

Table 1. Most-likely-scenario population projections for counties in the North Texas Study Area.
(Source: 1996 Consensus Texas Water Plan)

County	1990	2000	2010	2020	2030	2040	2050
Archer	7973	8185	8453	8494	8428	8243	7969
Baylor	4385	4110	3929	3420	3025	2921	2822
Childress	5953	6085	6398	6596	6784	6995	7219
Clay	10024	9610	9305	8758	7917	7056	6195
Collingsworth	3573	3544	3627	3726	3743	3735	3715
Cottle	2247	2139	2076	1958	1812	1638	1476
Dickens	2571	2555	2580	2565	2562	2547	2514
Fisher	4842	4842	4684	4617	4397	4213	4007
Foard	1794	1741	1736	1731	1667	1604	1513
Hall	3905	3716	3666	3599	3482	3366	3270
Hardeman	5283	5265	5382	5550	5650	5749	5828
Haskell	6820	6736	6881	7087	7297	7514	7769
Jack	6981	7148	7530	7896	8358	8865	9352
Jones	16490	17113	18100	18935	19809	20618	21557
Kent	1010	979	976	906	819	735	635
King	354	362	350	325	270	213	165
Knox	4837	4905	5134	5339	5512	5617	5731
Motley	1532	1474	1416	1322	1229	1106	967
Palo Pinto	25055	26661	28449	30123	31886	33052	34741
Shackelford	3316	3252	3248	3179	2955	2709	2459
Stephens	9010	9152	9306	9314	9207	9077	8954
Stonewall	2013	2017	2021	1986	1918	1823	1725
Throckmorton	1880	1857	1851	1810	1737	1655	1577
Wichita	122378	130193	136455	142350	145473	147740	146874
Wilbarger	15121	15515	16069	16649	16982	17093	17103
Young	18126	18012	17997	17849	17699	17550	17225
Totals	287473	297168	307619	316084	320618	323434	323362

Table 2. Most-likely-scenario population projections for six counties in the Dallas-Fort Worth Metroplex Area. (Source: 1996 Consensus Texas Water Plan)

County	1990	2050
Collin	264036	1162482
Dallas	1852810	3259995
Denton	273525	1135566
Kaufman	52220	112964
Rockwall	25604	203530
Tarrant	1170103	2205610
Totals	3638298	8080147

Table 3. Estimates of land cover/use area (thousands of acres) for counties in the North Texas Study Area. (Source: Natural Resources Conservation Service, Texas Summary Report, 1992 National Resources Inventory)

County	Cropland		Federal Land	Misc./ Minor	Pasture Land	Range Land	Urban Land	Water		Totals
	Cultivated	Noncult.						Large	Small	
Archer	95.8	0	0.2	6	9.2	456.4	5.5	10.7	2.5	592.7
Baylor	167.4	0	0	9	9.9	353	4.3	24.8	3.5	576.5
Childress	133.2	0	0	69	0	238.4	2.5	4.8	1.3	457.3
Clay	136.7	0	0	3.9	43.3	481.1	11.3	13.9	7.9	708.6
Collingsworth	162.5	10.2	0	67.9	15.2	323	0.2	0	3.7	588.7
Cottle	104.2	0	0	73.5	5.3	377.9	0.2	3.8	8.2	576.8
Dickens	99.3	10.6	0	49	7.7	405.7	0.3	0.2	1.4	580.2
Fisher	241.7	5.3	0	57.3	12.8	241.2	3.3	2	5.3	575.8
Foard	94.2	1.6	0	67.5	0	282.1	0	0	2.8	452.1
Hall	157.1	2.6	0	84	0	327.1	0.2	0.5	0.2	578
Hardeman	163.9	2.8	0	68.5	1.9	187.6	5.3	4.4	3.2	444.7
Haskell	314.1	0	0	42.9	2.4	200.9	5.8	7.9	0.7	584.5
Jack	35.7	0	0	2	42.7	493.4	6.4	1	2.1	589.2
Jones	303.1	0	0	66.2	18.3	186.7	6.5	5.3	1.1	597.2
Kent	58.8	0	0	31.6	0	474.3	0	0	7.4	576.1
King	56.5	0	0	13.7	2.6	505.1	0.2	0.1	3.1	584.9
Knox	220.3	0	4	52.5	2.5	243.6	6.5	7.3	4.4	547.4
Motley	48.2	0	0	38.5	15.8	523.2	0	0.1	4	633.5
Palo Pinto	36.1	0	0.4	2.5	58.5	472.5	25.5	23.5	3.8	630.9
Shackelford	28.2	0	0	5.5	9.9	533.9	0.4	0.3	3.1	585.8
Stephens	33.3	0	0	0.8	4.8	521.8	6.3	14.4	1.9	589.8
Stonewall	132.5	0	0	59.9	7.9	377.6	1.9	0.5	5.6	592.6
Throckmorton	86.8	0	0	1.2	1.1	488.4	0	1.9	1.9	585.7
Wichita	158.9	0	4.2	5.8	14.7	151.7	38.9	2.9	3	391.9
Wilbarger	216.2	11.5	0	44.6	41	285.6	0.1	1.9	3.8	612.9
Young	180	2.1	0	4.5	15.9	363	9.8	7.5	4.9	595.4
Totals	3464.7	46.7	8.8	927.8	343.4	9495.2	141.4	139.7	90.8	14829.2

