



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6
1445 ROSS AVENUE, SUITE 1200
DALLAS, TX 75202-2733

May 20, 2011

Julieann Dwyer
Federal Transit Administration, Region 6
819 Taylor Street, Room 8A36
Fort Worth, TX 76102

Re: Austin Urban Rail System Scoping Comments

Dear Ms. Dwyer:

The Environmental Protection Agency (EPA) Region 6 has reviewed the Notice of Intent to Prepare an Environmental Impact Statement (EIS) and the March 2011 Scoping Booklet regarding the Austin Urban Rail System Draft EIS. The proposed 16.5-mile rail transit system would connect the key activity centers within Central Austin and would connect to emerging regional transportation network nodes for commuter rail, regional rail, and rapid bus. The Federal Transit Administration (FTA) is the lead agency and the City of Austin (City) is the project sponsor. In accordance with the National Environmental Policy Act (NEPA), and under Section 309 of the Clean Air Act, our agency is providing the following comments to assist you with the preparation of the DEIS.

- The purpose and need statement specifically mentions connecting the urban rail system to future regional transportation nodes such as commuter rail, regional rail, and rapid bus. The DEIS should adequately describe the emerging transportation network nodes, including the likelihood that they will be constructed and the probability and source of funding.
- The No-Build Alternative is described as being representative of a NEPA baseline for the other project alternatives, in that it reflects the highway and transit projects included in the Capital Area Metropolitan Planning Organization's current long-range CAMPO 2035 transportation plan. In demonstrating the environmental effects of the project alternatives, the DEIS should clearly identify any highway and/or transit projects (or elements thereof) supporting these alternatives that are not included in the CAMPO 2035 transportation plan.
- In demonstrating the environmental effects of the project alternatives, the DEIS should provide estimates for anticipated trip reductions and/or reductions in vehicle miles traveled for the affected area.
- Although scoping information states that the proposed project would be constructed within existing rights-of-way (ROW), there may be portions of the project that may require acquisition of additional property. If additional property is acquired, there may be displacements and/or relocations of residential and commercial properties. Alternative alignments and ancillary facilities (e.g., parking lots) should be thoroughly evaluated so as to minimize any displacements and/or relocations.

- Section 4(f) of the Department of Transportation Act of 1966 includes a special provision that protects publicly owned parks, recreational areas, wildlife and waterfowl refuges, or public and private historical sites from being acquired for transportation projects. Section 6(f) of the Land and Water Conservation Fund Act (LWCF) states that either the land or the park appurtenances acquired with LWCF funds cannot be eliminated or acquired without coordination with the National Park Service and mitigation that replaces the eliminated items. If any of these properties are within the area of potential effect (APE), a thorough evaluation of potential impacts, alternatives, and mitigation should be included in the DEIS. Vibration and noise can also adversely impact 4(f) and 6(f) properties.

An analysis of the proposed project area utilizing an EPA web-based tool titled NEPAassist is included with this letter. These enclosures contain data regarding threatened and endangered species, socioeconomic data, locations of National Register sites, and other pertinent data. Please notice the analysis denotes that the project area is within 100 meters of a REAP Composite and REAP Rarity area. An explanation of the Regional Ecological Assessment Protocol (REAP), is contained here: <http://www.epa.gov/region6/6en/xp/enxp2a4.htm>. Based on this information, the project may affect rare and/or sensitive vegetation. FTA and the City should consult with the U.S. Fish and Wildlife Service and the Texas Parks and Wildlife Department.

