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Comprehensive Plan Citizens Advisory Task Force

Supplemental Analysis of Preferred Scenario
and Growth Concept

Planning and Development Review Department



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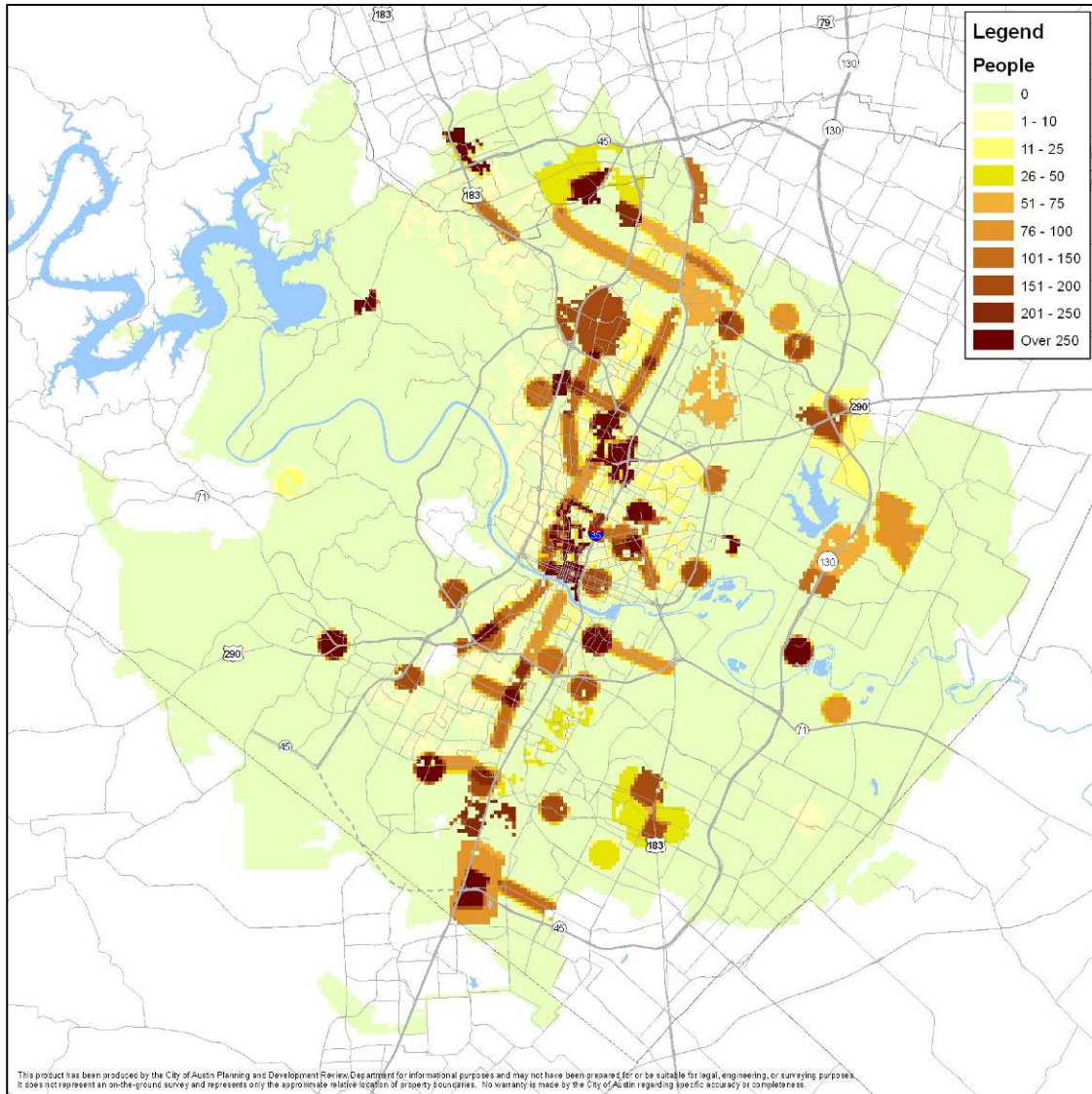
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Notes and Restrictions on Population and Jobs Projections:

1. Overall forecast of 750,000 People/300,000 Jobs
2. Unrefined and meant for regional, not neighborhood-level analyses
3. Plan does not call for specific placement of population and jobs
4. The Preferred Scenario and Growth Concept are conceptual representations, based on extensive public input. Furthermore, some of the Centers and Corridors are simply general circles that will be further delineated as they are developed or changed through additional planning. Therefore, the following maps and tables are conceptual representations.
5. Staff used the Preferred Scenario when population and jobs was needed for analysis, and used the Growth Concept for when it was not needed.



