



COLORADO

Water Quality
Control Commission

Department of Public Health & Environment

NOTICE OF PUBLIC RULEMAKING HEARING BEFORE THE COLORADO WATER QUALITY CONTROL COMMISSION

SUBJECT:

For consideration of the adoption of revisions to the Site-Specific Water Quality Classifications and Standards for Ground Water, Regulation #42 (5 CCR 1002-42). Revisions to Regulation #42 proposed by the Water Quality Control Division, along with a proposed Statement of Basis, Specific Statutory Authority and Purpose, are attached to this notice as Exhibit 1.

The Division is proposing to move all of the Figures/maps in Regulation #42 to the end of the regulation, and to replace the existing maps with an updated GIS version. No substantive changes to the specified areas are proposed. Any alternative proposals related to the subject of this hearing will also be considered.

During the commission's consideration of whether to approve this notice of rulemaking, the commission determined that there is not a likelihood of significant controversy during the rulemaking process. Therefore, the commission has chosen to pursue an alternative rulemaking process consistent with section 24-4-103(4)(a) C.R.S.; and section 21.3(C)(5) of the Procedural Rules. It is the goal of the commission to complete this rulemaking without oral testimony.

SCHEDULE OF IMPORTANT DATES

Proponent's initial comments due	11/30/2016 5 pm	Additional information below.
Responsive comments due	12/14/2016 5 pm	Additional information below.
Rulemaking Deliberations	01/09/2017 11:00 am	Florence Sabin Conference Room Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, CO 80246

HEARING SUBMITTALS:

For this hearing, the commission will receive all submittals electronically. Submittals must be provided as PDF documents, except for raw data exhibits which may be provided as Excel workbooks. Submittals may be emailed to cdphe.wqcc@state.co.us, provided via an FTP site, CD or flash drive, or otherwise conveyed to the commission office so as to be received no later than the specified date.

PARTY STATUS:

Pursuant to section 21.3(D) of the commission's Procedural Rules, there shall be no party status for this rulemaking proceeding.

WRITTEN COMMENTS:

The commission encourages input from interested members of the public. Written comments should be emailed to cdphe.wqcc@state.co.us by 12/14/2016.

SPECIFIC STATUTORY AUTHORITY:

The provisions of sections 25-8-202; 25-8-203; and 25-8-204, C.R.S., provide the specific statutory authority for consideration of the regulatory amendments proposed by this notice. Should the commission adopt the regulatory language as proposed in this notice or alternative amendments, it will also adopt, in compliance with section 24-4-103(4) C.R.S., an appropriate Statement of Basis, Specific Statutory Authority, and Purpose.

Dated this 16th day of September, 2016 at Denver, Colorado.

WATER QUALITY CONTROL COMMISSION

Trisha Oeth, Administrator

EXHIBIT 1

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Water Quality Control Commission

REGULATION NO. 42

SITE-SPECIFIC WATER QUALITY CLASSIFICATIONS AND STANDARDS FOR GROUND WATER

5 CCR 1002-42

42.1 AUTHORITY

These regulations are promulgated pursuant to section 25-8-202, 25-8-203, and 25-8-204 of the Colorado Water Quality Control Act, and the provisions of "The Basic Standards for Ground Water Regulation No. 41 (5 CCR 1002-41)."

42.2 PURPOSE

The purpose of these regulations is to apply the framework for ground water classifications and water quality standards, as set forth in "The Basic Standards for Ground Water, Regulation No. 41 (5 CCR 1002-41)" to specific ground waters in the state, and to adopt an interim narrative standards to protect these ground waters prior to the adoption of use classifications and numerical standards for specific areas.

42.3 INDEX OF CLASSIFIED AREAS

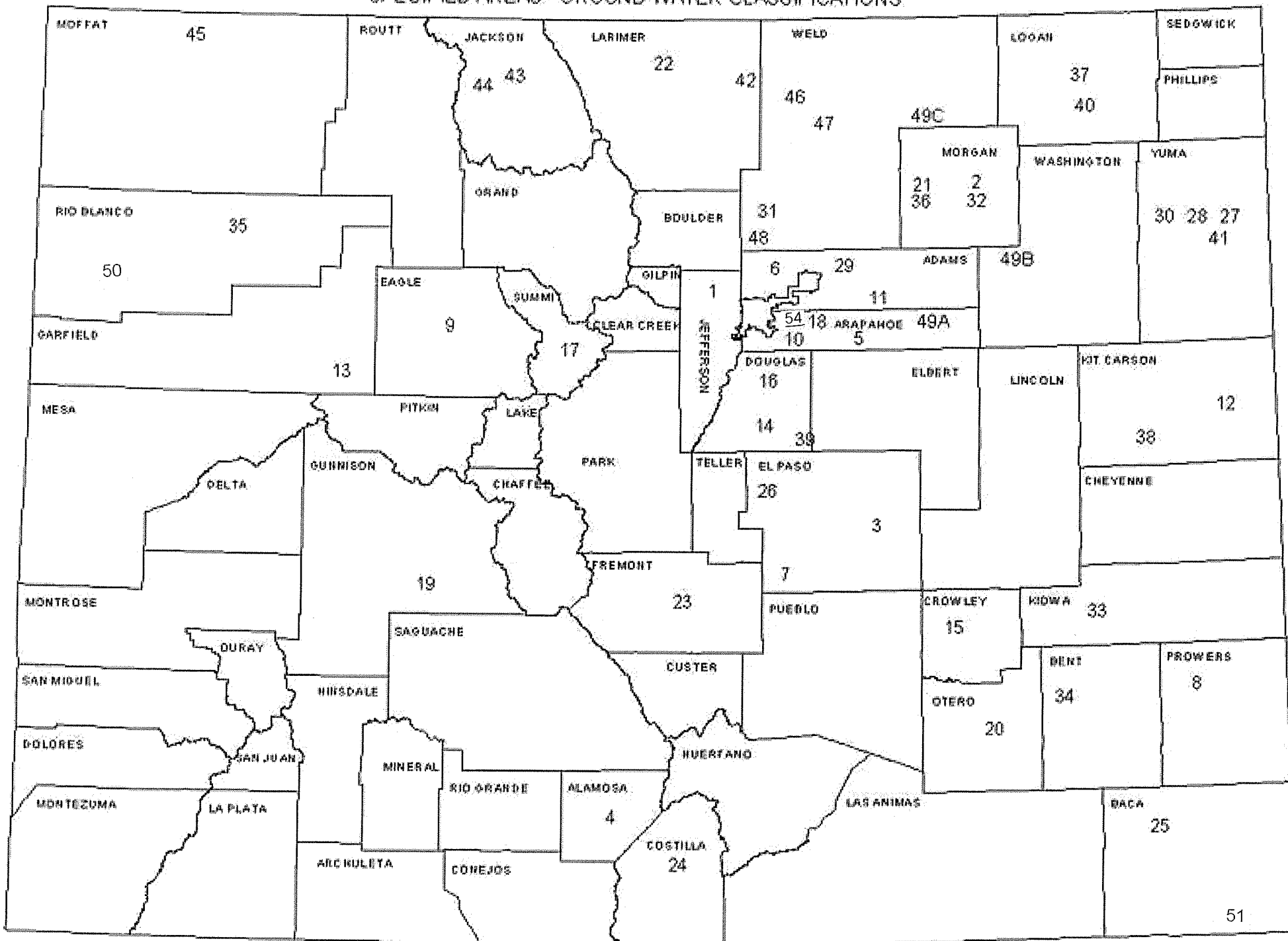
GROUND WATER TO WHICH THE WATER QUALITY CONTROL COMMISSION
HAS ASSIGNED USE CLASSIFICATIONS AND WATER QUALITY STANDARDS

LOCATION	COUNTY	DATE ADOPTED	FIGURE #	NARRATIVE PAGE #	FIGURE PAGE #
Alamosa	Alamosa	05/93	4	11-9	14-44
Bennett	Adams	06/94	11	22-11	24-51
Brighton	Adams	11/94	29	45-17	48-69
Brush	Morgan	05/91	2	11-8	12-42
Burlington	Kit Carson	06/94	12	25-11	26-52
Carbondale	Garfield	06/94	13	25-12	27-53
Castle Rock	Douglas	06/94	14	25-12	28-54
Co. Oil & Gas Fields	Logan, N Washington & NE Morgan	09/97	40	61-20	63-80
Crowley County	Crowley	06/94	15	29-12	30-55
Denver SE Suburban W & SD	Douglas	06/94	16	29-13	31-56
E. Cherry Creek Valley W & SD	Arapahoe	05/93	5	15-9	16-45
E. Dillon WD	Summit	06/94	17	29-13	32-57

LOCATION	COUNTY	DATE ADOPTED	FIGURE #	NARRATIVE PAGE #	FIGURE PAGE #
Eckley	Yuma	11/94	30	49-17	50-70
Federal Heights WD	Adams	05/93	6	15-9	17-46
Fort Lupton	Weld	11/94	31	49-17	51-71
Fort Morgan	Morgan	11/94	32	49-18	52-72
Fountain/Security/Stratmoor Hills/Widefield	El Paso	05/93	7	18-10	19-47
Glendale/Cherry Creek Valley W & SD	Arapahoe	06/94	18	33-13	34-58
Gunnison	Gunnison	06/94	19	33-14	35-59
Haswell	Kiowa	11/94	33	53-18	54-73
Lamar	Prowers	05/93	8	18-10	20-48
La Junta	Otero	06/94	20	33-14	36-60
Las Animas	Bent	11/94	34	53-18	55-74
Lowry Air Force Base (Former)/City and County of Denver/City of Aurora	Arapahoe and Denver	06/14	54A/54B	87-26	89-97
Meeker	Rio Blanco	11/94	35	53-19	56-75
Morgan County Qual WD	Morgan	06/94	21	37-14	38-61
“ “ “ “	“	11/94	36	57-19	58-76
No CO Water Assn	Larimer	06/94	22	37-15	39-62
Park Center WD	Fremont	06/94	23	37-15	40-63
Oil & Gas Fields	Larimer	12/99	42	64-21	66-82
Oil & Gas Fields East-Central Jackson County	Jackson	12/99	43	67-21	68-83
Oil & Gas Fields West-Central Jackson County	Jackson	12/99	44	67-22	69-84
Oil & Gas Fields Northern Moffat County	Moffat	12/99	45	70-22	71-85
Oil & Gas Fields Weld County	Weld	12/00	46	70-23	72-86
Oil & Gas Fields Weld County	Weld	12/00	47	73-23	74-87
Oil & Gas Fields Weld County	Weld	12/00	48	73-23	75-88

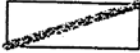
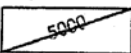
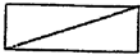
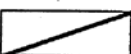
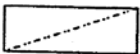





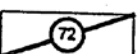
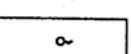

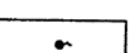
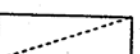







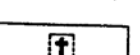
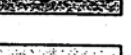

LOCATION	COUNTY	DATE ADOPTED	FIGURE #	NARRATIVE PAGE #	FIGURE PAGE #
Oil & Gas Fields Adams, Arapahoe	Adams, Arapahoe	12/00	49A	76-24	77-89
Morgan, Washington	Morgan, Washington	12/00	49B	76-24	78-90
Weld Counties	Weld	12/00	49C	76-24	79-91
Oil & Gas Fields Rio Blanco County	Rio Blanco	12/01	50	76-24	80-92
Oil & Gas Fields Baca County	Baca	09/02	51	81-25	82-93
Oil & Gas Fields Cheyenne and	Cheyenne	12/03	52A	83-25	84-94
Kit Carson Counties	Kit Carson	12/03	52B	83-25	85-95
<u>Oil & Gas Fields (Hiawatha)</u> <u>Moffat County</u>	<u>Moffat</u>	<u>03/04</u>	<u>53</u>	<u>25</u>	<u>96</u>
Rangely Oil & Gas Field	Rio Blanco	04/98	41	64-21	65-81
Rocky Flats	Jeff/Boulder	02/91	1	7-6	9-41
San Luis W & SD	Costilla	06/94	24	41-15	42-64
SW Protection Area	Kit Carson	10/95	38	57-19	60-78
Springfield	Baca	06/94	25	41-15	43-65
Sterling	Logan	11/94	37	57-19	59-77
Upper Black Squirrel	El Paso	05/91	3	11-8	13-43
Upper Cherry Crk & Denver Basins	El Paso/Douglas/ Arapahoe	01/96	39	61-20	62-79
Vail Valley	Eagle	05/93	9	18-10	21-49
Willows/Centennial Class Area	Arapahoe & Douglas	05/93	10	22-11	23-50
Woodmore W&S	El Paso	06/94	26	41-16	44-66
Wray	Yuma	06/94	27	45-16	46-67
Yuma	Yuma	06/94	28	45-16	47-68

INDEX MAP
SPECIFIED AREAS - GROUND WATER CLASSIFICATIONS



SPECIFIED AREAS FOR WELLFIELDS IN THE STATE OF COLORADO

Legend

Cultural Features	Physical Features
 Specified Wellfield Area	 Elevation Contour
 State Boundary	 River
 County Boundary	 Stream or Creek
 Interstate Highway (Controlled Access)	 Intermittent Stream
 Federal Highway	 Ditch or Canal
 Colorado State Highway	 Spring
 County Road and City Street	 Well
 Four Wheel Drive Trail	 Sewage Treatment Ponds
 Railroad	 Lake or Reservoir
 Oil Pipeline	 Dry Lake
 Gravel Pit or Quarry	 Built Up Area Within City Limits
 Cemetery	 Recreational Area
 Campground	

Coordinate Grid: Public Land Survey System

Projection UTM Zone 13

Compiled from U. S. Census Bureau TIGER Files
By Lew Hyer and Douglas Steinshouer

42.5 DEFINITIONS

The following definitions are applicable to these regulations:

- (1) "Alluvium" is clay, silt, sand or gravel, or similar unconsolidated detrital material deposited during comparatively recent geologic time by a stream or other body of running water as a sorted or semisorted sediment in the bed of the stream or on its flood plain or delta, or as a cone or fan at the base of a mountain slope.
- (2) "Confined Ground Water" is ground water under greater than atmospheric pressure beneath or between layers of relatively impermeable material; the static water level rises above the bottom of the confining layer.
- (3) "River Alluvium and Terrace Gravel System" are aquifers located within those alluvium formations mapped on the "Geologic Map of Colorado" (Ogden Tweto, 1979) as "Qa-Modern Alluvium." (includes Piney Creek Alluvium and younger deposits) and "Qg-Pinedale and Bull Lake Age Gravels and Alluvium." (includes Broadway and Louviers Alluvium).
- (4) "Saturated Zone" is a subsurface zone in which all of the interstices are filled with water under pressure greater than that of the atmosphere. This zone is separated from the zone of aeration by the water table.
- (5) "State" is defined in the Constitution of the State of Colorado, article 1 as commencing on the thirty-seventh parallel of north latitude, where the twenty-fifth meridian of longitude west from Washington crosses the same; thence north, on said meridian to the forty-first parallel of north latitude; thence along said parallel, west, to the thirty-second meridian of longitude west from Washington; thence south, on said meridian, to the thirty-seventh parallel of north latitude; thence along said thirty-seventh parallel of north latitude to the place of beginning.
- (6) "Unconfined Ground Water" is ground water that has a free water table; i.e., water not confined under pressure beneath relatively impermeable rocks.
- (7) "Upper Hydro-Stratigraphic Unit" is the uppermost layer of ground water incorporating any aquifer or other zone of ground water occurrence which is the first encountered beneath the ground surface and includes all saturated geologic formations, unconsolidated alluvium and colluvium, and hydraulically connected zones in bedrock.

42.6 (RESERVED)

42.7 SITE-SPECIFIC GROUND WATER CLASSIFICATIONS AND WATER QUALITY STANDARDS

The statewide standards for organic chemicals and radioactive materials set forth in section 41.5 C of The Basic Standards for Ground Water apply to all ground water for which site specific classifications and standards have been adopted, unless the Commission specifies otherwise in the site-specific standards for a particular specified area.

The following classifications and standards shall not be interpreted so as to cause material injury to water rights in accordance with 25-8-104 C.R.S. (1989):

(1) ROCKY FLATS AREA, JEFFERSON AND BOULDER COUNTIES

- (a) Specified Area: All unconfined ground waters within i) the Upper Hydro-Stratigraphic Unit (UHSU), including the unconsolidated Quaternary and Rocky Flats alluvium, colluvium and valley fill alluvium, and weathered claystone and hydraulically connected sandstone

bedrock of the Arapahoe and Upper Laramie formations; ii) the Arapahoe and Upper Laramie aquifers not hydraulically connected to the UHSU; and iii) the Laramie-Fox Hill aquifer, within the area shown on Figure 1.

(b) Classification: The classification of the ground waters within the specified area is:

1. Upper Hydro-Stratigraphic Unit:

- Surface Water Protection

(c) Water Quality Standards:

(i) The water quality standards included in section 31.11(2) (statewide surface water radioactive materials standards), section 31.11(3) (statewide surface water interim organic pollutant standards), and the site-specific surface water quality standards for segments 4a, 4b and 5 of Big Dry Creek (in section 38.6 of the South Platte Basin Classifications and Standards) are assigned to UHSU ground water described in 42.7(1)(a).

(ii) An agency implementing the standards may, if it has authority, set a compliance standard different from the listed standard and equal to the background level if the implementing agency has the authority to exceed that standard.

(iii) Where a toxic substance for which no numerical standard has been established is found in a detectable amount, notification shall be given as soon as possible to the operator of the Rocky Flats Environmental Technology Site; the United States Department of Energy; the United States Environmental Protection Agency; and the Water Quality Control Division, which will consult as necessary with other components of the Colorado Department of Public Health and Environment. Those entities will meet and attempt to reach a consensus concerning the appropriate numerical protection level for that substance. If consensus is a numerical protection level. Where consensus cannot be reached, the Division will determine the appropriate numerical protection level.

In setting a numerical protection level, the entities listed above will consider the existing and any reasonably probable future beneficial uses of ground water that need to be protected in the vicinity of the discharge, and establish the appropriate corresponding numerical protection levels for specific contaminants, based on those beneficial uses, as outlined in section 41.5(b) of "The Basic Standards for Ground Water." The entities will take into account reasonably available information.

A determination made by these entities or the Division in accordance with the procedure described above will not be deemed to constitute a ground water quality standard and will not be applicable outside the specified area for this hearing.

If numerical protection levels are established by agreement of the entities, they will jointly petition the Commission for rulemaking to set a standard at the numerical protection level. If the Division establishes a numerical protection level without agreement of all entities, the Division shall ask the Commission to set a standard consistent with the numerical protection level.

If any interested person disagrees with a determination made by the Division in accordance with the procedure described above, it may petition the Commission

to adopt a site-specific standard different from the numerical protection level. Any determination made by the Commission during the hearing process would then become binding on the Division, the Department of Energy, and the operator of the Rocky Flats Environmental Technology Site. At the request of the Department of Energy or the operator of the Rocky Flats Site or an interested person, the Commission will consider such a hearing to be mandatory and de novo.

SITE-SPECIFIC RADIONUCLIDE STANDARDS* (in Picocuries/Liter)

A. Ambient based site-specific standards for ground waters in the UHSU hydraulically connected to the surface streams shown:

	Segment 4	Segment 4
	Segment 5	Segment 5
	Woman	Walnut
	<u>Creek</u>	<u>Creek</u>
Gross alpha	7	11
Gross Beta	8	19
Tritium	500	500
Uranium	11	10

* Statewide Standards also apply for radionuclides not listed above.

(2) CITY OF BRUSH WELLFIELD, MORGAN COUNTY

- (a) Specified Area: All unconfined ground waters within the saturated zone underlying that area as illustrated in Figure 2.
- (b) Classification: The classifications of the unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all unconfined ground water in the specified area.

(3) UPPER BLACK SQUIRREL CREEK ALLUVIAL AQUIFER, EL PASO COUNTY

- (a) Specified Area: All unconfined ground waters within the saturated zone underlying that area of El Paso County shown on Figure 3.
- (b) Classification: The classifications of the unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all unconfined ground water in the specified area.

(4) CITY OF ALAMOSA WELLFIELD, ALAMOSA COUNTY

- (a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 4. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(5) EAST CHERRY CREEK VALLEY WATER & SANITATION DISTRICT, ARAPAHOE COUNTY

- (a) Specified Area: All ground water underlying the area illustrated in Figure 5 within the saturated zone of the Denver Basin aquifers to include the Denver, Arapahoe, and Laramie-Fox Hills aquifers as defined by the Colorado Division of Water Resources' Denver Basin Rules (2 CCR 402-6); also the Dawson aquifer as defined by the Colorado Division of Water Resources' Denver Basin Rules (2 CCR 402-6), and all of the alluvial and unconfined ground water overlying the Denver Basin aquifers and underlying the area illustrated in Figure 5. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the ground water in the Denver, Arapahoe, and Laramie-Fox Hills aquifers within the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all ground water in the Denver, Arapahoe, and Laramie-Fox Hills aquifers within the specified area.

The interim narrative standard, as specified in the "Classifications and Water Quality Standards for Ground Water" 42.0 (5 CCR 1002-42), shall be applicable to the ground water in the Dawson aquifer and all of the alluvial and unconfined ground water overlying the Denver Basin Aquifers within the specified area:

(6) FEDERAL HEIGHTS WATER DISTRICT WELLFIELD, ADAMS COUNTY

- (a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 6. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:
 - Domestic Use-Quality

- Agricultural Use-Quality

- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(7) CITY OF FOUNTAIN, SECURITY WATER & SANITATION DISTRICT, STRATMOOR HILLS WATER DISTRICT, AND WIDFIELD HOMES WATER COMPANY WELLFIELDS, EL PASO COUNTY

- (a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 7. Maps depicting each specified area on a larger scale are available in the Commission Office.

- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(8) CITY OF LAMAR WELLFIELD, PROWERS COUNTY

- (a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 8. Maps depicting each specified area on a larger scale are available in the Commission Office.

- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(9) VAIL VALLEY CONSOLIDATED WATER DISTRICT WELLFIELDS, EAGLE COUNTY

- (a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 9. Maps depicting each specified area on a larger scale are available in the Commission Office.

- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

- (c) Ground Water Quality Standards: The ground water quality standards included in Table 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(10) WILLOWS, AND CENTENNIAL GROUND WATER CLASSIFICATION AREA, ARAPAHOE AND DOUGLAS COUNTIES

- (a) Specified Area: All ground waters underlying the area illustrated in Figure 10 and within the saturated zone of the Denver Basin aquifer system as defined by the Colorado Division of Water Resources' Denver Basin Rules (2 CCR 402-6) to include the Dawson, Denver, Arapahoe, and Laramie-Fox Hills aquifers and all the alluvial and unconfined ground water overlying the Denver Basin aquifers. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the ground water in the Dawson, Denver, Arapahoe, and Laramie-Fox Hills aquifers in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality

The classification of the alluvial and unconfined ground water overlying the Denver Basin aquifers in the specified area is:

- Agricultural Use-Quality

- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all ground water in the Dawson, Denver, Arapahoe, and Laramie-Fox Hills aquifers in the specified area.

The ground water quality standards included in the Tables 3 and 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all alluvial and unconfined ground water overlying the Denver Basin aquifers in the specified area.

(11) TOWN OF BENNETT WELLFIELD, ADAMS COUNTY

- (a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 11. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(12) CITY OF BURLINGTON WELLFIELD, KIT CARSON COUNTY

- (a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 12. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(13) TOWN OF CARBONDALE WELLFIELD, GARFIELD COUNTY

- (a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 13. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(14) TOWN OF CASTLE ROCK WELLFIELD, DOUGLAS COUNTY

- (a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 14. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(15) CROWLEY COUNTY WATER SYSTEM WELLFIELD, CROWLEY COUNTY

- (a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 15. Maps depicting each specified area on a larger scale are available in the Commission Office.

- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1-4 of the “Basic Standards for Ground Water” 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(16) DENVER SOUTHEAST SUBURBAN WATER & SANITATION DISTRICT WELLFIELD, DOUGLAS COUNTY

- (a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 16. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1-4 of the “Basic Standards for Ground Water” 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(17) EAST DILLON WATER DISTRICT WELLFIELD, SUMMIT COUNTY

- (a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 17. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the “Basic Standards for Ground Water” 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(18) CITY OF GLENDALE AND CHERRY CREEK VALLEY WATER AND SANITATION DISTRICT GROUND WATER CLASSIFICATION AREA, ARAPAHOE COUNTY

- (a) Specified Area: All confined and unconfined ground water within the saturated zone underlying the area as illustrated in Figure 18. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

(c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(19) CITY OF GUNNISON WELLFIELD, GUNNISON COUNTY

(a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 19. Maps depicting each specified area on a larger scale are available in the Commission Office.

(b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

(c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(20) CITY OF LA JUNTA WELLFIELD, OTERO COUNTY

(a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 20. Maps depicting each specified area on a larger scale are available in the Commission Office.

(b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

(c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(21) MORGAN COUNTY QUALITY WATER DISTRICT WELLFIELD, MORGAN COUNTY

(a) Specified Area: All confined and unconfined ground water within the saturated zone underlying the area as illustrated in Figure 21. Maps depicting each specified area on a larger scale are available in the Commission Office.

(b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(22) NORTHERN COLORADO WATER ASSOCIATION WELLFIELD, LARIMER COUNTY

- (a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 22. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(23) PARK CENTER WATER DISTRICT WELLFIELD, FREMONT COUNTY

- (a) Specified Area: All confined and unconfined ground water within the saturated zone underlying the area as illustrated in Figure 23. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classification: The classification of the confined and unconfined ground water in the specified area is:
 - Domestic Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(24) SAN LUIS WATER & SANITATION DISTRICT WELLFIELD, COSTILLA COUNTY

- (a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 24. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(25) TOWN OF SPRINGFIELD WELLFIELD, BACA COUNTY

- (a) Specified Area: All confined and unconfined ground water within the saturated zone underlying the area as illustrated in Figure 25. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(26) WOODMOOR WATER AND SANITATION DISTRICT WELLFIELD, EL PASO COUNTY

- (a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 26.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(27) CITY OF WRAY WELLFIELD, YUMA COUNTY

- (a) Specified Area: All confined and unconfined ground water within the saturated zone underlying the area as illustrated in Figure 27.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(28) CITY OF YUMA WELLFIELD, YUMA COUNTY

- (a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 28. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

(c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(29) CITY OF BRIGHTON WELLFIELD, ADAMS COUNTY

(a) Specified Area: All confined and unconfined ground water within the saturated zone underlying the area as illustrated in Figure 29. Maps depicting each specified area on a larger scale are available in the Commission Office.

(b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

(c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(30) TOWN OF ECKLEY WELLFIELD, YUMA COUNTY

(a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 30. Maps depicting each specified area on a larger scale are available in the Commission Office.

(b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

(c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(31) CITY OF FORT LUPTON WELLFIELD, WELD COUNTY

(a) Specified Area: All confined and unconfined ground water within the saturated zone underlying the area as illustrated in Figure 31. Maps depicting each specified area on a larger scale are available in the Commission Office.

(b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the “Basic Standards for Ground Water” 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(32) CITY OF FORT MORGAN WELLFIELD, MORGAN COUNTY

- (a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 32. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the “Basic Standards for Ground Water” 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(33) TOWN OF HASWELL WELLFIELD, KIOWA COUNTY

- (a) Specified Area: All confined and unconfined ground water within the saturated zone underlying the area as illustrated in Figure 33. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the “Basic Standards for Ground Water” 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(34) TOWN OF LAS ANIMAS WELLFIELD, BENT COUNTY

- (a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 34. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the “Basic Standards for Ground Water” 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(35) TOWN OF MEEKER WELLFIELD, RIO BLANCO COUNTY

- (a) Specified Area: All confined and unconfined ground water within the saturated zone underlying the area as illustrated in Figure 35. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(36) MORGAN COUNTY QUALITY WATER DISTRICT, (SAN ARROYO CREEK BASIN), MORGAN COUNTY

- (a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 36. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(37) CITY OF STERLING WELLFIELD, LOGAN COUNTY

- (a) Specified Area: All confined and unconfined ground water within the saturated zone underlying the area, EXCEPT FOR THE GROUND WATER CONTAINED WITHIN THE LOWER CRETACEOUS DAKOTA GROUP D, J, AND O SANDSTONES, as illustrated in Figure 37. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(38) SOUTHWEST WATER PROTECTION AREA, KIT CARSON COUNTY

- (a) Specified Area: All confined and unconfined ground water within the saturated zone underlying the area as illustrated in Figure 38. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(39) UPPER CHERRY CREEK BASIN AND DENVER BASIN ALLUVIAL AQUIFERS AND TRIBUTARIES, PORTIONS OF EL PASO, DOUGLAS AND ARAPAHOE COUNTIES

- (a) Specified Area: All confined and unconfined ground waters within the saturated zone underlying the area as illustrated in Figure 39. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classifications of the confined and unconfined ground water in the specified area are:
 - Domestic Use-Quality
 - Agricultural Use-Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Tables 1 - 4 of the "Basic Standards for Ground Water" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ground water in the specified area.

(40) COLORADO OIL AND GAS FIELDS OF LOGAN, NORTHERN WASHINGTON, AND NORTHEASTERN MORGAN COUNTIES, COLORADO

- (a) Specified Area: The confined ground waters within the Lower Cretaceous aged Dakota Group including the D, J, and O Sandstones underlying the area illustrated in Figure 40. Maps depicting each specified area on a larger scale are available in the Commission Office.
- (b) Classifications: The classification of the ground water in the D, J, and O Sandstones is:
 - Limited Use and Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Table 1 through 4 of the Basic Standards for Ground Water Regulation No. 41 (5 CCR 1002-41) will not apply to the confined ground water of the D, J, and O Sandstones in the specified area.

The ground water organic chemical standards included in Table A of the section 41.5.C.3 of the Basic Standards for Ground Water (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ground water of the D, J, and O Sandstones in the specified area. This exception applies to these compounds only when their source is crude oil, condensate, or produced water, or wastes that are

inherently derived from primary field operations associated with the exploration, development, or production of crude oil and natural gas.

(41) RANGLEY OIL AND GAS FIELD OF RIO BLANCO COUNTY

- (a) Specified Area: The confined ground waters within the Weber Formation and the Navajo Sandstone underlying the area illustrated in Figure 41.
- (b) Classifications: The classification of the ground water in the Weber Formation and the Navajo Sandstone is:
 - Limited Use and Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Table 1 through 4 of the Basic Standards for Ground Water Regulation No. 41 (5 CCR 1002-41) will not apply to the confined ground water of the Weber Formation and the Navajo Sandstone within the specified area.

The ground water organic chemical standards included in Table A of the section 41.5.C.3 of the Basic Standards for Ground Water (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ground water in the Weber Formation and the Navajo Sandstone within the specified area. This exception applies to these compounds only when their source is crude oil, condensate, or produced water, or wastes that are inherently derived from primary field operations associated with the exploration, development, or production of crude oil and natural gas.

(42) OIL AND GAS FIELDS OF EASTERN LARIMER COUNTY, COLORADO

- (a) Specified Area: The confined ground water in the Entrada Sandstone and Muddy Sandstone (J Sand) underlying the area illustrated in Figure 42.
- (b) Classifications: The classification of the ground water in the Entrada Sandstone and Muddy Sandstone (J Sand) is:
 - Limited Use and Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Table 1 through 4 of the Basic Standards for Ground Water 41.0 (5 CCR 1002-41) will not apply to the confined ground water of the Entrada Sandstone and Muddy Sandstone (J Sand) within the specified area.

The ground water organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for Ground Water (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ground water in the Entrada Sandstone and Muddy Sandstone (J Sand) within the specified area. This exception applies to these compounds only when their source is crude oil, condensate, or produced water, or wastes that are inherently derived from primary field operations associated with the exploration, development, or production of crude oil and natural gas.

(43) OIL AND GAS FIELDS OF EAST-CENTRAL JACKSON COUNTY, COLORADO

- (a) Specified Area: The confined ground water in the Dakota and Lakota Sandstones and the Pierre B Sandstone Member of the Pierre Shale underlying the area illustrated in Figure 43.

- (b) Classifications: The classification of the ground water in the Dakota and Lakota Sandstones and the Pierre B Sandstone Member of the Pierre Shale is:
- Limited Use and Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Table 1 through 4 of the Basic Standards for Ground Water 41.0 (5 CCR 1002-41) will not apply to the confined ground water of the Dakota and Lakota Sandstones and the Pierre B Sandstone Member of the Pierre Shale within the specified area.

The ground water organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for Ground Water (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ground water in the Dakota and Lakota Sandstones and the Pierre B Sandstone Member of the Pierre Shale within the specified area. This exception applies to these compounds only when their source is crude oil, condensate, or produced water, or wastes that are intrinsically derived from primary field operations associated with the exploration, development, or production of crude oil and natural gas.

(44) OIL AND GAS FIELD OF WEST-CENTRAL JACKSON COUNTY, COLORADO

- (a) Specified Area: The confined ground water in the Dakota and Lakota Sandstones underlying the area illustrated in Figure 44.
- (b) Classifications: The classification of the ground water in the Dakota and Lakota Sandstones is:
- Limited Use and Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Table 1 through 4 of the Basic Standards for Ground Water 41.0 (5 CCR 1002-41) will not apply to the confined ground water of the Dakota and Lakota Sandstones within the specified area.

The ground water organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for Ground Water (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ground water in the Dakota and Lakota Sandstones within the specified area. This exception applies to these compounds only when their source is crude oil, condensate, or produced water, or wastes that are intrinsically derived from primary field operations associated with the exploration, development, or production of crude oil and natural gas.

(45) OIL AND GAS FIELDS OF NORTHERN MOFFAT COUNTY, COLORADO

- (a) Specified Area: The confined ground water within the Fort Union Formation underlying the area illustrated in Figure 45.
- (b) Classifications: The classification of the ground water in the Fort Union Formation is:
- Limited Use and Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Table 1 through 4 of the Basic Standards for Ground Water 41.0 (5 CCR 1002-41) will not apply to the confined ground water of the Fort Union Formation within the specified area.

The ground water organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for Ground Water (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ground water in the Fort Union Formation within the specified area. This exception applies to these compounds only when their source is crude oil, condensate, or produced water, or wastes that are intrinsically derived from primary field operations associated with the exploration, development, or production of crude oil and natural gas.

(46) OIL AND GAS FIELDS OF WELD COUNTY, COLORADO

- (a) Specified Area: The confined ground water in the Lyons Sandstone underlying the area illustrated in Figure 46.
- (b) Classifications: The classification of the ground water in the Lyons Sandstone is:
 - Limited Use and Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Table 1 through 4 of the Basic Standards for Ground Water 41.0 (5 CCR 1002-41) will not apply to the confined ground water of the Lyons Sandstone within the specified area.

The ground water organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for Ground Water (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ground water in the Lyons Sandstone within the specified area. This exception applies to these compounds only when their source is crude oil, condensate, or produced water, or wastes that are intrinsically derived from primary field operations associated with the exploration, development, or production of crude oil and natural gas.

(47) OIL AND GAS FIELDS OF WELD COUNTY, COLORADO

- (a) Specified Area: The confined ground water in the Parkman Sandstone underlying the area illustrated in Figure 47.
- (b) Classifications: The classification of the ground water in the Parkman Sandstone is:
 - Limited Use and Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Table 1 through 4 of the Basic Standards for Ground Water 41.0 (5 CCR 1002-41) will not apply to the confined ground water of the Parkman Sandstone within the specified area.

The ground water organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for Ground Water (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ground water in the Parkman Sandstone within the specified area. This exception applies to these compounds only when their source is crude oil, condensate, or produced water, or wastes that are intrinsically derived from primary field operations associated with the exploration, development, or production of crude oil and natural gas.

(48) OIL AND GAS FIELDS OF WELD COUNTY, COLORADO

- (a) Specified Area: The confined ground water in the Sussex Sandstone underlying the area illustrated in Figure 48.

- (b) Classifications: The classification of the ground water in the Sussex Sandstone is:
 - Limited Use and Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Table 1 through 4 of the Basic Standards for Ground Water 41.0 (5 CCR 1002-41) will not apply to the confined ground water of the Sussex Sandstone within the specified area.

The ground water organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for Ground Water (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ground water in the Sussex Sandstone within the specified area. This exception applies to these compounds only when their source is crude oil, condensate, or produced water, or wastes that are intrinsically derived from primary field operations associated with the exploration, development, or production of crude oil and natural gas.

(49) OIL AND GAS FIELDS OF ADAMS, ARAPAHOE, MORGAN, WASHINGTON, AND WELD COUNTIES, COLORADO

- (1) Specified Area: The confined ground water in the D and J Sandstones underlying the areas illustrated in Figures 49A, 49B, 49C.
- (2) Classifications: The classification of the ground water in the D and J Sandstones is:
 - Limited Use and Quality
- (3) Ground Water Quality Standards: The ground water quality standards included in Table 1 through 4 of the Basic Standards for Ground Water 41.0 (5 CCR 1002-41) will not apply to the confined ground water of the D and J Sandstones within the specified areas.

The ground water organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for Ground Water (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ground water in the D and J Sandstones within the specified areas. This exception applies to these compounds only when their source is crude oil, condensate, or produced water, or wastes that are intrinsically derived from primary field operations associated with the exploration, development, or production of crude oil and natural gas.

(50) OIL AND GAS FIELD OF RIO BLANCO COUNTY, COLORADO

- (1) Specified Area: The confined ground water in the Morrison and Sundance Formations underlying the area illustrated in Figure 50.
- (2) Classifications: The classification of the ground water in the Morrison and Sundance Formations are:
 - Limited Use and Quality
- (3) Ground Water Quality Standards: The ground water quality standards included in Table 1 through 4 of the Basic Standards for Ground Water 41.0 (5 CCR 1002-41) will not apply to the confined ground water of the Morrison and Sundance Formations within the specified area.

The ground water organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for Ground Water (5CCR 1002-41) for benzene, toluene,

ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ground water in the Morrison and Sundance Formations within the specified area. This exception applies to these compounds only when their source is crude oil, condensate, or produced water, or wastes that are intrinsically derived from primary field operations associated with the exploration, development, or production of crude oil and natural gas.

(51) OIL AND GAS FIELD OF BACA COUNTY, COLORADO

- (a) Specified Area: The confined ground water in the Lansing Formation underlying the area illustrated in Figure 51.
- (b) Classifications: The classification of the ground water in the Lansing Formation are:
 - Limited Use and Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Table 1 through 4 of the Basic Standards for Ground Water 41.0 (5CCR1002-41) will not apply to the confined ground water of the Lansing Formation within the specified area.

The ground water organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for Ground Water (5CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ground water in the Lansing Formation within the specified area. This exception applies to these compounds only when their source is crude oil, condensate, or produced water, or wastes that are intrinsically derived from primary field operations associated with the exploration, development, or production of crude oil and natural gas.

(52) OIL AND GAS FIELD OF CHEYENNE COUNTY AND KIT CARSON COUNTIES, COLORADO

- (a) Specified Area: The confined ground water in the Morrow Formation underlying the area illustrated in Figures 52A AND 52B.
- (b) Classifications: The classification of the ground water in the Morrow Formation are:
 - Limited Use and Quality
- (c) Ground Water Quality Standards: The ground water quality standards included in Table 1 through 4 of the Basic Standards for Ground Water 41.0 (5CCR 1002-41) will not apply to the confined ground water of the Morrow Formation within the specified area.

