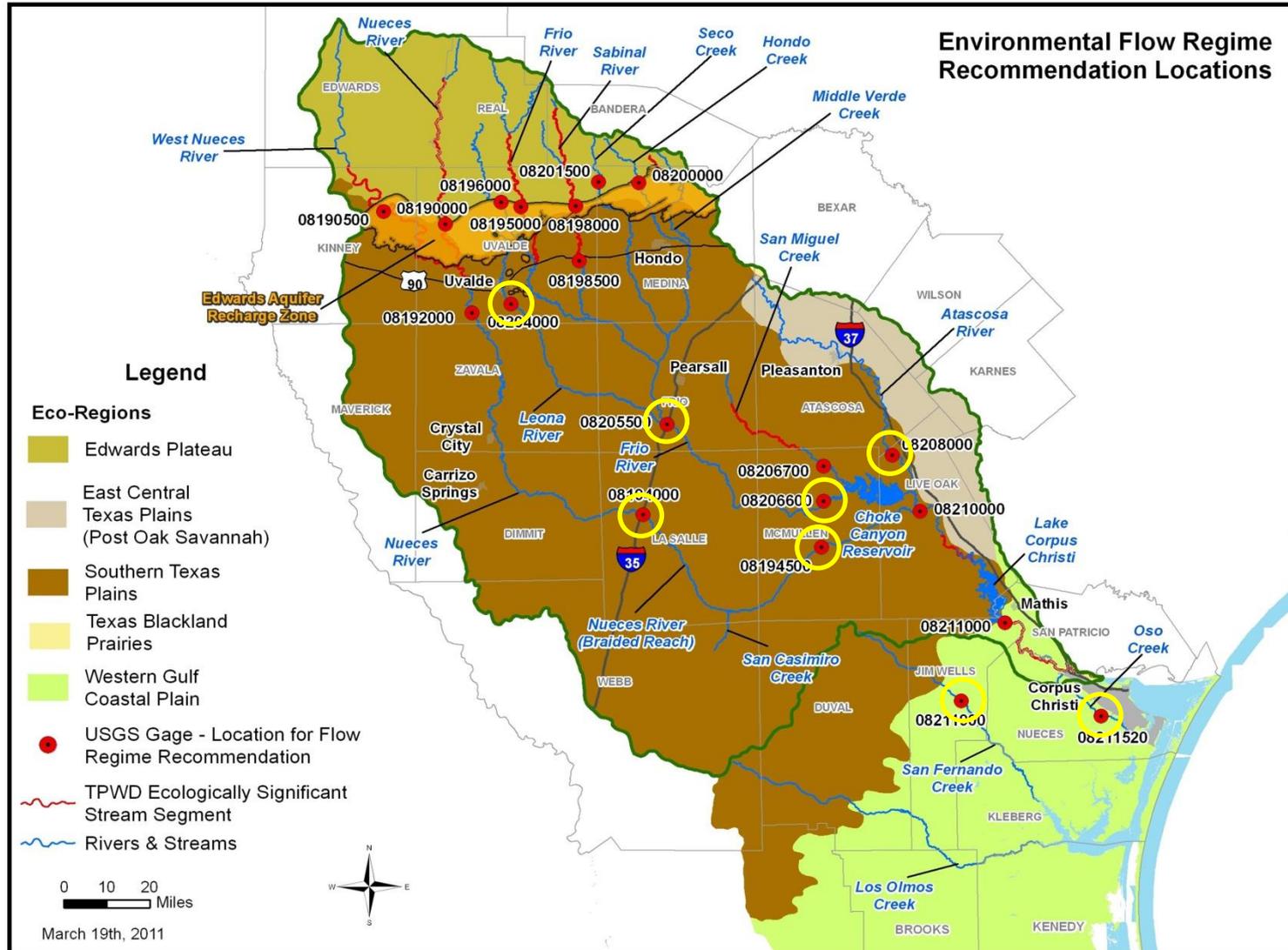


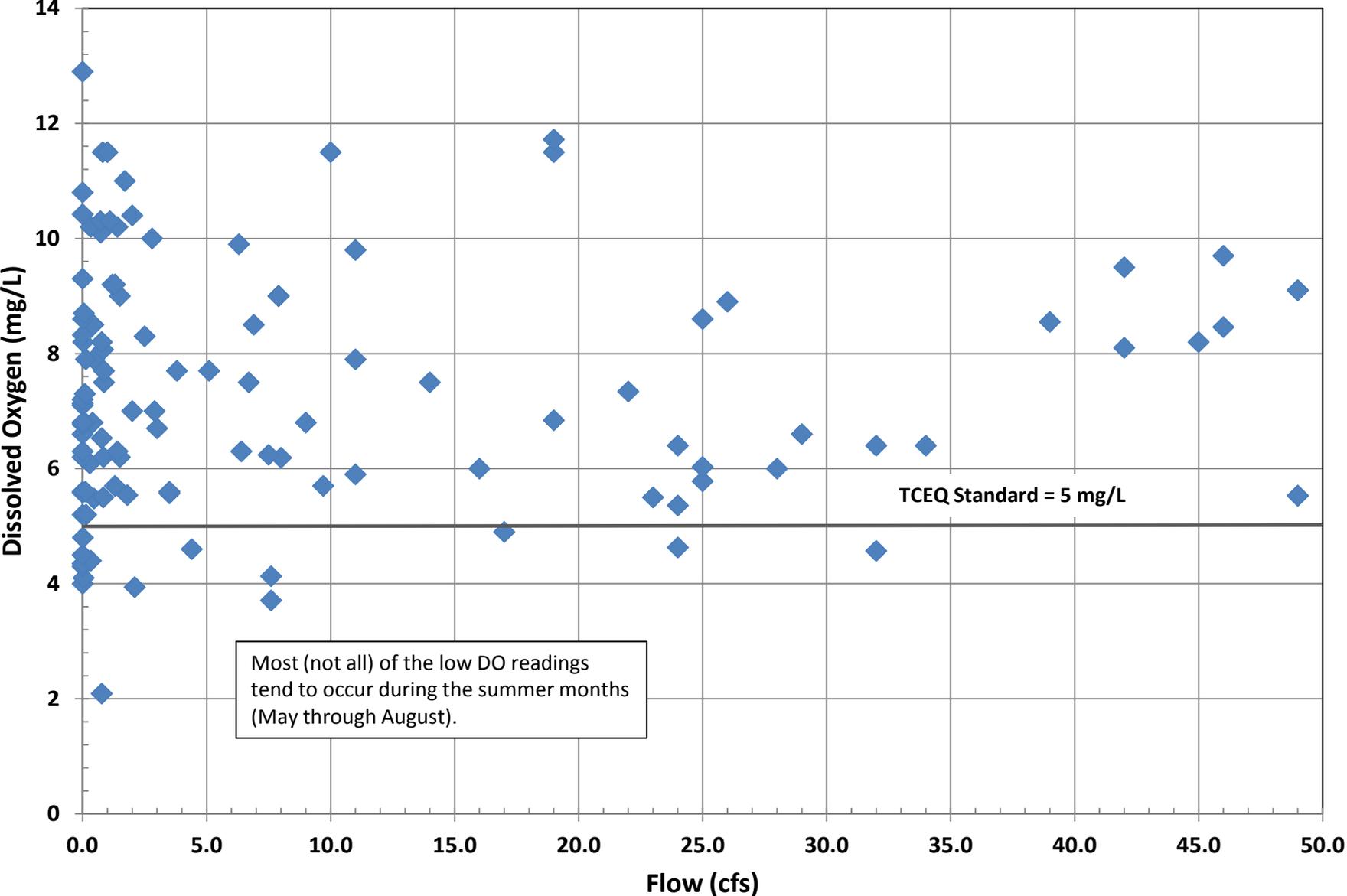
Nueces River Basin Water Quality Overlay