Population Added with Preferred Scenario

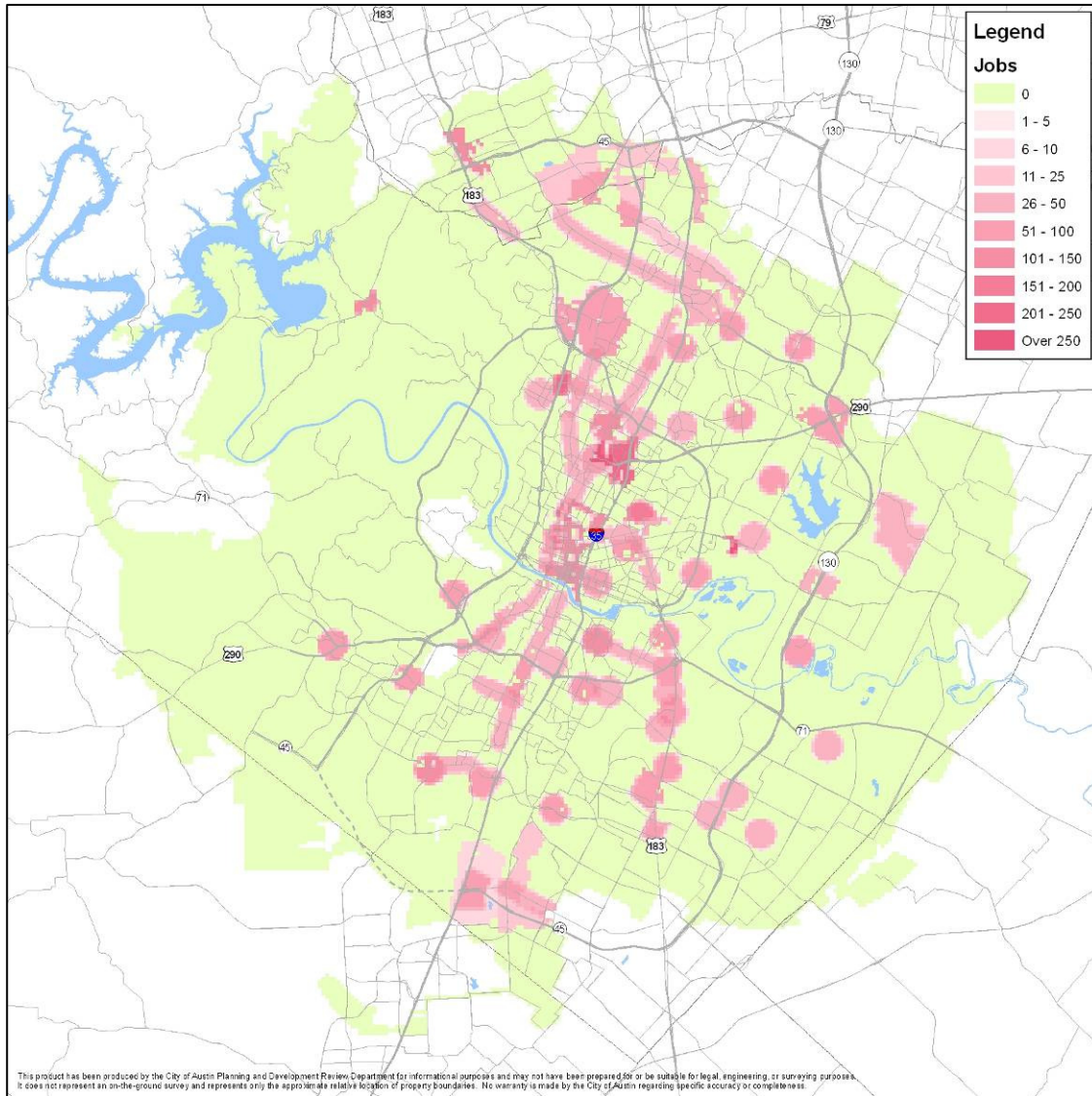


Preferred Scenario



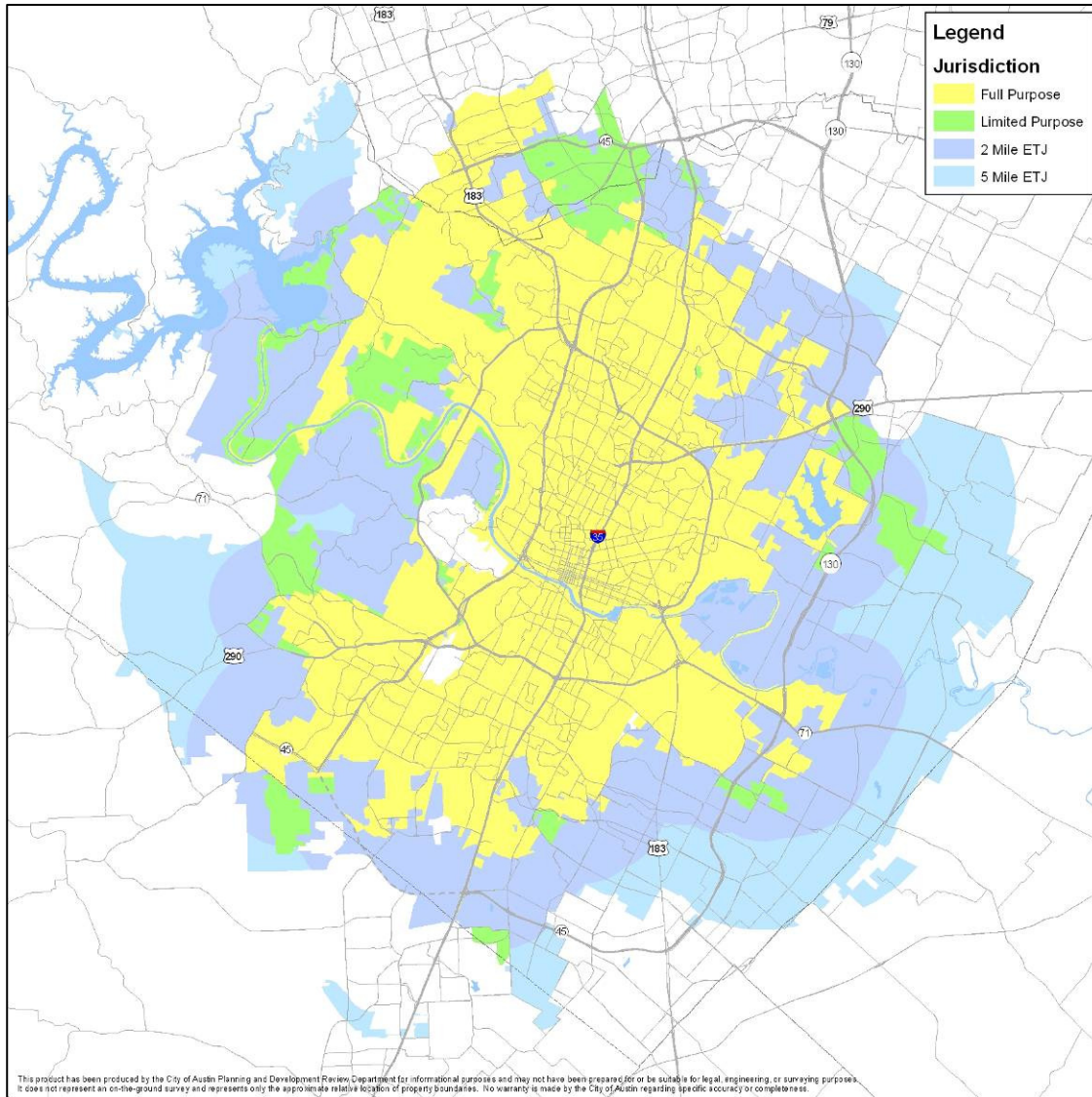
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Jobs Added with Preferred Scenario



Preferred Scenario

City Jurisdictions



Preferred Scenario



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Population Added With Preferred Scenario by City Jurisdictions

Population Jurisdiction	Existing			Total Added 2009-2039		Total by 2039	
	People	Acres	Density: Persons/Ac.	People	%	People	Density: Persons/Ac.
Extra-territorial Juris. (ETJ)	208,225	198,906	1.0	139,880	19%	348,105	1.8
Full and Limited Purpose	812,025	196,998	4.1	610,120	81%	1,422,145	7.2
Grand Total	1,020,250	395,904	2.6	750,000	100.0%	1,770,250	4.5

Preferred Scenario

Comparison of Density in Other Cities

City	People	Acres	Density: Persons/ Ac.
Houston	2,099,451	384,832	5.5
Dallas	1,197,816	246,912	4.9
New York City	8,175,133	300,096	27.2
Portland, OR	583,776	93,056	6.3
Columbus	787,033	136,064	5.8
Fort Worth	741,206	217,472	3.4

Preferred Scenario

Additional Cities Densities (taken from Portland, OR plan)



Denver, CO

City Area

98,560 Acres

154 Sq. Miles

Population

598,000

Population Density

6 Persons/Acre



Austin, TX

City Area

189,440 Acres

296 Sq. Miles

Population

743,000

Population Density

4 Persons/Acre



Sacramento, CA

City Area

63,360 Acres

99 Sq. Miles

Population

475,000

Population Density

7 Persons/Acre



Seattle, WA

City Area

53,760 Acres

84 Sq. Miles

Population

592,000

Population Density

11 Persons/Acre



Los Angeles, CA

City Area

318,720 Acres

798 Sq. Miles

Population

3,800,000

Population Density

12 Persons/Acre



Vancouver, BC

City Area

28,160 Acres

44 Sq. Miles

Population

575,000

Population Density

20 Persons/Acre



Paris, France

City Area

23,680 Acres

37 Sq. Miles

Population

2,200,000

Population Density

93 Persons/Acre



Mexico City, Mexico

City Area

366,720 Acres

573 Sq. Miles

Population

8,800,000

Population Density

24 Persons/Acre

Preferred Scenario



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Jobs Added With Preferred Scenario by City Jurisdictions

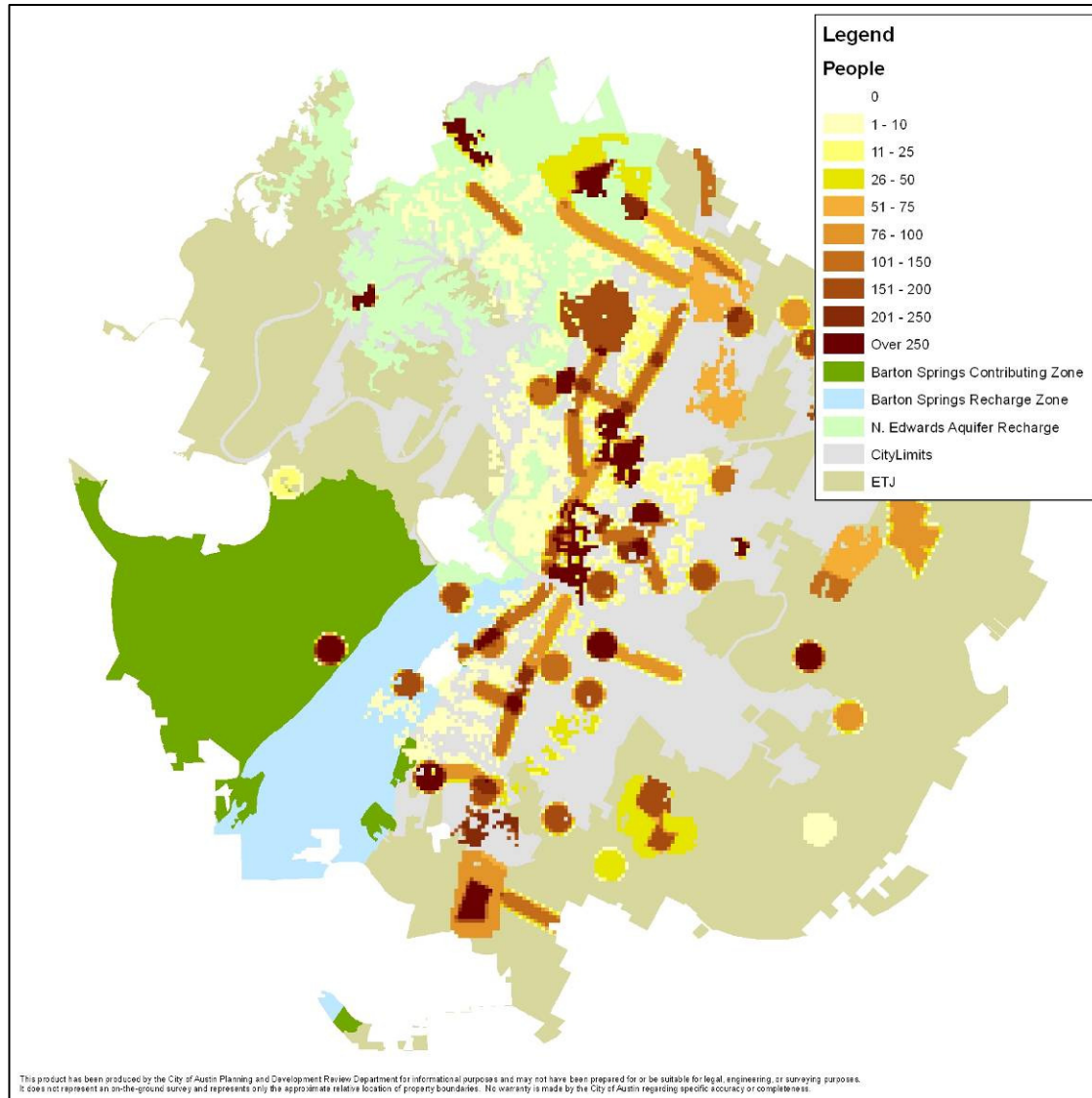
Jurisdiction	Total Added 2009-2039	
	Jobs	% Distribu tion
Extra-territorial Jurisdiction (ETJ)	53,990	18%
Full and Limited Purpose	246,199	82%
Grand Total	300,189	100.0%