The ground water organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for Ground Water (5CCR1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ground water in the Morrow Formation within the specified area. This exception applies to these compounds only when their source is crude oil, condensate, or produced water, or wastes that are intrinsically derived from primary field operations associated with the exploration, development, or production of crude oil and natural gas.

(53) HIAWATHA OIL AND GAS FIELD OF MOFFAT COUNTY, COLORADO

- (a) Specified Area : The confined ground water in a portion of the Tertiary Wasatch Formation (Middle Oil Sand Zone) underlying the area illustrated in Figure 53.
- (b) Classifications: The classification of the confined ground water in the Middle Oil Sand portion of the Tertiary Wasatch Formation is: Limited Use and Quality

- (c) Ground Water Quality Standards : The ground water quality standards included in Table 1 through 4 of the Basic Standards for Ground Water 41.0 (5CCR 1002-41) will not apply to the confined ground water of the Middle Oil Sand zone of the Tertiary Wasatch Formation within the specified area.

The ground water organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for Ground Water (5CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ground water in the Middle Oil Sand portion of the Tertiary Wasatch Formation within the specified area. This exception applies to these compounds only when their source is crude oil, condensate, or produced water, or wastes that are intrinsically derived from primary field operations associated with the exploration, development, or production of crude oil and natural gas.

(54) Former Lowry Air Force Base, City and County of Denver and City of Aurora, Arapahoe County, Colorado

- (a) Specified Areas: The unconfined ground water in the following locations:
- i. On-Base
 - 1. Alluvial ground water underlying the areas illustrated and described in Figure 54A as HQ Plume. Main Plume On-Base, and 1432 Source Area.
 - 2. The upper 50 feet of Denver Aquifer ground water underlying the areas illustrated and described in Figure 54B as HQ Plume. FTZ Plume. OFR Source Area. Main Plume On-Base. 1432 Source Area and CT Source Area.
 - ii. Off-Base
 - 1. Alluvial ground water underlying the area illustrated and described in Figure 54A as 11th Avenue to 17th Avenue and North of 17th Avenue.
 - 2. The upper 50 feet of the Denver Aquifer ground water underlying the area illustrated and described in Figure 54B as Main Plume Off-Base.
- (b) Classifications: The classification of each of the Specified Areas identified in Section 54(a). above is: Potentially Usable Quality.
- (c) Ground Water Quality Standards: For the Specified Areas, the ground water quality standards included in Tables 1 – 4, the Radioactive Materials Standards Table, and the organic chemical standards in Table A of the Basic Standards for Ground Water 41.0 (5 CCR 1002-41) are assigned to all ground water, except for the organic chemicals identified below, the following site-specific standards shall apply in the Specified Areas and the organic chemical standard set forth in Table A. Section 41.5.C.3 of the Basic Standards for Ground Water (5 CCR 1002-41) shall not apply.

Site Specific Concentrations and Classifications				
On-Base				
Area	Classification	Geologic Unit	Parameter	Site Specific Standard
			<i>Trichloroethylene</i>	11 µg/l

HQ Plume	Potentially Usable Quality	Alluvium	<i>1,4-Dioxane</i>	3.2 µg/l
Main Plume		Alluvium	<i>Trichloroethylene</i>	11 µg/l
			<i>1,4-Dioxane</i>	3.2 µg/l
1432 Source Area		Alluvium	<i>Trichloroethylene</i>	11 µg/l
			<i>1,4-Dioxane</i>	3.2 µg/l

Site Specific Concentrations and Classifications On-Base				
Area	Classification	Geologic Unit	Parameter	Site Specific Standard
HQ Plume	Potentially Usable Quality	Bedrock	<i>Trichloroethylene</i>	11 µg/l
			<i>1,4-Dioxane</i>	3.2 µg/l
FTZ Plume		Bedrock	<i>Trichloroethylene</i>	11 µg/l
			<i>1,4-Dioxane</i>	3.2 µg/l
OFR Source Area		Bedrock	<i>Trichloroethylene</i>	11 µg/l
			<i>1,4-Dioxane</i>	3.2 µg/l
Main Plume		Bedrock	<i>Trichloroethylene</i>	11 µg/l
			<i>1,4-Dioxane</i>	3.2 µg/l
1432 Source Area		Bedrock	<i>Trichloroethylene</i>	11 µg/l
			<i>1,4-Dioxane</i>	3.2 µg/l
CT Source Area		Bedrock	<i>Trichloroethylene</i>	11 µg/l
			<i>1,4-Dioxane</i>	3.2 µg/l

Site Specific Concentrations and Classification Off-Base				
Area	Classification	Geologic Unit	Parameter	Site Specific Standard
Main Plume North of 17 th Avenue		Alluvium	<i>Trichloroethylene</i>	12 µg/l
			<i>1,4 Dioxane</i>	3.2 µg/l

Main Plume 11 th Ave to 17 th Avenue	Potentially Usable Quality	Alluvium	<i>Trichloroethylene</i>	12 µg/l
			<i>1,4 Dioxane</i>	3.2 µg/l
Main Plume	Potentially Usable Quality	Bedrock	<i>Trichloroethylene</i>	12 µg/l
			<i>1,4 Dioxane</i>	3.2 µg/l

**DESCRIPTION - FIGURE 54A
HQ Plume**

A part of the Northeast Quarter of Section 8 and a part of the West Half of Section 9, Township 4 South, Range 67 West of the Sixth Principal Meridian, City and County of Denver, State of Colorado being more particularly described as follows:

Commencing at the West Quarter Corner of said Section 9;
thence North 00°10'10" East, along the west line of the Northwest Quarter of said Section 9, a distance of 37.00 feet;
thence South 89°49'04" East, parallel with the south line of said Northwest Quarter, a distance of 30.00 feet to the easterly line of Quebec Street and the Point of Beginning;
thence North 00°10'10" East, along said easterly line, a distance of 1,142.90 feet to a point of non-tangent curve;
thence along the arc of a curve to the right having a radius of 3125.00 feet, a central angle of 4°44'39", an arc length of 258.75 feet and whose chord bears North 22°08'58" West a distance of 258.68 feet;
thence North 00°00'00" East a distance of 973.55 feet;
thence South 21°07'18" East a distance of 278.47 feet to a corner on the west line of Area 4 as described at Reception Number 9800174373 in the Clerk and Records Office of said City and County of Denver;

thence along the southwesterly line of said Area 4 the following seven (7) courses:

1. South 09°41'03" East a distance of 185.07 feet;
2. South 26°06'15" East a distance of 317.47 feet;
3. South 00°30'20" West a distance of 120.51 feet;
4. South 61°54'11" East a distance of 363.78 feet;
5. South 00°01'05" East a distance of 258.88 feet;
6. South 36°27'47" East a distance of 216.39 feet;
7. South 74°49'56" East a distance of 156.06 feet to the northwest corner of a parcel of land as described at Reception Number 2000013500 in said Clerk and Records Office;

thence South 36°28'38" East, along the southwesterly line of said parcel of land described at Reception Number 2000013500, a distance of 608.42 feet to a point on the northerly line of Area 2 as described at Reception Number 9800087078 in said Clerk and Records Office;

thence along said northerly line of Area 2 the following eight (8) courses:

1. South 53°32'18" West a distance of 744.29 feet;
2. North 35°20'40" West a distance of 74.00 feet to a point of non-tangent curvature;
3. along the arc of a curve to the right having a central angle of 35°31'36", a radius of 263.00 feet, an arc length of 163.08 feet and whose chord bears South 72°25'08" West a distance of 160.48 feet;
4. North 89°49'04" West a distance of 81.42 feet to a point of curvature;
5. along the arc of a curve to the right having a central angle of 20°15'00", a radius of 263.00 feet, an arc length of 92.95 feet and whose chord bears North 79°41'34" West a distance of 92.47 feet;
6. North 69°34'04" West a distance of 52.93 feet to a point of curvature;

7. along the arc of a curve to the left having a central angle of 20°15'00", a radius of 337.00 feet, an arc length of 119.11 feet and whose chord bears North 79°41'34" West a distance of 118.49 feet;
8. North 89°49'04" West a distance of 4.92 feet to the **Point of Beginning**;

Containing 1,279,711 square feet or 29.378 acres, more or less.

**DESCRIPTION - FIGURE 54A
Main Plume On-Base**

A part of the South Half of Section 4, a part of the Northeast Quarter of Section 9, and a part of the Northwest Quarter of Section 10, Township 4 South, Range 67 West of the Sixth Principal Meridian, City and County of Denver, State of Colorado being more particularly described as follows:

Commencing at the East Quarter Corner of said Section 4;
thence North 89°52'18" West, along the north line of the Southeast Quarter of said Section 4, a distance of 2370.92 feet;
thence South 00°07'42" West a distance of 30.00 feet to northerly line of Main TCE Plume-Groundwater within Parcel 4(A) described at Reception Number 2006011845 in the Clerk and Records Office of said City and County of Denver being the Northeast corner of Lowry Filing No. 11 of said City and County of Denver and the Point of Beginning;

thence along said northerly line and easterly line of said Main TCE Plume-Groundwater within Parcel 4(A) the following five (5) courses:

1. South 89°52'18" East a distance of 89.47 feet;
2. South 23°44'40" East a distance of 769.35 feet;
3. South 72°21'45" East a distance of 501.04 feet;
4. South 25°49'44" East a distance of 631.58 feet;
5. South 15°28'41" West a distance of 151.29 feet to a point of non-tangent curvature on the northerly line of a Parcel of Land described at Reception Number 2000137528 in said Clerk and Recorder's Office;

thence along said northerly line of a Parcel of Land described at Reception Number 2000137528 the following four (4) courses:

1. along the arc of a curve to the right having a central angle of 30°58'08", a radius of 712.50 feet, an arc length of 385.11 feet and whose chord bears North 87°23'44" East a distance of 380.44 feet;
2. South 06°32'39" East a distance of 34.74 feet;
3. South 89°50'19" East a distance of 35.51 feet to a point of non-tangent curvature;
4. along the arc of a curve to the left having a central angle of 43°39'25", a radius of 490.00 feet, an arc length of 373.36 feet and whose chord bears South 14°40'04" East a distance of 364.39 feet to the northwest corner of Main TCE Plume-Groundwater within Parcel 4(B) described at said Reception Number 2006011845;

thence along the northerly line, easterly line, southerly line and the westerly line of said Main TCE Plume-Groundwater within Parcel 4(B) the following twenty-six (26) courses:

1. South 36°29'47" East a distance of 128.17 feet;
2. South 90°00'00" East a distance of 155.49 feet;
3. South 36°29'47" East a distance of 704.82 feet;
4. South 57°31'52" East a distance of 703.51 feet;
5. North 53°24'05" East a distance of 68.43 feet;
6. South 64°33'43" East a distance of 156.02 feet;
7. South 53°27'42" West a distance of 58.01 feet;
8. South 36°17'24" East a distance of 381.43 feet;
9. South 17°56'49" East a distance of 238.64 feet;
10. South 32°44'51" East a distance of 356.26 feet;
11. South 67°06'32" East a distance of 309.90 feet;
12. North 82°51'23" East a distance of 511.06 feet;

13. South 38°32'02" East a distance of 355.36 feet;
14. North 55°13'32" East a distance of 139.45 feet to a point of non-tangent curve;
15. along the arc of a curve to the right having a central angle of 72°03'49", a radius of 380.00 feet, an arc length of 477.94 feet and whose chord bears South 07°29'33" West a distance of 447.06 feet;
16. South 43°31'28" West a distance of 549.19 feet to a point of curvature;
17. along the arc of a curve to the right having a central angle of 93°09'47", a radius of 150.00 feet, an arc length of 243.90 feet and whose chord bears North 89°53'39" West a distance of 217.91 feet;
18. North 43°18'45" West a distance of 343.85 feet;
19. North 40°43'41" West a distance of 761.58 feet;
20. North 35°04'31" West a distance of 417.42 feet;
21. North 39°16'25" West a distance of 600.98 feet;
22. South 53°24'05" West a distance of 58.18 feet;
23. North 43°35'10" West a distance of 146.09 feet;
24. North 52°26'55" West a distance of 623.56 feet;
25. North 41°13'02" West a distance of 75.00 feet;
26. North 45°55'58" West a distance of 470.27 feet to the southeast corner of a Parcel of Land described at Reception Number 2000137528 in said Clerk and Recorder's Office;

thence North 89°44'10" West, along the southerly line of said Parcel of Land described at Reception Number 2000137528, a distance of 433.18 feet;
 thence North 05°24'59" West a distance of 371.02 feet;
 thence South 70°19'10" West a distance of 434.55 feet;
 thence South 00°00'00" East a distance of 444.24 feet;
 thence North 88°55'43" East a distance of 464.42 feet;
 thence North 05°24'59" West a distance of 12.49 feet to the easterly line of Main TCE Plume-Groundwater within Parcel 4(A) described at said Reception Number 2006011845;

thence along said easterly line, southerly line and the westerly line of said Main TCE Plume-Groundwater within Parcel 4(A) the following sixteen (16) courses:

1. South 89°44'10" East a distance of 134.18 feet;
2. South 00°04'42" West a distance of 502.15 feet;
3. North 89°44'58" West a distance of 431.06 feet;
4. North 00°19'49" West a distance of 130.06 feet;
5. North 89°57'23" West a distance of 91.72 feet;
6. North 00°00'00" West a distance of 87.47 feet;
7. North 50°16'15" West a distance of 238.52 feet;
8. North 40°45'51" West a distance of 165.09 feet;
9. North 03°40'12" West a distance of 150.35 feet;
10. North 19°29'51" East a distance of 132.64 feet;
11. North 24°50'04" West a distance of 162.56 feet;
12. North 89°36'09" West a distance of 210.32 feet;
13. North 00°28'46" East a distance of 12.84 feet to a point of curvature;
14. along the arc of a curve to the left having a central angle of 08°45'59", a radius of 734.75 feet, an arc length of 112.42 feet and whose chord bears North 03°54'13" West a distance of 112.31 feet;
15. North 06°12'02" West a distance of 630.98 feet;
16. North 06°12'02" West a distance of 238.38 feet to the most southerly corner of Main TCE Plume-Groundwater within Parcel 1 described at said Reception Number 2006011845;

thence along the westerly line and northerly line of said Main TCE Plume-Groundwater within Parcel 1 the following nine (9) courses:

1. North 41°30'47" West a distance of 553.53 feet;
2. North 12°41'48" West a distance of 49.74 feet to a point of non-tangent curvature;
3. along the arc of a curve to the right having a central angle of 1°09'17", a radius of 530.00 feet, an arc length of 10.68 feet and whose chord bears North 48°46'25" East a distance of 10.68 feet;
4. North 41°46'02" West a distance of 46.17 feet;

5. North 14°53'14" West a distance of 187.00 feet to a point of curvature;
6. along the arc of a curve to the left having a central angle of 53°13'20", a radius of 330.00 feet, an arc length of 306.54 feet and whose chord bears North 41°29'54" West a distance of 295.64 feet;
7. North 68°06'34" West a distance of 64.74 feet to a point of curvature;
8. along the arc of a curve to the right having a central angle of 71°39'12", a radius of 380.00 feet, an arc length of 475.22 feet and whose chord bears North 32°16'58" West a distance of 444.85 feet;
9. South 89°52'56" East a distance of 506.86 feet to the most westerly corner of Main TCE Plume-Groundwater within Parcel 4(A) described at said Reception Number 2006011845;

thence along the westerly line and northerly line of said Main TCE Plume-Groundwater within Parcel 1 the following two (2) courses:

1. South 89°52'56" East a distance of 6.99 feet;
2. South 89°52'18" East a distance of 268.42 feet to the Point of Beginning;

Containing 4,926,271 square feet or 113.092 acres, more or less.

**DESCRIPTION - FIGURE 54A
1432 Source Area**

A part of the Southeast Quarter of Section 4 and a part of the Northeast Quarter of Section 9, Township 4 South, Range 67 West of the Sixth Principal Meridian, City and County of Denver, State of Colorado being more particularly described as follows:

Commencing at the South Quarter Corner of said Section 4;
thence South 82°44'48" East, a distance of 1012.91 feet to the Point of Beginning;

thence North 00°00'00" East a distance of 444.24 feet;
thence North 70°19'10" East a distance of 434.55 feet;
thence South 05°24'59" East a distance of 584.51 feet;
thence South 88°55'43" West a distance of 464.42 feet to the Point of Beginning;

Containing 226,222 square feet or 5.193 acres, more or less.

**DESCRIPTION - FIGURE 54A
Main Plume Off-Base North of 17th Ave.**

A part of the Southwest Quarter of Section 28, a part of the Southeast Quarter of Section 29, a part of the Northeast Quarter of Section 32 and a part of Section 33, Township 3 South, Range 67 West of the Sixth Principal Meridian, City and County of Denver, State of Colorado, more particularly described as follows:

Commencing at the South Quarter Corner of said Section 33;
thence North 31°22'38" East a distance of 1552.30 feet to a point 1325.00 feet north of the south line of the Southeast Quarter of said Section 33 and the **Point of Beginning**;

thence South 89°58'46" West, parallel with and 1325.00 feet north of said south line of the Southeast Quarter of Section 33, a distance of 1187.41 feet;
thence North 09°46'56" West a distance of 335.67 feet to a point of curve;
thence along the arc of a curve to the left having a radius of 2900.00 feet, a central angle of 30°17'20", an arc length of 1533.06 feet and whose chord bears North 24°55'36" West a distance of 1515.27 feet;
thence North 40°04'16" West a distance of 792.77 feet;
thence North 41°38'26" West a distance of 972.28 feet to a point of curve;
thence along the arc of a curve to the right having a radius of 2500.00 feet, a central angle of 22°50'51", an arc length of 996.92 feet and whose chord bears North 30°13'00" West a distance of 990.32 feet to a point of compound curve;
thence along the arc of a curve to the right having a radius of 1300.00 feet, a central angle of 33°47'26",

an arc length of 766.68 feet and whose chord bears North 01°53'52" West a distance of 755.62 feet to a point of compound curve;
thence along the arc of a curve to the right having a radius of 350.00 feet, a central angle of 18°07'24", an arc length of 110.71 feet and whose chord bears North 24°03'33" East a distance of 110.25 feet to a point of compound curve;
thence along the arc of a curve to the right having a radius of 270.00 feet, a central angle of 67°42'57", an arc length of 319.10 feet and whose chord bears North 66°58'43" East a distance of 300.85 feet to a point of compound curve;
thence along the arc of a curve to the right having a radius of 575.00 feet, a central angle of 20°48'09", an arc length of 208.77 feet and whose chord bears South 71°31'48" East a distance of 207.62 feet;
thence South 61°07'44" East a distance of 184.24 feet to a point of curve;
thence along the arc of a curve to the right having a radius of 3000.00 feet, a central angle of 15°24'06", an arc length of 806.43 feet and whose chord bears South 53°25'41" East a distance of 804.01 feet;
thence South 45°43'38" East a distance of 1161.69 feet to a point of curve;
thence along the arc of a curve to the right having a radius of 3665.00 feet, a central angle of 29°14'21", an arc length of 1870.32 feet and whose chord bears South 31°06'28" East a distance of 1850.09 feet;
thence South 16°29'17" East a distance of 850.36 feet to a point of curve;
thence along the arc of a curve to the right having a radius of 6000.00 feet, a central angle of 9°58'50", an arc length of 1045.16 feet and whose chord bears South 11°29'52" East a distance of 1043.84 feet to the **Point of Beginning**.

Containing 7,201,575 square feet or 165.325 acres, more or less.

DESCRIPTION - FIGURE 54A
Main Plume Off-Base 11th to 17th Ave.

A part of Section 4 and a part of the South Half of Section 33, Township 4 South, Range 67 West of the Sixth Principal Meridian, City and County of Denver, State of Colorado, more particularly described as follows:

Commencing at the North Quarter corner of said Section 4;
thence North 31°22'38" East a distance of 1552.30 feet to a point 1325.00 feet north of the north line of said Northeast Quarter of Section 4 and the **Point of Beginning**;

thence along the arc of a curve to the right having a radius of 6000.00 feet, a central angle of 2°47'10", an arc length of 291.77 feet and whose chord bears South 5°06'52" East a distance of 291.74 feet;
thence South 03°43'17" East a distance of 800.48 feet to a point of curve;
thence along the arc of a curve to the right having a radius of 4500.00 feet, a central angle of 19°27'27", an arc length of 1528.19 feet and whose chord bears South 06°00'27" West a distance of 1520.86 feet;
thence South 15°44'10" West a distance of 294.78 feet;
thence South 17°45'05" West a distance of 639.10 feet to a point of curve;
thence along the arc of a curve to the left having a radius of 1200.00 feet, a central angle of 25°03'48", an arc length of 524.93 feet and whose chord bears South 05°13'11" West a distance of 520.75 feet;
thence North 89°52'18" West, parallel with and 30.00 feet south of the south line of said Northeast Quarter of Section 4, a distance of 419.51 feet;
thence North 89°52'56" West, parallel with and 30.00 feet south of the south line of the Northwest Quarter of said Section 4, a distance of 450.35 feet;
thence North 30°49'24" West a distance of 463.33 feet;
thence along the arc of a curve to the right having a radius of 1500.00 feet, a central angle of 14°30'57", an arc length of 380.03 feet and whose chord bears North 23°33'55" West a distance of 379.01 feet;
thence North 16°18'26" West a distance of 512.11 feet to a point of curve;
thence along the arc of a curve to the right having a radius of 300.00 feet, a central angle of 28°46'36", an arc length of 150.67 feet and whose chord bears North 01°55'08" West a distance of 149.10 feet to a point of compound curve;
thence along the arc of a curve to the right having a radius of 105.00 feet, a central angle of 131°07'49", an arc length of 240.31 feet and whose chord bears North 78°02'04" East a distance of 191.19 feet;

thence South 36°24'02" East a distance of 347.82 feet;
thence South 32°39'29" East a distance of 250.06 feet to a point of curve;
thence along the arc of a curve to the left having a radius of 215.00 feet, a central angle of 65°16'55", an arc length of 244.97 feet and whose chord bears South 65°17'57" East a distance of 231.93 feet;
thence North 82°03'36" East a distance of 35.54 feet;
thence along the arc of a curve to the left having a radius of 200.00 feet, a central angle of 69°29'20", an arc length of 242.56 feet and whose chord bears North 47°18'55" East a distance of 227.97 feet;
thence North 12°34'15" East a distance of 8.49 feet to a point of curve;
thence along the arc of a curve to the left having a radius of 2150.00 feet, a central angle of 20°16'07", an arc length of 760.57 feet and whose chord bears North 02°26'12" East a distance of 756.61 feet;
thence North 07°41'52" West a distance of 958.60 feet;
thence North 09°46'56" West a distance of 1318.05 feet;
thence North 89°58'46" East, parallel with and 1325.00 feet north of said north line of the Northeast Quarter of Section 4, a distance of 1187.41 feet to the **Point of Beginning**.

Containing 4,221,670 square feet or 96.916 acres, more or less.

DESCRIPTION - FIGURE 54B
HQ Plume

A part of the West Half of Section 9, Township 4 South, Range 67 West of the Sixth Principal Meridian, City and County of Denver, State of Colorado being more particularly described as follows:

Commencing at the West Quarter Corner of said Section 9;

thence North 00°10'10" East, along the west line of the Northwest Quarter of said Section 9, a distance of 37.00 feet;

thence South 89°49'04" East, parallel with the south line of said Northwest Quarter, a distance of 30.00 feet to the easterly line of Quebec Street and the Point of Beginning;

thence North 00°10'10" East, along said easterly line, a distance of 2,096.27 feet to a corner on the west line of Area 4 as described at Reception Number 9800174373 in the Clerk and Records Office of said City and County of Denver;

thence along the southwesterly line of said Area 4 the following seven (7) courses:

1. South 09°41'03" East a distance of 185.07 feet;
2. South 26°06'15" East a distance of 317.47 feet;
3. South 00°30'20" West a distance of 120.51 feet;
4. South 61°54'11" East a distance of 363.78 feet;
5. South 00°01'05" East a distance of 258.88 feet;
6. South 36°27'47" East a distance of 216.39 feet;
7. South 74°49'56" East a distance of 156.06 feet to the northwest corner of Area 9 as described at Reception Number 2000013500 in said Clerk and Records Office;

thence South 36°28'38" East, along the southwesterly line of said Area 9, a distance of 608.42 feet to a point on the northerly line of Area 2 as described at Reception Number 9800087078 in said Clerk and Records Office;

thence along said northerly line the following eight (8) courses:

1. South 53°32'18" West a distance of 744.29 feet;
2. North 35°20'40" West a distance of 74.00 feet to a point of non-tangent curvature;
3. along the arc of a curve to the right having a central angle of 35°31'36", a radius of 263.00 feet, an arc length of 163.08 feet and whose chord bears South 72°25'08" West a distance of 160.48 feet;
4. North 89°49'04" West a distance of 81.42 feet to a point of curvature;
5. along the arc of a curve to the right having a central angle of 20°15'00", a radius of 263.00 feet, an arc length of 92.95 feet and whose chord bears North 79°41'34" West a distance of 92.47 feet;
6. North 69°34'04" West a distance of 52.93 feet to a point of curvature;

7. along the arc of a curve to the left having a central angle of 20°15'00", a radius of 337.00 feet, an arc length of 119.11 feet and whose chord bears North 79°41'34" West a distance of 118.49 feet;
8. North 89°49'04" West a distance of 4.92 feet to the **Point of Beginning**;

Containing 1,183,575 square feet or 27.171 acres, more or less.

**DESCRIPTION - FIGURE 54B
FTZ Plume (North)**

A part of the Southeast Quarter of Section 10, Township 4 South, Range 67 West of the Sixth Principal Meridian, City and County of Denver, State of Colorado, more particularly described as follows:

Commencing at the East Quarter Corner of said Section 10;
thence South 87°25'19" West a distance of 1374.75 feet to a point 50,000 feet west of the east line of the Northwest Quarter of said Southeast Quarter of Section 10 and the **Point of Beginning**;

Thence South 00°06'26" West, parallel with and 50.00 west of said east line, a distance of 300.00 feet;
thence North 89°53'34" West a distance of 275.00 feet;
thence North 00°06'26" East a distance of 300.00 feet;

thence South 89°53'34" East a distance of 275.00 feet to the **Point of Beginning**.

Containing 82,500 square feet or 1.894 acres, more or less.

**DESCRIPTION - FIGURE 54B
FTZ Plume (South)**

A part of the Southeast Quarter of Section 10, Township 4 South, Range 67 West of the Sixth Principal Meridian, City of Aurora, County of Arapahoe, State of Colorado, more particularly described as follows:

Commencing at the East Quarter corner of said Section 10;
thence South 49°32'32" West a distance of 1583.91 feet to the **Point of Beginning**;

thence South 89°53'34" East a distance of 225.00 feet;
thence South 00°06'26" West a distance of 225.00 feet;
thence North 89°53'34" West a distance of 225.00 feet;
thence North 00°06'26" East a distance of 225.00 feet to the **Point of Beginning**.

Containing 50,625 square feet or 1.162 acres, more or less.

**DESCRIPTION - FIGURE 54B
OFR Source Area**

A part of the Northwest Quarter of Section 10, Township 4 South, Range 67 West of the Sixth Principal Meridian, City and County of Denver, State of Colorado being more particularly described as follows:

Commencing at the Northwest Corner of said Section 10;
thence South 42°12'35" East a distance of 1714.55 feet to the intersection of the centerline of 5th Avenue and the easterly line of Main TCE Plume-Groundwater within Parcel 4(B) described at Reception Number 2006011845 in the Clerk and Records Office of said City and County of Denver and the Point of Beginning;

thence along said easterly line and southerly line of said Main TCE Plume-Groundwater within Parcel 4(B) the following ten (10) courses:

1. South 67°06'32" East a distance of 307.11 feet;

2. North 82°51'23" East a distance of 511.06 feet;
3. South 38°32'02" East a distance of 355.36 feet;
4. North 55°13'32" East a distance of 139.45 feet;
5. along the arc of a curve to the right having a central angle of 72°03'49", a radius of 380.00 feet, an arc length of 477.94 feet and whose chord bears South 07°29'33" West a distance of 447.06 feet;
6. South 43°31'28" West a distance of 549.19 feet to a point of curvature;
7. along the arc of a curve to the right having a central angle of 93°09'47", a radius of 150.00 feet, an arc length of 243.90 feet and whose chord bears North 89°53'39" West a distance of 217.91 feet;
8. North 43°18'45" West a distance of 343.85 feet;
9. North 40°43'41" West a distance of 761.58 feet;
10. North 35°04'31" West a distance of 59.86 feet to said centerline of 5th Avenue;

thence North 53°27'42" East, along said centerline, a distance of 367.97 feet to the Point of Beginning;

Containing 978,055 square feet or 22.453 acres, more or less.

**DESCRIPTION - FIGURE 54B
Main Plume On-Base**

A part of the South Half of Section 4, a part of the Northeast Quarter of Section 9, and a part of the Northwest Quarter of Section 10, Township 4 South, Range 67 West of the Sixth Principal Meridian, City and County of Denver, State of Colorado being more particularly described as follows:

Commencing at the East Quarter Corner of said Section 4;
thence North 89°52'18" West, along the north line of the Southeast Quarter of said Section 4, a distance of 2370.92 feet;
thence South 00°07'42" West a distance of 30.00 feet to northerly line of Main TCE Plume-Groundwater within Parcel 4(A) described at Reception Number 2006011845 in the Clerk and Records Office of said City and County of Denver being the Northeast corner of Lowry Filing No. 11 of said City and County of Denver and the Point of Beginning;

thence along said northerly line and easterly line of said Main TCE Plume-Groundwater within Parcel 4(A) the following five (5) courses:

1. South 89°52'18" East a distance of 89.47 feet;
2. South 23°44'40" East a distance of 769.35 feet;
3. South 72°21'45" East a distance of 501.04 feet;
4. South 25°49'44" East a distance of 631.58 feet;
5. South 15°28'41" West a distance of 151.29 feet to a point of non-tangent curvature on the northerly line of a Parcel of Land described at Reception Number 2000137528 in said Clerk and Recorder's Office;

thence along said northerly line of a Parcel of Land described at Reception Number 2000137528 the following four (4) courses:

1. along the arc of a curve to the right having a central angle of 30°58'08", a radius of 712.50 feet, an arc length of 385.11 feet and whose chord bears North 87°23'44" East a distance of 380.44 feet;
2. South 06°32'39" East a distance of 34.74 feet;
3. South 89°50'19" East a distance of 35.51 feet to a point of non-tangent curvature;
4. along the arc of a curve to the left having a central angle of 43°39'25", a radius of 490.00 feet, an arc length of 373.36 feet and whose chord bears South 14°40'04" East a distance of 364.39 feet to the northwest corner of Main TCE Plume-Groundwater within Parcel 4(B) described at said Reception Number 2006011845;

thence along the northerly line, easterly line, southerly line and the westerly line of said Main TCE Plume-Groundwater within Parcel 4(B) the following twenty-six (26) courses:

1. South 36°29'47" East a distance of 128.17 feet;
2. South 90°00'00" East a distance of 155.49 feet;

3. South 36°29'47" East a distance of 704.82 feet;
4. South 57°31'52" East a distance of 703.51 feet;
5. North 53°24'05" East a distance of 68.43 feet;
6. South 64°33'43" East a distance of 156.02 feet;
7. South 53°27'42" West a distance of 58.01 feet;
8. South 36°17'24" East a distance of 381.43 feet;
9. South 17°56'49" East a distance of 238.64 feet;
10. South 32°44'51" East a distance of 356.26 feet;
11. South 67°06'32" East a distance of 309.90 feet;
12. North 82°51'23" East a distance of 511.06 feet;
13. South 38°32'02" East a distance of 355.36 feet;
14. North 55°13'32" East a distance of 139.45 feet to a point of non-tangent curve;
15. along the arc of a curve to the right having a central angle of 72°03'49", a radius of 380.00 feet, an arc length of 477.94 feet and whose chord bears South 07°29'33" West a distance of 447.06 feet;
16. South 43°31'28" West a distance of 549.19 feet to a point of curvature;
17. along the arc of a curve to the right having a central angle of 93°09'47", a radius of 150.00 feet, an arc length of 243.90 feet and whose chord bears North 89°53'39" West a distance of 217.91 feet;
18. North 43°18'45" West a distance of 343.85 feet;
19. North 40°43'41" West a distance of 761.58 feet;
20. North 35°04'31" West a distance of 417.42 feet;
21. North 39°16'25" West a distance of 600.98 feet;
22. South 53°24'05" West a distance of 58.18 feet;
23. North 43°35'10" West a distance of 146.09 feet;
24. North 52°26'55" West a distance of 623.56 feet;
25. North 41°13'02" West a distance of 75.00 feet;
26. North 45°55'58" West a distance of 470.27 feet to the southeast corner of a Parcel of Land described at Reception Number 2000137528 in said Clerk and Recorder's Office;

thence North 89°44'10" West, along the southerly line of said Parcel of Land described at Reception Number 2000137528, a distance of 433.18 feet;

thence North 05°24'59" West a distance of 371.02 feet;

thence South 70°19'10" West a distance of 434.55 feet;

thence South 00°00'00" East a distance of 444.24 feet;

thence North 88°55'43" East a distance of 464.42 feet;

thence North 05°24'59" West a distance of 12.49 feet to the easterly line of Main TCE Plume-Groundwater within Parcel 4(A) described at said Reception Number 2006011845;

thence along said easterly line, southerly line and the westerly line of said Main TCE Plume-Groundwater within Parcel 4(A) the following sixteen (16) courses:

1. South 89°44'10" East a distance of 134.18 feet;
2. South 00°04'42" West a distance of 502.15 feet;
3. North 89°44'58" West a distance of 431.06 feet;
4. North 00°19'49" West a distance of 130.06 feet;
5. North 89°57'23" West a distance of 91.72 feet;
6. North 00°00'00" West a distance of 87.47 feet;
7. North 50°16'15" West a distance of 238.52 feet;
8. North 40°45'51" West a distance of 165.09 feet;
9. North 03°40'12" West a distance of 150.35 feet;
10. North 19°29'51" East a distance of 132.64 feet;
11. North 24°50'04" West a distance of 162.56 feet;
12. North 89°36'09" West a distance of 210.32 feet;
13. North 00°28'46" East a distance of 12.84 feet to a point of curvature;
14. along the arc of a curve to the left having a central angle of 08°45'59", a radius of 734.75 feet, an arc length of 112.42 feet and whose chord bears North 03°54'13" West a distance of 112.31 feet;
15. North 06°12'02" West a distance of 630.98 feet;

16. North 06°12'02" West a distance of 238.38 feet to the most southerly corner of Main TCE Plume-Groundwater within Parcel 1 described at said Reception Number 2006011845;

thence along the westerly line and northerly line of said Main TCE Plume-Groundwater within Parcel 1 the following nine (9) courses:

1. North 41°30'47" West a distance of 553.53 feet;
2. North 12°41'48" West a distance of 49.74 feet to a point of non-tangent curvature;
3. along the arc of a curve to the right having a central angle of 1°09'17", a radius of 530.00 feet, an arc length of 10.68 feet and whose chord bears North 48°46'25" East a distance of 10.68 feet;
4. North 41°46'02" West a distance of 46.17 feet;
5. North 14°53'14" West a distance of 187.00 feet to a point of curvature;
6. along the arc of a curve to the left having a central angle of 53°13'20", a radius of 330.00 feet, an arc length of 306.54 feet and whose chord bears North 41°29'54" West a distance of 295.64 feet;
7. North 68°06'34" West a distance of 64.74 feet to a point of curvature;
8. along the arc of a curve to the right having a central angle of 71°39'12", a radius of 380.00 feet, an arc length of 475.22 feet and whose chord bears North 32°16'58" West a distance of 444.85 feet;
9. South 89°52'56" East a distance of 506.86 feet to the most westerly corner of Main TCE Plume-Groundwater within Parcel 4(A) described at said Reception Number 2006011845;

thence along the westerly line and northerly line of said Main TCE Plume-Groundwater within Parcel 1 the following two (2) courses:

1. South 89°52'56" East a distance of 6.99 feet;
2. South 89°52'18" East a distance of 268.42 feet to the Point of Beginning;

Containing 4,926,271 square feet or 113.092 acres, more or less.

Excepting therefrom (CT Source Area):

A part of the Southeast Quarter of Section 4, Township 4 South, Range 67 West of the Sixth Principal Meridian, City and County of Denver, State of Colorado being more particularly described as follows:

Commencing at the South Quarter Corner of said Section 4;
thence North 40°32'20" East, a distance of 1211.63 feet to the **Point of Beginning**;

thence North 04°07'47" West a distance of 635.58 feet;
thence North 88°59'02" East a distance of 303.02 feet;
thence South 03°29'14" East a distance of 638.04 feet;
thence South 89°31'37" West a distance of 296.02 feet to the **Point of Beginning**;
Containing 190,459 square feet or 4.372 acres, more or less.

Excepting therefrom (OFR Source Area):

A part of the Northwest Quarter of Section 10, Township 4 South, Range 67 West of the Sixth Principal Meridian, City and County of Denver, State of Colorado being more particularly described as follows:

Commencing at the Northwest Corner of said Section 10;
thence South 42°12'35" East a distance of 1714.55 feet to the intersection of the centerline of 5th Avenue and the easterly line of Main TCE Plume-Groundwater within Parcel 4(B) described at Reception Number 2006011845 in the Clerk and Records Office of said City and County of Denver and the **Point of Beginning**;

thence along said easterly line and southerly line of said Main TCE Plume-Groundwater within Parcel 4(B) the following ten (10) courses:

1. South 67°06'32" East a distance of 307.11 feet;
2. North 82°51'23" East a distance of 511.06 feet;

3. South 38°32'02" East a distance of 355.36 feet;
4. North 55°13'32" East a distance of 139.45 feet;
5. along the arc of a curve to the right having a central angle of 72°03'49", a radius of 380.00 feet, an arc length of 477.94 feet and whose chord bears South 07°29'33" West a distance of 447.06 feet;
6. South 43°31'28" West a distance of 549.19 feet to a point of curvature;
7. along the arc of a curve to the right having a central angle of 93°09'47", a radius of 150.00 feet, an arc length of 243.90 feet and whose chord bears North 89°53'39" West a distance of 217.91 feet;
8. North 43°18'45" West a distance of 343.85 feet;
9. North 40°43'41" West a distance of 761.58 feet;
10. North 35°04'31" West a distance of 59.86 feet to said centerline of 5th Avenue;

thence North 53°27'42" East, along said centerline, a distance of 367.97 feet to the **Point of Beginning**;

Containing 978,055 square feet or 22.453 acres, more or less.

Resulting Area contains 3,757,757 square feet or 86.267 acres, more or less.

DESCRIPTION - FIGURE 54B
1432 Source Area

A part of the Southeast Quarter of Section 4 and a part of the Northeast Quarter of Section 9, Township 4 South, Range 67 West of the Sixth Principal Meridian, City and County of Denver, State of Colorado being more particularly described as follows:

Commencing at the South Quarter Corner of said Section 4;
thence South 82°44'48" East, a distance of 1012.91 feet to the Point of Beginning;

thence North 00°00'00" East a distance of 444.24 feet;
thence North 70°19'10" East a distance of 434.55 feet;
thence South 05°24'59" East a distance of 584.51 feet;
thence South 88°55'43" West a distance of 464.42 feet to the Point of Beginning;

Containing 226,222 square feet or 5.193 acres, more or less.

