

GMA 12

Discussion of Socioeconomic Impact

April 2, 2026

DFC Considerations TWC 36.108(d)

*Aquifer Uses
or Conditions*

*Supply Needs &
Management
Strategies*

*Hydrological
Conditions*

*Environmental
Impacts*

*Subsidence
Impacts*

*Socioeconomic
Impacts*

*Private Property
Rights*

DFC Feasibility

*Other Relevant
Information*

Socioeconomic Analysis

- *Analysis performed by Texas Water Development Board as requested by Regional Water Planning Groups*
 - *Based on water supply needs from Regional Water Plan*
 - *2026 Regional Water Plans*
 - *GMA 12 includes counties within Region C, Region G, Region H and Region K*
- *Discussion Focuses on Income and Job Loss within GMA 12*
 - *County and Groundwater Conservation Districts*
 - *Information is from the TWDB Socioeconomic Impact Analysis Interactive Data Dashboard*
 - *2026 Regional Water Plan Impact Reports are available from the TWDB*
 - *<https://www.twdb.texas.gov/waterplanning/data/analysis/index.asp>*

Socioeconomic Impacts of Projected Water Shortages for the Brazos (Region G) Regional Water Planning Area

Prepared in Support of the 2026 Region G Regional Water Plan

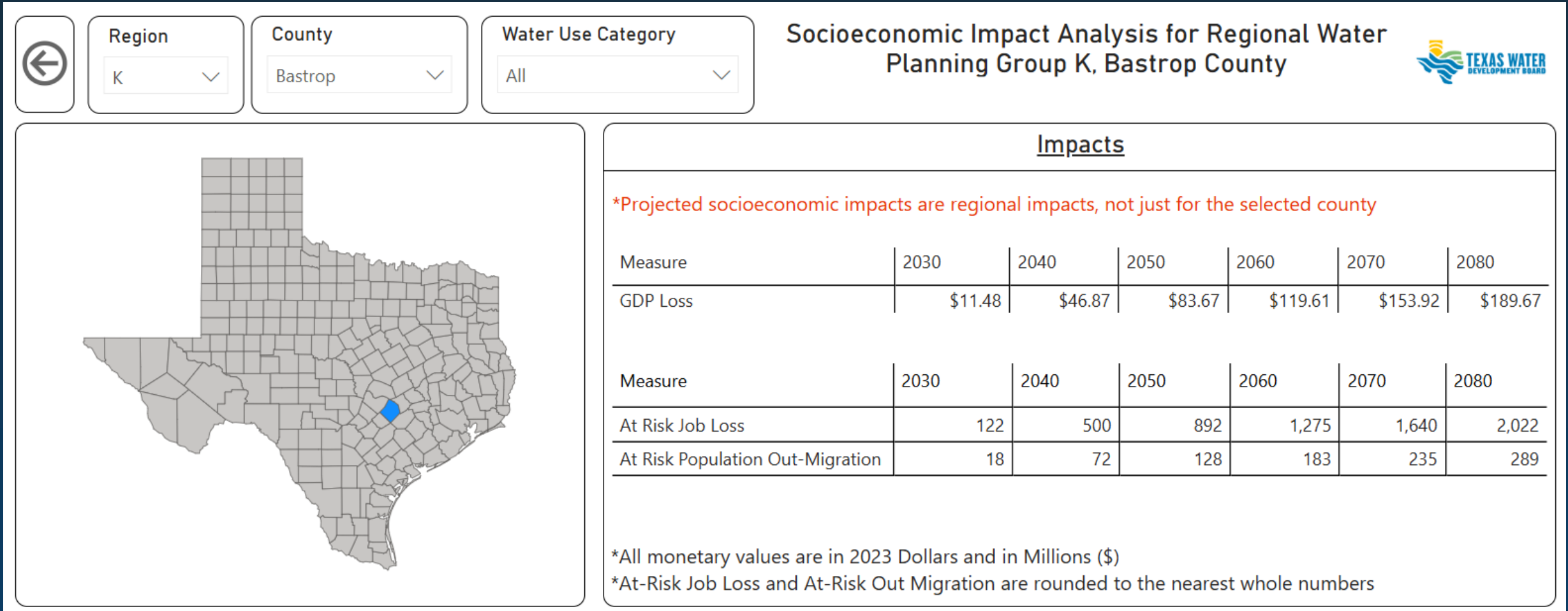


Dr. John R. Ellis

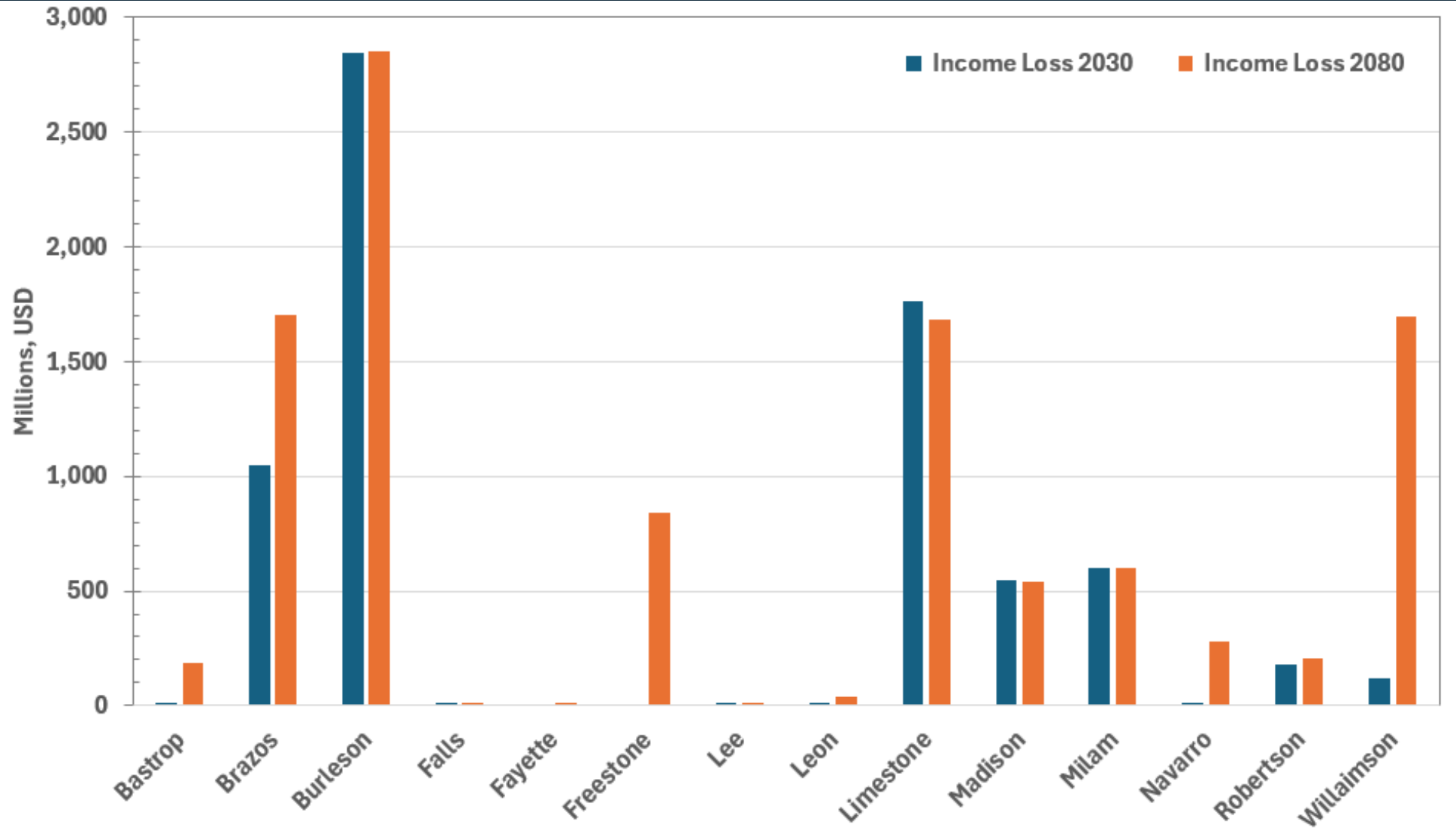
Projections & Socioeconomic Analysis,
Water Supply Planning
Texas Water Development Board