Preferred Scenario



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Population Added with Preferred Scenario by Edwards Aquifer Recharge Zone

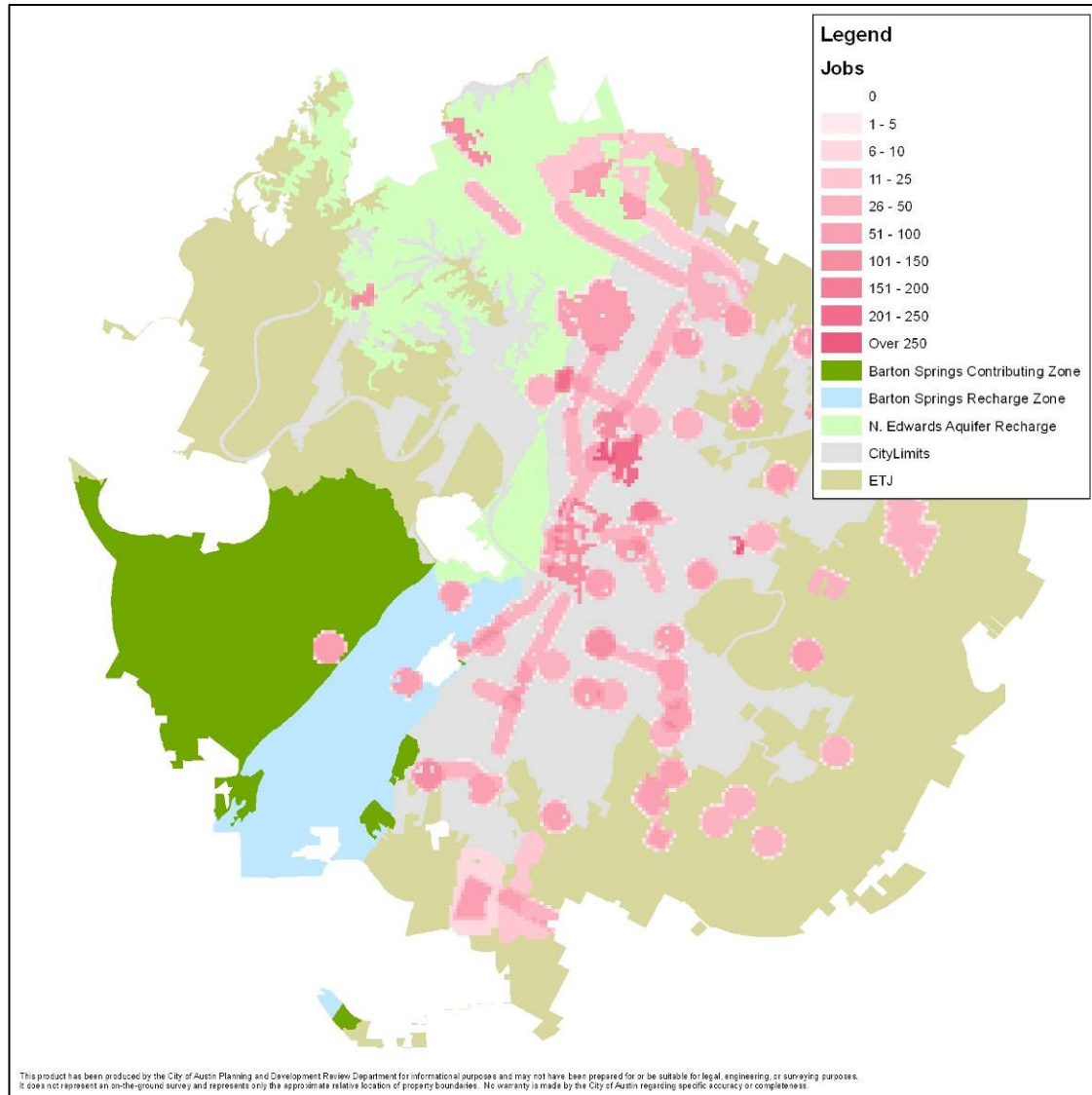


Preferred Scenario



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Jobs Added with Preferred Scenario by Edwards Aquifer Recharge Zone



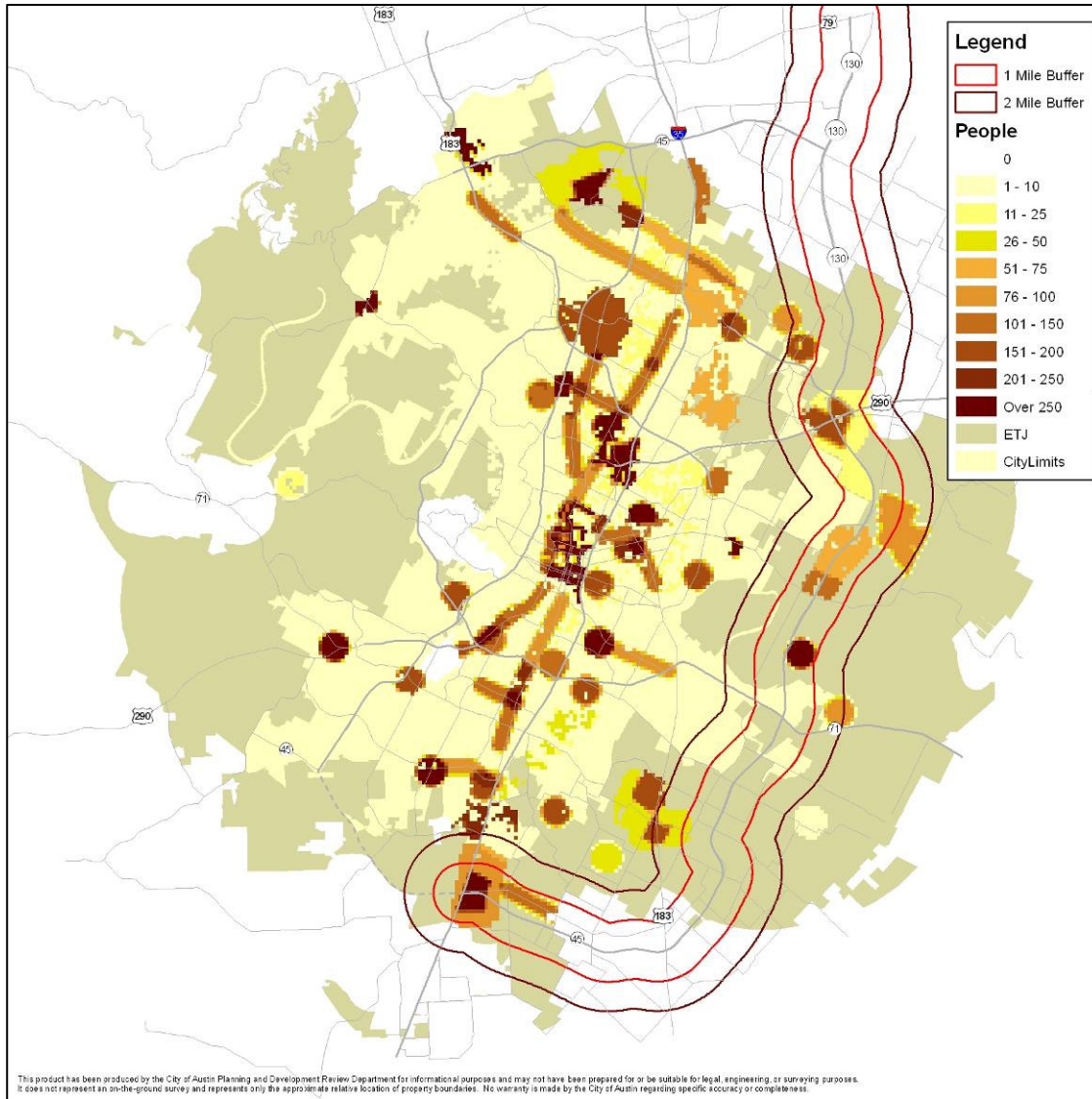
Preferred Scenario

Population and Jobs Added with Preferred Scenario By Edwards Aquifer Zones

Recharge Zone	Total Added By 2039		Percentage of Grand Total	
	Population	Jobs	Pop.	Jobs
Barton Springs Contributing Zone	15,981	5,263	2.1%	1.8%
Barton Springs Recharge Zone	20,533	6,632	2.7%	2.2%
Total in Barton Edwards Aquifer Zone	36,514	11,895	4.9%	4.0%
N. Edwards Recharge Zone	107,851	41,219	14.4%	13.7%
Total in Edwards Aquifer Zones	144,365	53,114	19.2%	17.7%
Rest of ETJ/City Limits	605,635	246,885	80.8%	82.3%
Grand Total	750,000	300,000	100.0%	100.0%