DESCRIPTION - FIGURE 54B
CT Source Area

A part of the Southeast Quarter of Section 4, Township 4 South, Range 67 West of the Sixth Principal Meridian, City and County of Denver, State of Colorado being more particularly described as follows:

Commencing at the South Quarter Corner of said Section 4;
thence North 40°32'20" East, a distance of 1211.63 feet to the Point of Beginning;

thence North 04°07'47" West a distance of 635.58 feet;
thence North 88°59'02" East a distance of 303.02 feet;
thence South 03°29'14" East a distance of 638.04 feet;
thence South 89°31'37" West a distance of 296.02 feet to the Point of Beginning;

Containing 190,459 square feet or 4.372 acres, more or less.

DESCRIPTION - FIGURE 54B
Main Plume Off-Base

(Main Plume Off-Base North of 17th Ave.):

A part of the Southwest Quarter of Section 28, a part of the Southeast Quarter of Section 29, a part of the Northeast Quarter of Section 32 and a part of Section 33, Township 3 South, Range 67 West of the Sixth Principal Meridian, City and County of Denver, State of Colorado, more particularly described as follows:

Commencing at the South Quarter Corner of said Section 33;
thence North 31°22'38" East a distance of 1552.30 feet to a point 1325.00 feet north of the south line of the Southeast Quarter of said Section 33 and the **Point of Beginning**;

thence South 89°58'46" West, parallel with and 1325.00 feet north of said south line of the Southeast Quarter of Section 33, a distance of 1187.41 feet;
thence North 09°46'56" West a distance of 335.67 feet to a point of curve;
thence along the arc of a curve to the left having a radius of 2900.00 feet, a central angle of 30°17'20", an arc length of 1533.06 feet and whose chord bears North 24°55'36" West a distance of 1515.27 feet;
thence North 40°04'16" West a distance of 792.77 feet;
thence North 41°38'26" West a distance of 972.28 feet to a point of curve;
thence along the arc of a curve to the right having a radius of 2500.00 feet, a central angle of 22°50'51", an arc length of 996.92 feet and whose chord bears North 30°13'00" West a distance of 990.32 feet to a point of compound curve;
thence along the arc of a curve to the right having a radius of 1300.00 feet, a central angle of 33°47'26", an arc length of 766.68 feet and whose chord bears North 01°53'52" West a distance of 755.62 feet to a point of compound curve;
thence along the arc of a curve to the right having a radius of 350.00 feet, a central angle of 18°07'24", an arc length of 110.71 feet and whose chord bears North 24°03'33" East a distance of 110.25 feet to a point of compound curve;
thence along the arc of a curve to the right having a radius of 270.00 feet, a central angle of 67°42'57", an arc length of 319.10 feet and whose chord bears North 66°58'43" East a distance of 300.85 feet to a point of compound curve;
thence along the arc of a curve to the right having a radius of 575.00 feet, a central angle of 20°48'09", an arc length of 208.77 feet and whose chord bears South 71°31'48" East a distance of 207.62 feet;
thence South 61°07'44" East a distance of 184.24 feet to a point of curve;
thence along the arc of a curve to the right having a radius of 3000.00 feet, a central angle of 15°24'06", an arc length of 806.43 feet and whose chord bears South 53°25'41" East a distance of 804.01 feet;
thence South 45°43'38" East a distance of 1161.69 feet to a point of curve;
thence along the arc of a curve to the right having a radius of 3665.00 feet, a central angle of 29°14'21", an arc length of 1870.32 feet and whose chord bears South 31°06'28" East a distance of 1850.09 feet;
thence South 16°29'17" East a distance of 850.36 feet to a point of curve;
thence along the arc of a curve to the right having a radius of 6000.00 feet, a central angle of 9°58'50", an arc length of 1045.16 feet and whose chord bears South 11°29'52" East a distance of 1043.84 feet to the **Point of Beginning**.

Containing 7,201,575 square feet or 165.325 acres, more or less.

Together with (Main Plume Off-Base 11th to 17th Ave.):

A part of Section 4 and a part of the South Half of Section 33, Township 4 South, Range 67 West of the Sixth Principal Meridian, City and County of Denver, State of Colorado, more particularly described as follows:

Commencing at the North Quarter corner of said Section 4;
thence North 31°22'38" East a distance of 1552.30 feet to a point 1325.00 feet north of the north line of said Northeast Quarter of Section 4 and the **Point of Beginning**;

thence along the arc of a curve to the right having a radius of 6000.00 feet, a central angle of 2°47'10", an arc length of 291.77 feet and whose chord bears South 5°06'52" East a distance of 291.74 feet;
thence South 03°43'17" East a distance of 800.48 feet to a point of curve;
thence along the arc of a curve to the right having a radius of 4500.00 feet, a central angle of 19°27'27",

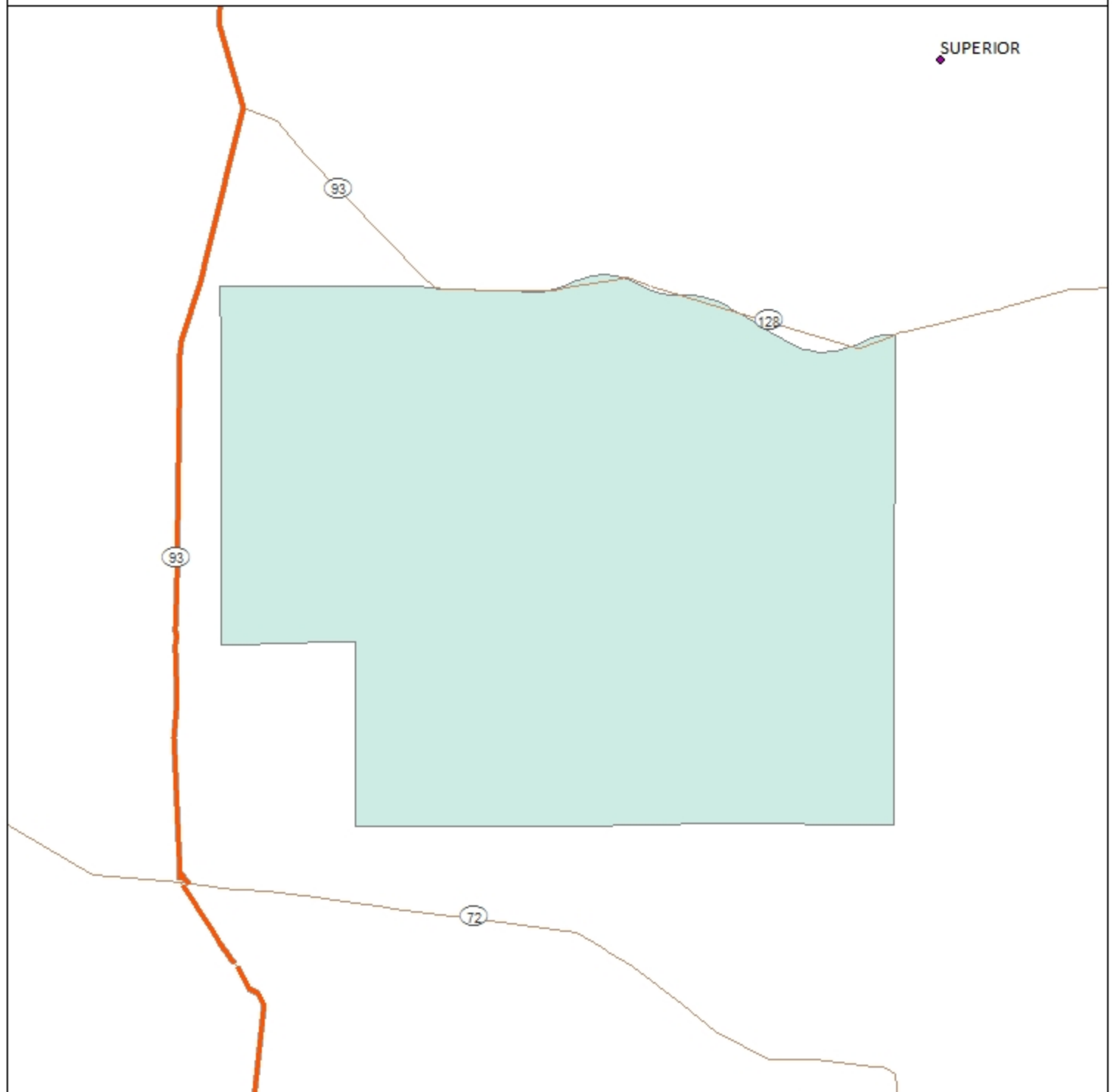
an arc length of 1528.19 feet and whose chord bears South 06°00'27" West a distance of 1520.86 feet;
thence South 15°44'10" West a distance of 294.78 feet;
thence South 17°45'05" West a distance of 639.10 feet to a point of curve;
thence along the arc of a curve to the left having a radius of 1200.00 feet, a central angle of 25°03'48", an arc length of 524.93 feet and whose chord bears South 05°13'11" West a distance of 520.75 feet;
thence North 89°52'18" West, parallel with and 30.00 feet south of the south line of said Northeast Quarter of Section 4, a distance of 419.51 feet;
thence North 89°52'56" West, parallel with and 30.00 feet south of the south line of the Northwest Quarter of said Section 4, a distance of 450.35 feet;
thence North 30°49'24" West a distance of 463.33 feet;
thence along the arc of a curve to the right having a radius of 1500.00 feet, a central angle of 14°30'57", an arc length of 380.03 feet and whose chord bears North 23°33'55" West a distance of 379.01 feet;
thence North 16°18'26" West a distance of 512.11 feet to a point of curve;
thence along the arc of a curve to the right having a radius of 300.00 feet, a central angle of 28°46'36", an arc length of 150.67 feet and whose chord bears North 01°55'08" West a distance of 149.10 feet to a point of compound curve;
thence along the arc of a curve to the right having a radius of 105.00 feet, a central angle of 131°07'49", an arc length of 240.31 feet and whose chord bears North 78°02'04" East a distance of 191.19 feet;
thence South 36°24'02" East a distance of 347.82 feet;
thence South 32°39'29" East a distance of 250.06 feet to a point of curve;
thence along the arc of a curve to the left having a radius of 215.00 feet, a central angle of 65°16'55", an arc length of 244.97 feet and whose chord bears South 65°17'57" East a distance of 231.93 feet;
thence North 82°03'36" East a distance of 35.54 feet;
thence along the arc of a curve to the left having a radius of 200.00 feet, a central angle of 69°29'20", an arc length of 242.56 feet and whose chord bears North 47°18'55" East a distance of 227.97 feet;
thence North 12°34'15" East a distance of 8.49 feet to a point of curve;
thence along the arc of a curve to the left having a radius of 2150.00 feet, a central angle of 20°16'07", an arc length of 760.57 feet and whose chord bears North 02°26'12" East a distance of 756.61 feet;
thence North 07°41'52" West a distance of 958.60 feet;
thence North 09°46'56" West a distance of 1318.05 feet;
thence North 89°58'46" East, parallel with and 1325.00 feet north of said north line of the Northeast Quarter of Section 4, a distance of 1187.41 feet to the **Point of Beginning**.

Containing 4,221,670 square feet or 96.916 acres, more or less.








Total Area contains 11,434,245 square feet or 262.241 acres, more or less.

42.8 ~~Reserved~~ FIGURES

Figure 1. Specified Area for Rocky Flats Environmental Technology Site.



Legend

-  Limited Access
-  Highway
-  Major Road
-  Local Road
-  Minor Road
-  Cities
-  Regulation 42 Specified Areas

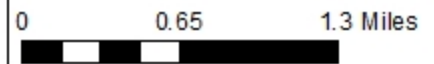
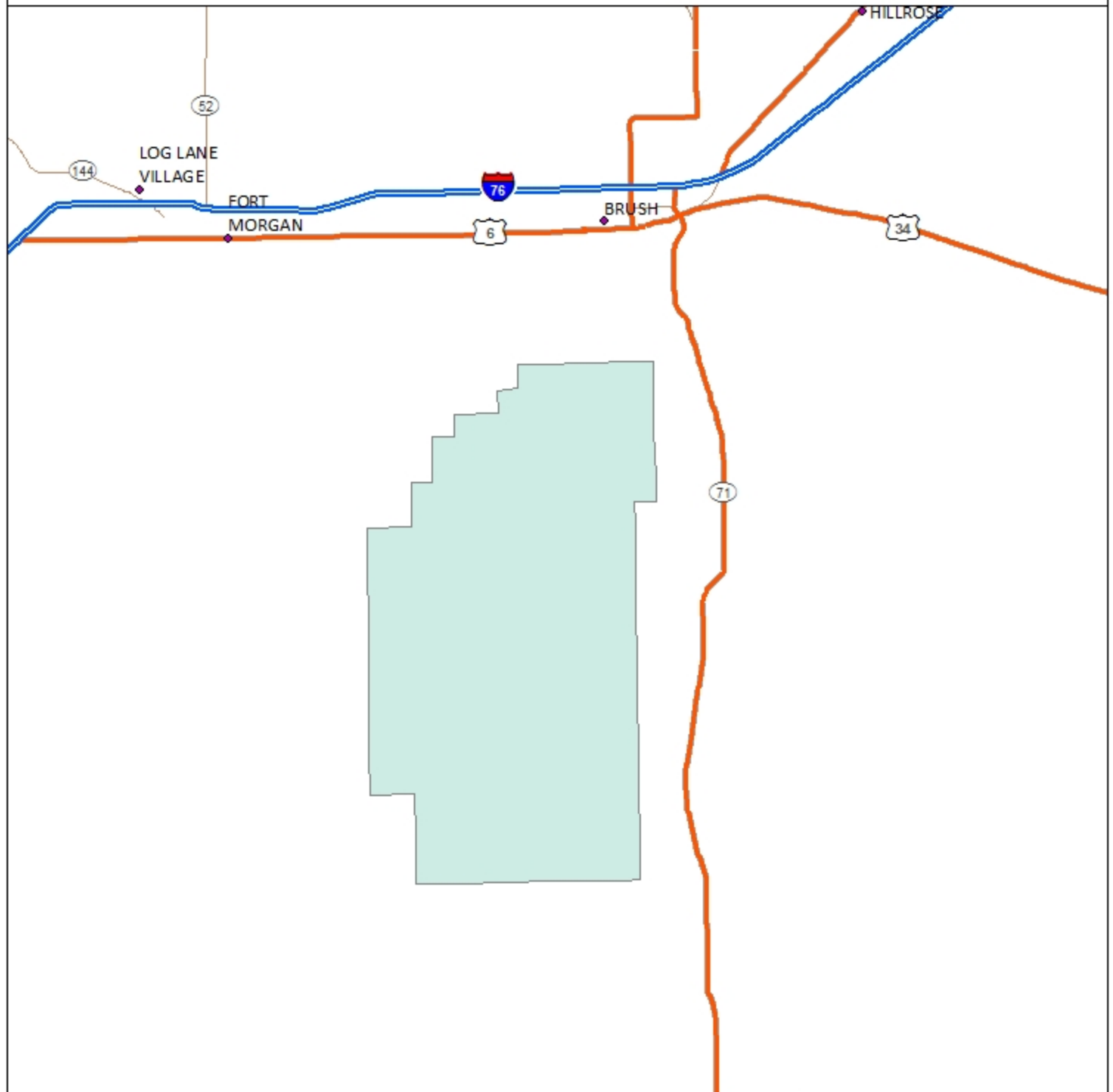


Figure 2. Specified Area for Brush Wellfield.



Legend

- | | | |
|----------------|------------|-------------------------------|
| Limited Access | Local Road | Cities |
| Highway | Minor Road | Regulation 42 Specified Areas |
| Major Road | | |

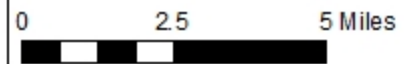
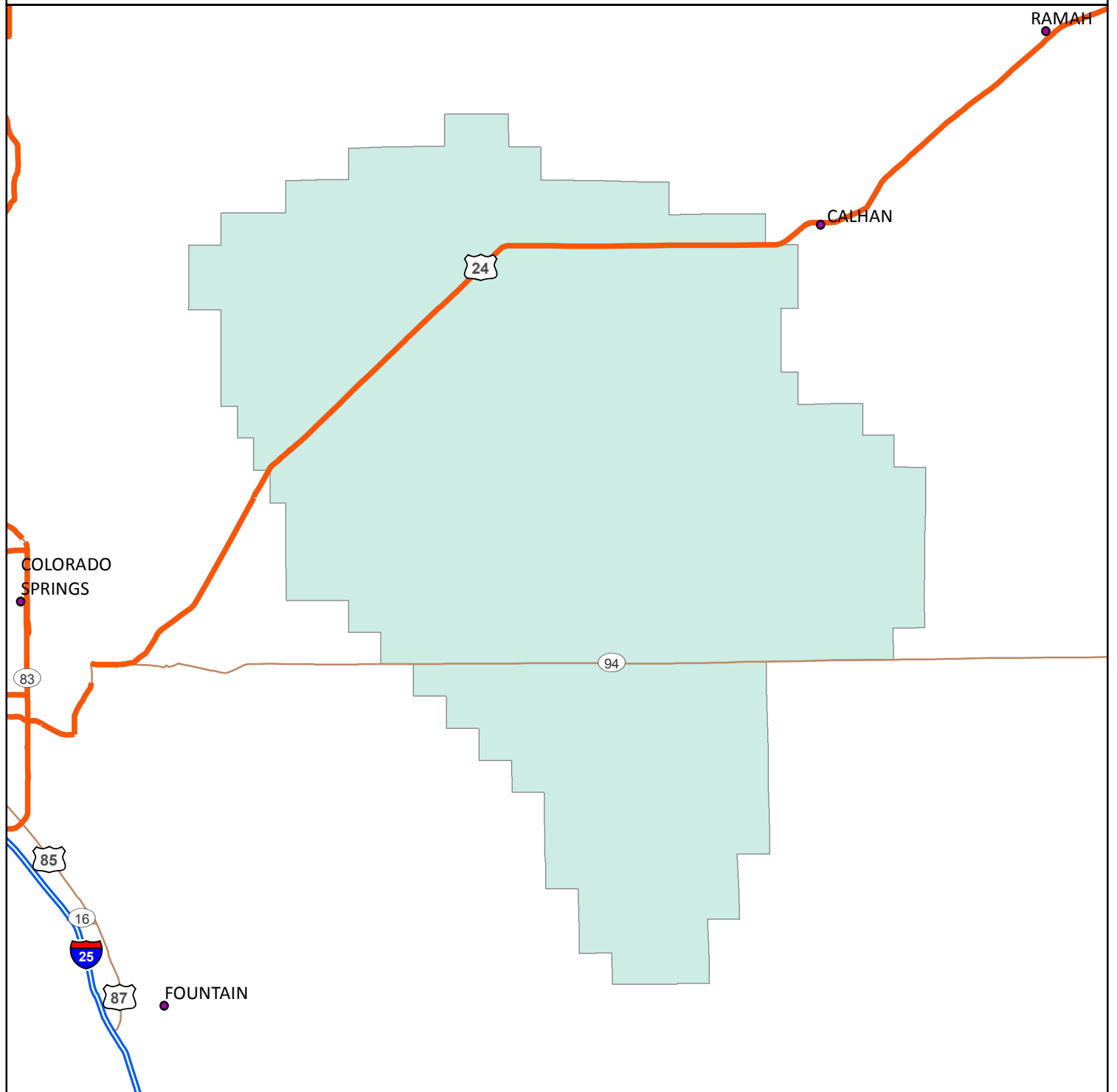


Figure 3. Specified Area for Upper Black Squirrel Creek Alluvial Aquifer.



Legend

- Limited Access
- Highway
- Major Road
- Local Road
- Minor Road
- Cities
- Regulation 42 Specified Areas

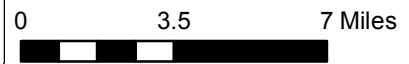
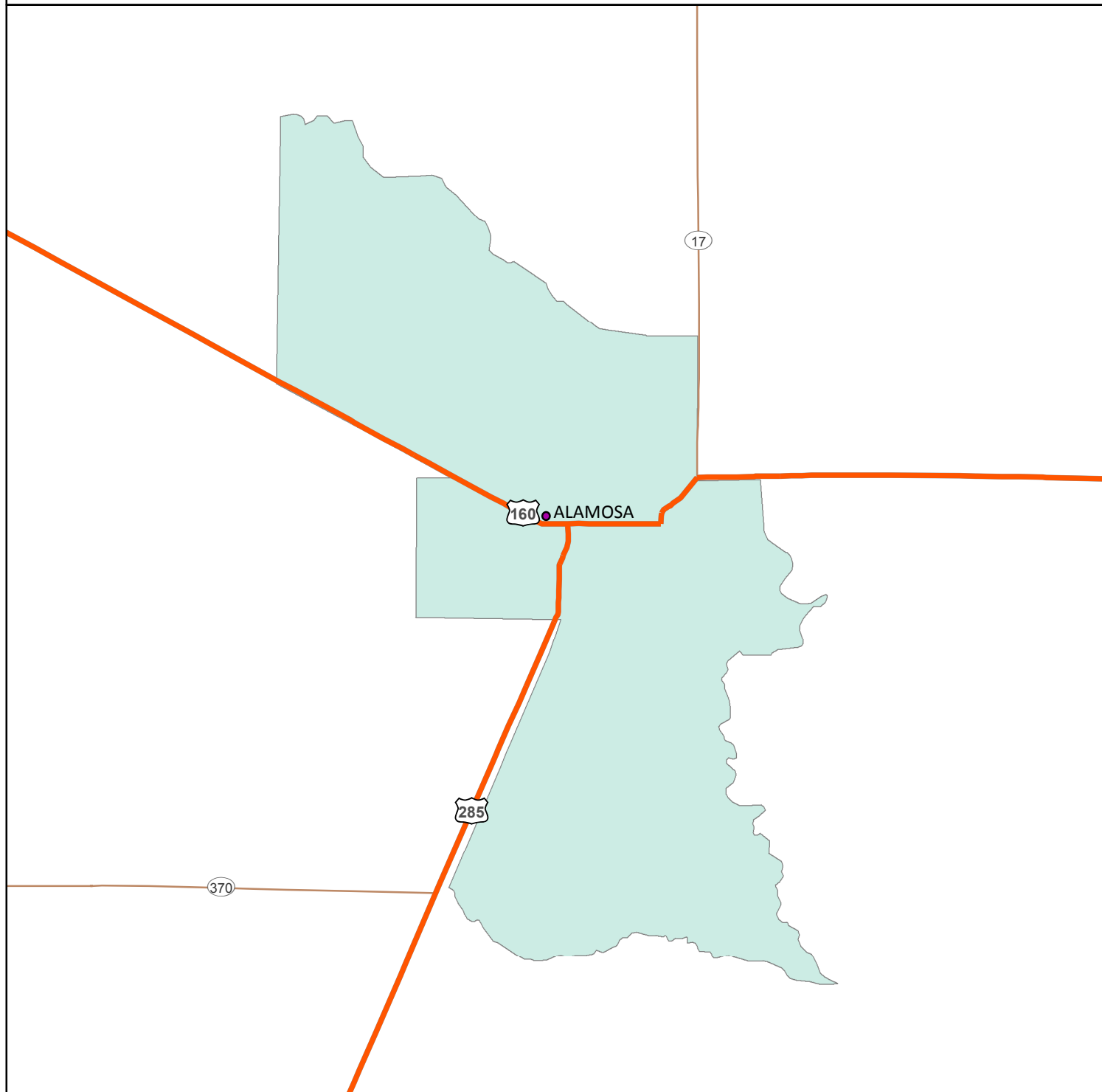


Figure 4. Specified Area for Alamosa Wellfield.



Legend

- Limited Access
- Highway
- Major Road
- Local Road
- Minor Road
- Cities
- Regulation 42 Specified Areas

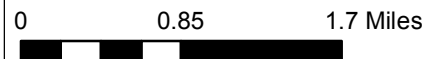
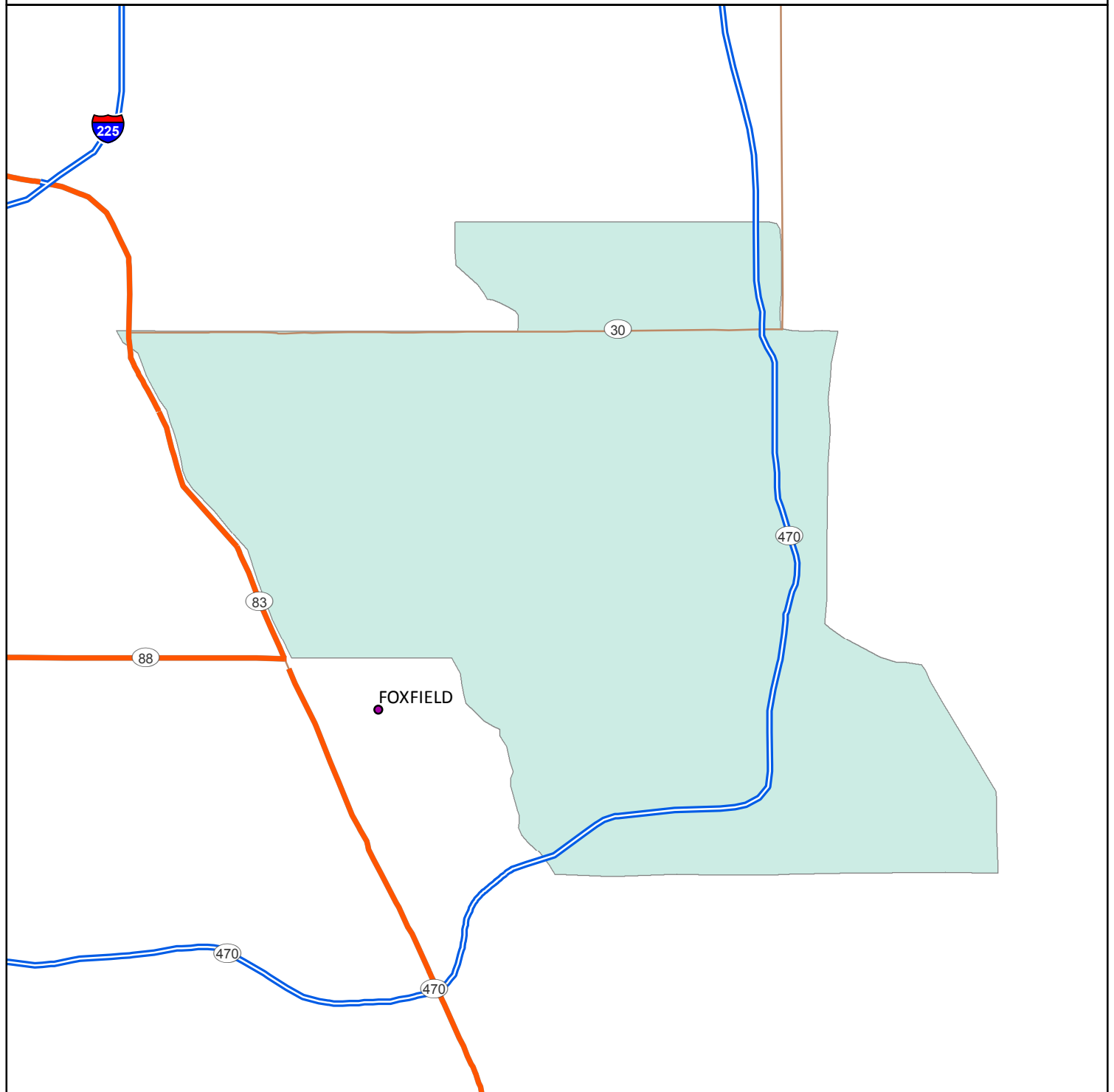


Figure 5. Specified Area for East Cherry Creek Valley Wellfield.

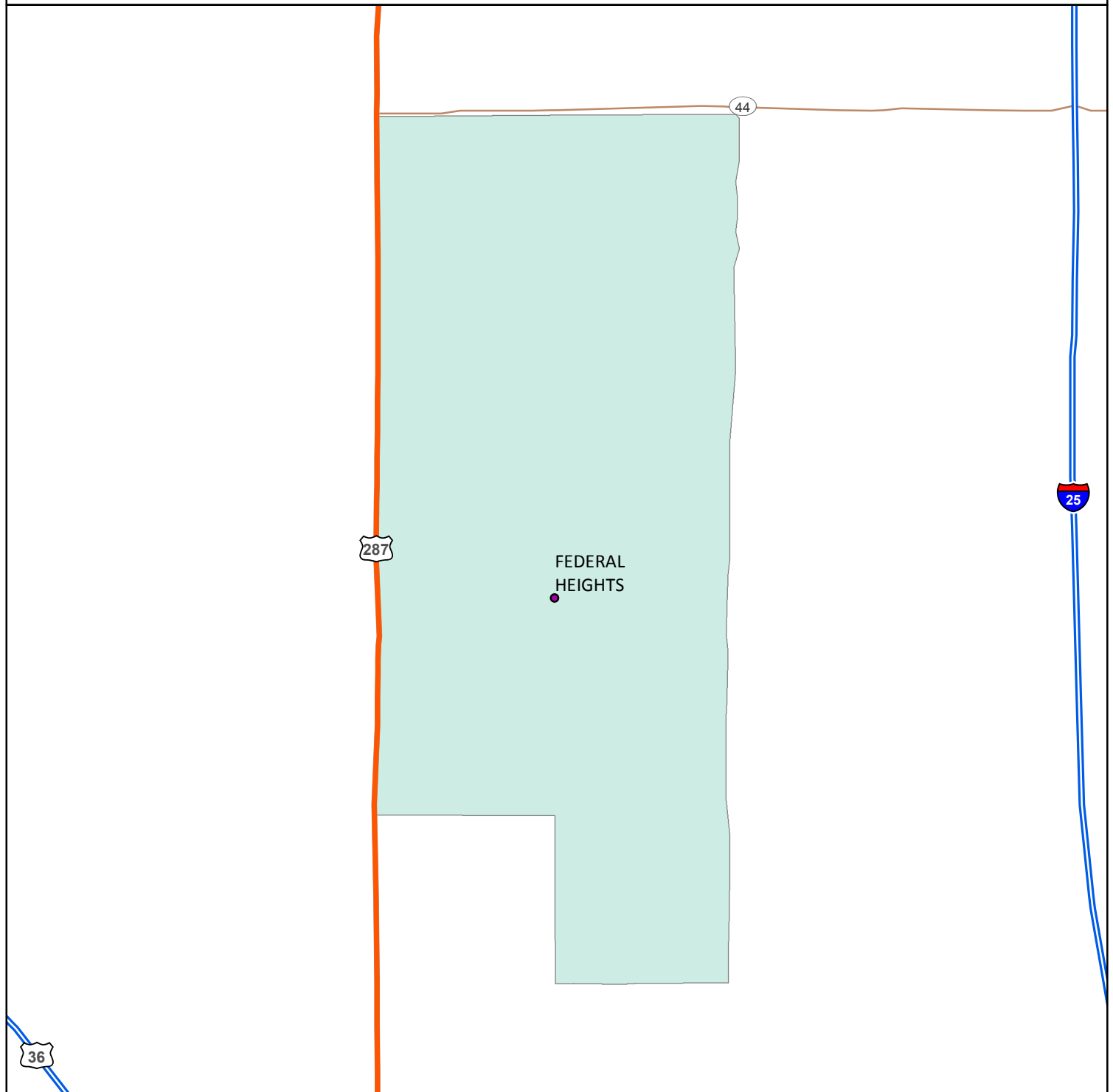


Legend

- | | | |
|----------------|------------|-------------------------------|
| Limited Access | Local Road | Cities |
| Highway | Minor Road | Regulation 42 Specified Areas |
| Major Road | | |



Figure 6. Specified Area for Federal Heights Wellfield.



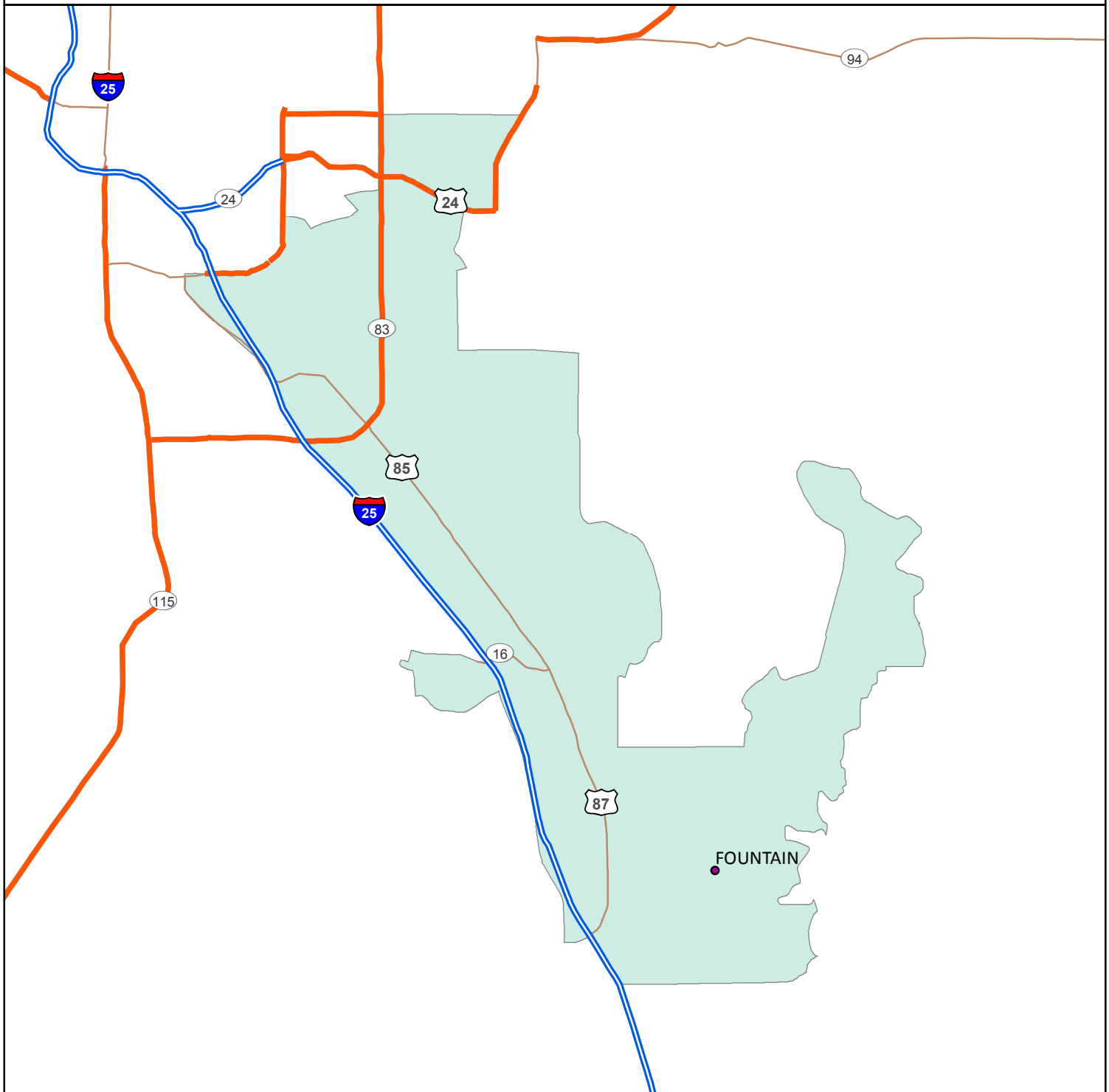
Legend

- Limited Access
- Highway
- Major Road
- Local Road
- Minor Road
- Cities
- Regulation 42 Specified Areas



0 0.35 0.7 Miles

Figure 7. Specified Area for Fountain, Security, Stratmoor Hills, and Widefield Wellfields.



Legend

- Limited Access
- Highway
- Major Road
- Local Road
- Minor Road
- Regulation 42 Specified Areas
- Cities

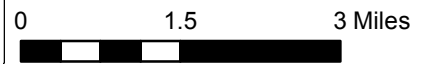
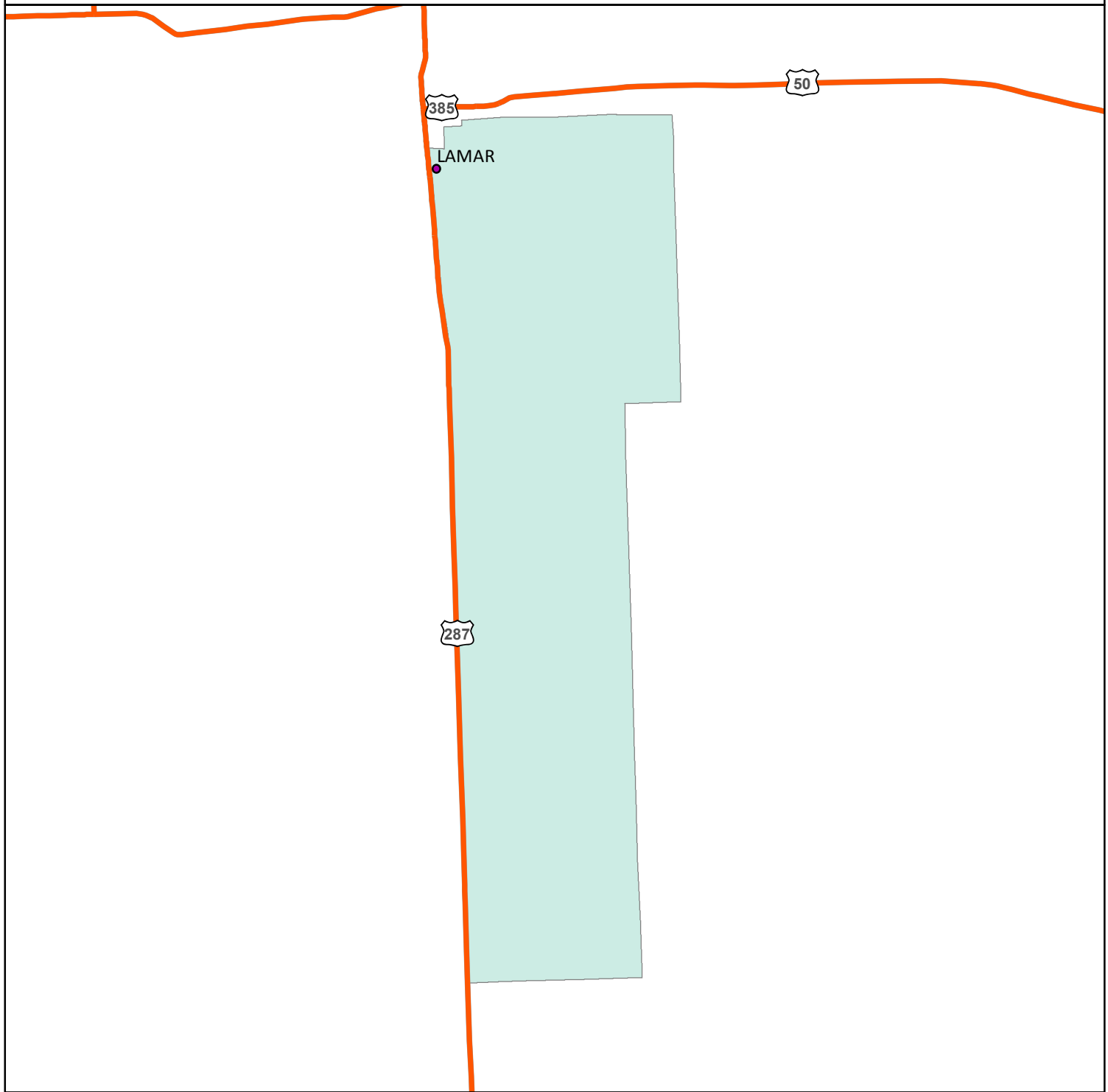


Figure 8. Specified Area for Lamar Wellfield.

