Projections of TBNRD Depletions and Mound Accretions

Figures A and B show a range of possible outcomes for the mound credit and streamflow depletions for Tri-Basin Natural Resources District (TBNRD), projected forward from 2020 (dotted black line) based upon different potential hydrologic conditions. Figure A represents a dryer climate cycle, and Figure B represents more climate variation. Figure C shows net accretion for both modeled projections.

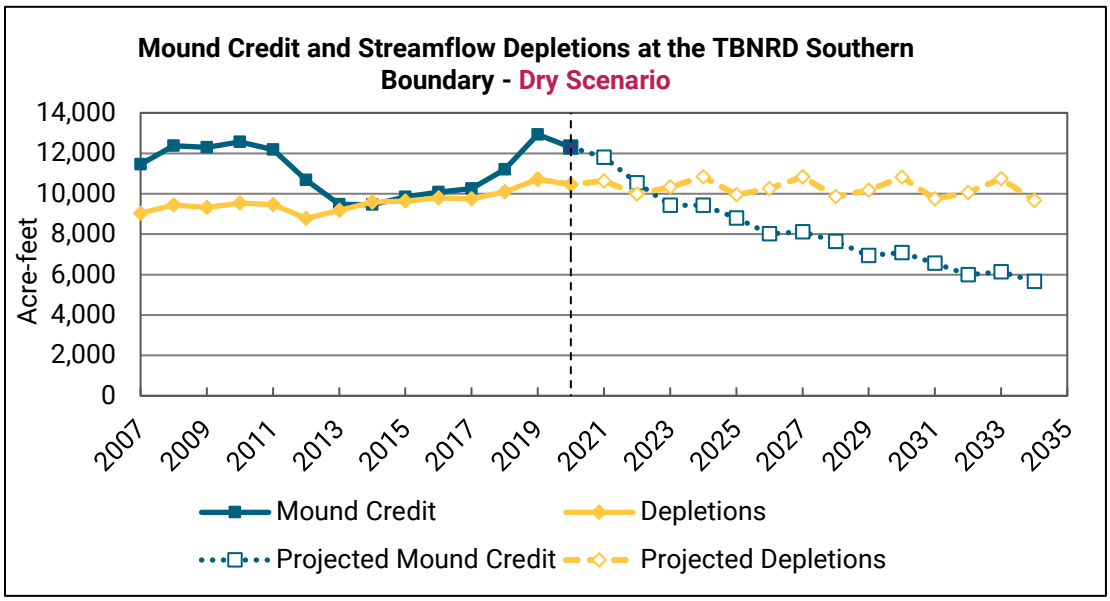

Figure A. Mound credit and groundwater depletions to streamflow (AF) at the TBNRD Southern Boundary. Data from 2011-2013 were projected forward from 2020 to represent a potential outcome under a dryer climate cycle.