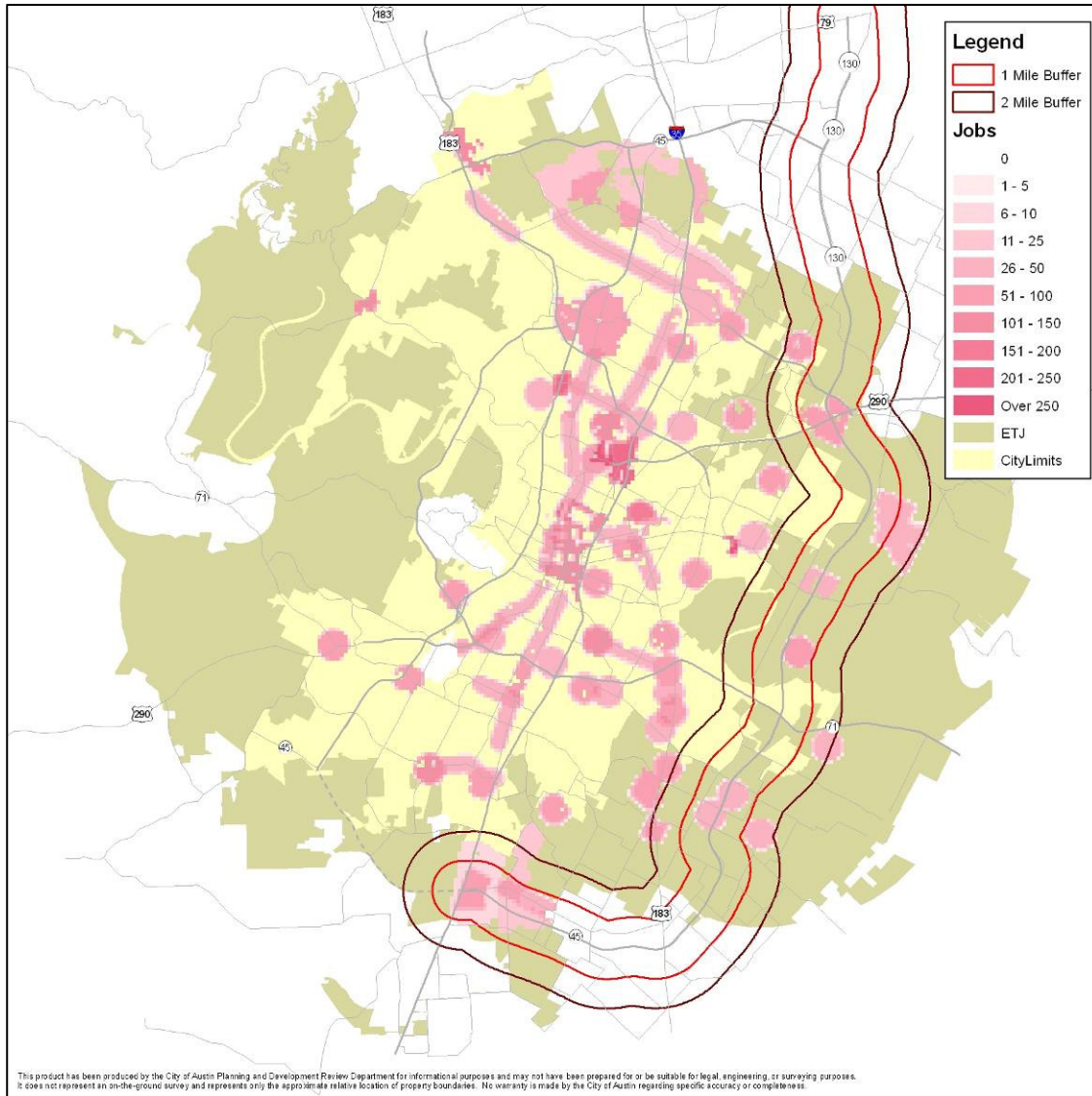
Preferred Scenario

Population Added with Preferred Scenario in SH130/45 Areas



Preferred Scenario

Jobs Added with Preferred Scenario in SH130/45 Areas



Preferred Scenario

Population and Jobs Added with Preferred Scenario in SH 130/45 Areas

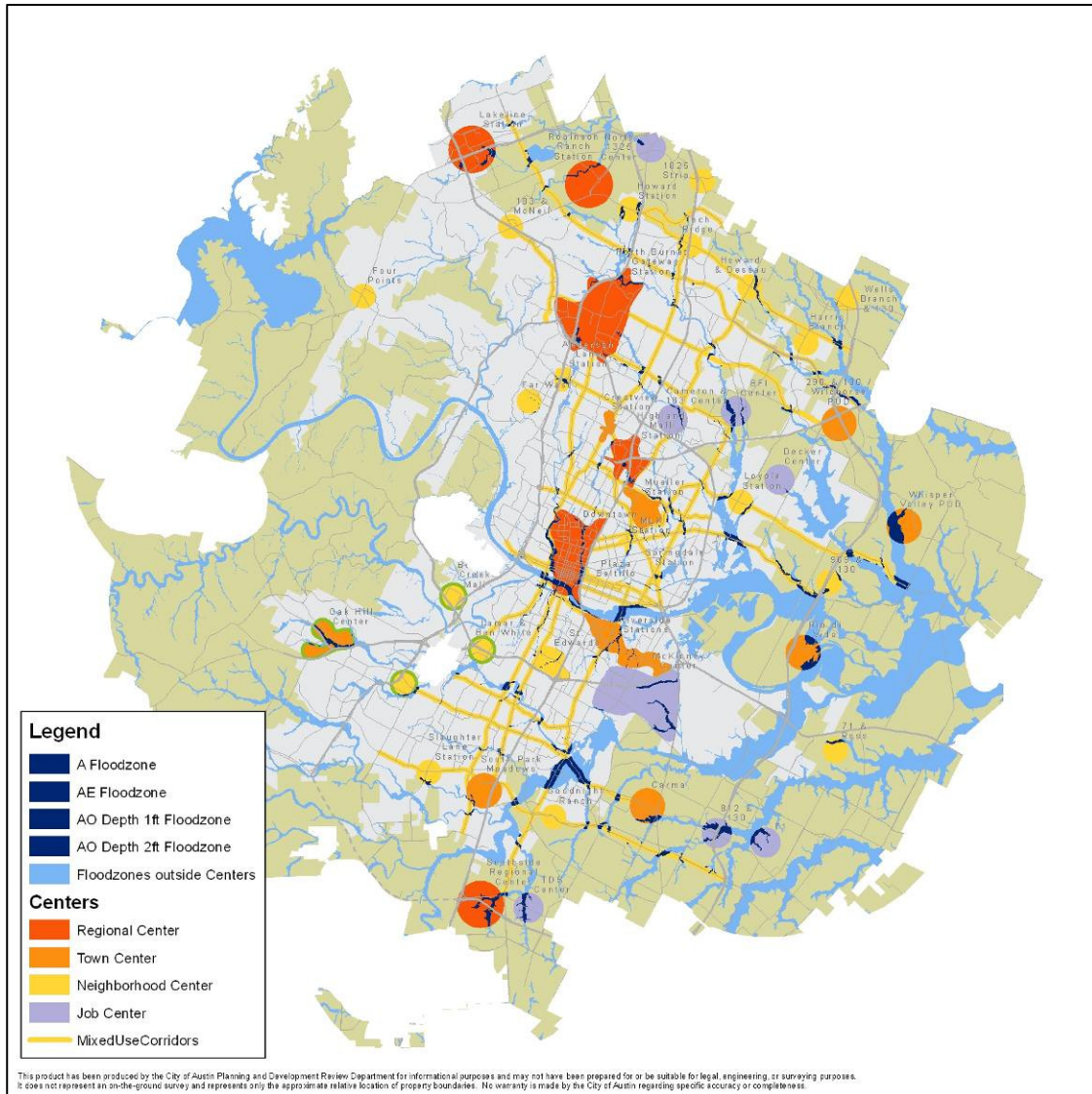
Area	Total Added By 2039		Percentage of Grand Total	
	Population	Jobs	Population	Jobs
Within 1 mile	95,481	34,165	12.7%	4.6%
Within 2 miles	33,935	12,858	4.5%	1.7%
Total Within 2 Miles	129,416	47,023	17.3%	15.7%
Rest of ETJ/City Limits	620,584	252,977	82.7%	84.3%
Grand Total	750,000	300,000	100.0%	100.0%