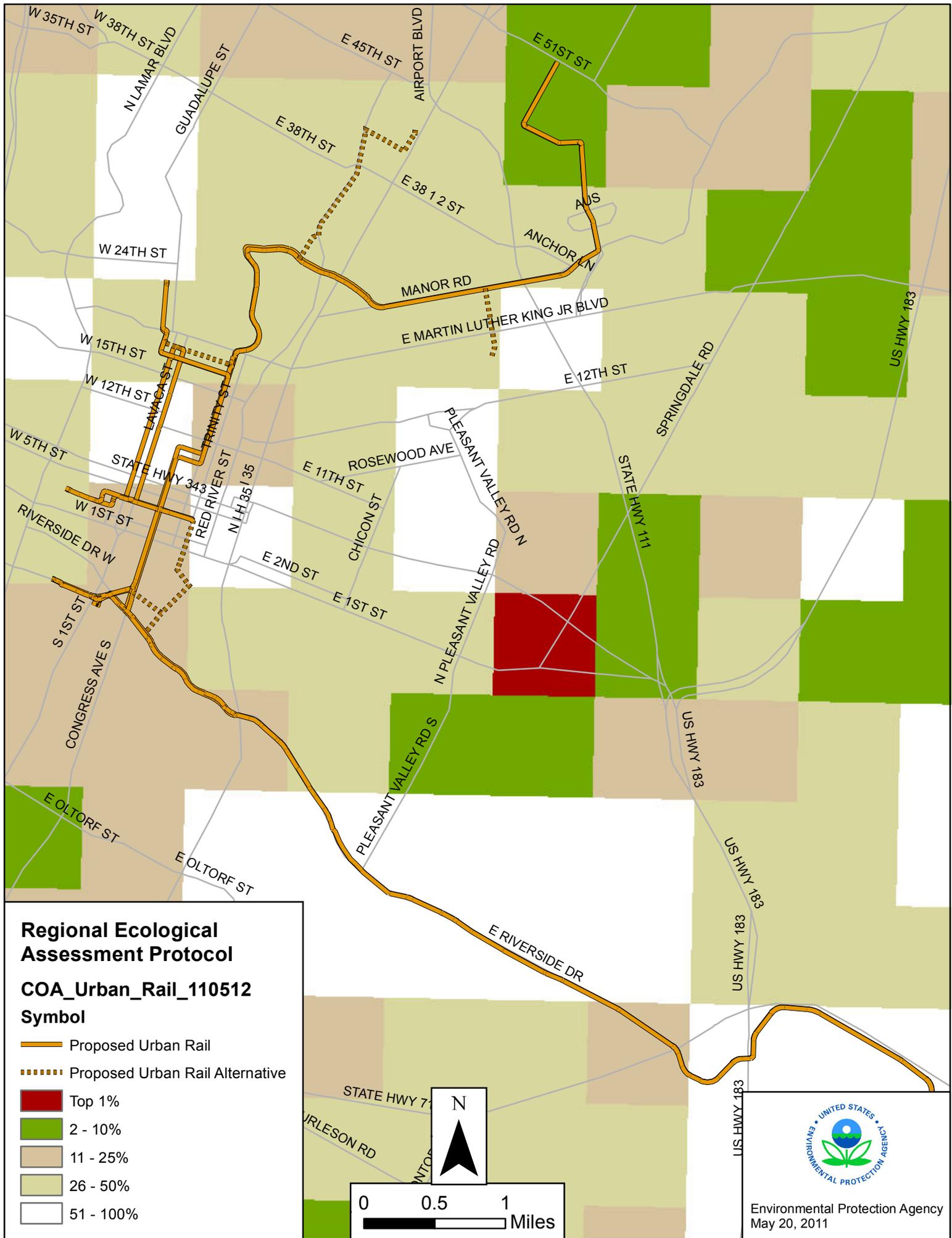
EPA appreciates the opportunity to provide comments at this early stage of the NEPA process for the Austin Urban Rail System. Thank you for your coordination and don't hesitate to contact John MacFarlane, of my staff, at 214-665-7491 or macfarlane.john@epa.gov should you have any questions or concerns regarding this letter.

