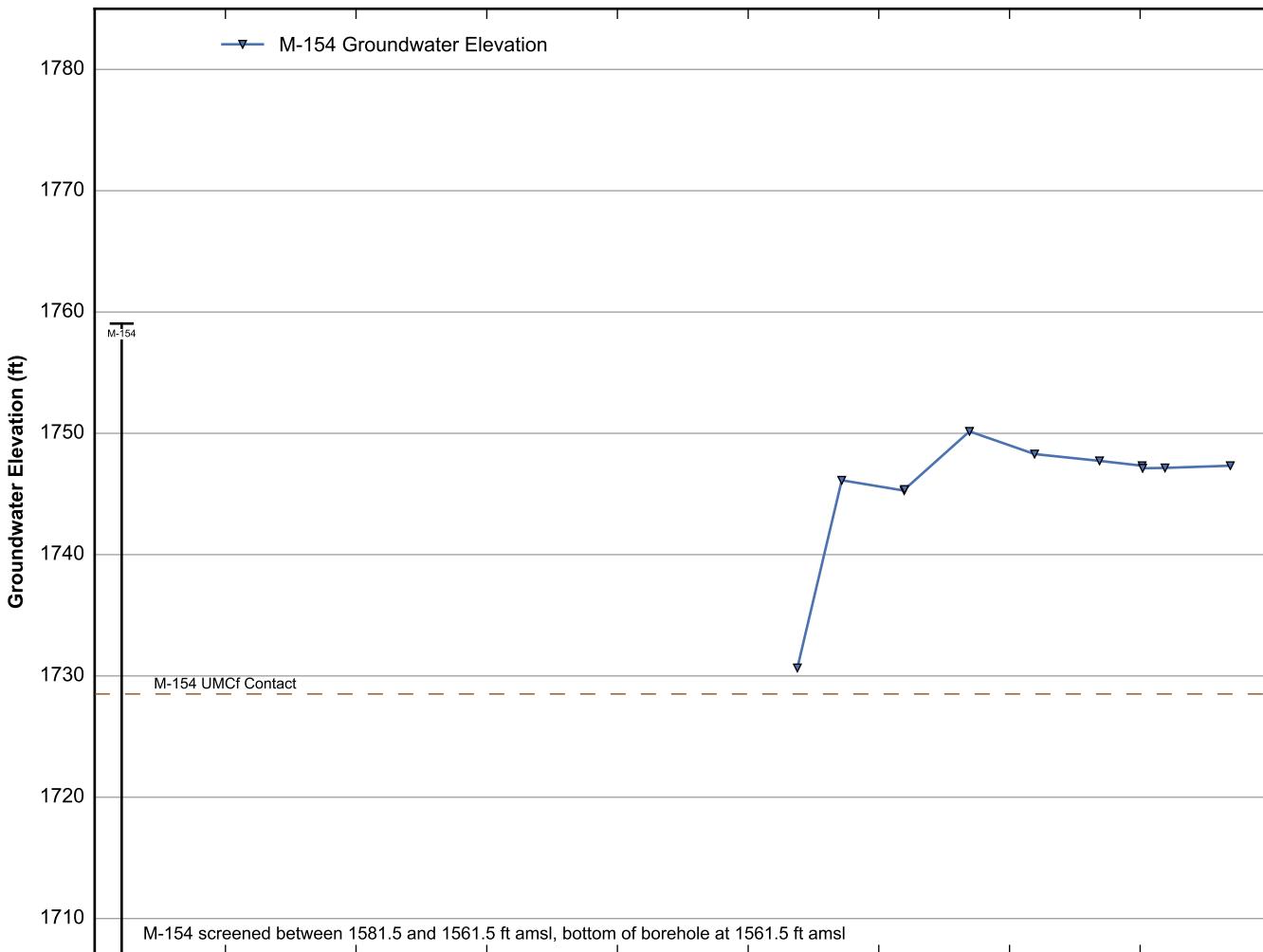


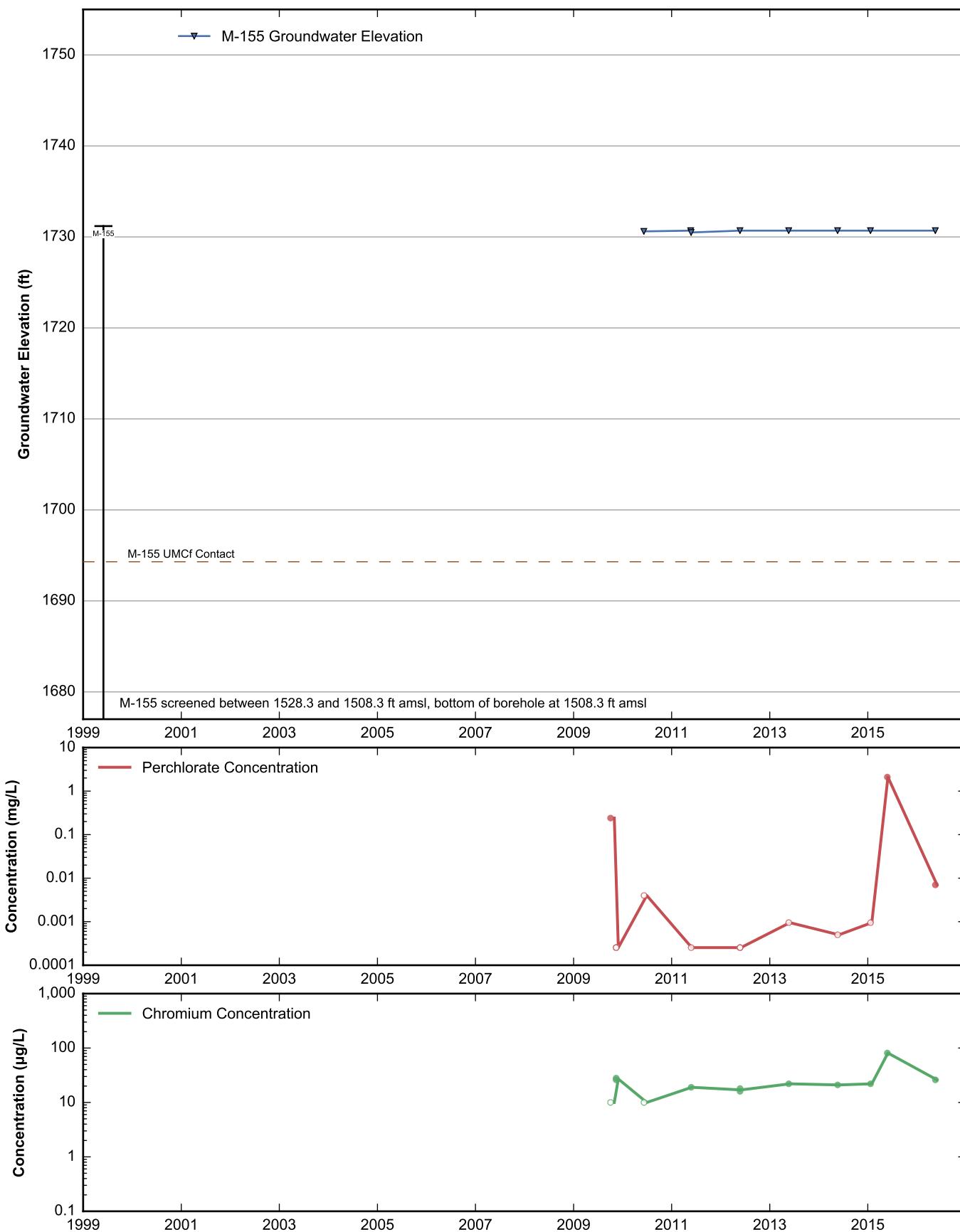


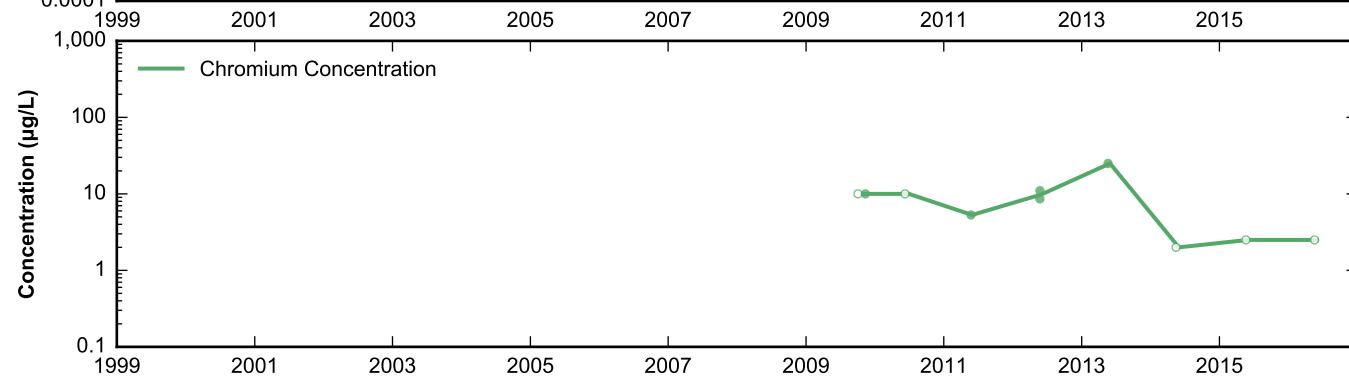
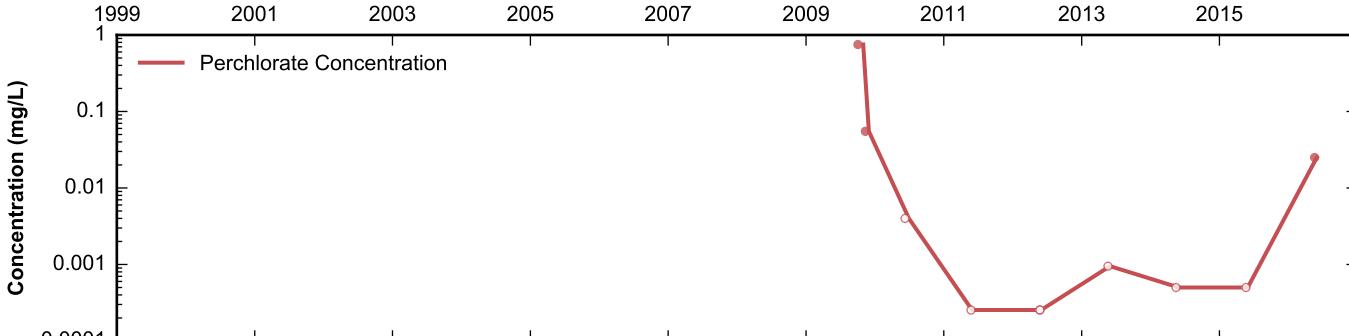
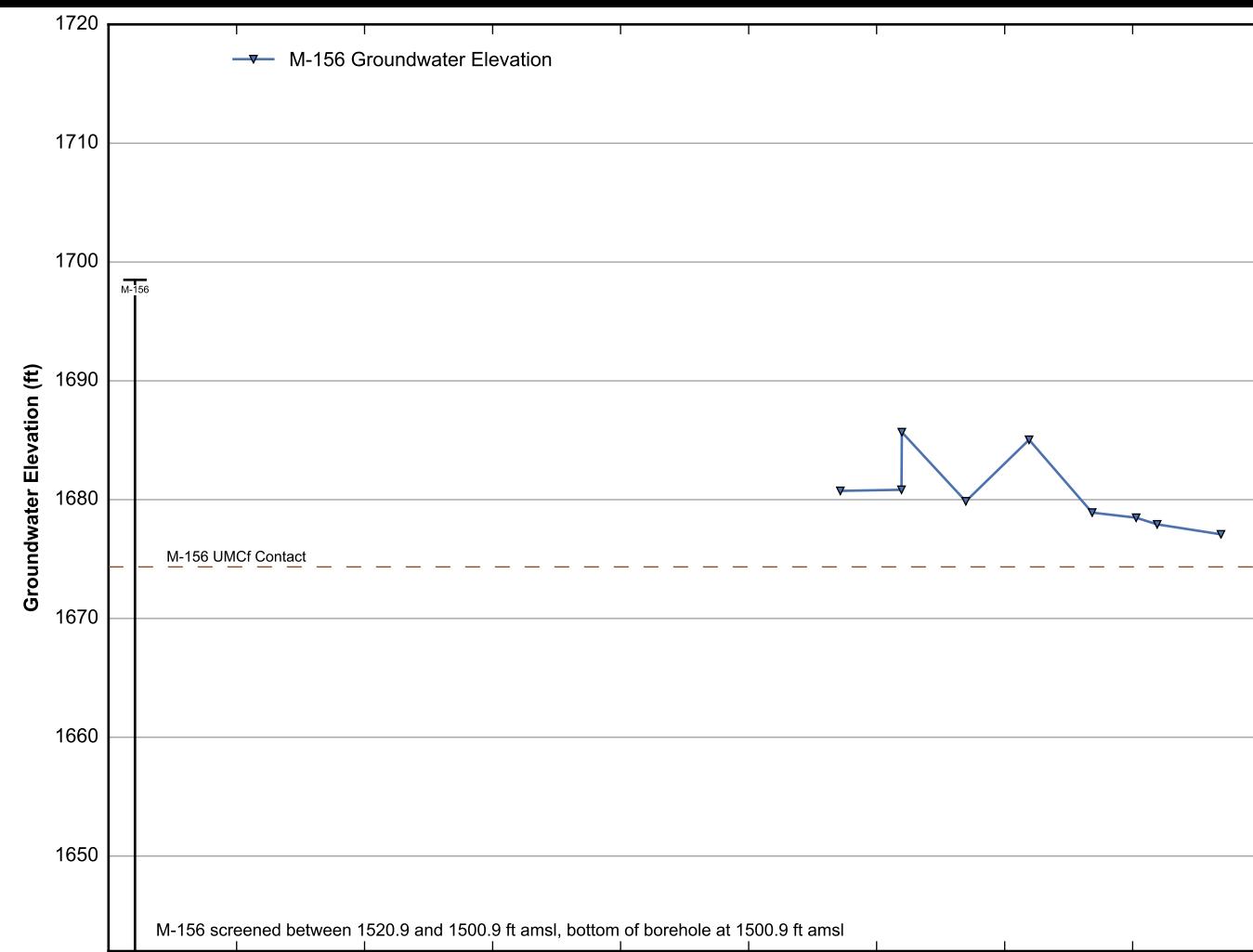


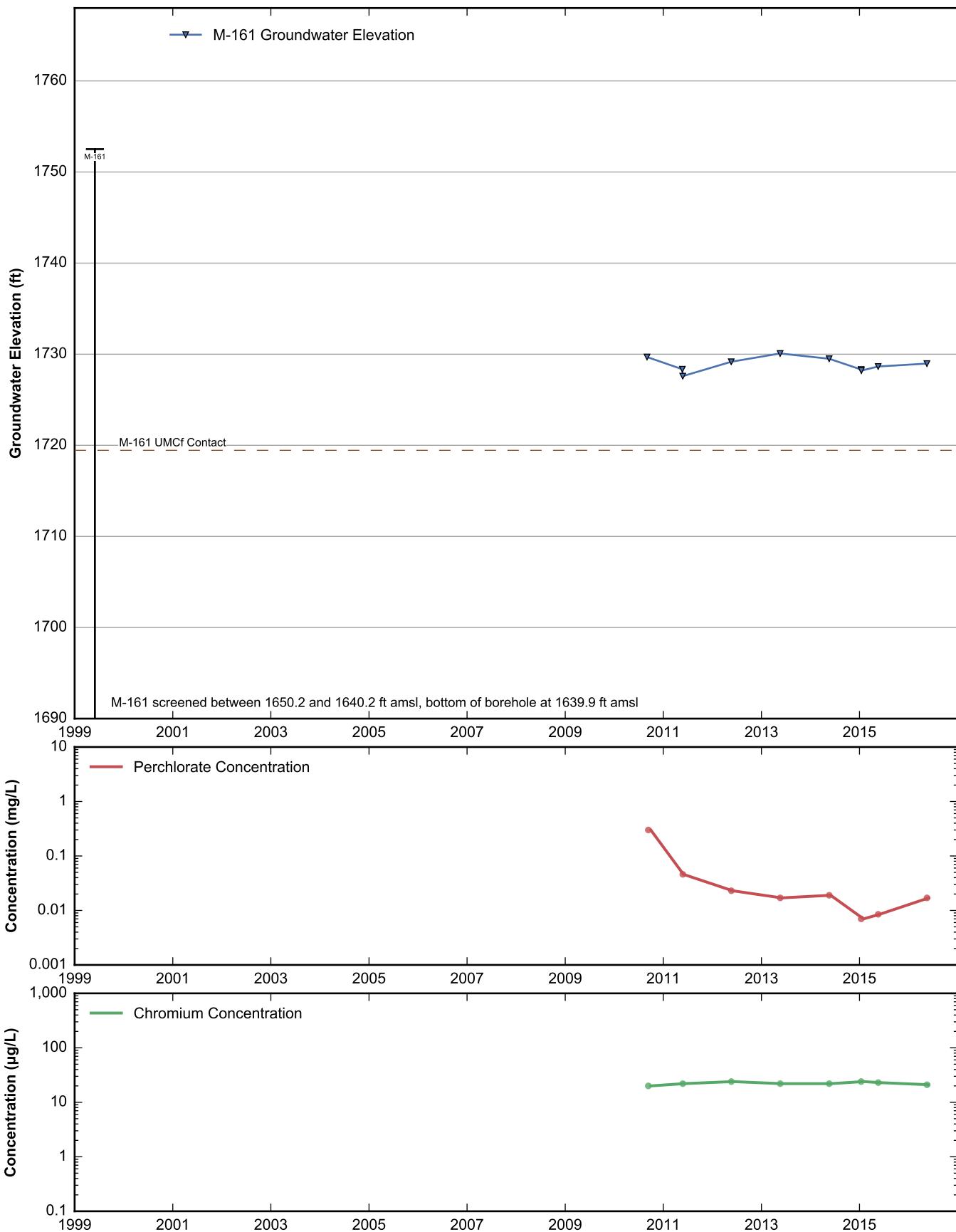


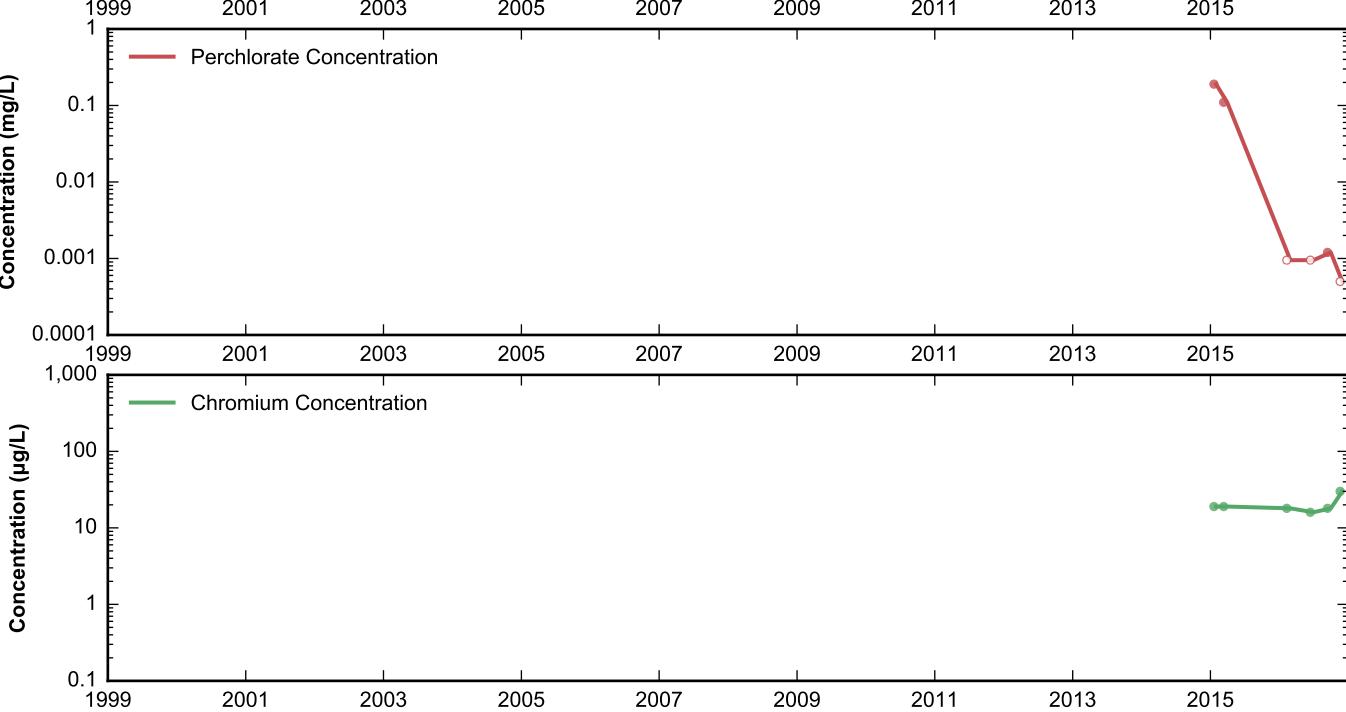
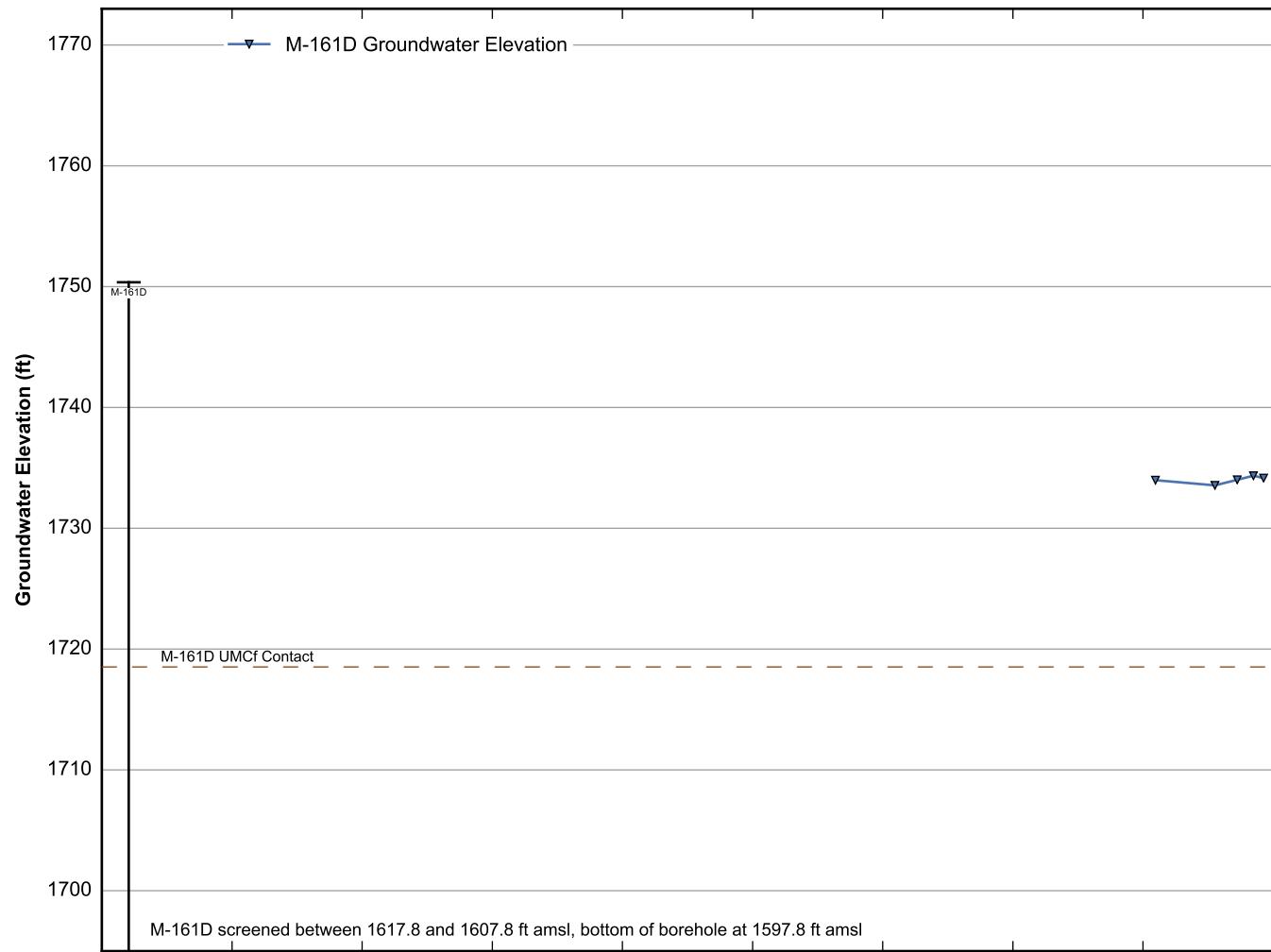




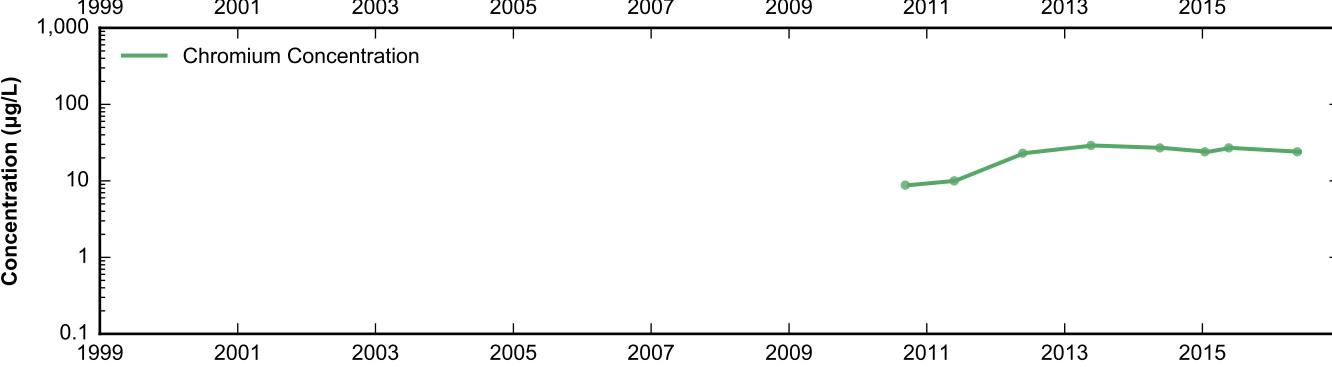
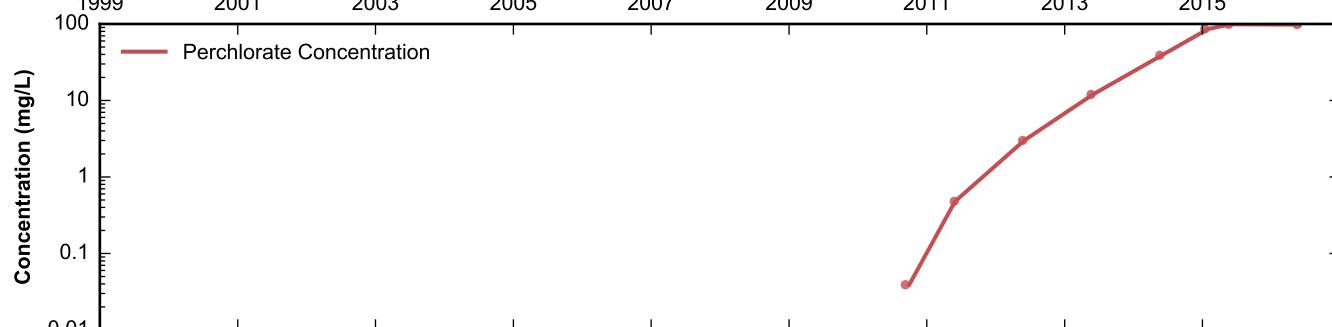
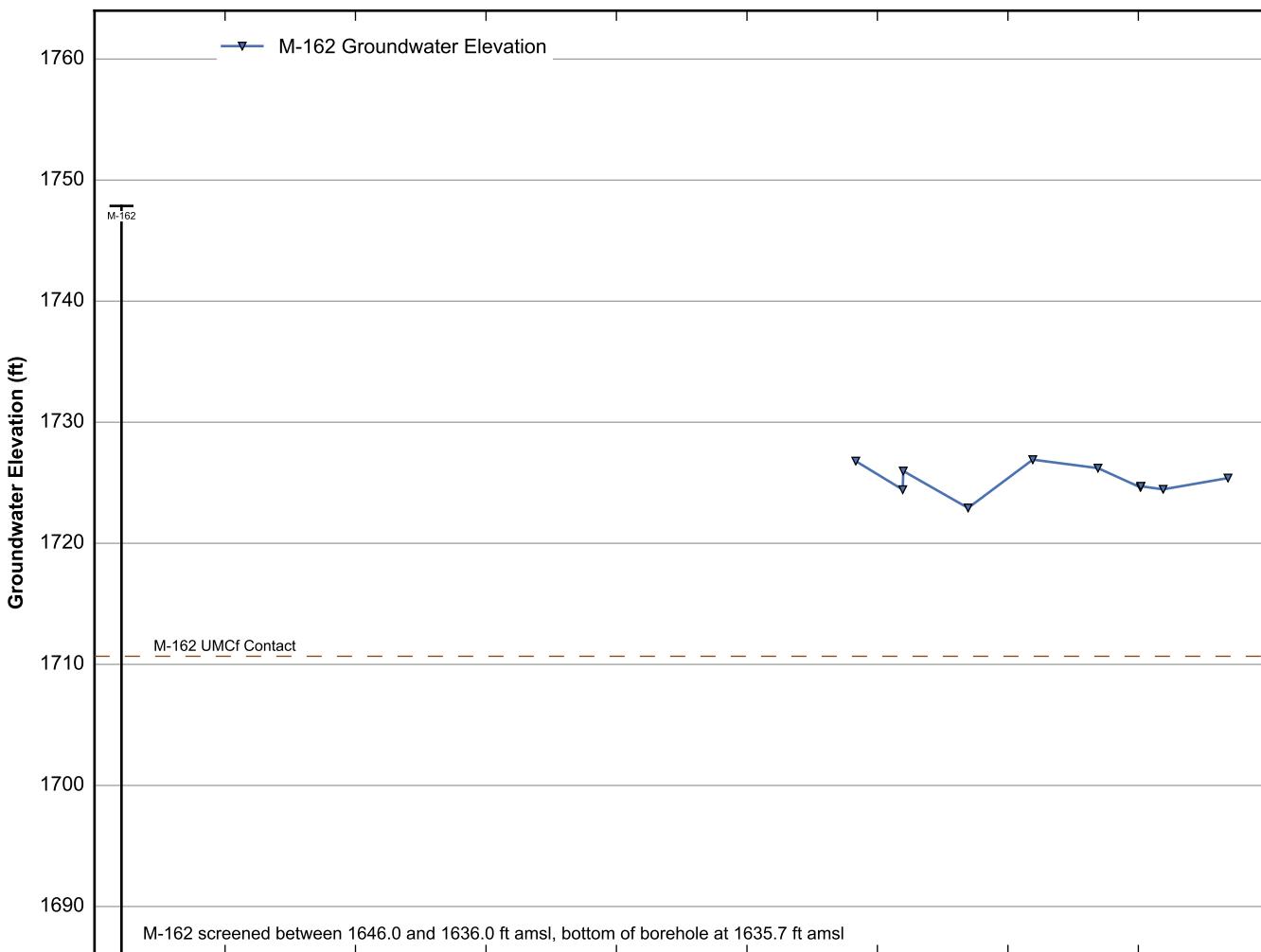


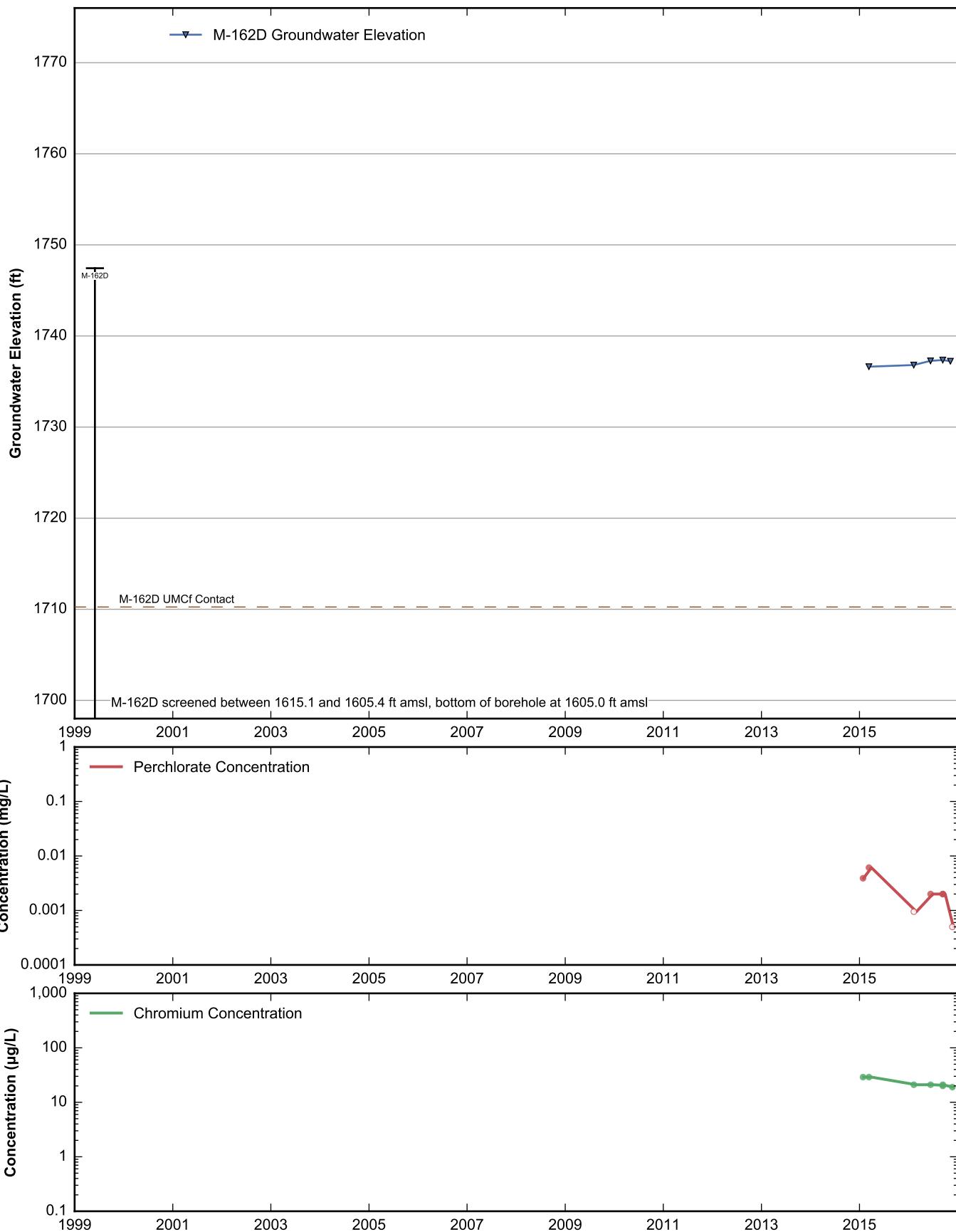


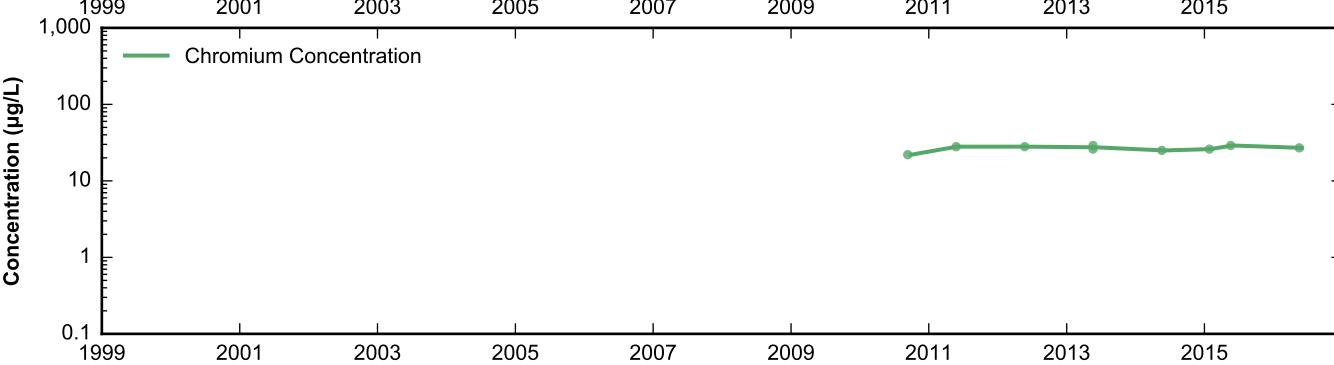
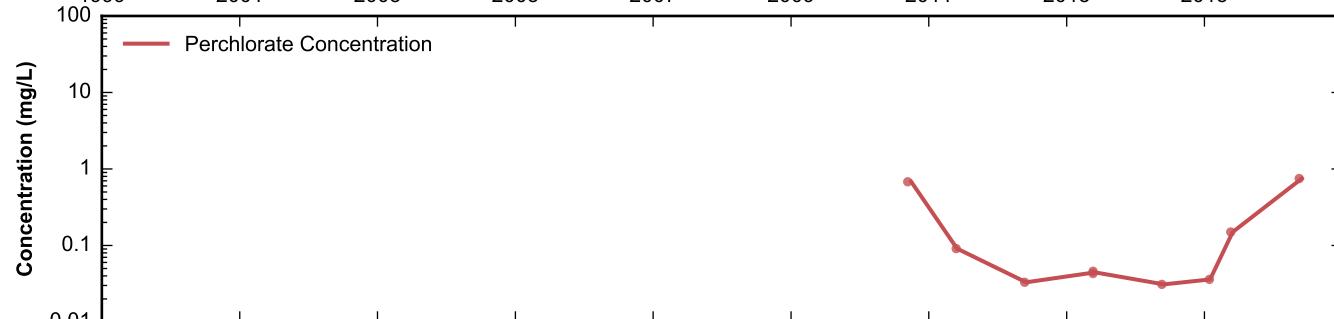
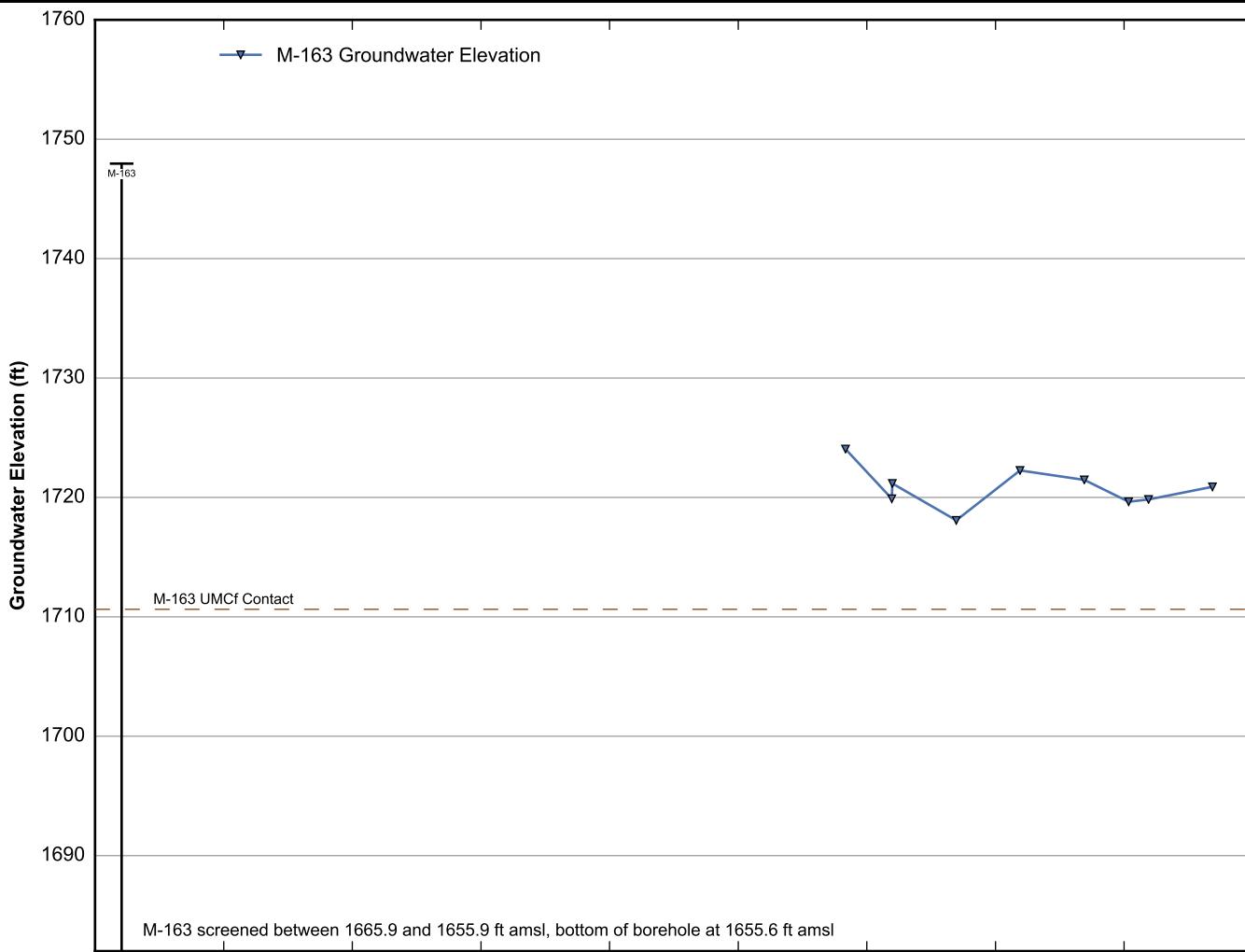