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Flood Plains and Growth Concept

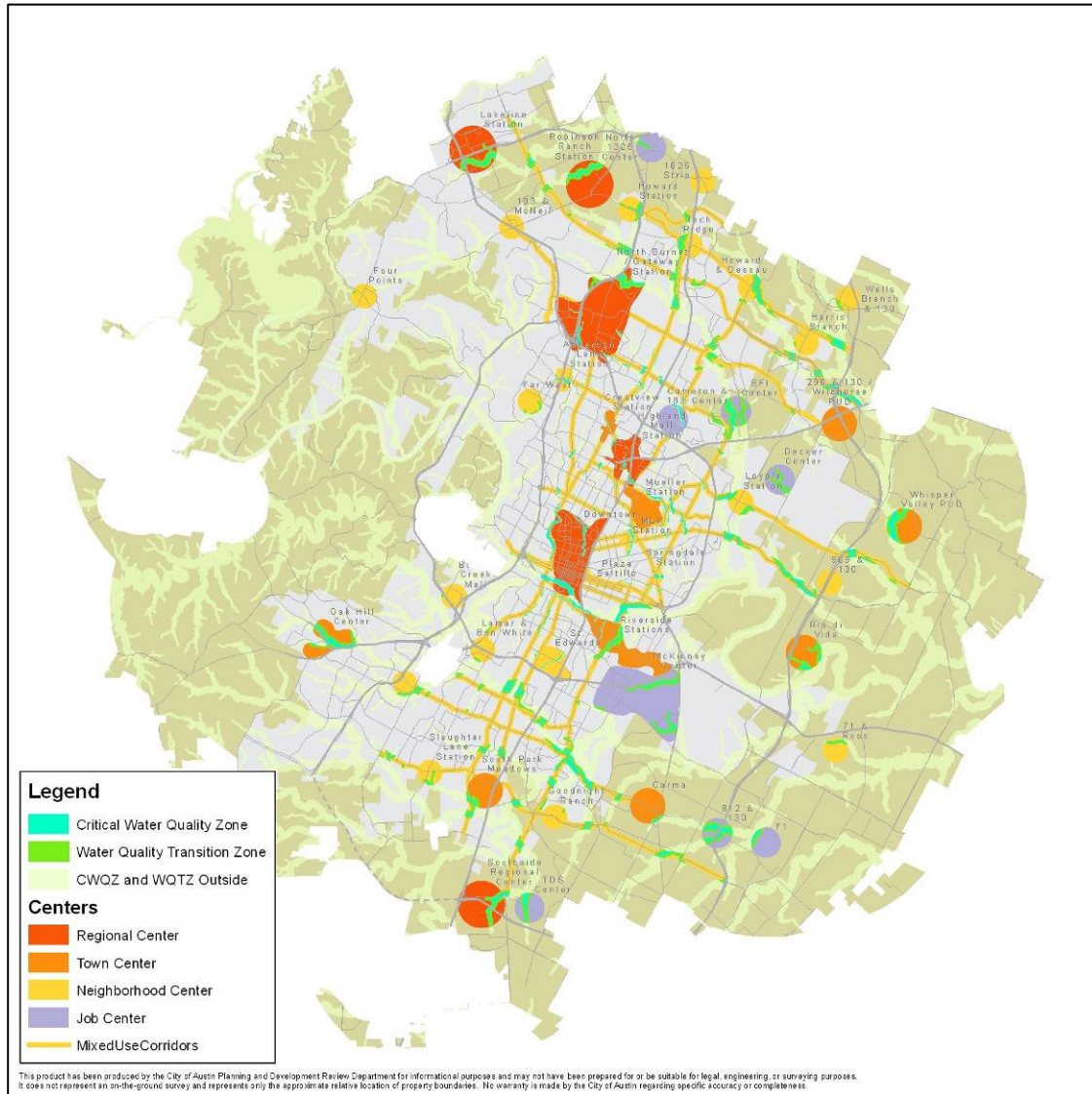


Growth Concept



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Stream Buffers and Growth Concept

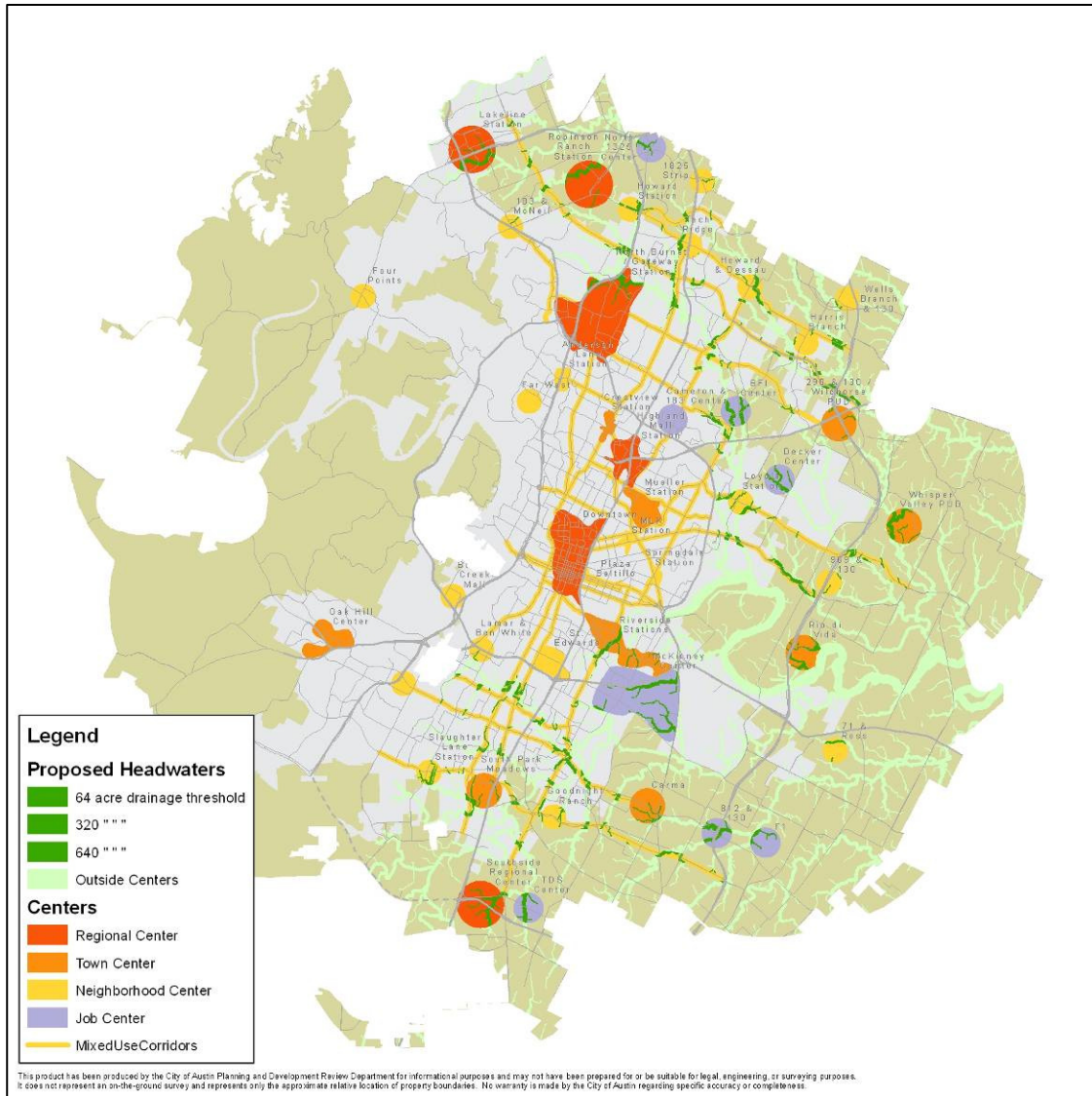


Growth Concept



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Proposed Headwaters and Growth Concept