Sincerely,



Rhonda Smith
Chief, Office of Planning and
Coordination

Enclosure

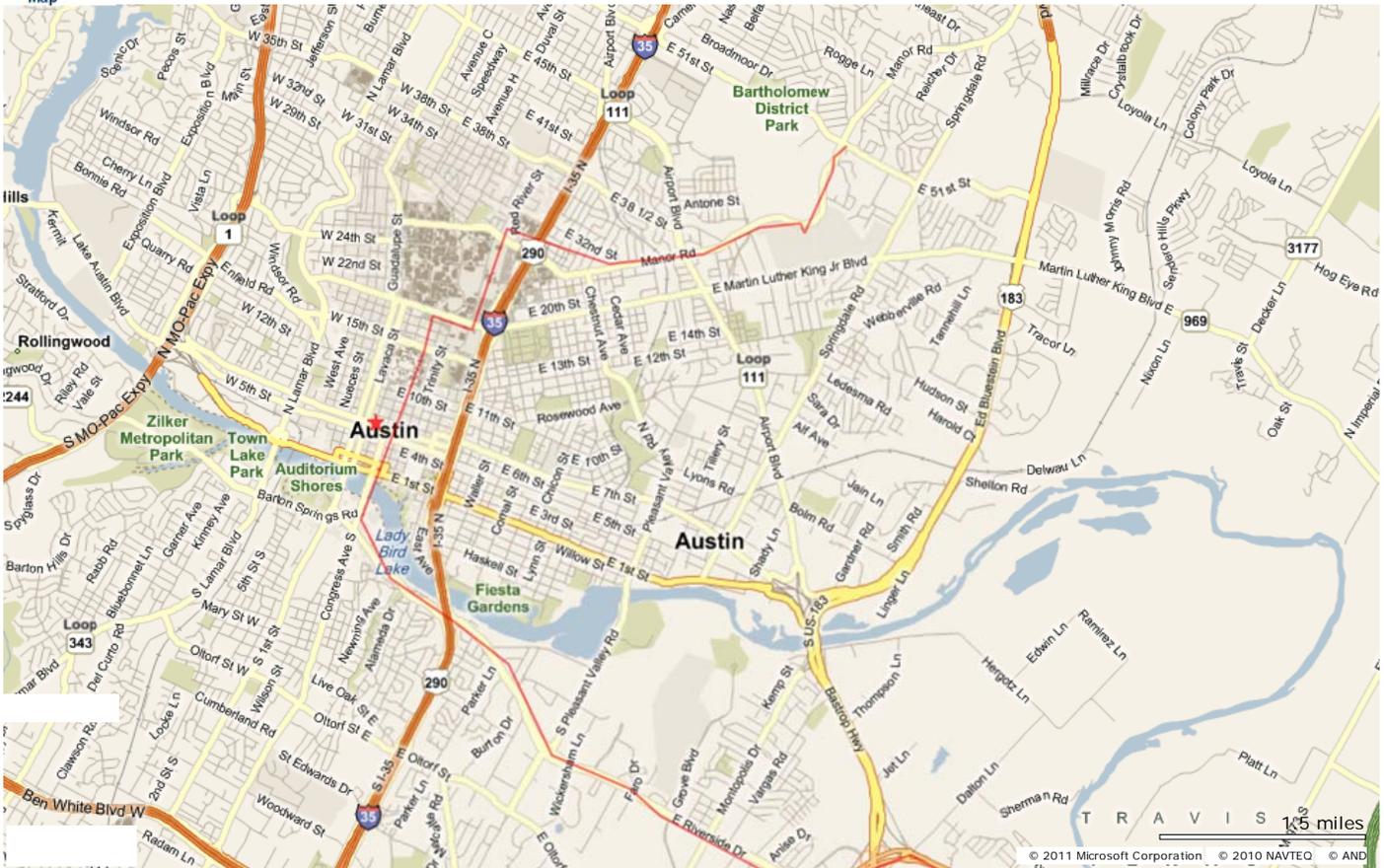


W 35TH ST
 W 38TH ST
 N LAMAR BLVD
 GUADALUPE ST
 E 45TH ST
 AIRPORT BLVD
 E 51ST ST
 E 38TH ST
 E 38 1 2 ST
 W 24TH ST
 MANOR RD
 ANCHOR LN
 W 15TH ST
 W 12TH ST
 W 5TH ST
 STATE HWY 343
 RIVERSIDE DR W
 W 1ST ST
 S 1ST ST
 CONGRESS AVE S
 E OLTORE ST
 E OLTORE ST
 E 11TH ST
 ROSEWOOD AVE
 CHICON ST
 E 2ND ST
 E 1ST ST
 N PLEASANT VALLEY RD
 PLEASANT VALLEY RD N
 PLEASANT VALLEY RD S
 E RIVERSIDE DR
 STATE HWY 77
 W RLESON RD
 ANTON
 E 12TH ST
 SPRINGDALE RD
 STATE HWY 111
 US HWY 183
 US HWY 183
 US HWY 183
 US HWY 183



NEPassist

You are here: [EPA Home](#) [NEPassist Home](#)



Length of digitized line 12.63 mi

Facility

- [Within 100 meters of a hospital?](#) no
- [Within 1000 meters of a hospital?](#) yes
- [Within 100 meters of a TRI facility?](#) no
- [Within 1000 meters of a TRI facility?](#) yes
- [Within 100 meters of a regulated facility?](#) yes
- [Within 1000 meters of a regulated facility?](#) yes
- [Within 100 meters of an airport?](#) yes

Water

- [Within 100 meters of a Wild and Scenic River?](#) no
- [Within an area over a Sole Source Aquifer?](#) no
- [Within the 100 year flood plain?](#) yes
- [Within the 500 year flood plain?](#) yes
- [Within 400 meters of an NWI wetland?](#) loading...
May take several minutes
- [Within an NLCD wetland?](#) yes
- [Within 1000 meters of an NLCD wetland?](#) yes