The Miscellaneous/minor use class includes Conservation Reserve Program acreage; Water small is streams < 660 feet wide and water bodies < 40 acres; Water large is streams >= 660 feet wide and water bodies >= 40 acres; Other is transportation infrastructure.

Table 4. Distribution and estimated size (in 1980) of springs and seeps for counties in the North Texas Study Area. (Source: Brune 1981)

County	Medium large	Medium	Small	Very small	Seep	Former	Totals
Archer	0	0	1	4	7	2	14
Baylor	0	0	7	3	9	0	19
Childress	1	3	0	7	2	10	23
Clay	0	0	3	3	8	7	21
Collingsworth	2	9	2	3	0	1	17
Cottle	4	1	1	2	8	0	16
Dickens	0	1	9	4	7	2	23
Fisher	nd	nd	nd	nd	nd	nd	nd
Foard	0	2	10	1	1	0	14
Hall	0	0	1	3	4	9	17
Hardeman	0	1	0	5	1	9	16
Haskell	0	1	1	4	6	3	15
Jack	0	5	6	4	6	0	21
Jones	nd	nd	nd	nd	nd	nd	nd
Kent	0	0	2	3	6	1	12
King	2	1	3	3	4	5	18
Knox	0	3	5	4	11	2	25
Motley	1	1	5	3	2	2	14
Palo Pinto	nd	nd	nd	nd	nd	nd	nd
Shackelford	nd	nd	nd	nd	nd	nd	nd
Stephens	nd	nd	nd	nd	nd	nd	nd
Stonewall	0	1	4	8	3	4	20
Throckmorton	nd	nd	nd	nd	nd	nd	nd
Wichita	0	0	1	8	0	4	13
Wilbarger	0	0	1	3	2	3	9
Young	0	0	7	9	5	2	23
Totals	10	29	69	84	92	66	350

Codes:

- Medium large = 28 - 280 cfs
- Medium = 2.8 - 28 cfs
- Small = 0.28 - 2.8 cfs
- Very small = 0.028 - 0.28 cfs
- Seep = less than 0.028 cfs
- Former = no flow or inundated
- nd = no data

Table 5. Freshwater mussels (Family Unionidae) and Asian clam reported from the Wichita, Little Wichita, Pease and Brazos rivers in the North Texas Study Area. (Source: Howells 1997a, b)

Species	Common Name	Location			
		Wichita	Little Wichita	Pease	Brazos
<i>Cyrtonaias tampicoensis</i>	Tampico pearlymussel				X
<i>Lampsilis teres</i>	Yellow sandshell	X	X		
<i>Leptodea fragilis</i>	Fragile papershell	X	X		X
<i>Potamilus ohioensis</i>	Pink papershell	X	X	X	X
<i>Pyganodon grandis</i>	Giant floater	X	X		X
<i>Quadrula</i> sp.	Mapleleaf sp.	X	X		
<i>Toxolasma parvus</i>	Lilliput		X		
<i>Truncilla macrodon</i>	Texas fawnsfoot				X
<i>Unio merus tetralasmus</i>	Pondhorn	X	X	X	
<i>Utterbackia imbecillis</i>	Paper pondshell	X	X		
<i>Corbicula fluminea</i>	Asian clam	X	X	X	X

Table 6. TPWD field collections from 15 sites on the Brazos River system, excluding impoundments, in the North Texas Study Area. (Source: Moss and Mayes 1993).