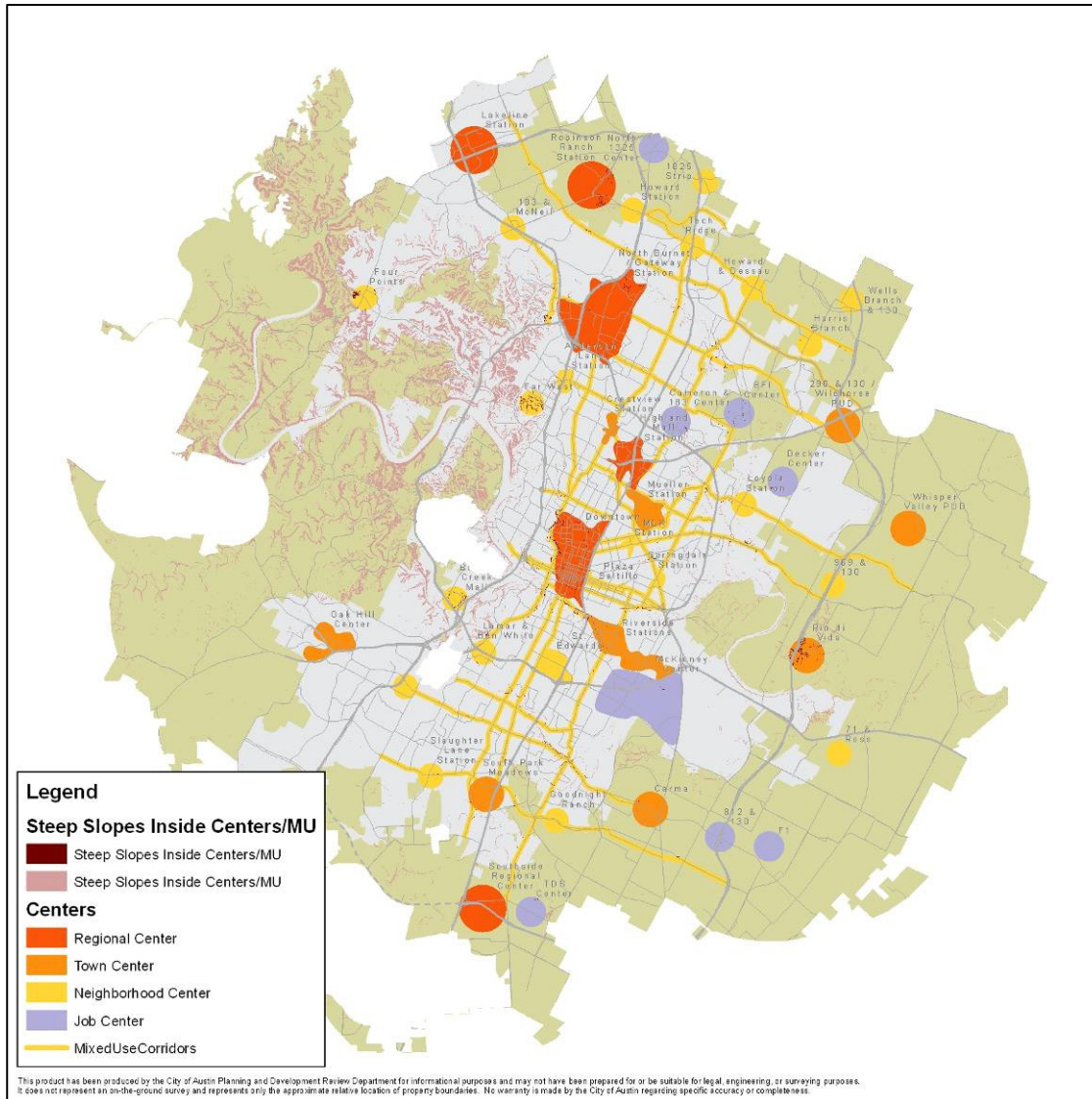


Growth Concept



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Steep Slopes and Growth Concept



Growth Concept



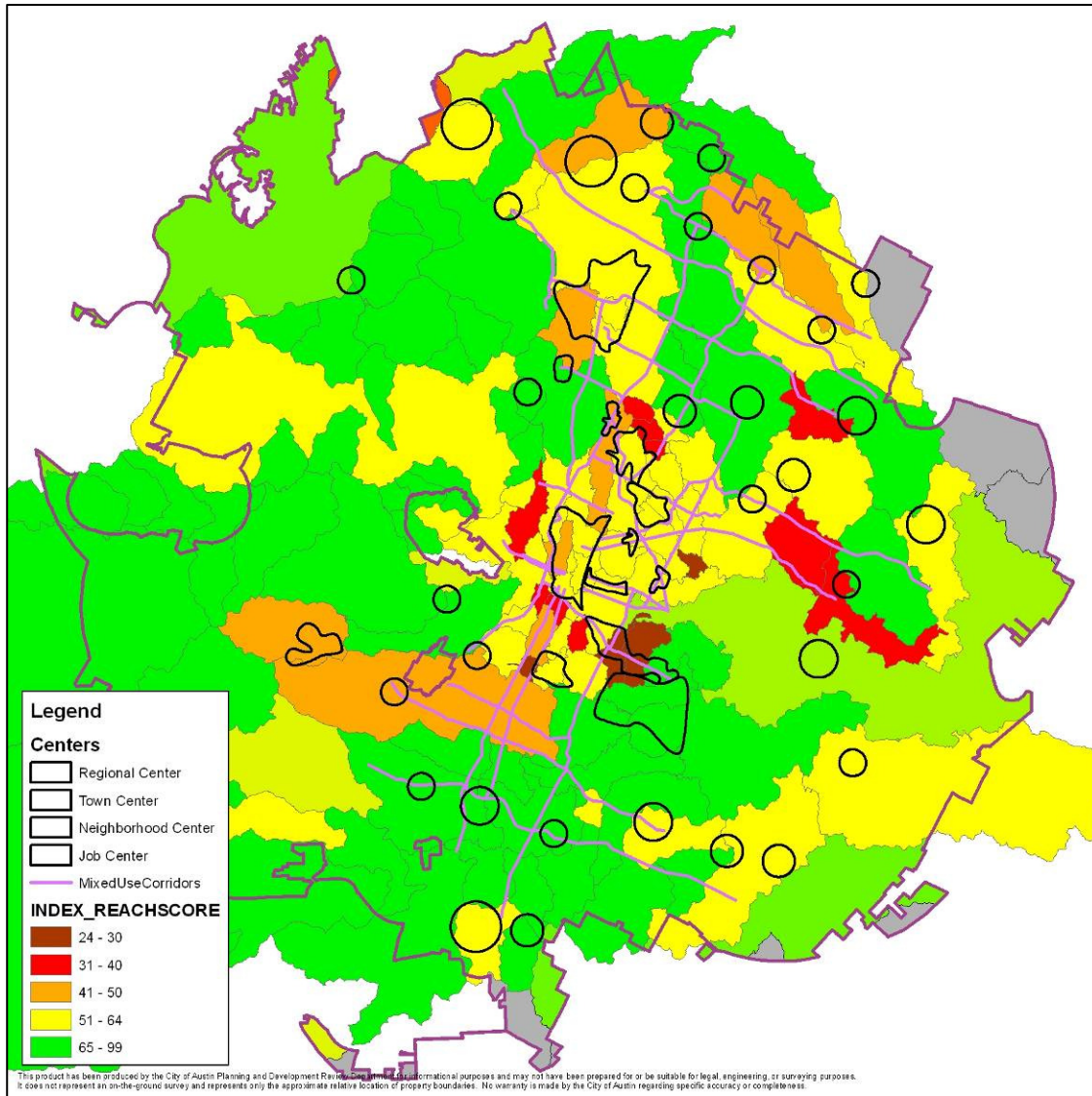
Environmentally Sensitive Areas¹ in Centers and Corridors

Type	Environmentally Sensitive Acres		
	Outside	Inside	Total Acreage
Centers	25,076.6	5,139.0	30,215.6
Percentage	83%	17%	100%
Corridors	25,292.7	4,999.5	30,292.1
Percentage	83%	17%	100%

Notes:

1. In this analysis, this refers to areas within the 100-year flood plain, steep slopes greater than 15%, critical and water quality transition zones, and the proposed headwaters in the eastern portion of the ETJ.
2. Some of the Centers and Corridors are simply general circles on the Growth Concept map, and will be further delineated as they are developed or changed through additional planning.