Ecology

- [Within a federal/state park or wildlife area?](#) no
- [Within 1000 meters of a federal/state park or wildlife area?](#) no
- [Within a critical habitat area?](#) no
- [Within 1000 meters of a critical habitat area?](#) no
- [Within 100 meters of a REAP Composite area that is within the Top 10% highest scores?](#) yes
- [Within 100 meters of a REAP Diversity area that is within the Top 10% highest scores?](#) no
- [Within 100 meters of a REAP Rarity area that is within the Top 10% highest scores?](#) yes

[Within 100 meters of a REAP Sustainability area that is within the Top 10% highest scores?](#)

[no](#)

Other

[Within 100 meters of a place on the National Historic Register?](#)

[yes](#)

[Within 1000 meters of a place on the National Historic Register?](#)

[yes](#)

[Within 100 meters of a school?](#)

[yes](#)

[Within 1000 meters of a school?](#)

[yes](#)

[Within a nonattainment area?](#)

[no](#)

[Within a previous nonattainment, maintenance, or EAC area?](#)

[no](#)

[Within 1000 meters of a Tribal boundary or property of interest?](#)

[no](#)

NatureServe data

[Within an area with known rare, endangered, or at-risk species?](#)

[click here](#)

[Download XML](#)

[Environmental Justice Analysis](#)

[GISST Analysis](#)

[Texas Grid Analysis](#)

Report question: *Within 1000 meters of a place on the National Historic Register?*

Modify question by entering a new buffer distance and unit for the selected study area:

Features within Study Area

Features found: 28

Name	Distance	Units
St. Mary's Cathedral	78.82	feet
1918 State Office Building and 1933 State Highway Building	117.64	feet
1918 State Office Building and 1933 State Highway Building	173.96	feet
Little Campus	188.25	feet
Driskill Hotel	272.72	feet
Old Land Office Building	312.21	feet
Southwestern Telegraph and Telephone Building	318.39	feet
Millett Opera House	330.50	feet
University Junior High School	332.39	feet
Scholz Garten	343.81	feet
Congress Avenue Historic District	345.13	feet
Paramount Theatre	370.81	feet
Old Bakery	418.32	feet
Texas State Capitol	431.40	feet
U.S. Post Office and Federal Building	476.23	feet
St. David's Episcopal Church	492.20	feet
Mather-Kirkland House	525.63	feet
Gethsemane Lutheran Church and Luther Hall (Boundary Increase)	533.82	feet
Sixth Street Historic District	591.22	feet
Brown Building	806.77	feet
Austin Daily Tribune Building	842.63	feet
Austin US Courthouse	849.60	feet
Governor's Mansion	858.12	feet
Austin Central Fire Station No.1	865.54	feet
Porter, William Sidney, House	888.27	feet
Carrington-Covert House	919.11	feet
Hancock, John, House	946.20	feet
Wahrenberger House	975.95	feet



NEPAssist

You are here: [EPA Home](#) [NEPAssist Home](#)

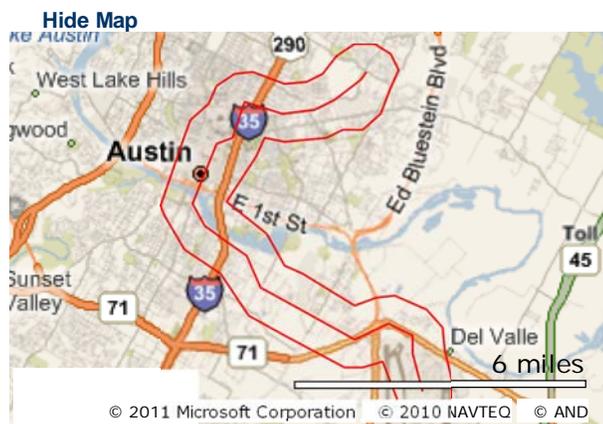
http://r6gis1.r06.epa.gov/NEPAVEtools/NepaCall/NatureServeDrill.aspx
Last updated on Thursday, May 19, 2011

NEPAssist NatureServe Report

This information is provided by [NatureServe](#) and its network of natural heritage member programs, a leading source of information about rare and endangered species, and threatened ecosystems. For more detail about the data and how the queries work, and links to related information resources, please review the report on "[How to Interpret the Data](#)".

Please note: As an EPA employee, you may receive more detailed information in the following NatureServe Reports than you are permitted to share in communications with outside stakeholders in accordance with the NatureServe data usage agreement with EPA. Read the references to data distribution in the [terms and conditions](#) carefully. Also, refer to the Data Distribution Restriction Section on the NatureServe entry page which provides acceptable types of statements that can be included in correspondence to outside stakeholders.