October 7, 2011 DRAFT

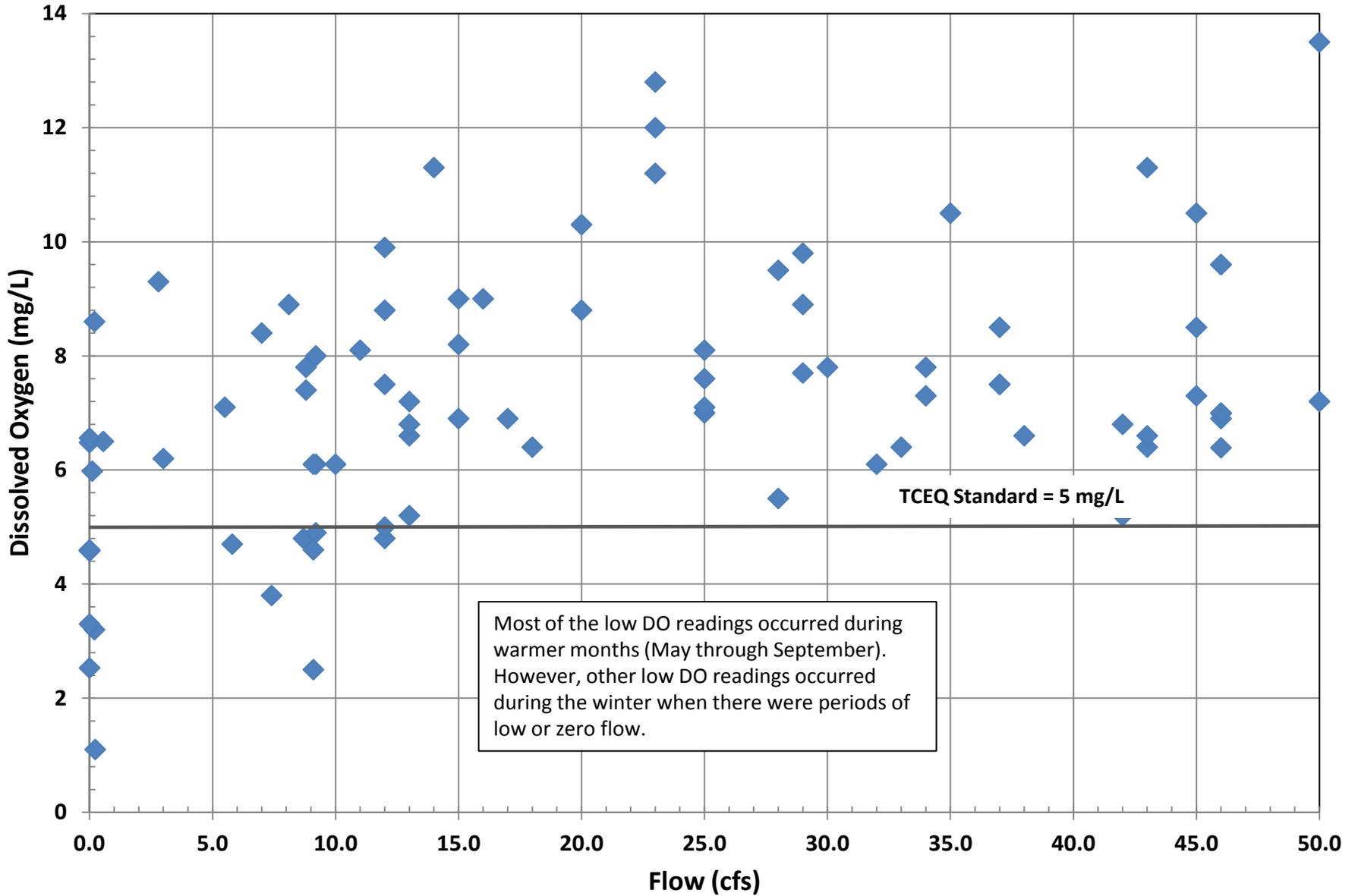
Locations w/ Low DO Observations



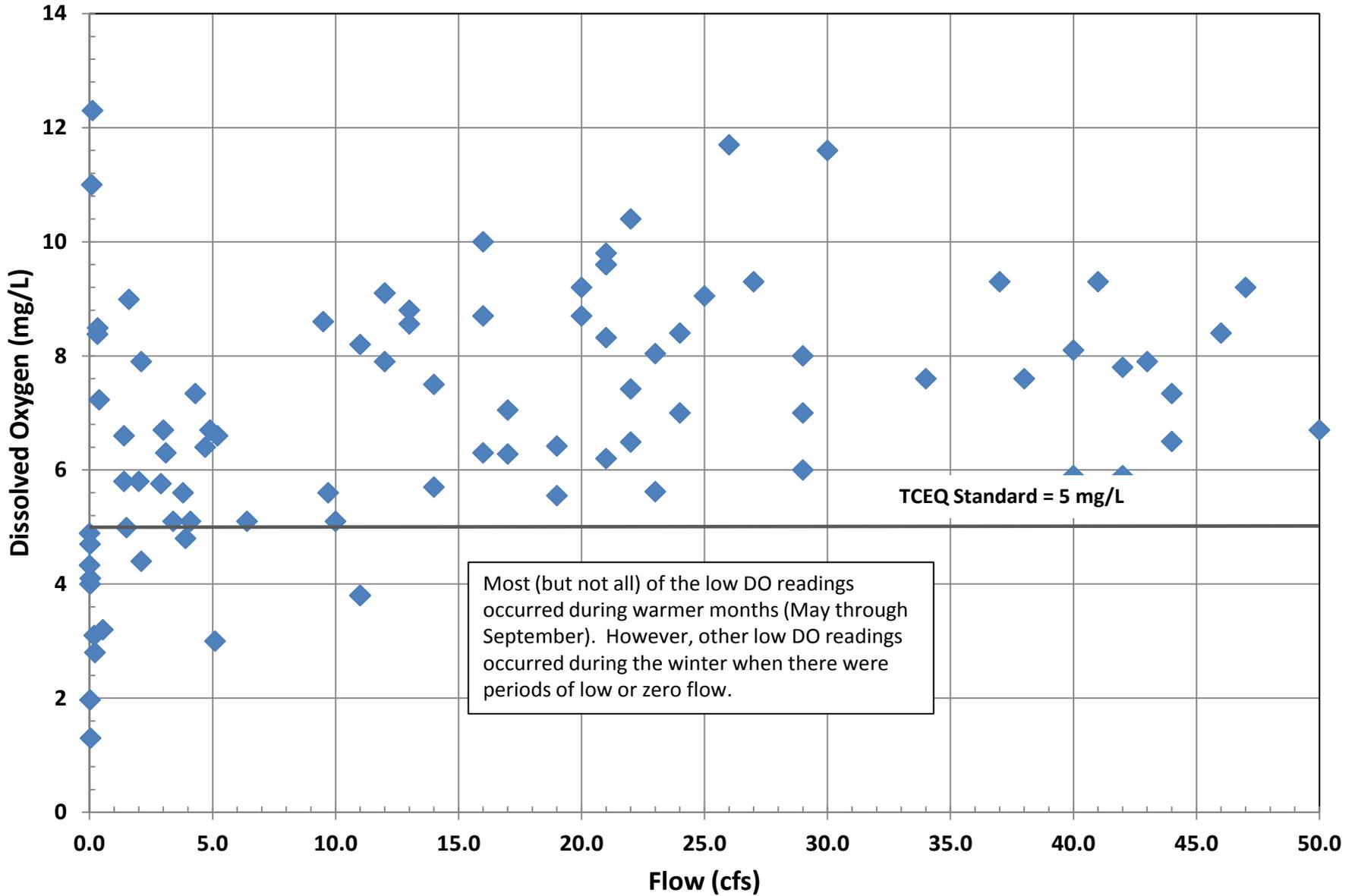
Nueces River nr Tilden



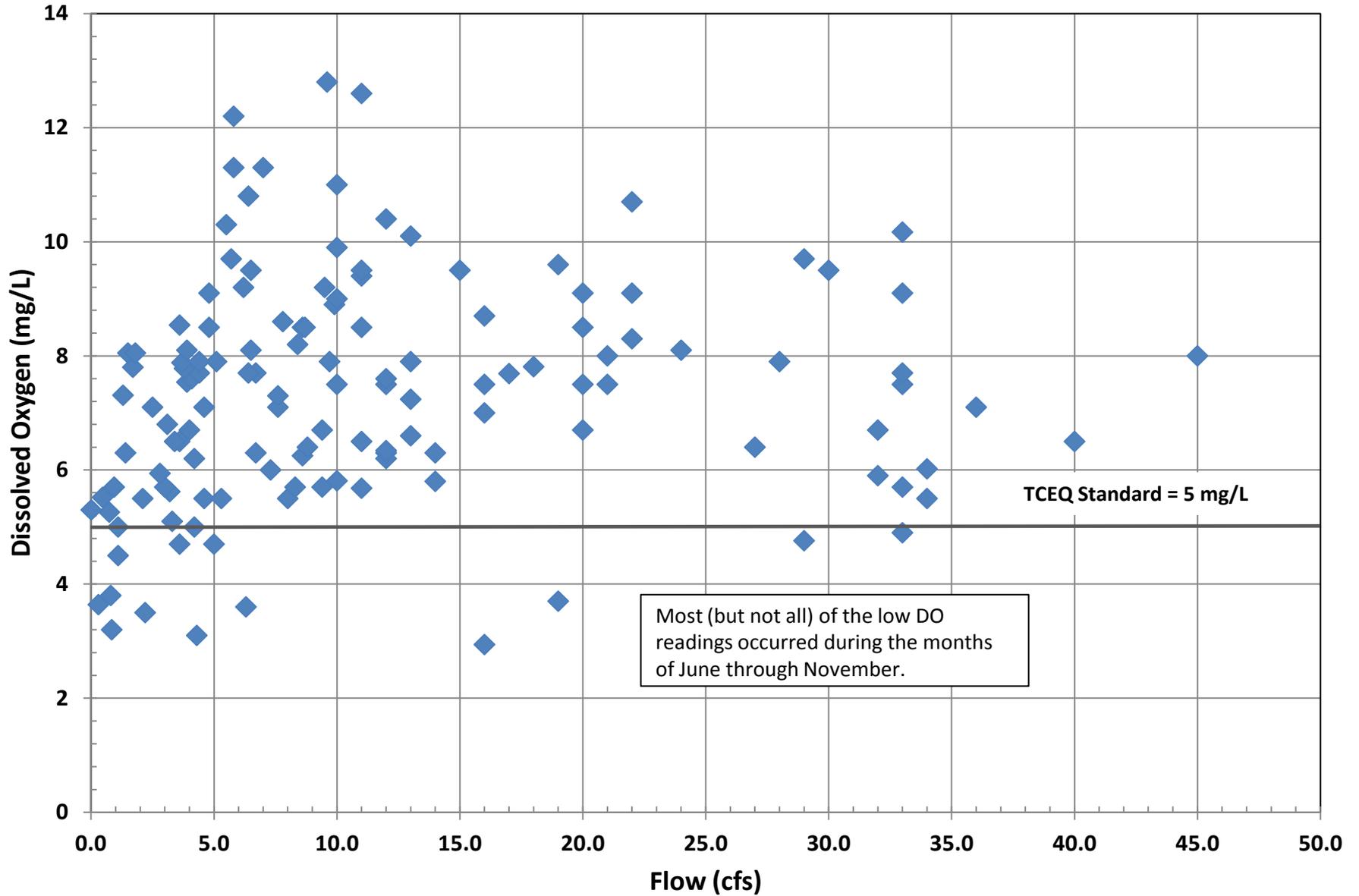
Frio River nr Derby



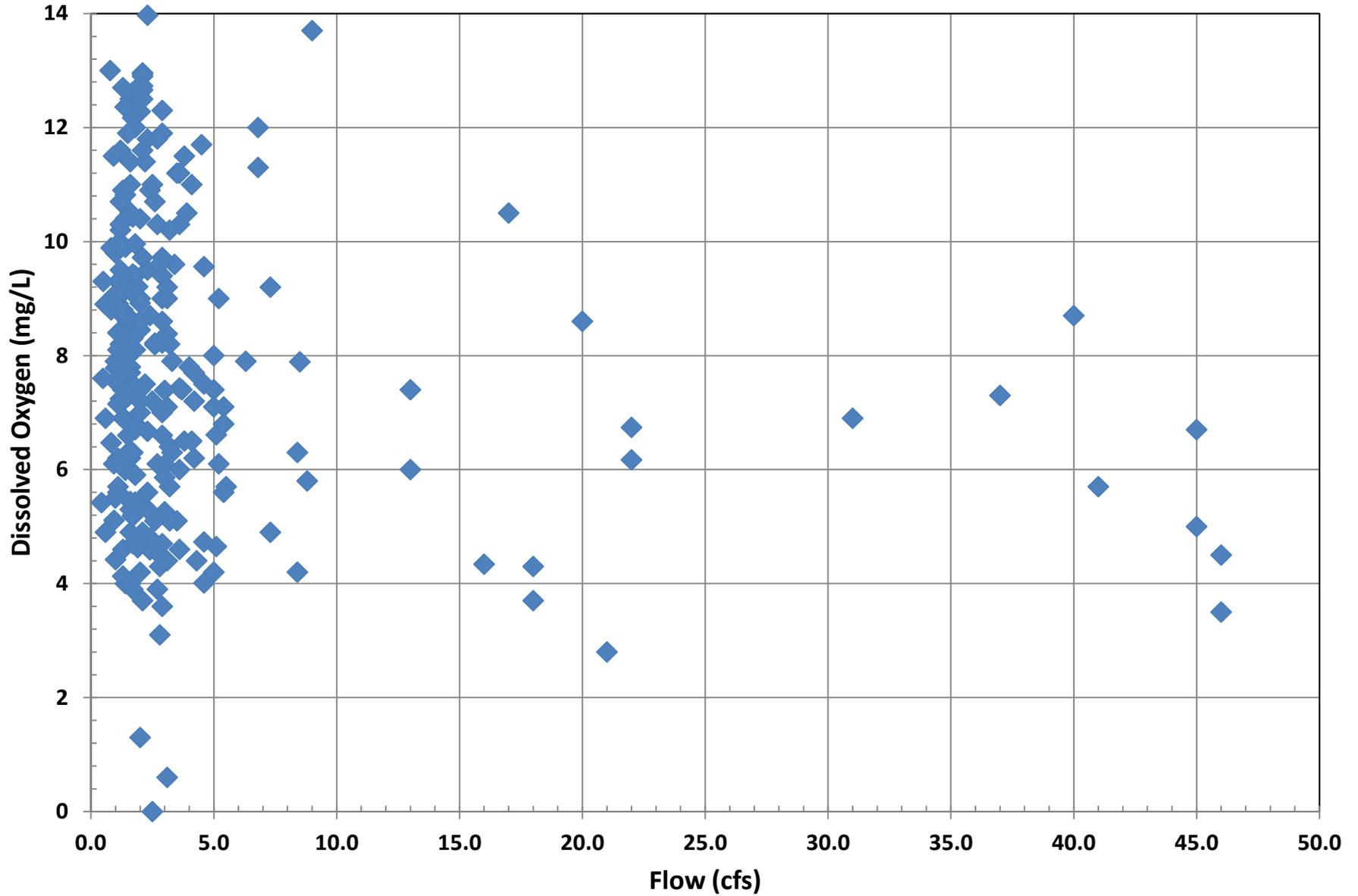
Frio River at Tilden