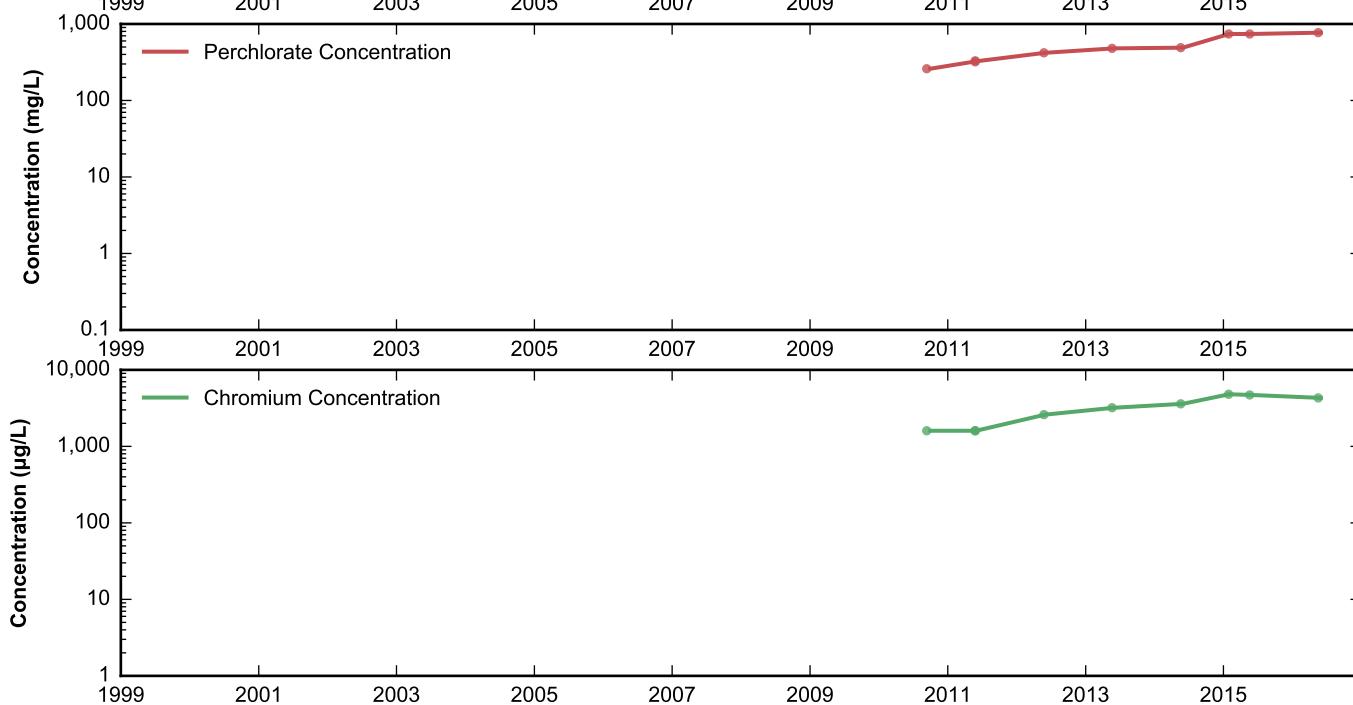
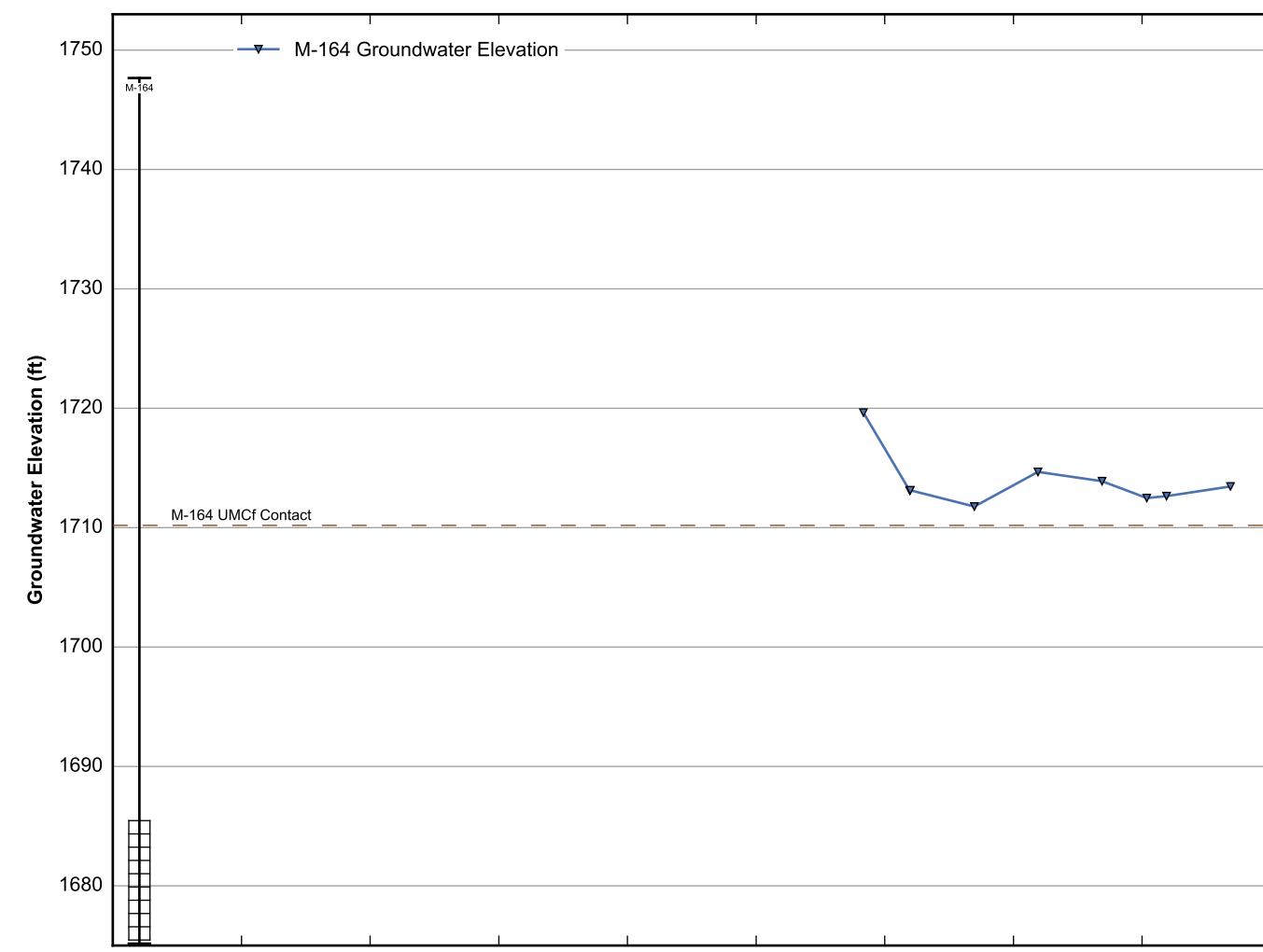


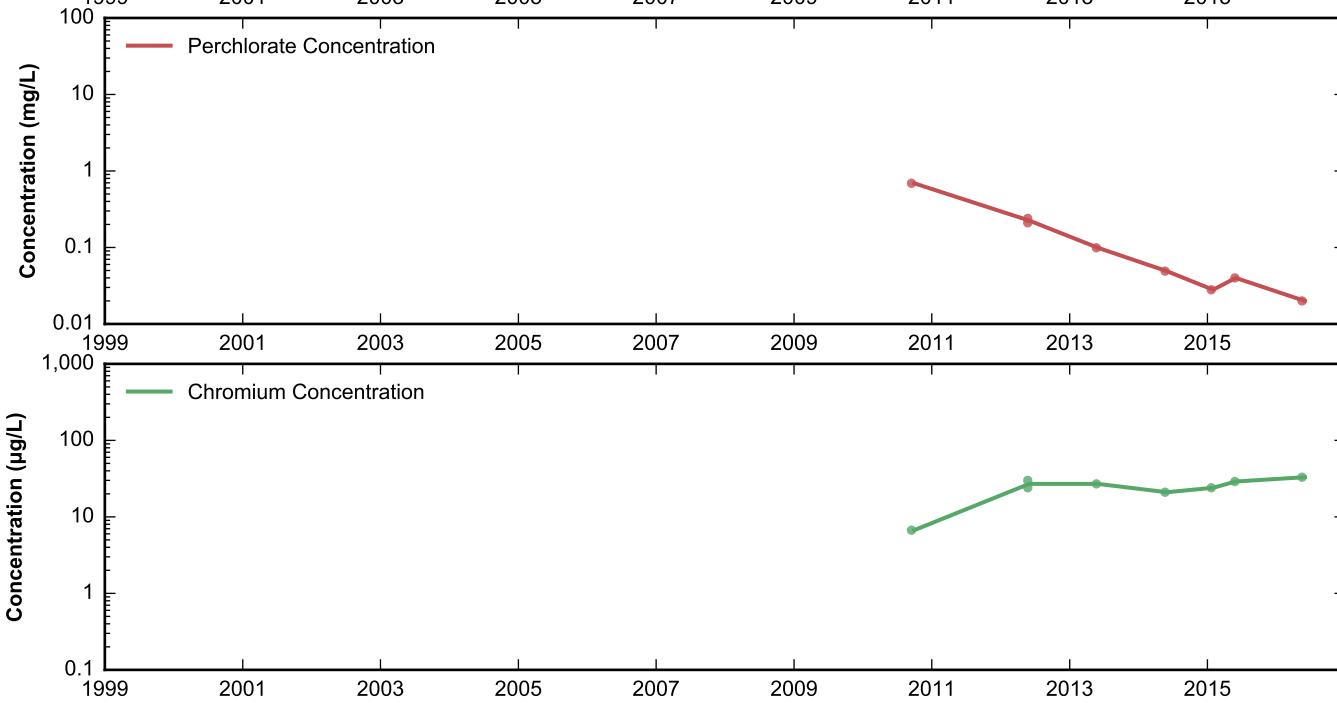
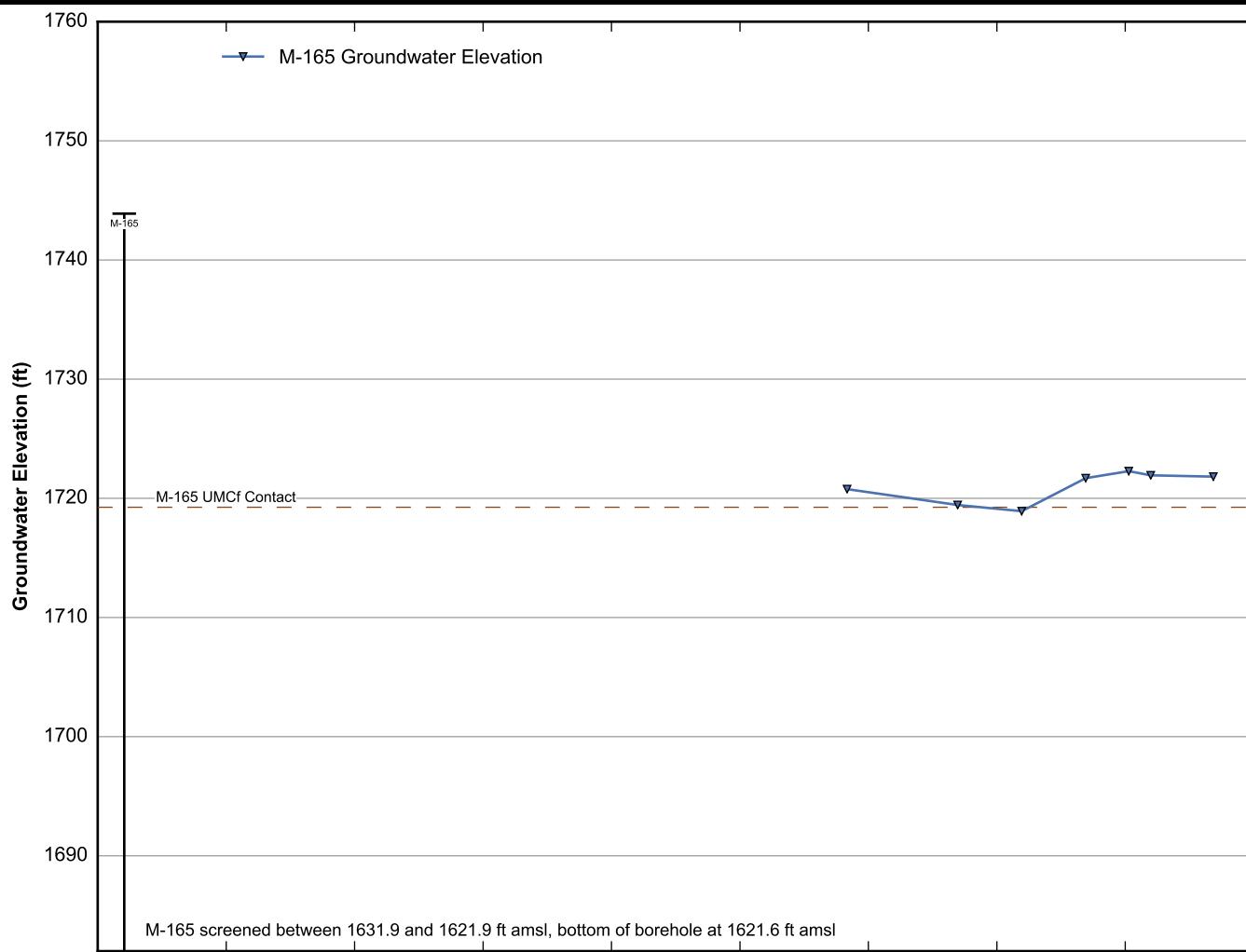
Data Sheet for Well M-161D
Nevada Environmental Response Trust Site
Henderson, Nevada

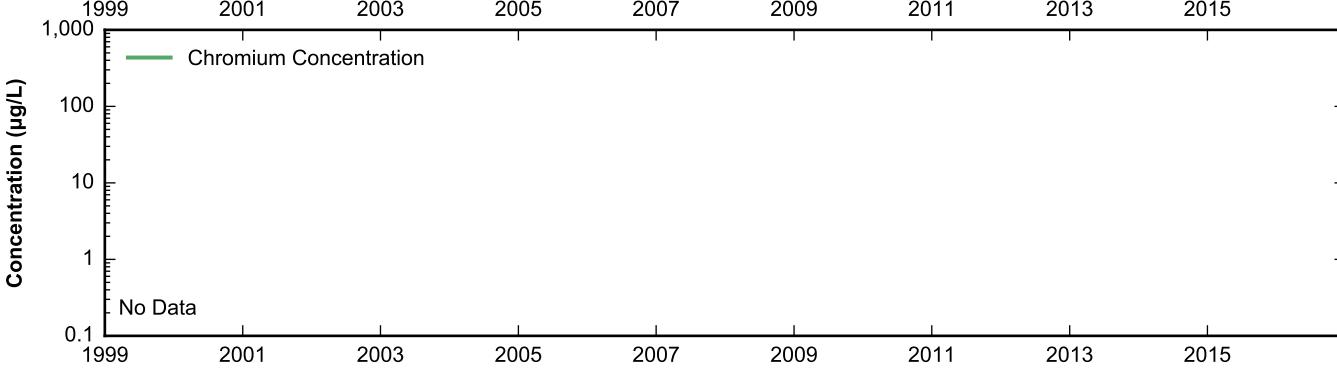
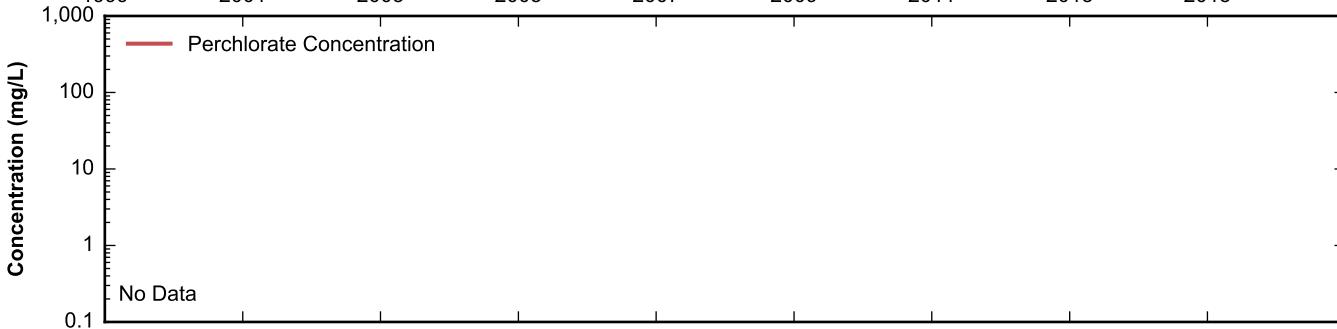
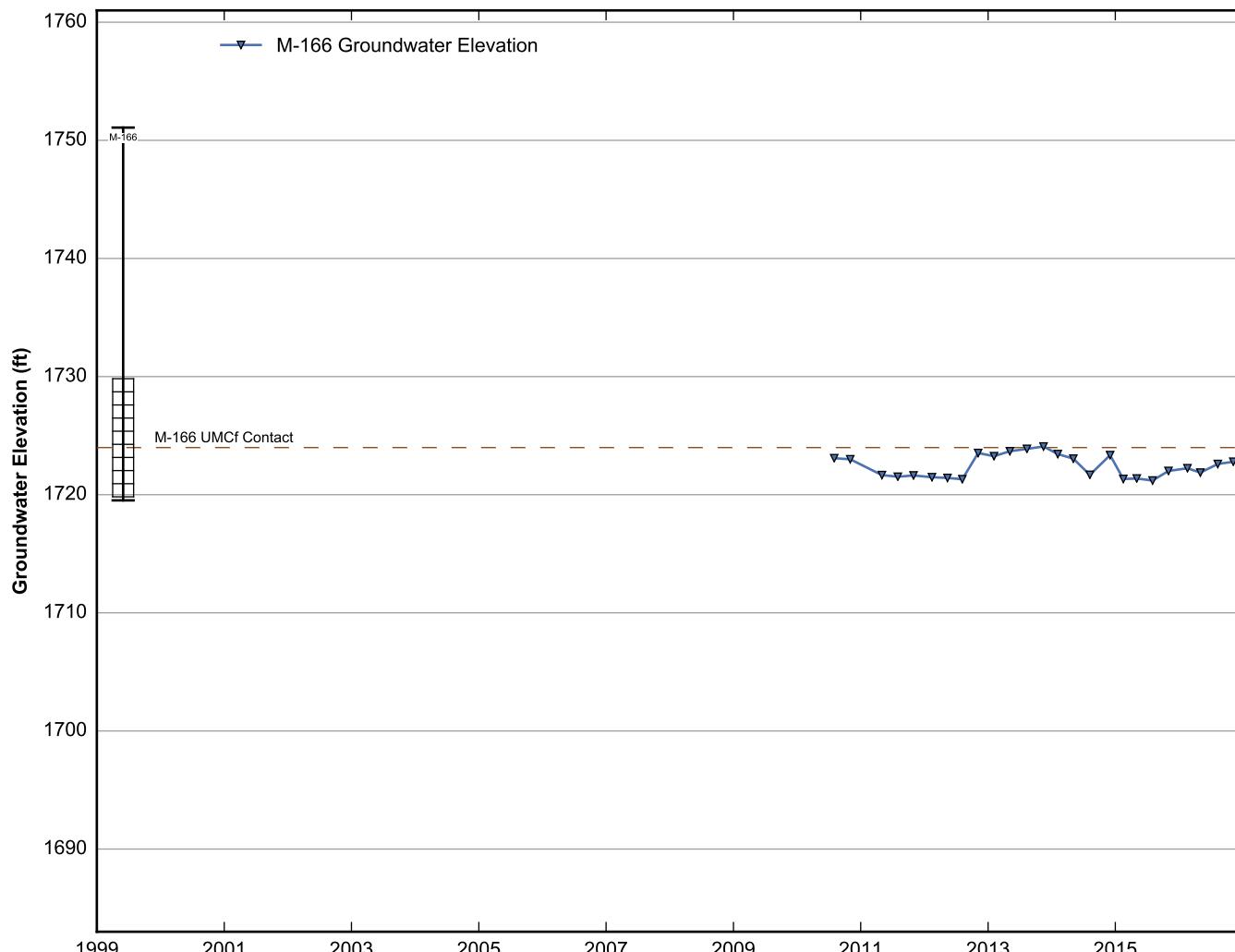


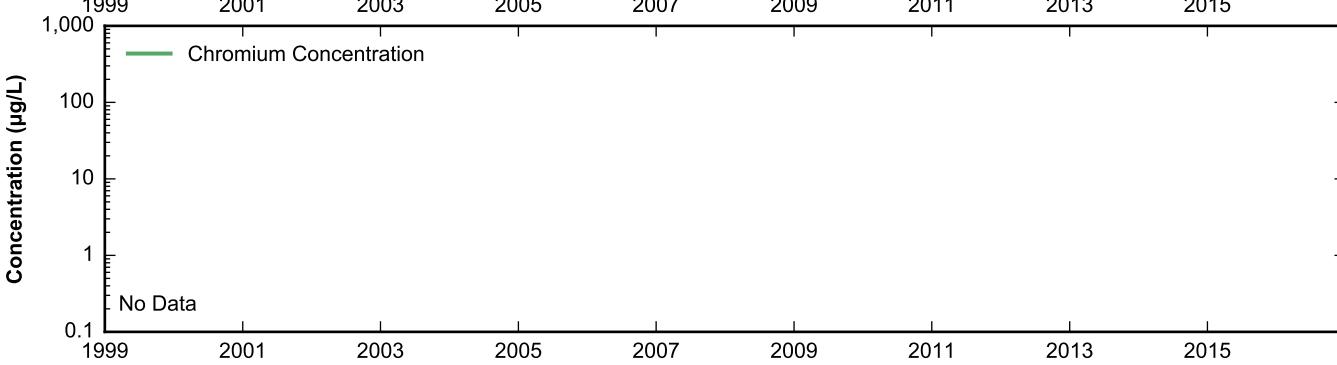
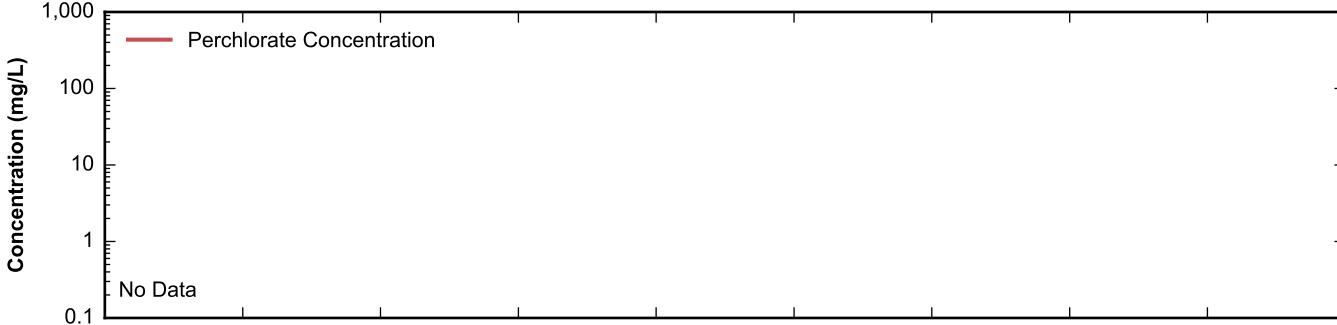
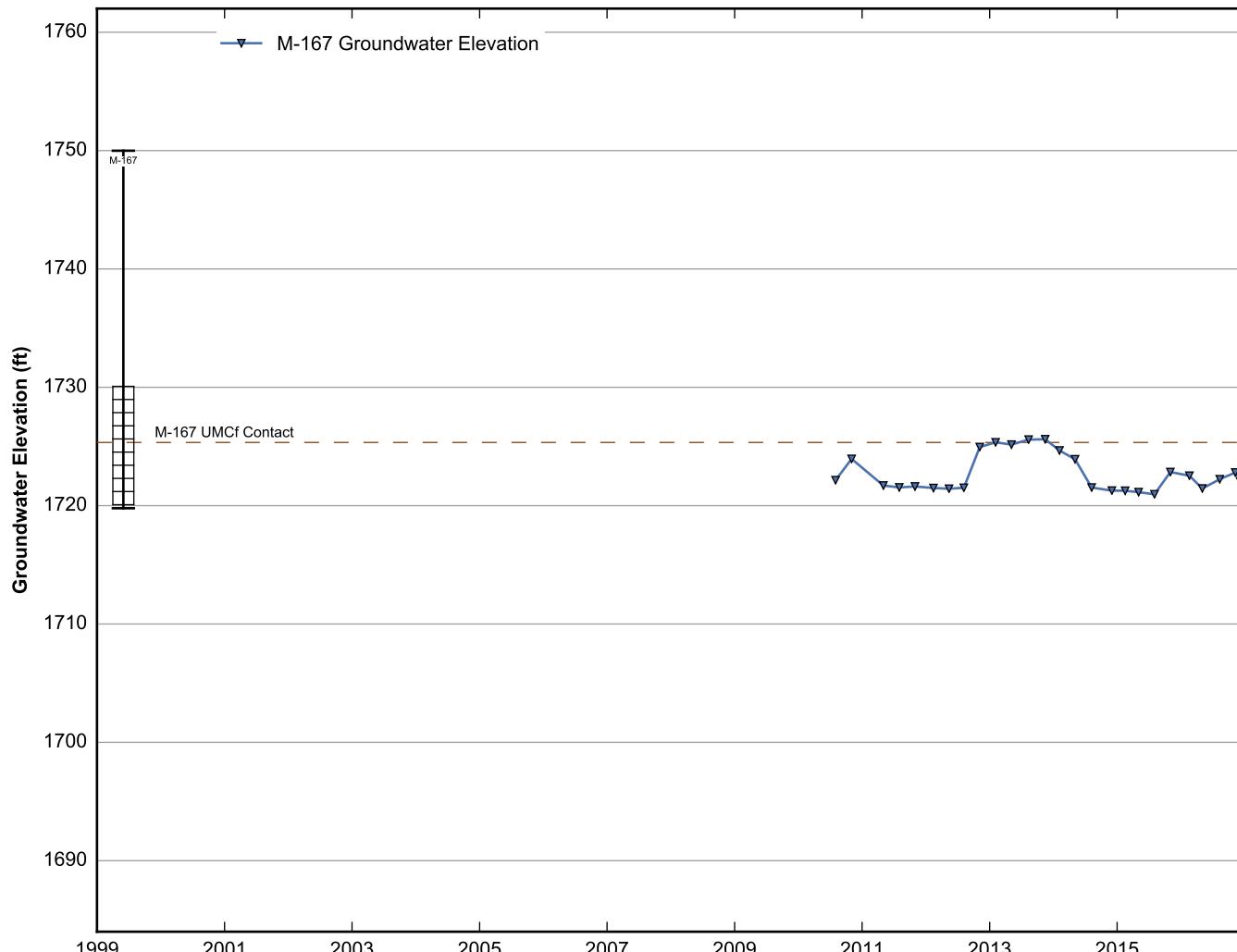


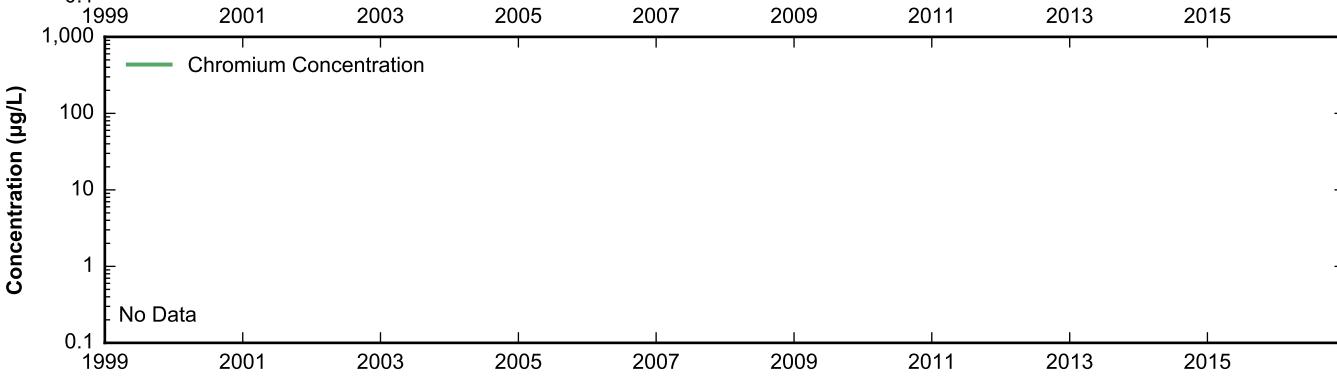
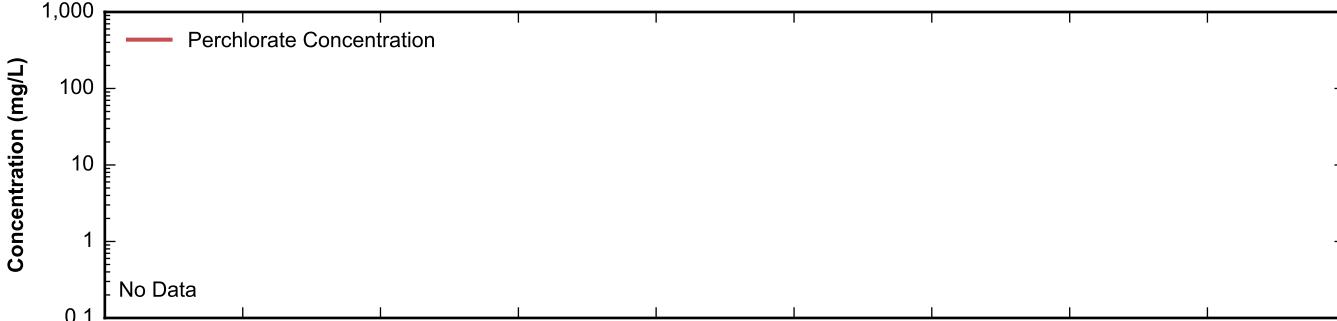
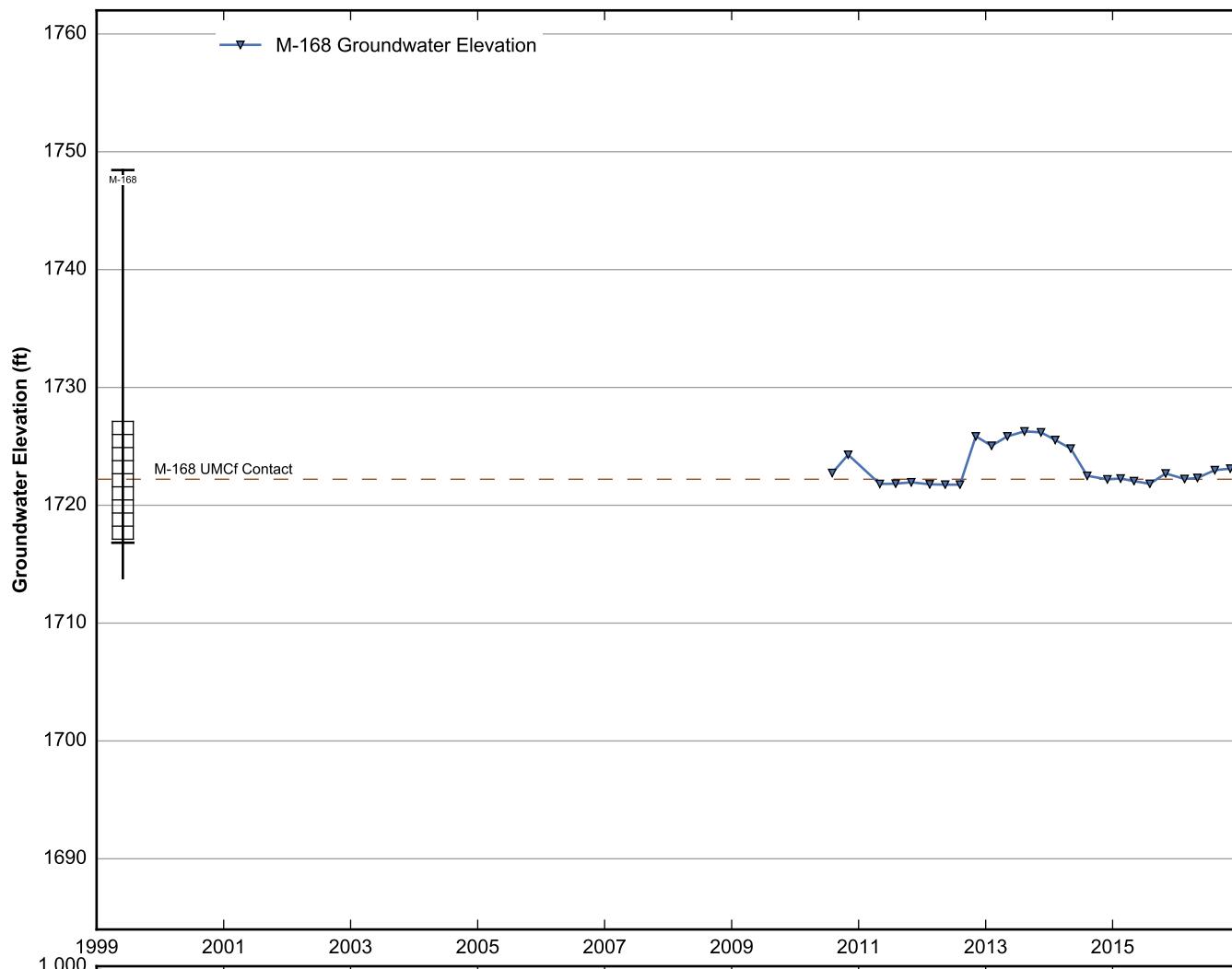


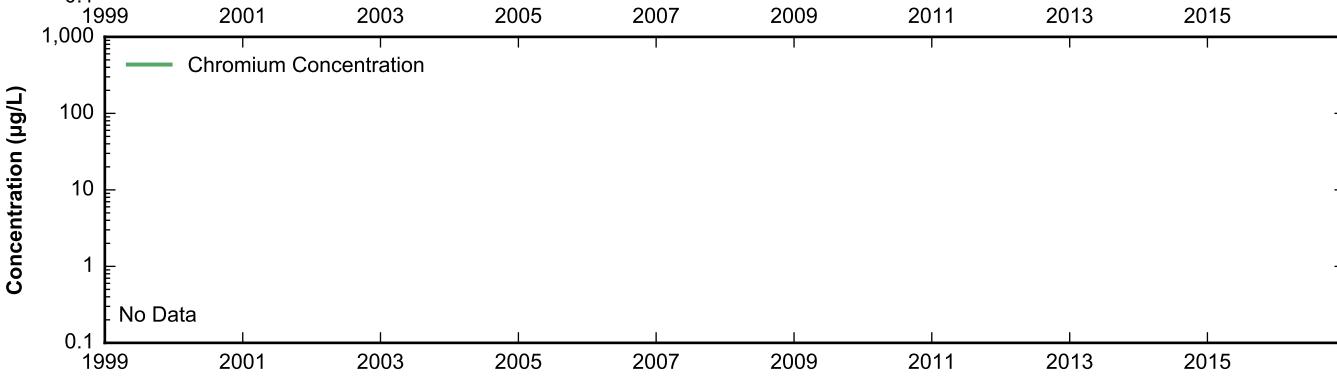
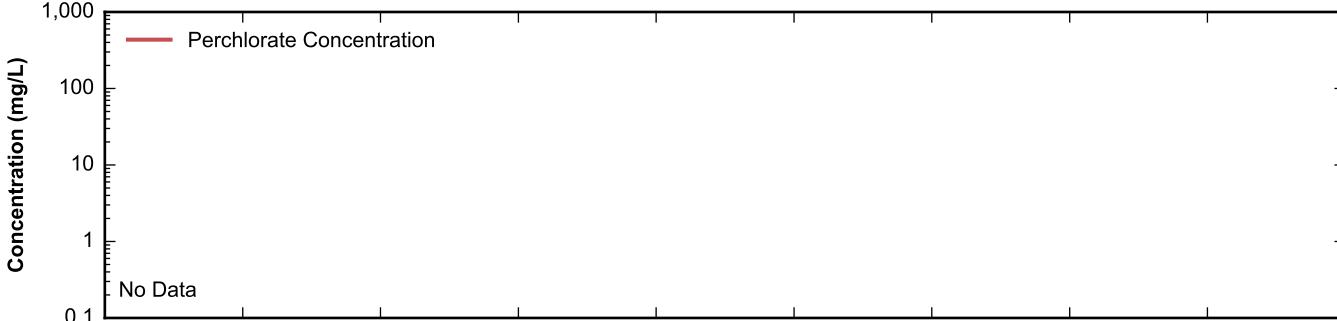
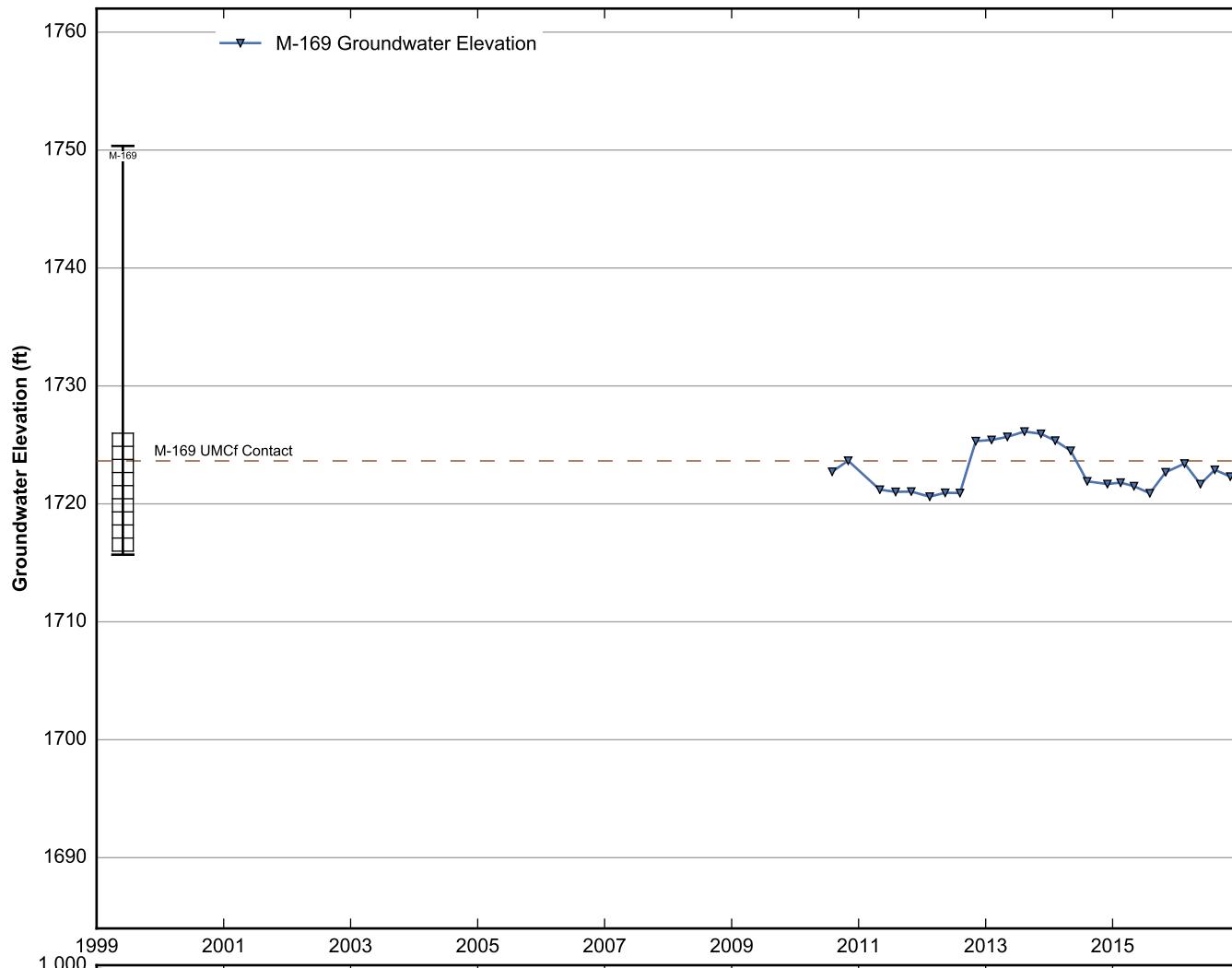