June 2025

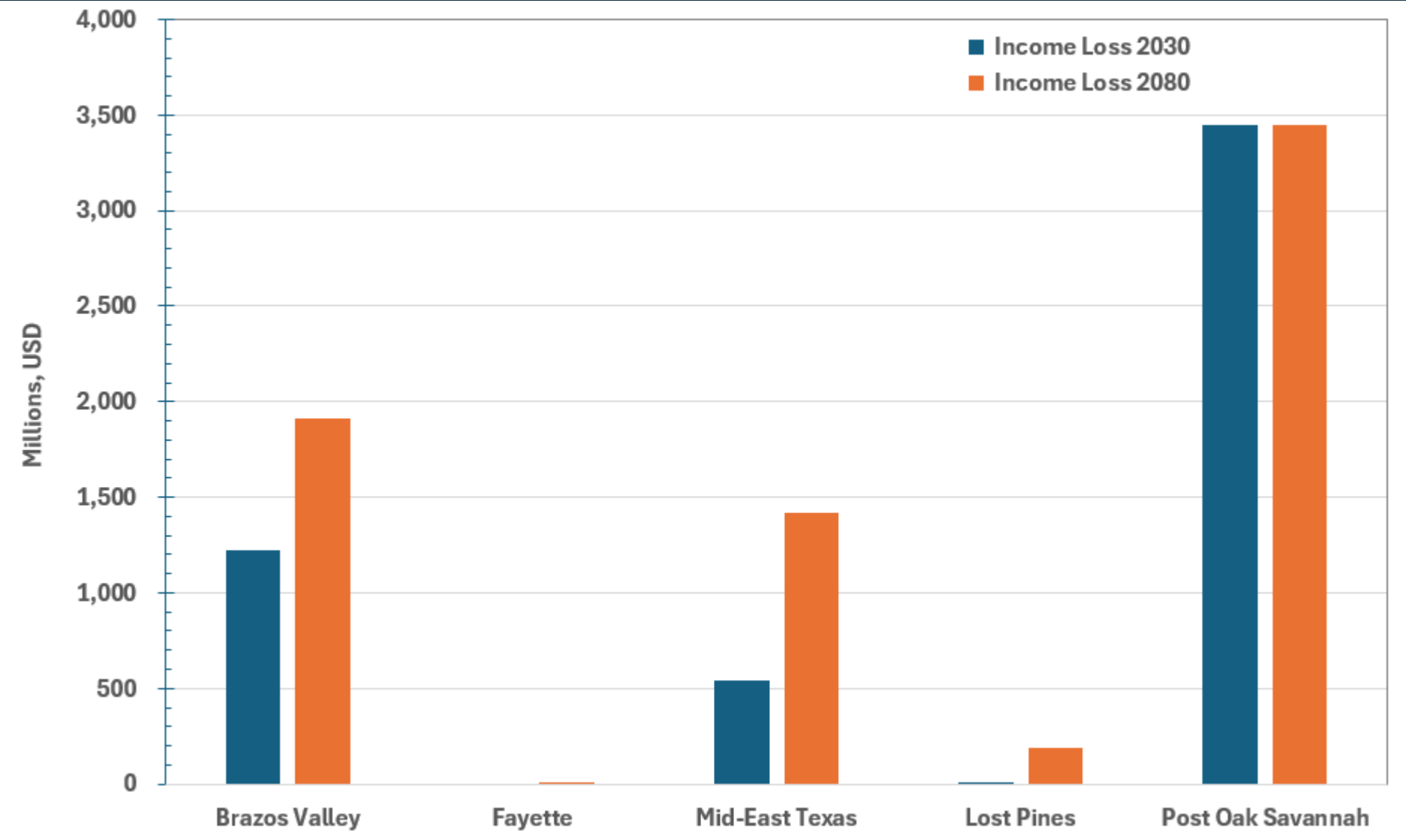
TWDB Interactive Data Dashboard Example



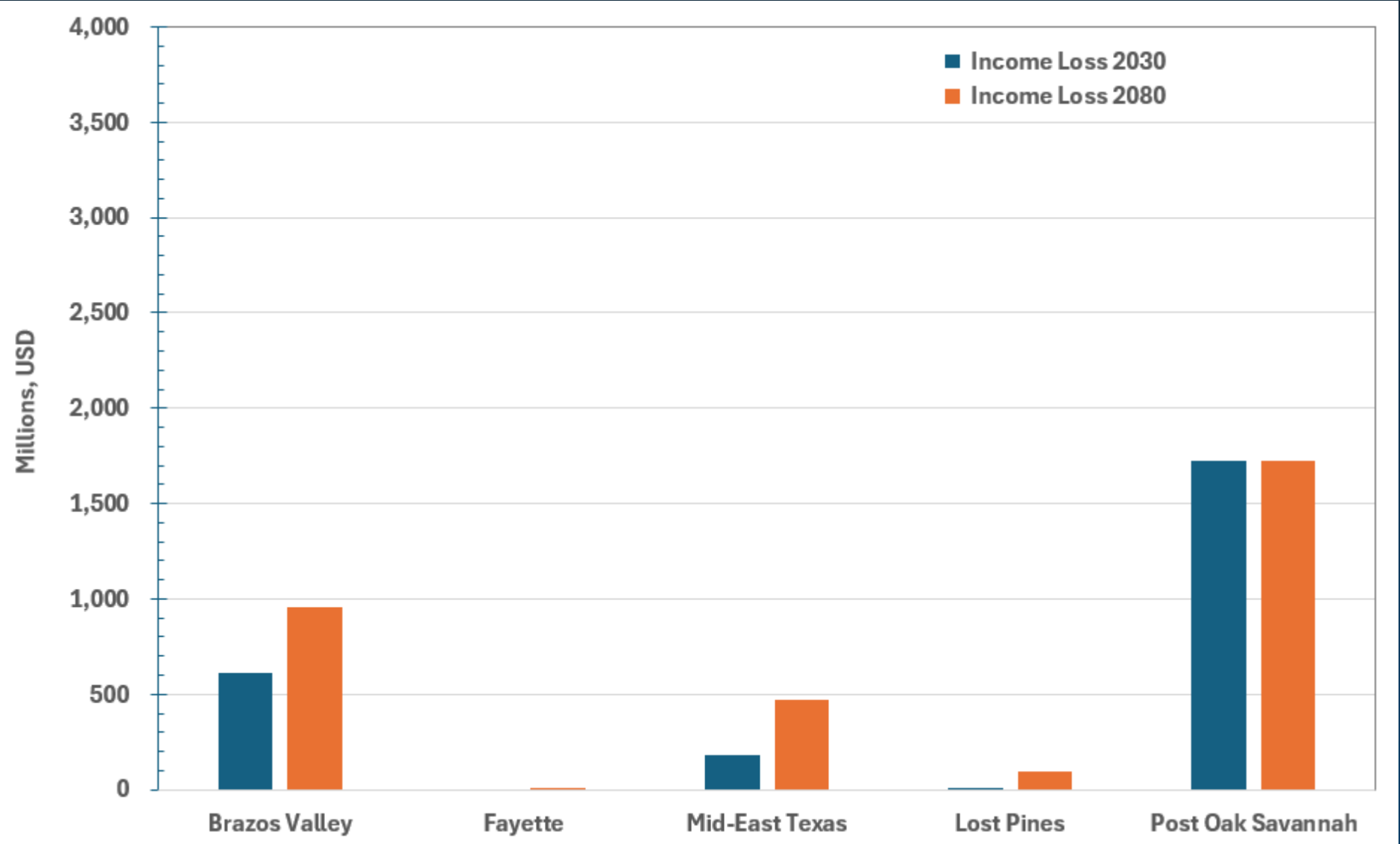