Species	Common Name	Salt Fk.	Double Mt. Fk.	Clear Fk.	Brazos
Lepisosteidae	Gars				
<i>Lepisosteus osseus</i>	Longnose gar				X
Clupeidae	Herrings				
<i>Dorosoma cepedianum</i>	Gizzard shad			X	X
<i>D. petenense</i>	Threadfin shad				X
Cyprinidae	Minnnows, Carps				
<i>Cyprinella lutrensis</i>	Red shiner	X	X	X	X
<i>C. venustus</i>	Blacktail shiner				X
<i>Cyprinus carpio</i>	Common carp				X
<i>Hybognathus placitus</i>	Plains minnow	X	X		X
<i>Macrhybopsis aestivalis</i>	Speckled chub	X	X		X
<i>M. storeriana</i>	Silver chub				X
<i>Notropis buccula</i>	Smalleye shiner	X	X		X
<i>N. oxyrhynchus</i>	Sharpnose shiner	X	X		X
<i>N. potteri</i>	Chub shiner		X		X
<i>Pimephales vigilax</i>	Bullhead minnow				X
Catostomidae	Suckers				
<i>Carpiodes carpio</i>	River carpsucker	X	X		X
Ictaluridae	Catfishes				
<i>Ameiurus melas</i>	Black bullhead		X	X	X
<i>Ictalurus punctatus</i>	Channel catfish			X	X
Cyprinodontidae	Killifishes				
<i>Cyprinodon rubrofluviatilis</i>	Red River pupfish	X	X		X
<i>Fundulus zebrinus</i>	Plains killifish	X	X		X
Poeciliidae	Livebearers				
<i>Gambusia affinis</i>	Western mosquitofish	X	X	X	X
Atherinidae	Silversides				
<i>Labidesthes sicculus</i>	Brook silverside				X
<i>Menidia beryllina</i>	Inland silverside		X		X
Percichthyidae	Temperate Basses				
<i>Morone chrysops</i>	White bass				X
Centrarchidae	Sunfishes				
<i>Lepomis cyanellus</i>	Green sunfish		X	X	X
<i>L. humilis</i>	Orangespotted sunfish			X	X
<i>L. macrochirus</i>	Bluegill			X	X
<i>L. megalotis</i>	Longear sunfish			X	X
<i>Micropterus punctulatus</i>	Spotted bass				X
<i>M. salmoides</i>	Largemouth bass		X		X
<i>Pomoxis nigromaculatus</i>	Black crappie			X	
Percidae	Darters				
<i>Percina carbonaria</i>	Texas logperch				X
Sciaenidae	Drums				
<i>Aplodinotus grunniens</i>	Freshwater drum				X

Table 7. Summary of recent field collections from the Red River system, excluding impoundments, in the North Texas Study Area. (Sources: Moss and Mayes 1993, Wilde et al. 1996, Findeisen and Howell 1998)

Species	Common Name	Pease R.	PDT+Salt Fks.	Wichita R.	Red R.
Lepisosteidae	Gars				
<i>Lepisosteus oculatus</i>	Spotted gar			X	X
<i>L. osseus</i>	Longnose gar		X	X	X
<i>L. platostomus</i>	Shortnose gar			X	X
Clupeidae	Herrings				
<i>Dorosoma cepedianum</i>	Gizzard shad	X	X	X	X
Cyprinidae	Minnnows, Carps				
<i>Campostoma anomalum</i>	Central stoneroller				X
<i>Cyprinella lutrensis</i>	Red shiner	X	X	X	X
<i>C. venustus</i>	Blacktail shiner				X
<i>Cyprinus carpio</i>	Common carp	X	X	X	X
<i>Hybognathus nuchalis</i>	Miss. silvery minnow	X	X		X
<i>H. placitus</i>	Plains minnow	X	X	X	X
<i>Macrhybopsis aestivalis</i>	Speckled chub	X	X	X	X
<i>M. storeriana</i>	Silver chub		X		X
<i>Notemigonus crysoleucas</i>	Golden shiner				X
<i>Notropis atherinoides</i>	Emerald shiner				X
<i>N. bairdi</i>	Red River shiner	X		X	X
<i>N. buchanaani</i>	Ghost shiner			X	X
<i>N. potteri</i>	Chub shiner				X
<i>N. stramineus</i>	Sand shiner			X	X
<i>Phenacobius mirabilis</i>	Suckermouth minnow	X		X	X
<i>Pimephales notatus</i>	Bluntnose minnow				X
<i>P. promelas</i>	Fathead minnow	X		X	X
<i>P. vigilax</i>	Bullhead minnow	X		X	X
Catostomidae	Suckers				
<i>Carpiodes carpio</i>	River carpsucker	X	X	X	X
<i>Ictiobus bubalus</i>	Smallmouth buffalo		X	X	X
Ictaluridae	Catfishes				
<i>Ameiurus melas</i>	Black bullhead	X	X	X	X
<i>A. natalis</i>	Yellow bullhead		X		X
<i>Ictalurus furcatus</i>	Blue catfish			X	X
<i>I. punctatus</i>	Channel catfish	X	X	X	X
<i>Pygodictis olivaris</i>	Flathead catfish			X	X
Cyprinodontidae	Killifishes				
<i>Cyprinodon rubrofluviatilis</i>	Red River pupfish	X	X	X	X
<i>Fundulus zebrinus</i>	Plains killifish	X	X	X	X
Poeciliidae	Livebearers				
<i>Gambusia affinis</i>	Western mosquitofish	X	X	X	X
Atherinidae	Silversides				
<i>Labidesthes sicculus</i>	Brook silverside				X
<i>Menidia beryllina</i>	Inland silverside		X	X	X
Percichthyidae	Temperate Basses				
<i>Morone chrysops</i>	White bass			X	
Centrarchidae	Sunfishes				
<i>Lepomis cyanellus</i>	Green sunfish	X	X	X	X
<i>L. gulosus</i>	Warmouth				X