EPA pays for an annual subscription to the NatureServe web service data. While use of the web service for your business needs is strongly encouraged, please limit your use to queries you need for your work. If you encounter an error message when accessing the web service, please document the occurrence and send that information to: green.ana@epa.gov



Results for 1000 meters from study area

Study area type: line

Total area of study area plus buffer: 42.6 sq km / 16.45 sq mi

Enter a new buffer distance and units for the selected study area.
Please be patient. Queries of large areas can take a minute or two.

Note: Buffers of 0 distance are not valid for point and line study area type, a 1000 meter buffer is applied by default.

[Hide Area Size Reference](#)

Size of Queried Area

Information Detail Returned

Polygon larger than or equal to 36 sq. km (¼ quad)

Exact species

Polygon smaller than 36 sq. km (¼ quad) and larger than or equal to 10 sq. km (¼ of ¼ quad)

Major taxonomic group

Polygon smaller than 10 sq. km (¼ of ¼ quad) and larger than or equal to 2.6 sq. km (1 sq. mile)

Known presence

Polygon smaller than 2.6 sq. km (1 sq. mile)

Data not available

Name		Taxonomy		Conservation Status	
Common Name	Scientific Name	Species Group (Broad)	Species Group (Fine)	NatureServe Global Status	Other Status
Guadalupe Bass	<i>Micropterus treculii</i>	Animals, Vertebrates	Bony Fishes	G3	IUCN Conservation Status: DD – Data deficient AFS Status: Special Concern
Smalleye Shiner	<i>Notropis buccula</i>	Animals, Vertebrates	Bony Fishes	G2Q	USESAs Status: C: Candidate IUCN Conservation Status: VU – Vulnerable AFS Status: Special Concern
Texas Gartersnake	<i>Thamnophis sirtalis annectens</i>	Animals, Vertebrates	Snakes	G5T4	
Drooping Milkvetch	<i>Astragalus reflexus</i>	Plants, Vascular	Pea Family	G3	
Texas Fescue	<i>Festuca versuta</i>	Plants, Vascular	Grass Family	G3	
Netleaf Bundleflower	<i>Desmanthus reticulatus</i>	Plants, Vascular	Pea Family	G3	
Heller's False Gromwell	<i>Onosmodium helleri</i>	Plants, Vascular	Borage Family	G3	
Bracted Twistflower	<i>Streptanthus bracteatus</i>	Plants, Vascular	Mustard Family	G2	

There were no excluded areas found in the query area.

Information on the NatureServe Web Service – [Use Guidelines and Citation](#)

Report question: *Within 1000 meters of a school?*

Modify question by entering a new buffer distance and unit for the selected study area:

Features within Study Area

Features found: 18

Name	Distance	Units
ESCUELA MONTESSORI DE MONTOPOLIS	7.26	feet
UNIVERSITY OF TEXAS	57.48	feet
TEXAS STATE LIBRARY	123.62	feet
TEXAS STATE LIBRARY AND ARCHIVES	123.62	feet
RIVERSIDE PUBLIC LIBRARY	214.94	feet
UNIVERSITY OF TEXAS AT AUSTIN	249.36	feet
UT	249.36	feet
UNIVERSITY OF TEXAS	249.36	feet
AUSTIN PEACE ACADEMY	269.66	feet
AMERICAN YOUTHWORKS CHARTER SCHOOL	341.69	feet
CATHEDRAL SCHOOL OF ST MARY'S	387.13	feet
UNIVERSITY OF HOUSTON SYSTEM	404.71	feet
HUNTINGTON-SURREY SCHOOL	556.48	feet
BATY ELEMENTARY SCHOOL	604.49	feet
NARA LBJ LIBRARY	681.61	feet
THE CENTER FOR AMERICAN HISTORY	682.20	feet
UNIVERSITY OF TEXAS AT AUSTIN-EAST	795.56	feet
CAMPBELL ELEMENTARY SCHOOL	874.77	feet



EJView

You are here: [EPA Home](#) [Compliance and Enforcement](#) [Environmental Justice](#) EJView

Statistics represent residential population, by Census Block Group, within a **.5** mile buffer around feature of interest

[Social](#)
[Economic](#)
[Health](#)
[Environmental](#)