Income Loss by County



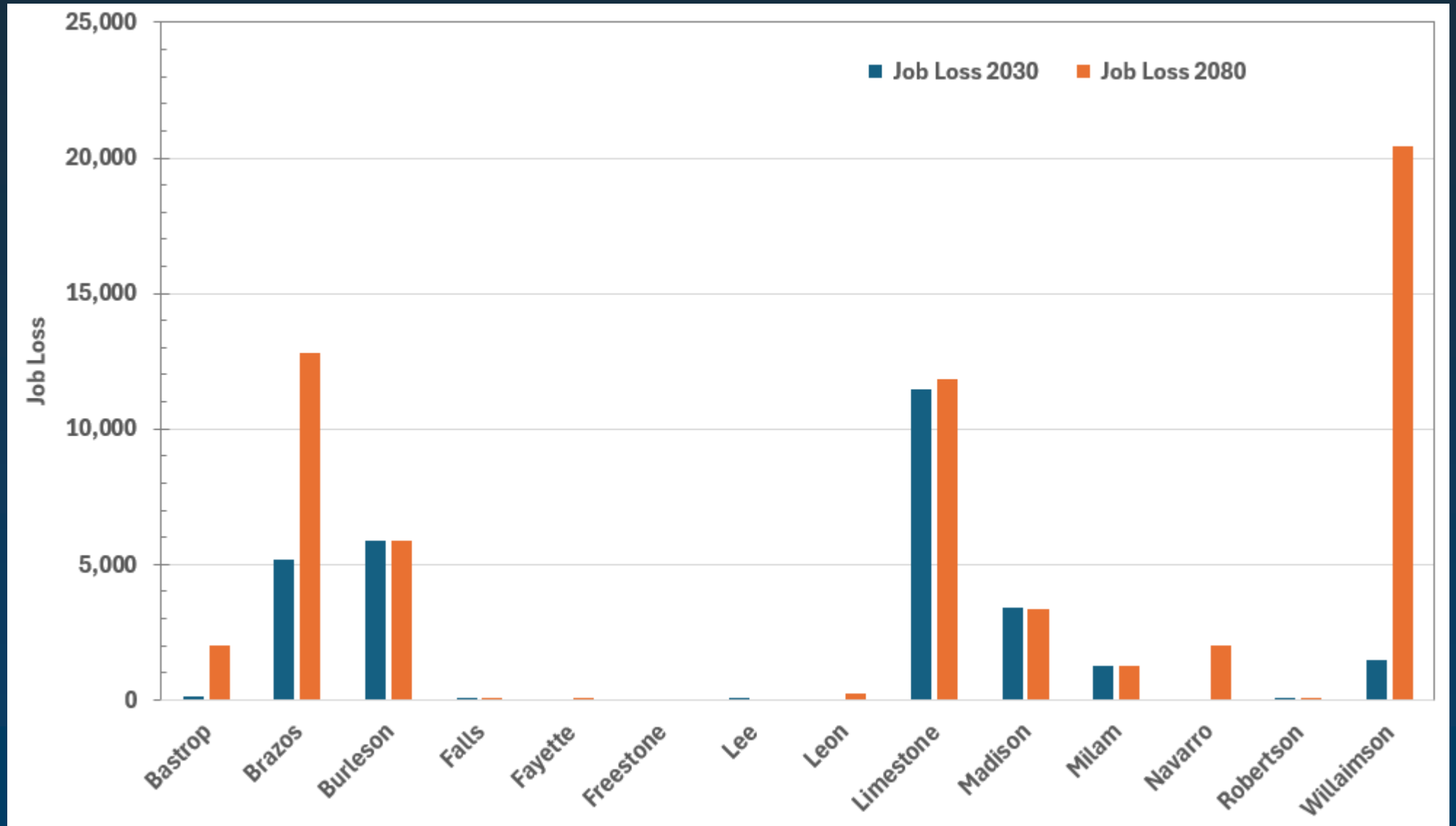
Income Loss by Groundwater Conservation District