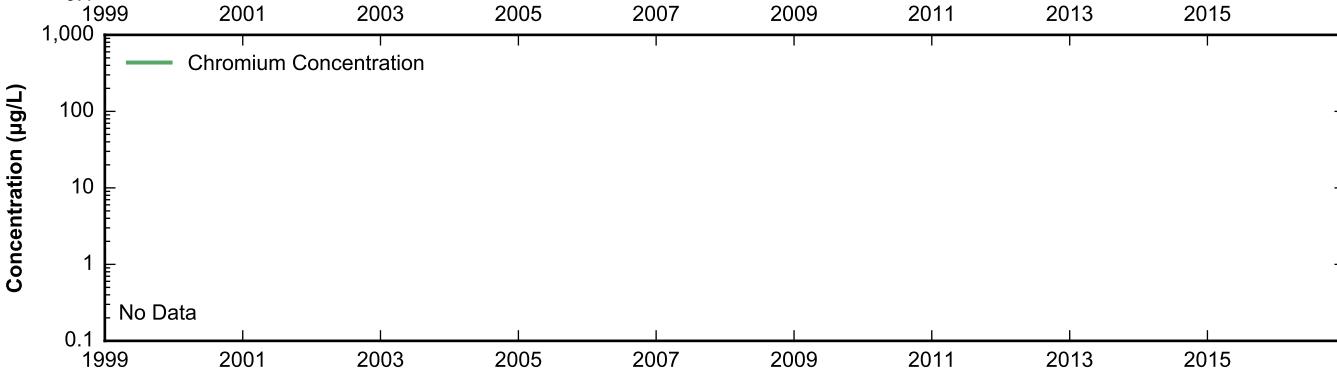
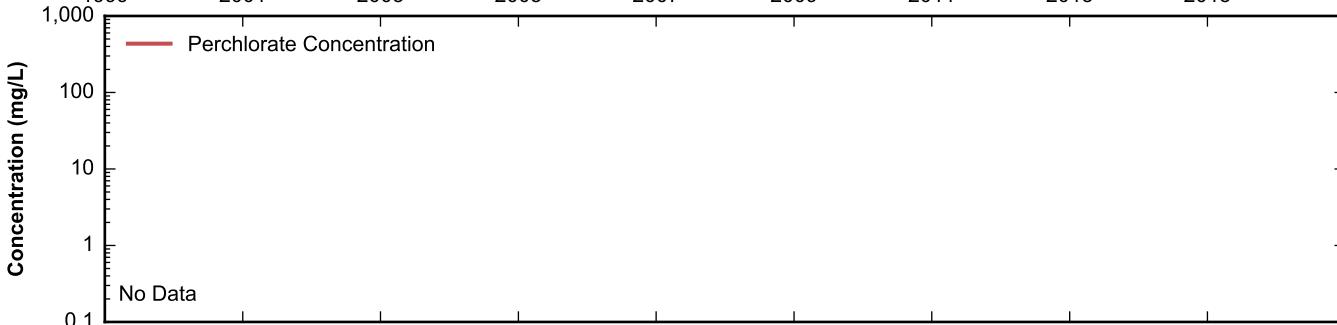
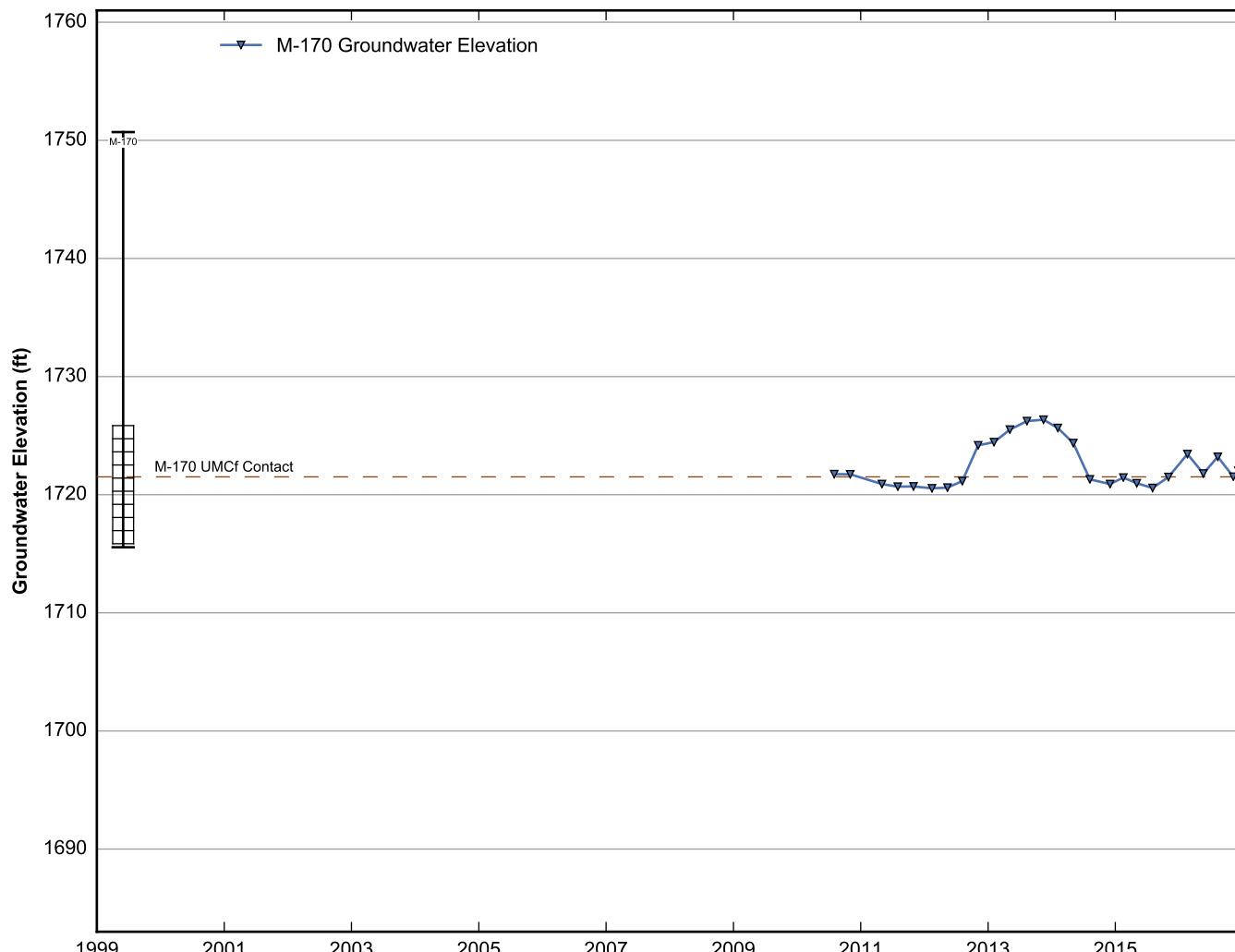


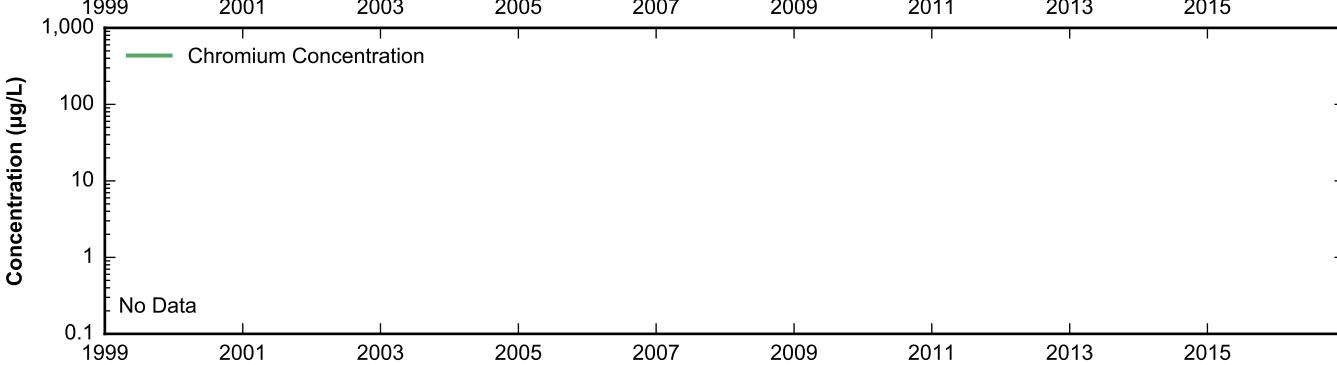
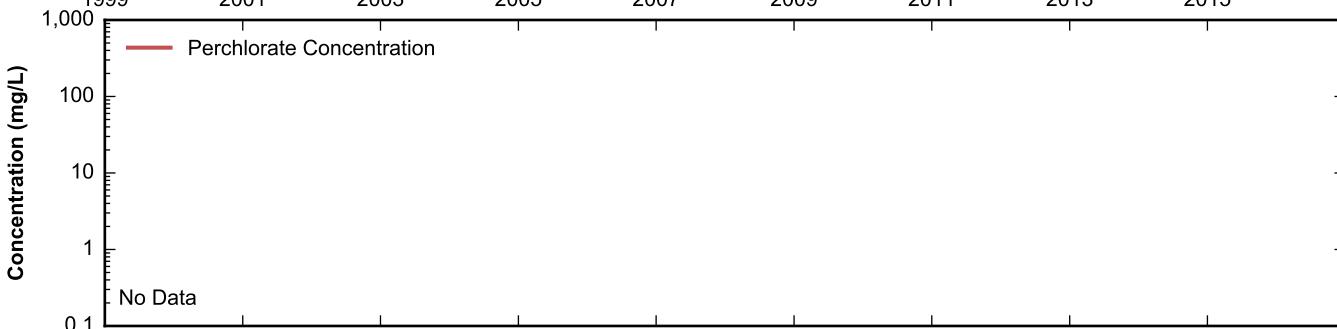
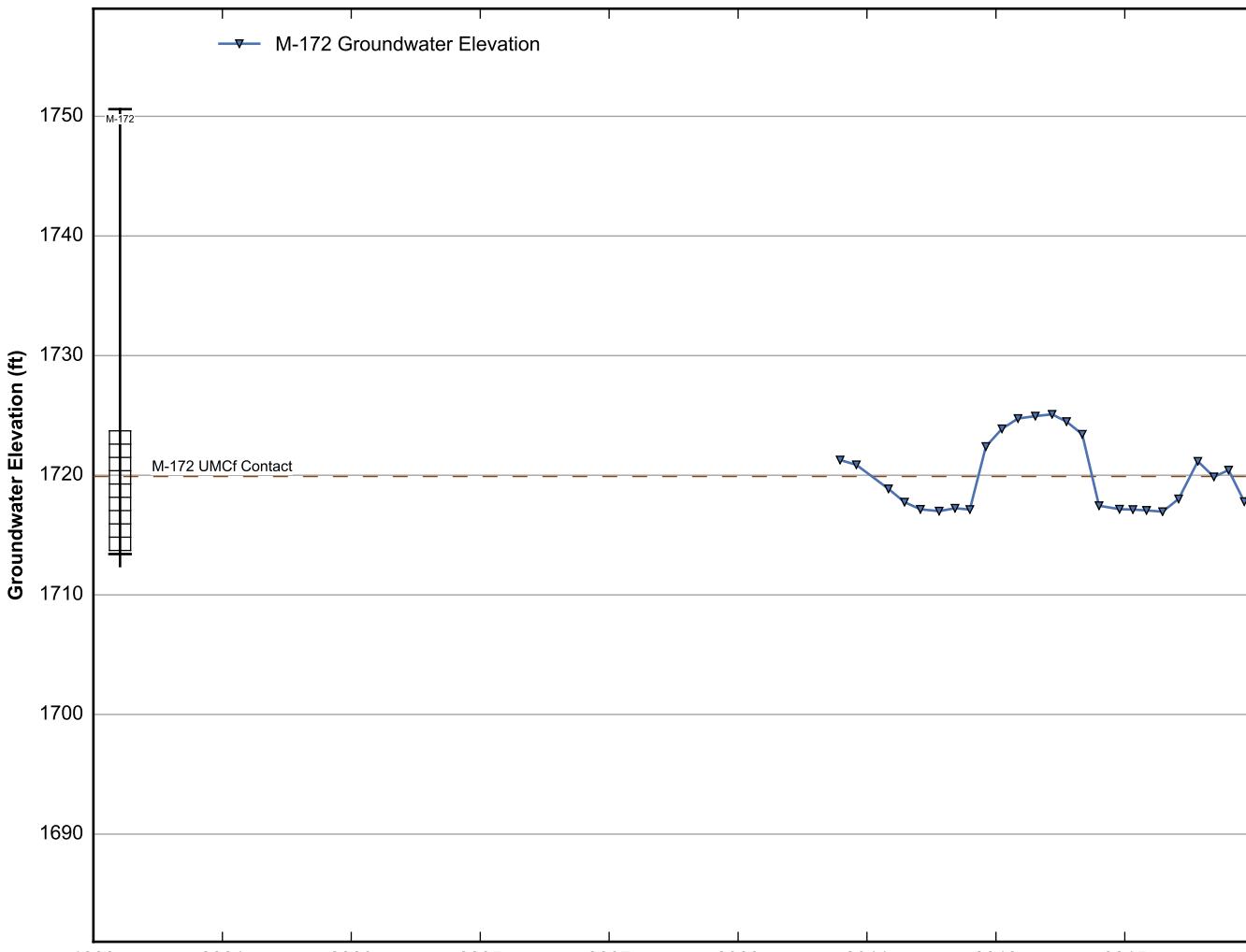


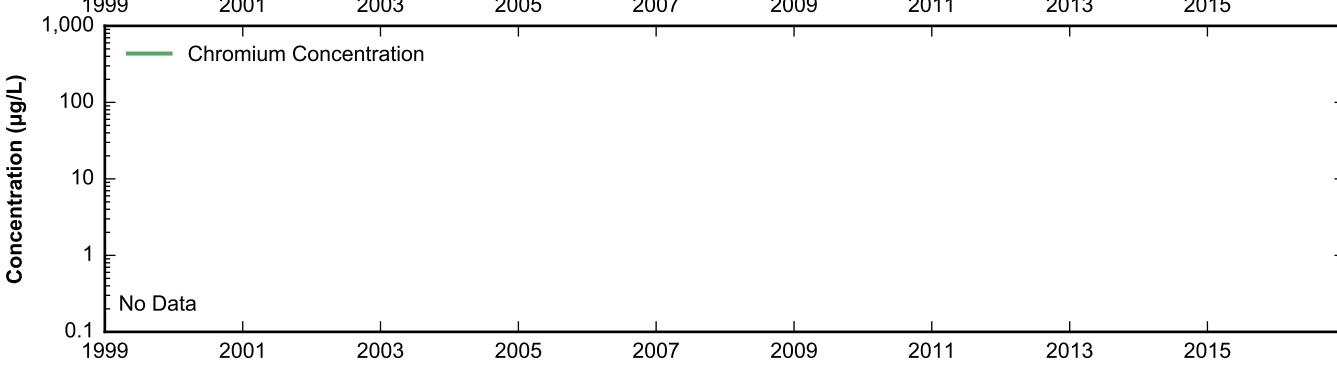
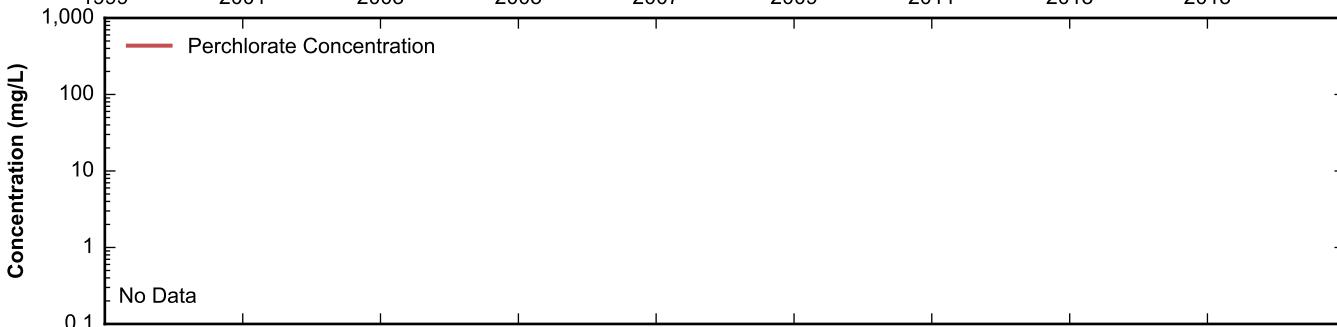
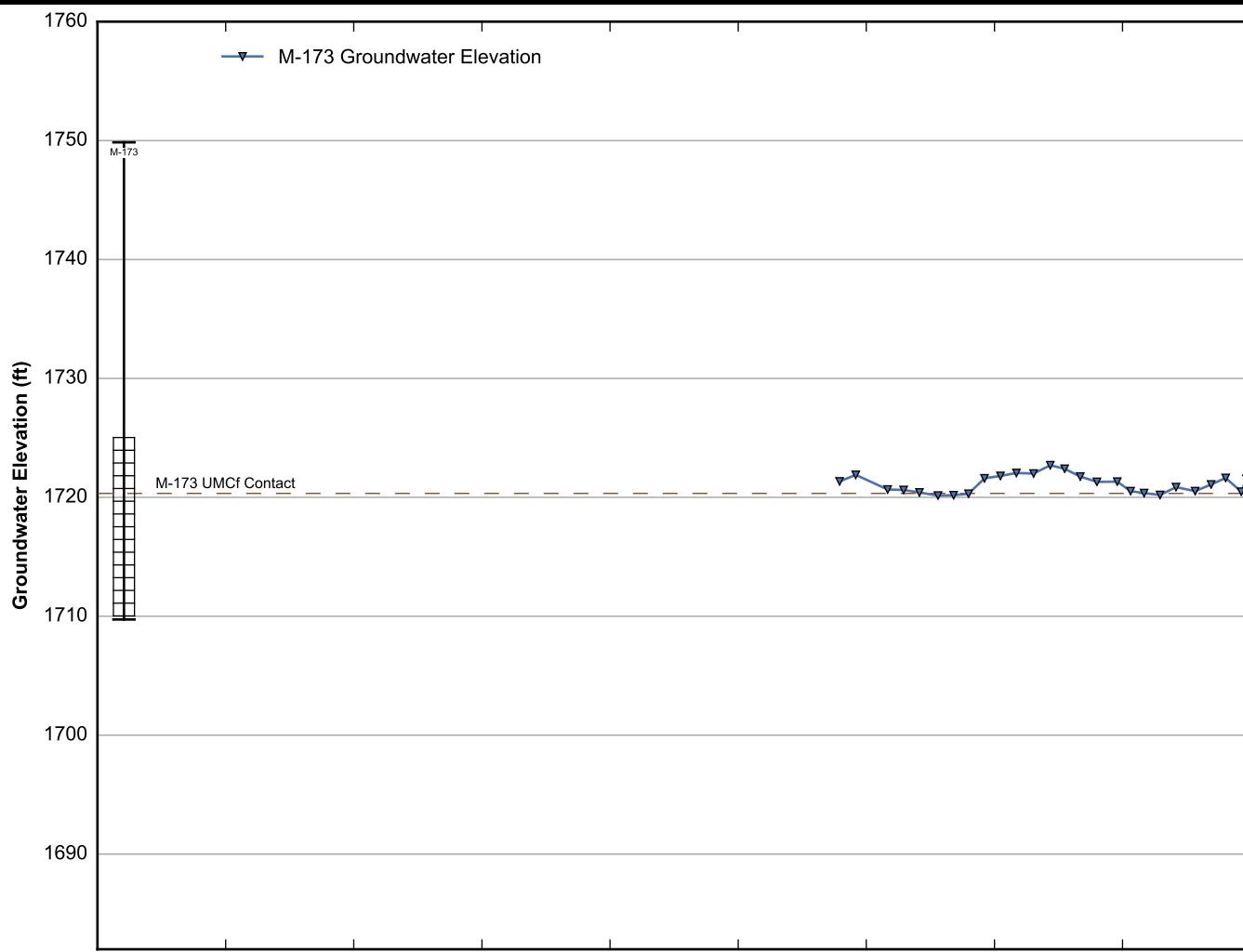


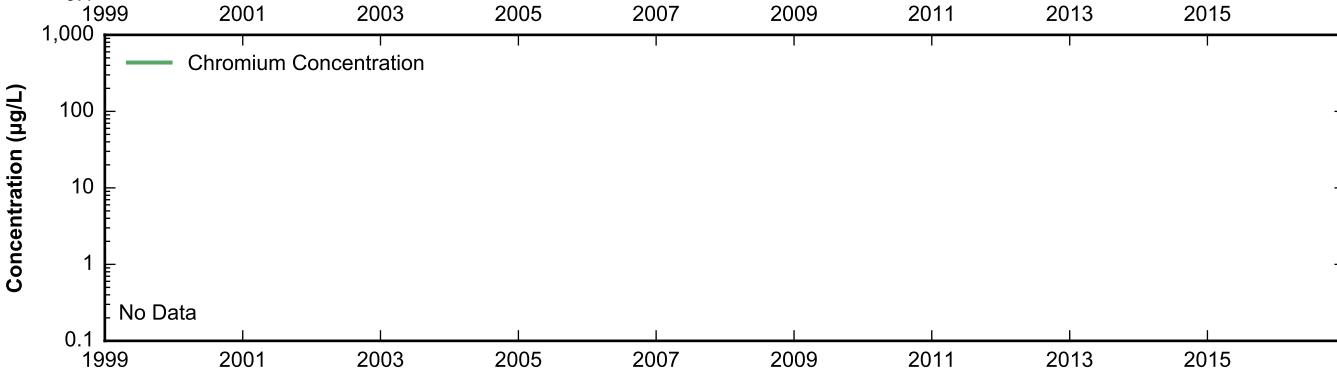
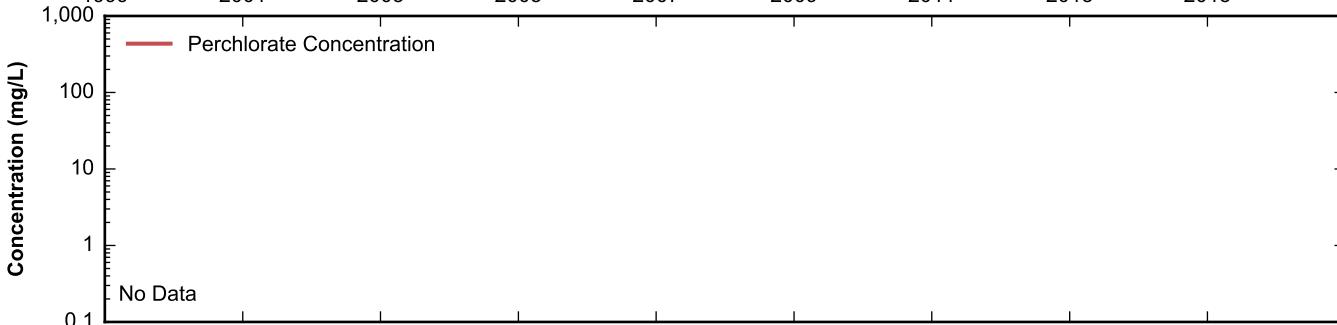
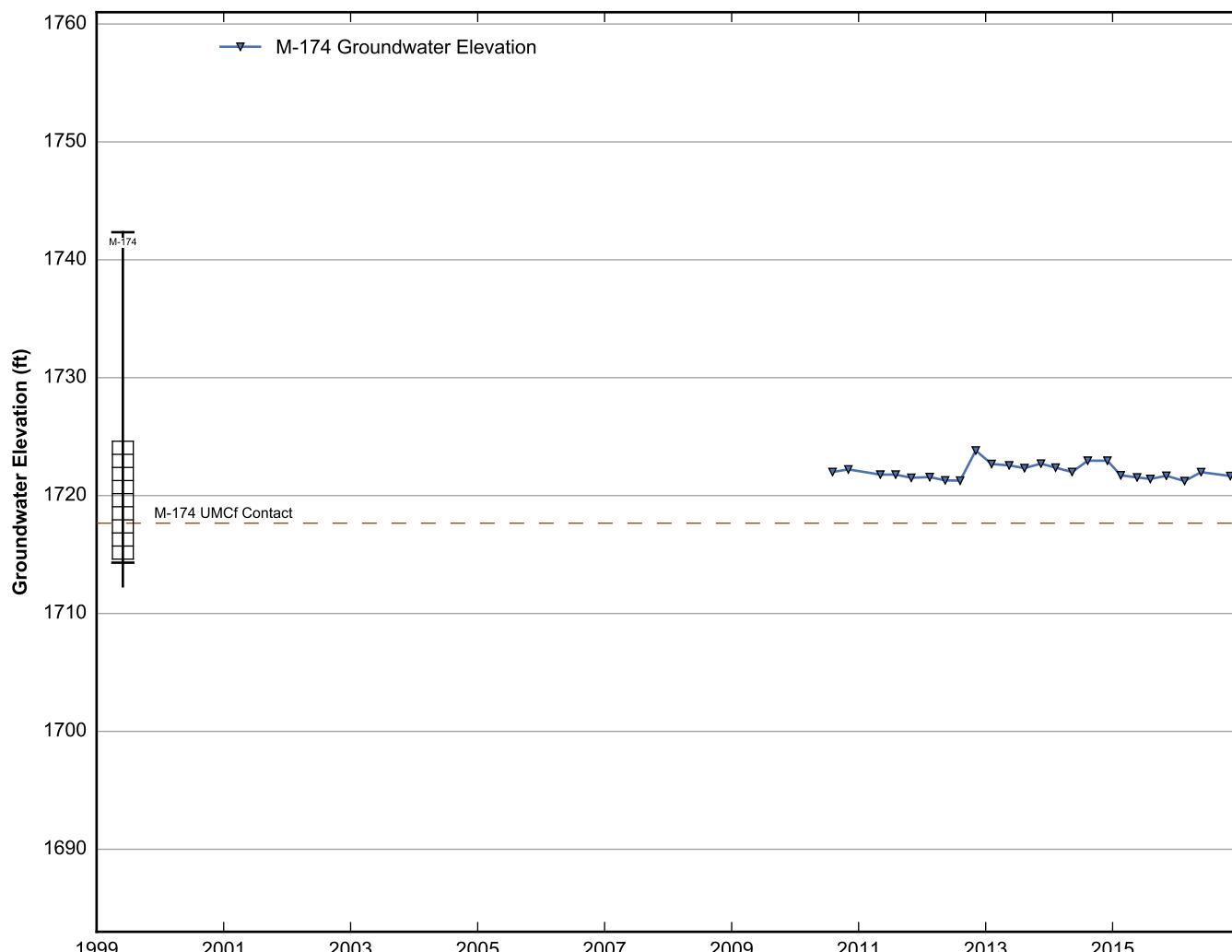


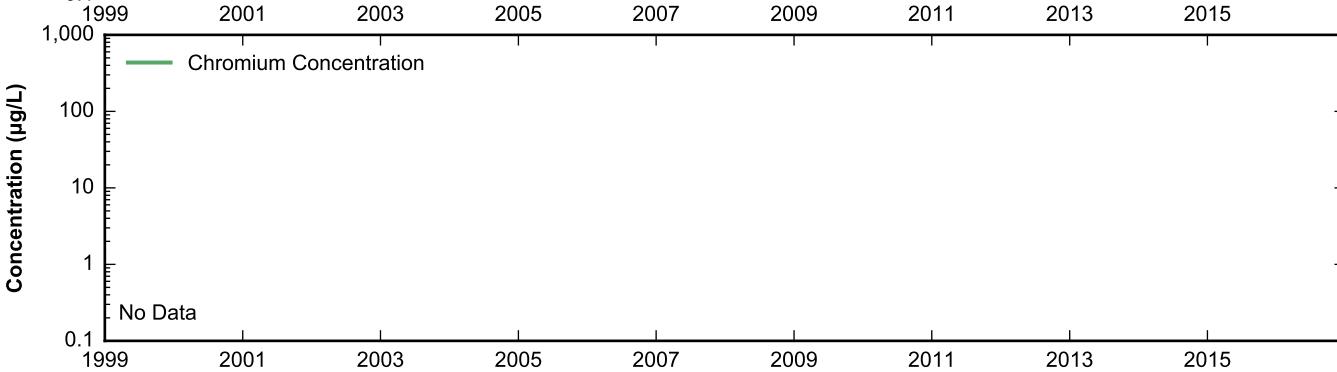
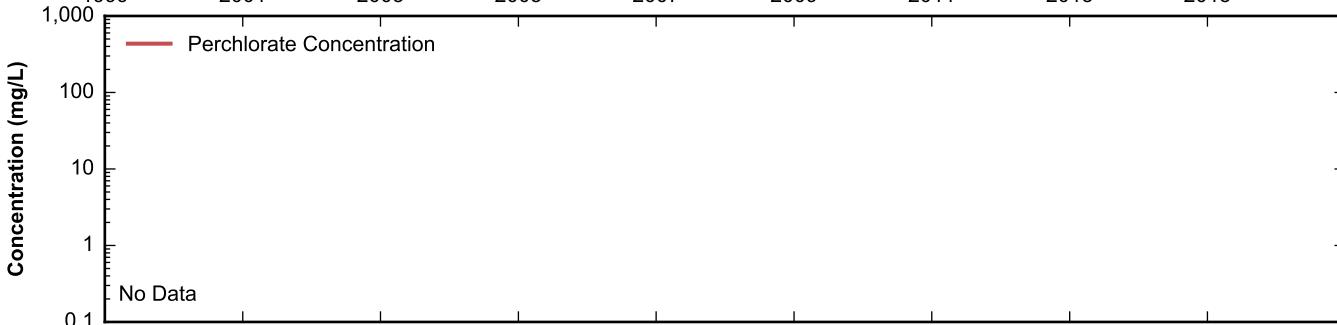
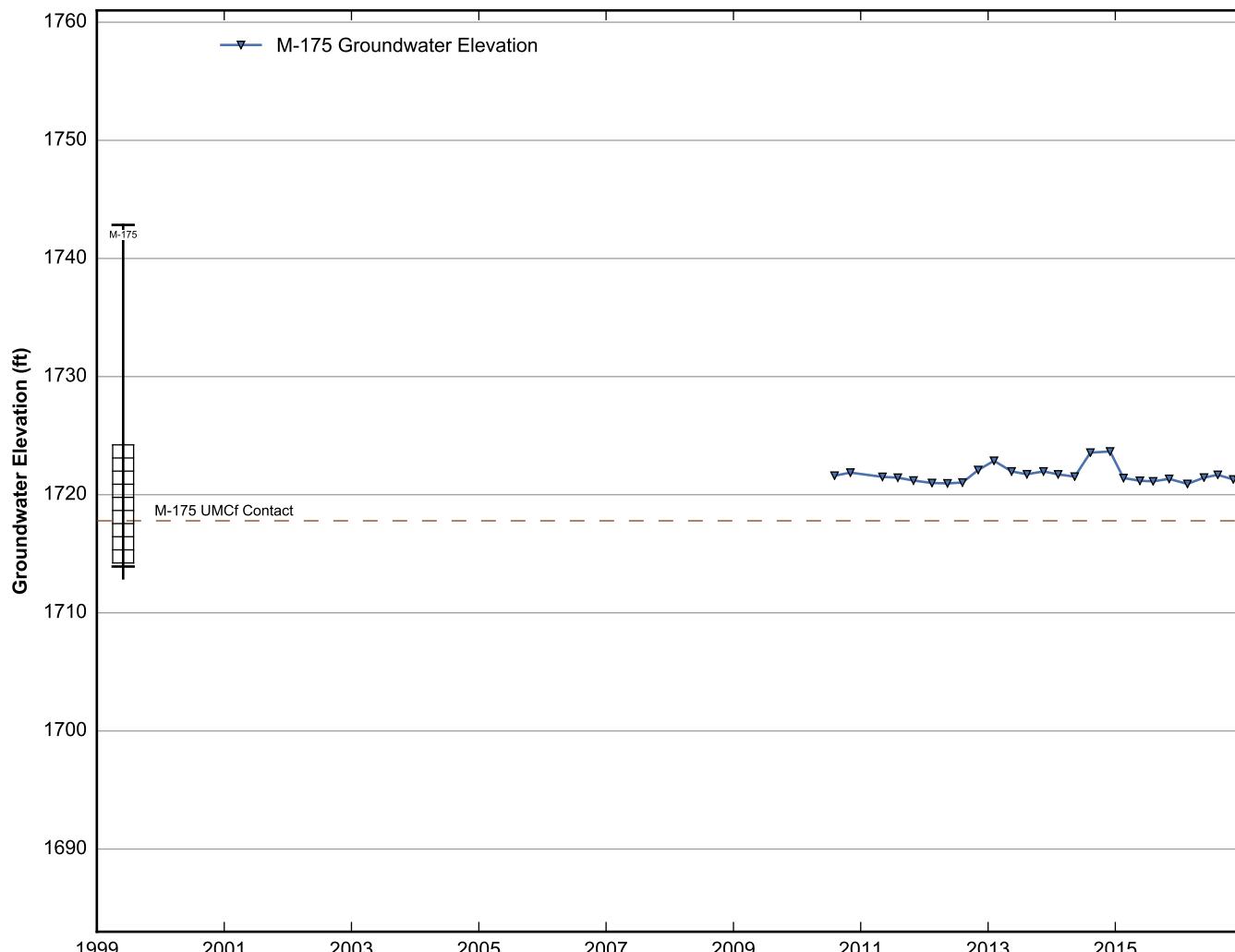


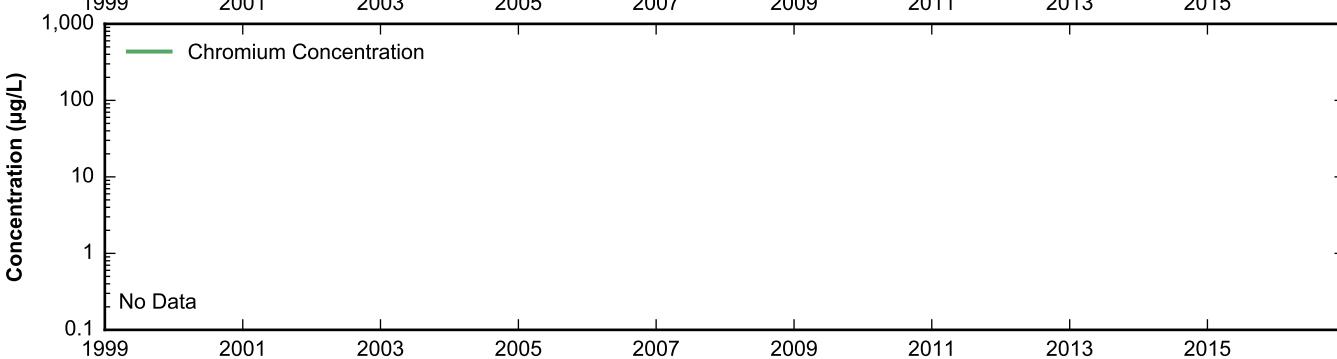
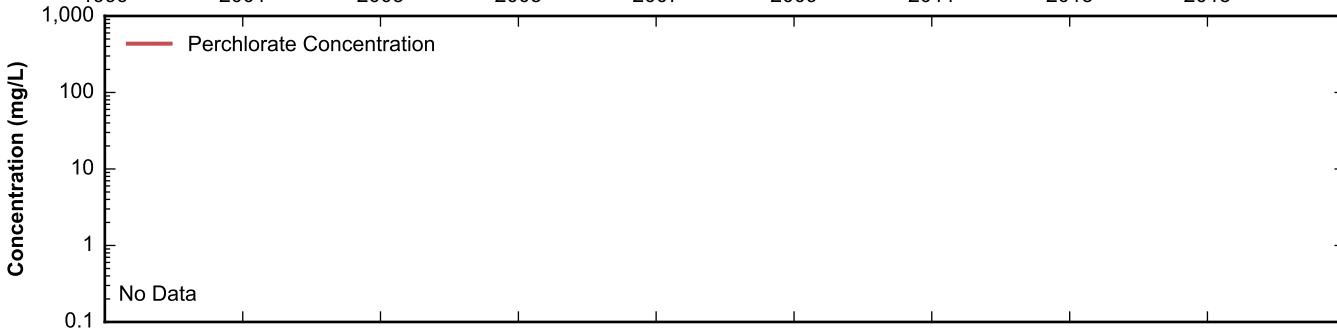
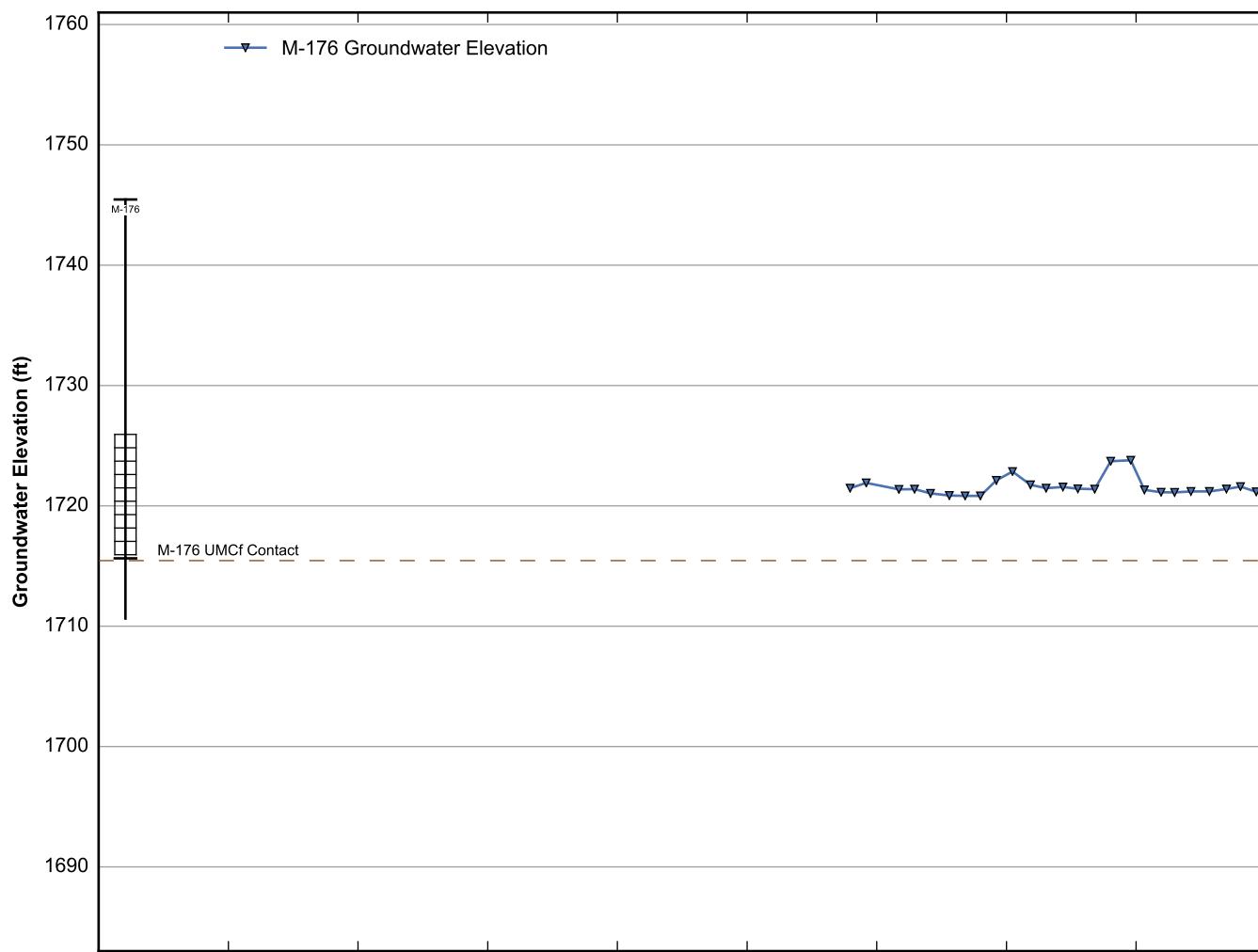