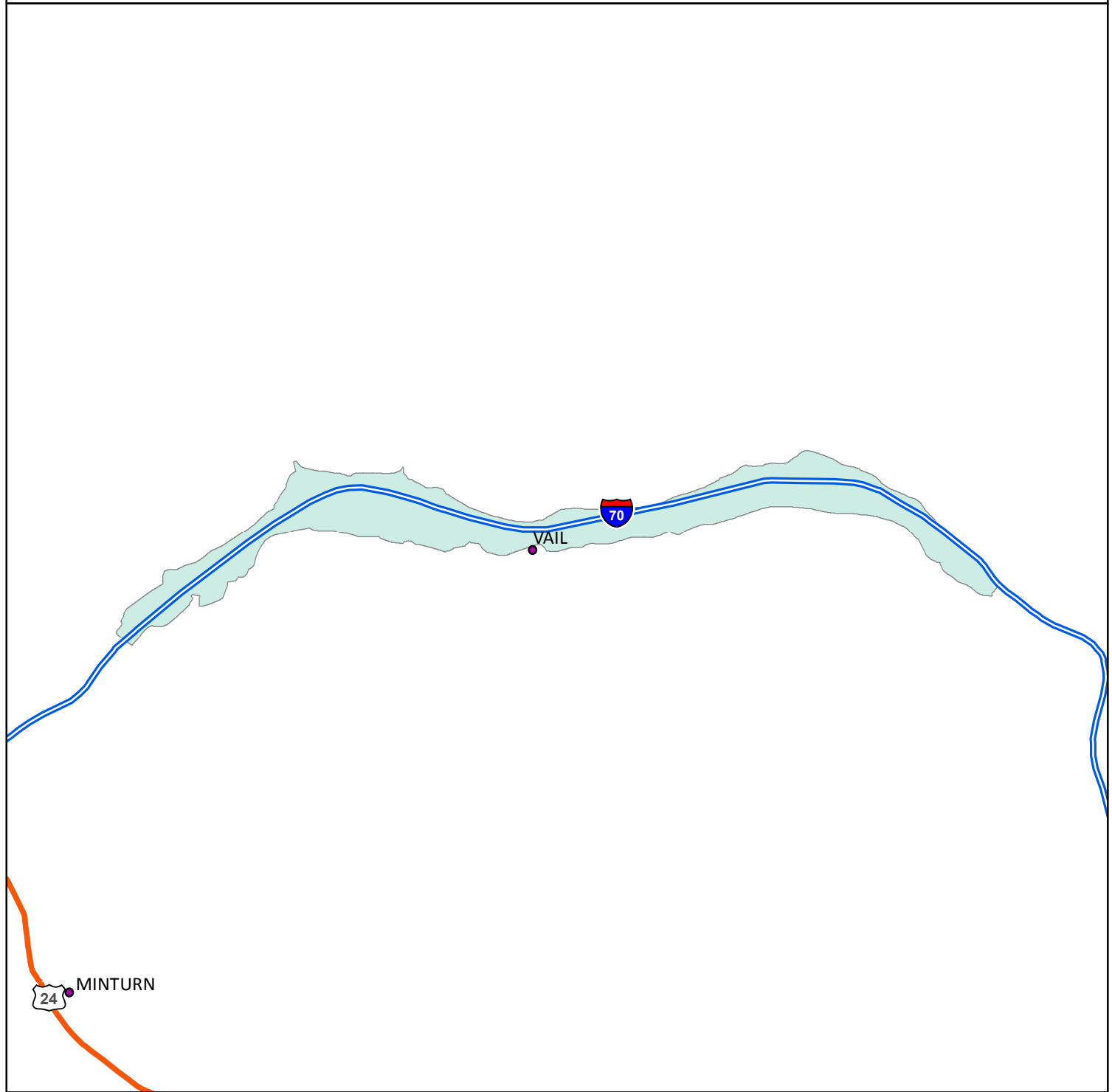


Legend

- Limited Access
- Highway
- Major Road
- Local Road
- Minor Road
- Cities
- Regulation 42 Specified Areas



Figure 9. Specified Area for Vail Valley Wellfield.



Legend

- | | | |
|----------------|------------|-------------------------------|
| Limited Access | Local Road | Cities |
| Highway | Minor Road | Regulation 42 Specified Areas |
| Major Road | | |

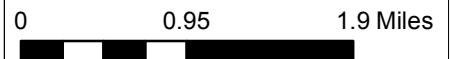
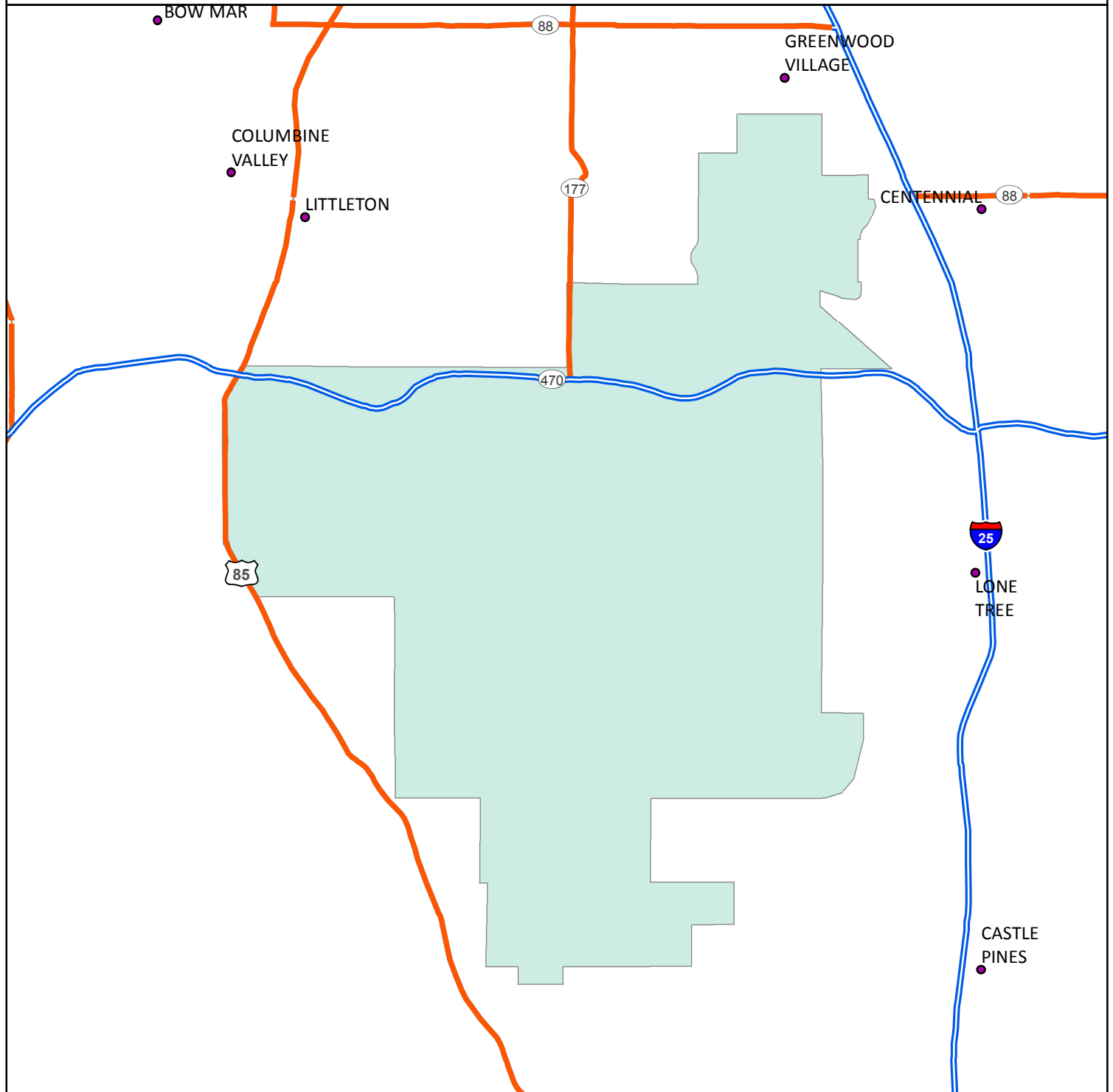


Figure 10. Specified Area for Willows and Centennial Ground Water Classification Area.



Legend

- Limited Access
- Highway
- Major Road
- Local Road
- Minor Road
- Regulation 42 Specified Areas
- Cities

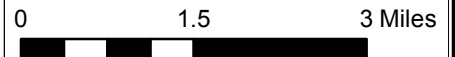
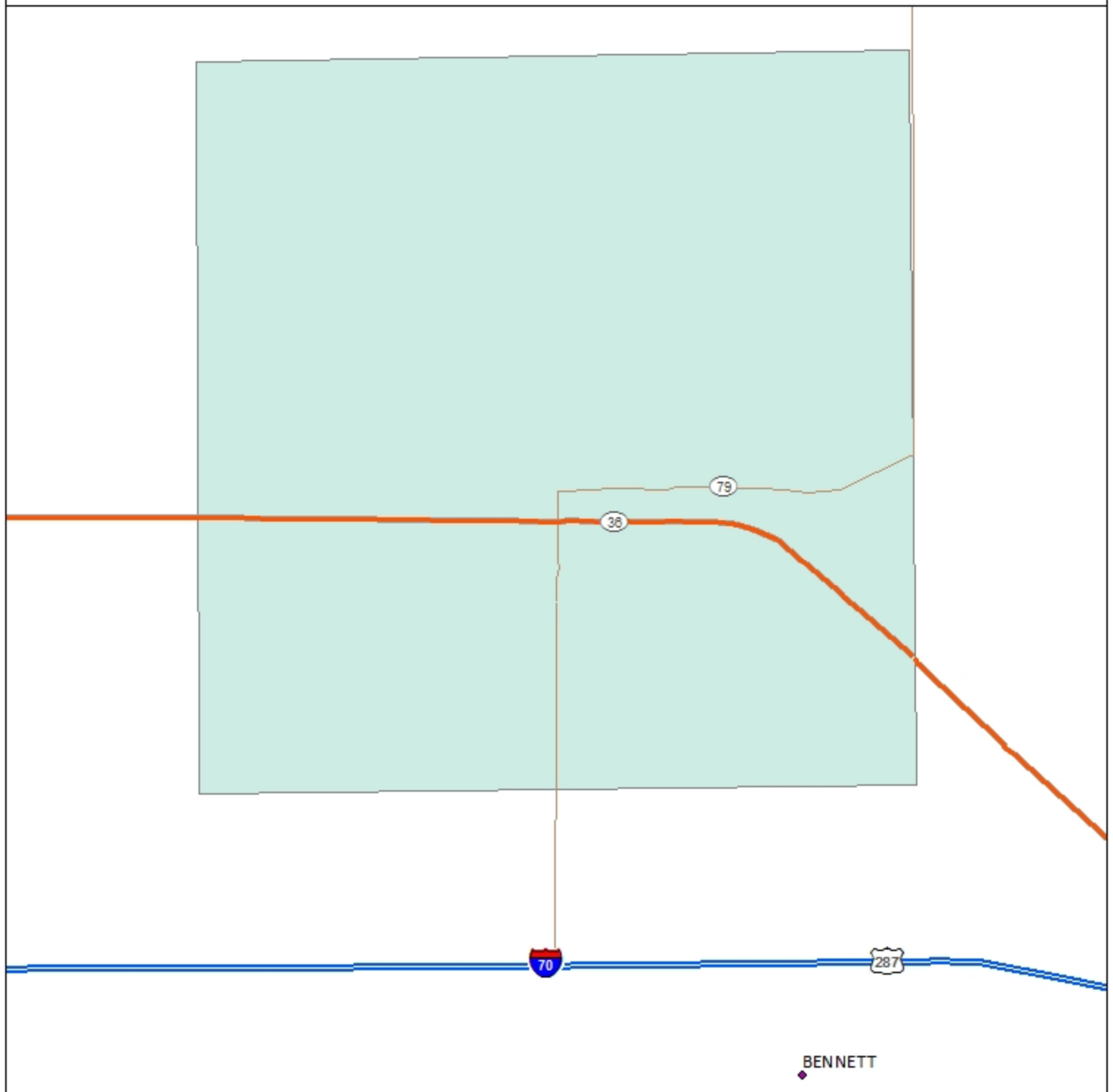


Figure 11. Specified Area for Bennett Wellfield.



Legend

- | | | |
|----------------|------------|-------------------------------|
| Limited Access | Local Road | Cities |
| Highway | Minor Road | Regulation 42 Specified Areas |
| Major Road | | |

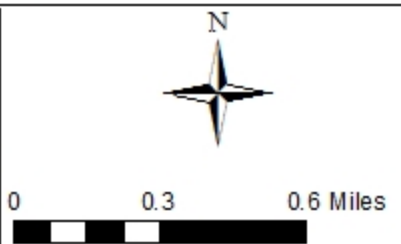
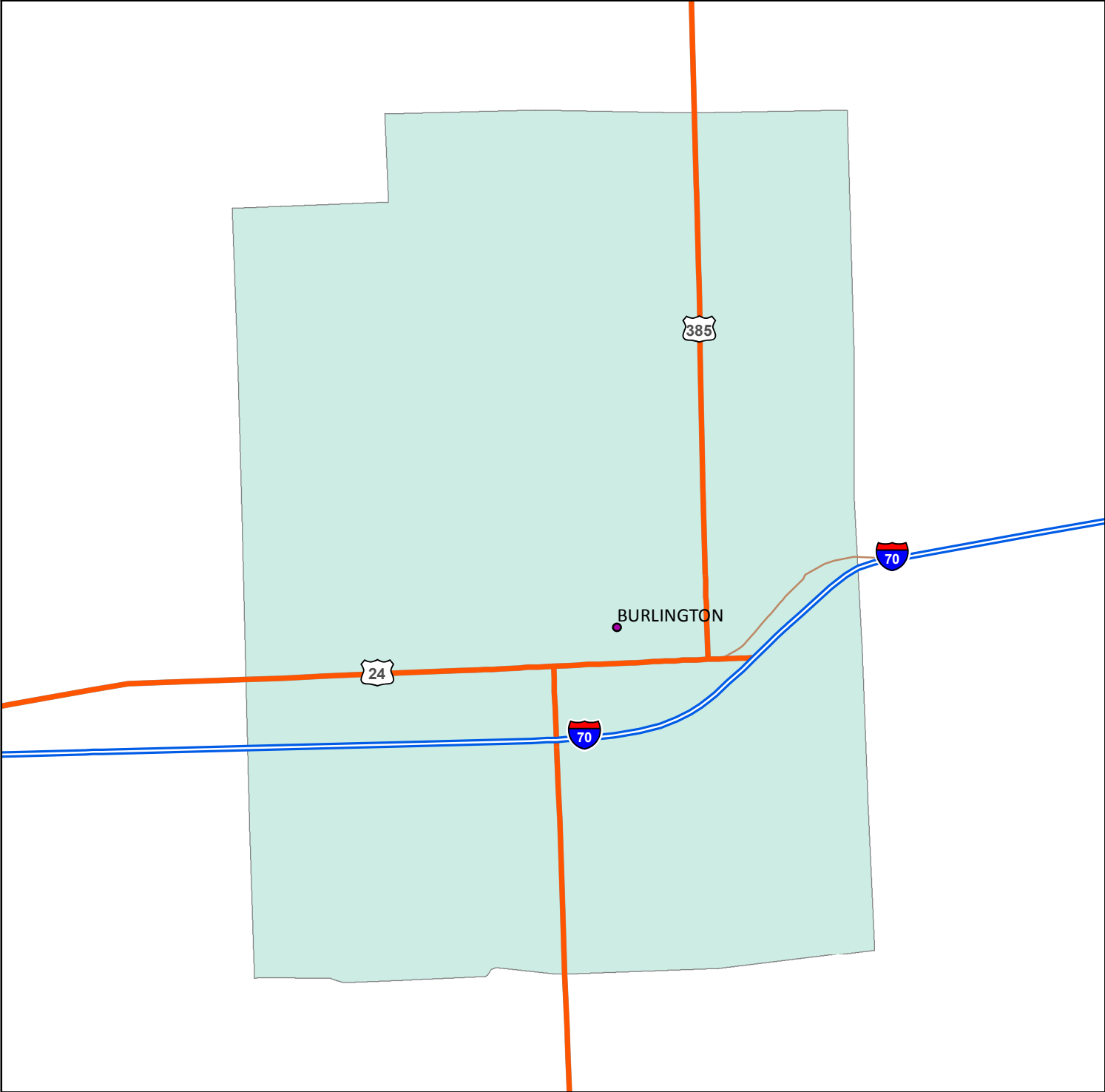


Figure 12. Specified Area for the Burlington Wellfield.



Legend

- Limited Access
- Highway
- Major Road
- Local Road
- Minor Road
- Cities
- Regulation 42 Specified Areas

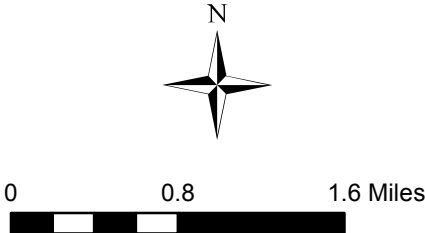
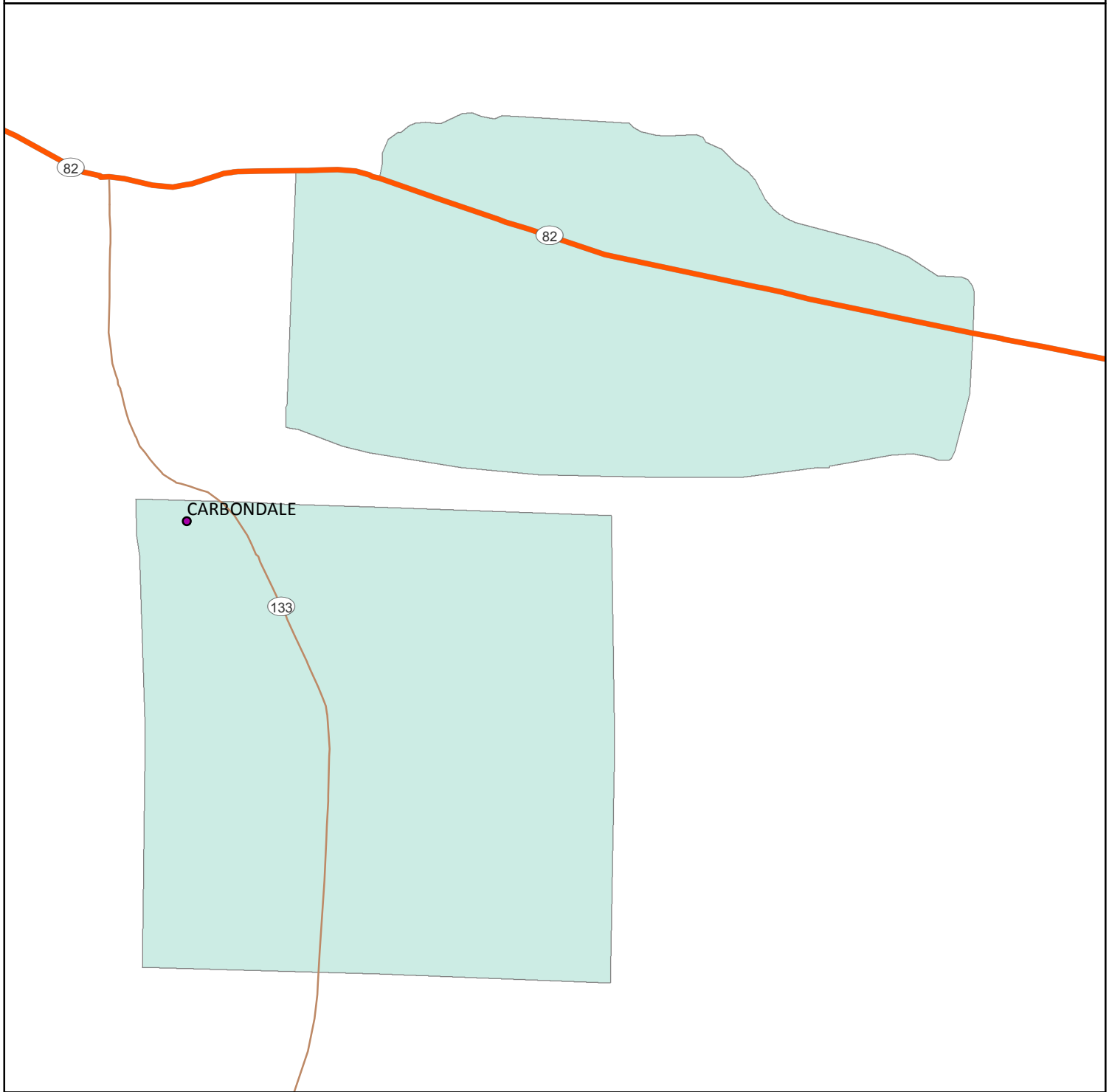









Figure 13. Specified Area for Carbondale Wellfield.



Legend

-  Limited Access
-  Highway
-  Major Road
-  Local Road
-  Minor Road
-  Cities
-  Regulation 42 Specified Areas

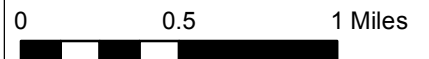
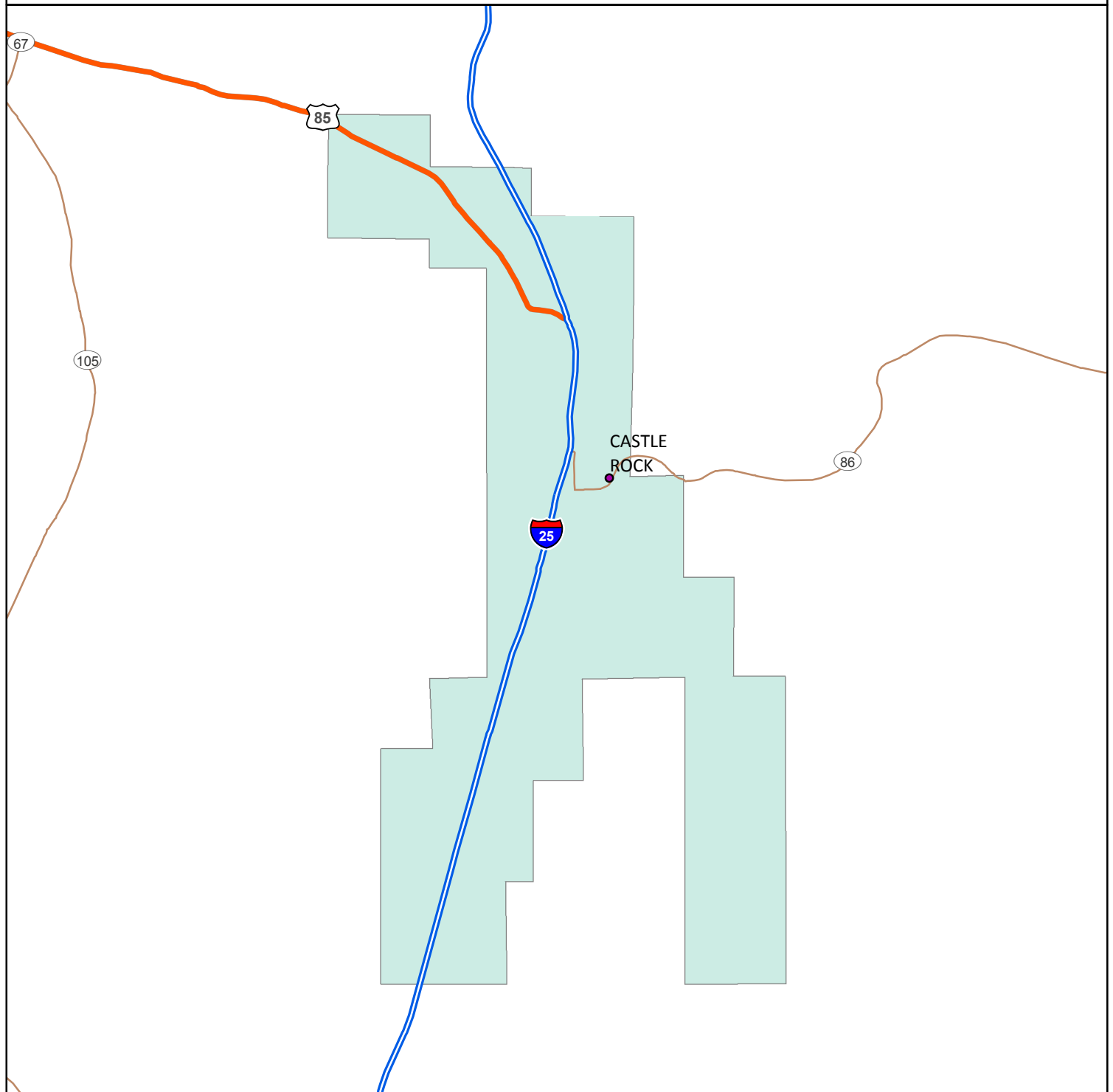


Figure 14. Specified Area for Castle Rock Wellfield.



Legend








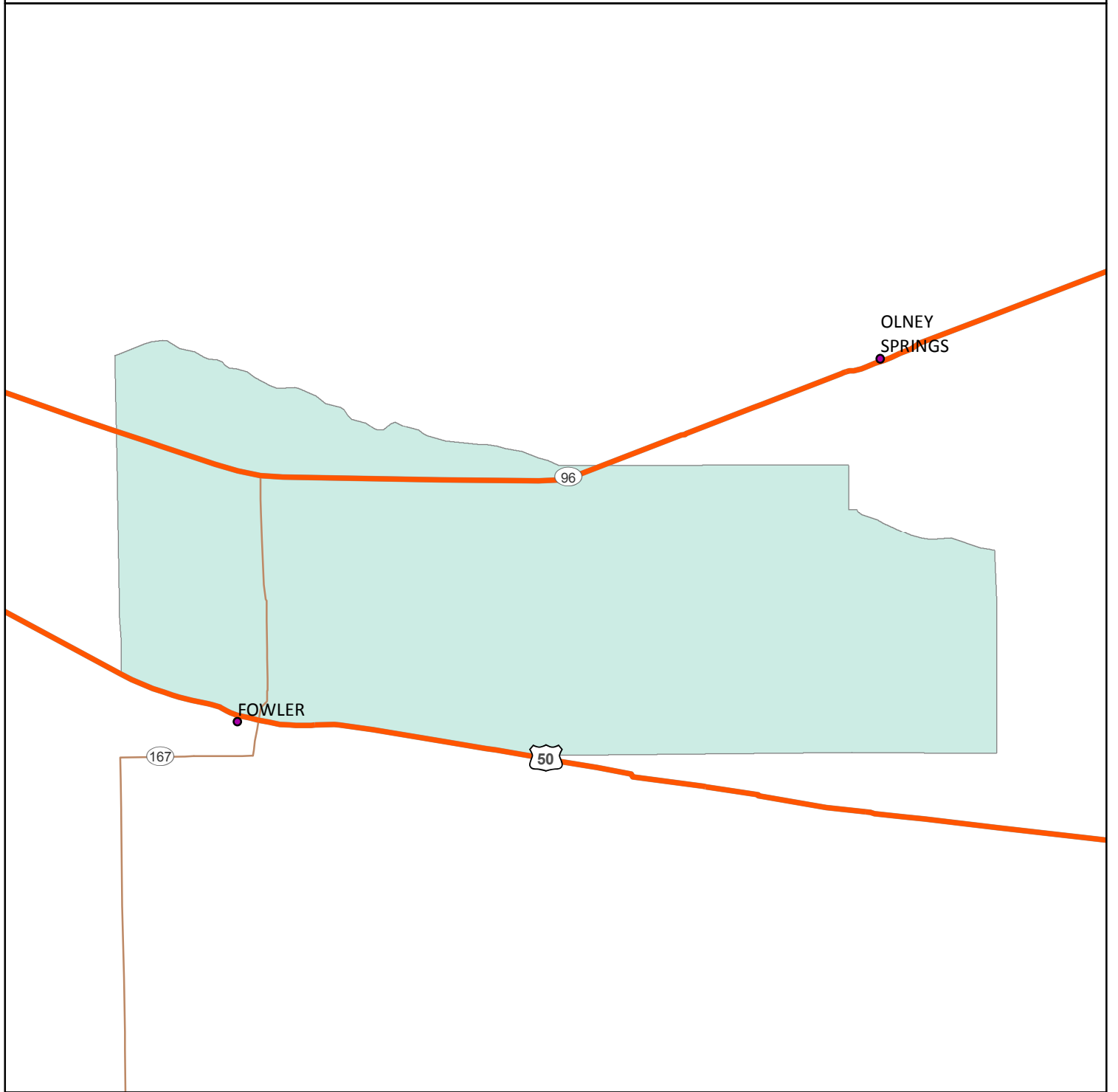







- | | | |
|---|--|---|
|  Limited Access |  Local Road |  Cities |
|  Highway |  Minor Road |  Regulation 42 Specified Areas |
|  Major Road | | |



Figure 15. Specified Area for Crowley County Water System Wellfield.



Legend

-  Limited Access
-  Highway
-  Major Road
-  Local Road
-  Minor Road
-  Regulation 42 Specified Areas
-  Cities

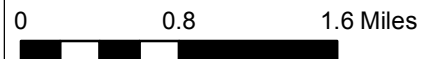
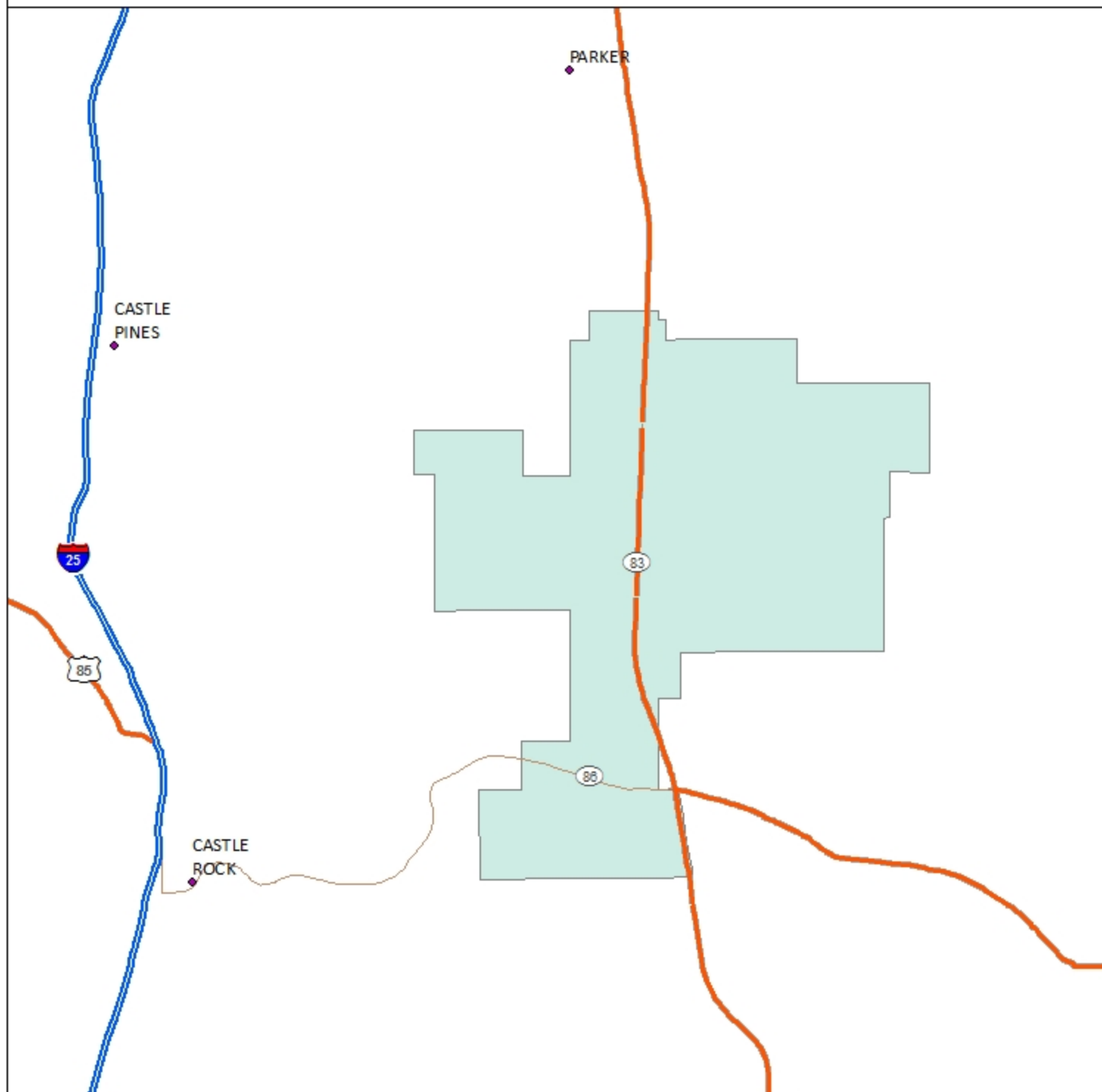


Figure 16. Specified Area for Denver SE Suburban Water and Sanitation District Wellfield.



Legend

- | | | |
|----------------|------------|-------------------------------|
| Limited Access | Local Road | Cities |
| Highway | Minor Road | Regulation 42 Specified Areas |
| Major Road | | |

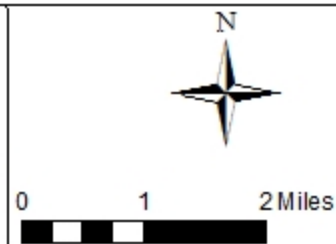
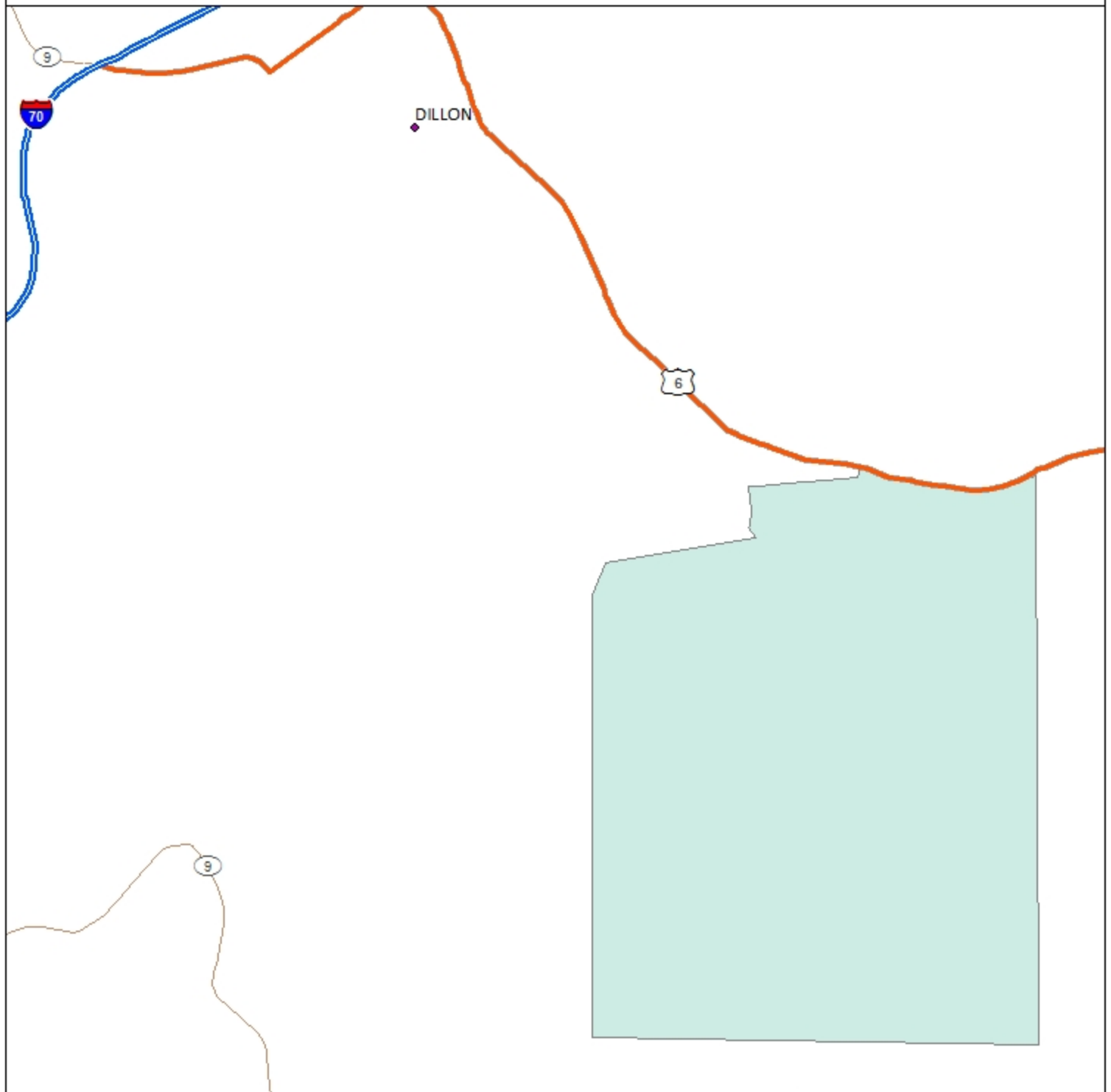


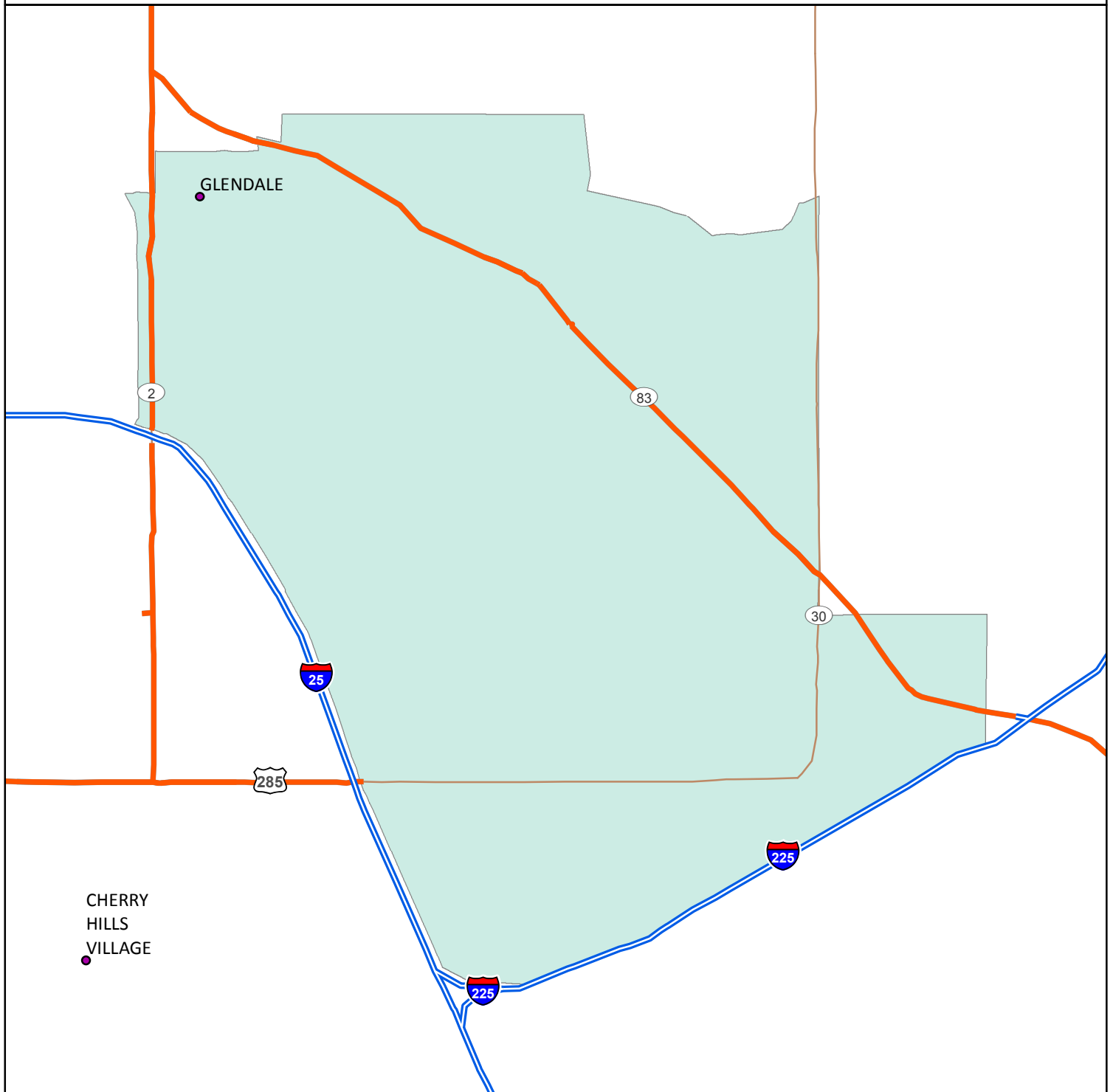
Figure 17. Specified Area for East Dillon Water District Wellfield.