Table 7. Continued

Species	Common Name	Pease R.	PDT+Salt Fks.	Wichita R.	Red R.
<i>L. humilis</i>	Orangespotted sunfis	X	X	X	X
<i>L. macrochirus</i>	Bluegill	X	X	X	X
<i>L. megalotis</i>	Longear sunfish	X	X	X	
<i>L. microlophus</i>	Redear sunfish		X		X
<i>Micropterus punctulatus</i>	Spotted bass		X	X	X
<i>M. salmoides</i>	Largemouth bass	X	X	X	X
<i>Pomoxis annularis</i>	White crappie			X	X
Percidae	Darters				
<i>Etheostoma spectabile</i>	Orangethroat darter				X
<i>Percina caprodes</i>	Logperch			X	X
Sciaenidae	Drums				
<i>Aplodinotus grunniens</i>	Freshwater drum		X	X	X

Table 8. Estimates of waterfowl (ducks and coots) populations for the Rolling Plains ecoregion, mid-winter 1997. (Source: TPWD, Waterfowl Program, 1998)

Species	Common name	Density/ sq. mi.	Pop. Estimate	Percent of total ducks identified
All ducks		9,488	412744	
Unident. Ducks		6.647	289170	
<i>Fulica americana</i>	Amer. Coot	2.038	88650	
<i>Anas platyrhynchos</i>	Mallard	0.907	39432	31.9
<i>A. strepera</i>	Gadwall	0.673	29262	23.7
<i>A. americana</i>	Amer. Wigeon	0.379	16502	13.4
<i>Aythya collaris</i>	Ring-neck	0.205	8922	7.2
<i>Anas clypeata</i>	Shoveler	0.163	7099	5.7
<i>A. acuta</i>	Pintail	0.161	7003	5.7
<i>Aythya affinis</i>	Lesser scaup	0.132	5756	4.7
<i>Anas crecca</i>	Green-winged teal	0.108	4701	3.8
<i>Bucephala albeola</i>	Bufflehead	0.038	1631	1.3
<i>Aythya valisineria</i>	Canvasback	0.033	1439	1.2
<i>A. americana</i>	Redhead	0.013	575	0.5
<i>Lophodytes cucullatus</i>	Hooded merganser	0.013	575	0.5
<i>Aix sponsa</i>	Wood duck	0.011	479	0.4
<i>Mergus merganser</i>	Common merganser	0.004	191	0.2

Table 9. Estimates of waterfowl habitat quantity and occupancy rates (ducks) for the Rolling Plains ecoregion, mid-winter 1997. (Source: TPWD, Waterfowl Program, 1998)

Habitat	Density/sq.mi.	Estimated No.	Est. mean occ. rate
Small pond	1.488	64713	0.29
Creek/river	0.554	24081	0.063
Medium pond	0.298	12952	0.632
Sheet water	0.022	959	0.071
Ditch/canal	0.021	911	0
Large pond	0.02	863	0.7
Natural marsh	0.02	863	0.333
Oxbow	0.011	479	0.25
Forested wetland	0.009	383	0.375
Gravel pit/mine	0.009	383	0.167