County and State Comparison

Overview

Total Persons:	49452	Land Area:	96.9%	Households in Area:	18718
Population Density:	4035.71 /sq mi	Water Area:	3.1%	Housing Units in Area:	19793
Percent Minority:	60%	Persons Below Poverty Level:	12089 (27.9%)	Households on Public Assistance:	392
Percent Urban:	100%	Housing Units Built <1970:	45%	Housing Units Built <1950:	16%

Race and Age*

Race Breakdown	Persons (%)	Age Breakdown	Persons(%)
White:	26522 (53.6%)	Child 5 years or less:	3261 (6.6%)
African-American:	6745 (13.6%)	Minors 17 years and younger:	7733 (15.6%)
Hispanic-Origin:	18552 (37.5%)	Adults 18 years and older:	41719 (84.4%)
Asian/Pacific Islander:	3167 (6.4%)	Seniors 65 years and older:	2765 (5.6%)
American Indian:	409 (0.8%)	<i>This space intentionally left blank</i>	
Other Race:	10597 (21.4%)		
Multiracial:	2012 (4.1%)		

(* Columns that add up to 100% are highlighted)

Gender

Gender Breakdown	Persons (%)
Males:	27388 (55.4%)
Females:	22064 (44.6%)

Education

Education Level (Persons 25 & older)	Persons (%)
Less than 9th grade:	3566 (14.9%)
9th -12th grade:	3297 (13.8%)
High School Diploma:	4375 (18.3%)
Some College/2_yr:	4515 (18.9%)
B.S./B.A. or more:	8187 (34.2%)

Language

Ability to Speak English	Persons (%)
Population Age 5 and Over:	46704
Speak only English:	28262 (60.5%)
Non-English at Home:	18442 (39.5%)

Speak English very well:	10085 (21.6%)
Speak English well:	3103 (6.6%)
Speak English not well:	2955 (6.3%)
Speak English not at all:	2300 (4.9%)
Speak English less than well:	5255 (11.3%)

Language Spoken

<u>Language Spoken</u>	<u>Persons (%)</u>
Speak only English:	29848 (60.8%)
Spanish or Spanish Creole:	15400 (31.4%)
French (incl. Patois, Cajun):	273 (0.6%)
French Creole:	4 (0.0%)
Portuguese or Portuguese Creole:	52 (0.1%)
German:	260 (0.5%)
Yiddish:	5 (0.0%)
Other West Germanic Languages:	18 (0.0%)
Scandinavian Languages:	49 (0.1%)
Greek:	5 (0.0%)
Russian:	102 (0.2%)
Polish:	18 (0.0%)
Serbo-Croatian:	24 (0.0%)
Other Slavic Languages:	23 (0.0%)
Persian:	74 (0.2%)
Gujarathi:	126 (0.3%)
Hindi:	182 (0.4%)
Urdu:	150 (0.3%)
Other Indic Languages:	144 (0.3%)
Other Indo-European Languages:	32 (0.1%)
Chinese:	865 (1.8%)
Japanese:	85 (0.2%)
Korean:	410 (0.8%)
Mon-Khmer, Cambodian:	6 (0.0%)
Miao, Hmong:	9 (0.0%)
Thai:	39 (0.1%)
Laotian:	12 (0.0%)
Vietnamese:	286 (0.6%)
Other Asian Languages:	140 (0.3%)
Tagalog:	37 (0.1%)
Other Pacific Island Languages:	74 (0.2%)
Other Native North American Languages:	12 (0.0%)
Hungarian:	13 (0.0%)



EJView

You are here: [EPA Home](#) [Compliance and Enforcement](#) [Environmental Justice](#) EJView

Statistics represent residential population, by Census Block Group, within a **.5** mile buffer around feature of interest

Social

Economic

Health

Environmental

Income

Income Breakdown	Households (%)
Less than \$15,000:	5251 (28.1%)
\$15,000 - \$25,000:	3207 (17.1%)
\$25,000 - \$50,000:	5731 (30.6%)
\$50,000 - \$75,000:	2389 (12.8%)
Greater than \$75,000:	2182 (11.7%)

Tenure

Tenure Breakdown	Households (%)
Occupied Housing Units:	18718 (100.0%)
Owner Occupied:	4943 (26.4%)
Renter Occupied	13775 (73.6%)



EJView

You are here: [EPA Home](#) [Compliance and Enforcement](#) [Environmental Justice](#) EJView

Statistics represent residential population, by Census Block Group, within a **.5** mile buffer around feature of interest

- Social
- Economic
- Health
- Environmental

National Emission Inventory (NEI) Non-Point Source Air Emissions(tons)