Legend

- | | | |
|----------------|------------|-------------------------------|
| Limited Access | Local Road | Cities |
| Highway | Minor Road | Regulation 42 Specified Areas |
| Major Road | | |

Figure 18. City of Glendale and Cherry Creek Valley Water and Sanitation District Ground Water Classification Area.

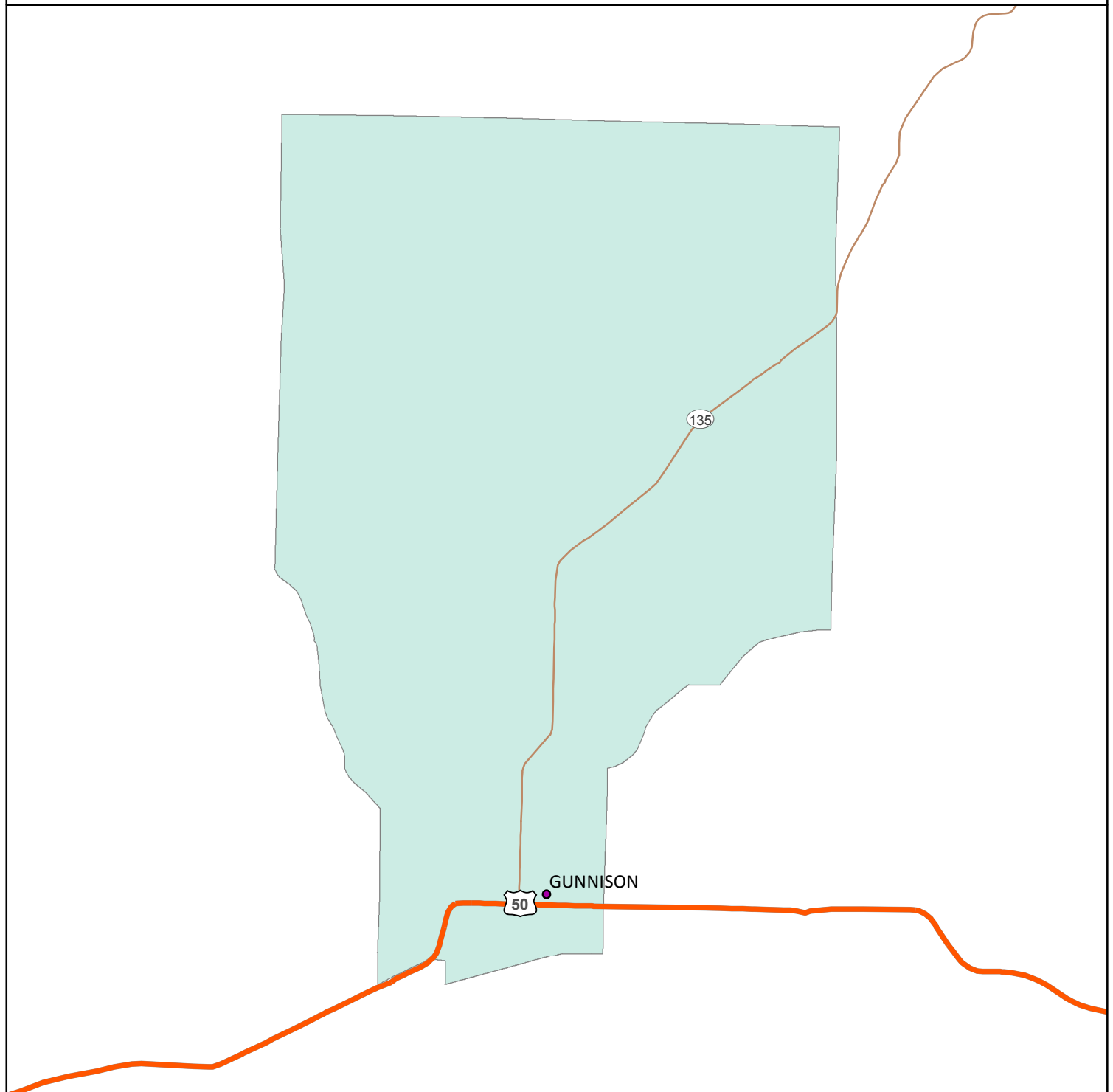


Legend

- Limited Access
- Highway
- Major Road
- Local Road
- Minor Road
- Cities
- Regulation 42 Specified Areas



Figure 19. Specified Area for the Gunnison Wellfield.



Legend








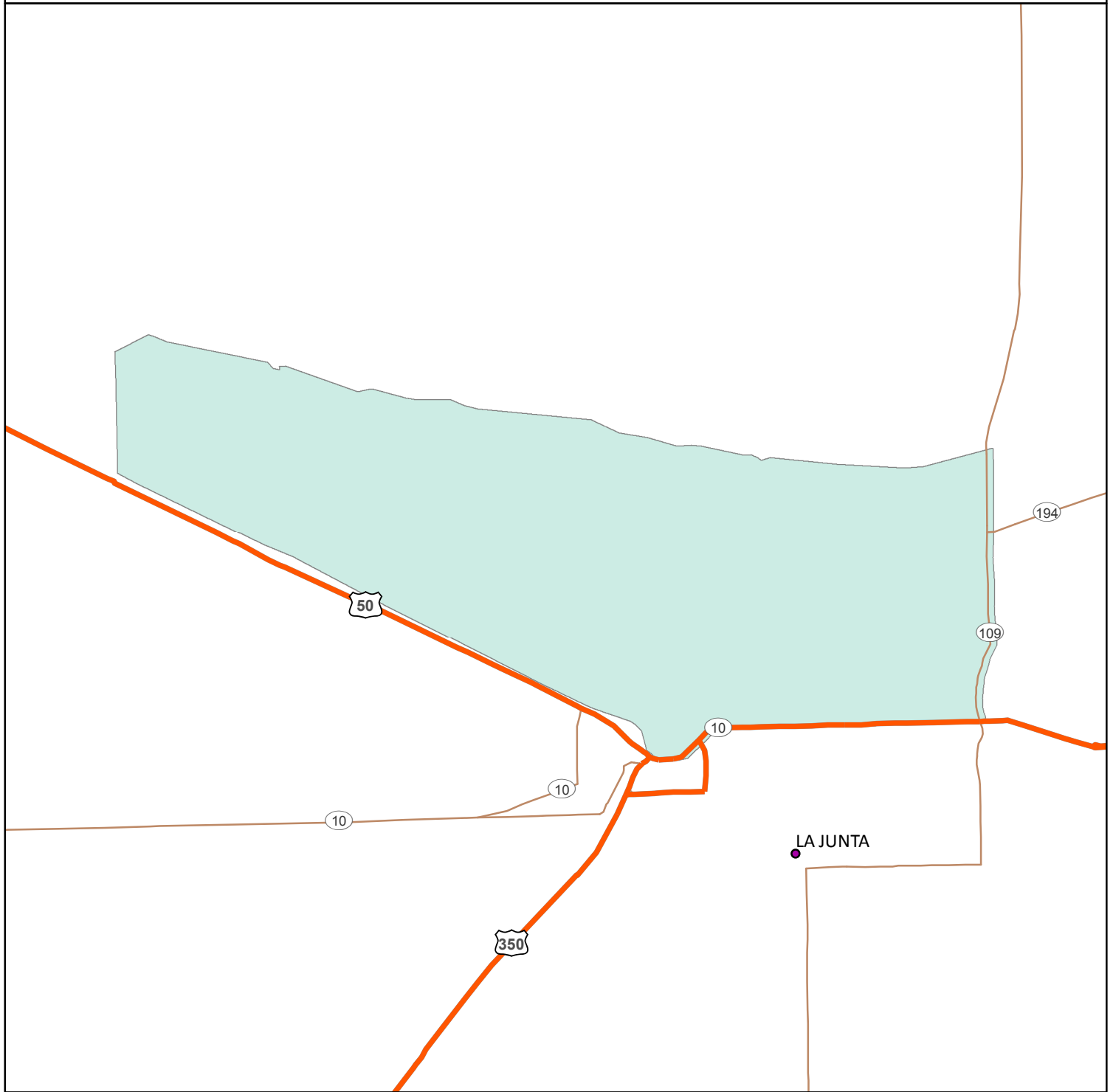







- | | | |
|---|--|---|
|  Limited Access |  Local Road |  Cities |
|  Highway |  Minor Road |  Regulation 42 Specified Areas |
|  Major Road | | |



Figure 20. Specified Area for La Junta Wellfield.



Legend

- | | | |
|---|--|---|
|  Limited Access |  Local Road |  Cities |
|  Highway |  Minor Road |  Regulation 42 Specified Areas |
|  Major Road | | |

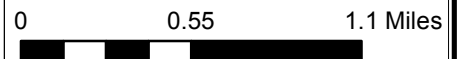
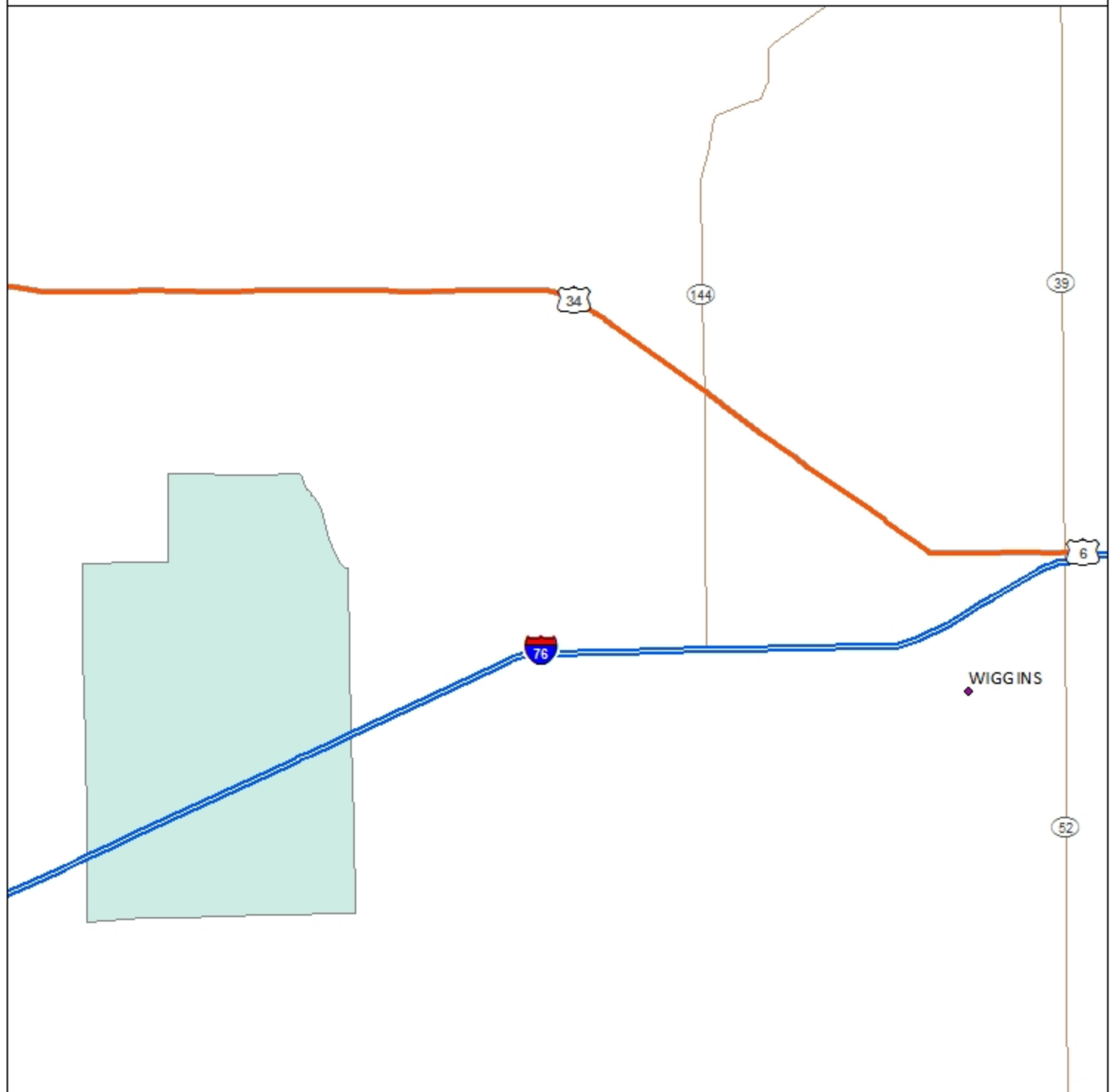


Figure 21. Specified Area for Morgan County Quality Water District Wellfield.



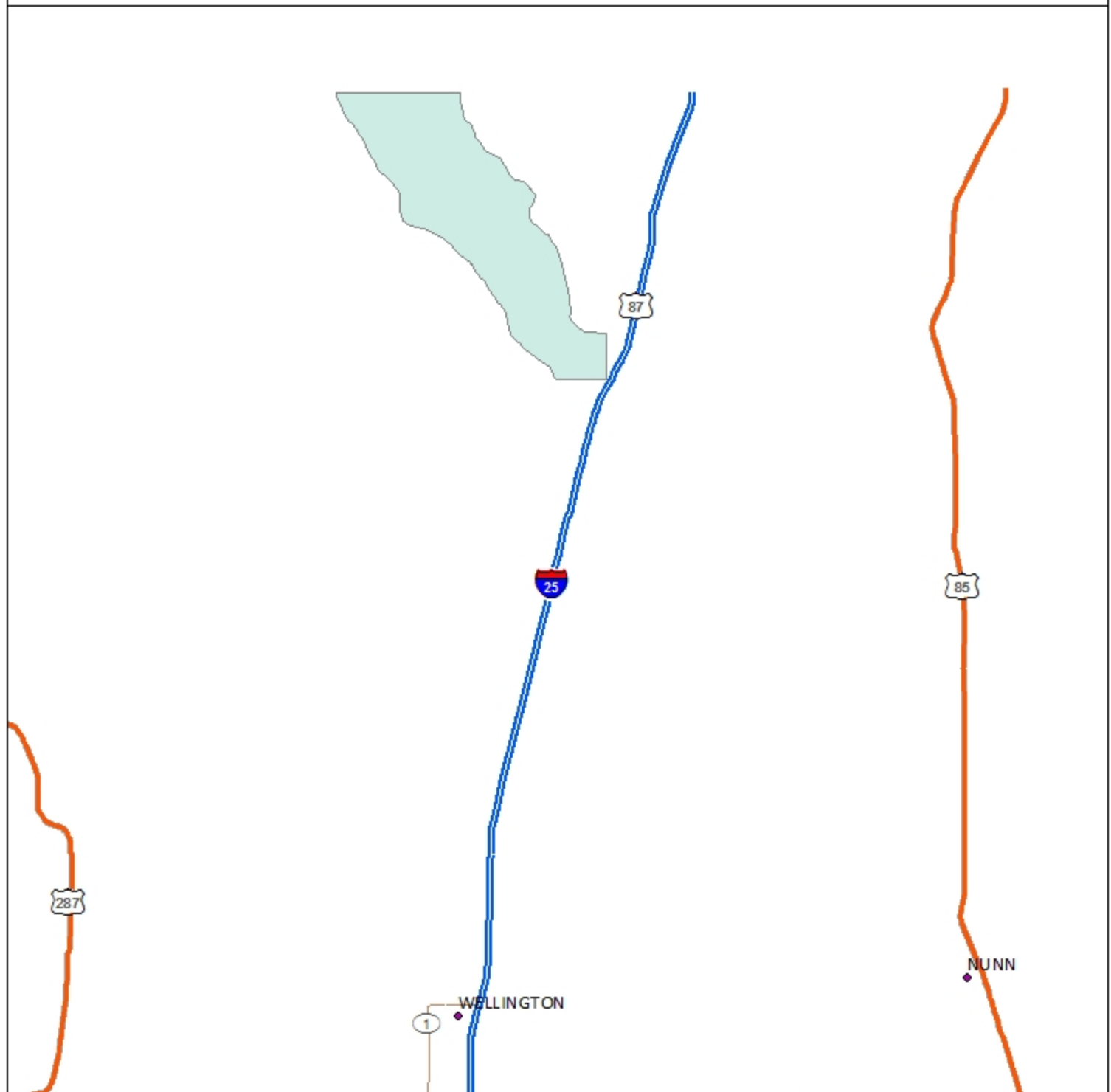
Legend

- | | | |
|----------------|------------|-------------------------------|
| Limited Access | Local Road | Cities |
| Highway | Minor Road | Regulation 42 Specified Areas |
| Major Road | | |



0 1 2 Miles

Figure 22. Specified Area for Northern Colorado Water Association Wellfield.



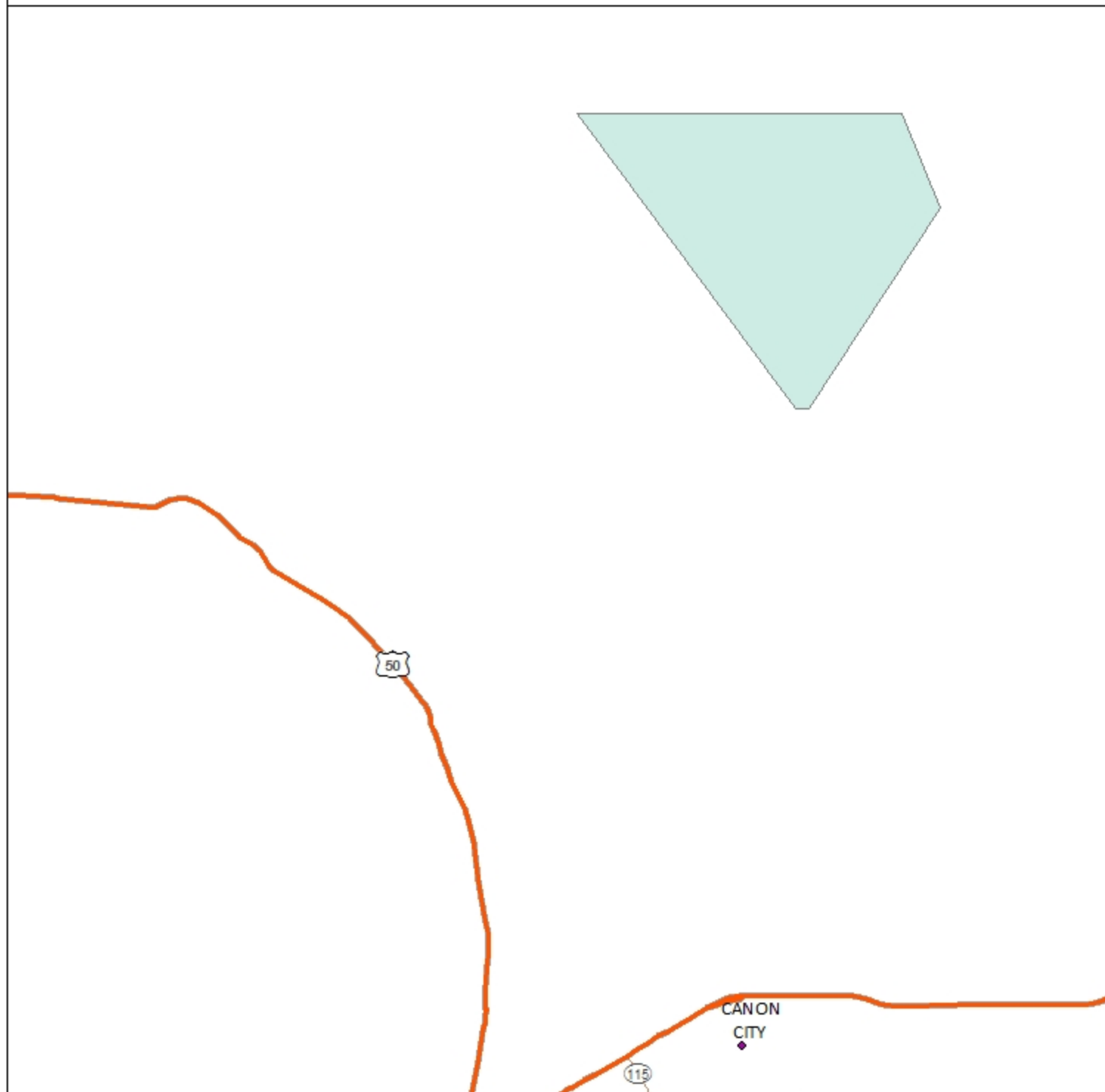
Legend

- | | | |
|----------------|------------|-------------------------------|
| Limited Access | Local Road | Cities |
| Highway | Minor Road | Regulation 42 Specified Areas |
| Major Road | | |



0 2.5 5 Miles

Figure 23. Specified Area for Park Center Water District Wellfield.



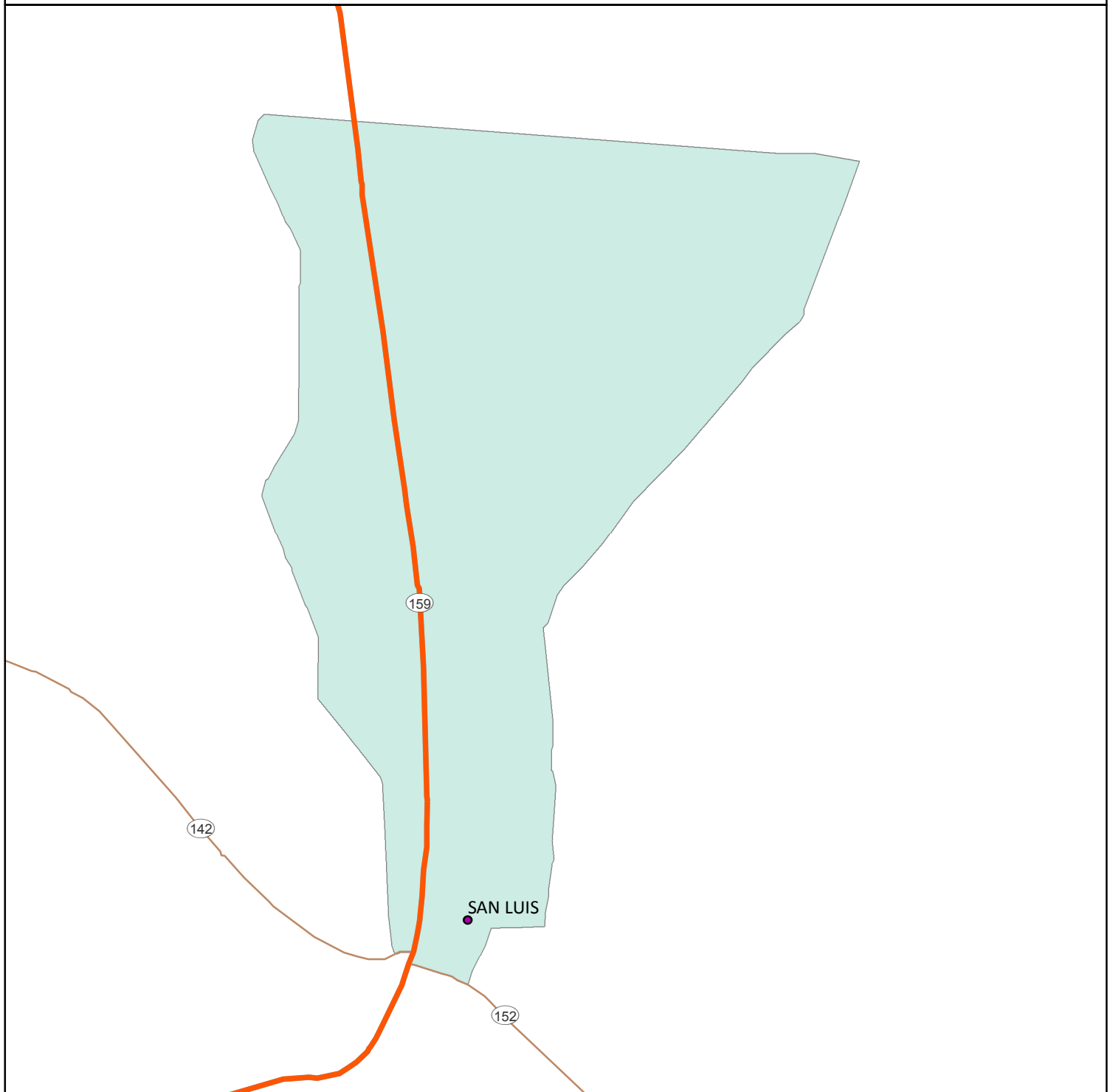
Legend

- | | | |
|----------------|------------|-------------------------------|
| Limited Access | Local Road | Cities |
| Highway | Minor Road | Regulation 42 Specified Areas |
| Major Road | | |










0 0.8 1.6 Miles

Figure 24. Specified Area for San Luis Wellfield.



Legend

- | | | |
|---|--|---|
|  Limited Access |  Local Road |  Cities |
|  Highway |  Minor Road |  Regulation 42 Specified Areas |
|  Major Road | | |

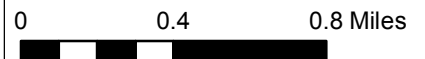
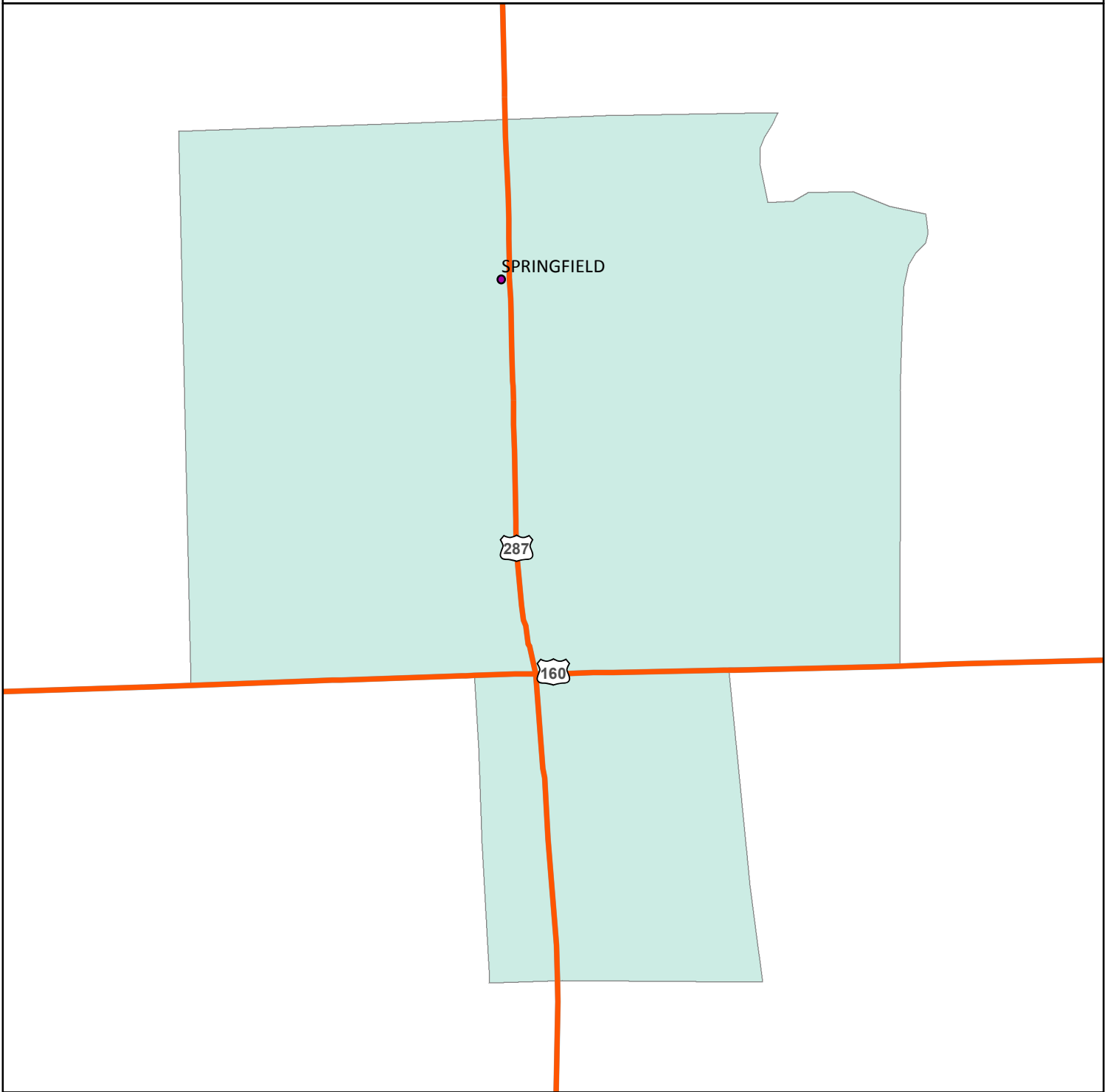


Figure 25. Specified Area for Springfield, Colorado Wellfield.



Legend

- Limited Access
- Highway
- Major Road
- Local Road
- Minor Road
- Cities
- Regulation 42 Specified Areas

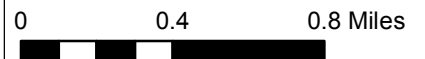
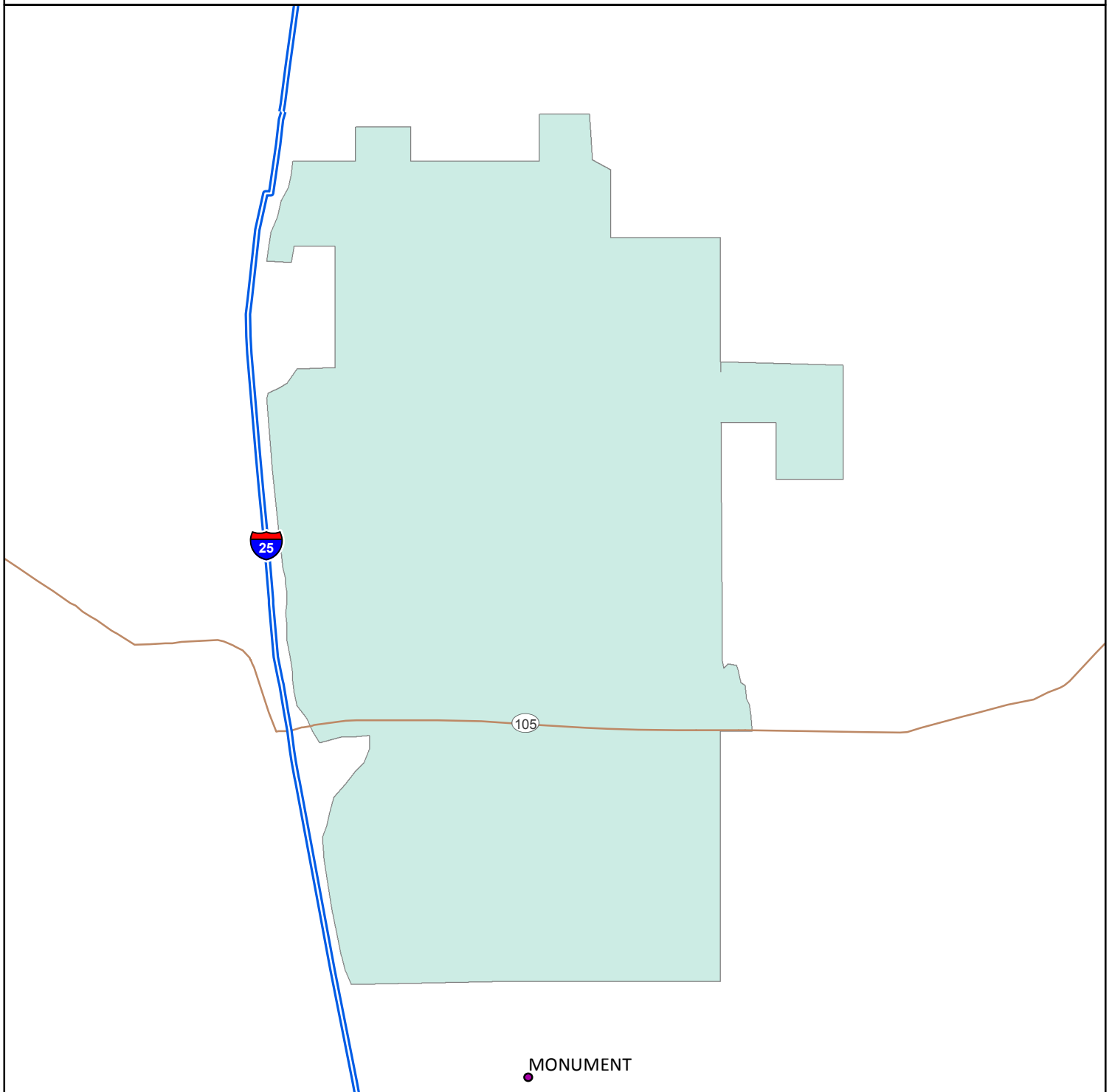









Figure 26. Specified Area for Woodmoor Water and Sanitation District #1 Wellfield.



Legend

- | | | |
|---|--|---|
|  Limited Access |  Local Road |  Cities |
|  Highway |  Minor Road |  Regulation 42 Specified Areas |
|  Major Road | | |

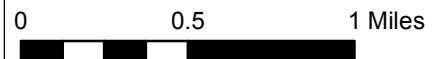
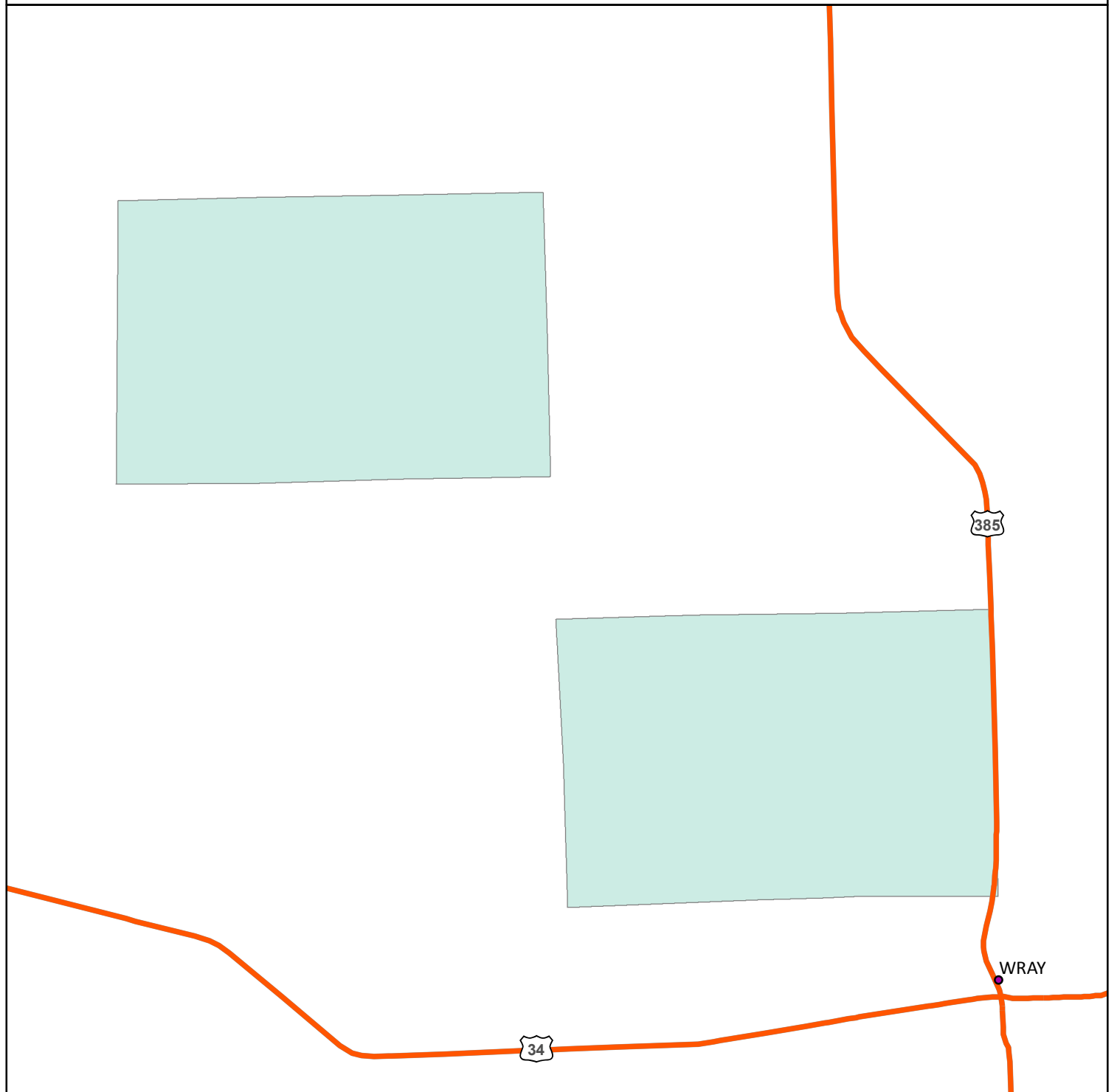


Figure 27. Specified Area for Wray Wellfield #1 (south) and #2 (north)



Legend

- Limited Access
- Highway
- Major Road
- Local Road
- Minor Road
- Cities
- Regulation 42 Specified Areas

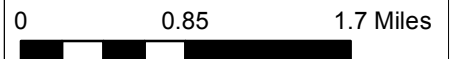
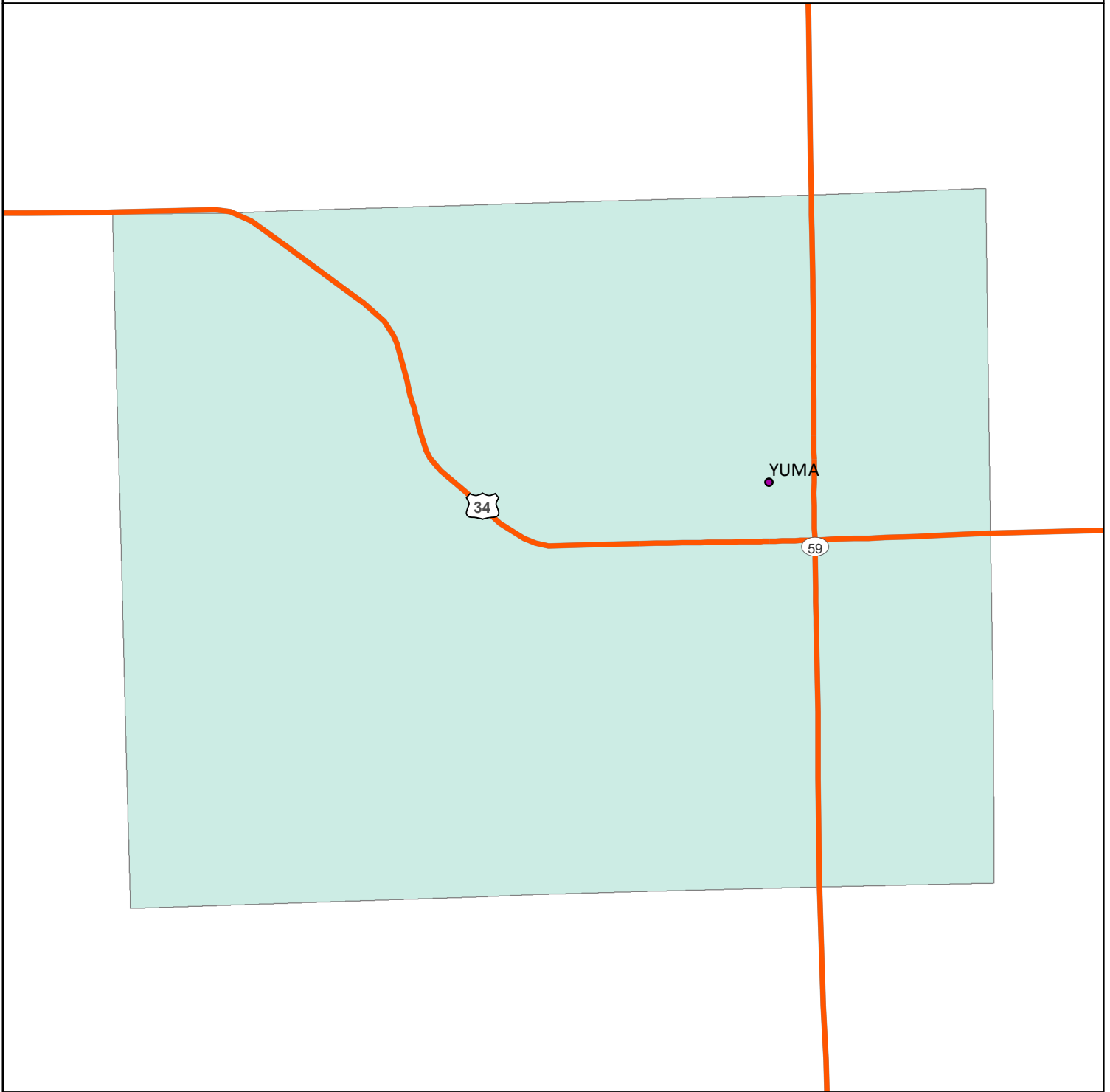


Figure 28. Specified Area for Yuma, Colorado Wellfield.



