

Brazos Bay and Basin Expert Science Team

Reservoir Projects Evaluated by the Brazos G Regional Water Planning Group

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I was asked to prepare a list of reservoir projects considered by the Brazos G Regional Water Planning Group for the 2011 Plan. The planning group evaluated 10 on-channel reservoir projects, varying in size from 6,560 acre-feet to 2,044,563 acre-feet. Table 1 is a list of the projects with some descriptive information, including comments regarding the relative sensitivity of each project. Figure 1 is a map from the Brazos G Plan showing the locations of the projects. Note that the Gibbons Creek project is not included in the table, but is shown on the map. The Gibbons Creek project is a dam enlargement project, not a new reservoir.

Table 1.
Reservoirs Evaluated by the Brazos G Regional Water Planning Group

<i>Reservoir</i>	<i>Stream</i>	<i>Capacity (acft)</i>	<i>Yield (acft/yr)</i>	<i>Comments</i>
Cedar Ridge	Clear Fork	227,127	23,380 (safe)	Currently being pursued by the City of Abilene. Recommend not using as a candidate site for analysis due to potential conflicting numbers that may arise during permitting of the project.
South Bend	Brazos River	771,604	64,500	Not currently being pursued by anyone. Project yield depends on system operation with Possum Kingdom. The project's vicinity to Possum Kingdom probably precludes it as a candidate site.
Throckmorton	North Elm Creek	15,900	1,500 (safe)	Tributary of the Brazos River upstream of South Bend. Could be used, but a small project and would probably have little impact on Brazos River flows.
Double Mtn. Fork (West)	Double Mtn. Fork	215,254	34,775 (safe)	No project sponsor and is not a recommended water management strategy. <u>Upstream</u> from DMF Aspermont gage. Good candidate.
Double Mtn. Fork (East)	Double Mtn. Fork	280,814	36,025 (safe)	No project sponsor and is not a recommended water management strategy. <u>Downstream</u> from DMF Aspermont gage. Good candidate. Brazos at Seymour gage is some distance downstream.
Turkey Peak	Palo Pinto Creek	22,577	7,600 (safe)	Poor candidate. Project currently being pursued by the Palo Pinto County MWD. This project is essentially an enlargement of Lake Palo Pinto to its authorized capacity.
Little River (310 ft-msl)	Little River	321,000	71,275	Good candidate. No one pursuing.
Little River (330 ft-msl)	Little River	877,770	119,940	Good candidate. No one pursuing.
Millican-Bundic	Navasota River	205,760	36,990	Good candidate. No one pursuing.
Millican-Panther Creek	Navasota River	2,044,563	194,500	Good candidate. No one pursuing.
Brushy Creek	Brushy Creek	6,560	2,090	Small project on tributary. Pretty far removed from downstream gage (Brazos at Bryan).

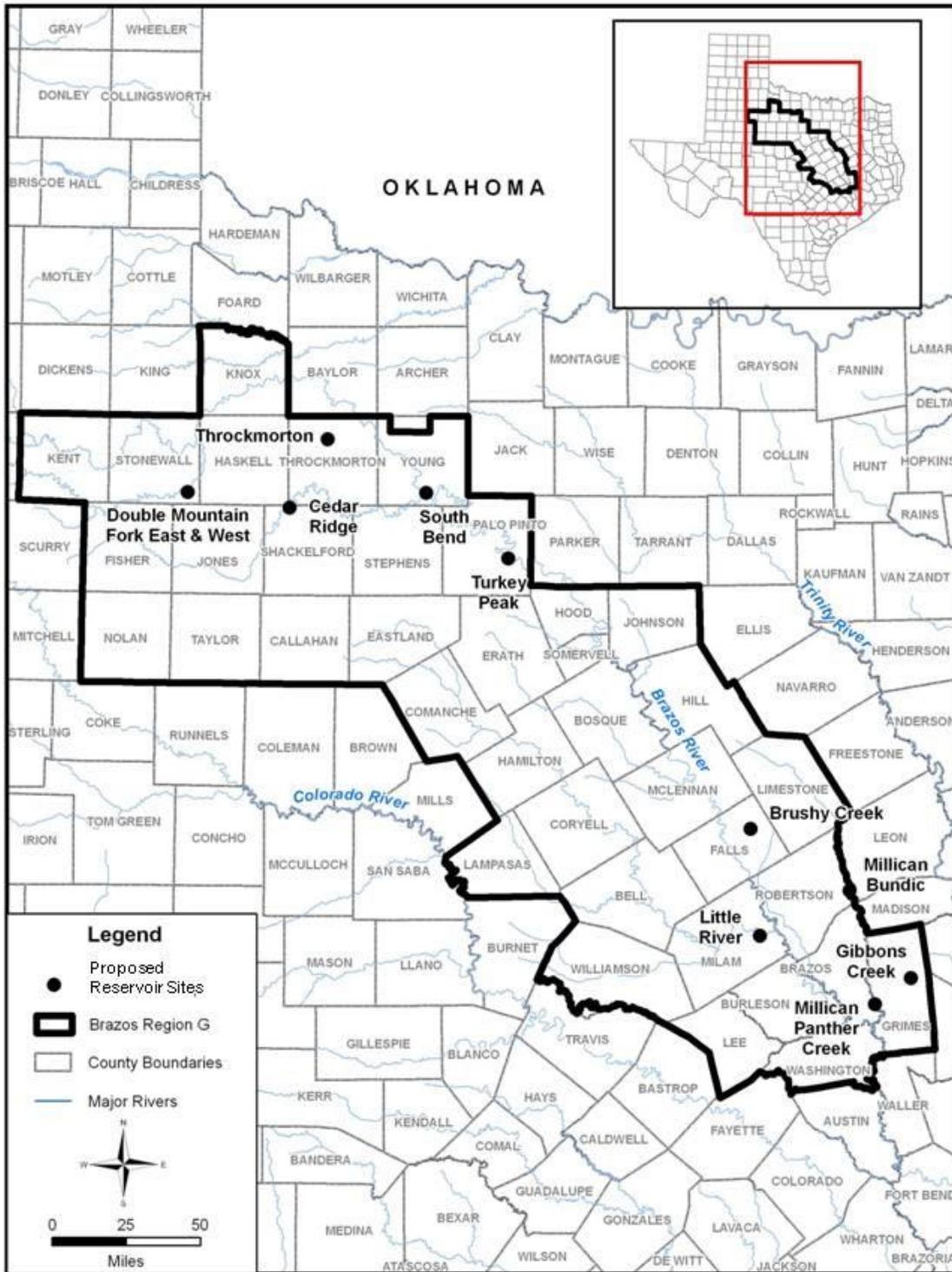


Figure 1. On-Channel Reservoirs Evaluated by the Brazos G RWPG (from 2011 Brazos G Plan)