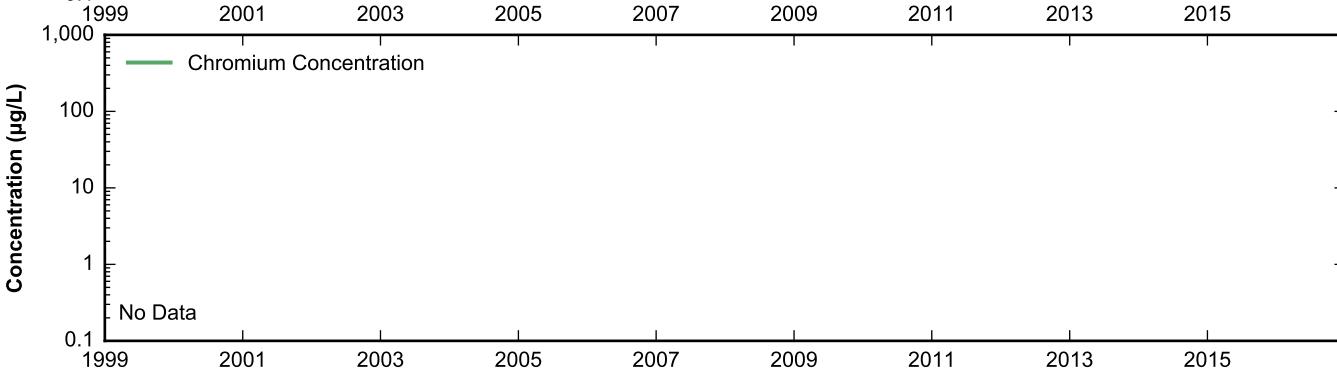
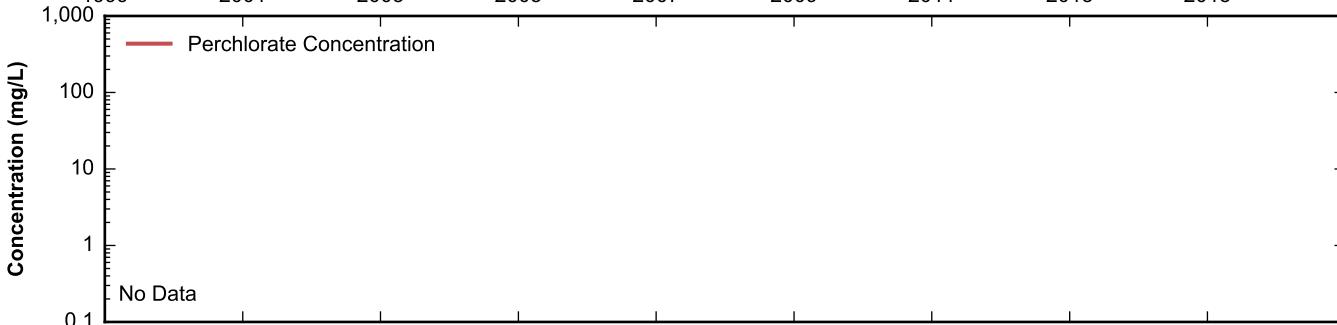
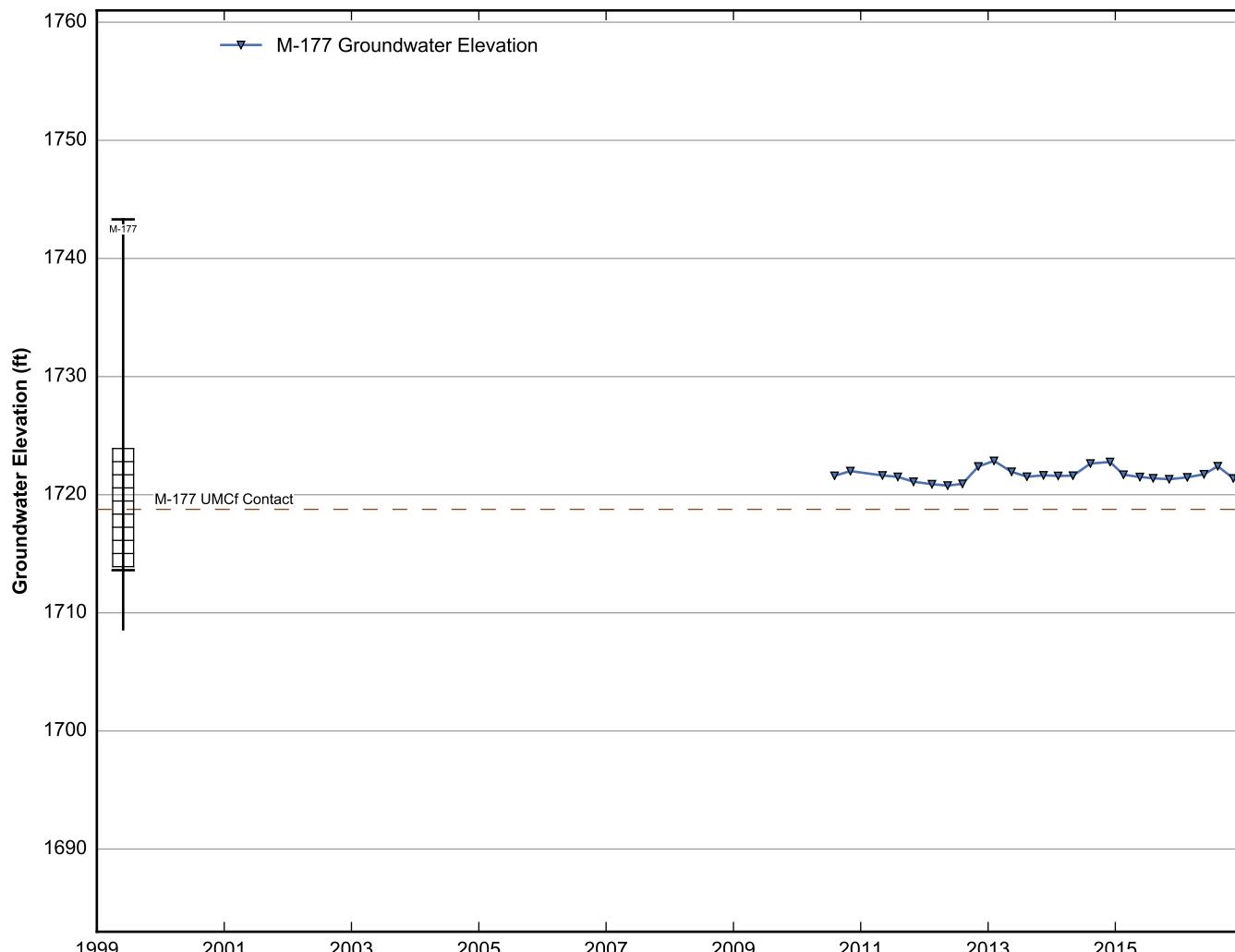


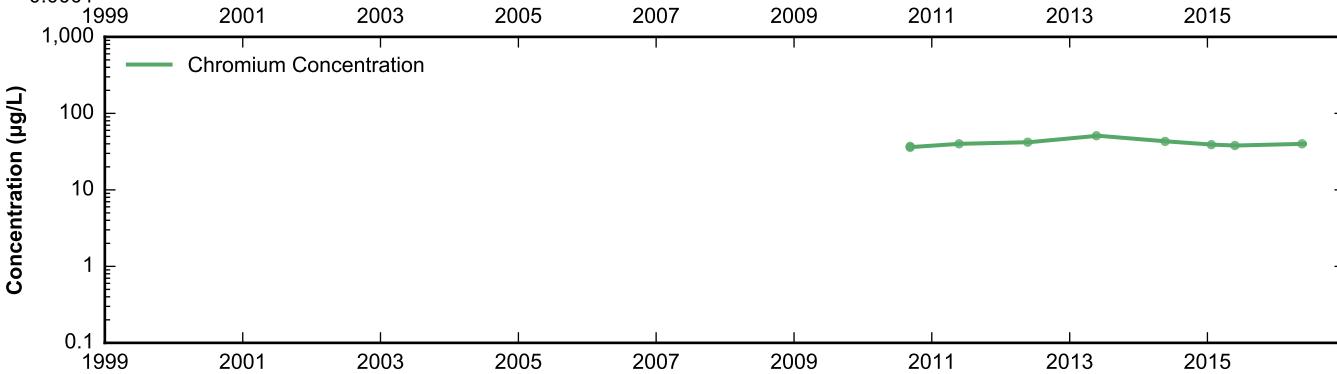
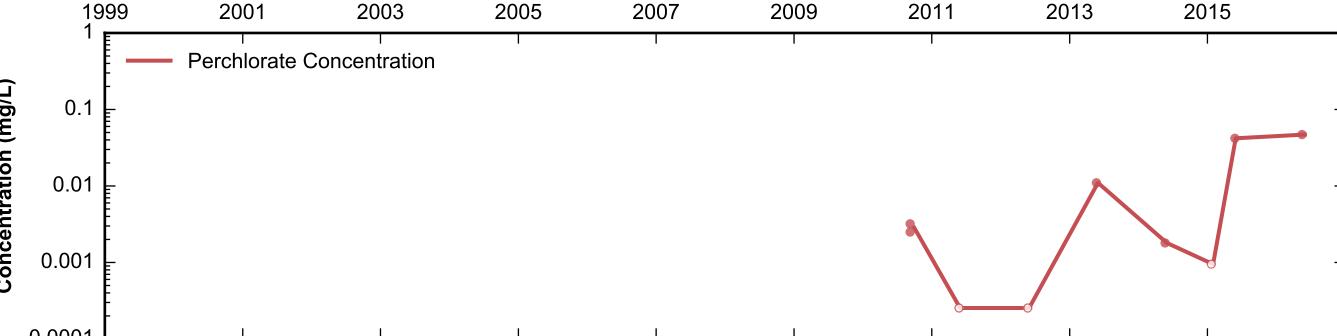
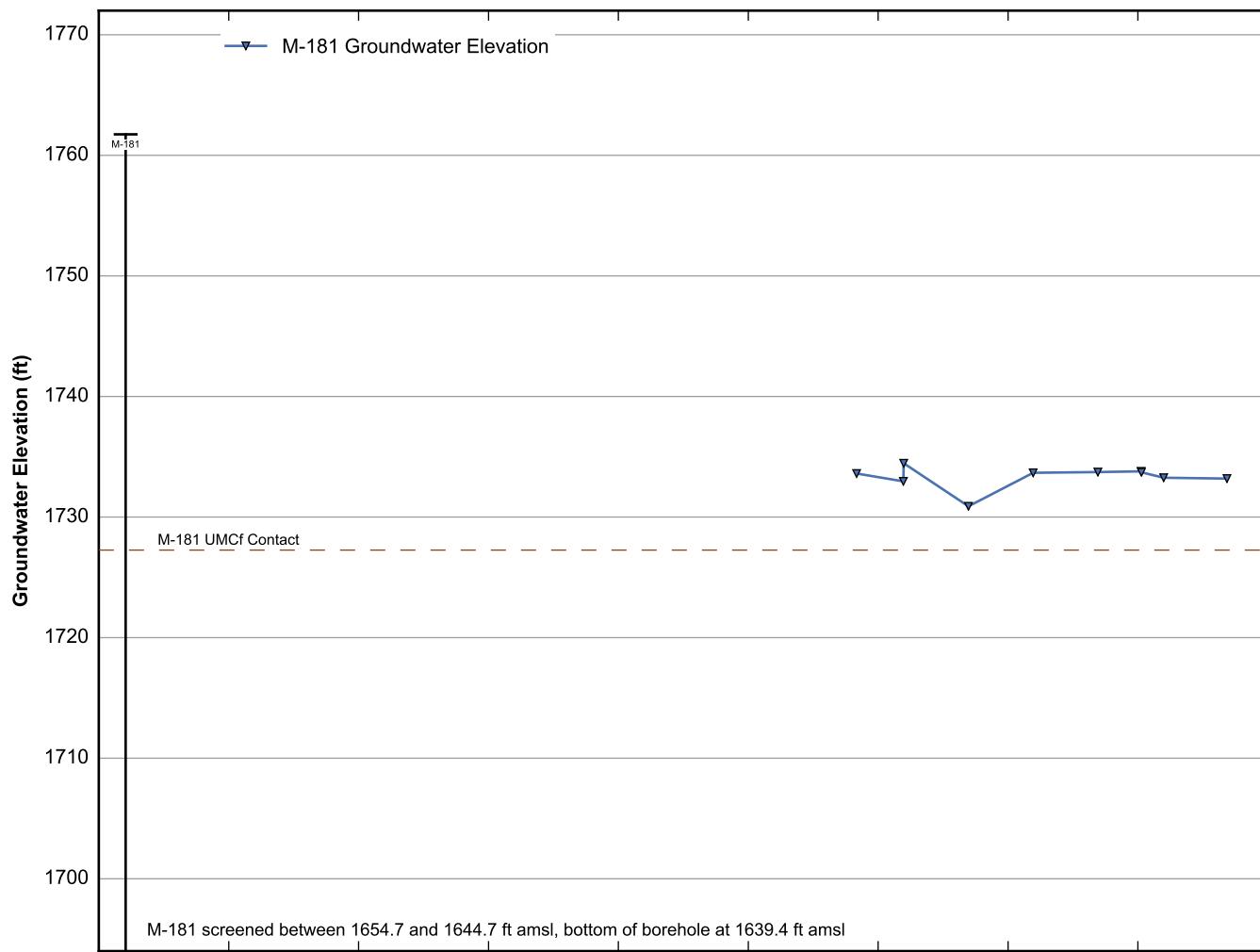


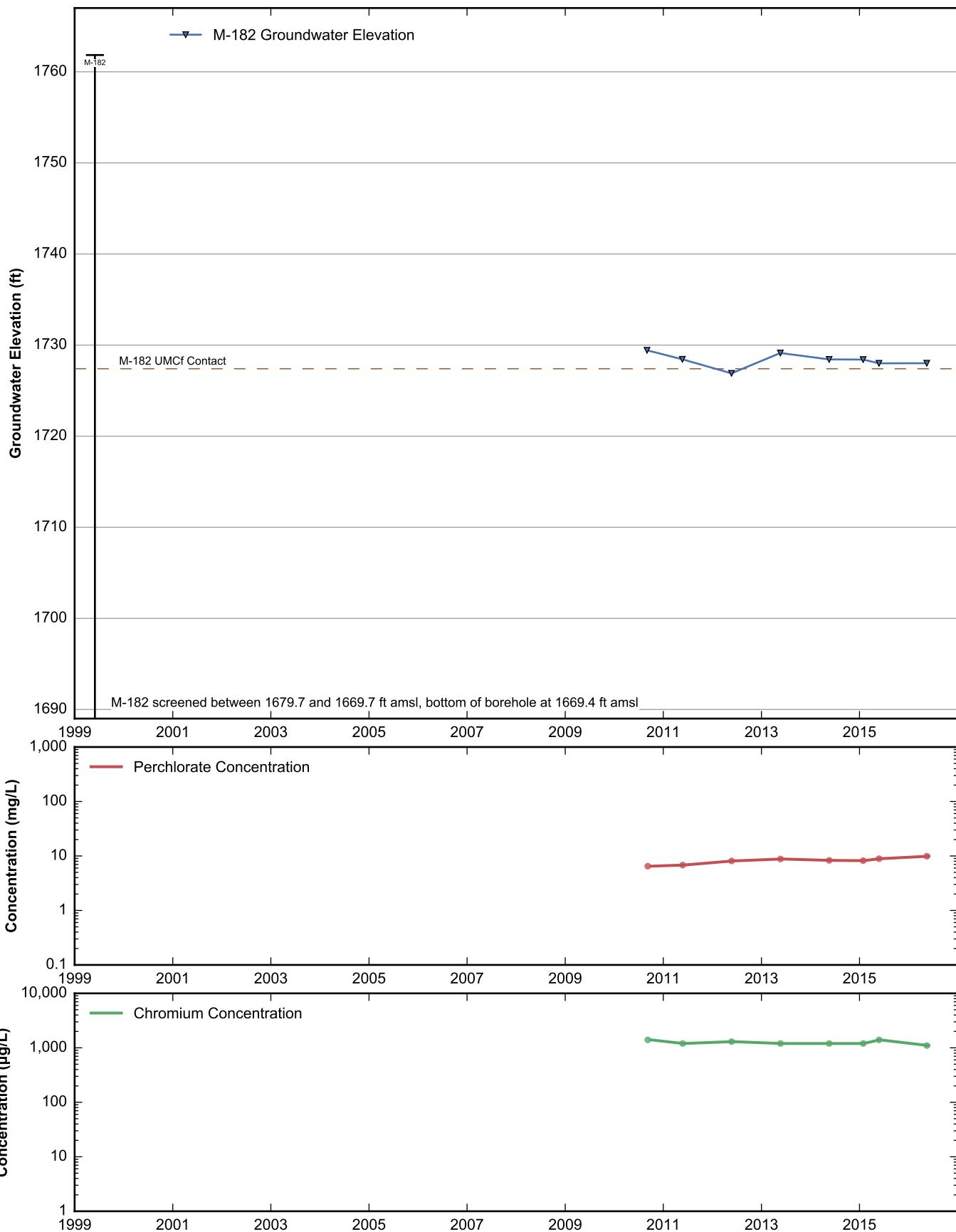


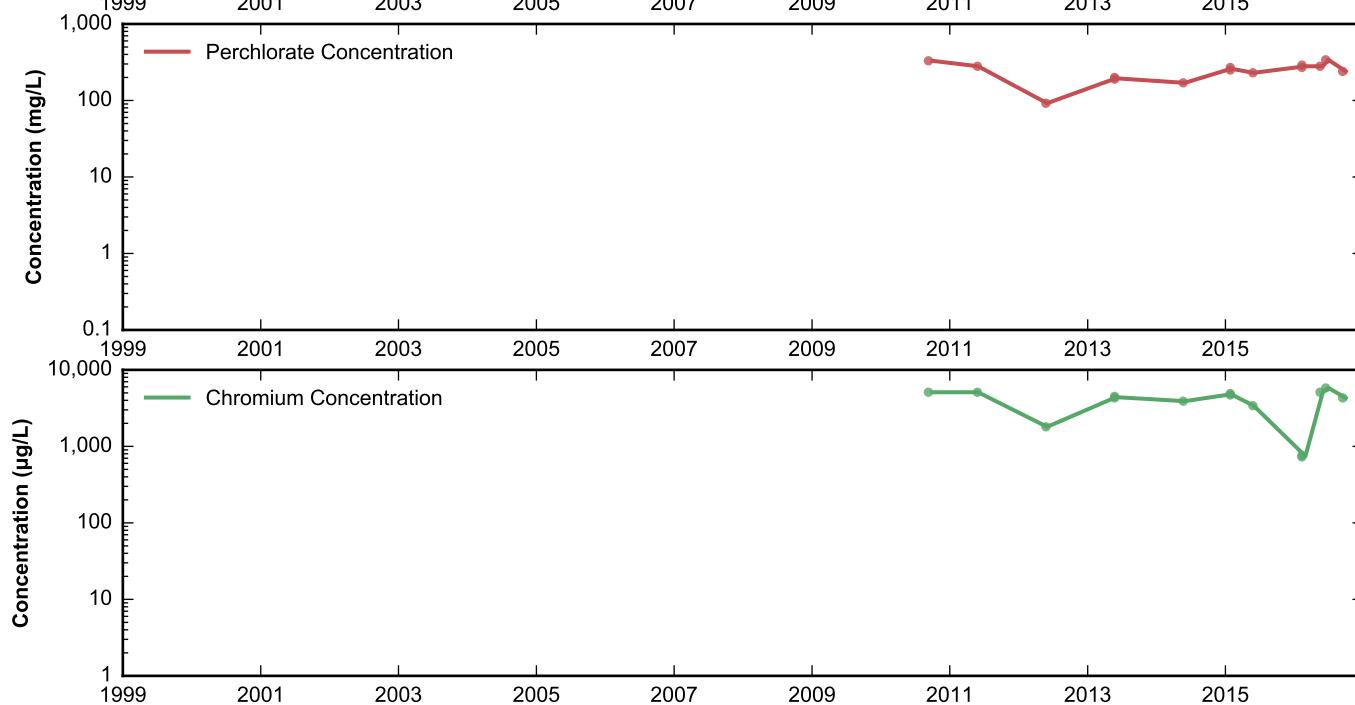
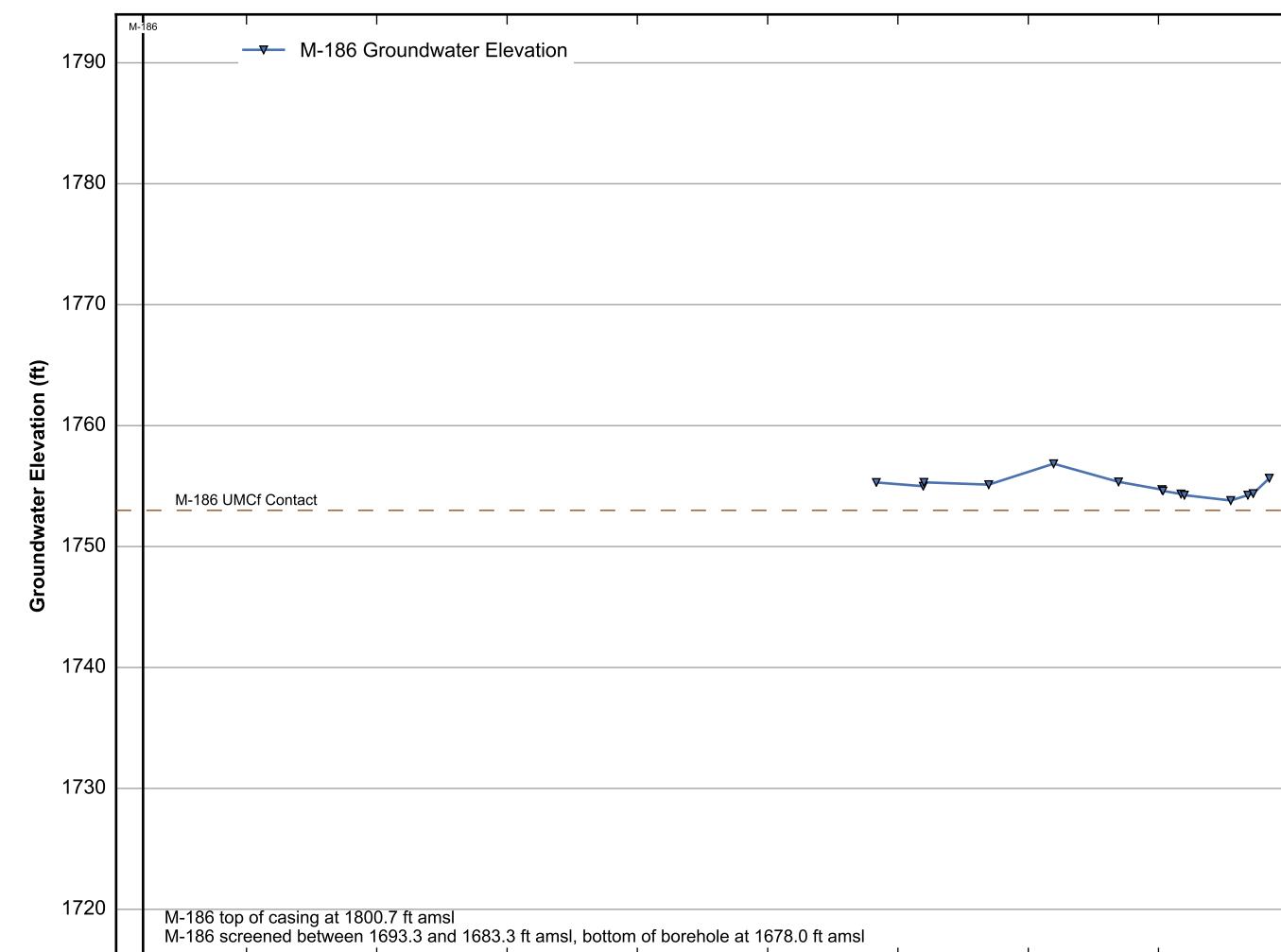


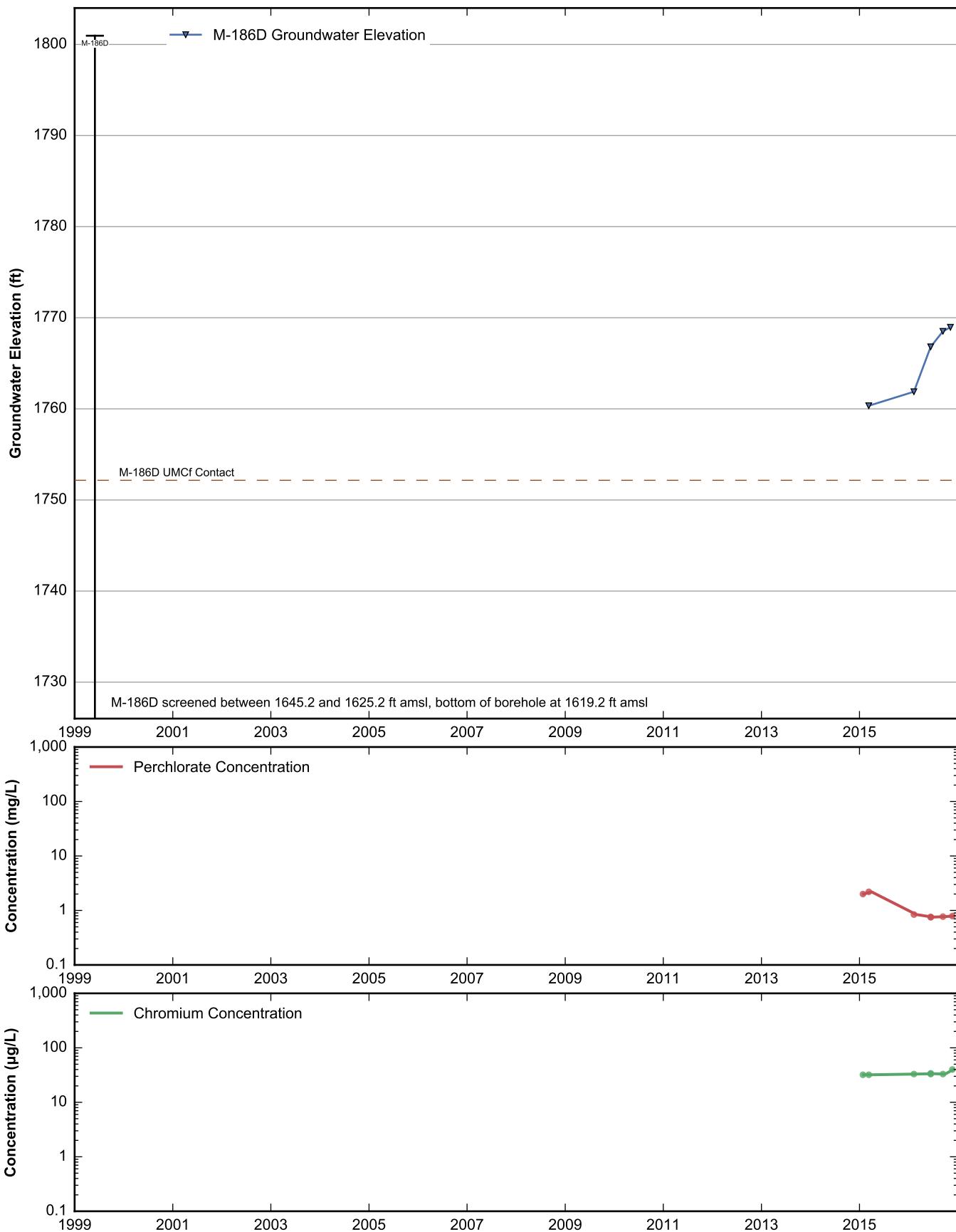


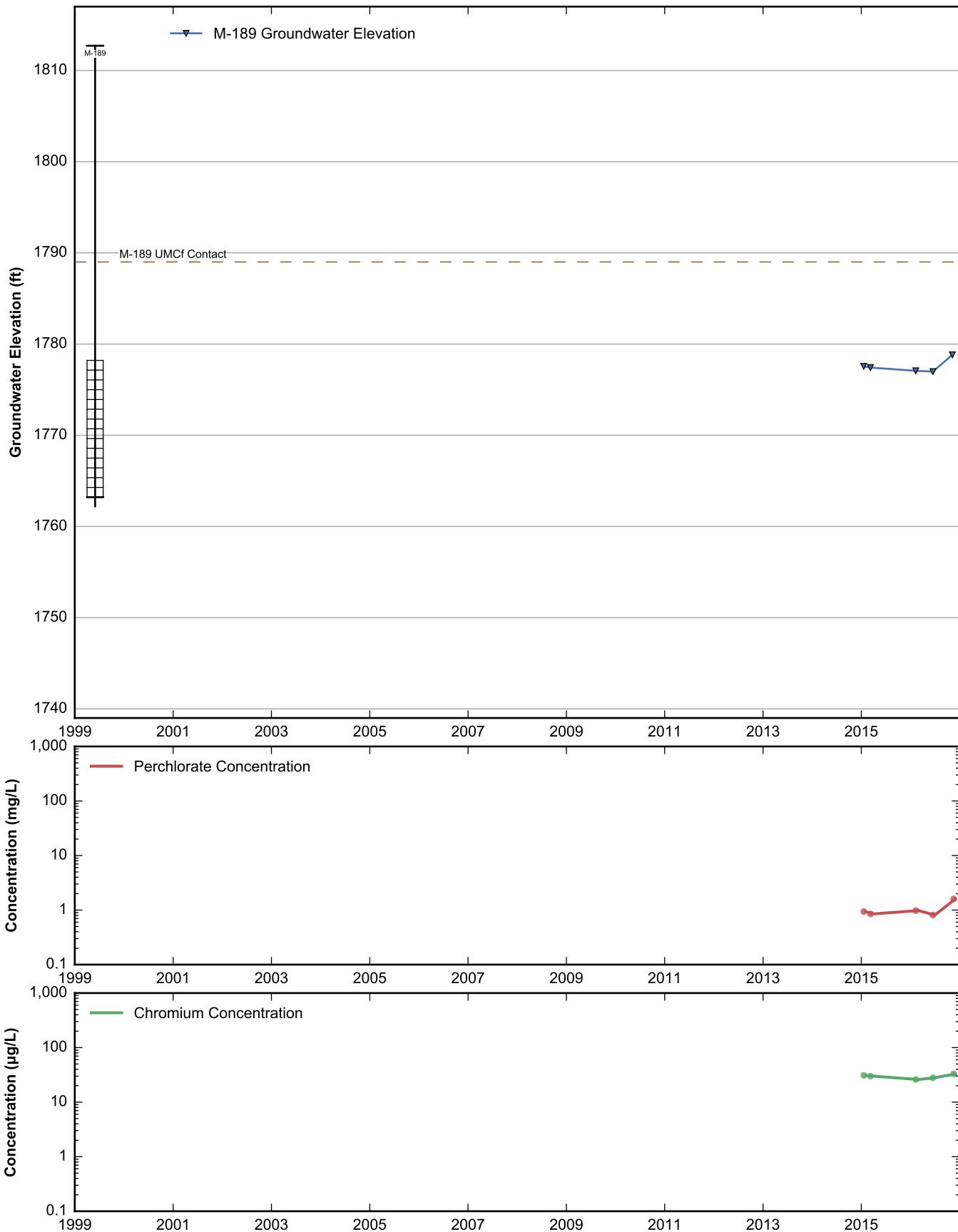


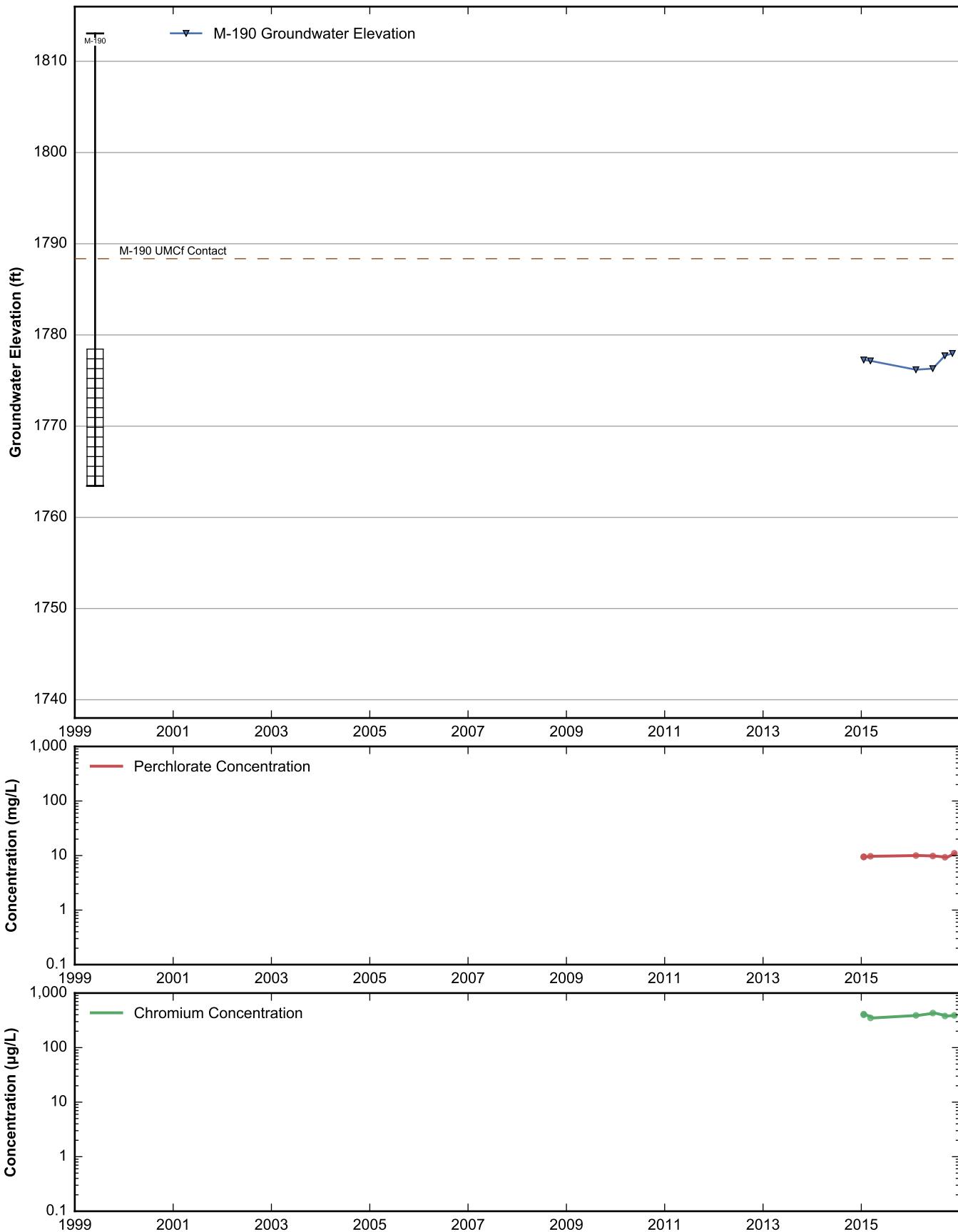


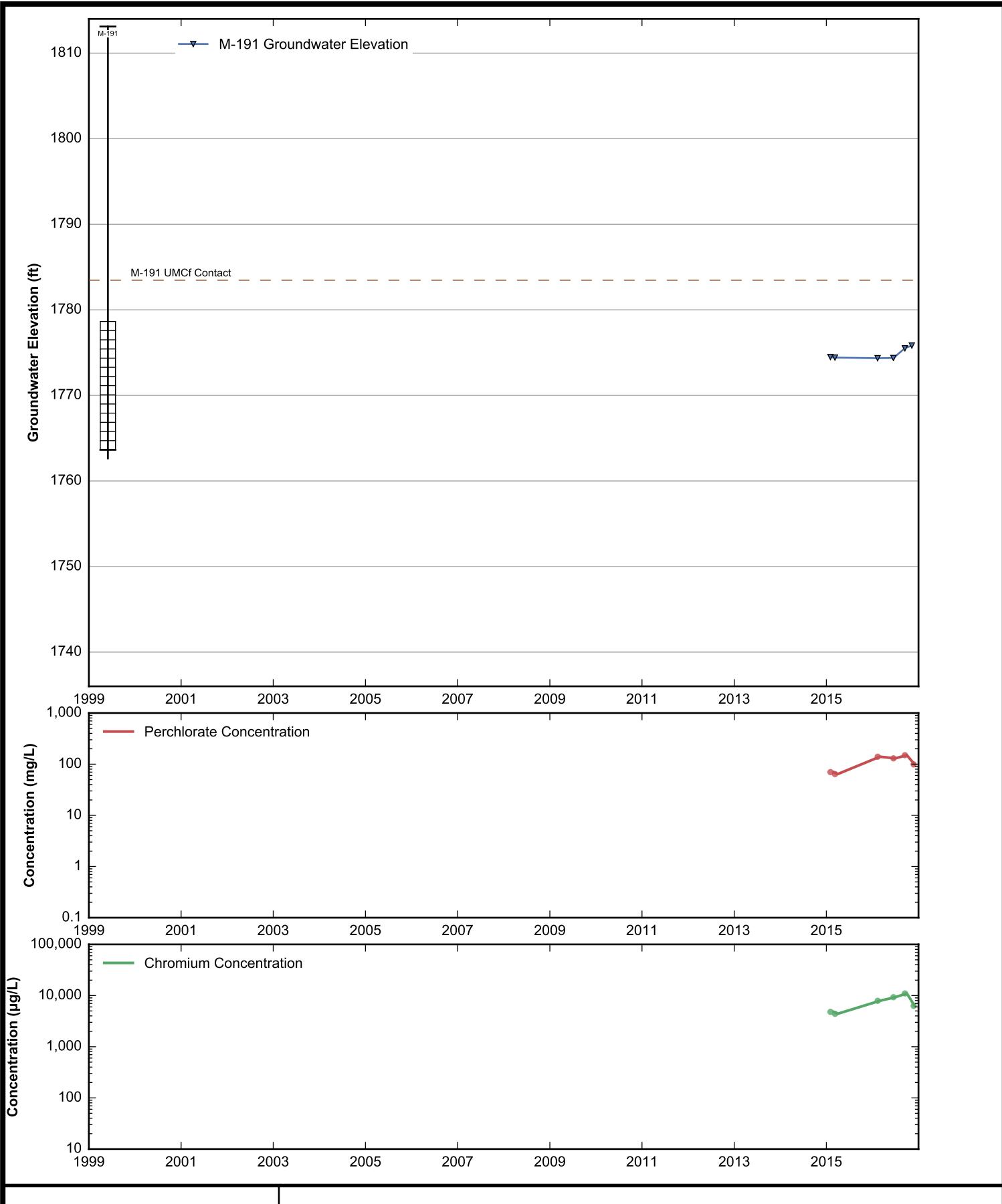


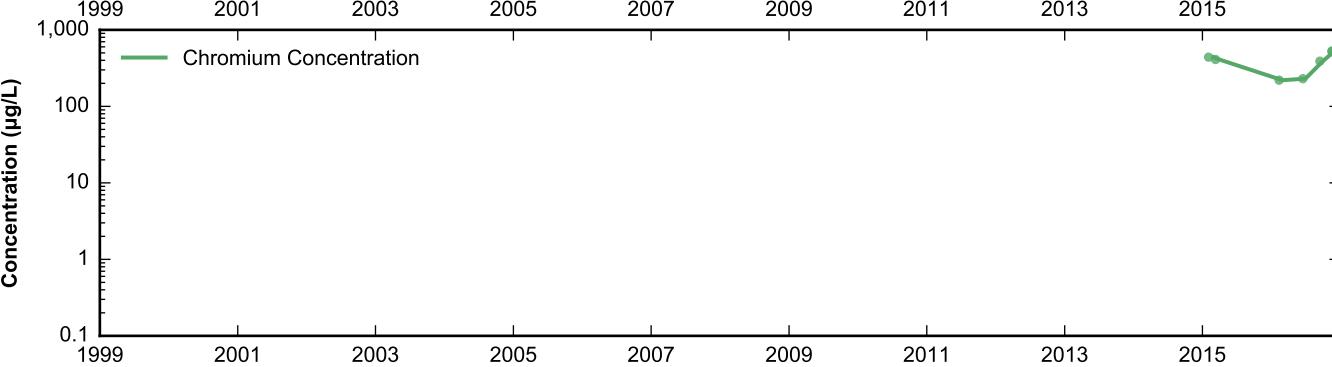
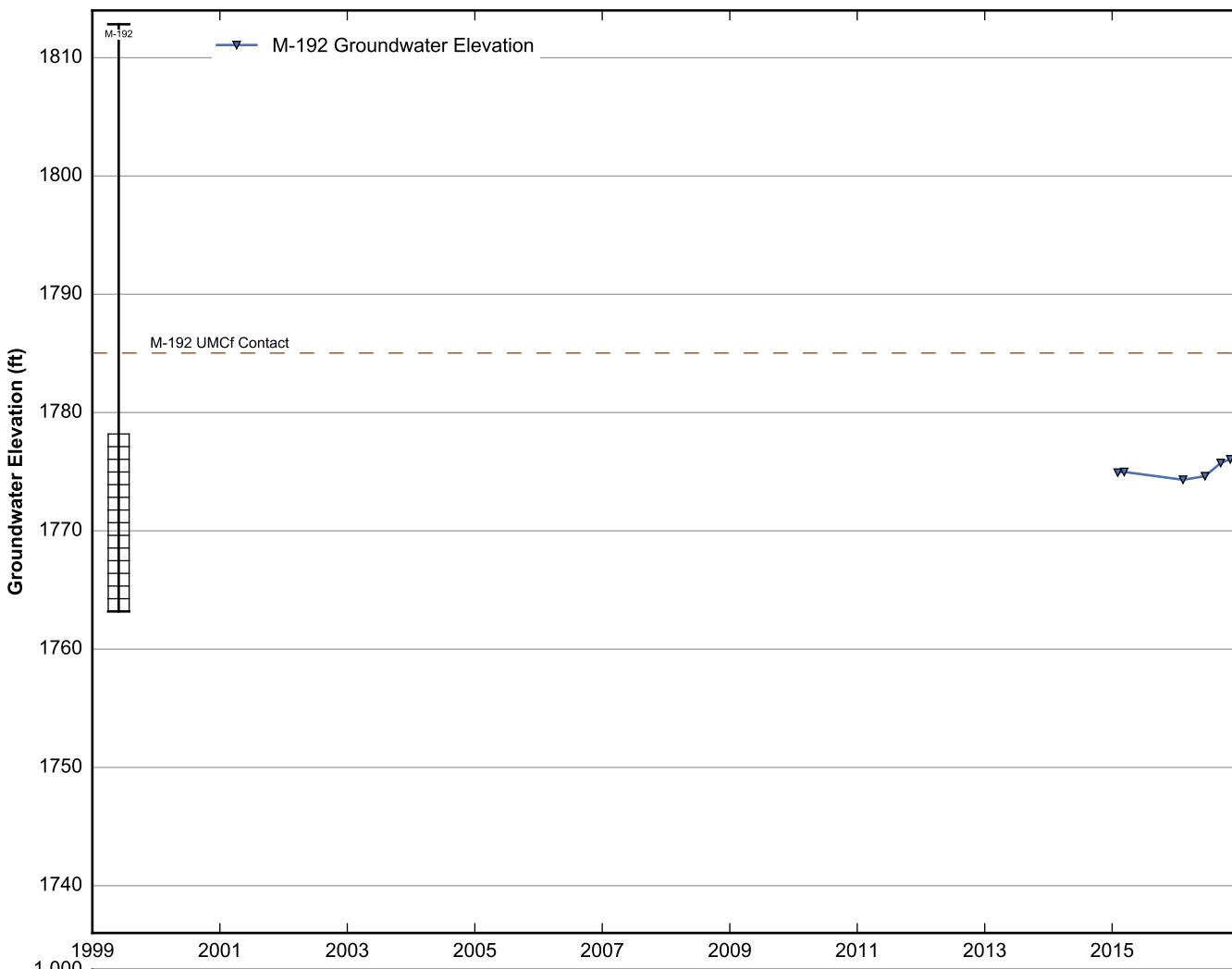