Table 10. Ground counts of geese, Knox and Haskell Counties, December 1996. (Source: TPWD, Waterfowl Program, 1998)

County	Location	Habitat Type	Ross'	Snow/ Blue	White- fronts	Canadas
Knox	Lks. Davis/Catherine	Reservoirs	63	141	555	7196
Knox	Spikebox Ranch	Wheat/Tanks		1		3985
Knox	Moorehouse Ranch	Reservoir				847
Haskell	Winchester L.	Natural lake	6	300	100	50000
Haskell	3 mi. SE Knox City	Flooded field	20	2	100	5000
Haskell	Hearn L.	Natural lake				2700
Haskell	Johnson L.	Natural lake		4	4	1330
Totals			89	448	759	71058

Table 11. Distribution and abundance of amphibians and aquatic or wetland-dependent reptiles and mammals for counties in the North Texas Study Area. (Source: TPWD, Endangered Resources Branch, Texas Biological and Conservation Data System 1998)

County	Sala- manders	Frogs/ Toads	Turtles	Snakes	Mammals	Totals
Archer		9	4	8	2	23
Baylor		10	4	6		20
Childress	1	6	1	2		10
Clay	2	11	3	9	1	26
Collingsworth		5	1	4		10
Cottle		9	1	2		12
Dickens	1	10	1	3		15
Fisher		6	1	4		11
Foard		6		2		8
Hall		2		2		4
Hardeman		5	2	1		8
Haskell	1	4	1	6		12
Jack		11	2	6		19
Jones		7	1	4		12
Kent	1	2	2	2		7
King	1	8	2	3		14
Knox	1	9	1	4		15
Motley	1	6	2	5		14
Palo Pinto		15	4	13	1	33
Shackelford		8	4	7		19
Stephens		9	1	3		13
Stonewall		6	2	4		12
Throckmorton		11	3	7		21
Wichita	1	12	4	7	3	27
Wilbarger	1	11	3	6	1	22
Young		8	4	7		19
Number of Species	2	19	7	14	3	45

Table 12. Species of special concern in the North Texas Study Area. (Source: TPWD, Endangered Resources Branch, County Special Species Lists, 1998)

Map Code*	Scientific name	Common name	Fed. Status	State status
	BIRDS			
1	<i>Dendroica chrysoparia</i>	Golden-cheeked warbler	LE	E
2	<i>Egretta rufescens</i>	Reddish egret		T
3	<i>Falco peregrinus</i>	Peregrine falcon	E/SA	
4	<i>F. p. anatum</i>	American peregrine falcon	LE	E
5	<i>F. p. tundrius</i>	Arctic peregrine falcon	E/SA	T
6	<i>Grus americana</i>	Whooping crane	LE	E
7	<i>Haliaeetus leucocephalus</i>	Bald eagle	LT	T
8	<i>Pelecanus occidentalis</i>	Brown pelican	LE	E
9	<i>Plegadis chihi</i>	White-faced ibis		T
10	<i>Sterna antillarum athalassos</i>	Interior least tern	LE	E
11	<i>Vireo atricapillus</i>	Black-capped vireo	LE	E
	FISHES			
12	<i>Notropis buccula</i>	Smalleye shiner		
13	<i>N. oxyrinchus</i>	Sharpnose shiner		
14	<i>Scaphirhynchus platyrhynchus</i>	Shovelnose sturgeon		T
	MAMMALS			
15	<i>Dipodomys elator</i>	Texas kangaroo rat		T
16	<i>Mustela nigripes</i>	Black-footed ferret	LE	E
17	<i>Myotis velifer</i>	Cave myotis bat		
18	<i>M. volans</i>	Long-legged myotis bat		
19	<i>Spilogale putorius interrupta</i>	Plains spotted skunk		
	REPTILES			
20	<i>Nerodia harteri</i>	Brazos water snake		T
21	<i>Phrynosoma cornutum</i>	Texas horned lizard		T
22	<i>Thamnophis sirtalis annectens</i>	Texas garter snake		
	VASCULAR PLANTS			
23	<i>Chenopodium cycloides</i>	Sandhill goosefoot		

* Lookup code for map of Fig. 7

Status Codes:

LE, LT - Federally listed Endangered/Threatened

E/SA - Federally Endangered by Similarity of Appearance

E, T - State Endangered/Threatened

Species on this list do not all share the same probability of occurrence within a county. Some species are migrants or winter residents only.