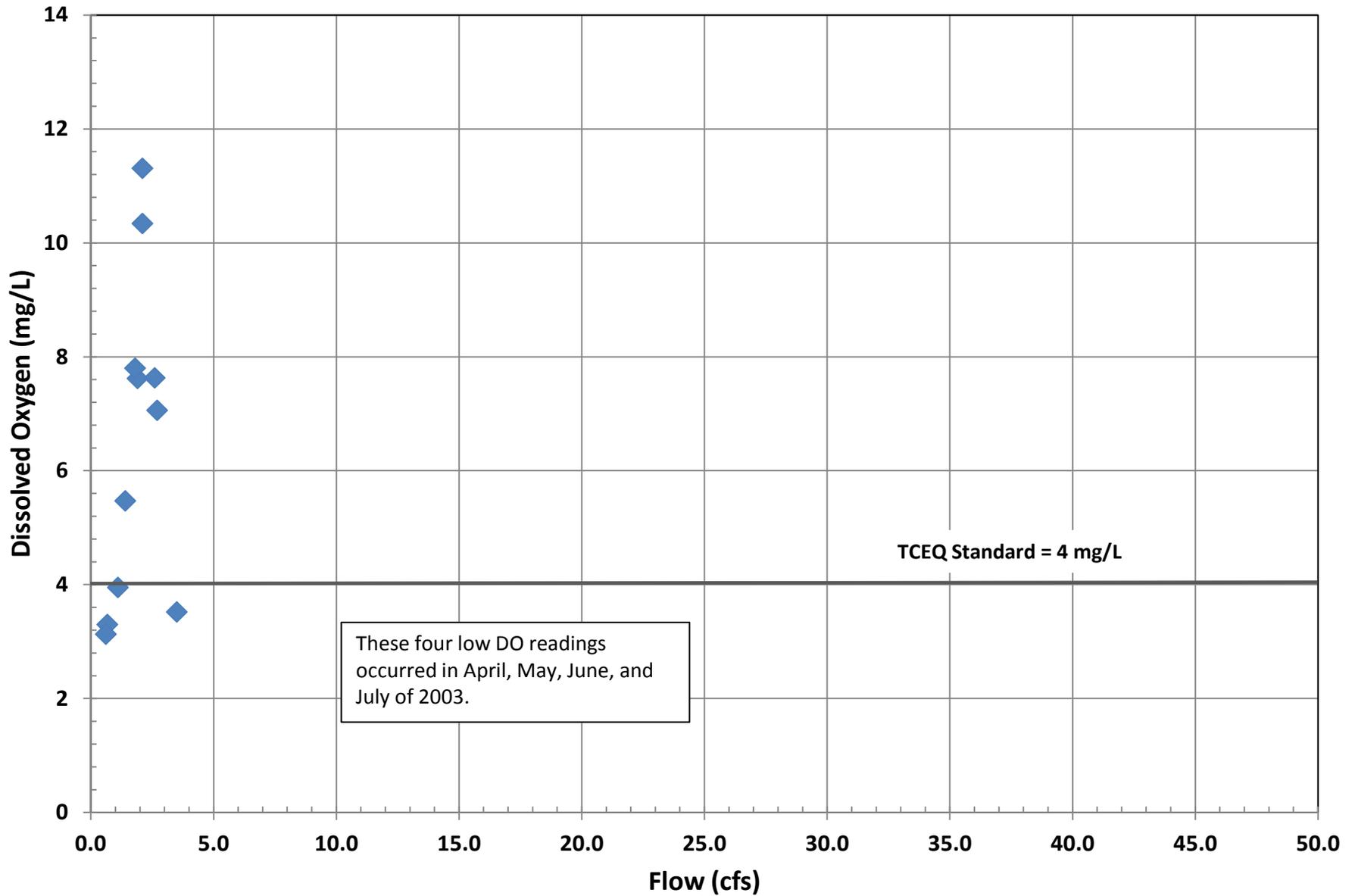
Atascosa River at Whitsett



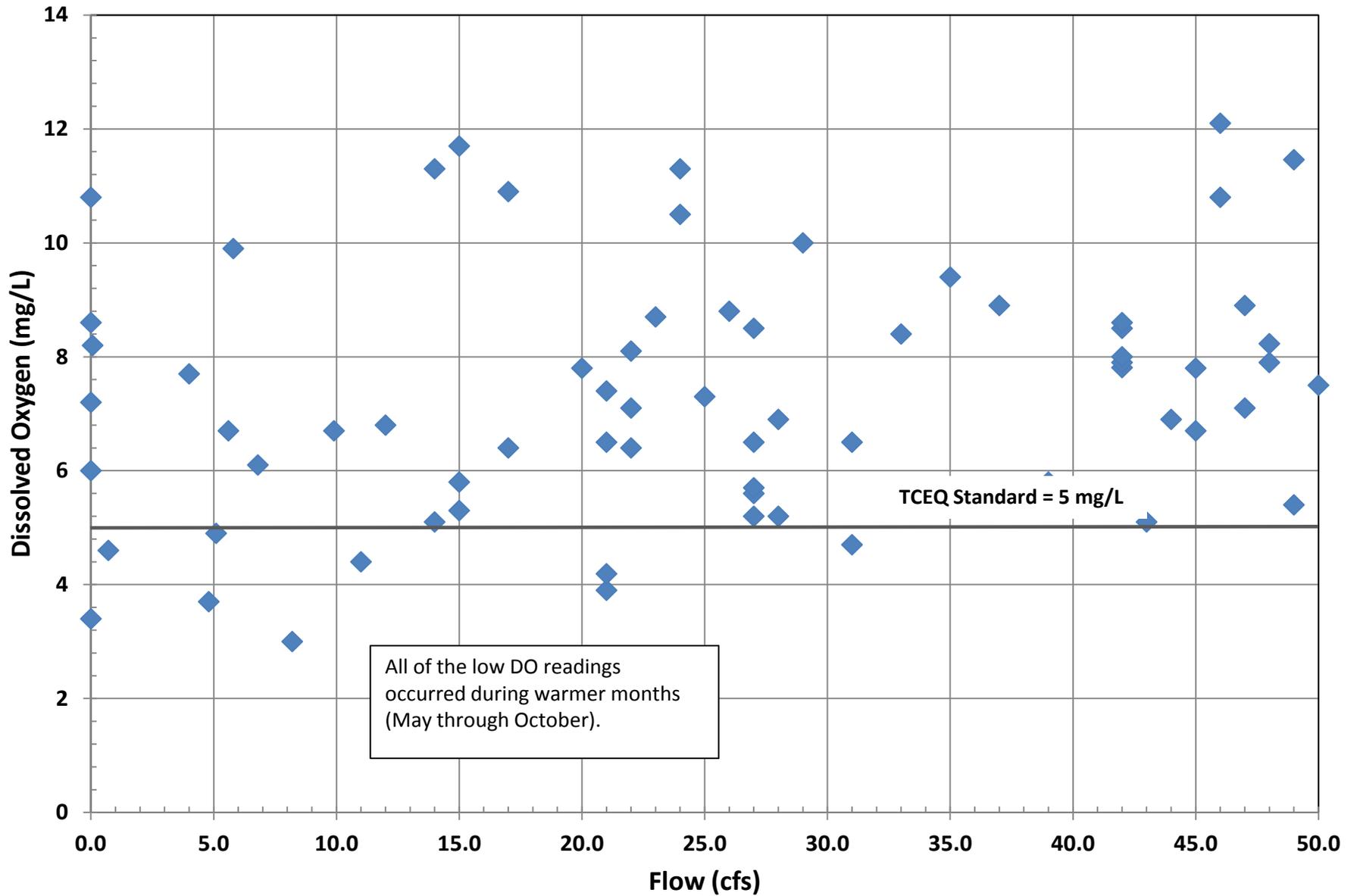
Oso Creek at Corpus Christi



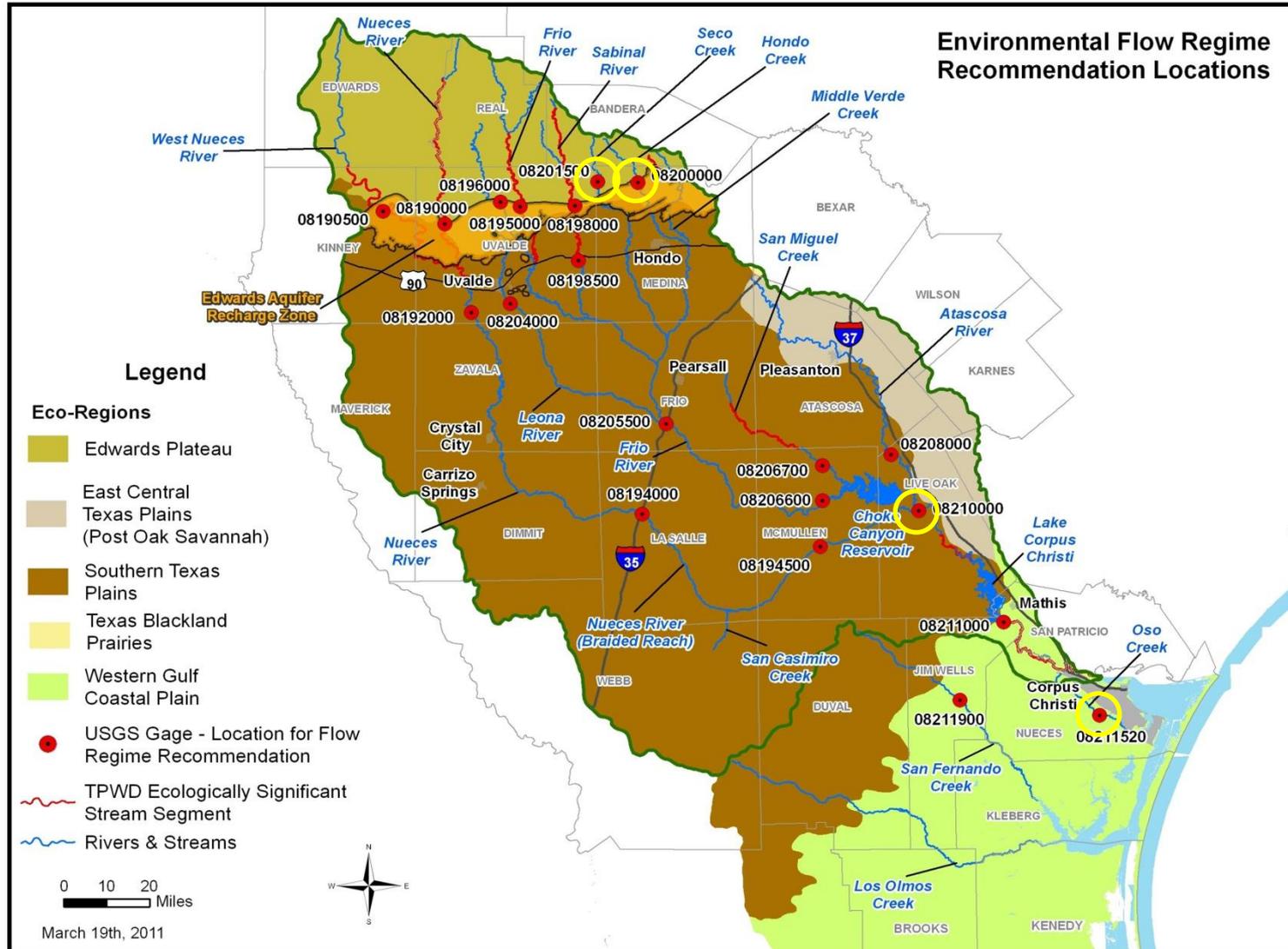
San Fernando Creek at Alice



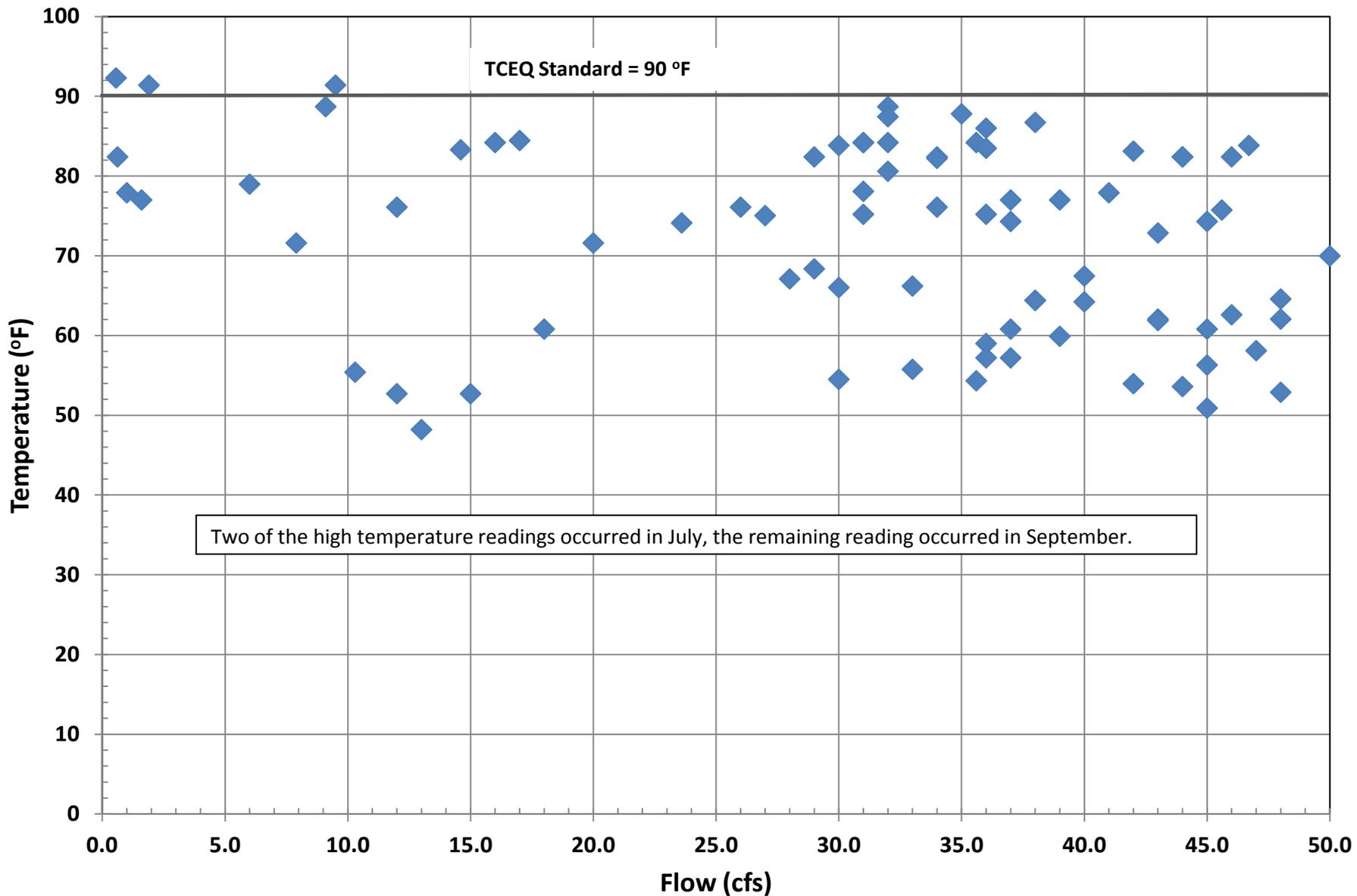
Leona River nr Uvalde