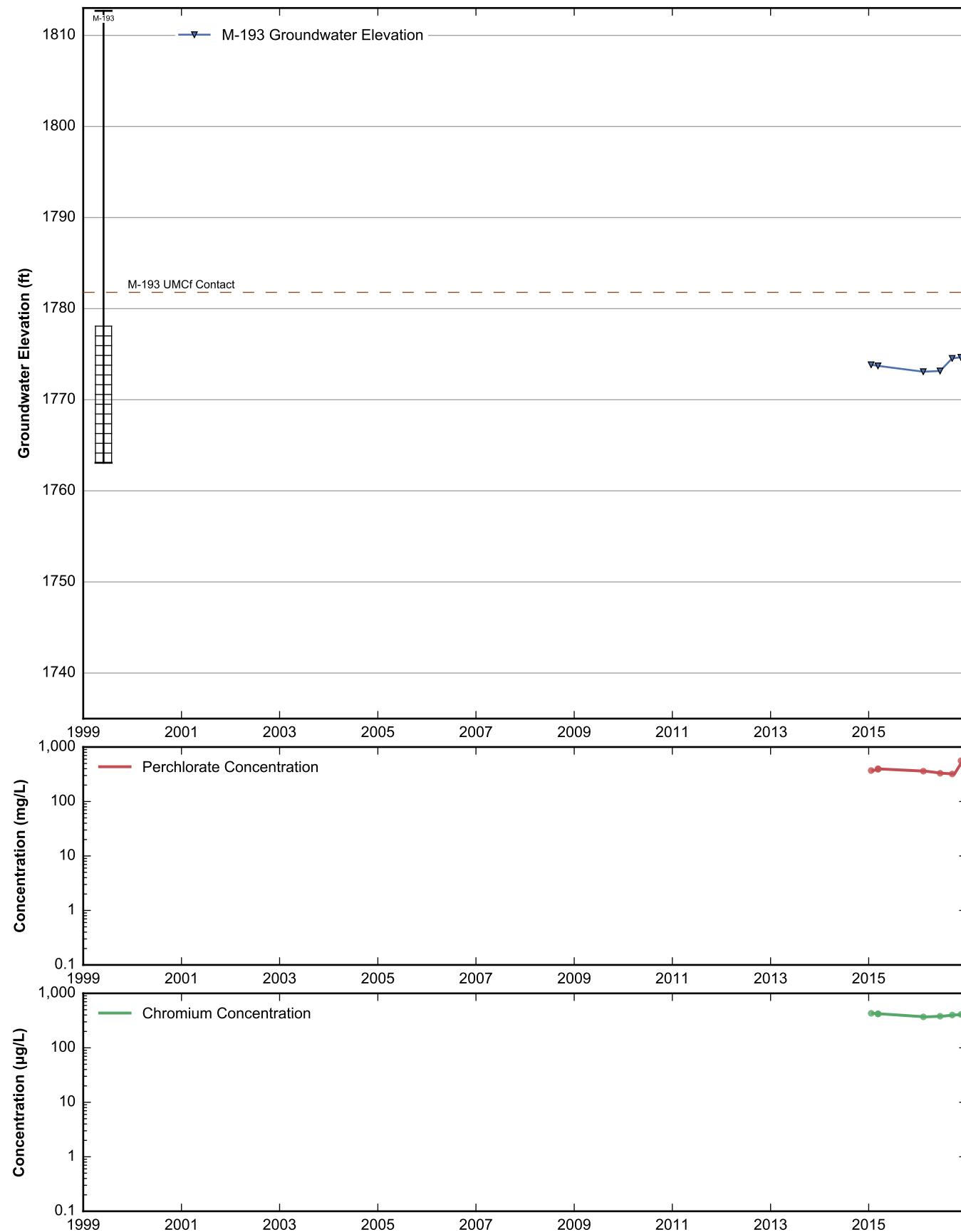




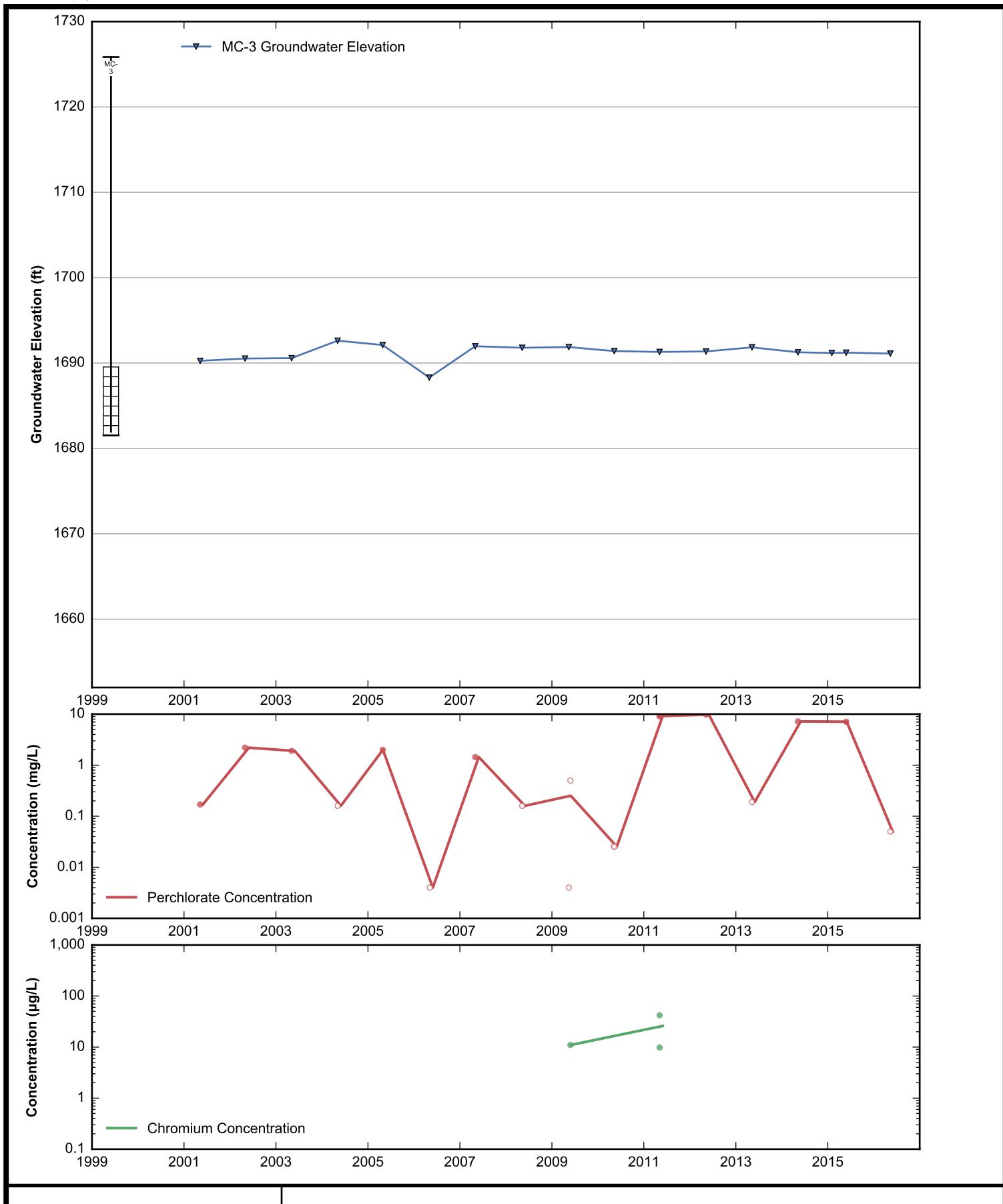


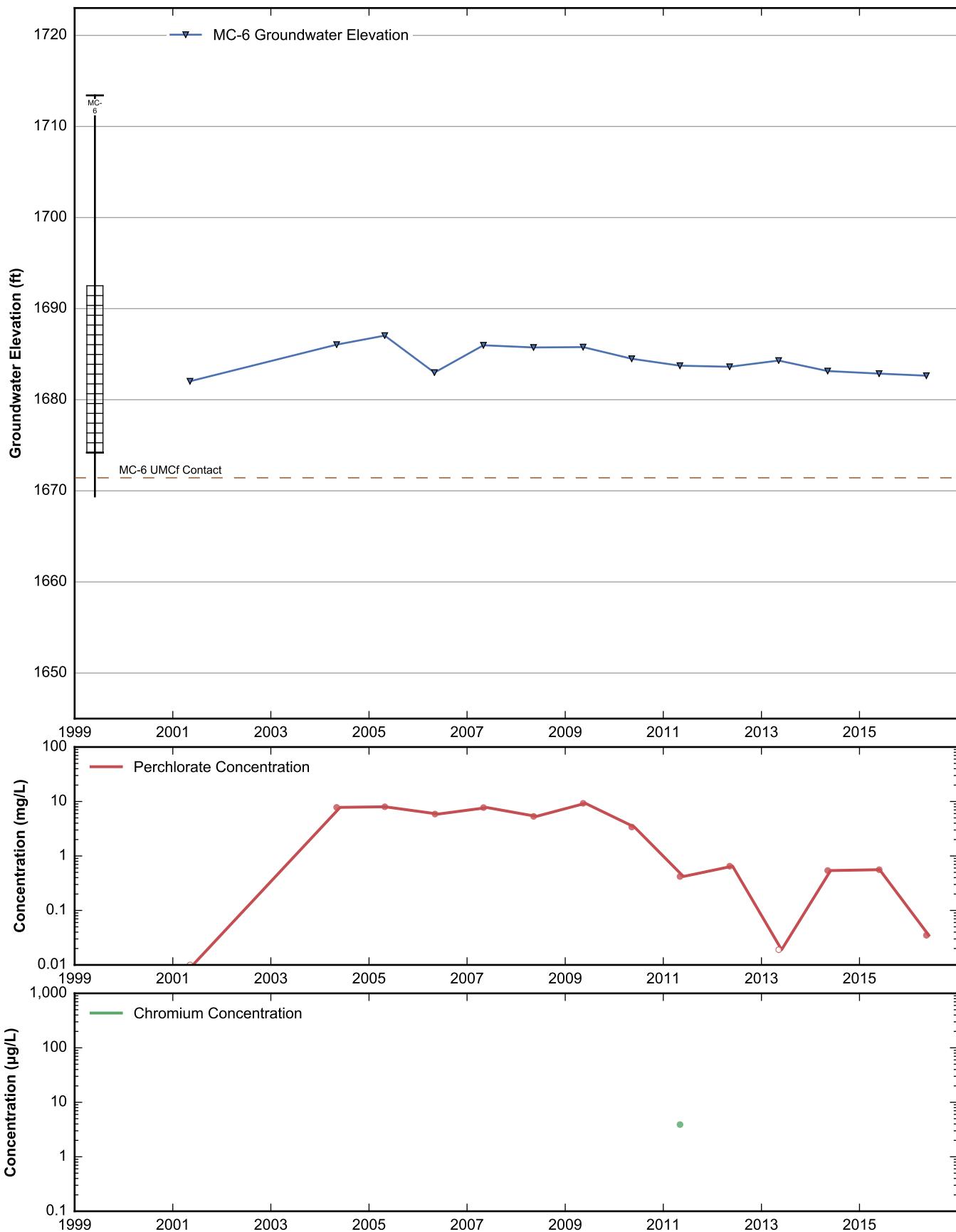


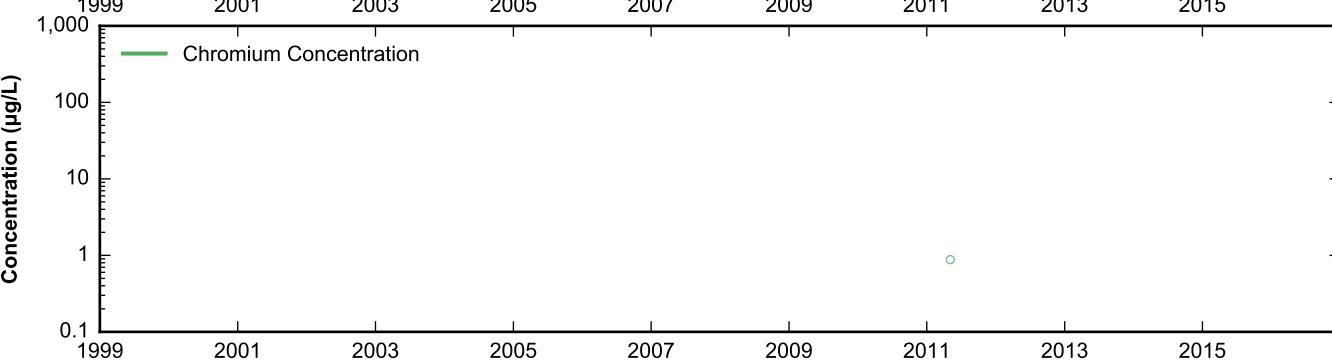
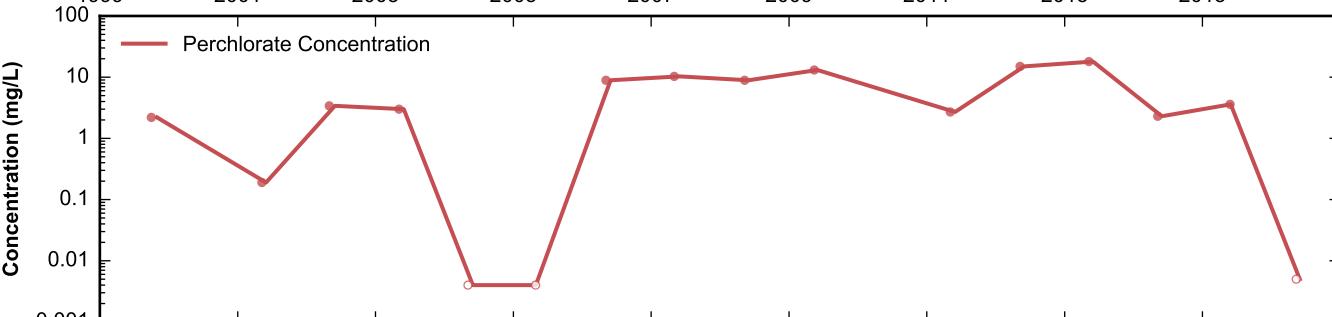
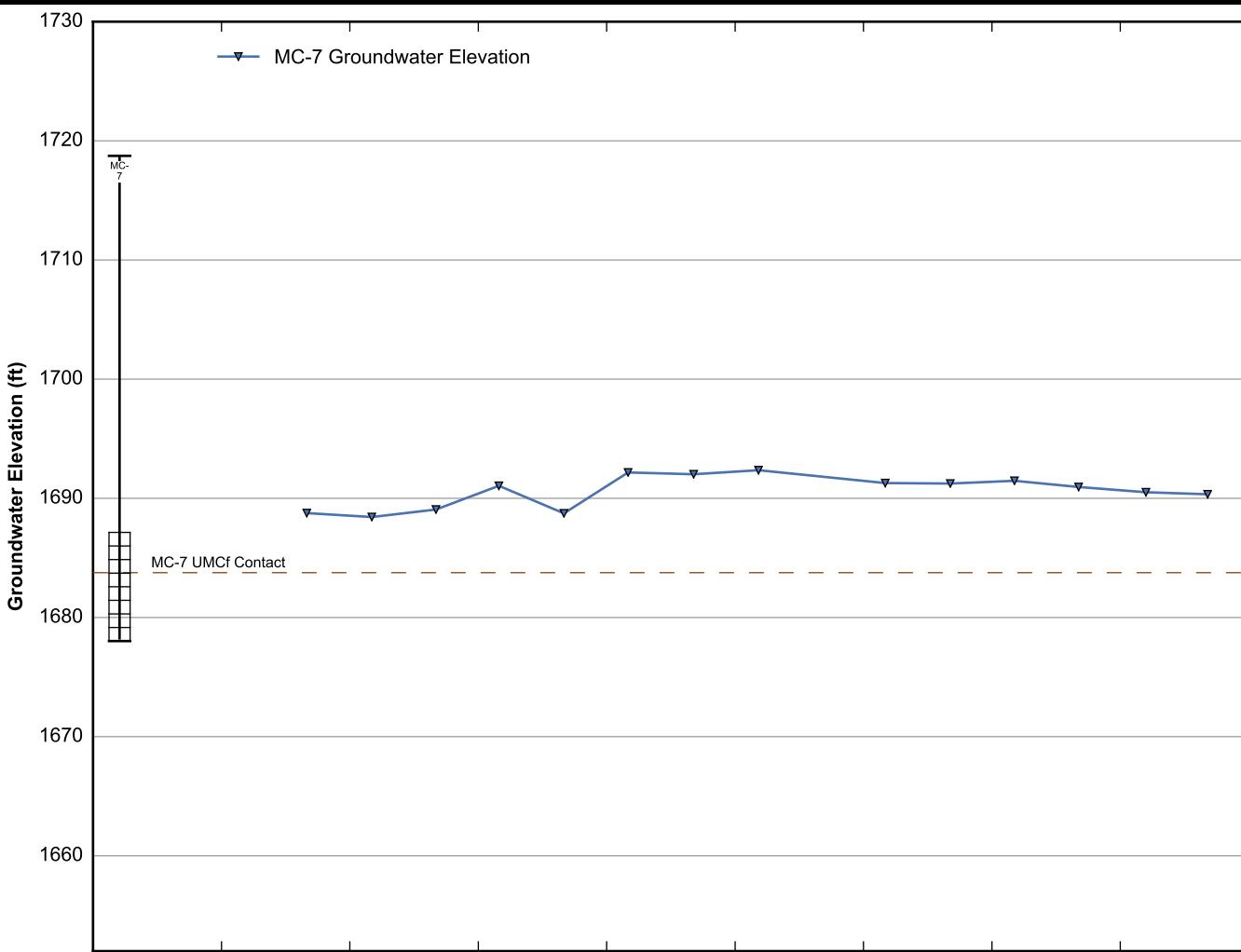


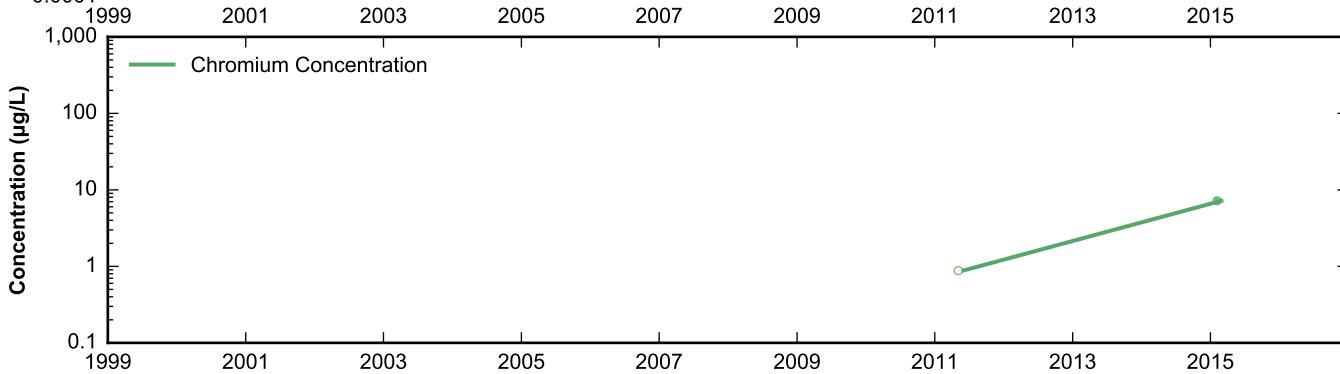
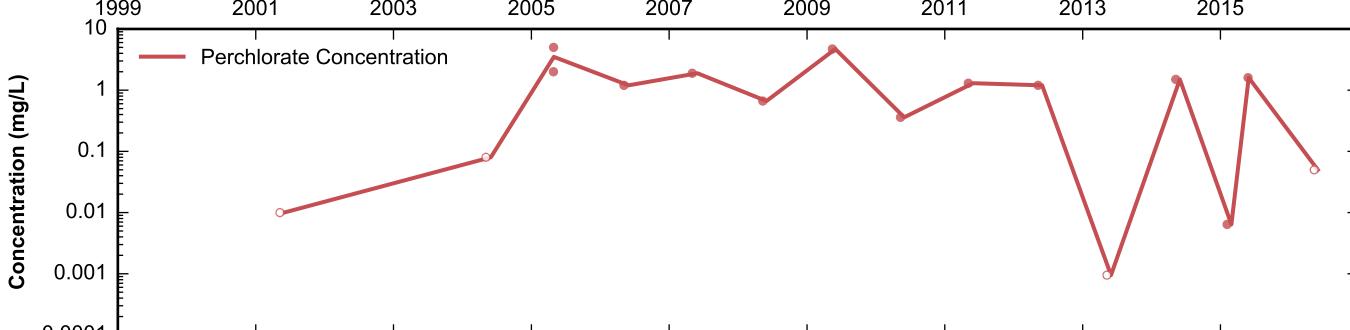
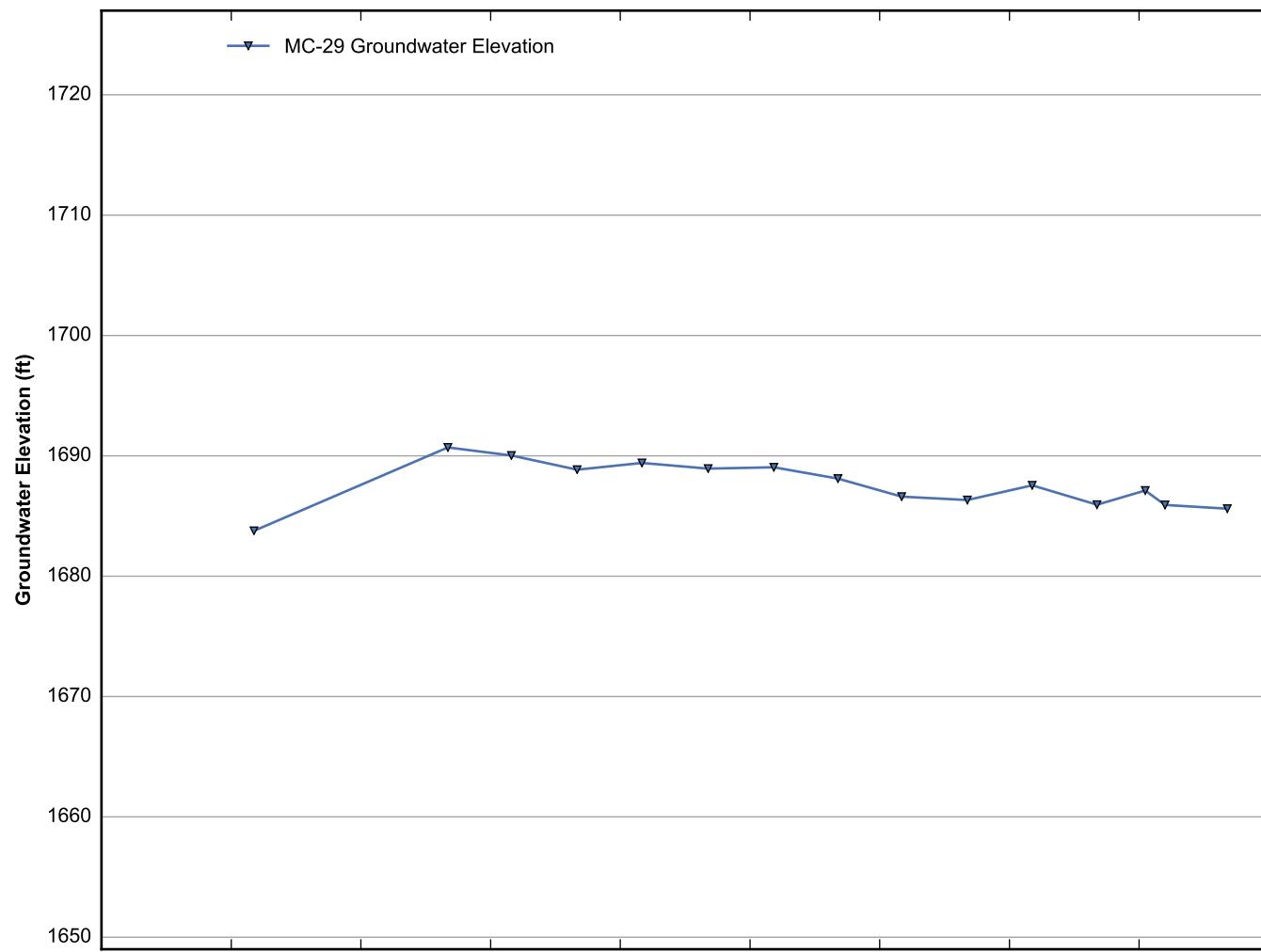
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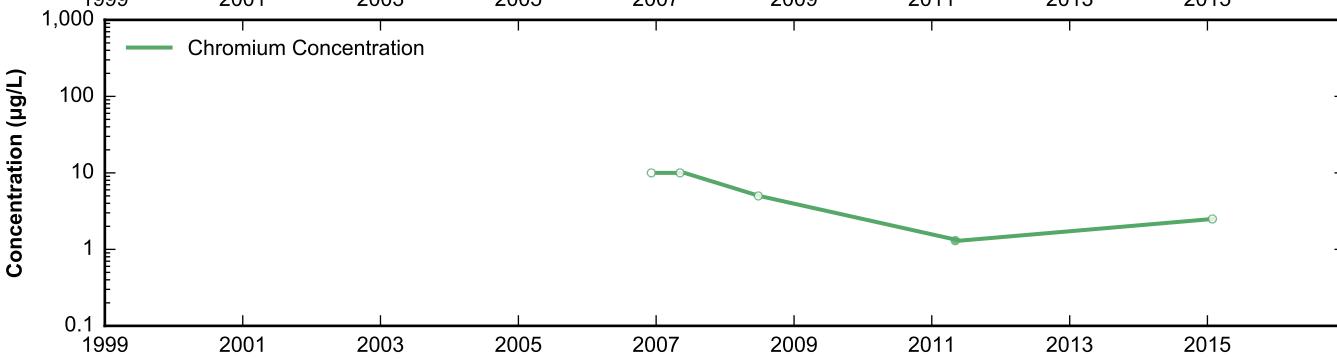
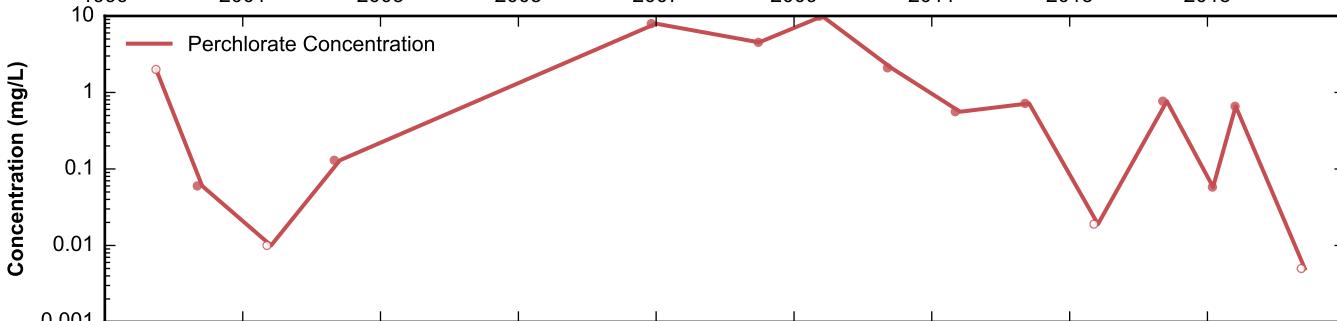
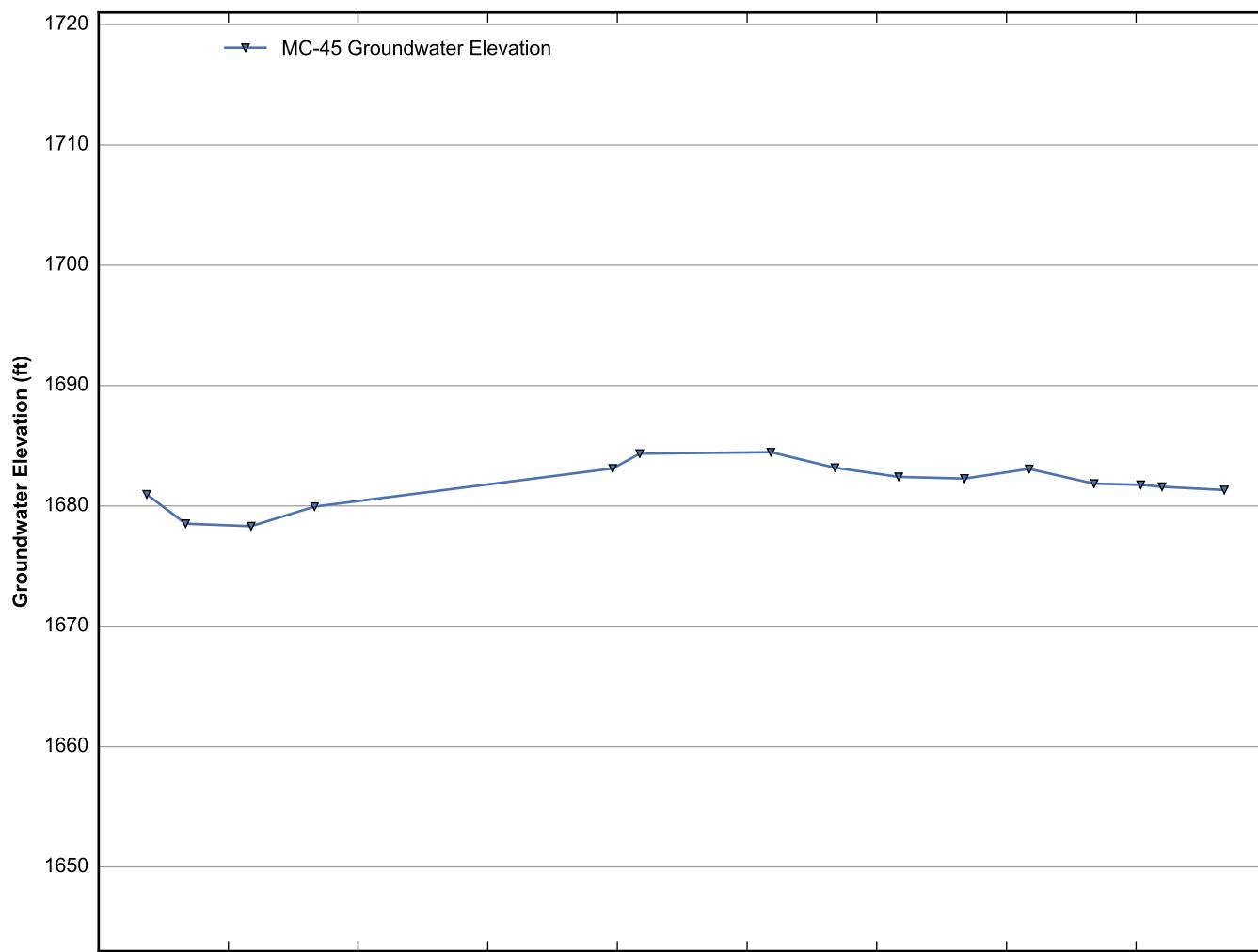
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 Nevada Environmental Response Trust Site
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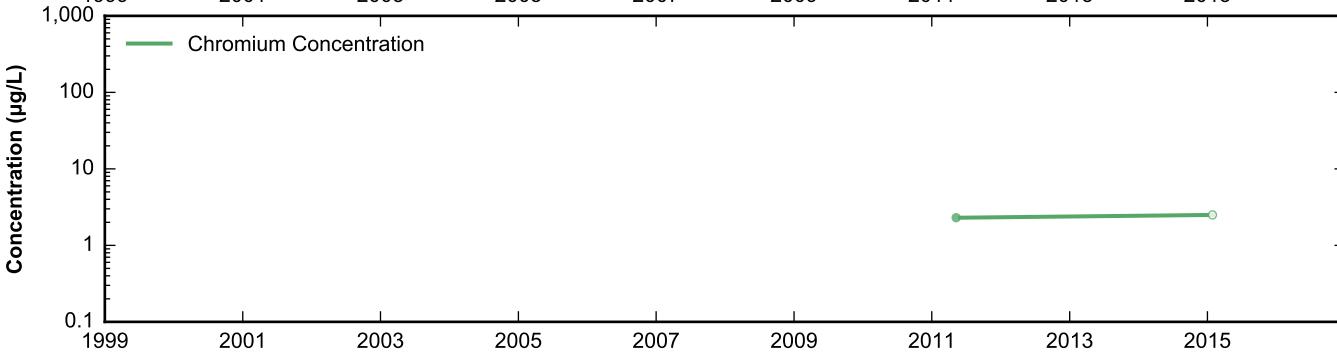
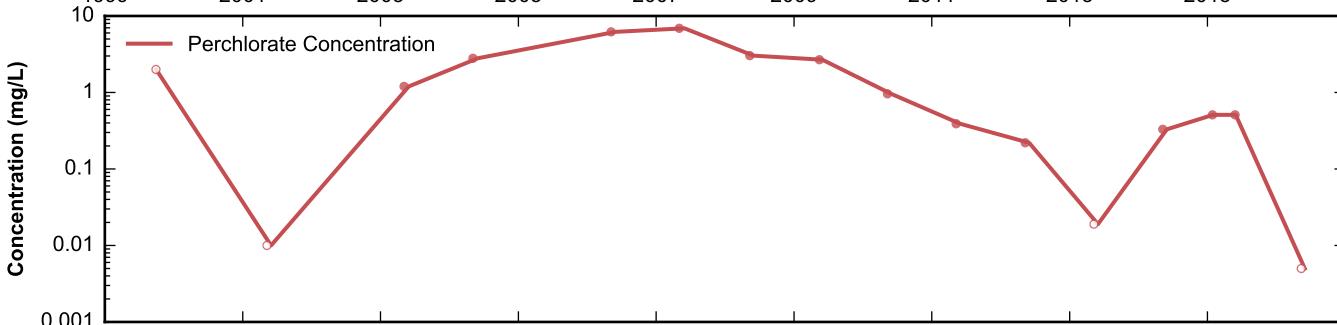
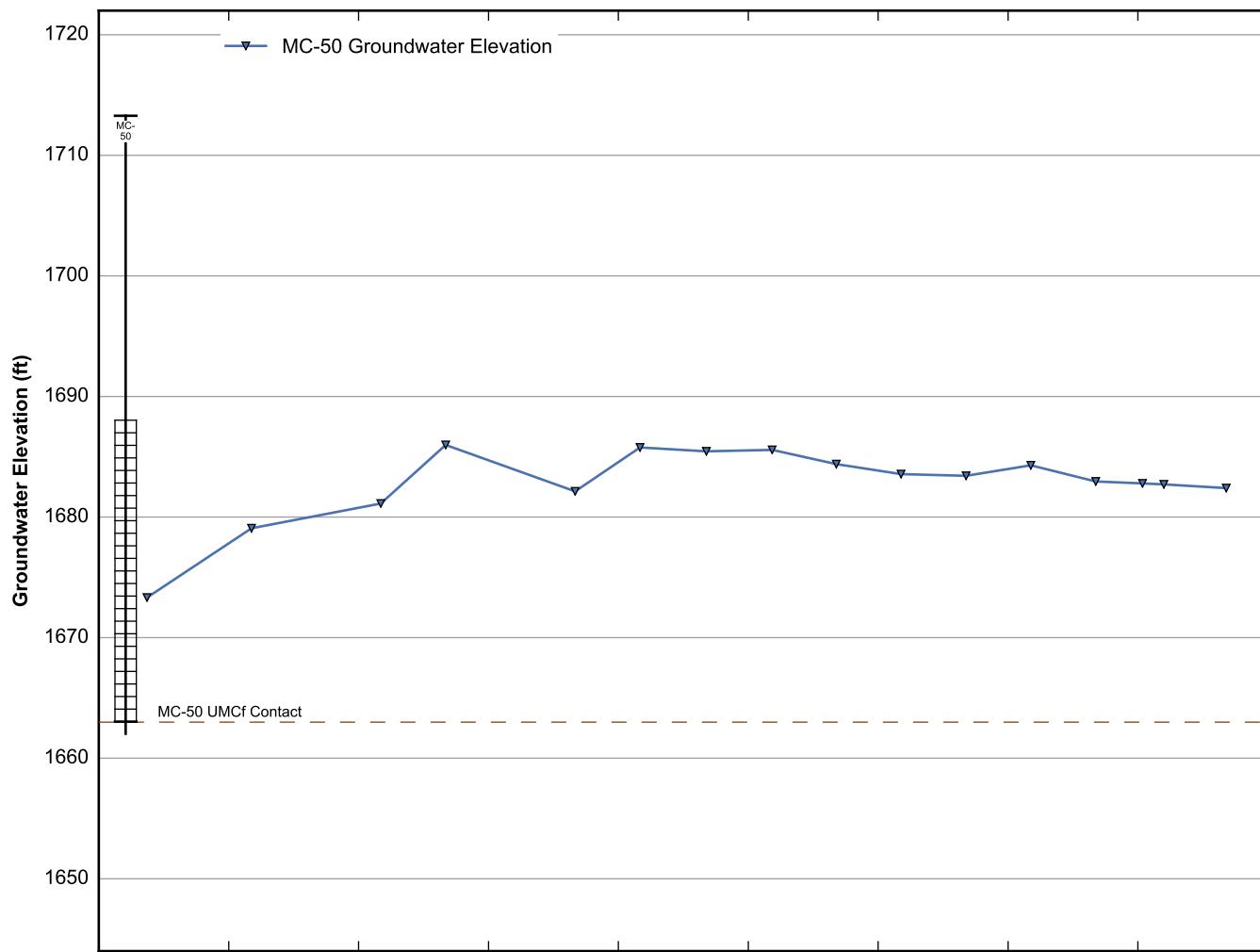