Legend








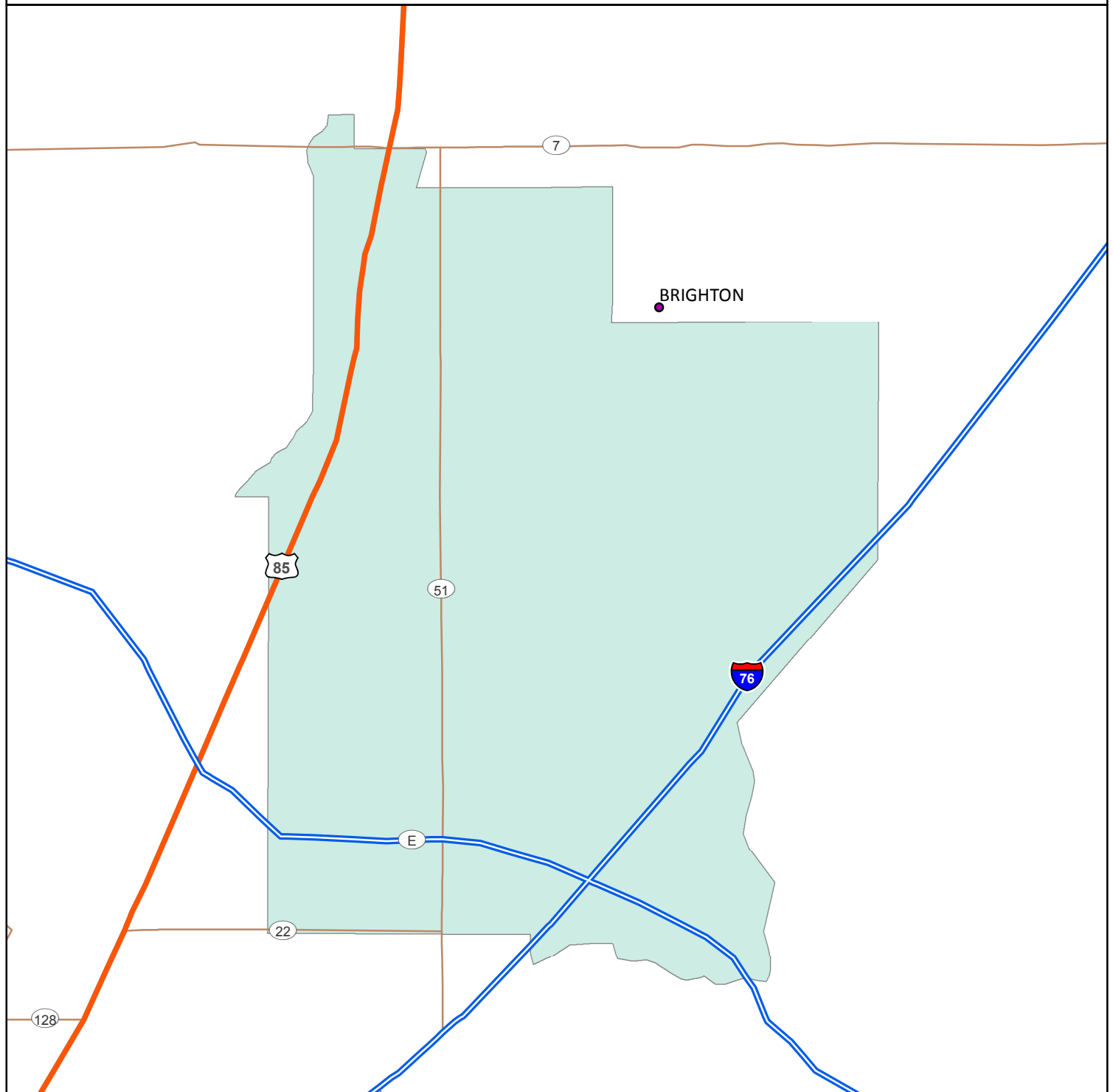
-  Limited Access
-  Highway
-  Major Road
-  Local Road
-  Minor Road
-  Cities
-  Regulation 42 Specified Areas



Figure 29. Specified Area for the City of Brighton Wellfield.

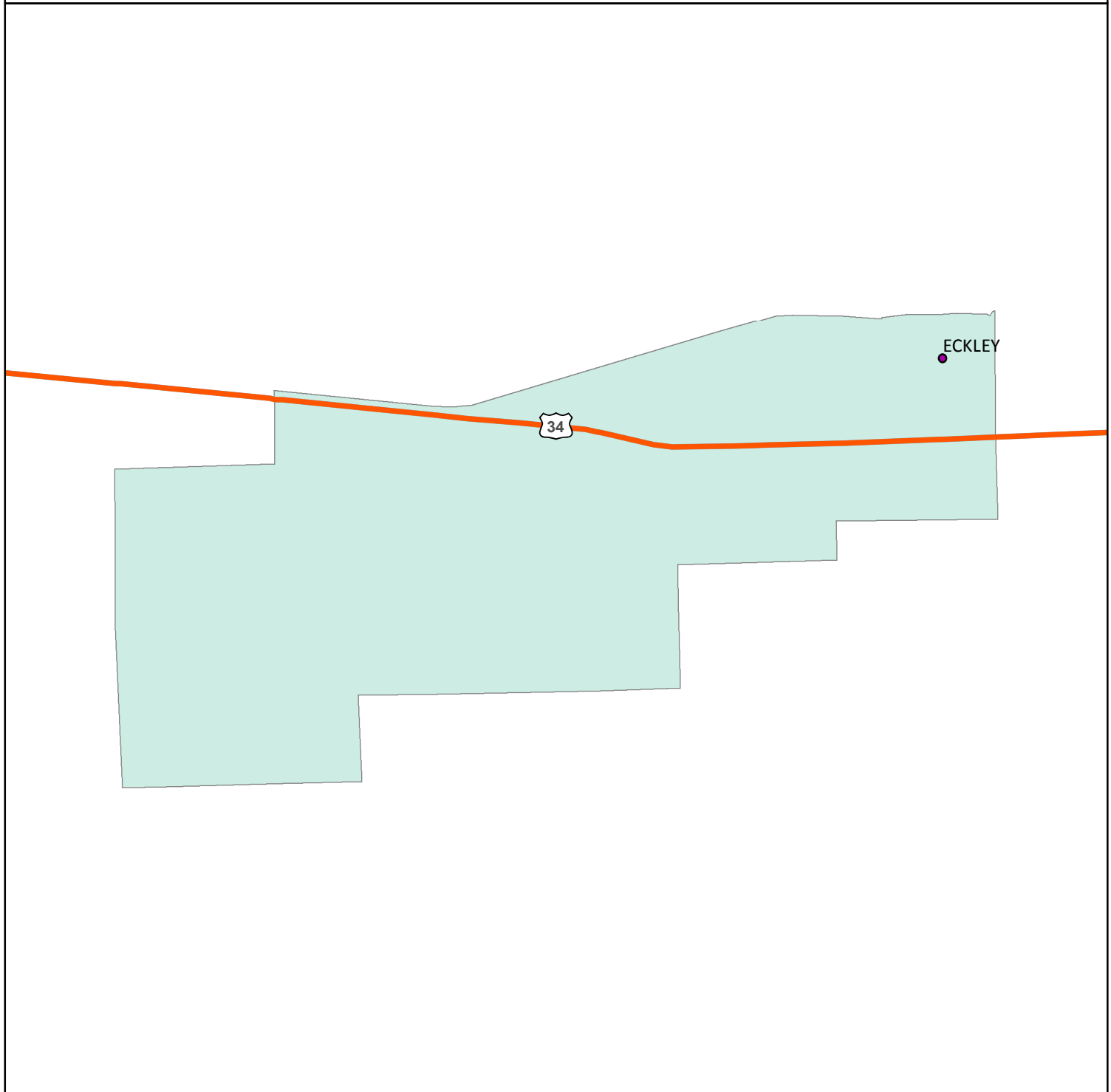


Legend








- Limited Access
- Highway
- Major Road
- Local Road
- Minor Road
- Cities
- Regulation 42 Specified Areas



Figure 30. Specified Area for the Town of Eckley Wellfield.



Legend

- | | | |
|---|--|---|
|  Limited Access |  Local Road |  Cities |
|  Highway |  Minor Road |  Regulation 42 Specified Areas |
|  Major Road | | |

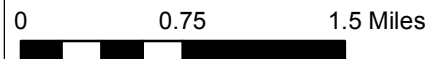
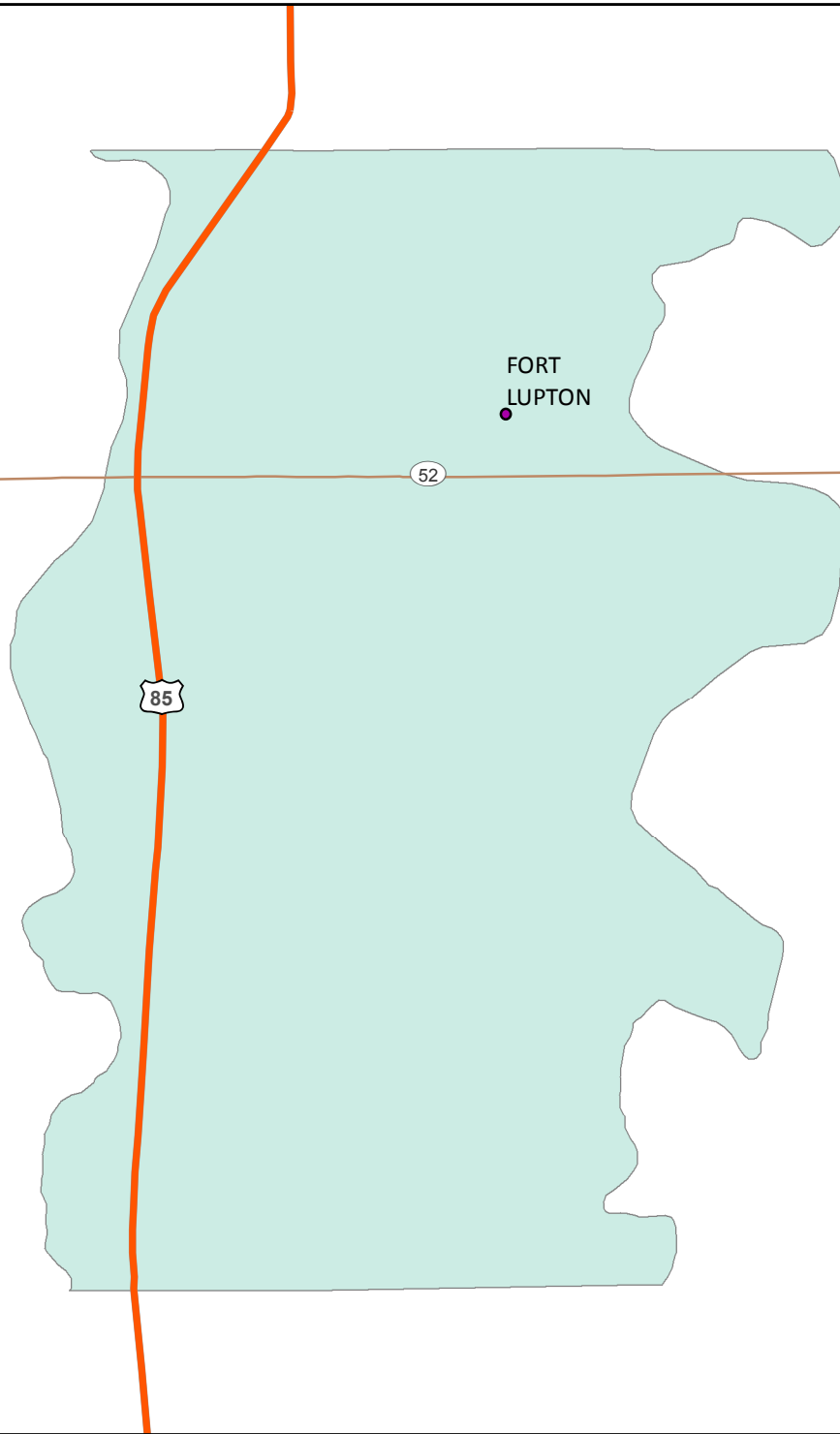









Figure 31. Specified Area for the City of Fort Lupton Wellfield.



Legend

- | | | |
|---|--|---|
|  Limited Access |  Local Road |  Cities |
|  Highway |  Minor Road |  Regulation 42 Specified Areas |
|  Major Road | | |

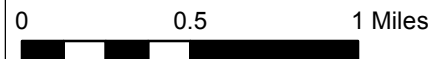
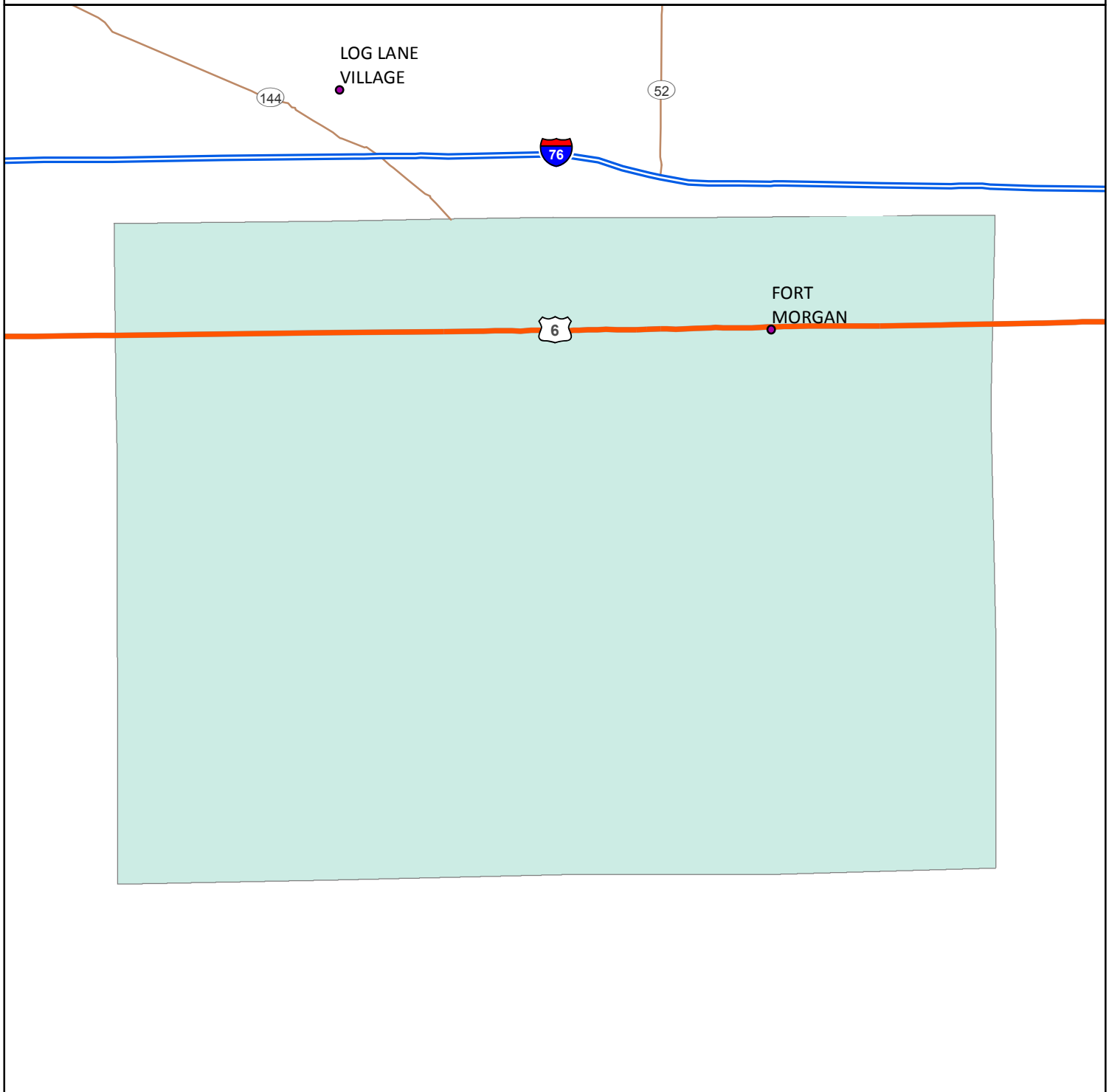









Figure 32. Specified Area for the City of Ft. Morgan Wellfield.



Legend

- | | | |
|---|--|---|
|  Limited Access |  Local Road |  Cities |
|  Highway |  Minor Road |  Regulation 42 Specified Areas |
|  Major Road | | |

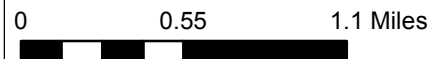
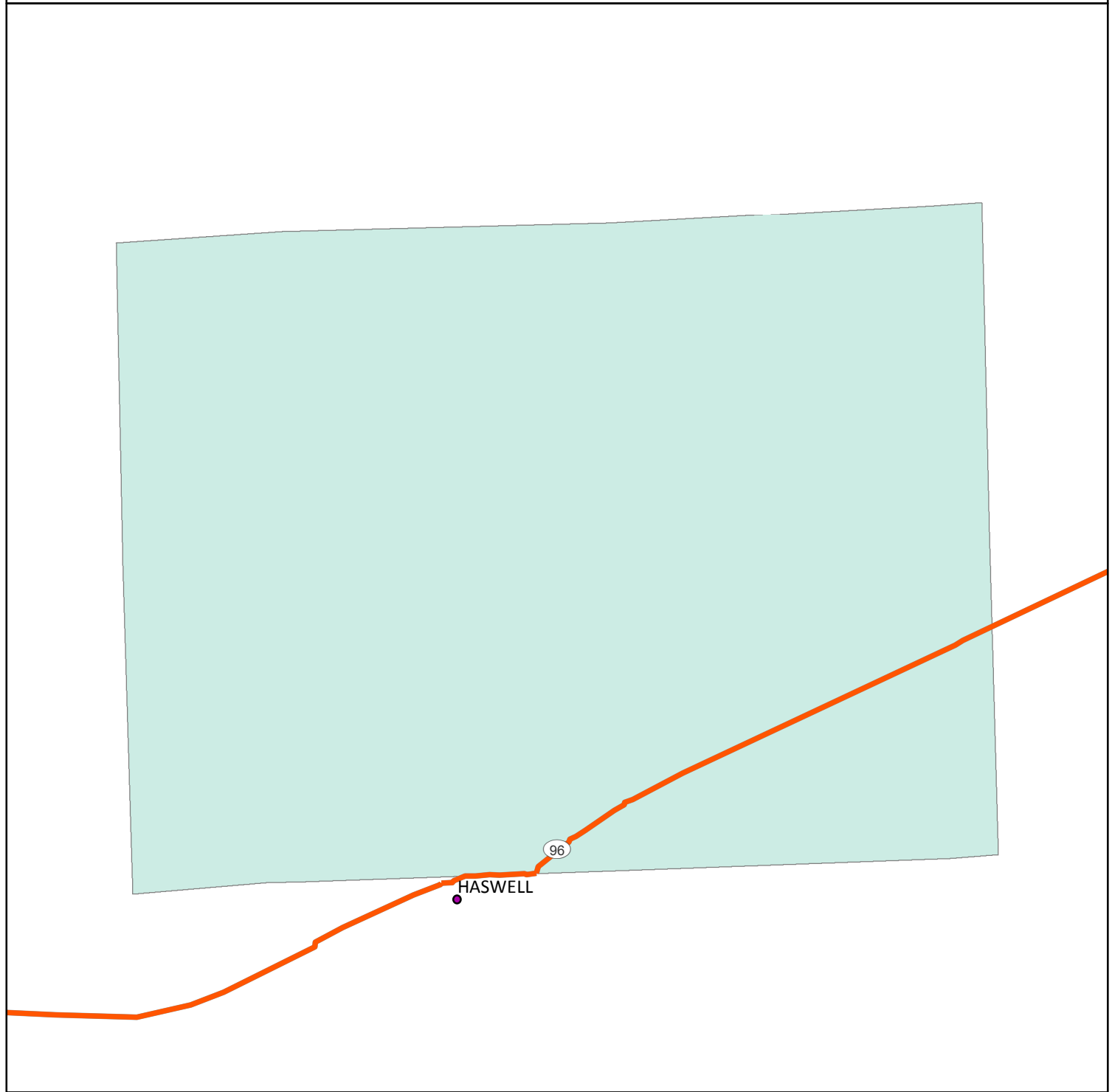









Figure 33. Specified Area for Haswell, Colorado Wellfield.



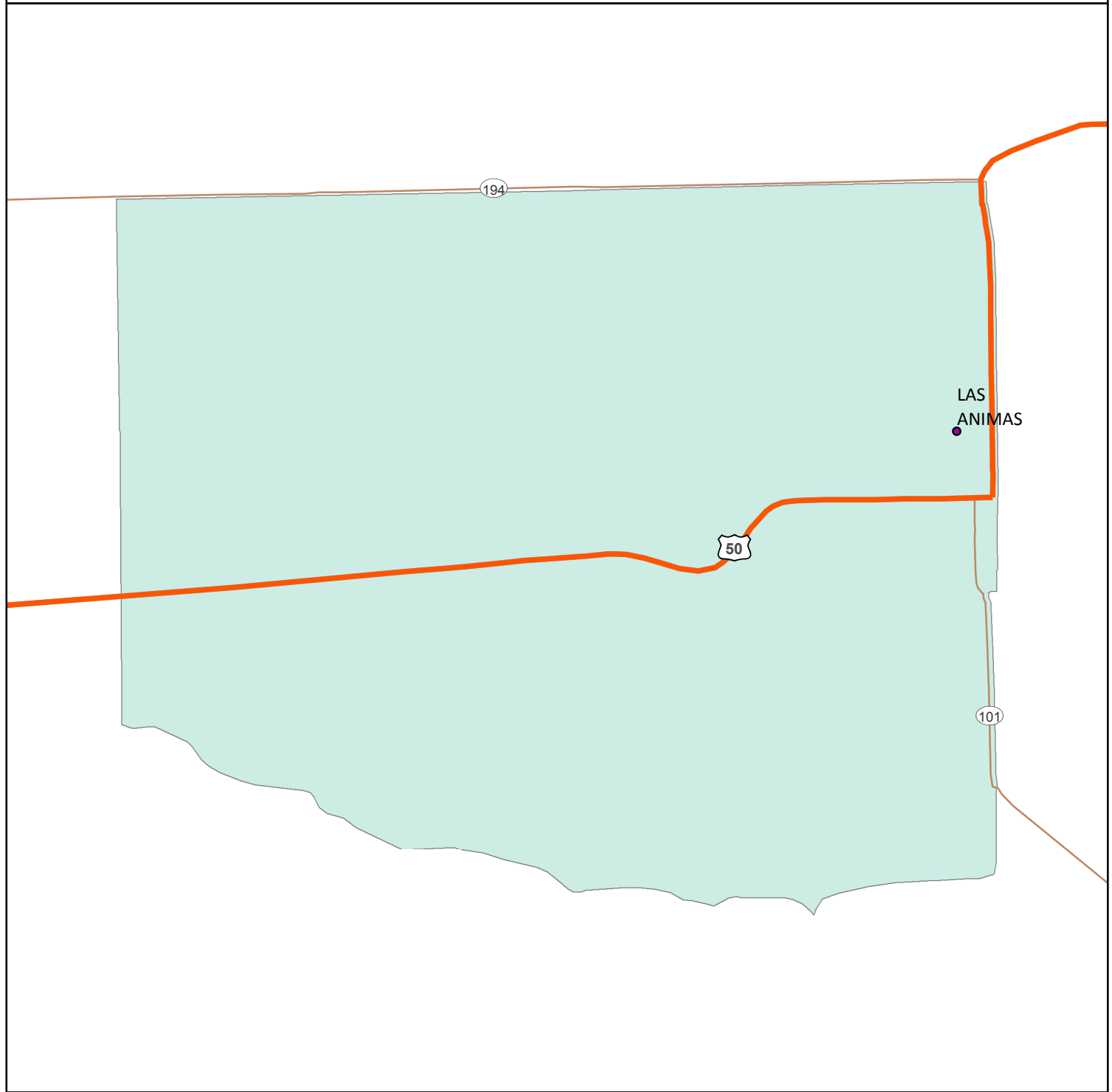
Legend

- | | | |
|---|--|---|
|  Limited Access |  Local Road |  Cities |
|  Highway |  Minor Road |  Regulation 42 Specified Areas |
|  Major Road | | |










0 0.35 0.7 Miles

Figure 34. Specified Area for Las Animas Wellfield.



Legend

-  Limited Access
-  Highway
-  Major Road
-  Local Road
-  Minor Road
-  Cities
-  Regulation 42 Specified Areas

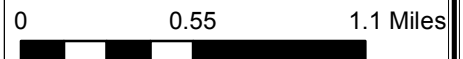
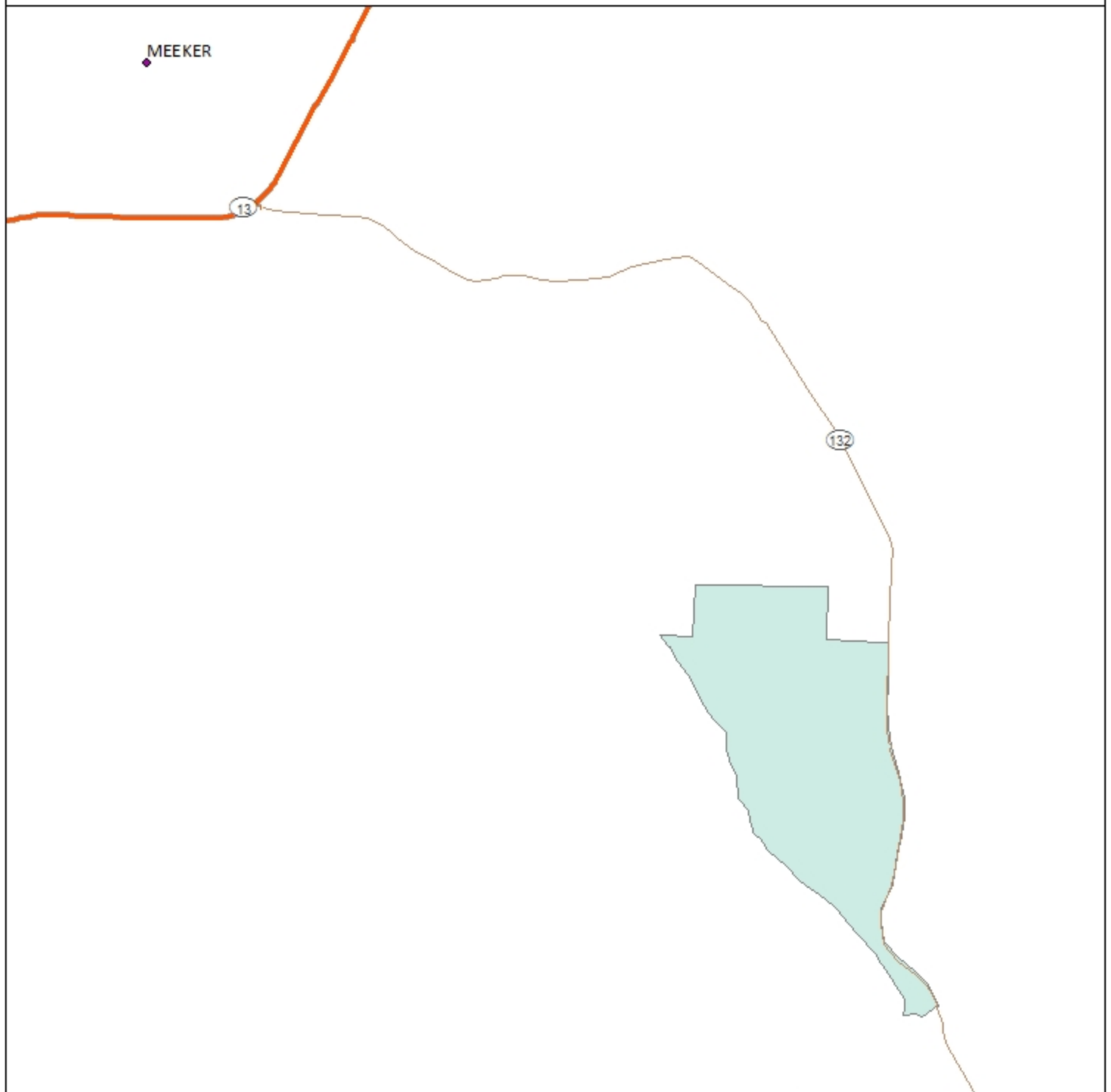









Figure 35. Specified Area for the Town of Meeker Wellfield.



Legend

- | | | |
|---|--|---|
|  Limited Access |  Local Road |  Cities |
|  Highway |  Minor Road |  Regulation 42 Specified Areas |
|  Major Road | | |

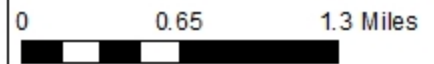
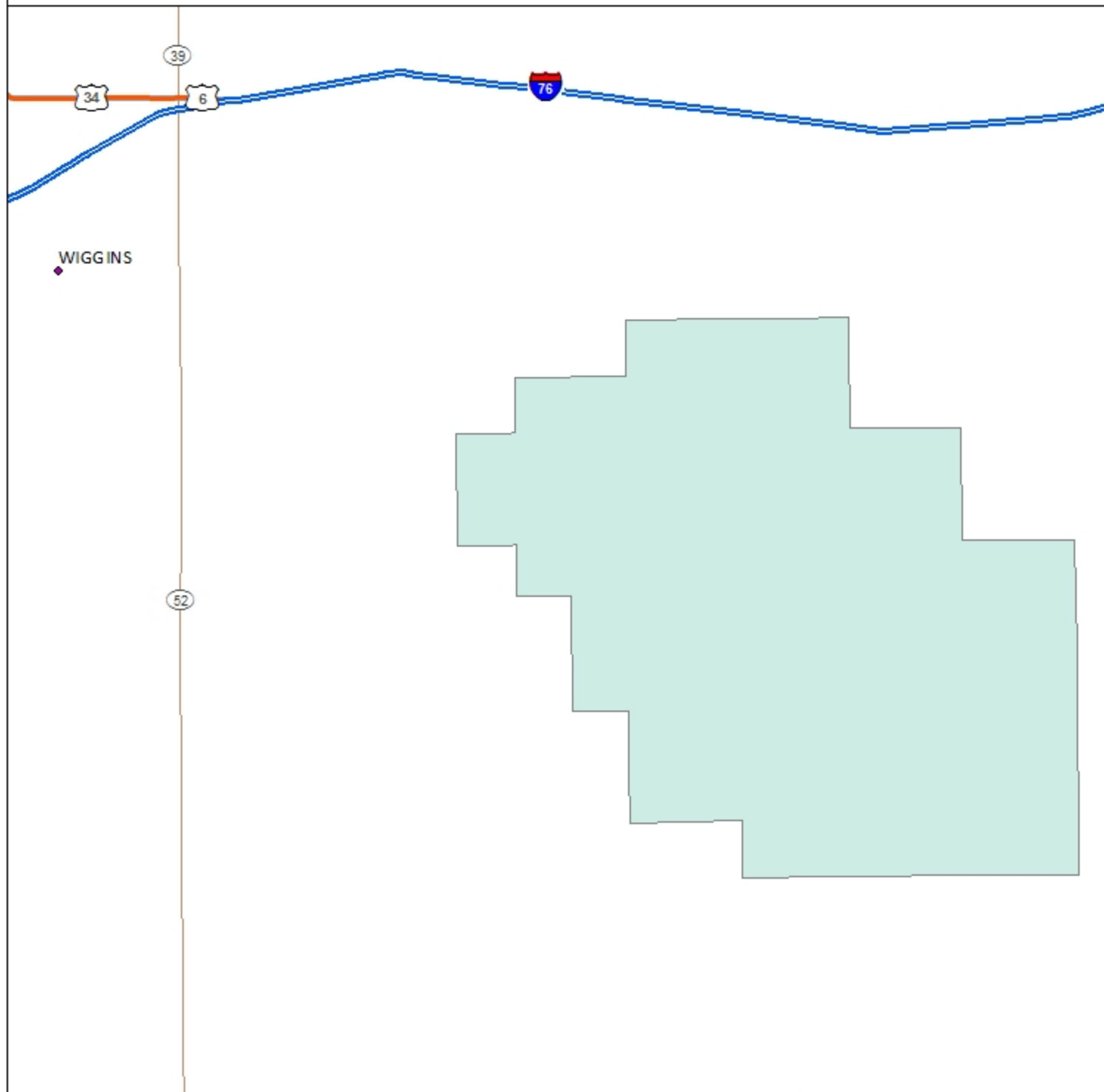


Figure 36. Specified Area for the Morgan County Quality Water District (San Arroyo Creek Basin)



Legend

- | | | |
|----------------|------------|-------------------------------|
| Limited Access | Local Road | Cities |
| Highway | Minor Road | Regulation 42 Specified Areas |
| Major Road | | |

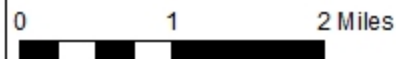
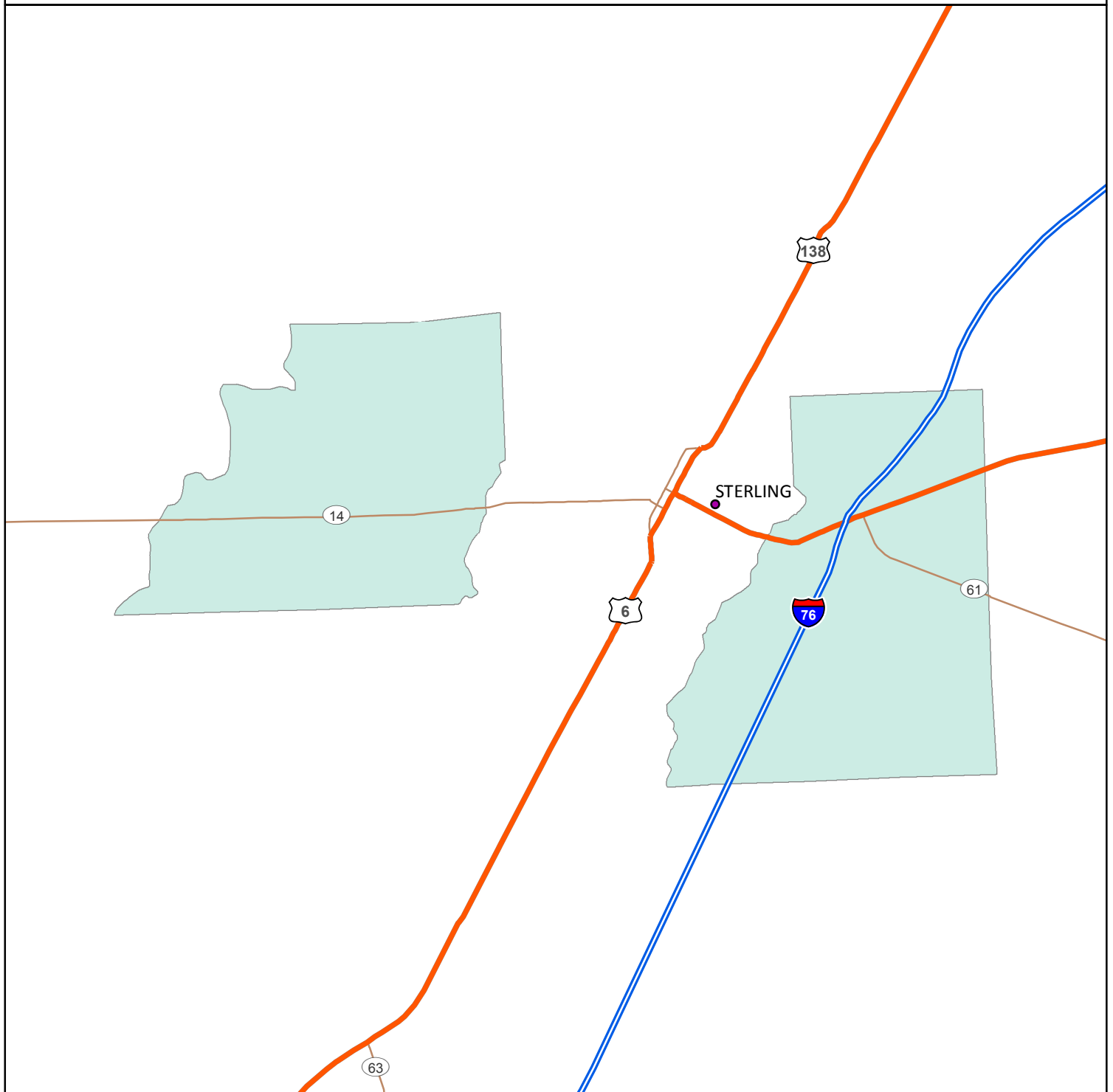


Figure 37. Specified Area for Sterling East and West Wellfield.