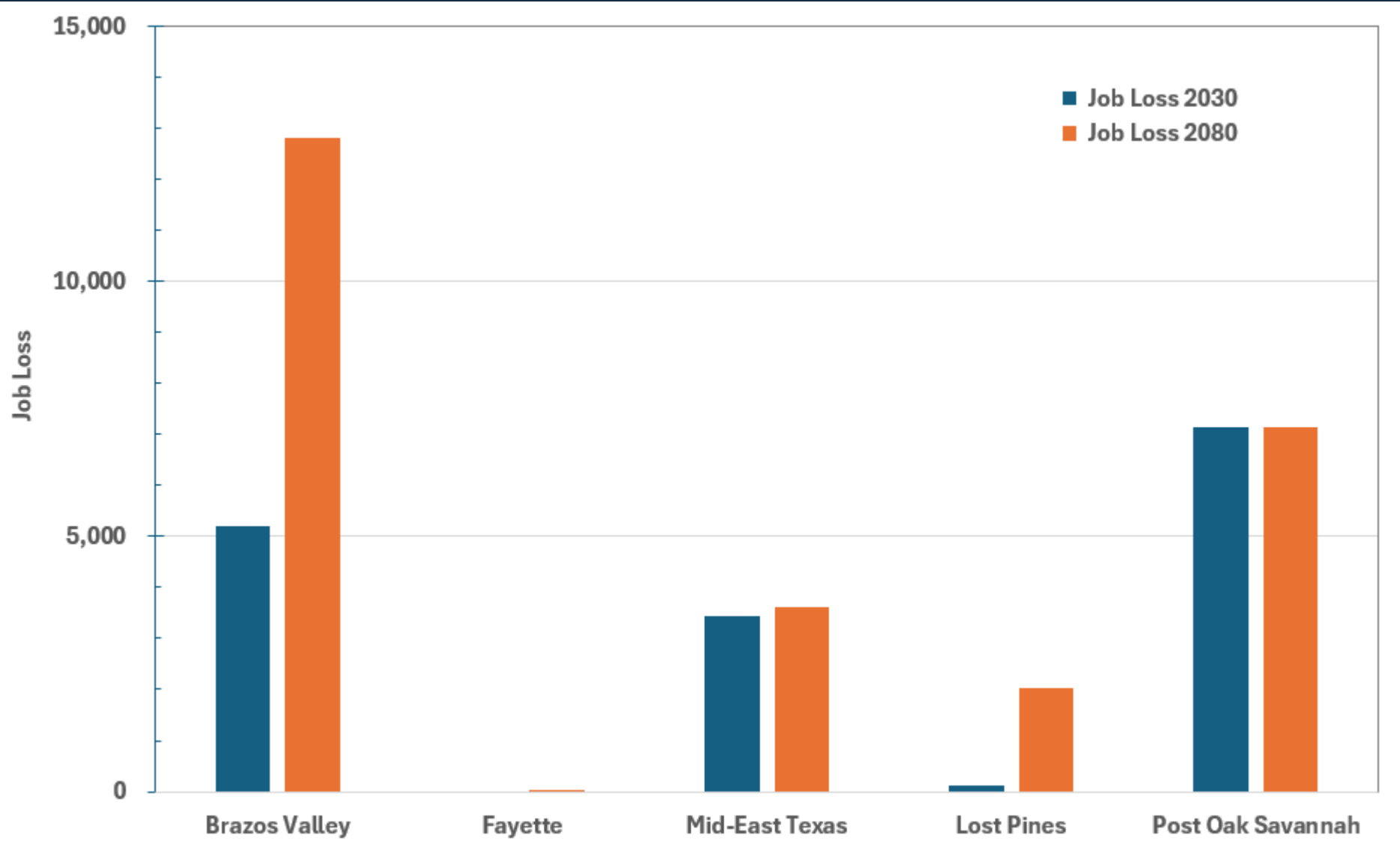
Normalized Income Loss by Groundwater Conservation District



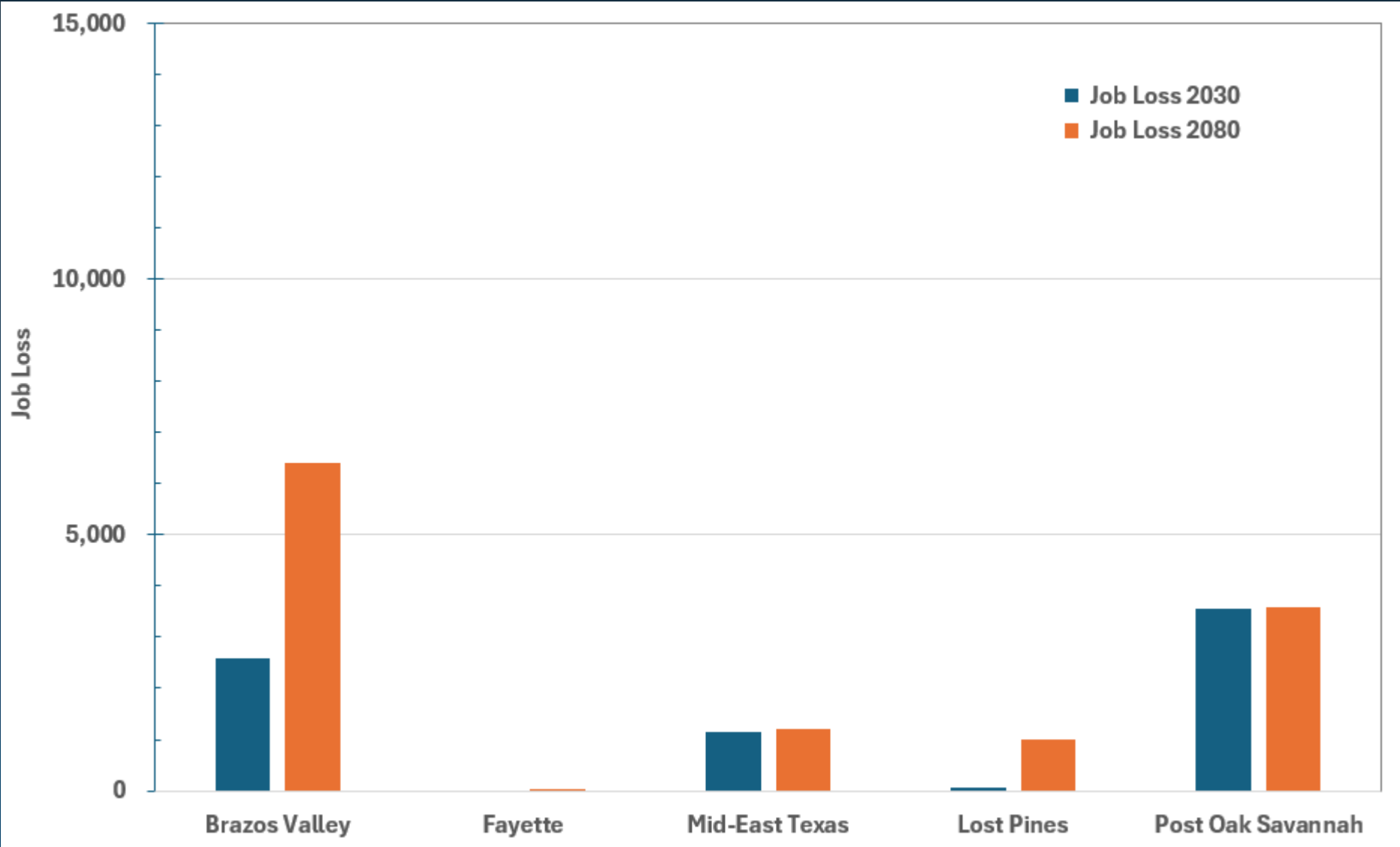
Job Loss by County



Job Loss by Groundwater Conservation District



Normalized Job Loss by Groundwater Conservation District



QUESTIONS?