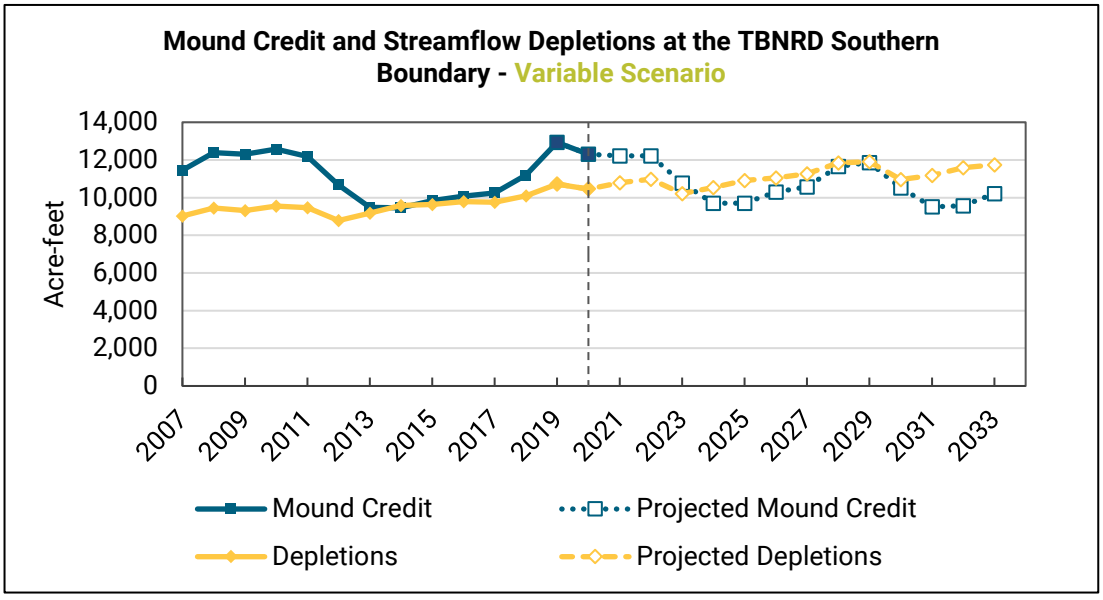

Figure B. Mound credit and groundwater depletions to streamflow (AF) at the TBNRD Southern Boundary. Data from 2010-2016 were projected forward from 2020 to represent a potential outcome under a variable climate cycle.

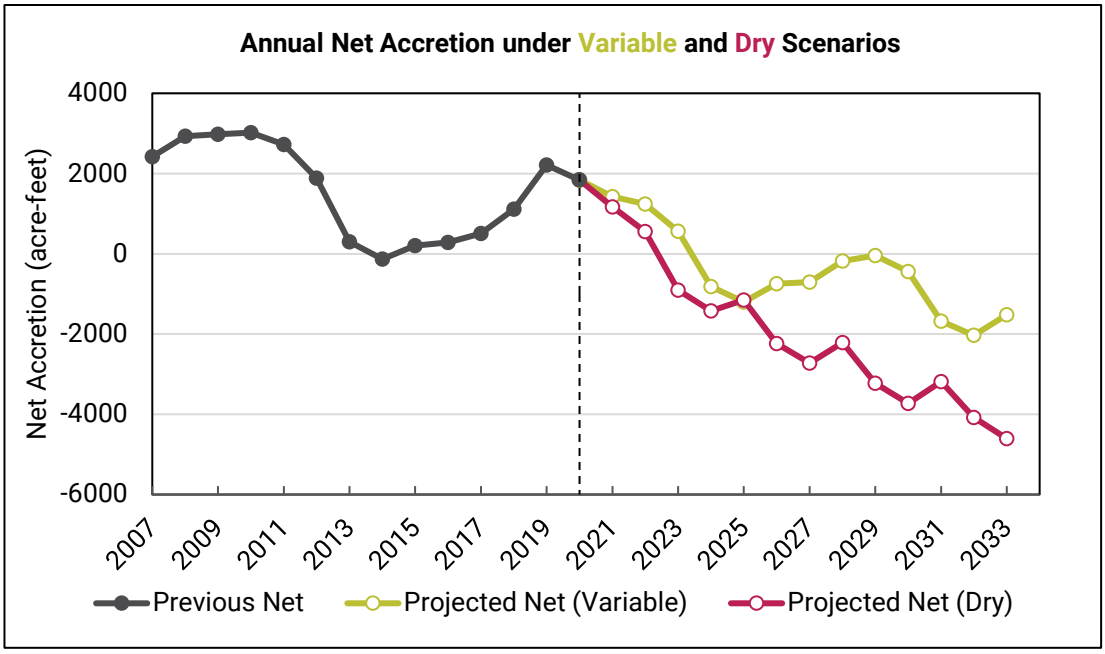

Figure C. Projected net accretion (AF) under variable and dry scenarios at the TBNRD Southern Boundary, calculated as the mound credit minus depletions for each of the two scenarios depicted in Figures A and B. The dry and variable projections are described in the captions for Figures A and B.