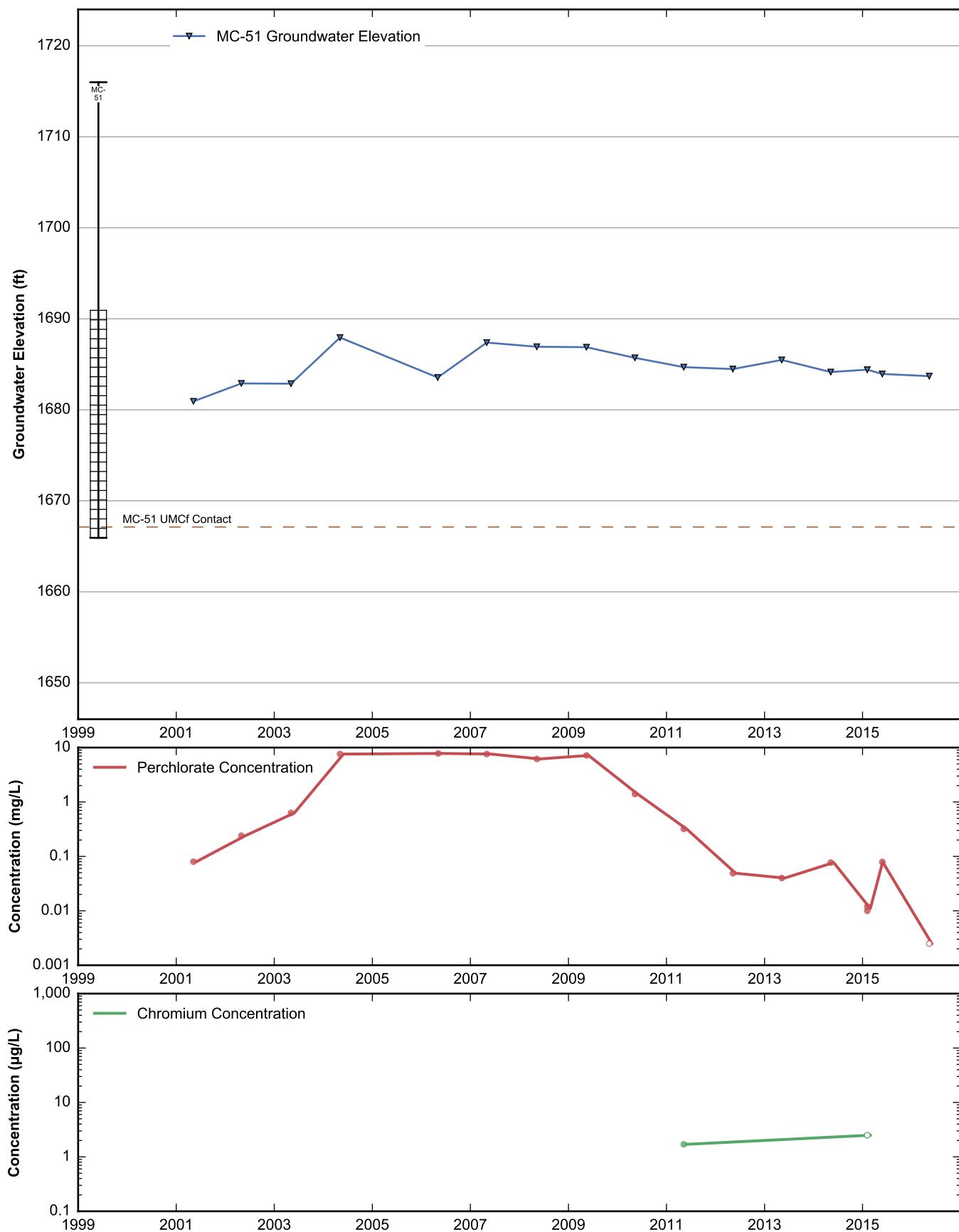


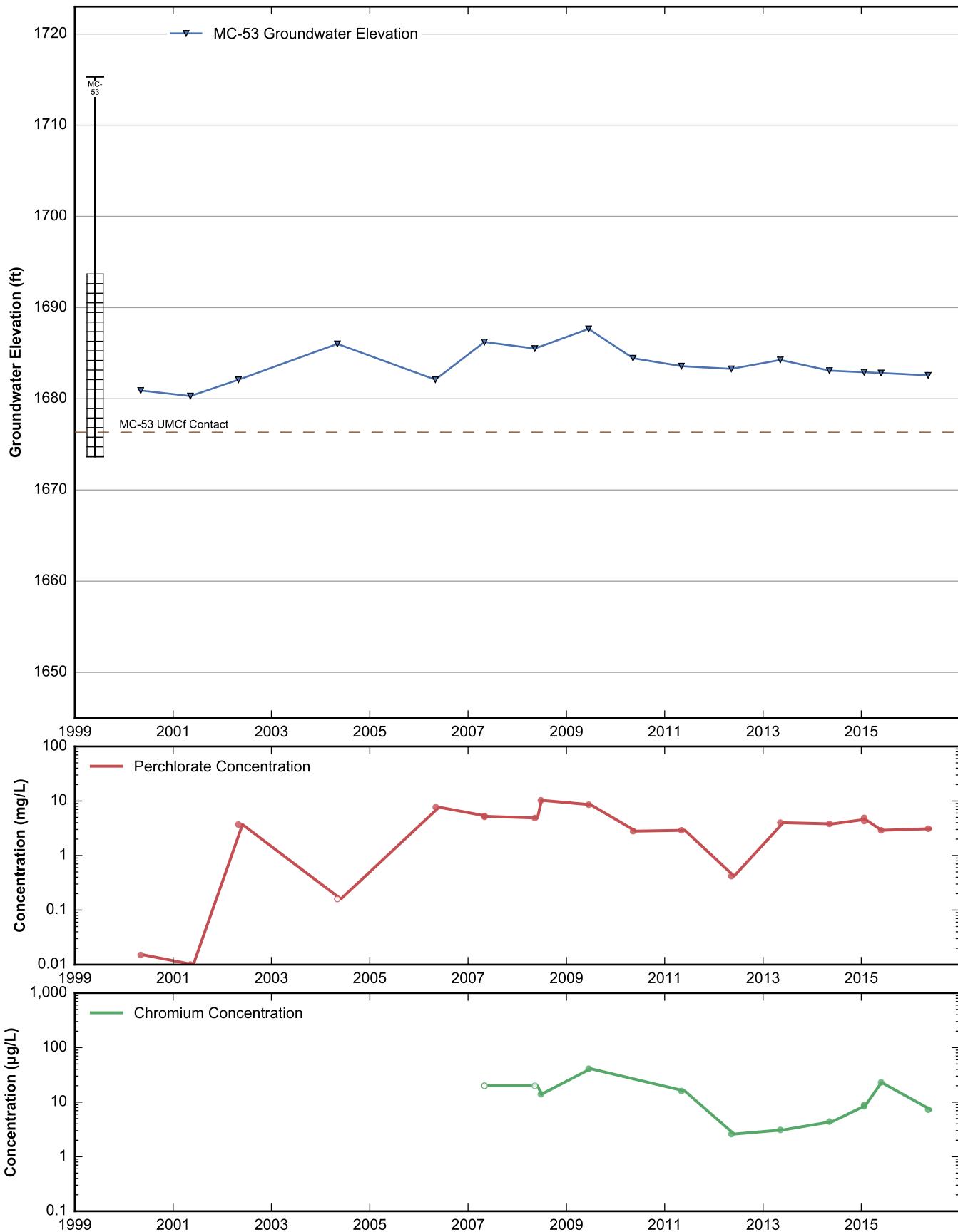


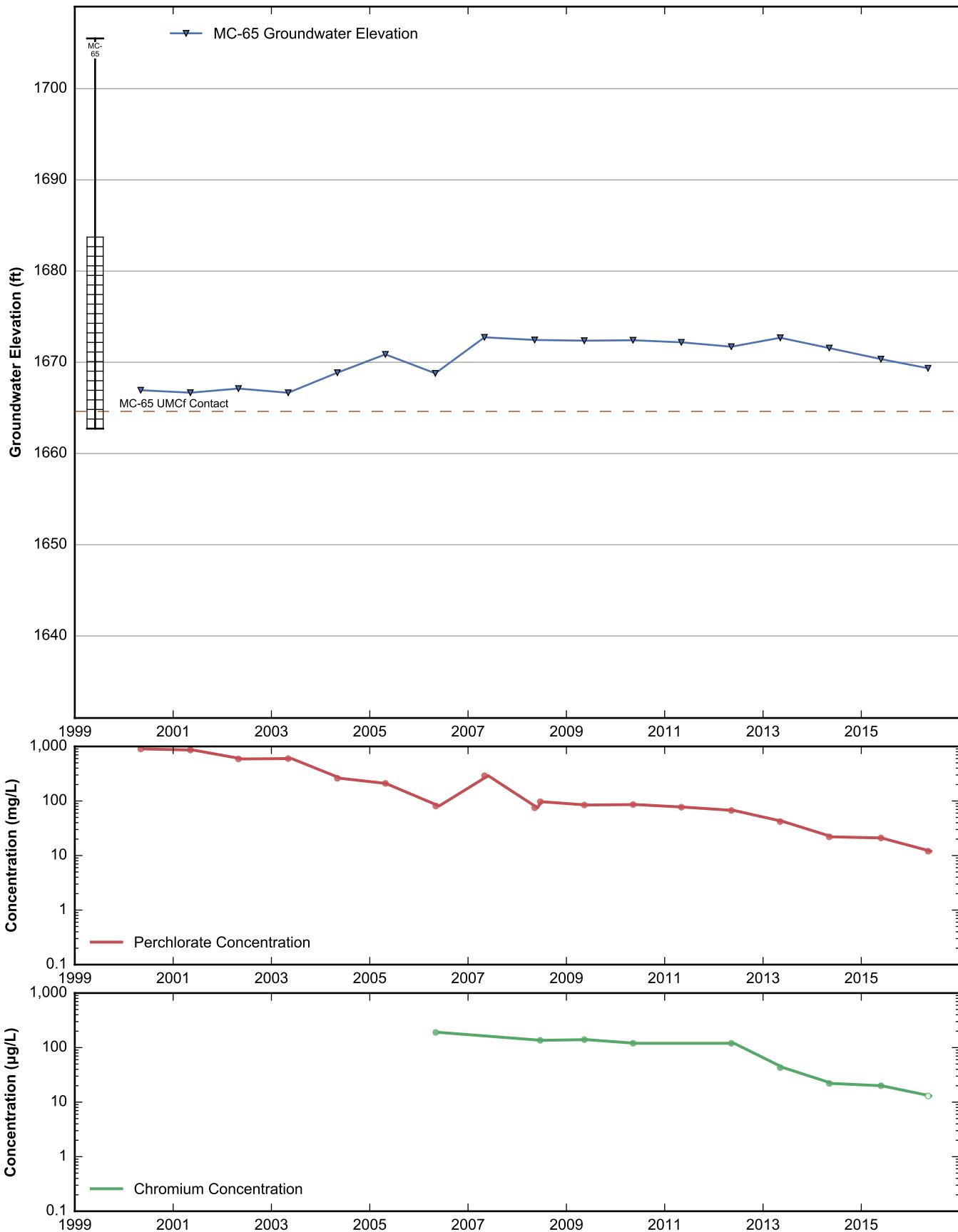


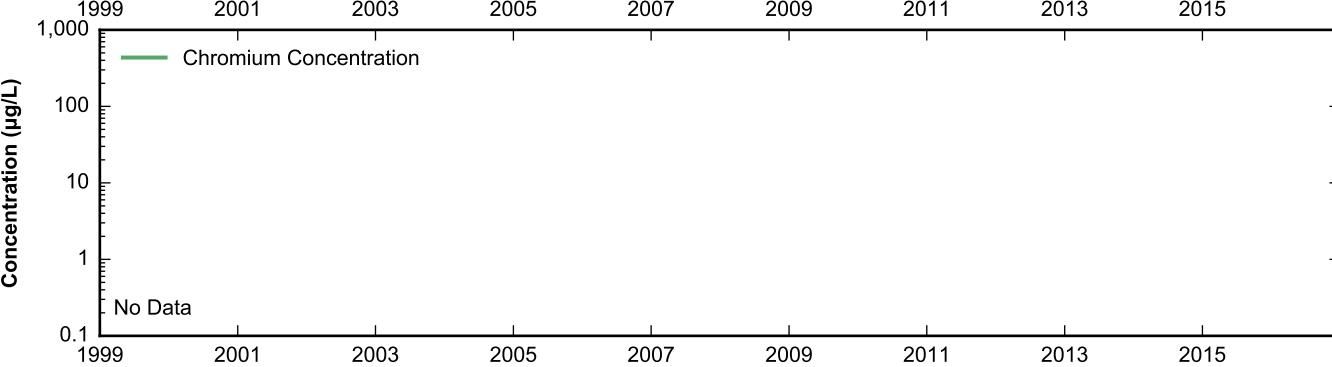
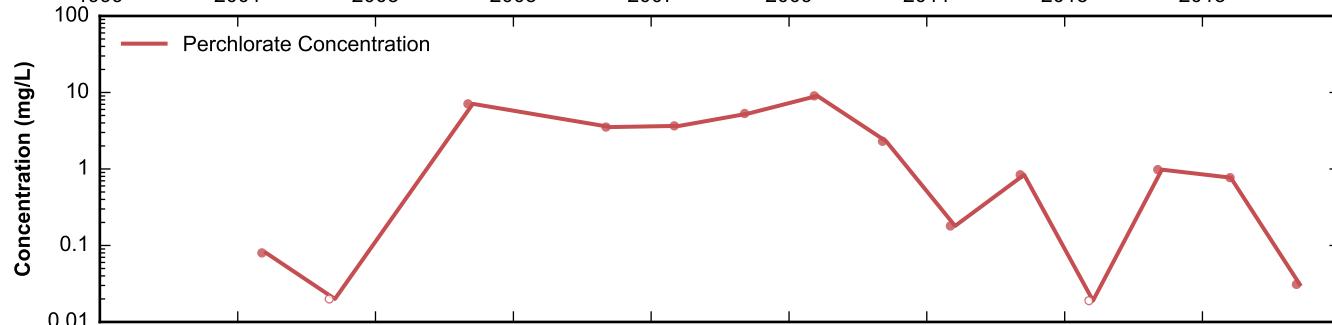
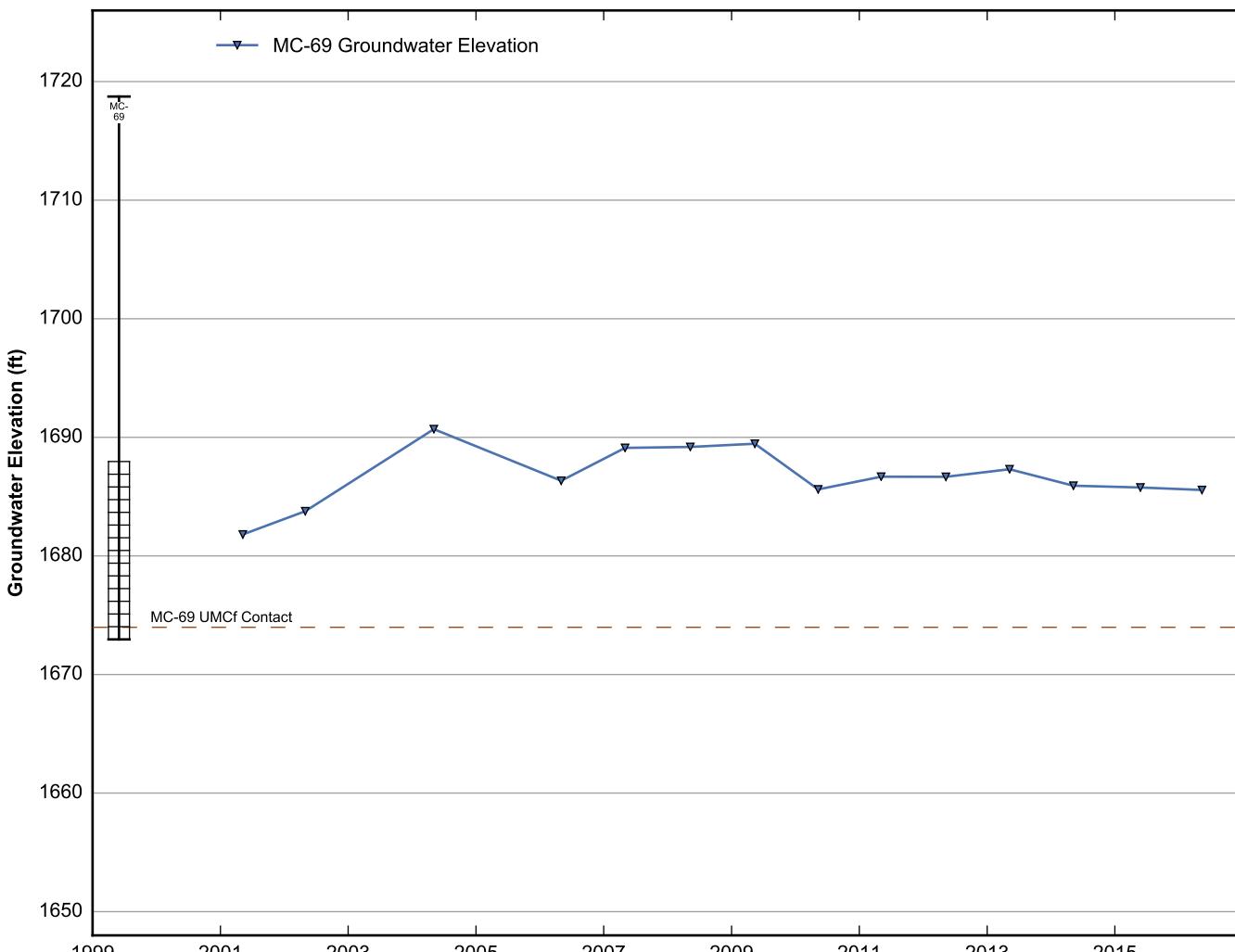


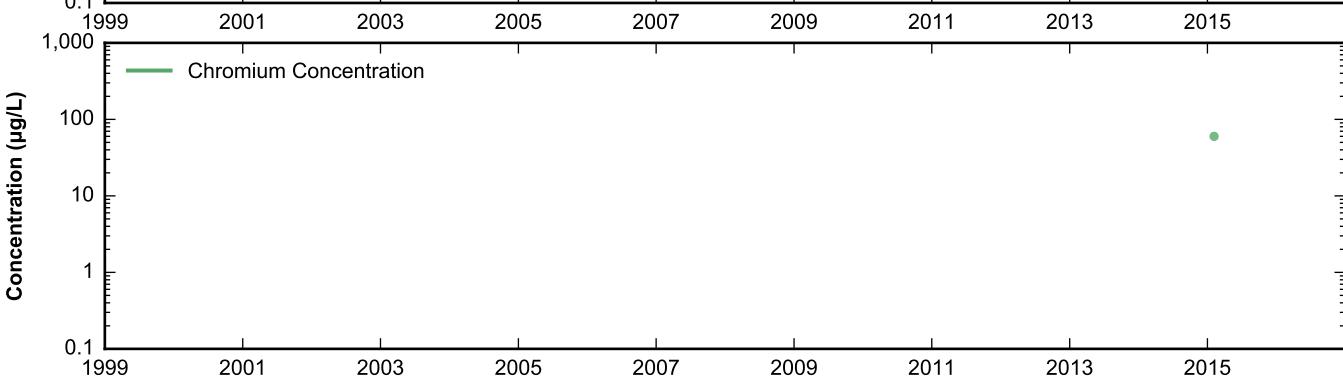
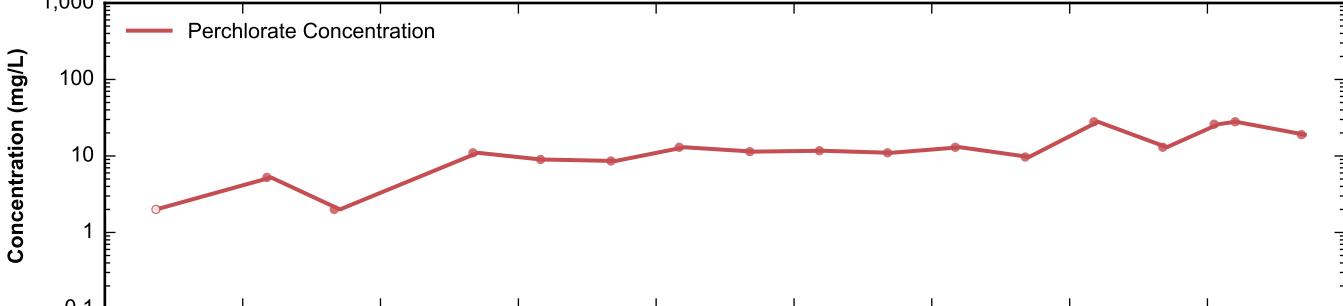
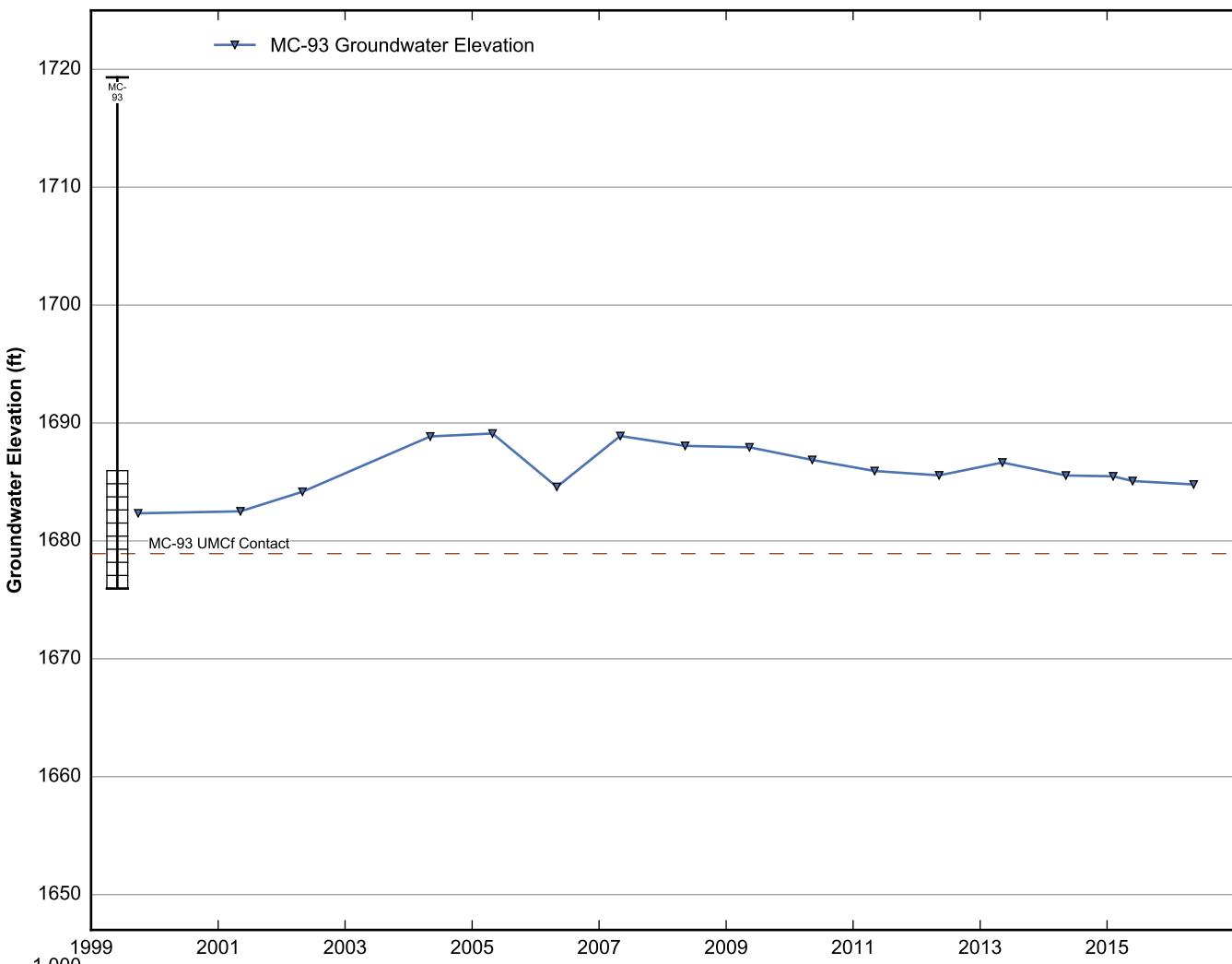


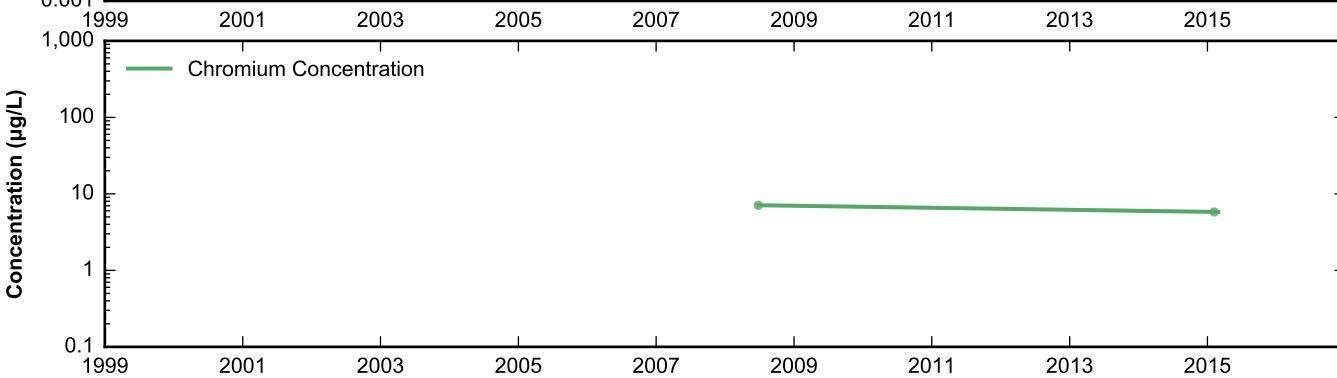
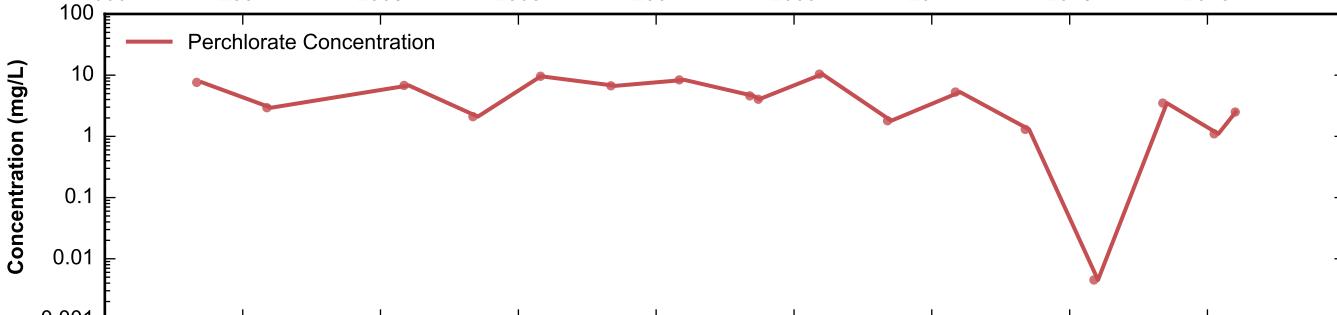
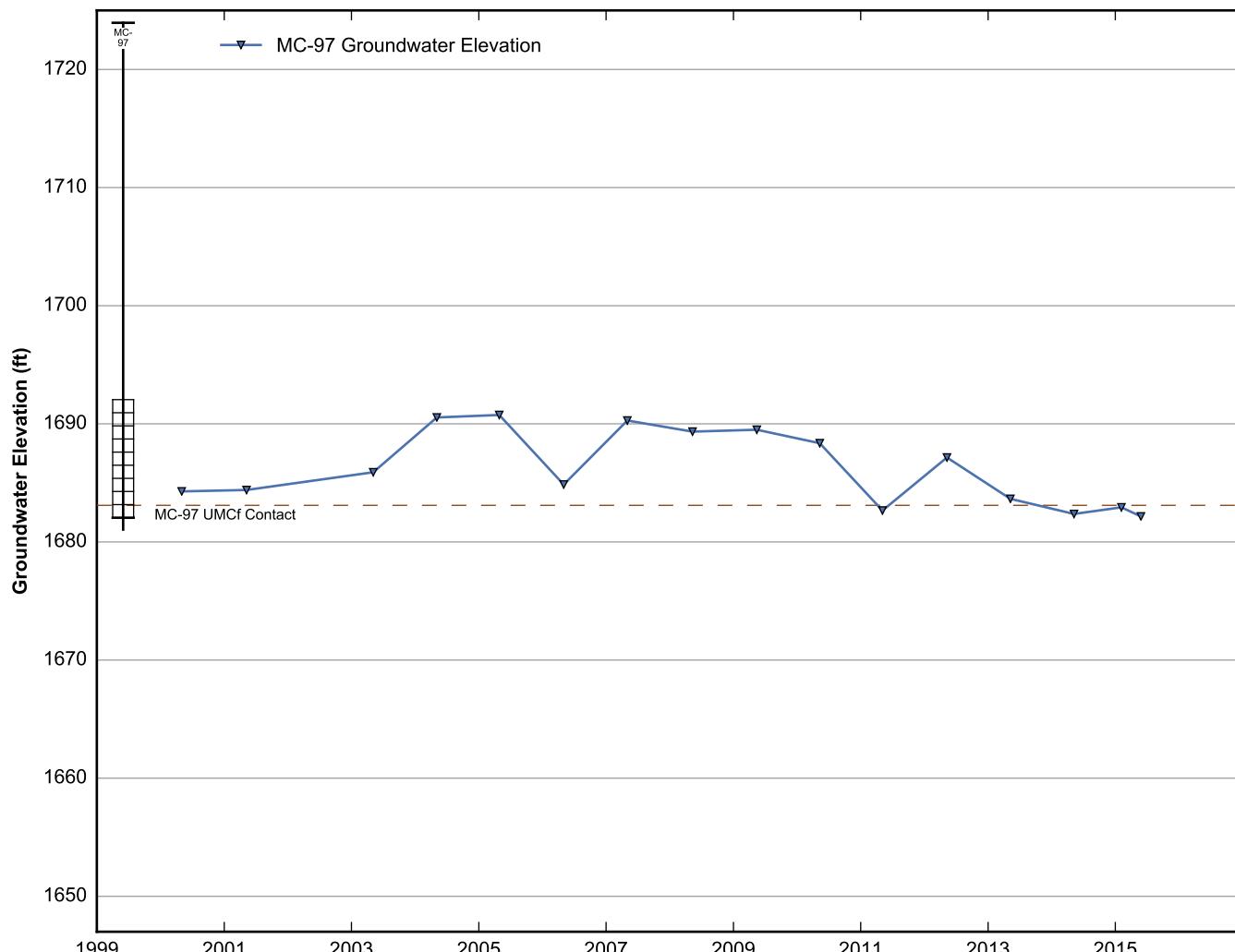