Support Slides



Region

K



County

Bastrop



Water Use Category

All



Socioeconomic Impact Analysis for Regional Water Planning Group K, Bastrop County



Impacts

*Projected socioeconomic impacts are regional impacts, not just for the selected county

Measure	2030	2040	2050	2060	2070	2080
GDP Loss	\$11.48	\$46.87	\$83.67	\$119.61	\$153.92	\$189.67

Measure	2030	2040	2050	2060	2070	2080
At Risk Job Loss	122	500	892	1,275	1,640	2,022
At Risk Population Out-Migration	18	72	128	183	235	289

*All monetary values are in 2023 Dollars and in Millions (\$)

*At-Risk Job Loss and At-Risk Out Migration are rounded to the nearest whole numbers





Region

G



County

Brazos



Water Use Category

All



Socioeconomic Impact Analysis for Regional Water Planning Group G, Brazos County



Impacts

*Projected socioeconomic impacts are regional impacts, not just for the selected county

Measure	2030	2040	2050	2060	2070	2080
GDP Loss	\$1,048.33	\$1,060.62	\$1,227.77	\$1,376.53	\$1,520.09	\$1,704.87

Measure	2030	2040	2050	2060	2070	2080
At Risk Job Loss	5,160	4,892	6,816	8,706	10,501	12,781
At Risk Population Out-Migration	739	701	976	1,247	1,504	1,830

*All monetary values are in 2023 Dollars and in Millions (\$)

*At-Risk Job Loss and At-Risk Out Migration are rounded to the nearest whole numbers



Region
G

County
Burleson

Water Use Category
All

Socioeconomic Impact Analysis for Regional Water Planning Group G, Burleson County



Impacts

*Projected socioeconomic impacts are regional impacts, not just for the selected county

Measure	2030	2040	2050	2060	2070	2080
GDP Loss	\$2,847.94	\$2,848.08	\$2,848.22	\$2,848.42	\$2,848.64	\$2,848.87

Measure	2030	2040	2050	2060	2070	2080
At Risk Job Loss	5,883	5,884	5,885	5,887	5,889	5,891
At Risk Population Out-Migration	842	843	843	843	843	844

*All monetary values are in 2023 Dollars and in Millions (\$)
*At-Risk Job Loss and At-Risk Out Migration are rounded to the nearest whole numbers





Region

G

County

Falls

Water Use Category

All

Socioeconomic Impact Analysis for Regional Water Planning Group G, Falls County



Impacts

*Projected socioeconomic impacts are regional impacts, not just for the selected county

Measure	2030	2040	2050	2060	2070	2080
GDP Loss	\$0.43	\$0.25	\$0.19	\$0.26	\$0.48	\$0.78

Measure	2030	2040	2050	2060	2070	2080
At Risk Job Loss	6	4	3	4	7	11
At Risk Population Out-Migration	1	1	0	1	1	2

*All monetary values are in 2023 Dollars and in Millions (\$)

*At-Risk Job Loss and At-Risk Out Migration are rounded to the nearest whole numbers



Region

K

County

Fayette

Water Use Category

All

Socioeconomic Impact Analysis for Regional Water Planning Group K, Fayette County



Impacts

*Projected socioeconomic impacts are regional impacts, not just for the selected county

Measure	2030	2040	2050	2060	2070	2080
GDP Loss	\$0.00	\$0.02	\$0.01	\$0.08	\$0.21	\$0.24

Measure	2030	2040	2050	2060	2070	2080
At Risk Job Loss	0	0	0	1	2	3
At Risk Population Out-Migration	0	0	0	0	0	0

*All monetary values are in 2023 Dollars and in Millions (\$)
*At-Risk Job Loss and At-Risk Out Migration are rounded to the nearest whole numbers



Region
C

County
Freestone

Water Use Category
All

Socioeconomic Impact Analysis for Regional Water Planning Group C, Freestone County



Impacts

*Projected socioeconomic impacts are regional impacts, not just for the selected county

Measure	2030	2040	2050	2060	2070	2080
GDP Loss	\$0.00	\$485.46	\$582.00	\$683.09	\$767.58	\$840.35

Measure	2030	2040	2050	2060	2070	2080
At Risk Job Loss	0	0	0	0	0	0
At Risk Population Out-Migration	0	0	0	0	0	0

*All monetary values are in 2023 Dollars and in Millions (\$)
*At-Risk Job Loss and At-Risk Out Migration are rounded to the nearest whole numbers





Region
G

County
Lee

Water Use Category
All

Socioeconomic Impact Analysis for Regional Water Planning Group G, Lee County



Impacts						
*Projected socioeconomic impacts are regional impacts, not just for the selected county						
Measure	2030	2040	2050	2060	2070	2080
GDP Loss	\$0.25	\$0.24	\$0.19	\$0.13	\$0.07	\$0.03
Measure	2030	2040	2050	2060	2070	2080
At Risk Job Loss	4	3	3	2	1	0
At Risk Population Out-Migration	1	0	0	0	0	0
*All monetary values are in 2023 Dollars and in Millions (\$)						
*At-Risk Job Loss and At-Risk Out Migration are rounded to the nearest whole numbers						