	Carbon Monoxide	Ammonia	Nitrogen Oxides	Particulates (size < 10 micrometers)	Particulates (size < 2.5 micrometers)	Sulfur Dioxide	Volatile Organic Compounds
TRAVIS, TX	4395.58	1559.01	2803.4	55761.98	7289.58	6481.41	14543.8
TEXAS	476661.36	383669.04	274452.98	2307864.31	309413.99	109215.22	684146.22

SOURCE: 1999 National Emission Inventory(NEI) Criteria Pollutants.
(<http://www.epa.gov/ttn/chief/net/1999inventory.html>)

Regulated Facilities:

RCRA Info Query

County List State List

TRAVIS, TX	TEXAS
------------	-------

(DbI-Click to select)

TRI Explorer Query

County List State List

TRAVIS, TX	TEXAS
------------	-------

(DbI-Click to select)

Brownfields Properties:

[Brownfields Info](#)

Environmental Conditions:

Drinking Water Source/Sewage Disposal

Housing Units	Water	Sewer
---------------	-------	-------

	Systems	Wells	Other	Public	Septic	Other
17408	17408	0	0	17321	54	33

SOURCE: U.S. Census Bureau, 1990 Census of Population and Housing

Safe Drinking Water Reports by County

[SDWIS Report for TRAVIS, TX](#)

Fish Advisory Reports

[Fish Advisory Report for TEXAS](#)

Air Data Reports

[AirData Reports for TEXAS](#)



EJView

You are here: [EPA Home](#) [Compliance and Enforcement](#) [Environmental Justice](#) EJView

Statistics represent residential population, by Census Block Group, within a **.5** mile buffer around feature of interest

Social

Economic

Health

Environmental

[View Full Content in New Window](#)

Health Statistics

Health Service Area for *Travis (Austin), TX - Williamson, TX*

The health data statistics for this feature of the Environmental Justice Assessment are provided by the National Center for Health Statistics (NCHS) [Centers for Disease Control \(CDC\)](#) [EXIT Disclaimer](#), the official source for vital statistics. Currently, this information has not been released for all ethnic groups by NCHS. When the health statistics are released, they will be provided in this feature broken down by geographic area and ethnicity. This information will be made available as soon as the data have been quality assured and released by NCHS in their entirety.

Since 1960, NCHS has received several legislative mandates and authorities, and it works closely with other federal agencies, as well as researchers and academic institutions, to provide health information. NCHS data systems include data on vital events, as well as information on health status, lifestyle and exposure to unhealthy influences, the onset and diagnosis of illness and disability, and the use of health care. This information is used by policymakers in Congress and the Administration, by medical researchers, and by others in the health community.

Additional information is available from the [National Center for Health Statistics \(NCHS\)](#) [EXIT Disclaimer](#) website.

Statistic\Disease [†]	Heart Disease	All Cancers	Chronic Obstructive Pulmonary Disease	Pneumonia and Influenza	Liver Disease
White Male Rate *	164.6	150.9	23.6	14.4	12.6
White Male Significance **	1	2	1	2	3
Black Male Rate *	262	255.5	37.2	16.7	12.9
Black Male Significance **	3	3	5	2	2
White Female Rate *	81.7	100.7	16.5	8.9	5
White Female Significance **	1	2	3	2	3
Black Female Rate *	133	132.1	9.9	6.2	2.6
Black Female Significance **	2	3	3	2	2

SOURCE: [U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Health Statistics, Atlas of United States Mortality \(1997\)](#) [EXIT Disclaimer](#)

† Rates based on deaths during 1988-92 in the United States due to the diseases listed.

* **Rate:** The age-adjusted death rate due to cause per 100,000 population.

** **Significance:** A description of whether the death rate of the group, due to cause, varies significantly from the U.S. death rate.

2002 NATA Risk Estimates

	Cancer Risk (Persons per Million)	Neurological Hazard Risk	Respiratory Hazard Risk
TRAVIS, TX	36.18 (93.9 Percentile)	.05 (80.3 Percentile)	3.41 (89.5 Percentile)
Texas	30.32 (51.9 Percentile)	.05 (32.6 Percentile)	2.95 (51.9 Percentile)

SOURCE: EPA Office of Air and Radiation (<http://www.epa.gov/ttn/atw/nata2002/>)

NOTES: Values are derived from 2002 National-Scale Air Toxics Assessment (NATA) Cancer Risk Estimates and Non-Cancer Hazard Index Scores.

2007 Asthma Prevalence By State

	White Non-Hispanic Persons	Black Non-Hispanic Persons	Multi-Racial Non-Hispanic Persons	Other Race Non-Hispanic Persons	Hispanic Persons
Texas					
Lifetime	14.6%	14.8%	26.7%	14.7%	9%
Current	9.5%	9.8%	24.1%	9.8%	5.1%

SOURCE: Centers for Disease Control and Prevention.