Legend








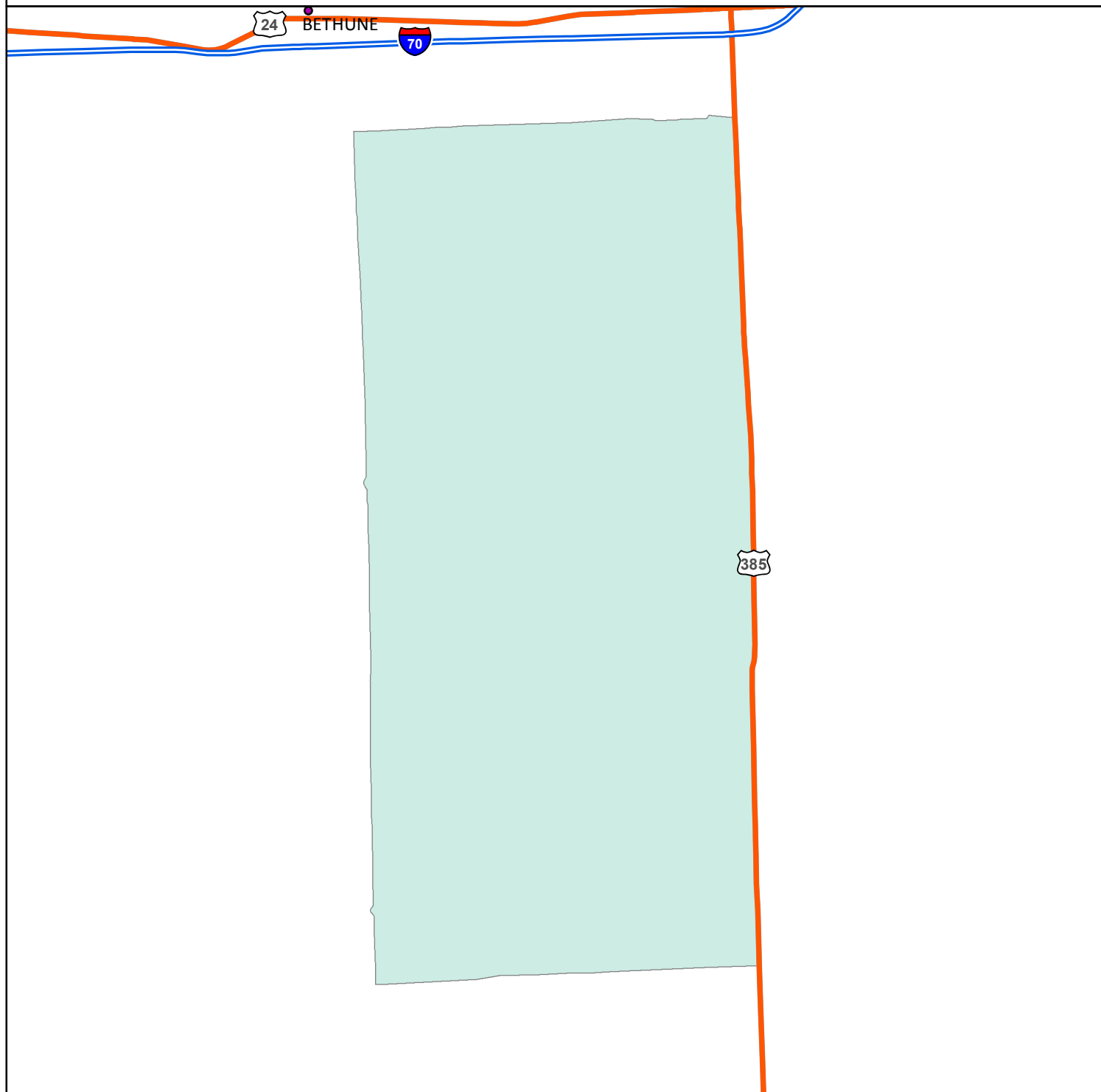
-  Limited Access
-  Highway
-  Major Road
-  Local Road
-  Minor Road
-  Cities
-  Regulation 42 Specified Areas



Figure 38. Southwest Water Protection Area Kit Carson County.



Legend

- Limited Access
- Highway
- Major Road
- Local Road
- Minor Road
- Cities
- Regulation 42 Specified Areas

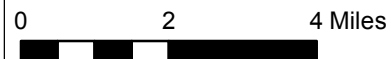
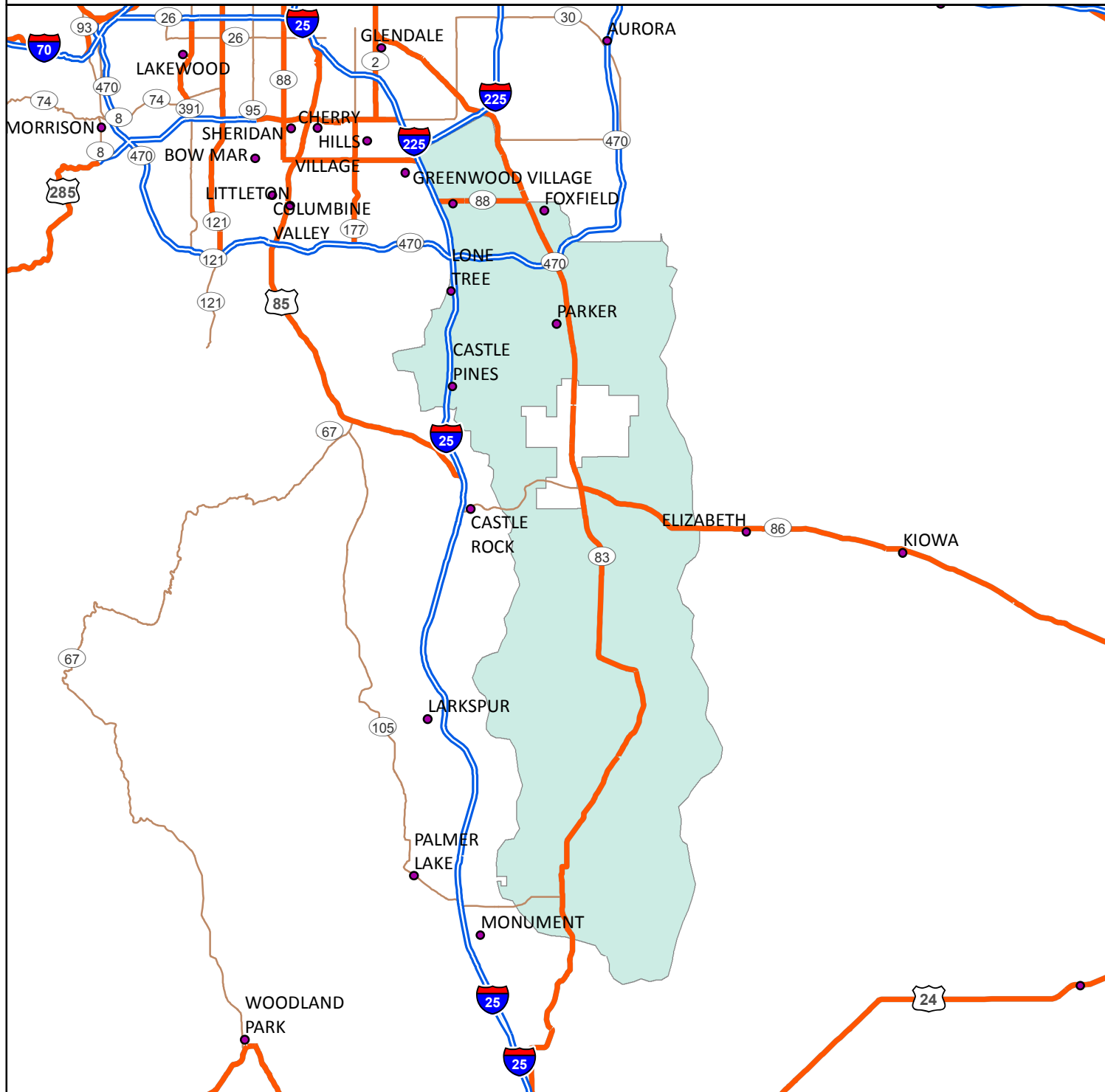


Figure 39. Specified Area for the Upper Cherry Creek and Denver Basin Aquifers.

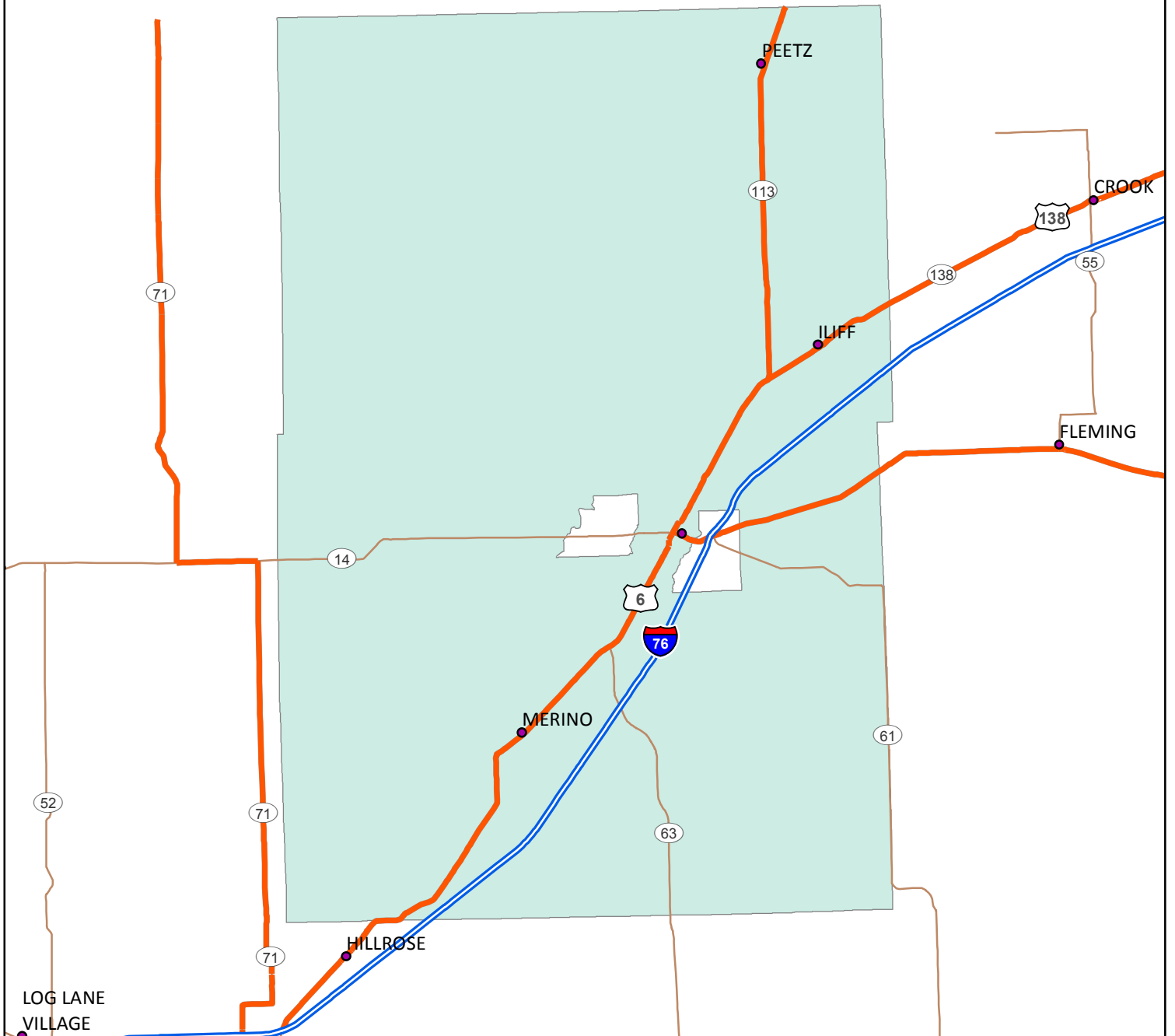


Legend

- | | | | | | |
|--|----------------|--|------------|--|-------------------------------|
| | Limited Access | | Local Road | | Cities |
| | Highway | | Minor Road | | Regulation 42 Specified Areas |
| | Major Road | | | | |



Figure 40. Specified Area for Colorado Oil and Gas Fields Logan, North Washington, and Northeast Morgan Counties.



Legend

- Limited Access
- Highway
- Major Road
- Local Road
- Minor Road
- Regulation 42 Specified Areas
- Cities

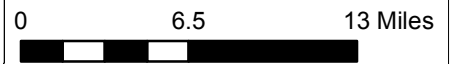
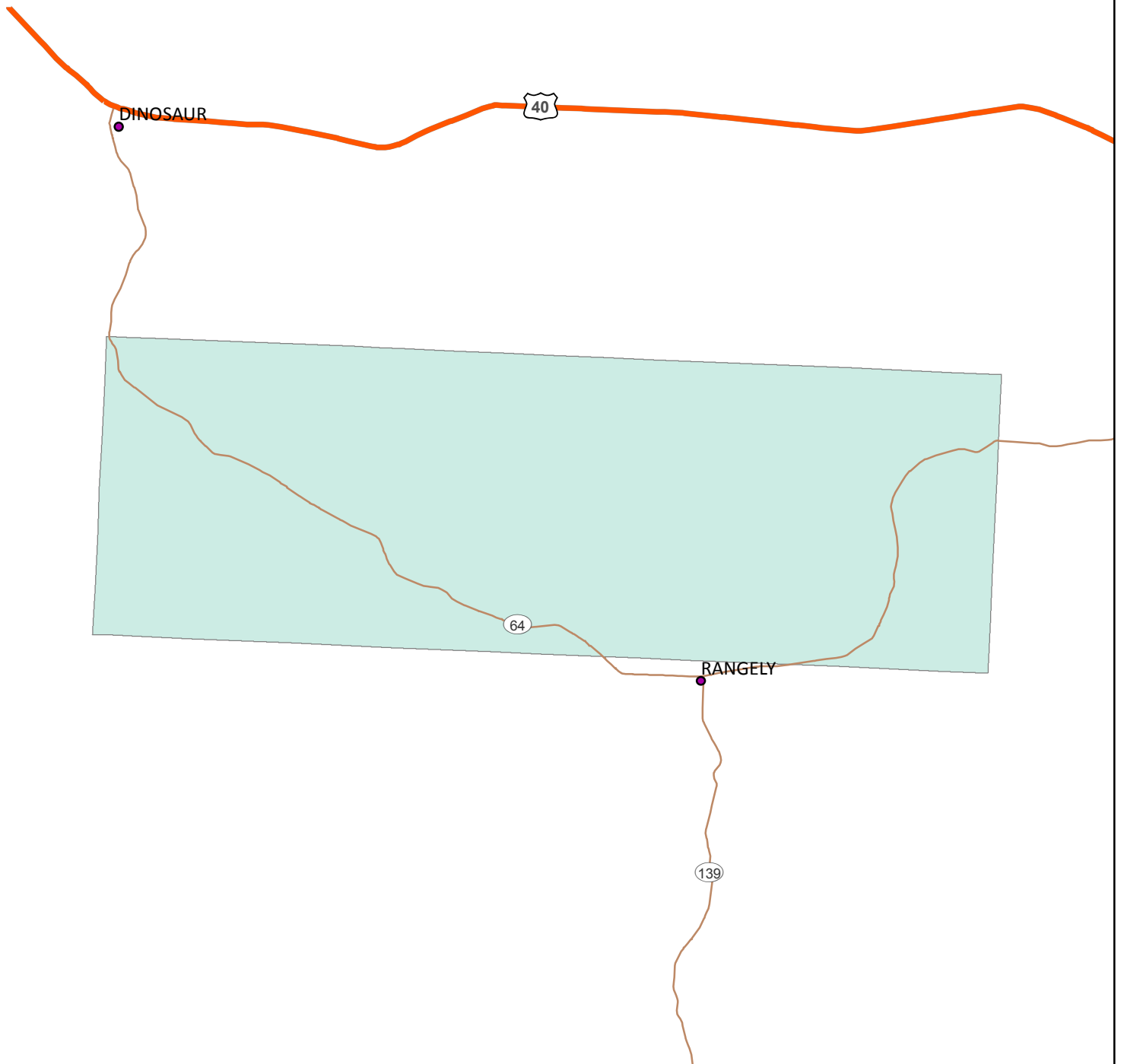


Figure 41. Specified Area for Colorado Oil and Gas Fields, Rio Blanco County.



Legend

- Limited Access
- Highway
- Major Road
- Local Road
- Minor Road
- Cities
- Regulation 42 Specified Areas

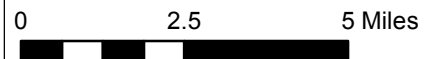
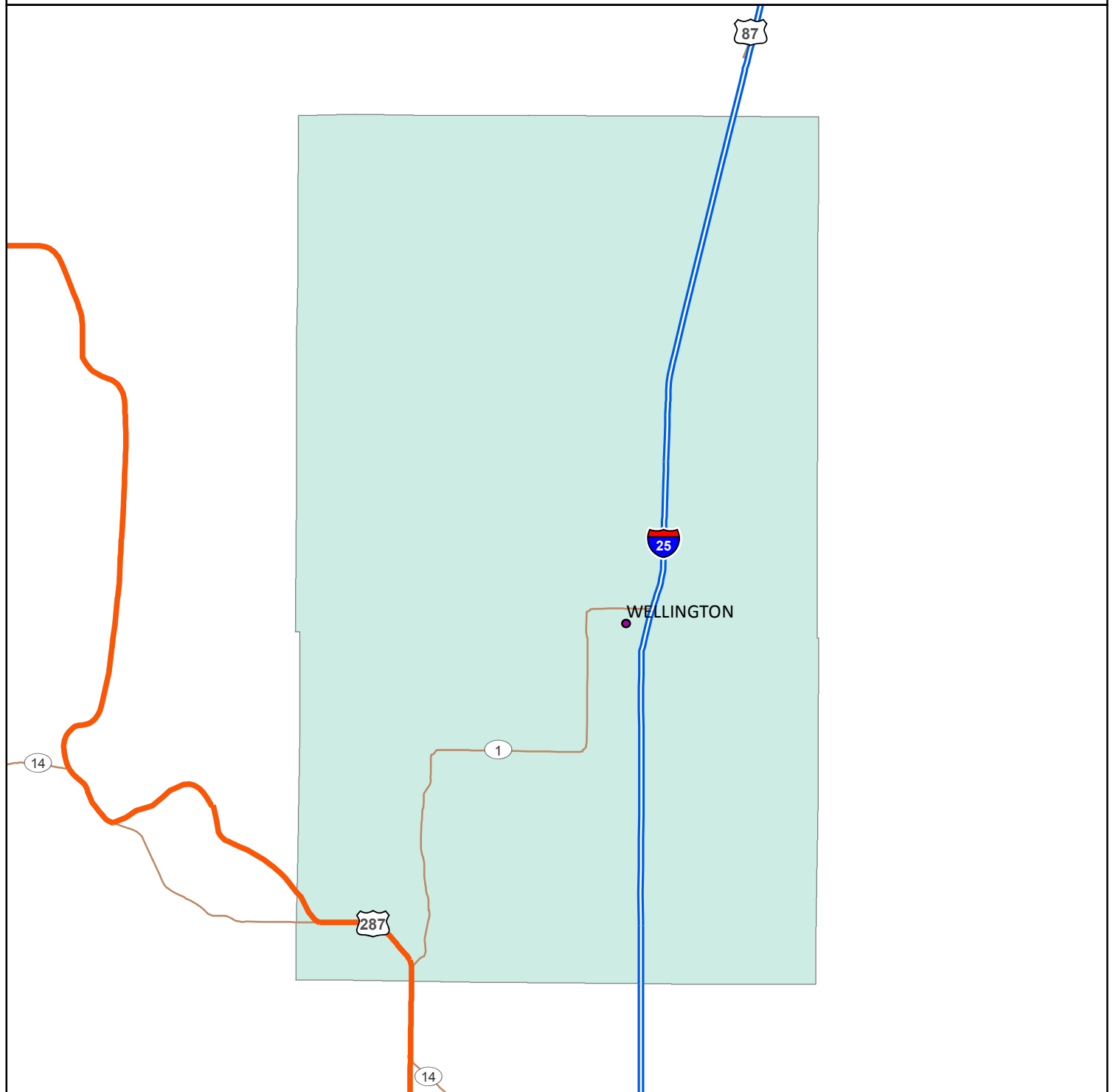


Figure 42. Specified Area for Colorado Oil and Gas Fields, Larimer County.

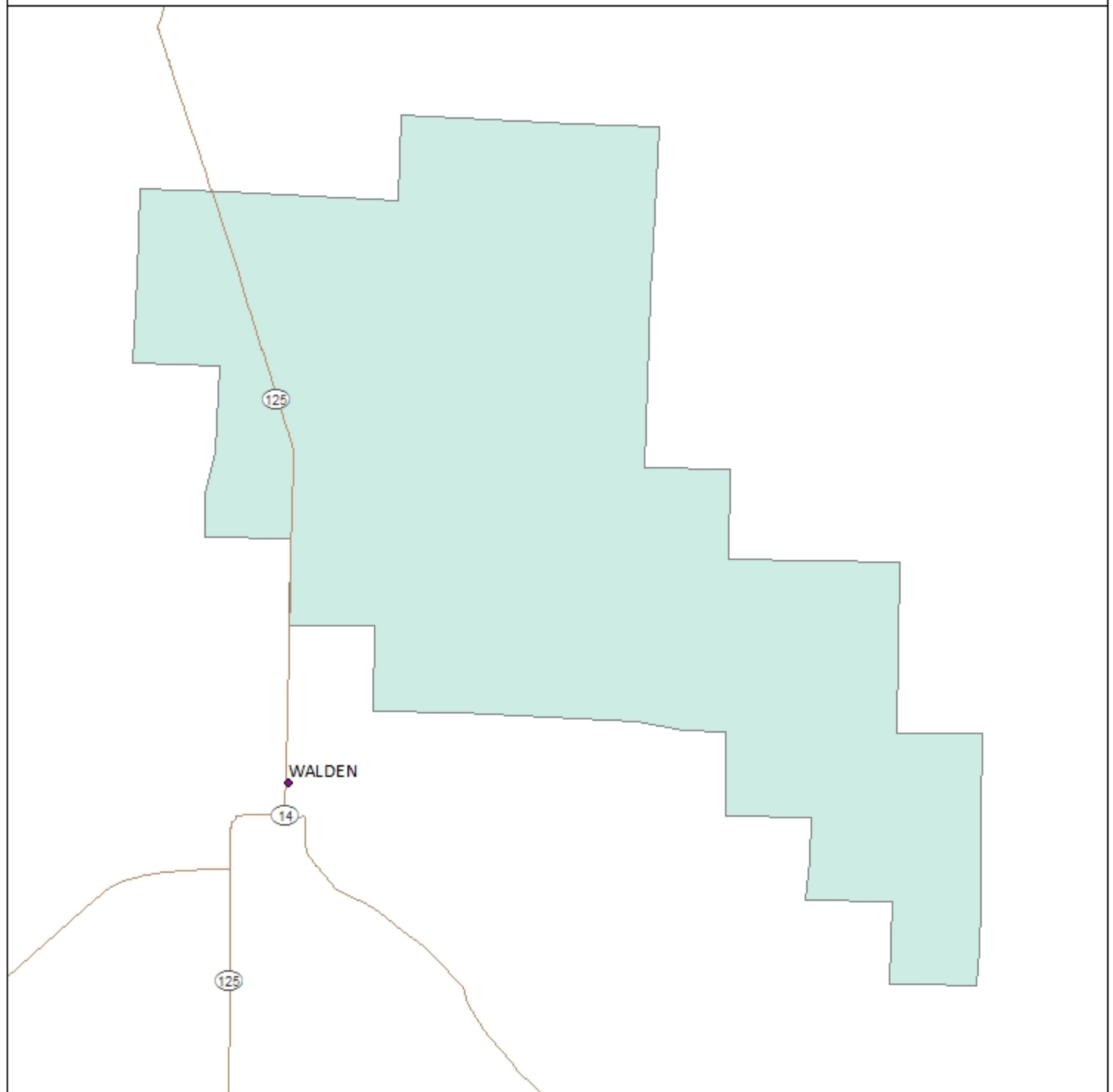


Legend

- Limited Access
- Highway
- Major Road
- Local Road
- Minor Road
- Cities
- Regulation 42 Specified Areas



Figure 43. Specified Area for Colorado Oil and Gas Fields, Jackson County.



Legend

- | | | |
|----------------|------------|-------------------------------|
| Limited Access | Local Road | Cities |
| Highway | Minor Road | Regulation 42 Specified Areas |
| Major Road | | |

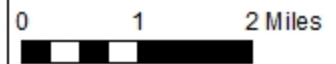
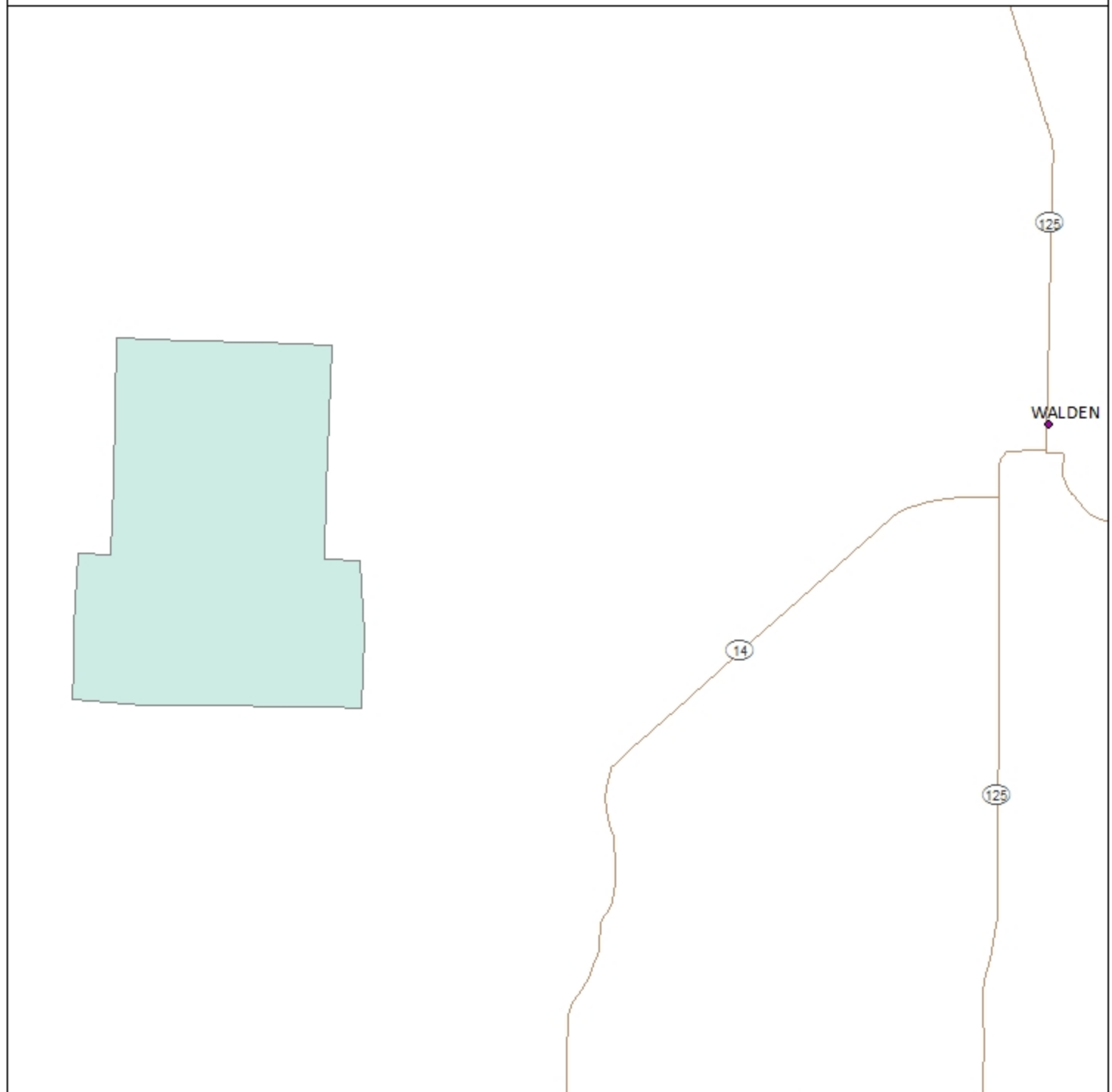









Figure 44. Specified Area for Colorado Oil and Gas Fields, Jackson County.



Legend

- | | | |
|---|--|---|
|  Limited Access |  Local Road |  Cities |
|  Highway |  Minor Road |  Regulation 42 Specified Areas |
|  Major Road | | |

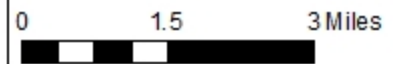
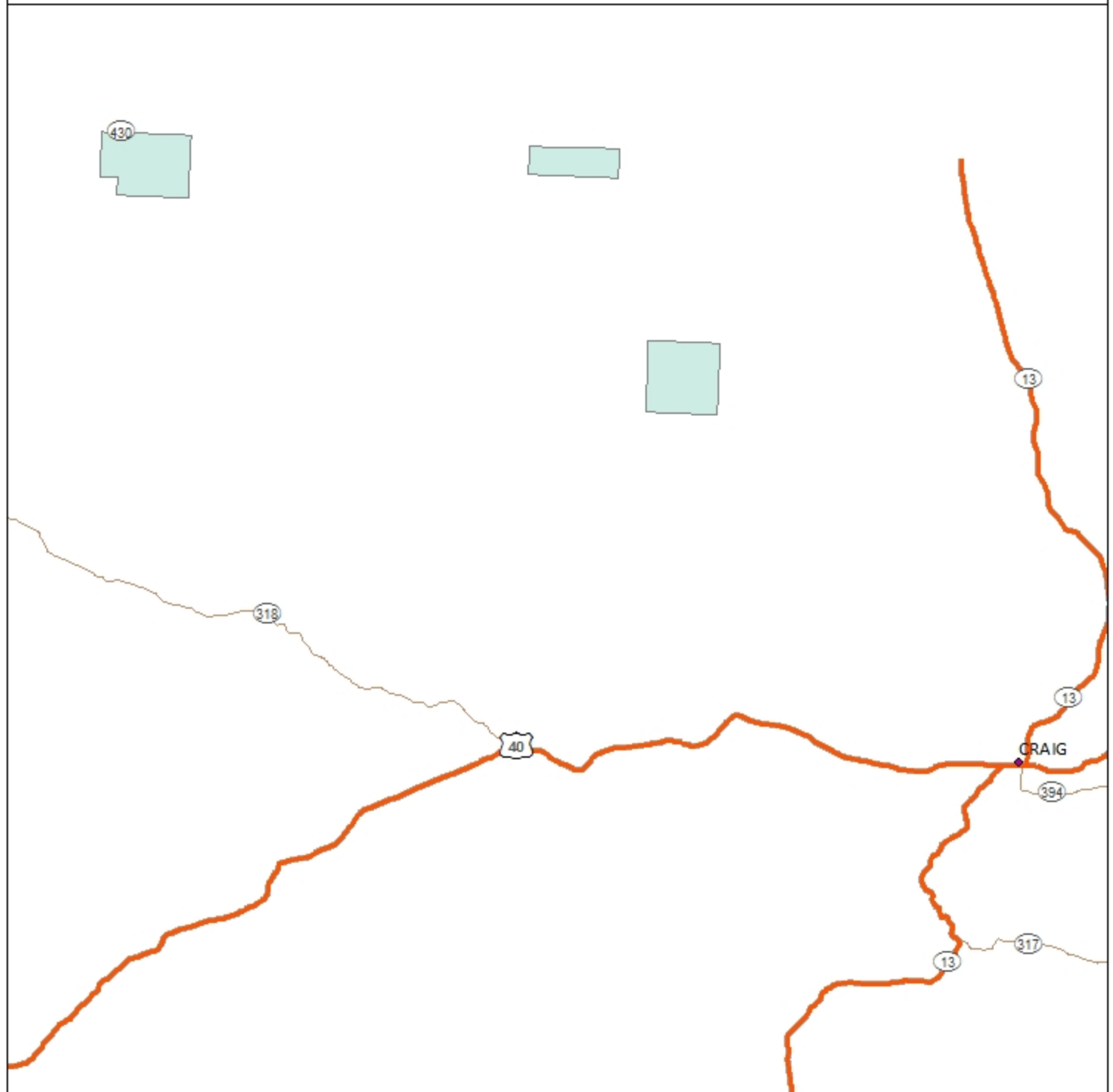


Figure 45. Specified Area for Colorado Oil and Gas Fields, Moffat County.



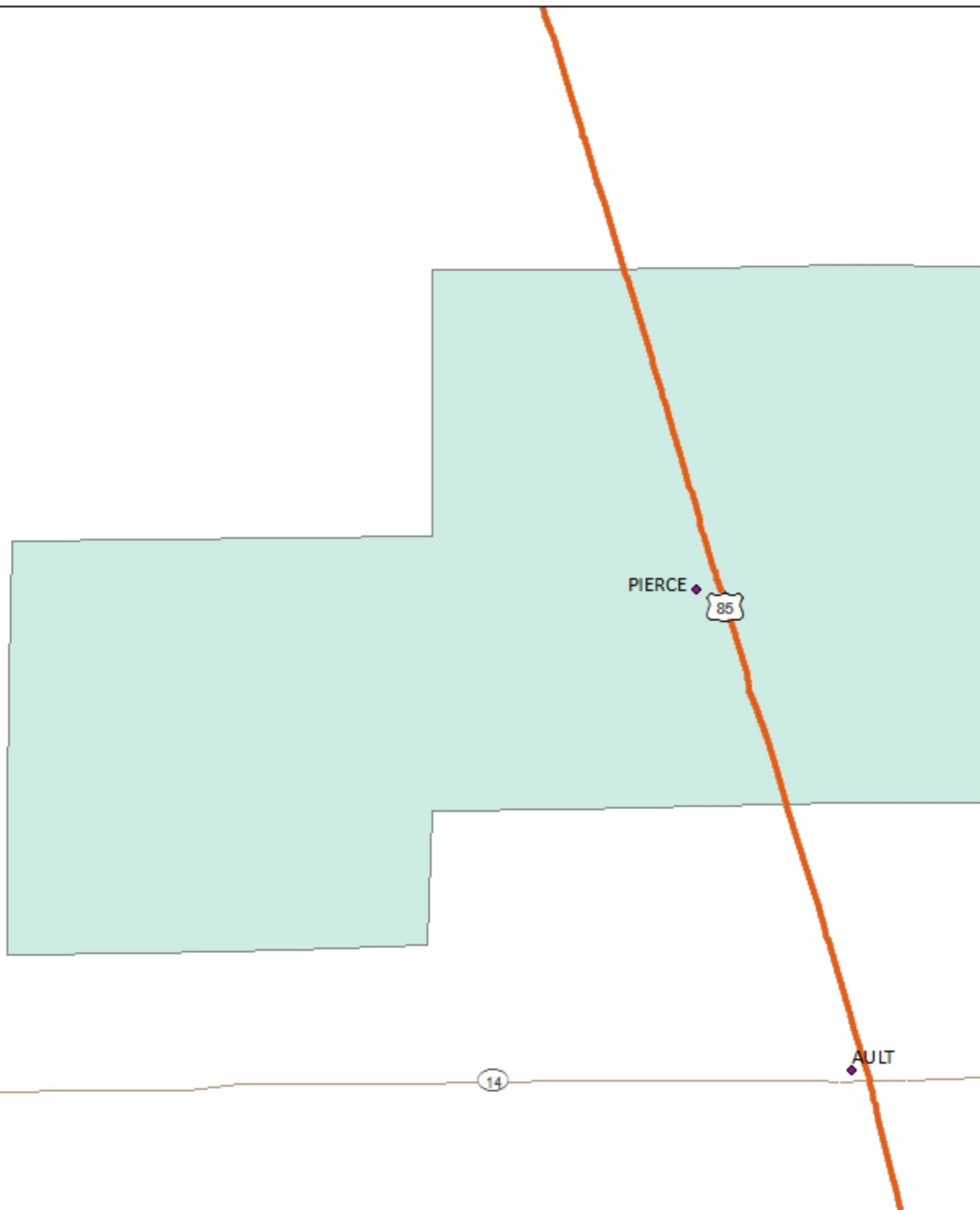
Legend

- | | | |
|----------------|------------|-------------------------------|
| Limited Access | Local Road | Cities |
| Highway | Minor Road | Regulation 42 Specified Areas |
| Major Road | | |



0 6.5 13 Miles

Figure 46. Specified Area for Colorado Oil and Gas Fields, Weld County.