Region

H

County

Leon

Water Use Category

All

Socioeconomic Impact Analysis for Regional Water Planning Group H, Leon County



Impacts

*Projected socioeconomic impacts are regional impacts, not just for the selected county

Measure	2030	2040	2050	2060	2070	2080
GDP Loss	\$0.04	\$0.02	\$2.77	\$10.99	\$24.02	\$41.55

Measure	2030	2040	2050	2060	2070	2080
At Risk Job Loss	0	0	17	69	150	259
At Risk Population Out-Migration	0	0	2	10	21	37

*All monetary values are in 2023 Dollars and in Millions (\$)
*At-Risk Job Loss and At-Risk Out Migration are rounded to the nearest whole numbers



Region

G



County

Limestone

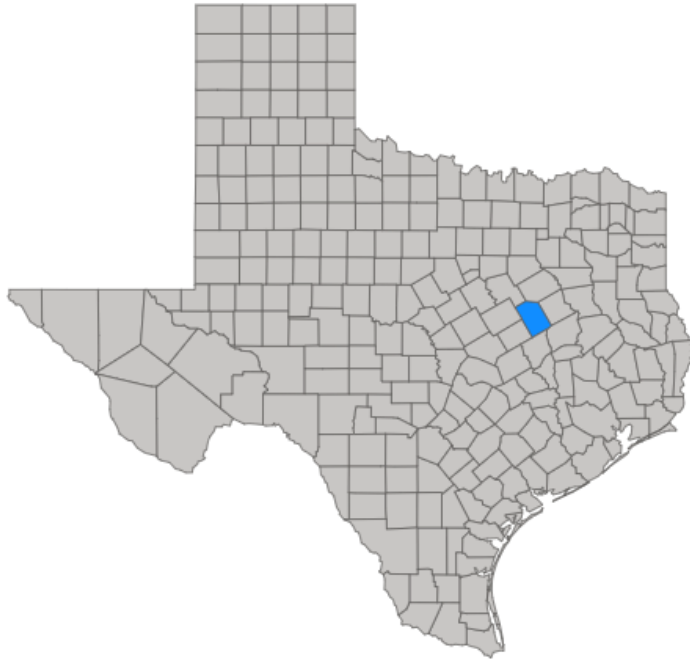


Water Use Category

All



Socioeconomic Impact Analysis for Regional Water Planning Group G, Limestone County



Impacts

*Projected socioeconomic impacts are regional impacts, not just for the selected county

Measure	2030	2040	2050	2060	2070	2080
GDP Loss	\$1,760.16	\$1,805.63	\$1,851.91	\$1,888.69	\$1,624.38	\$1,685.05

Measure	2030	2040	2050	2060	2070	2080
At Risk Job Loss	11,454	11,789	12,127	12,407	11,391	11,825
At Risk Population Out-Migration	1,640	1,688	1,737	1,777	1,631	1,693

*All monetary values are in 2023 Dollars and in Millions (\$)

*At-Risk Job Loss and At-Risk Out Migration are rounded to the nearest whole numbers



Region

H



County

Madison



Water Use Category

All



Socioeconomic Impact Analysis for Regional Water Planning Group H, Madison County



Impacts

*Projected socioeconomic impacts are regional impacts, not just for the selected county

Measure	2030	2040	2050	2060	2070	2080
GDP Loss	\$544.65	\$539.67	\$539.55	\$539.56	\$539.56	\$539.57

Measure	2030	2040	2050	2060	2070	2080
At Risk Job Loss	3,425	3,371	3,369	3,369	3,369	3,369
At Risk Population Out-Migration	490	483	482	482	482	482

*All monetary values are in 2023 Dollars and in Millions (\$)

*At-Risk Job Loss and At-Risk Out Migration are rounded to the nearest whole numbers





Region

G



County

Milam



Water Use Category

All



Socioeconomic Impact Analysis for Regional Water Planning Group G, Milam County



Impacts

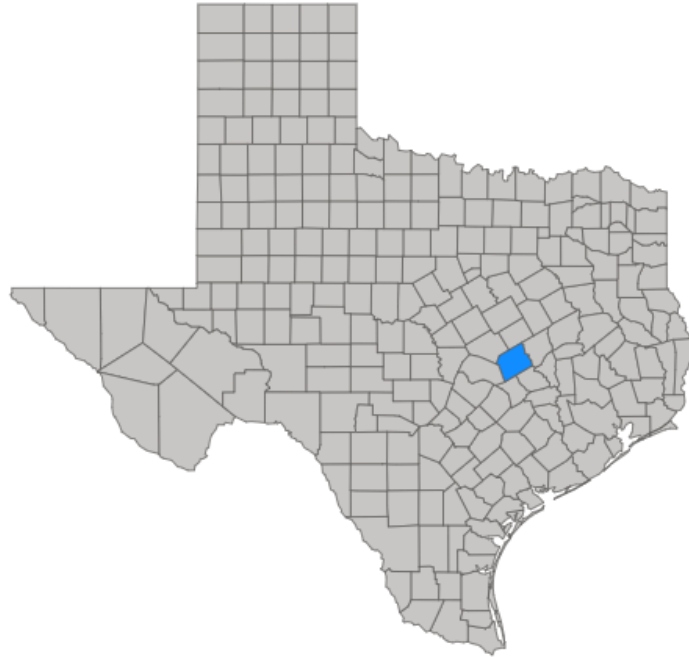
*Projected socioeconomic impacts are regional impacts, not just for the selected county