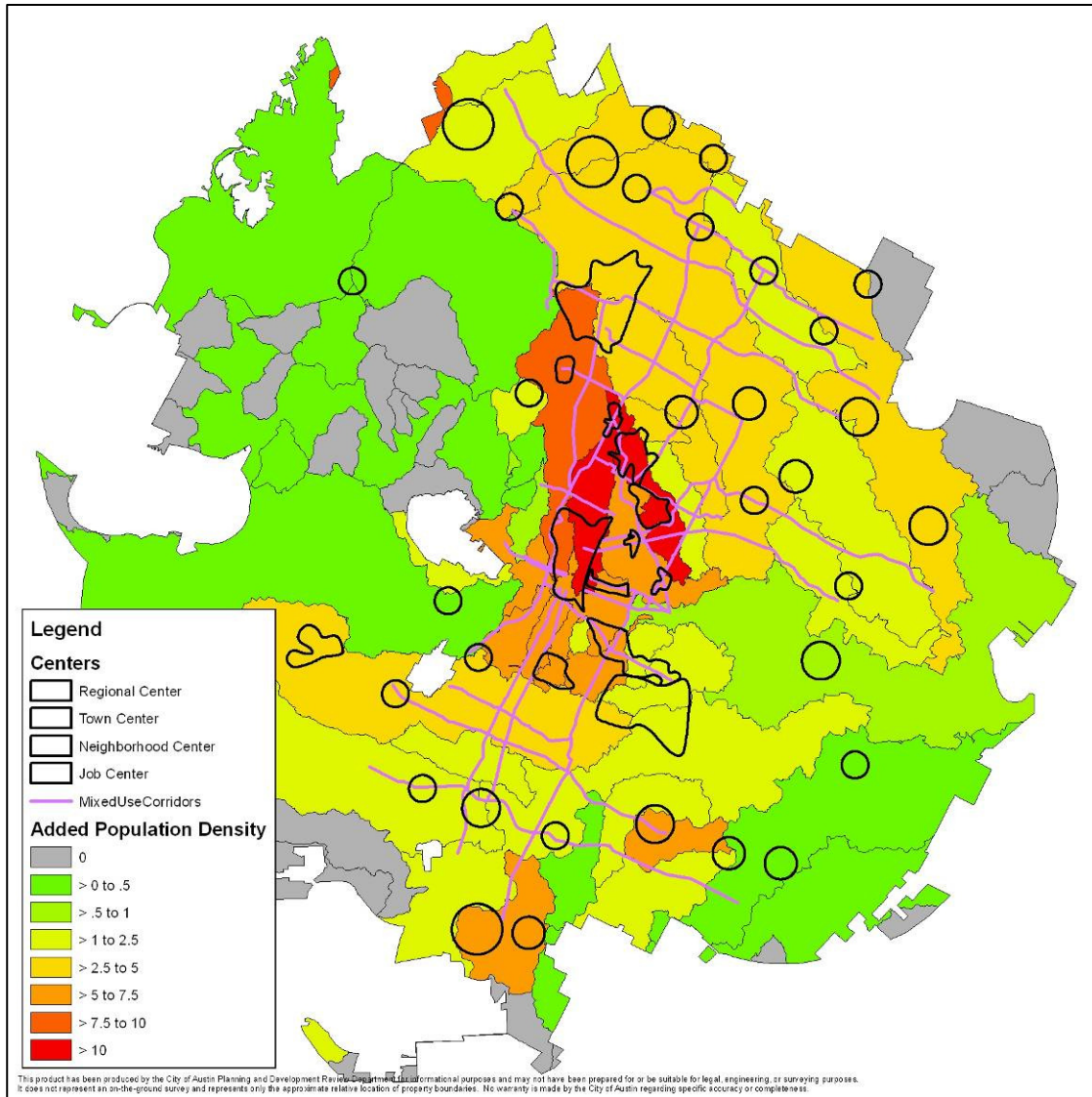
Watershed Environmental Integrity Index Scores And Growth Concept



This is the best descriptor of overall environmental condition for the sampling reach. Index scores are an integer between 0 and 100 with the scores classified as such: Excellent 88-100, Very Good 76-87, Good 63-75, Fair 51-62, Marginal 38-50 Poor 26-37, Bad 13-25, Very Bad 0-12. Problem Scores are an integer between 1 and 100 with 1 being "No Problem" and 100 being a highest priority. Resources: EII Methodology, Problem Score Methodology, Lake Index Methodology is in draft and is forthcoming.