Table 13. Water use by Texas Parks and Wildlife Department facilities in the North Texas Study Area. (Source: TPWD, Inland Fisheries, Wildlife, and Parks Divisions, 1998)

County	TPWD Facility	Water Source	Approx. Annual Usage
Archer	Dundee State Fish Hatchery	Surface water, Diversion Lake, City of Wichita Falls	2200 ac-ft
Briscoe	Caprock Canyons State Park*	Surface water, Lake Theo, on site	912032 gal
Clay	Lake Arrowhead State Park	Surface water, L. Arrowhead, City of Wichita Falls	2028576 gal
Cottle	Matador Wildlife Management Area	Ground water, on site wells, approx. 180 ft deep	no data
Hardeman	Copper Breaks State Park	Surface water, Greenbelt Lake	868863 gal
Jack	Fort Richardson State Park	Surface water, City of Jacksbor	204000 gal
Palo Pinto	Possum Kingdom State Fish Hatchery	Surface water, Possum Kingdo Lake, Brazos Water Authority	800 ac-ft
	Possum Kingdom State Park	Surface water, Possum Kingdo Lake	3809199 gal
Parker	Lake Mineral Wells State Park*	Surface water, City of Mineral Wells	858656 gal
Shackelford	Fort Griffin State Park	Surface water, Lake Hubbard, Shackelford Water District	475999 gal

* Facilities on the perimeter of the Study Area

Table 14. Current water allocations and needed increases in future allocations and hatchery production for fish hatcheries in the North Texas Study Area. (Source: G. Saul, TPWD, Inland Fisheries Div., pers.comm.)

Hatchery	Water Rights Permit Controlling Authority	Current Allocation (ac-ft/yr)	Needed Increases in Future Allocations (ac-ft/yr) and Hatchery Production		
			Total Diversion	Maximum Consump.	% Increase Total Prod.
Dundee	TWRC CP-66 Amended 5/10/77 City of Wichita Falls Wichita Co. Water Improv. Dist. # 2	2200	8800	350	40
Possum Kingdom	TWC 1808 Letter of Agreement Brazos Water Author.	500 300 (800 total)	3000	300	50

Table 15. Participation and expenditures in Texas for wildlife-related recreation, 1996. (Source: 1996 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation)

	Total	Fishing/Hunting	Wildlife-watching
Expenditures	\$6.78 billion	\$5.6 billion	\$1.18 billion
Participants	4.7 million	2.8 million	3.6 million
% of population*	33	20	25

*Population 16 years old and older = 14.2 million

Table 16. Estimated direct annual economic impact of State Parks in the North Texas Study Area. (Source: A. Goldbloom, TPWD, Parks Div., 1987)

County	State Park	Associated Water Body/ Drainage	Economic Impact 1987 Dollars
Briscoe	Caprock Canyons	Headwaters Little Red R Prairie Dog Town Fk. Red R.	557677
Clay	Lake Arrowhead	Lake Arrowhead Little Wichita River	622947
Hardeman	Copper Breaks	Pease River	541237
Jack	Fort Richardson	Lost Creek West Fork Trinity River	450652
Palo Pinto	Possum Kingdom	Possum Kingdom Lake Brazos River	2169594
Parker	Lake Mineral Wells	Lake Mineral Wells, Roc Creek, Brazos River	1677935
Shackelford	Fort Griffin	Clear Fork Brazos River	464785

Table 17. Participation and economic impacts of freshwater sport fishing in Texas, 1996. (Source: Maharaj and Carpenter 1997)

	# Anglers	Angler Trips	Angler Days
Participation	2.15 million	30.7 million	37.6 million
	Expenditures	Econ. Output	Earnings
Economic Impacts	\$1.92 billion	\$4.23 billion	\$1.1 billion

Table 18. Economic impacts of migratory waterfowl hunting and non-consumptive waterfowl and bird use in Texas, 1991. (Source: Teisel and Southwick 1995)

	Expenditures	Econ. Output	Earnings
Hunting			
Waterfowl	\$48.9 million	\$96.2 million	\$20.2 million
Non-consumptive			
Waterfowl	\$103.6 millio	\$239.9 million	\$60.9 million
All Birds	\$155.3 millio	\$364.8 million	\$91.9 million