Measure	2030	2040	2050	2060	2070	2080
GDP Loss	\$598.91	\$602.19	\$598.52	\$597.22	\$598.32	\$599.29

Measure	2030	2040	2050	2060	2070	2080
At Risk Job Loss	1,248	1,257	1,252	1,252	1,258	1,263
At Risk Population Out-Migration	179	180	179	179	180	181

*All monetary values are in 2023 Dollars and in Millions (\$)

*At-Risk Job Loss and At-Risk Out Migration are rounded to the nearest whole numbers





Region

C

County

Navarro

Water Use Category

All

Socioeconomic Impact Analysis for Regional Water Planning Group C, Navarro County



Impacts

*Projected socioeconomic impacts are regional impacts, not just for the selected county

Measure	2030	2040	2050	2060	2070	2080
GDP Loss	\$0.01	\$0.03	\$14.36	\$59.90	\$138.83	\$282.57

Measure	2030	2040	2050	2060	2070	2080
At Risk Job Loss	0	0	104	435	1,007	1,982
At Risk Population Out-Migration	0	0	15	62	144	284

*All monetary values are in 2023 Dollars and in Millions (\$)

*At-Risk Job Loss and At-Risk Out Migration are rounded to the nearest whole numbers



Region

G



County

Robertson



Water Use Category

All



Socioeconomic Impact Analysis for Regional Water Planning Group G, Robertson County



Impacts

*Projected socioeconomic impacts are regional impacts, not just for the selected county

Measure	2030	2040	2050	2060	2070	2080
GDP Loss	\$178.10	\$183.07	\$188.19	\$193.35	\$198.55	\$203.63

Measure	2030	2040	2050	2060	2070	2080
At Risk Job Loss	33	32	34	37	39	40
At Risk Population Out-Migration	5	5	5	5	6	6

*All monetary values are in 2023 Dollars and in Millions (\$)

*At-Risk Job Loss and At-Risk Out Migration are rounded to the nearest whole numbers

Williamson County Difference in Reported 2030 / 2080 Income Loss and Job Loss

Region

G

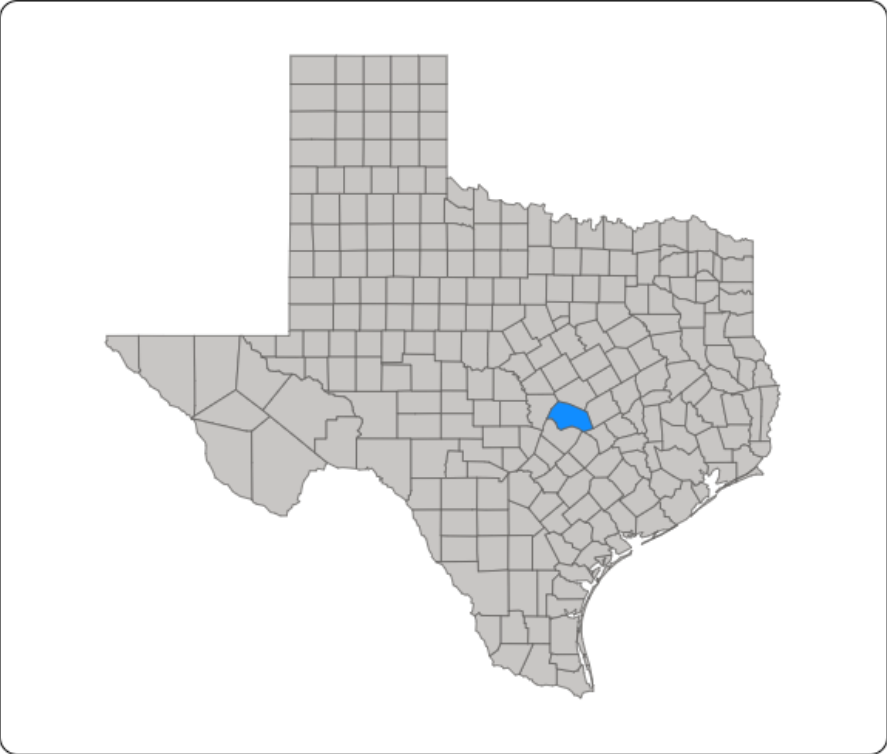
County

Williamson

Water Use Category

All

Socioeconomic Impact Analysis for Regional Water Planning Group G, Williamson County



Impacts						
*Projected socioeconomic impacts are regional impacts, not just for the selected county						
Measure	2030	2040	2050	2060	2070	2080
GDP Loss	\$180.67	\$519.73	\$814.83	\$1,071.18	\$1,365.71	\$1,644.60
Measure	2030	2040	2050	2060	2070	2080
At Risk Job Loss	2,065	6,664	10,629	14,003	17,920	21,633
At Risk Population Out-Migration	296	954	1,522	2,005	2,566	3,098
*All monetary values are in 2023 Dollars and in Millions (\$)						
*At-Risk Job Loss and At-Risk Out Migration are rounded to the nearest whole numbers						

Source: Socioeconomic Impacts of Projected Water Shortages Brazos (Region G) Regional Water Planning Area, TWDB (Ellis) June 2025

County	Income losses (\$ millions)						At risk job losses					
	2030	2040	2050	2060	2070	2080	2030	2040	2050	2060	2070	2080
Williamson	\$ 118.98	\$ 432.93	\$ 703.14	\$ 929.36	\$ 1,194.11	\$ 1,445.38	1,693	6,124	9,939	13,132	16,869	20,416