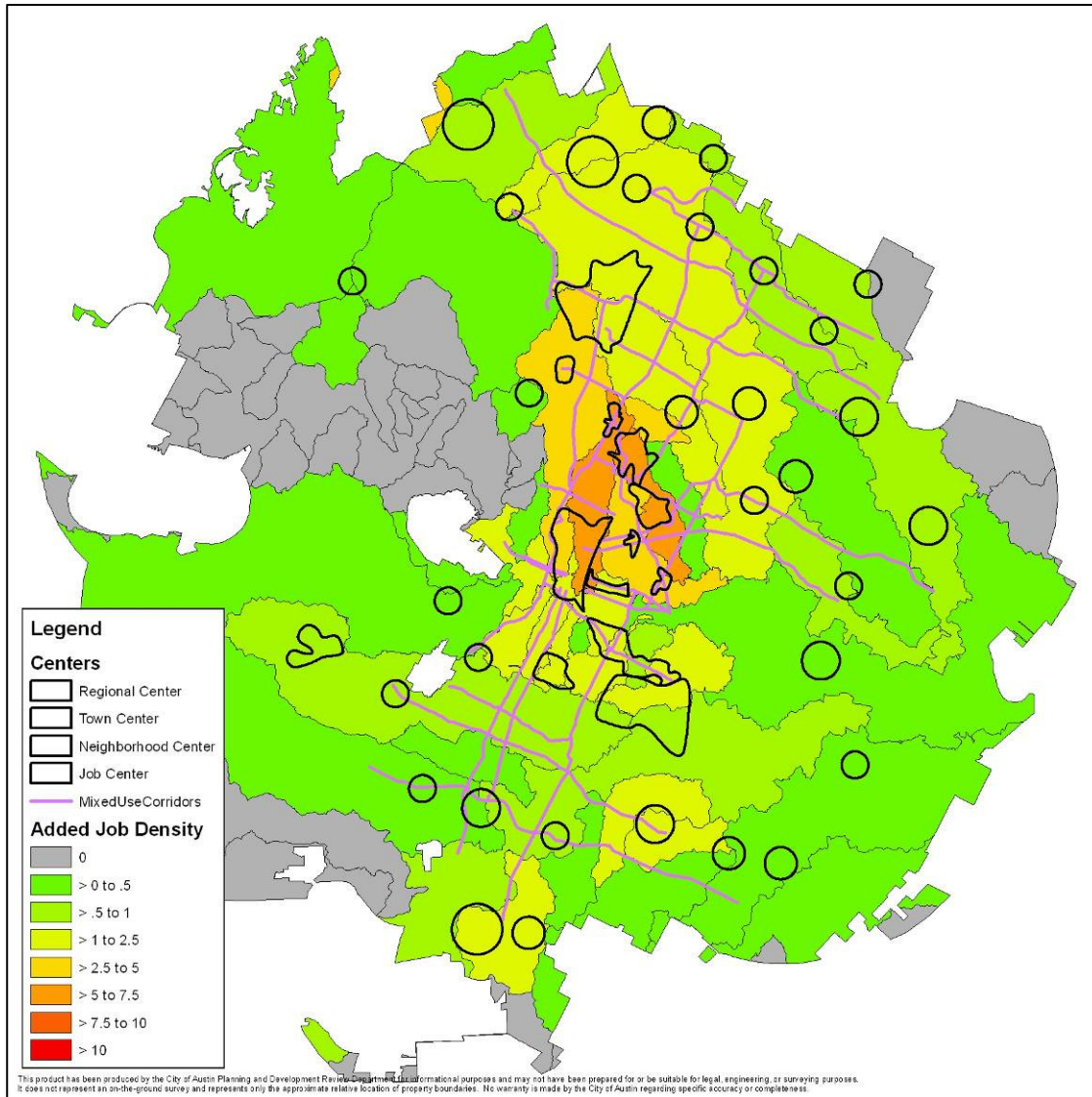
Growth Concept

Added Population Density with Preferred Scenario by Watershed Zones



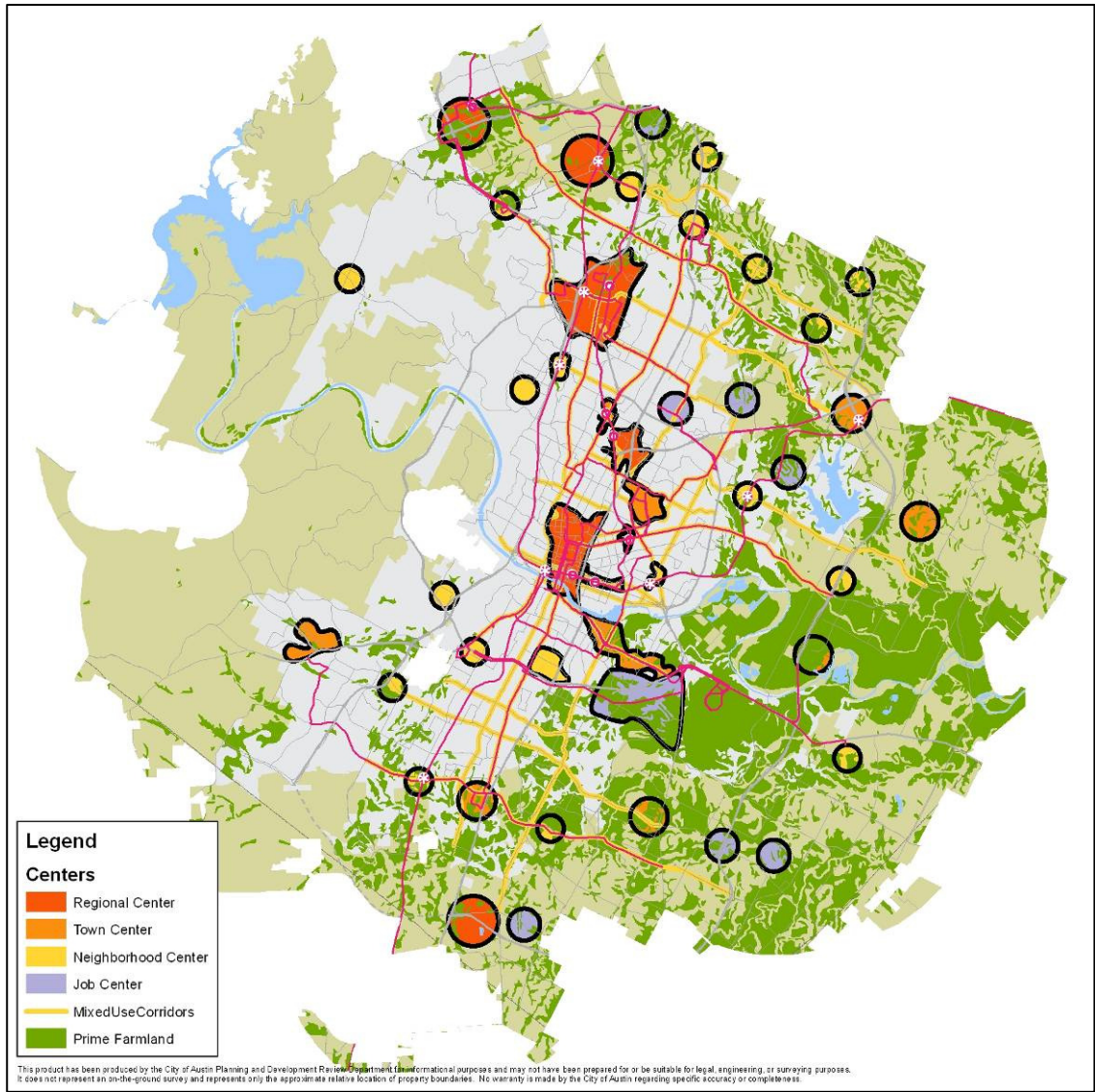
Preferred Scenario/Growth Concept

Added Jobs Density with Preferred Scenario by Watershed Zones



Preferred Scenario/Growth Concept

Prime Farmland and Growth Concept



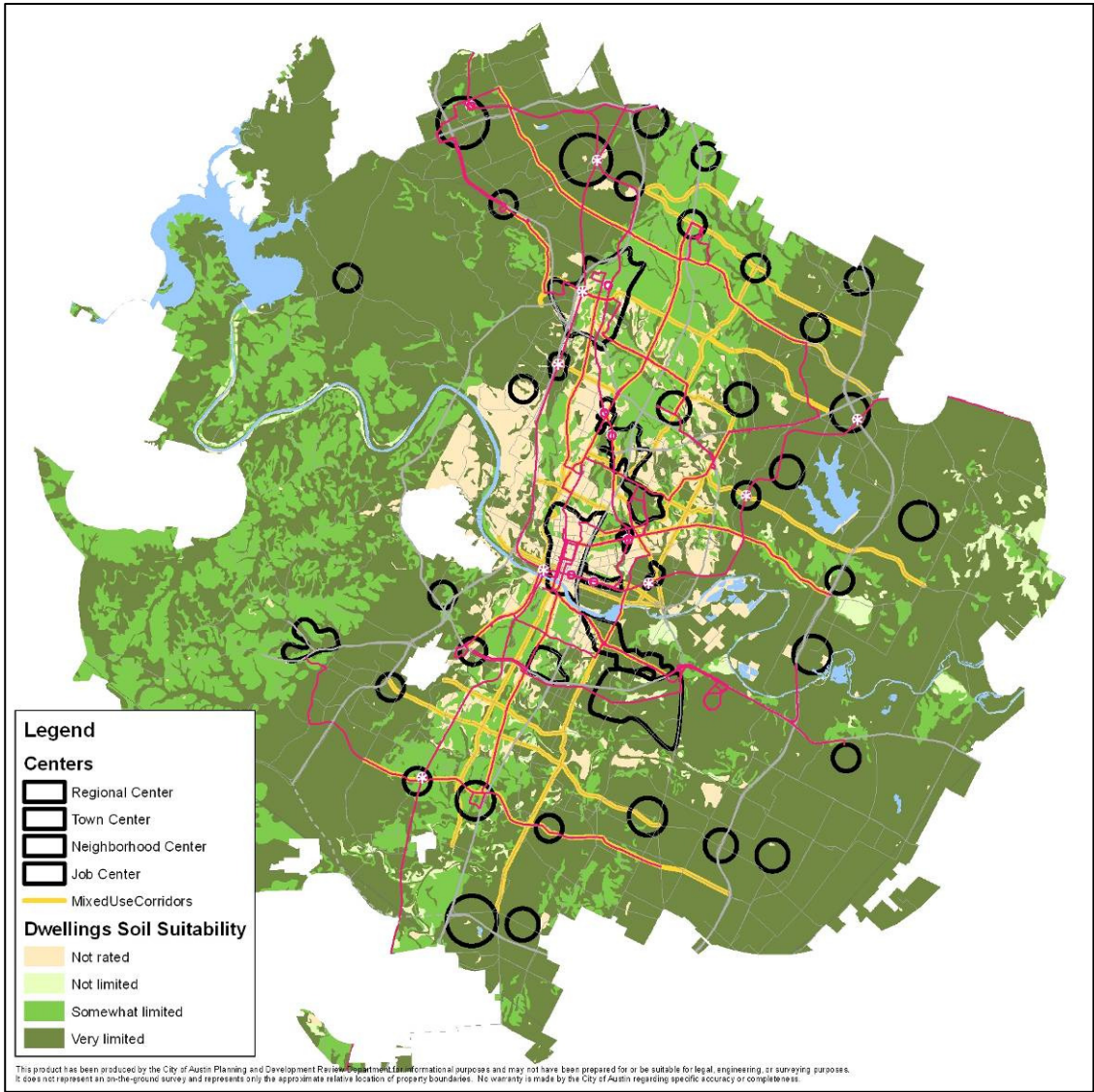
	Acres	
	Centers	Corridors
All areas prime farmland	7,807	22,409
Not in prime farmland	5,241	25,051
Grand Total	30,216	30,292

Sources: USDA, City of Austin

This data consists of general soil association units. It was developed by the National Cooperative Soil Survey and supersedes the State Soil Geographic (STATSGO) data set published in 1994. It consists of a broad based inventory of soils and nonsoil areas that occur in a repeatable pattern on the landscape and that can be cartographically shown at the scale mapped. The data set was created by generalizing more detailed soil survey maps. Where more detailed soil survey maps were not available, data on geology, topography, vegetation, and climate were assembled, together with Land Remote Sensing Satellite (LANDSAT) images. Soils of like areas were studied, and the probable classification and extent of the soils were determined.

This data is not designed for use as a primary regulatory tool in permitting or citing decisions, but may be used as a reference source. When data from the Digital General Soil Map of U.S. are overlayed with other data layers, caution must be used in generating statistics on the co-occurrence of the land use data with the soil data. The composition of the soil map unit can be characterized independently for the land use and for the soil component, but there are no data on their joint occurrence at a more detailed level. Analysis of the overlayed data should be on a map polygon basis.

Dwellings Soil Suitability and Growth Concept



	Acres	
	Centers	Corridors
Not limited	288	303
Not rated	4,328	5,413
Somewhat limited	5,367	9,419
Very limited	20,233	15,157
Grand Total	30,216	30,292

Sources: USDA, City of Austin
 This data consists of general soil association units. It was developed by the National Cooperative Soil Survey and supersedes the State Soil Geographic (STATSGO) data set published in 1994. It consists of a broad based inventory of soils and nonsoil areas that occur in a repeatable pattern on the landscape and that can be cartographically shown at the scale mapped. The data set was created by generalizing more detailed soil survey maps. Where more detailed soil survey maps were not available, data on geology, topography, vegetation, and climate were assembled, together with Land Remote Sensing Satellite (LANDSAT) images. Soils of like areas were studied, and the probable classification and extent of the soils were determined.

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