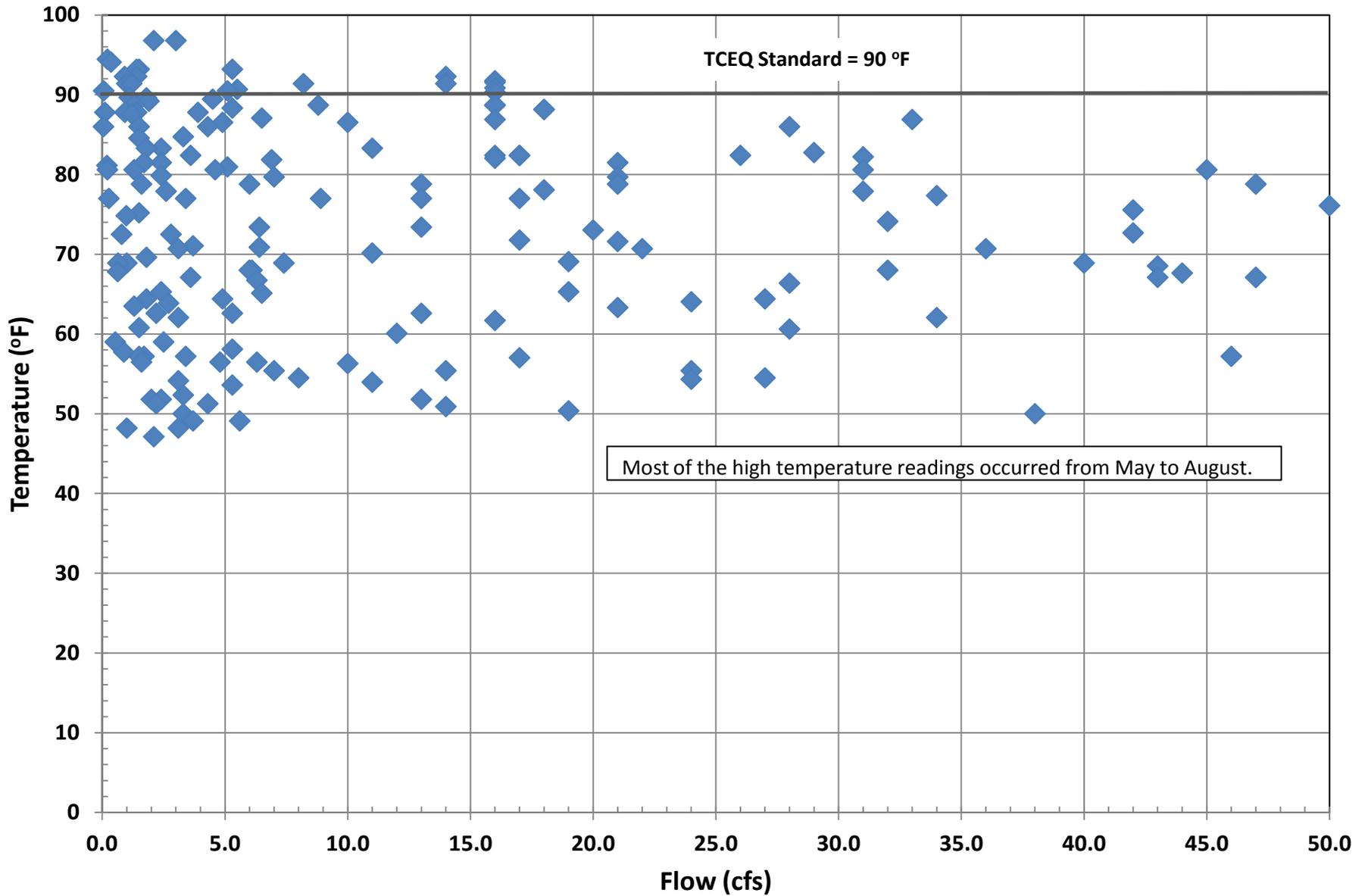
Locations w/ High Temp. Observations



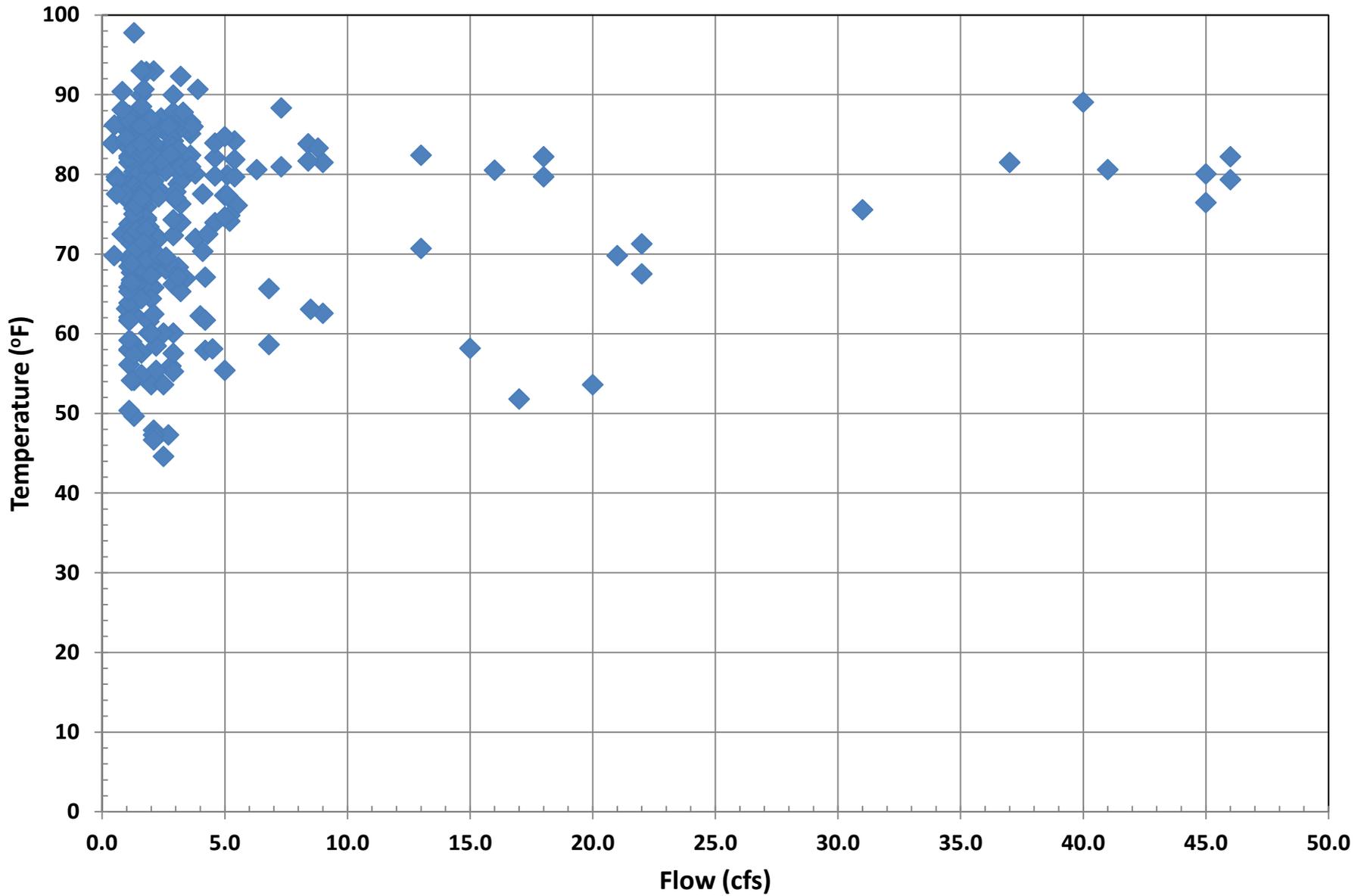
Nueces River nr Three Rivers (post Choke Canyon)



Seco Creek nr Utopia



Oso Creek at Corpus Christi



Notes

- 1) Used USGS average daily streamflow values rather than flow values in SWQMIS due to some clearly erroneous low flow values in SWQMIS.
- 2) Surface water quality standards are not established for Oso Creek.
- 3) Dissolved oxygen (DO) data missing or unavailable for San Miguel Creek.
- 4) Statistically significant relationships between flow and DO or temperature are not apparent.

Notes (cont'd)

- 5) Five of eight stream locations with low DO observations are classified by the Nueces BBEST as intermittent. Q90 for the other three is less than or equal to 1.2 cfs.
- 6) Three of the four stream locations with high temperature observations have Q90 less than or equal to 1.2 cfs. All three high temperature observations at the other stream location (Nueces River nr Three Rivers) occurred between 1982 and 1985, during initial filling of Choke Canyon Reservoir.

Notes (cont'd)

- 7) All subsistence flow recommendations for locations with low DO or high temperature observations are greater than or equal to 1 cfs.

Recommendation

- 1) Nueces BBEST draft final subsistence flow recommendations appear adequate to support existing sound ecological environments at or near the associated gage locations.