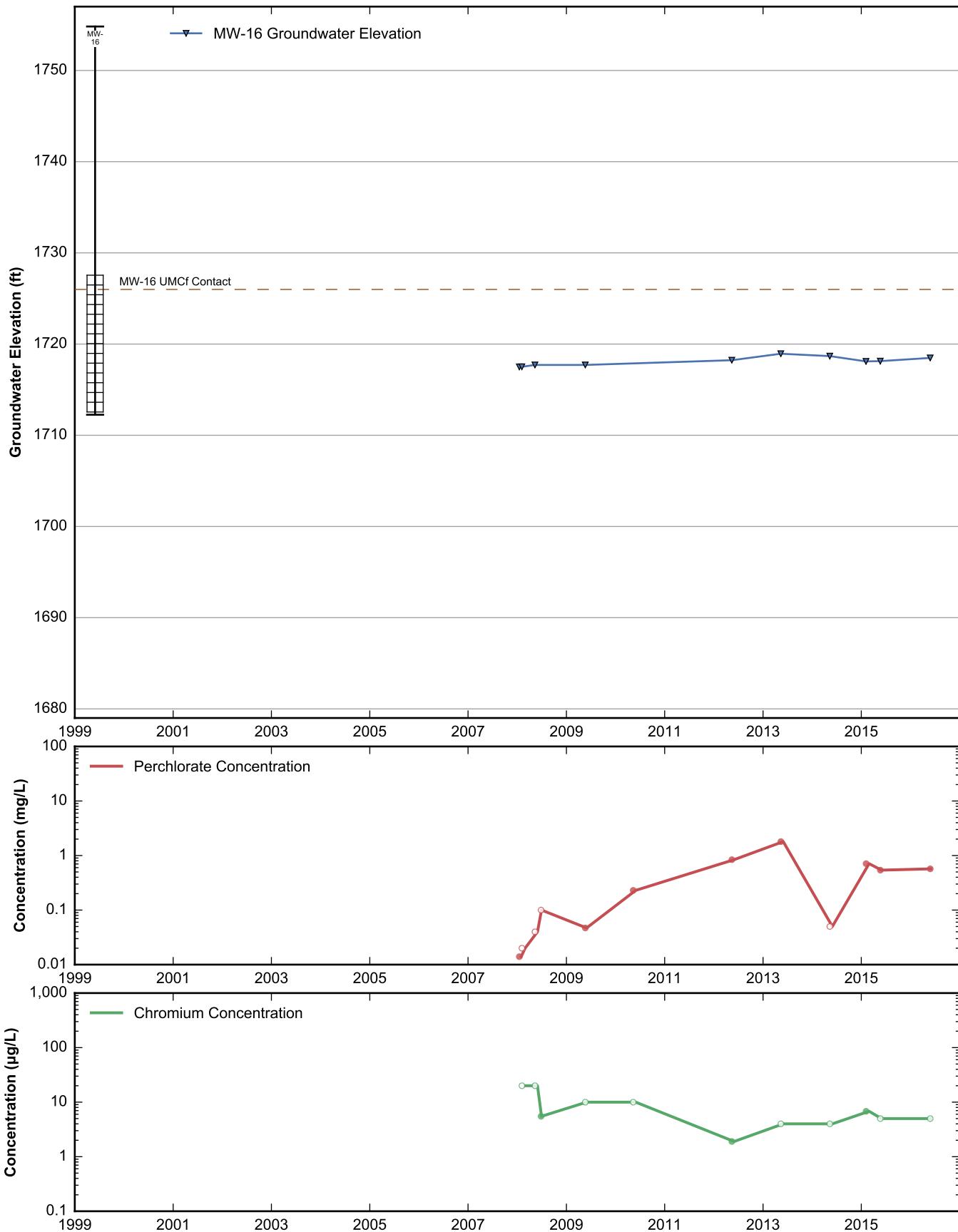


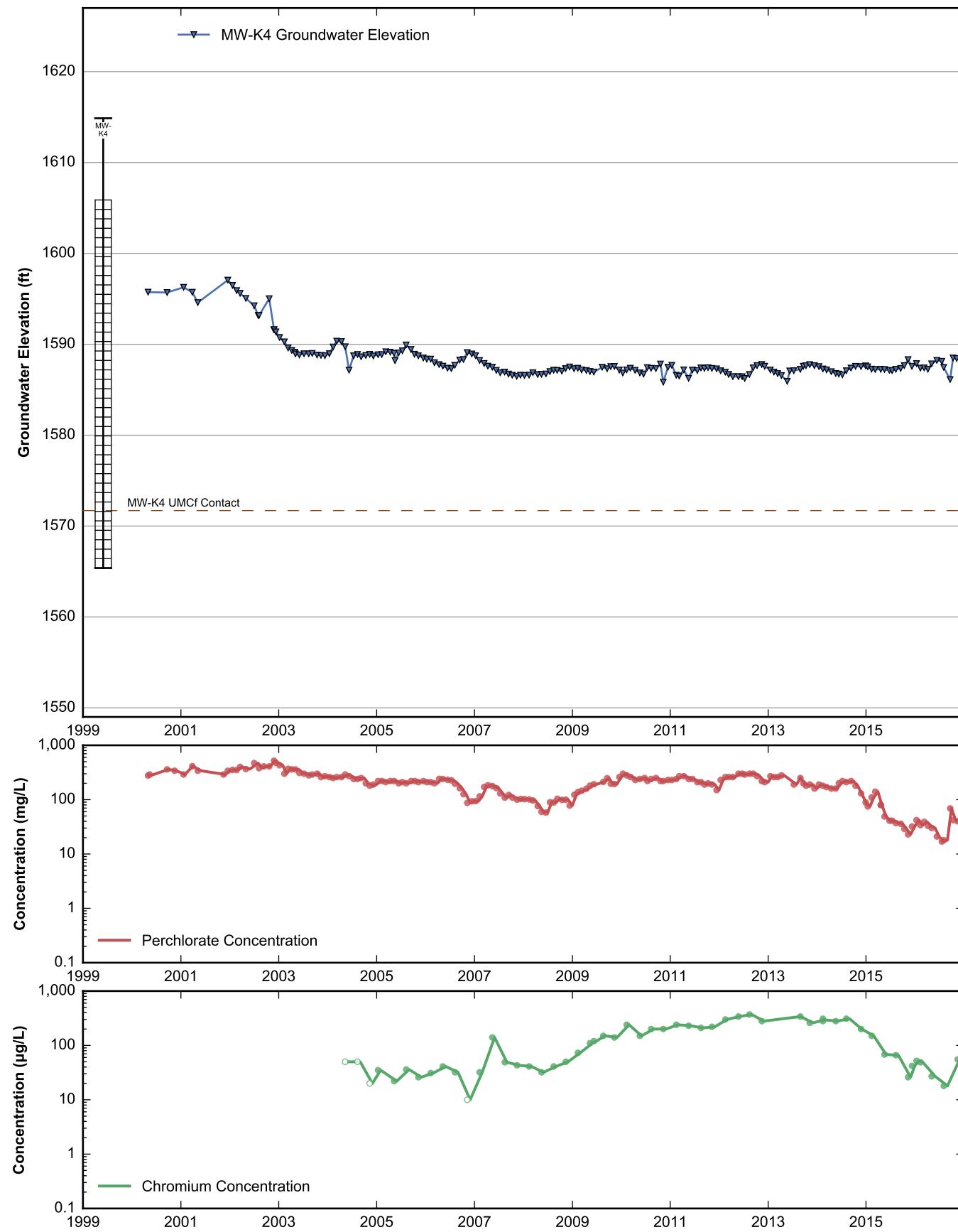


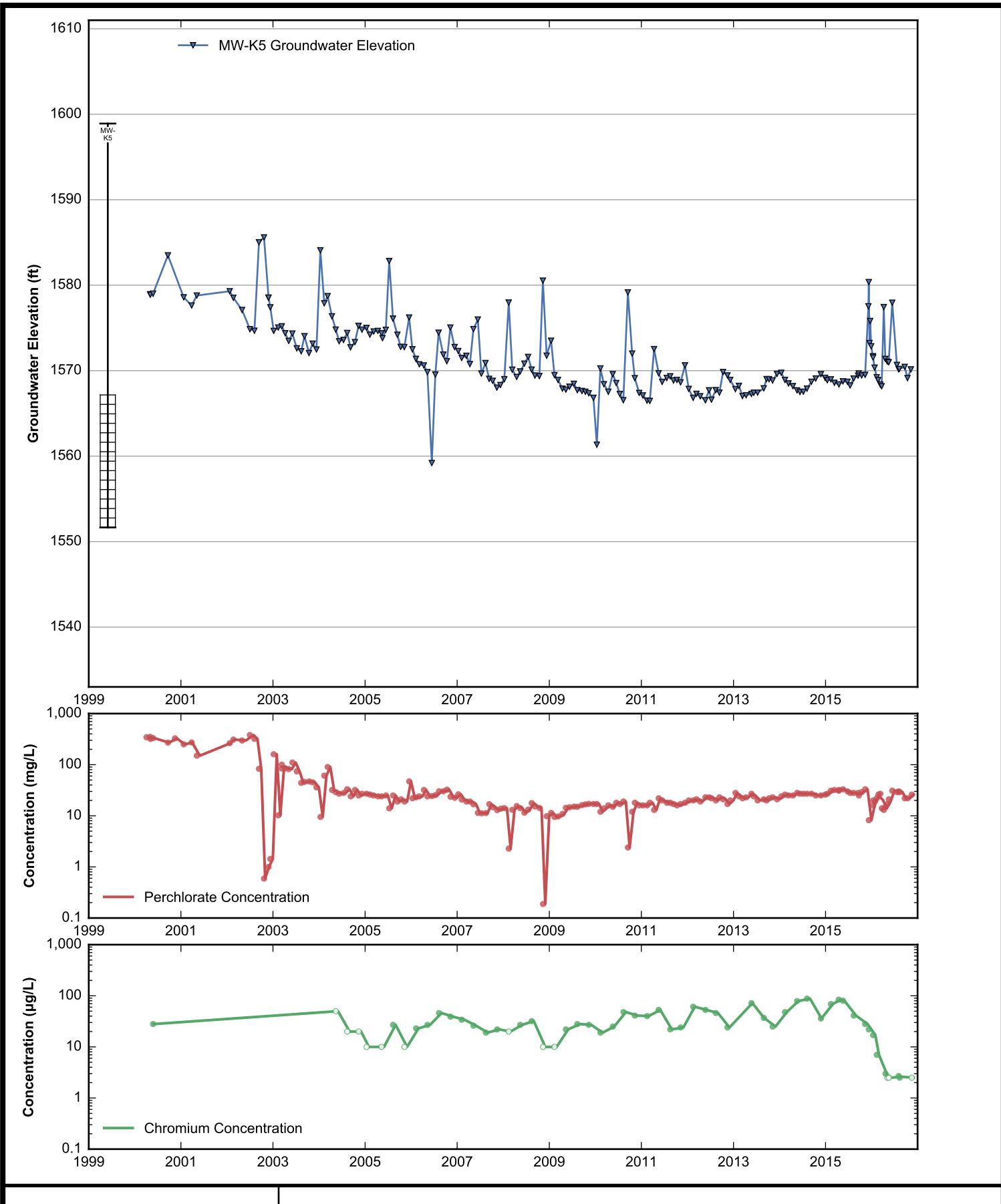


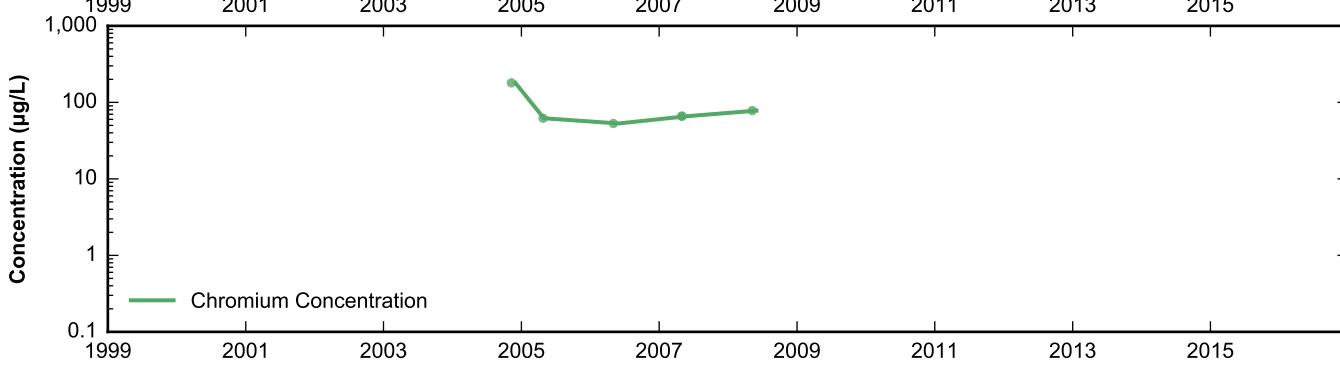
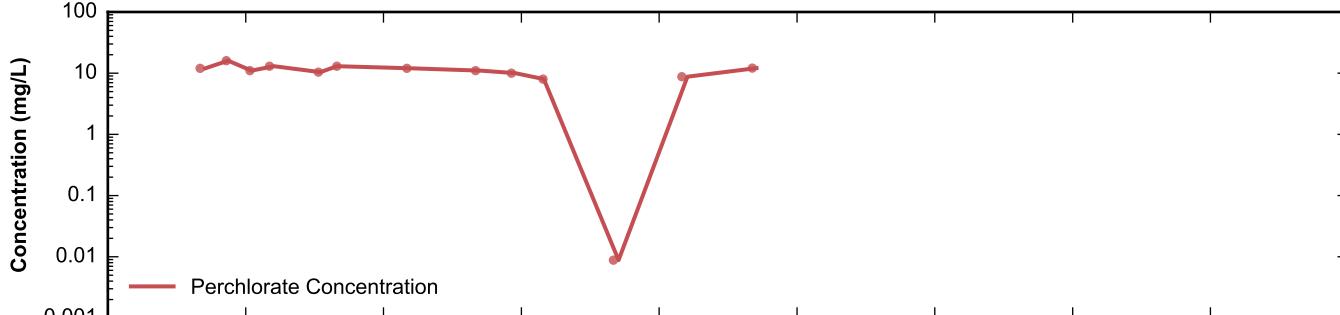
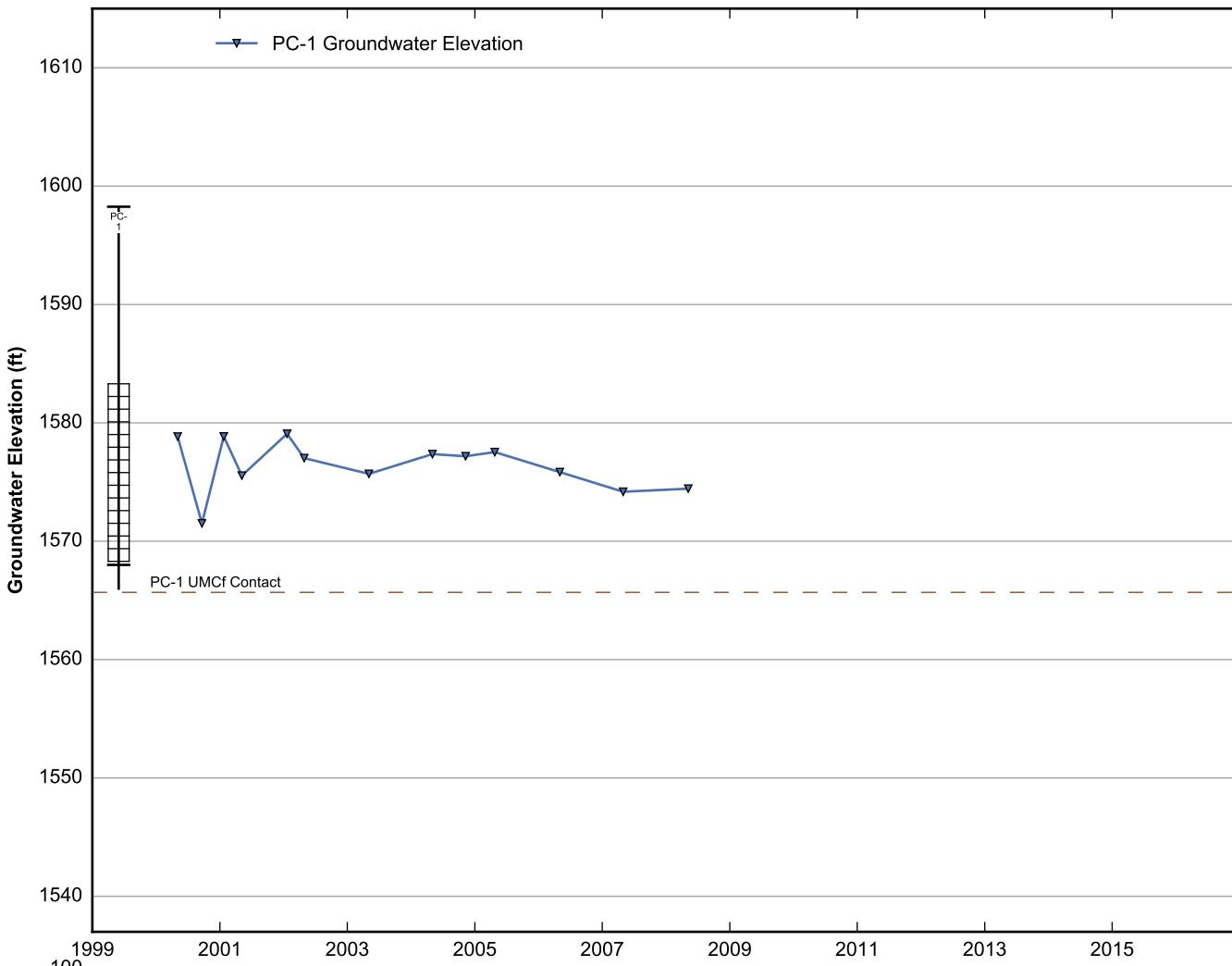


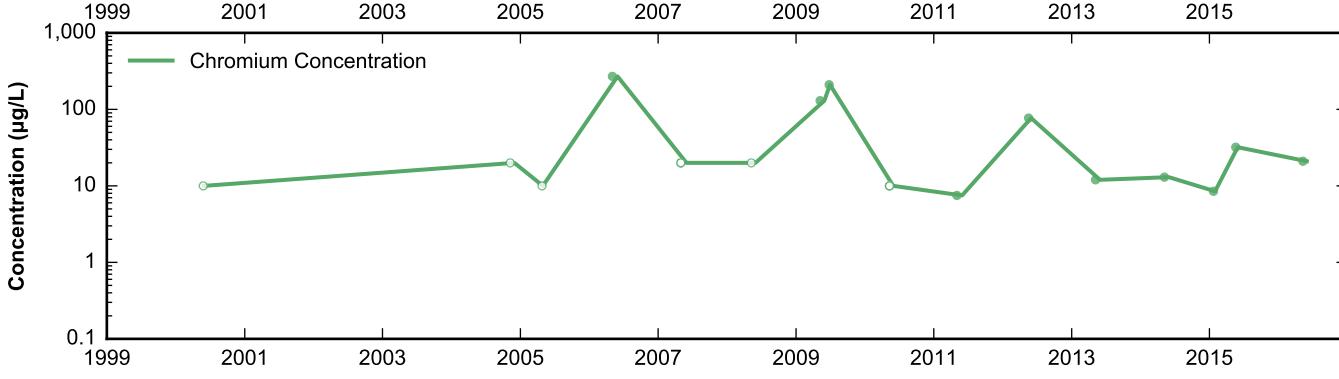
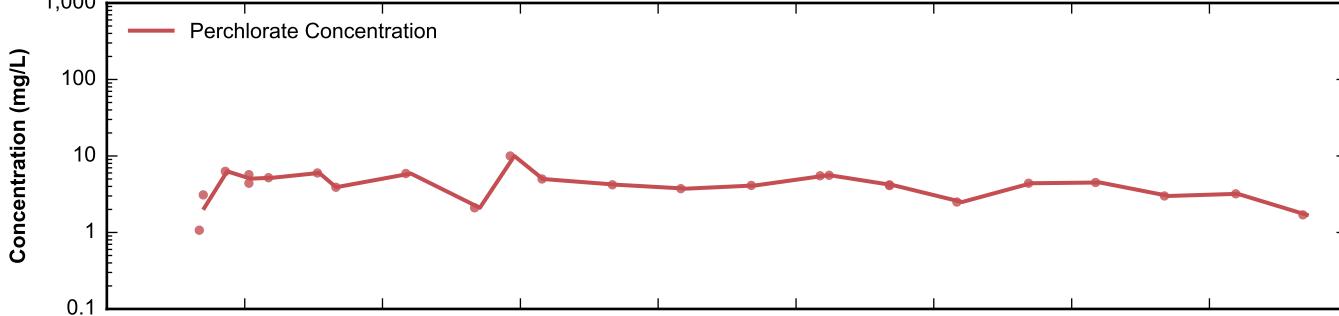
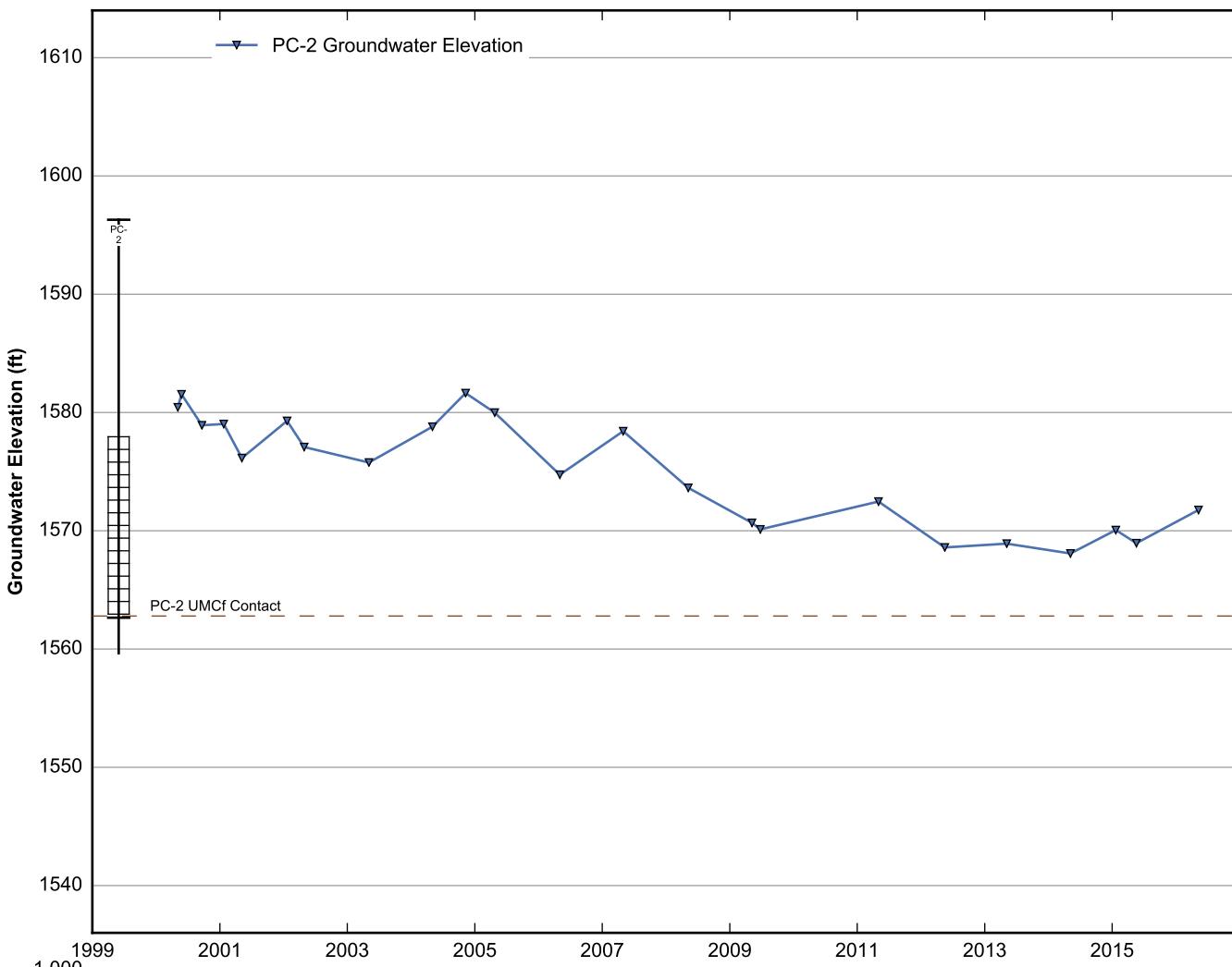


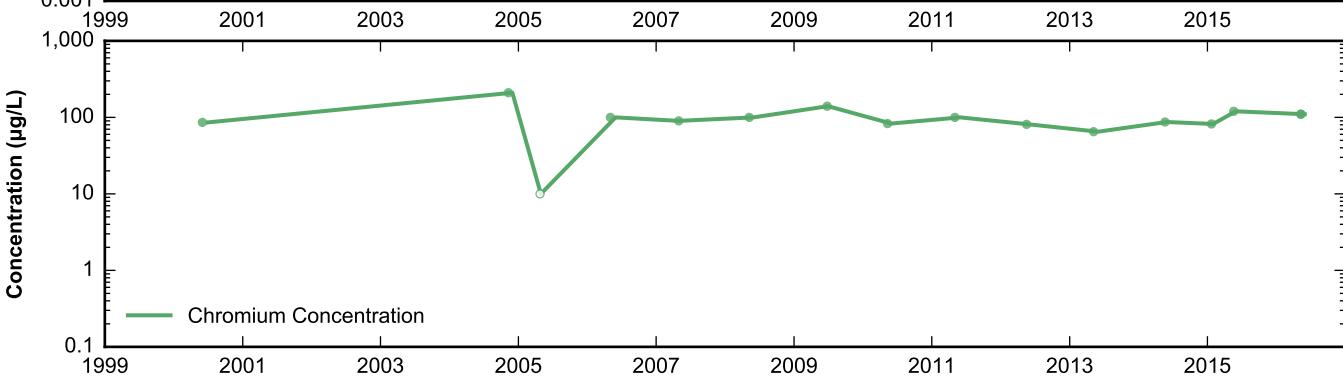
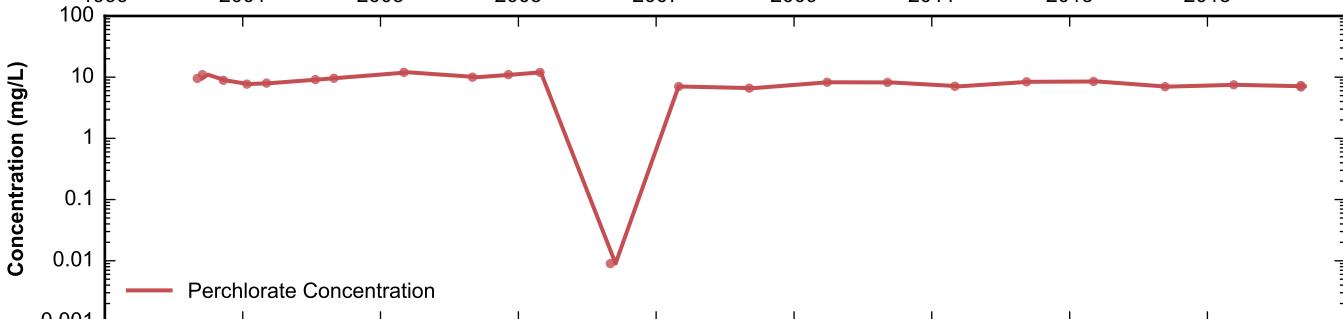
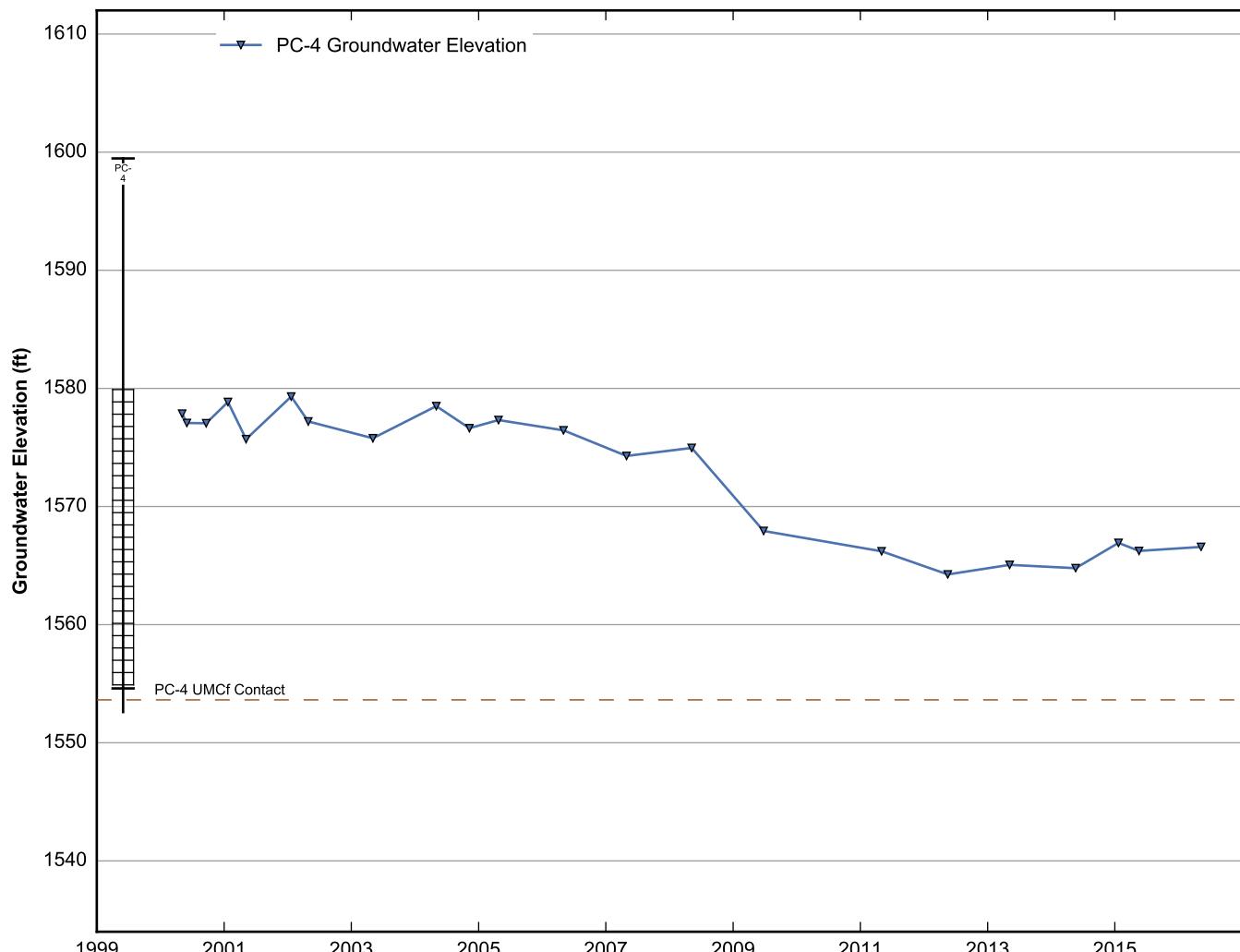


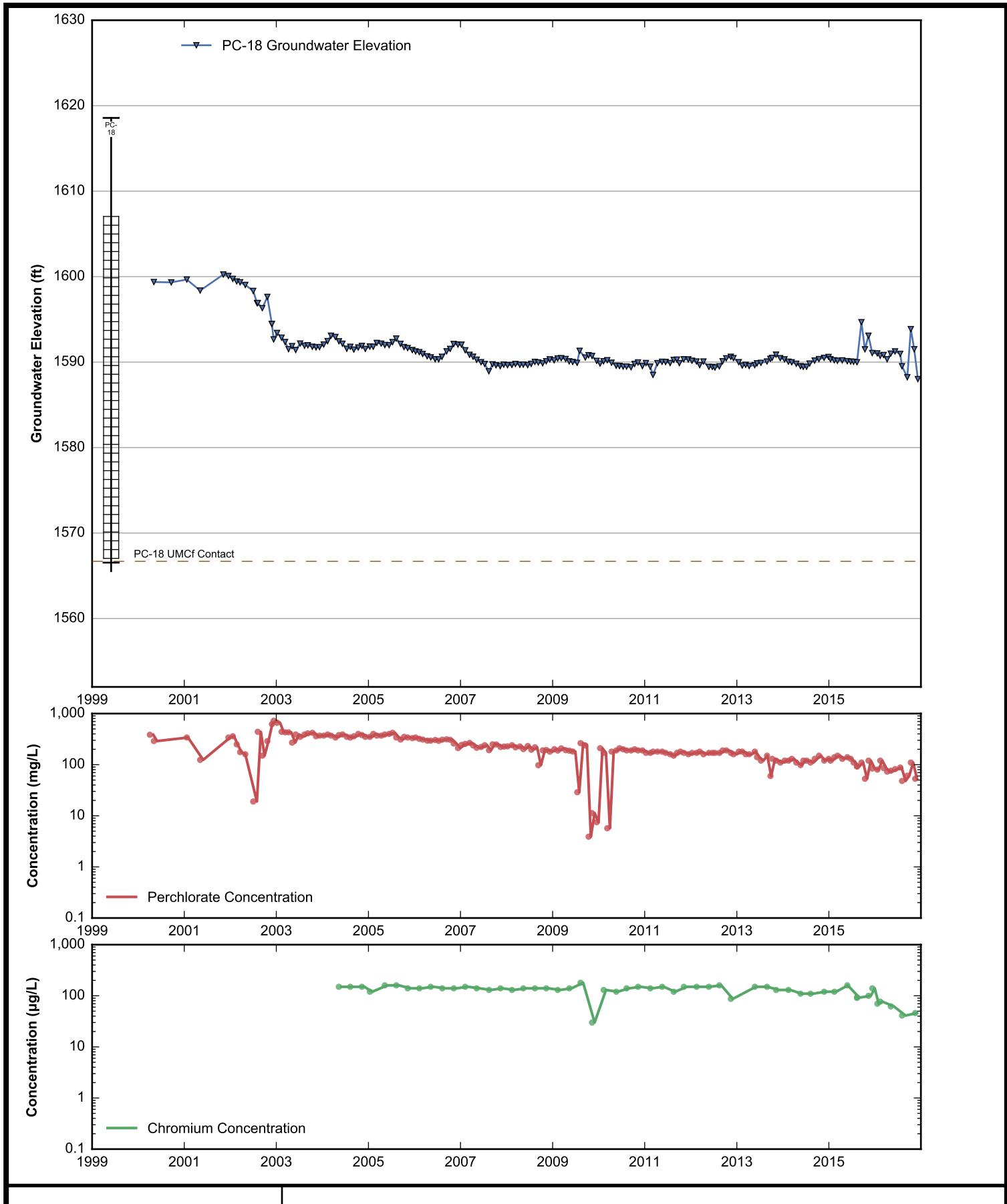




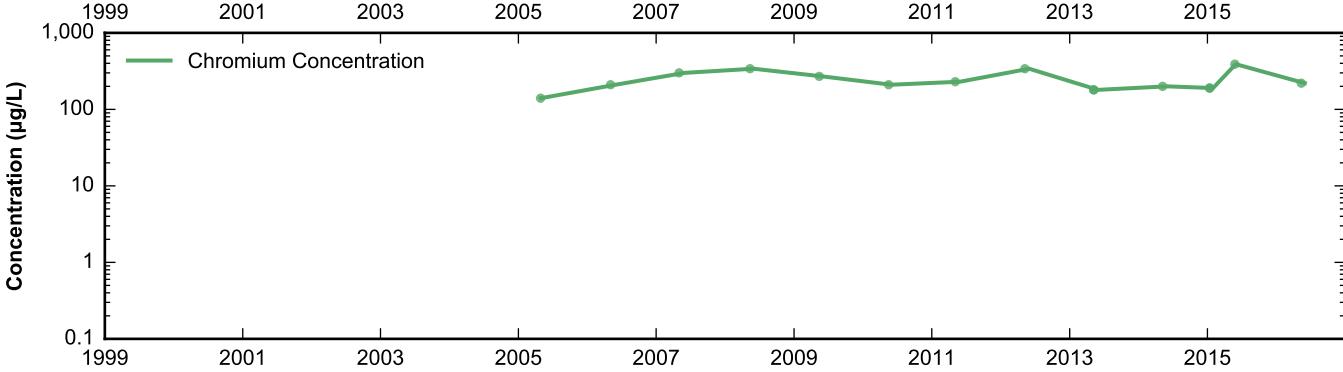
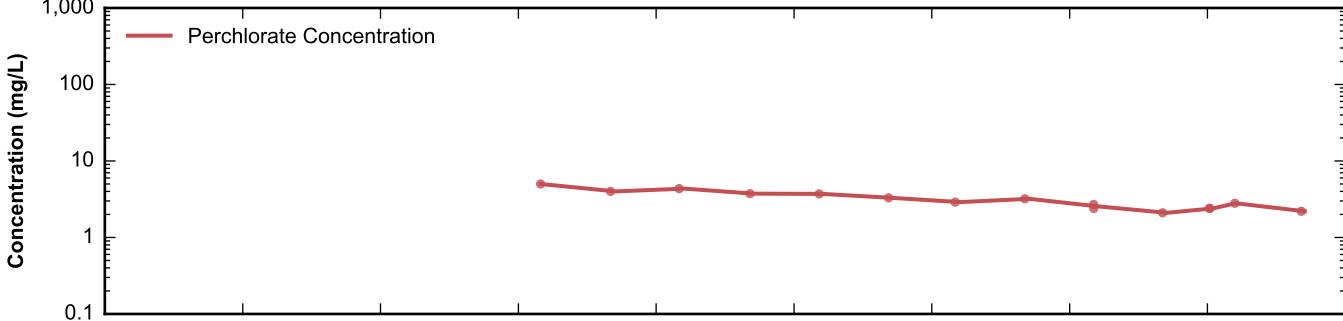
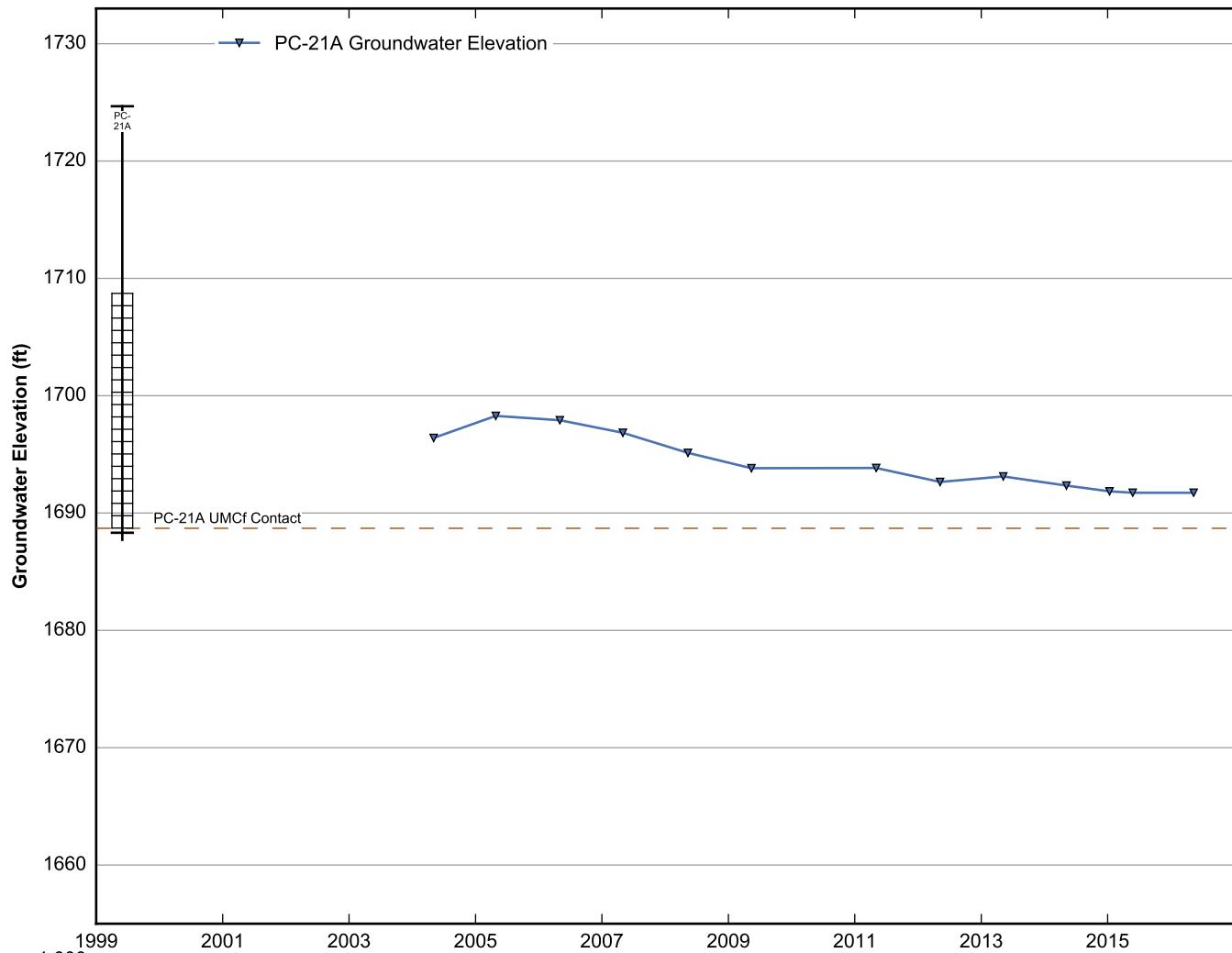


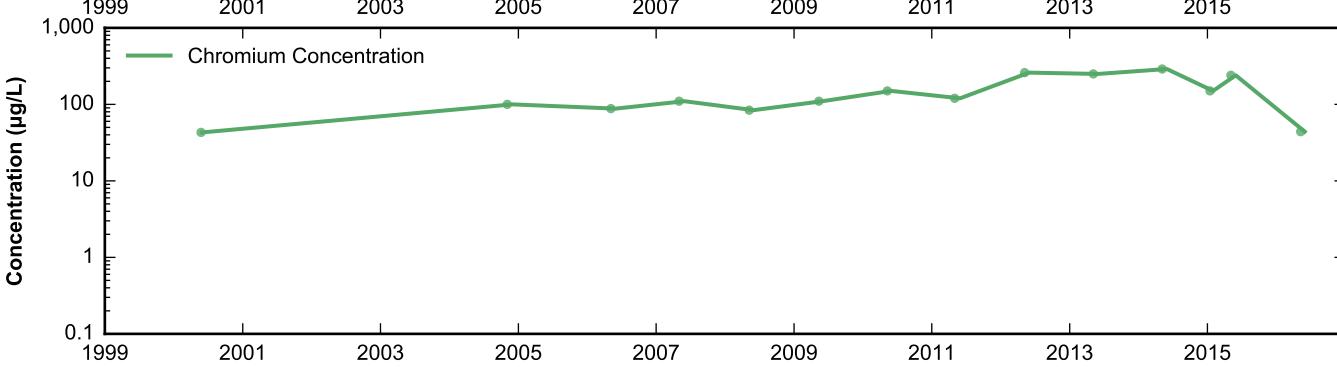
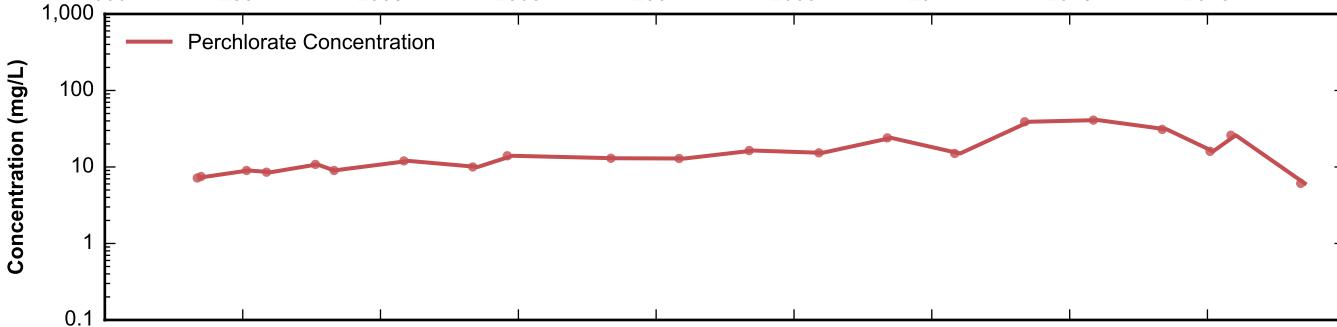
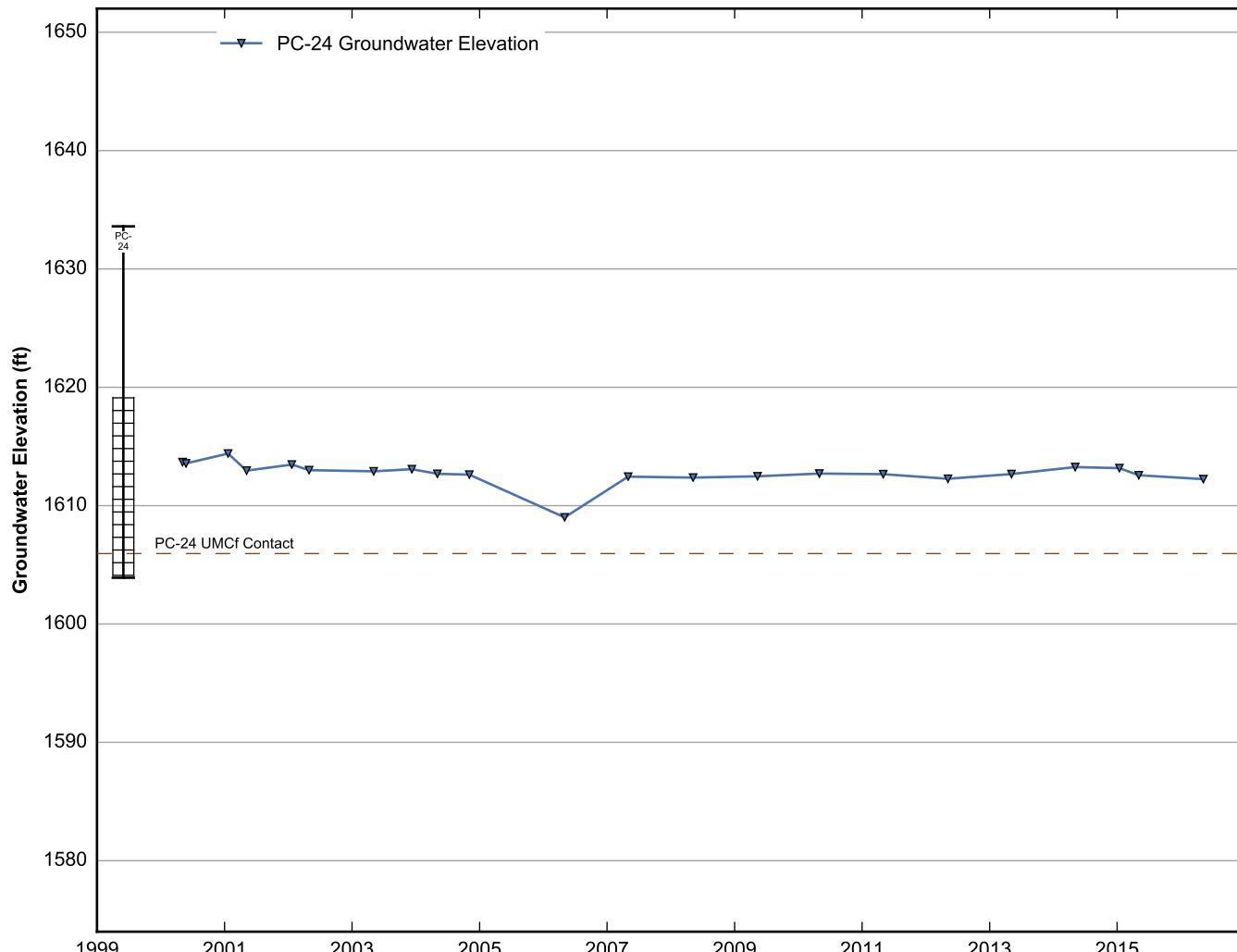