2007 Behavioral Risk Factor Surveillance System (BRFSS) (<http://www.cdc.gov/asthma/brfss/07/brfssdata.htm>)

2008 Mortality Rates

	Deaths per 1000
TRAVIS, TX	4.54
Texas	6.7

SOURCE: US Census Bureau <http://www.census.gov/popest/estimates.php>

NOTES: Mortality rates are calculated using 7/1/2007 to 7/1/2008 deaths and estimated populations from the file, "County Population Estimates and Estimated Components of Change, April 1, 2000 to July 1, 2008".

Life Expectancy at Birth in 1999

	Male and Female	Male	Female
Travis, Texas	78.2	75.8	80.5

SOURCE: U.S. Census Bureau & National Center for Health Statistics

All Cancers Mortality Rates

	1950 - 1994		1970 - 1994							
	White Male Age 0 - 19	White Female Age 0 - 19	All White Male	All White Female	All Black Male	All Black Female	White Male Age 0 - 19	White Female Age 0 - 19	Black Male Age 0 - 19	Black Female Age 0 - 19
TRAVIS, TX	5.0184	4.32	196.6449	126.3378	301.4916	151.7547				
Texas	6.3979	4.9306	202.3985	124.0559	281.631	152.5508	5.1574	3.9533	4.6641	3.8813

SOURCE: National Cancer Institute Cancer Mortality Maps & Graphs <http://www3.cancer.gov/atlasplus/index.html>

NOTES: Mortality rates (number per 100,000) are extracted from the state and county mortality tables.

Childhood Leukemia Mortality Rates

	1950 - 1994		1970 - 1994							
	White Male Age 0 - 19	White Female Age 0 - 19	All White Male	All White Female	All Black Male	All Black Female	White Male Age 0 - 19	White Female Age 0 - 19	Black Male Age 0 - 19	Black Female Age 0 - 19
TRAVIS, TX	2.2024	1.8435	8.8837	4.78	8.8815	5.2377				
Texas	2.7268	2.1183	8.8257	5.1716	7.9426	4.756	2.1337	1.6062	1.5403	1.2759

SOURCE: National Cancer Institute Cancer Mortality Maps & Graphs <http://www3.cancer.gov/atlasplus/index.html>

NOTES: Mortality rates (number per 100,000) are extracted from the state and county Leukemia mortality tables.

Adult Lymphoma Mortality Rates

	1950 - 1994		1970 - 1994							
	White Male Age 20 - 49 Age 50 - 74 Age 75+	White Female Age 20 - 49 Age 50 - 74 Age 75+	All White Male	All White Female	All Black Male	All Black Female	White Male Age 20 - 49 Age 50 - 74 Age 75+	White Female Age 20 - 49 Age 50 - 74 Age 75+	Black Male Age 20 - 49 Age 50 - 74 Age 75+	Black Female Age 20 - 49 Age 50 - 74 Age 75+
TRAVIS, TX	2.3432 14.8752 45.7398	.9466 12.4973 47.3403	6.9045	5.1701	4.8128	2.9857				
Texas	2.1119 15.831 46.9516	1.1539 10.9469 35.1214	6.6943	4.4643	4.9254	2.9445	2.2281 17.3147 55.8517	1.1283 11.7975 40.3662	2.1257 13.7257 29.875	1.032 8.89 17.4908

SOURCE: National Cancer Institute Cancer Mortality Maps & Graphs <http://www3.cancer.gov/atlasplus/index.html>

NOTES: Mortality rates (number per 100,000) are extracted from the state and county Non-Hodgkin's Lymphoma mortality tables.

Lung Cancers Mortality Rates

	1950 - 1994		1970 - 1994							
	White Male Age 0 - 19	White Female Age 0 - 19	All White Male	All White Female	All Black Male	All Black Female	White Male Age 0 - 19	White Female Age 0 - 19	Black Male Age 0 - 19	Black Female Age 0 - 19
TRAVIS, TX	0	.0408	65.7645	25.4243	110.6414	26.1138				
Texas	.038	.0234	70.8042	23.6421	95.1353	22.2225	.0289	.0189	.0411	.0112

SOURCE: National Cancer Institute Cancer Mortality Maps & Graphs <http://www3.cancer.gov/atlasplus/index.html>

NOTES: Mortality rates (number per 100,000) are extracted from the state and county mortality tables.