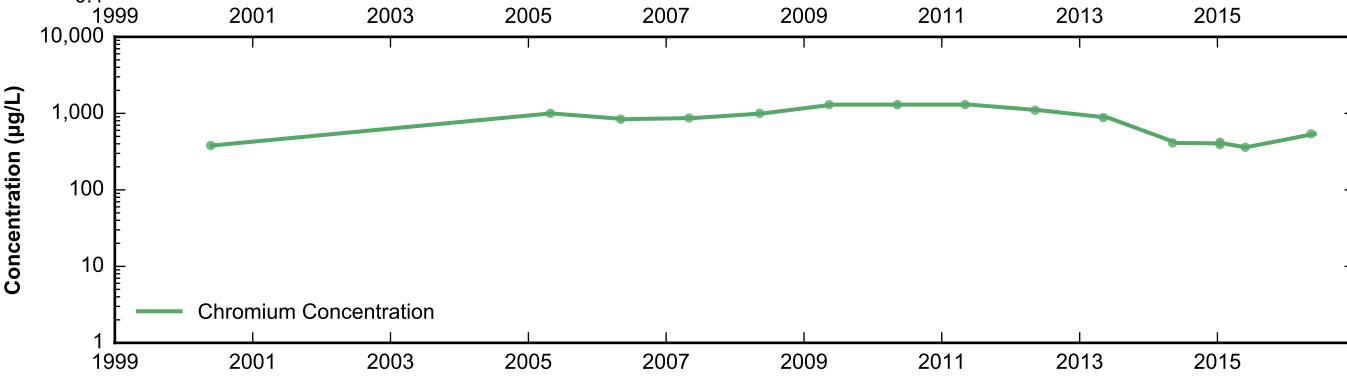
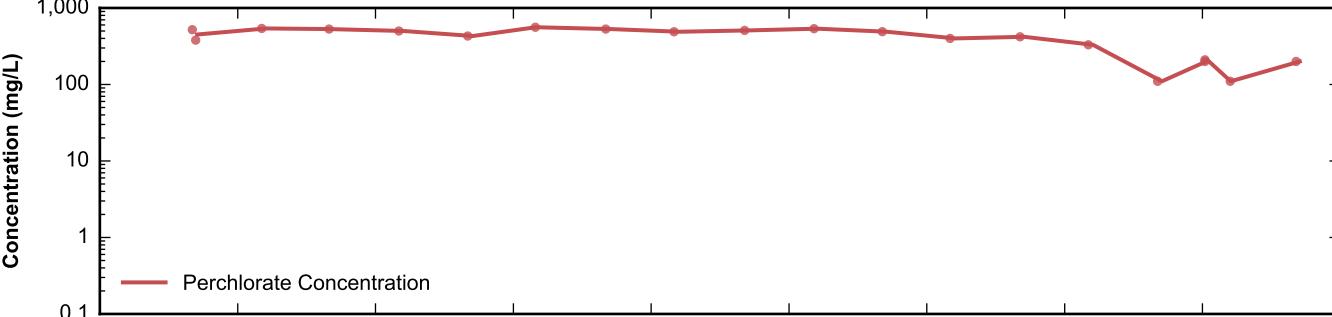
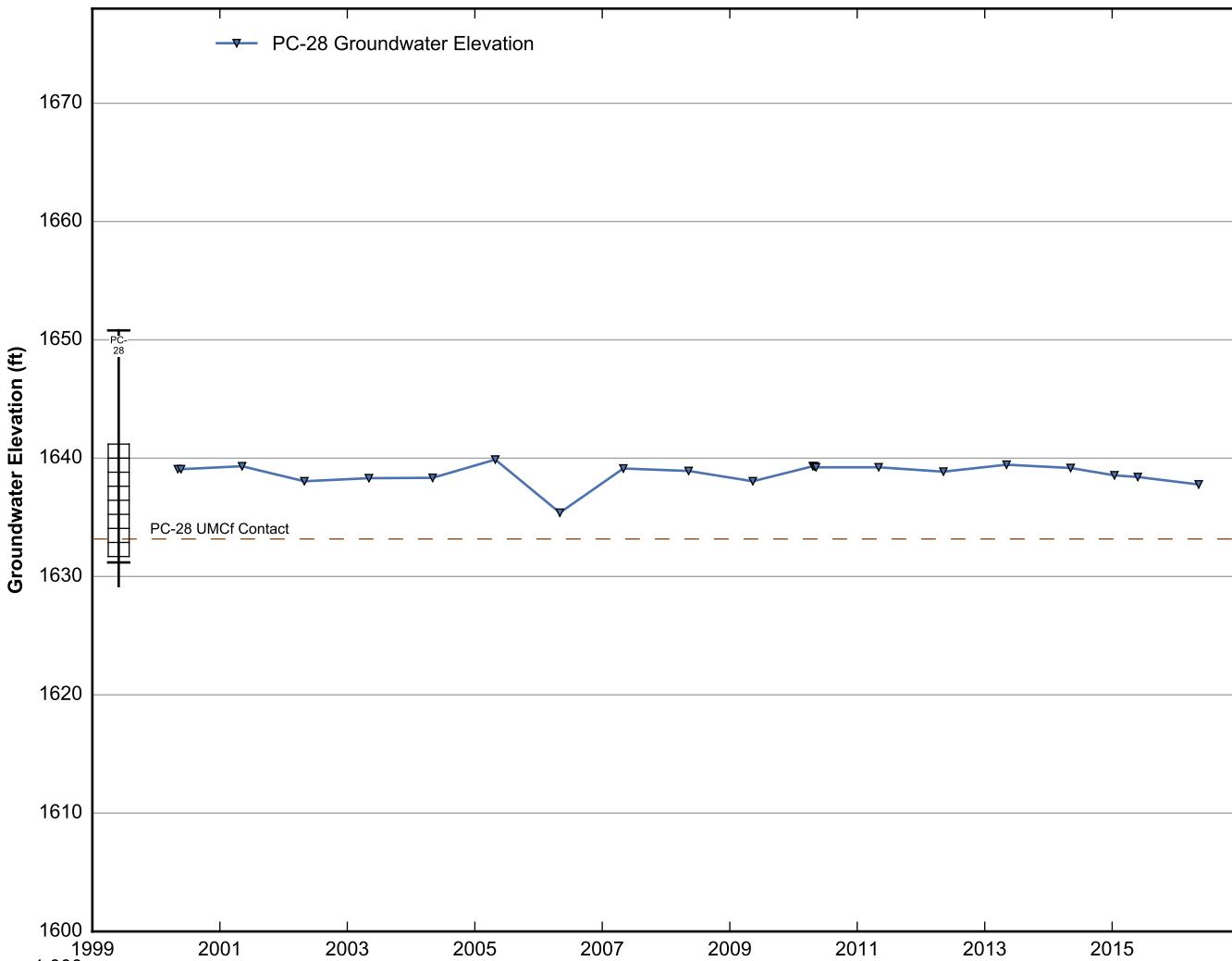



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Data Sheet for Well PC-18
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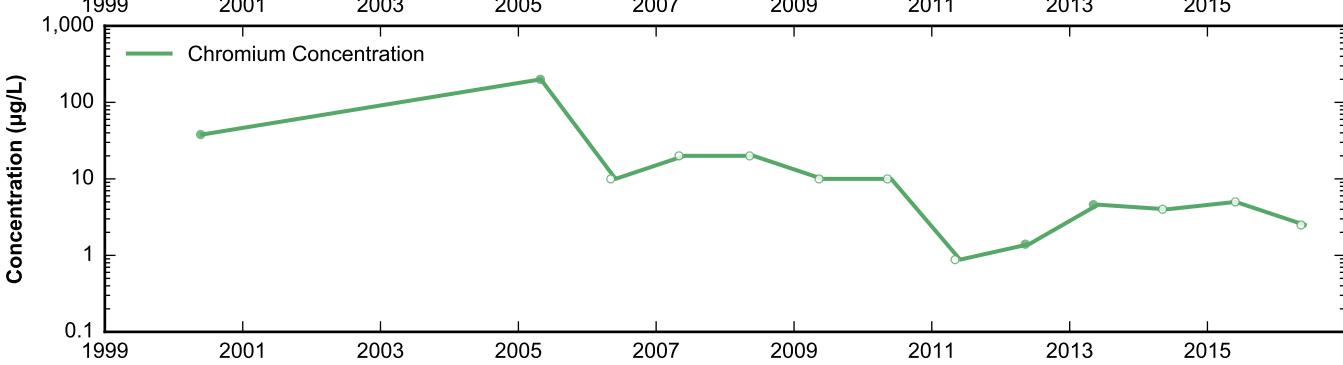
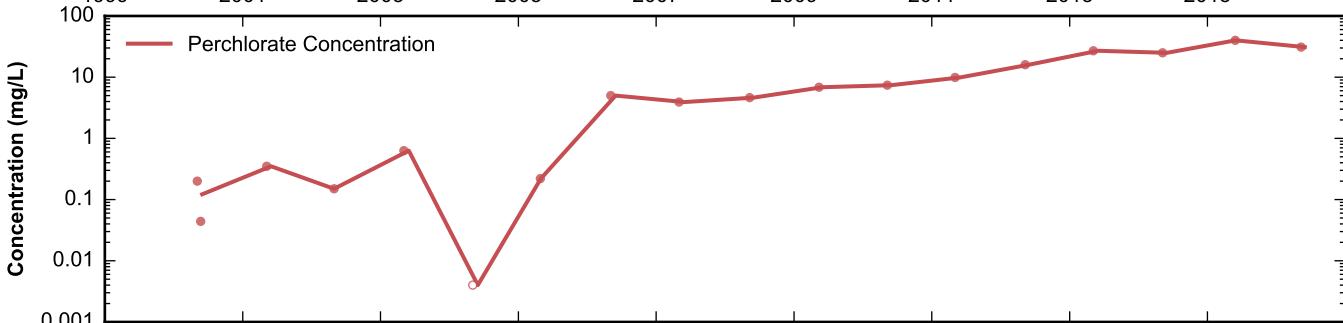
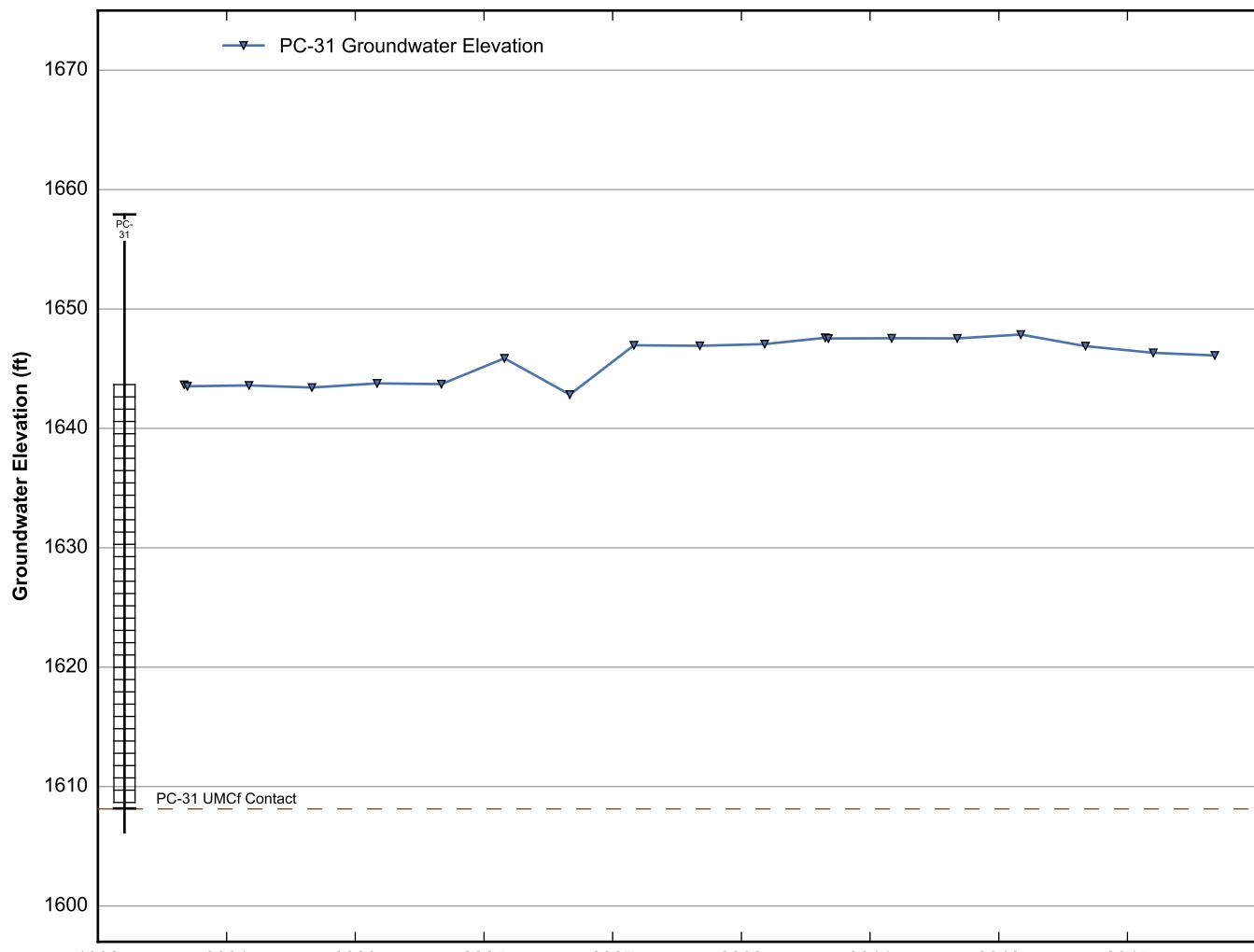


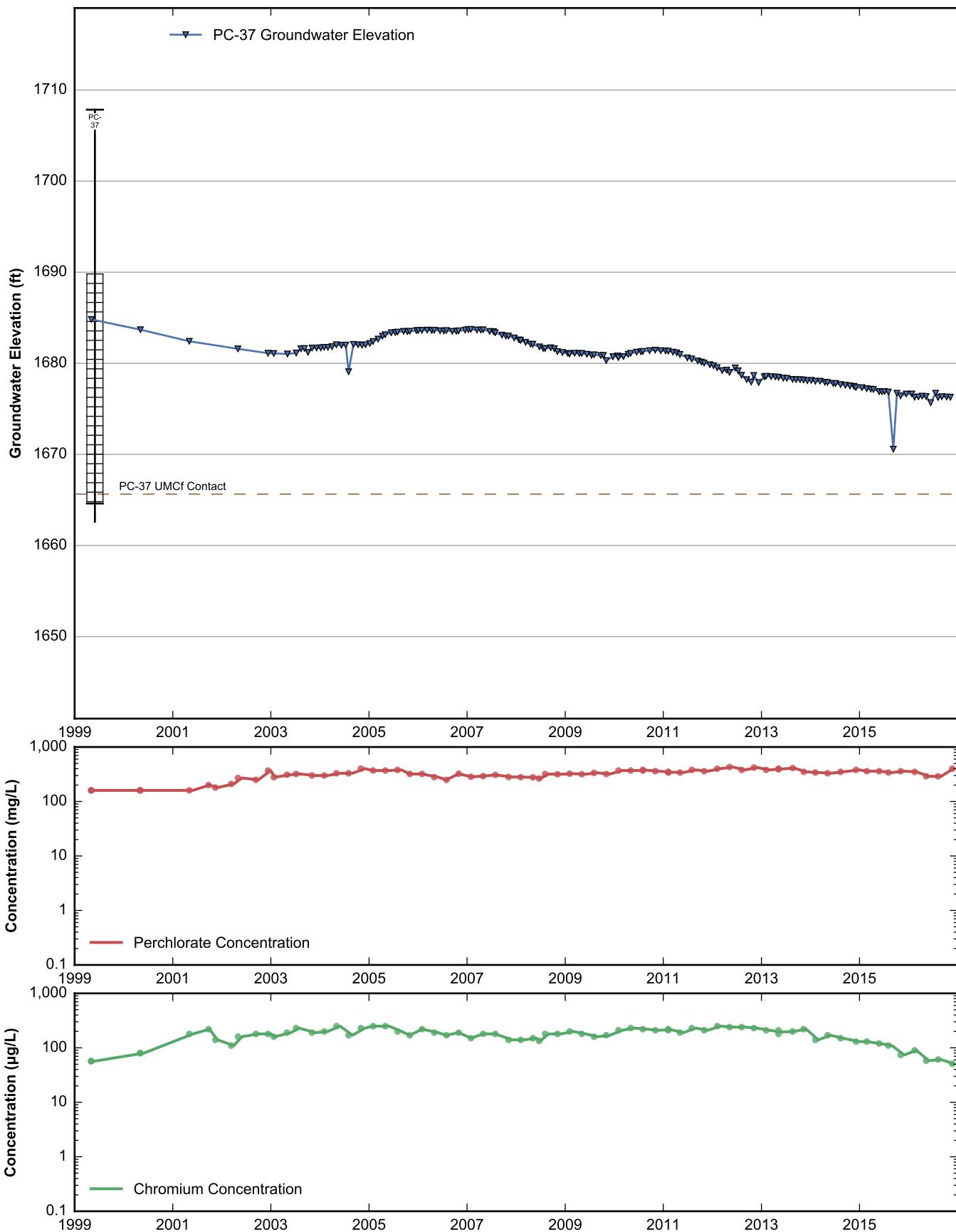


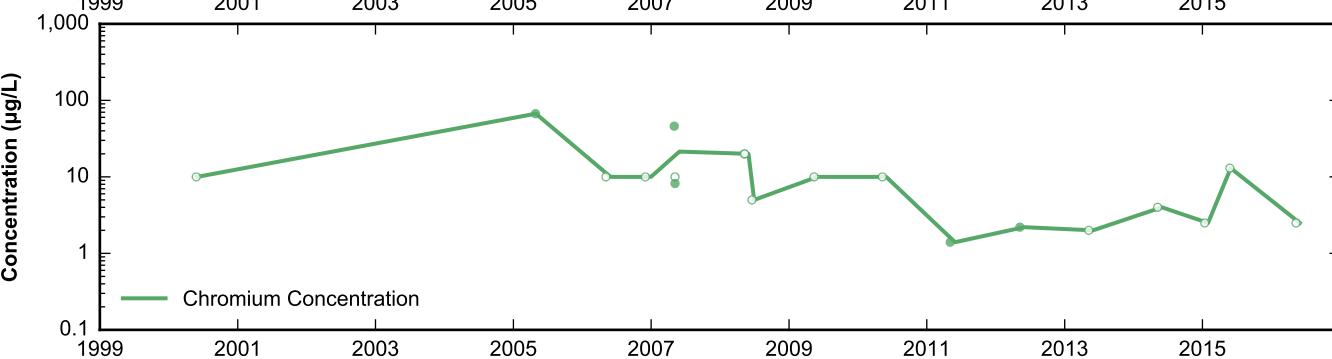
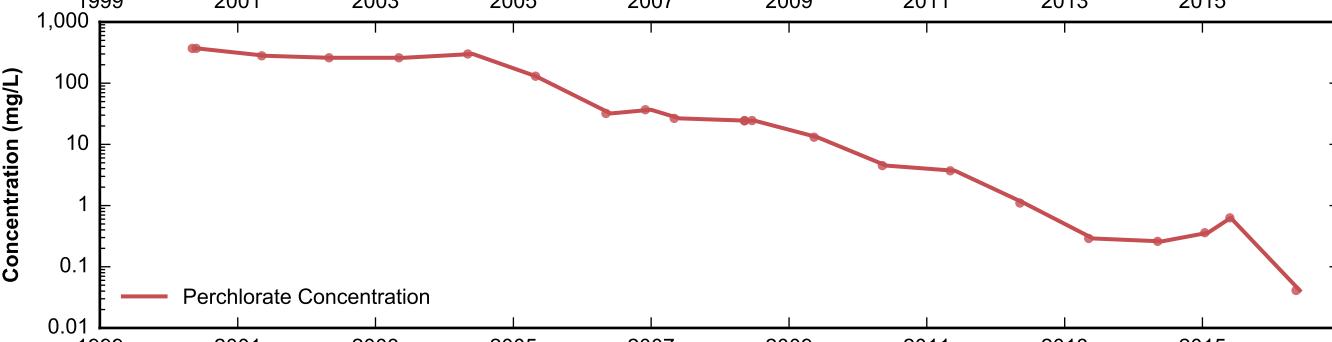
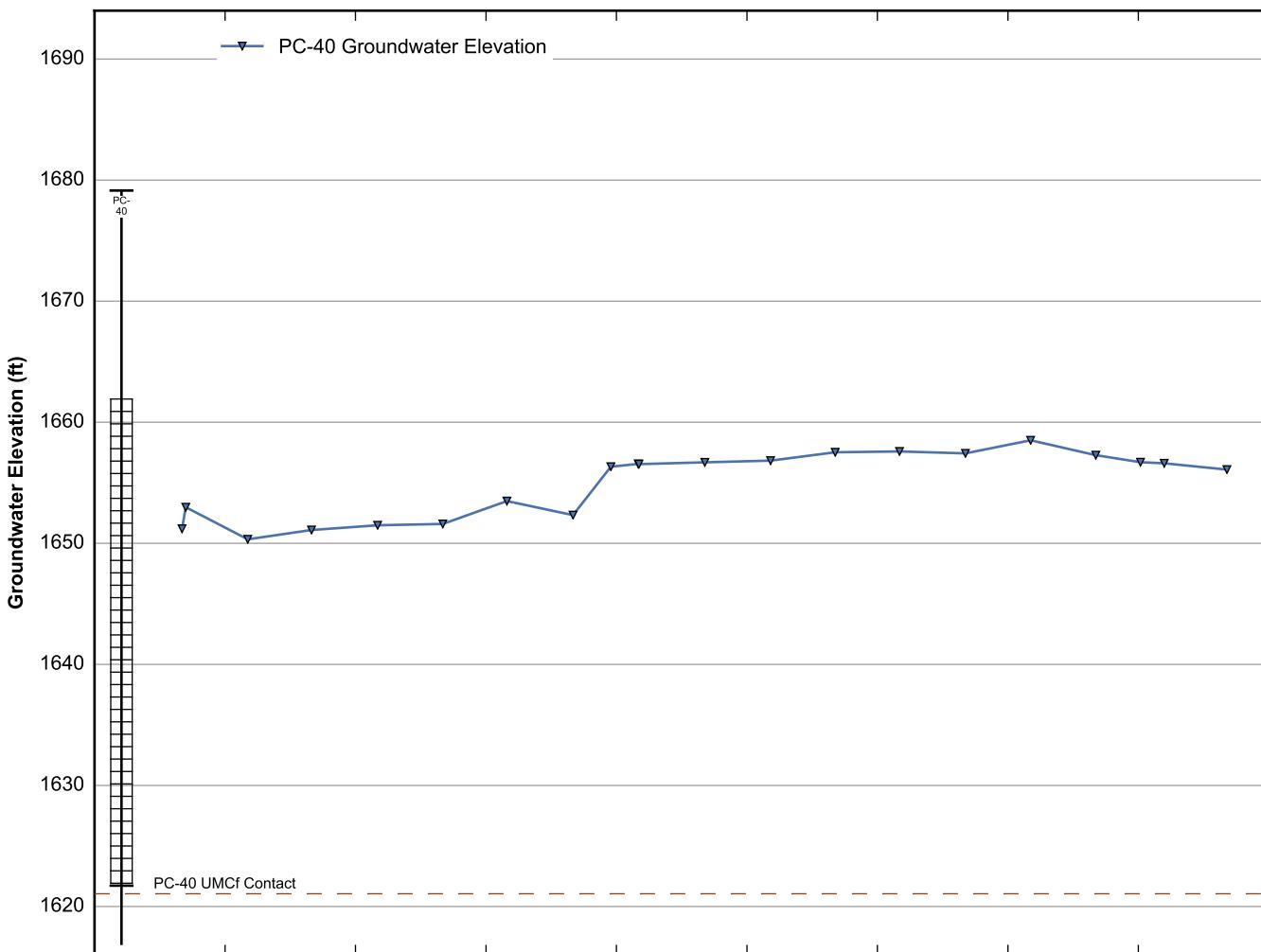


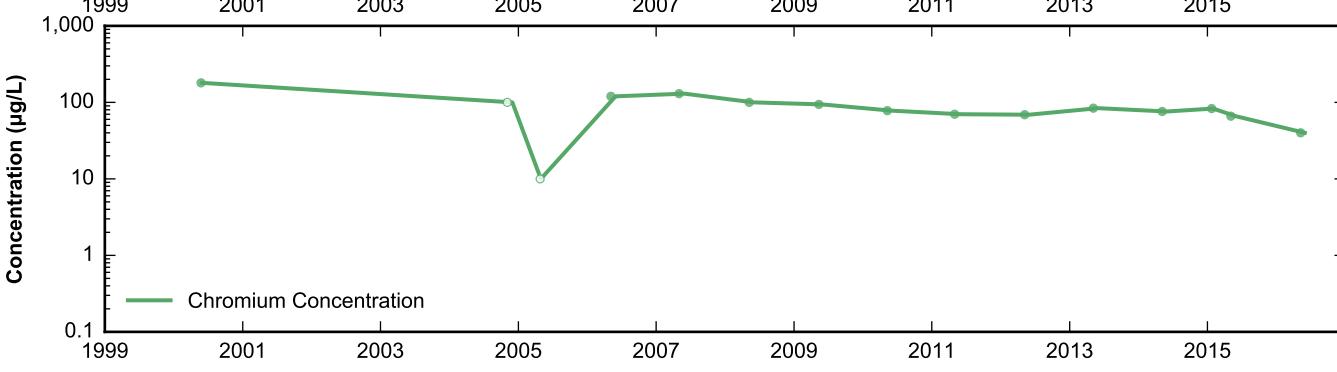
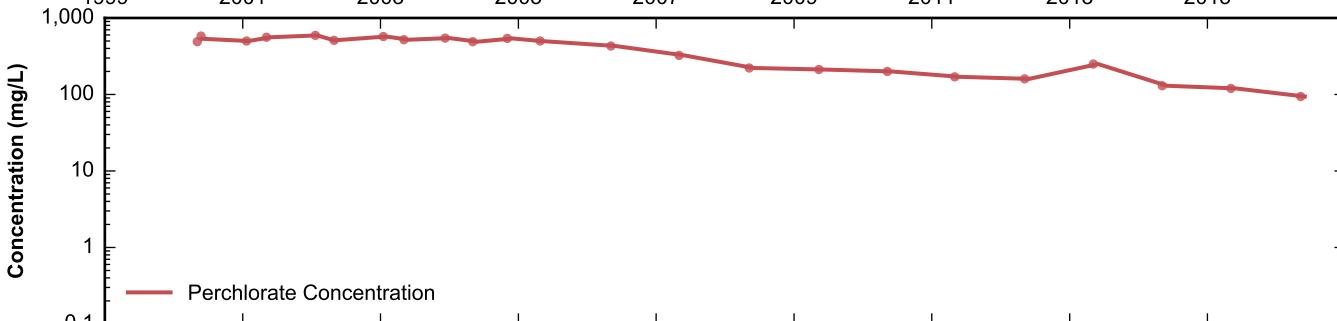
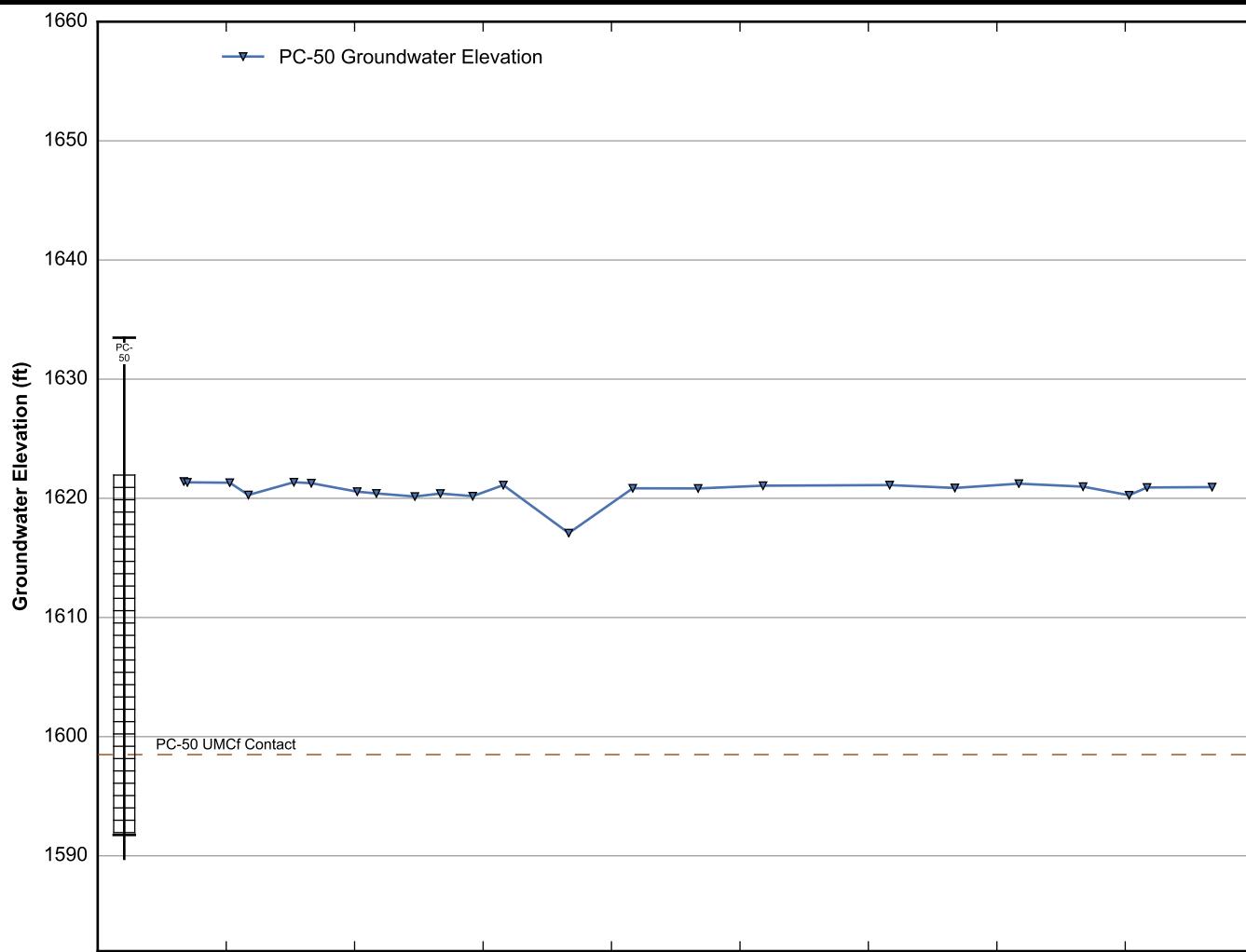
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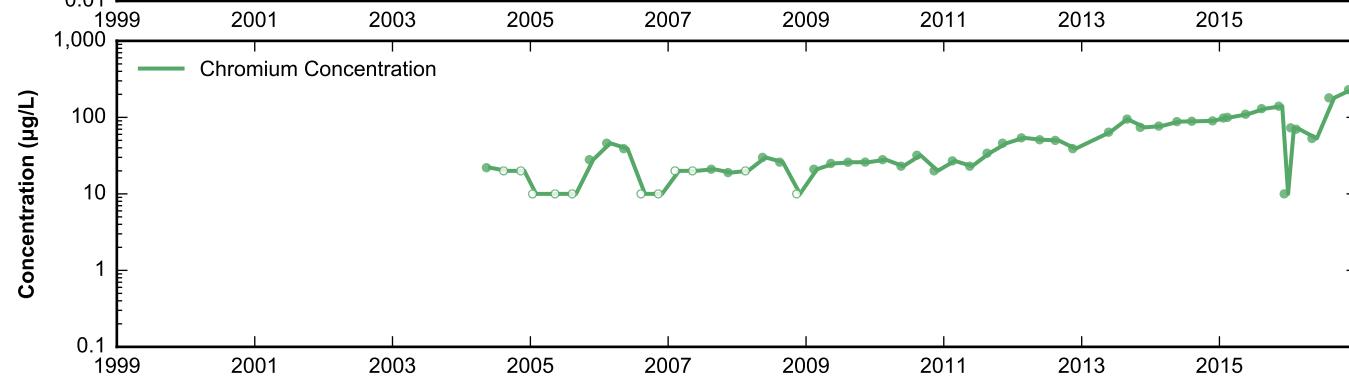
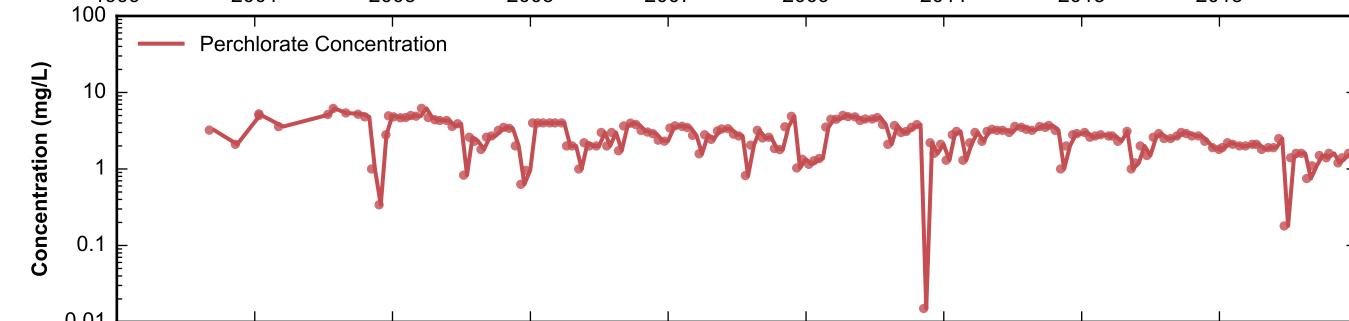
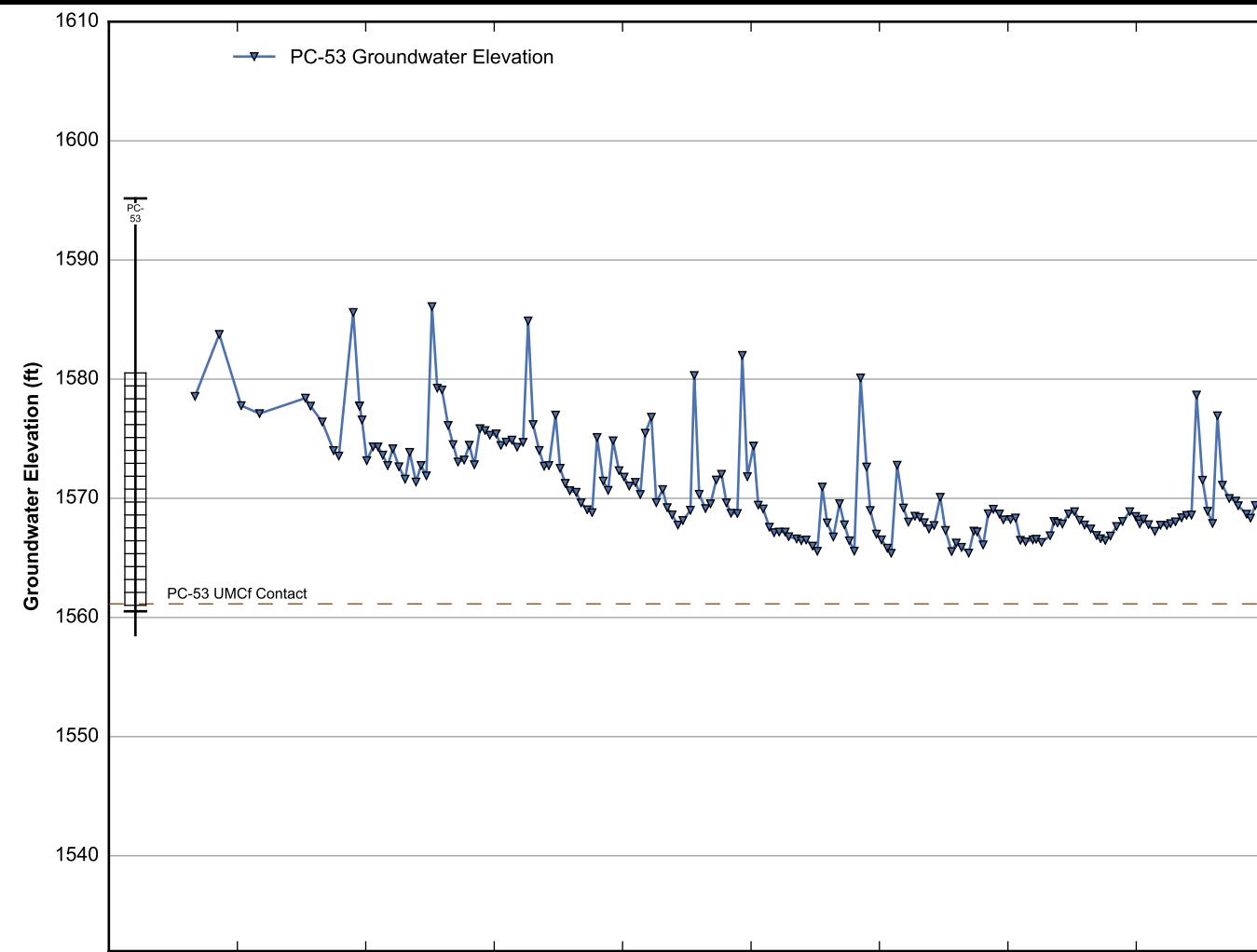
Data Sheet for Well PC-28
Nevada Environmental Response Trust Site
Henderson, Nevada

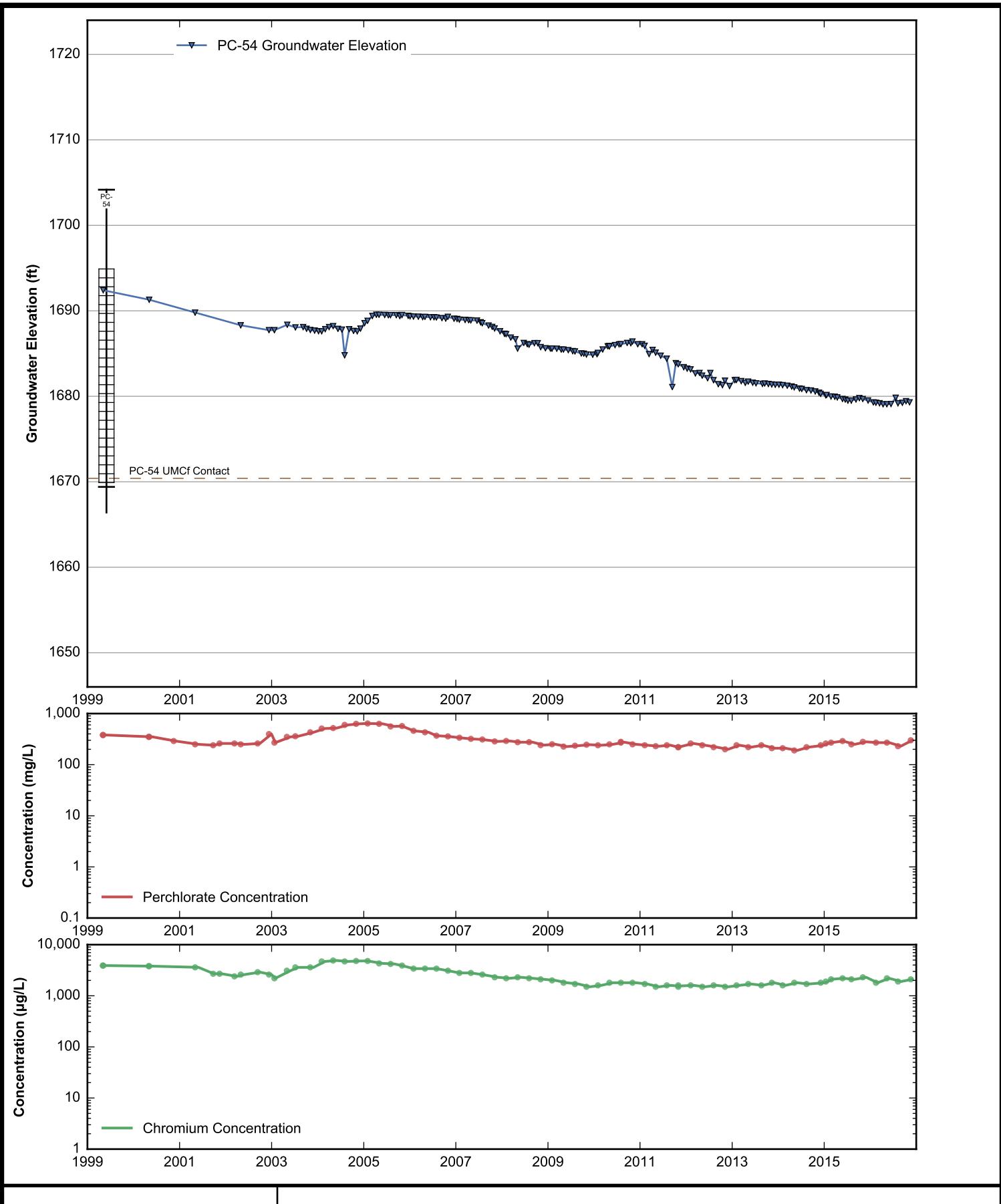










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Data Sheet for Well PC-54
 Nevada Environmental Response Trust Site
 Henderson, Nevada