Legend

- Limited Access
- Highway
- Major Road
- Local Road
- Minor Road
- ◆ Cities
- Regulation 42 Specified Areas

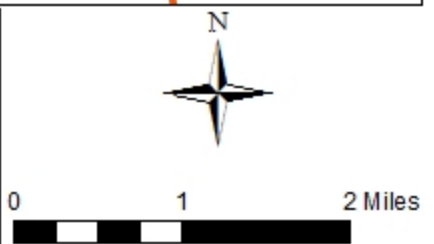
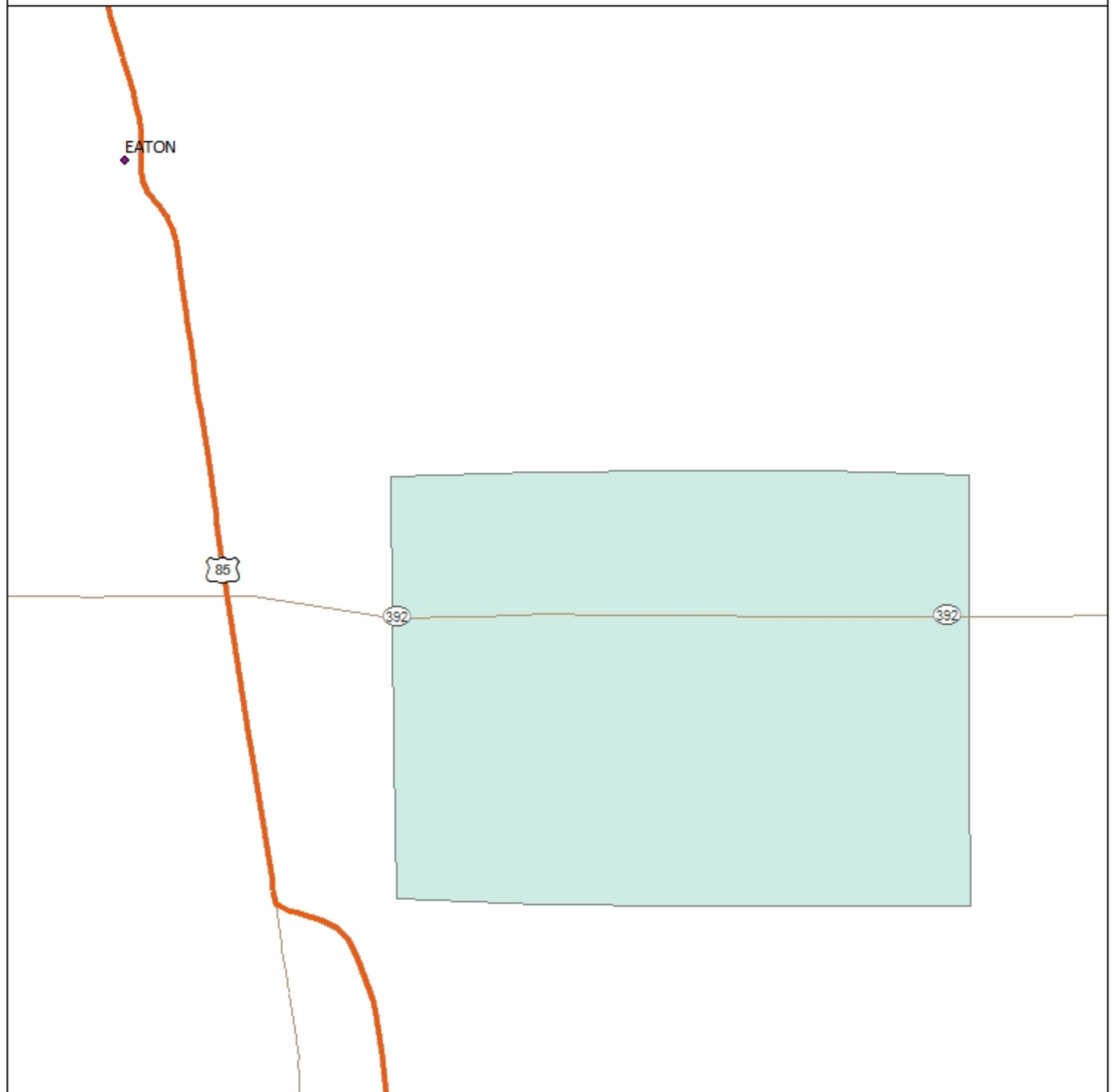


Figure 47. Specified Area for Colorado Oil and Gas Fields, Weld County.



Legend

- | | | |
|----------------|------------|-------------------------------|
| Limited Access | Local Road | Cities |
| Highway | Minor Road | Regulation 42 Specified Areas |
| Major Road | | |

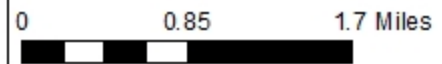
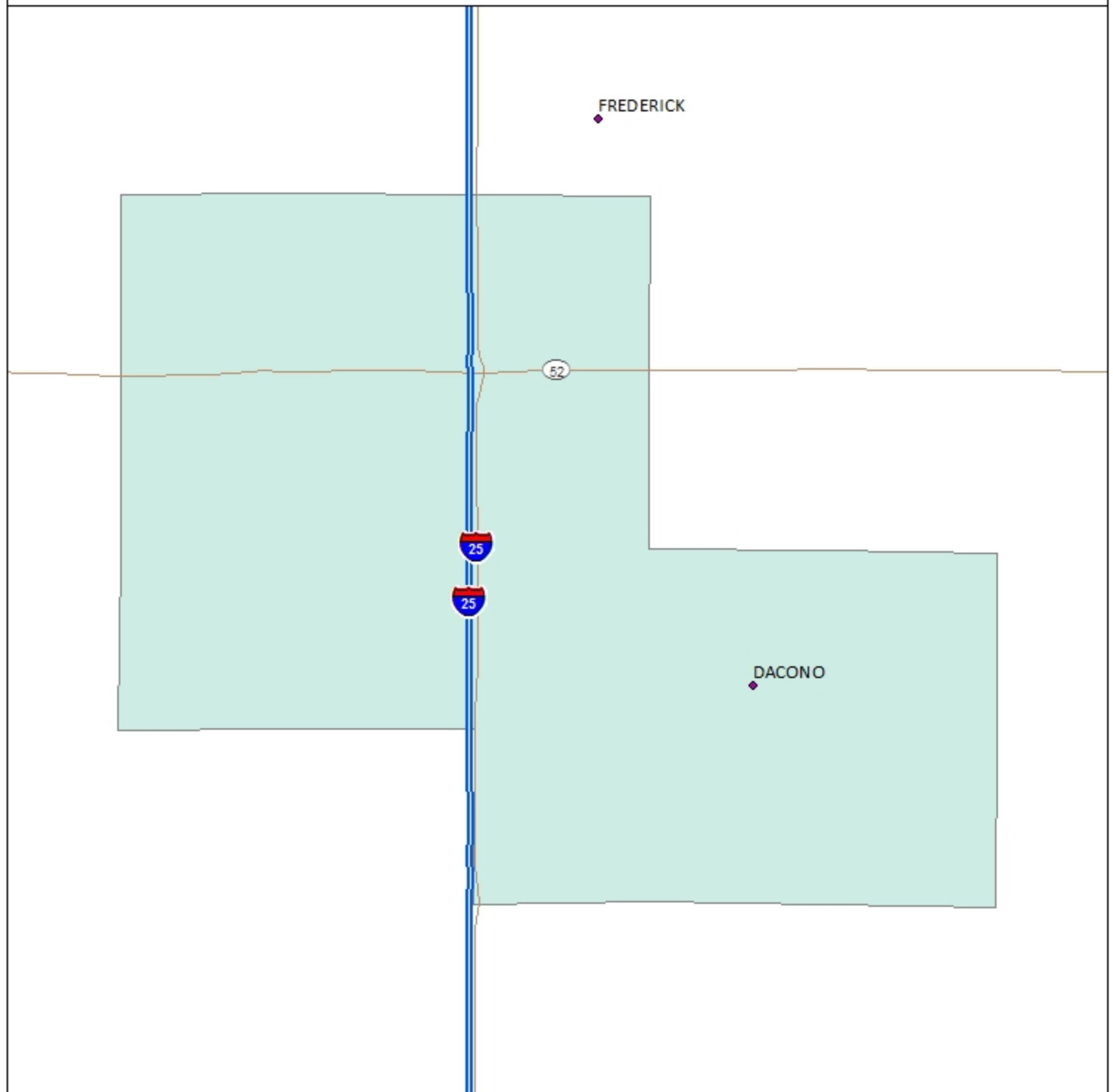









Figure 48. Specified Area for Colorado Oil and Gas Fields, Weld County.



Legend

- | | | |
|---|--|---|
|  Limited Access |  Local Road |  Cities |
|  Highway |  Minor Road |  Regulation 42 Specified Areas |
|  Major Road | | |

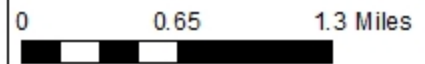
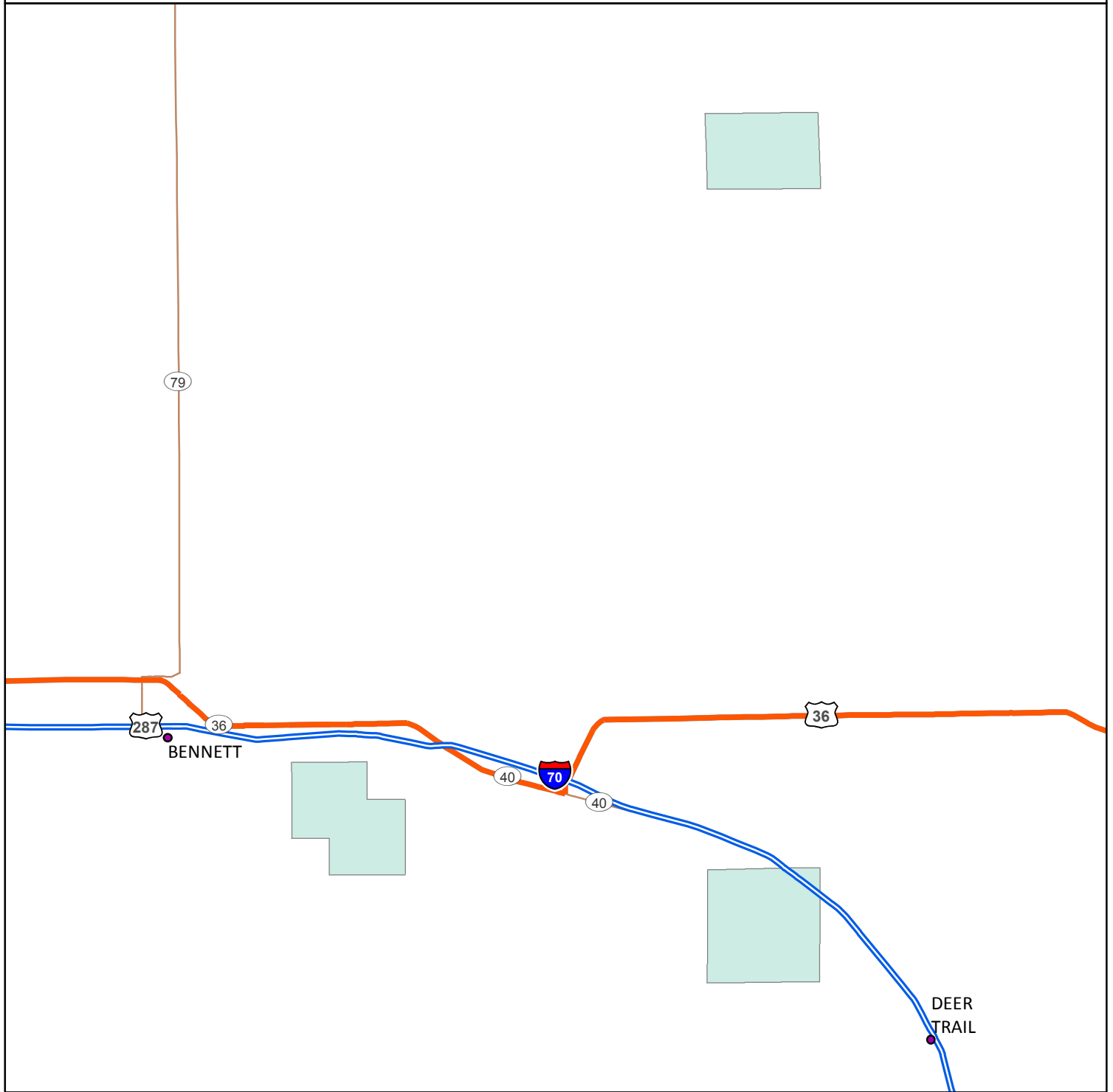


Figure 49A. Specified Area for Colorado Oil and Gas Fields, Arapahoe and Adams County.

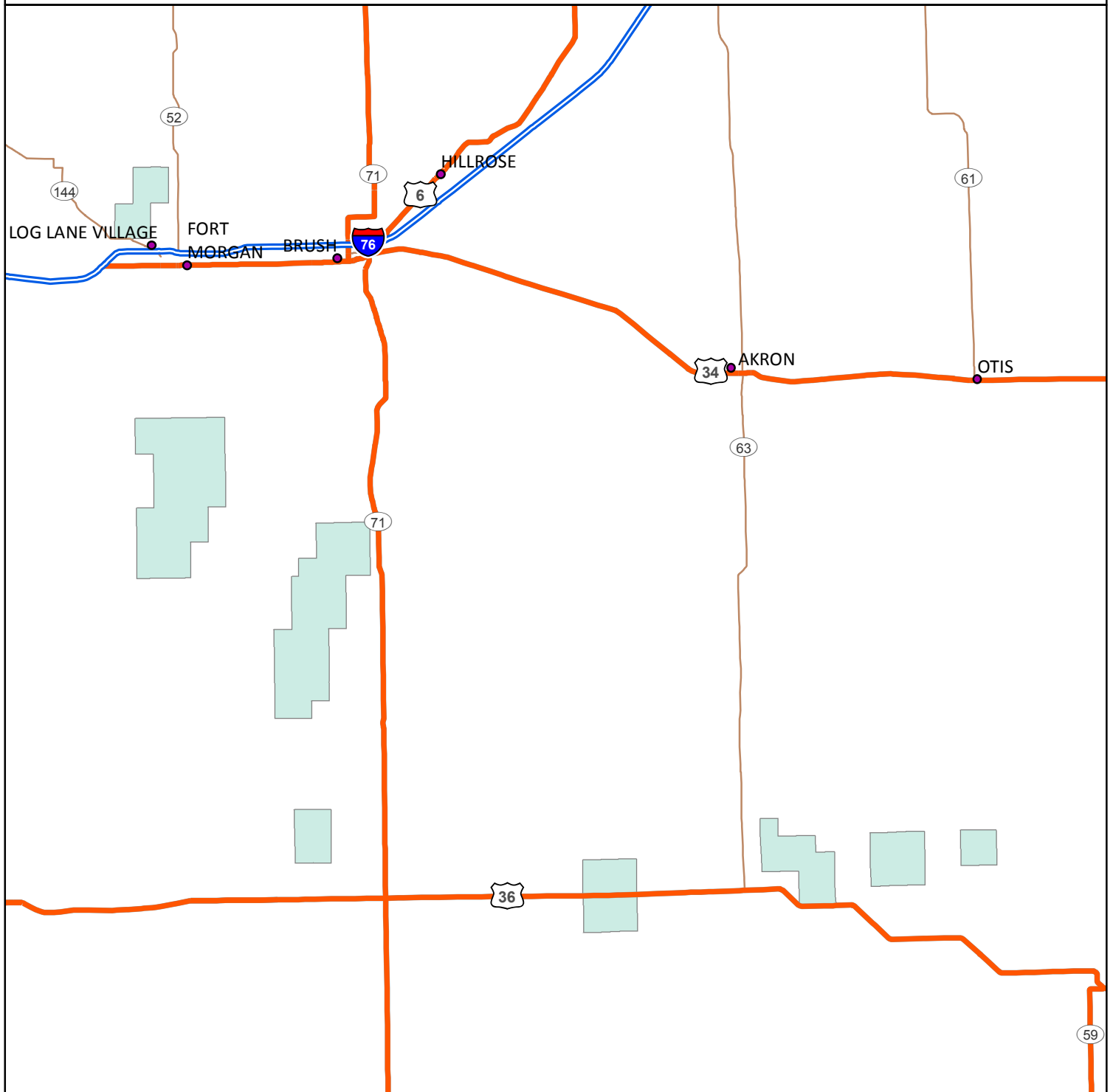


Legend

- Limited Access
- Highway
- Major Road
- Local Road
- Minor Road
- Cities
- Regulation 42 Specified Areas



Figure 49B. Specified Area for Colorado Oil and Gas Fields, Morgan and Washington County.



Legend

- Limited Access
- Highway
- Major Road
- Local Road
- Minor Road
- Cities
- Regulation 42 Specified Areas

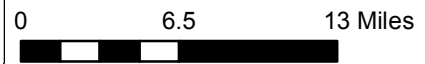
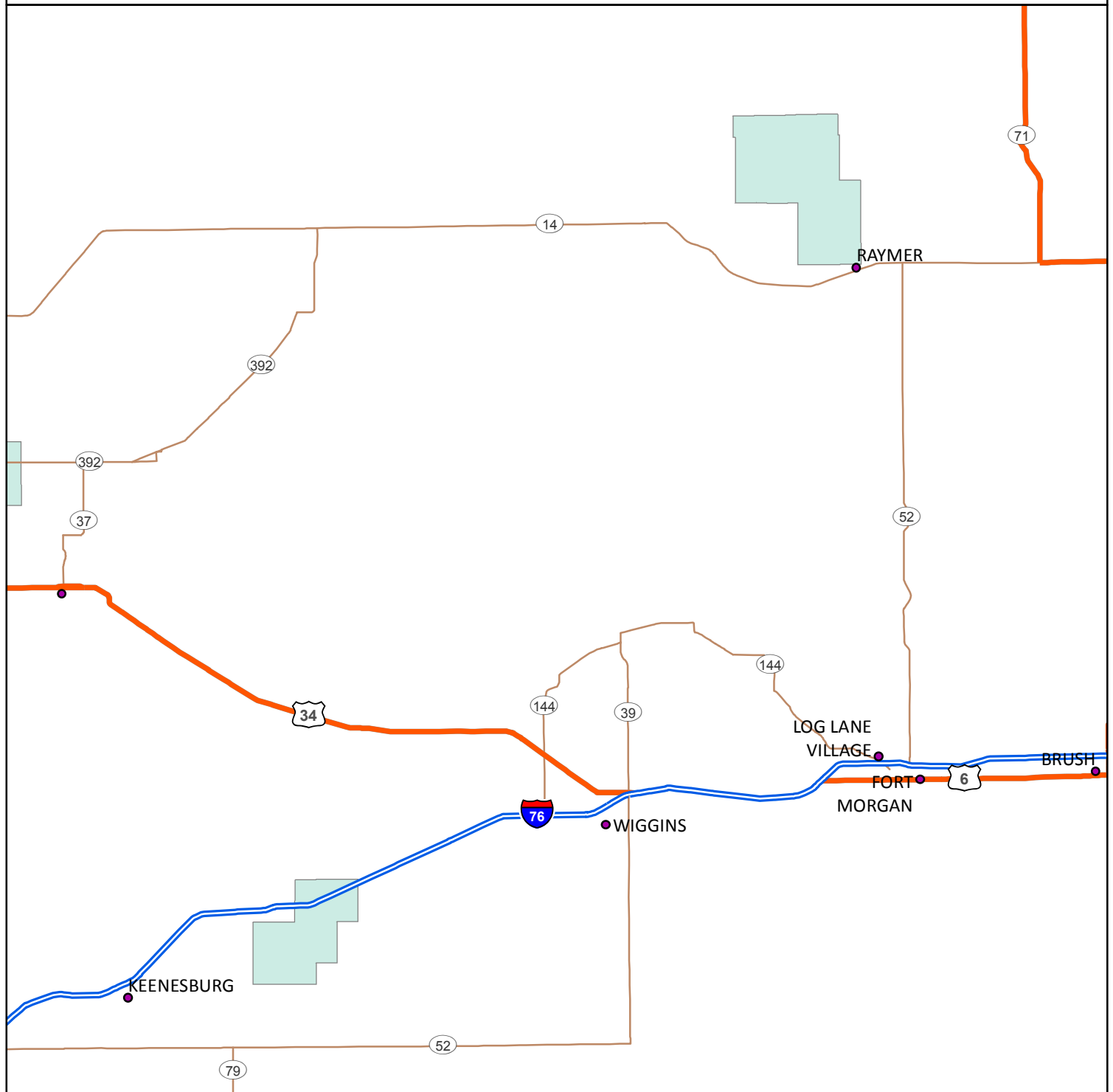


Figure 49C. Specified Area for Colorado Oil and Gas Fields, Weld County.



Legend

- Limited Access
- Highway
- Major Road
- Local Road
- Minor Road
- Cities
- Regulation 42 Specified Areas

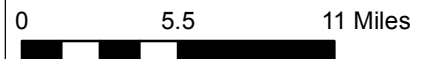
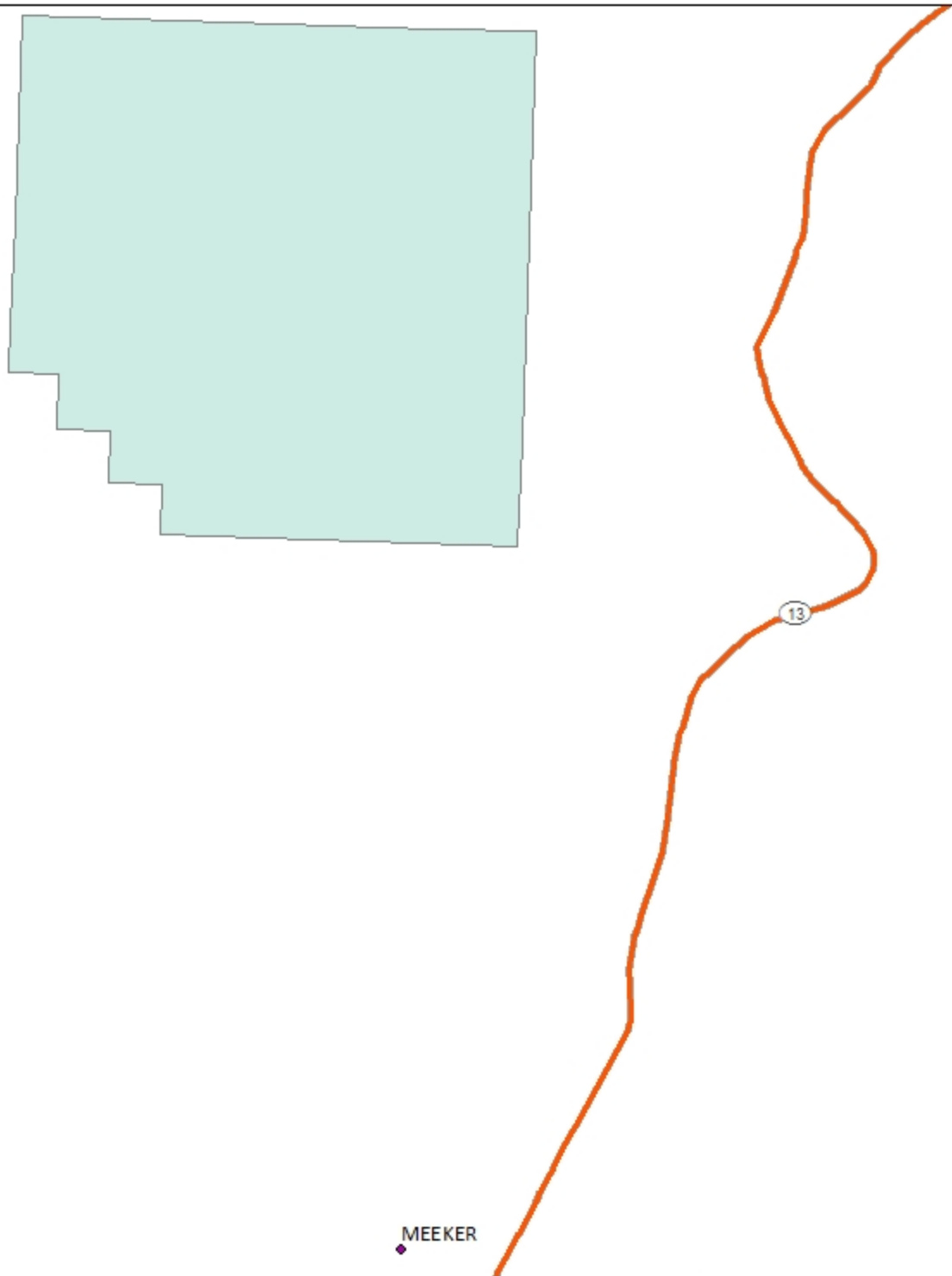


Figure 50. Specified Area for the Wilson Creek Oil and Gas Field, Rio Blanco County, Colorado.



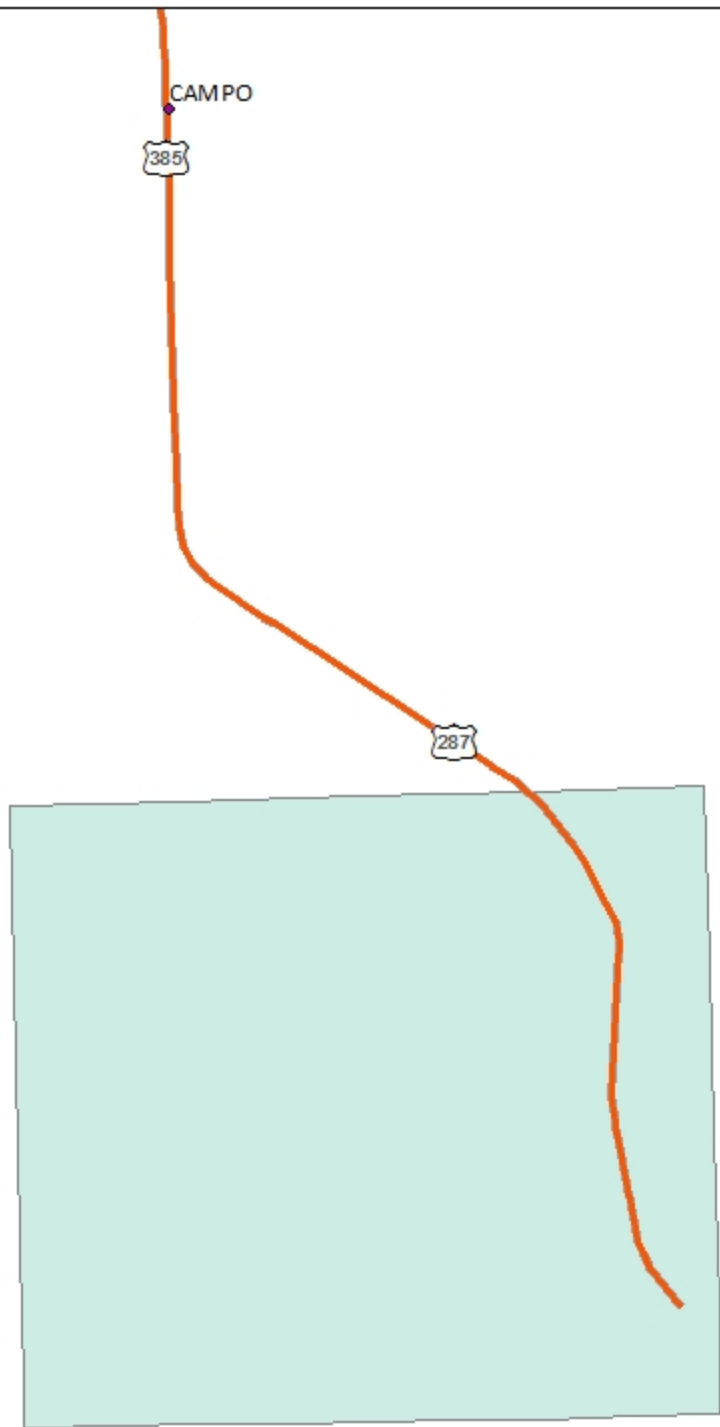
Legend

- | | | |
|----------------|------------|-------------------------------|
| Limited Access | Local Road | Cities |
| Highway | Minor Road | Regulation 42 Specified Areas |
| Major Road | | |



0 1 2 Miles

Figure 51. Specified Area for the Campo Oil and Gas Field, Baca County, Colorado.



Legend

- | | | |
|----------------|------------|-------------------------------|
| Limited Access | Local Road | Cities |
| Highway | Minor Road | Regulation 42 Specified Areas |
| Major Road | | |

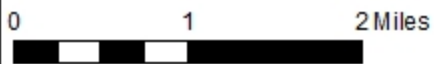
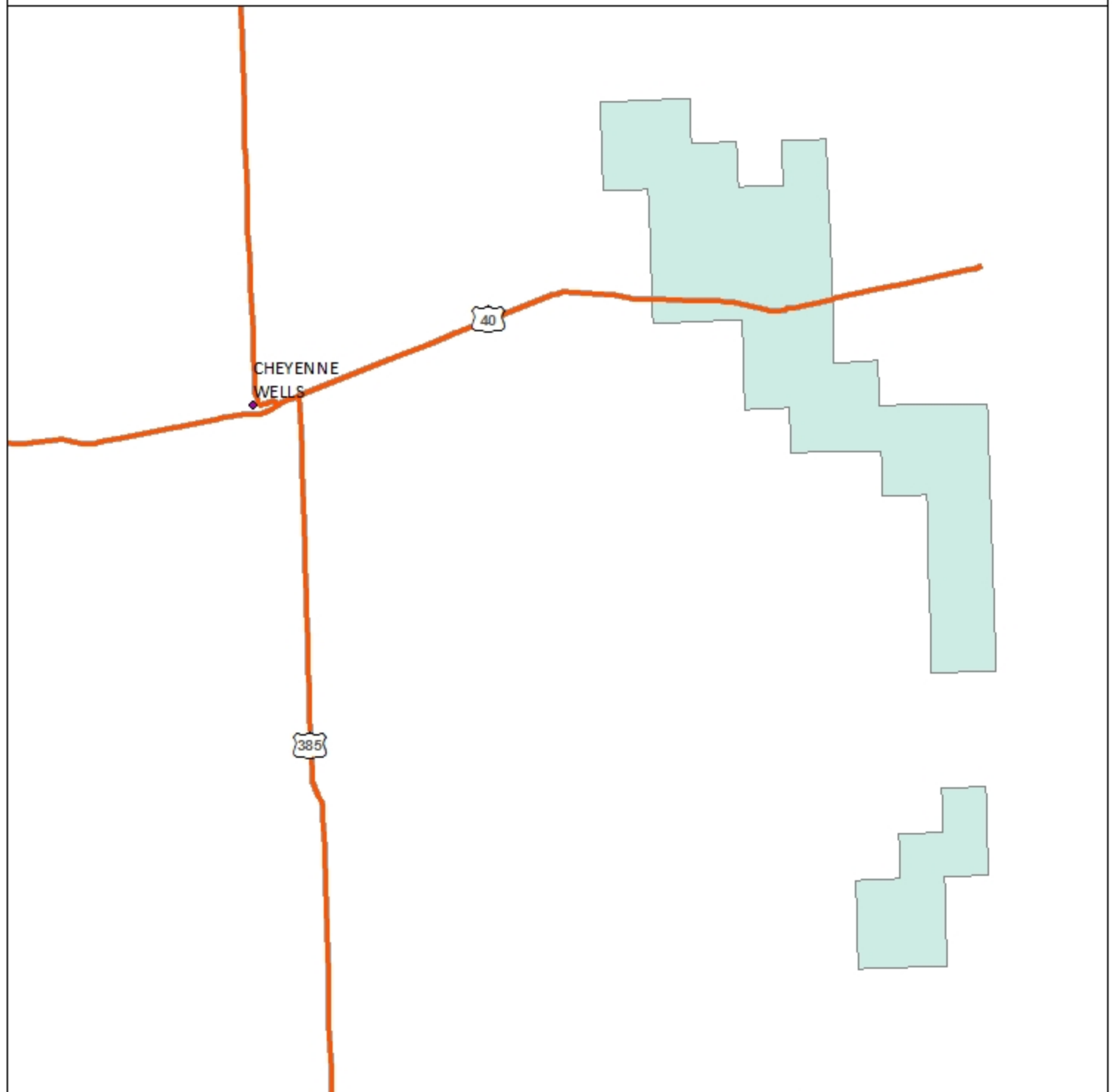


Figure 52A. Specified Area for the Arapahoe Northwest, Arapahoe, Frontera, and Second Wind Fields Cheyenne County, Colorado.



Legend

- | | | |
|----------------|------------|-------------------------------|
| Limited Access | Local Road | Cities |
| Highway | Minor Road | Regulation 42 Specified Areas |
| Major Road | | |

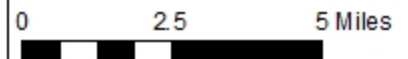
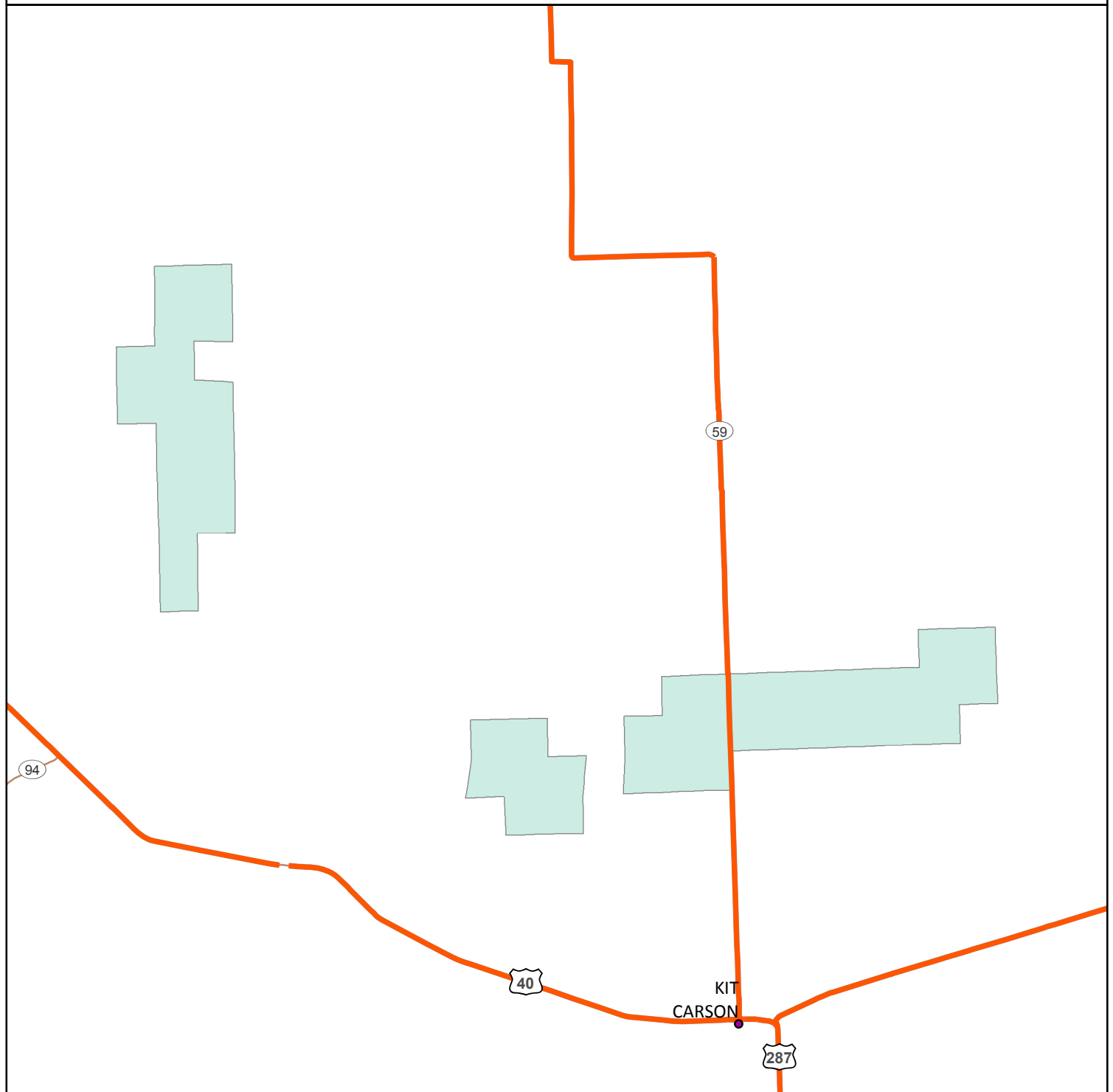


Figure 52B. Specified Area for the Speaker, Bledsoe Ranch, Sorrento, and Mount Pearl Fields Kit Carson and Cheyenne Counties, Colorado.

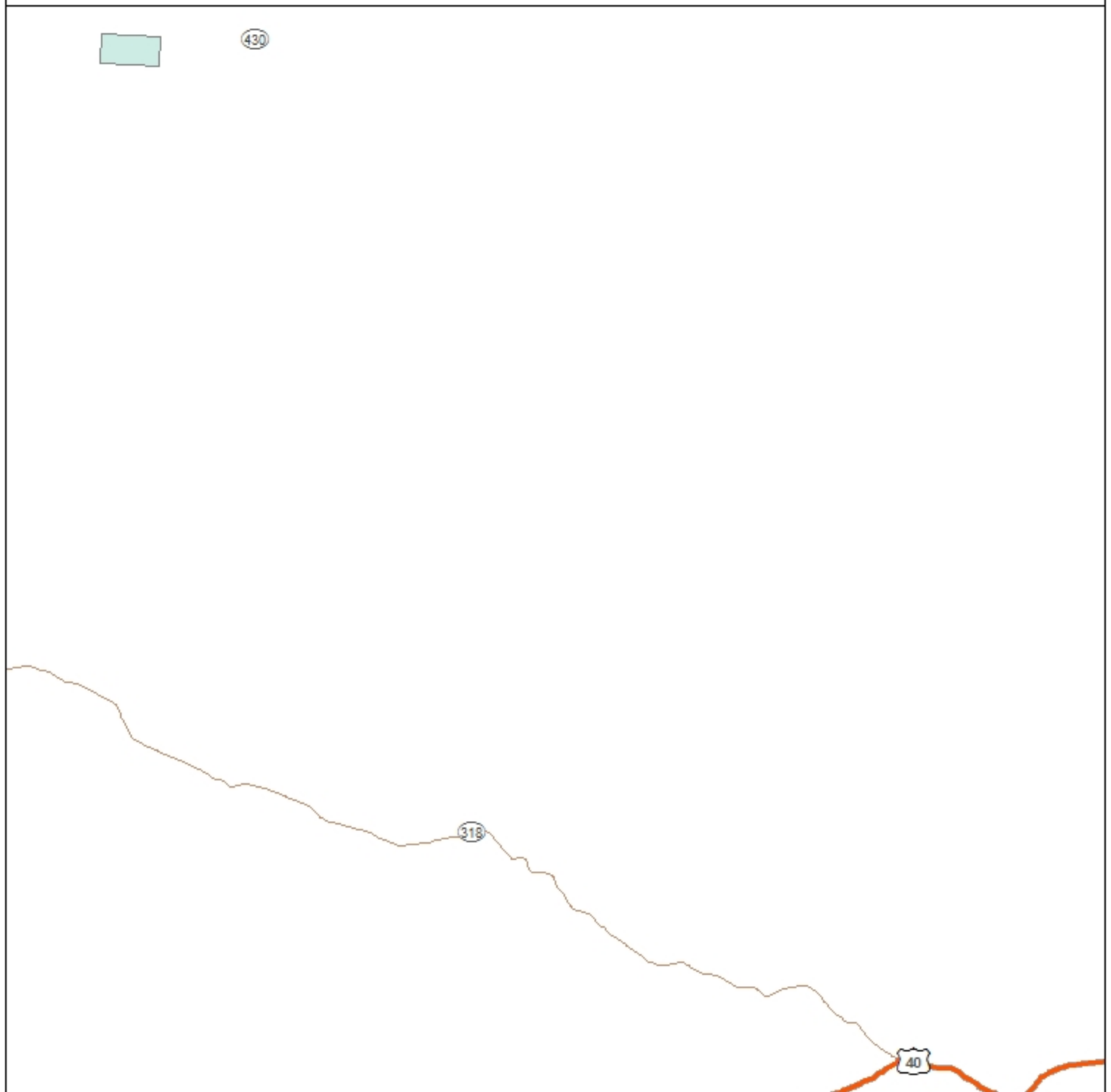


Legend

- Limited Access
- Highway
- Major Road
- Local Road
- Minor Road
- Cities
- Regulation 42 Specified Areas



**Figure 53. Specified Area for the Hiawatha Oil and Gas Field
Moffat County, Colorado.**



Legend








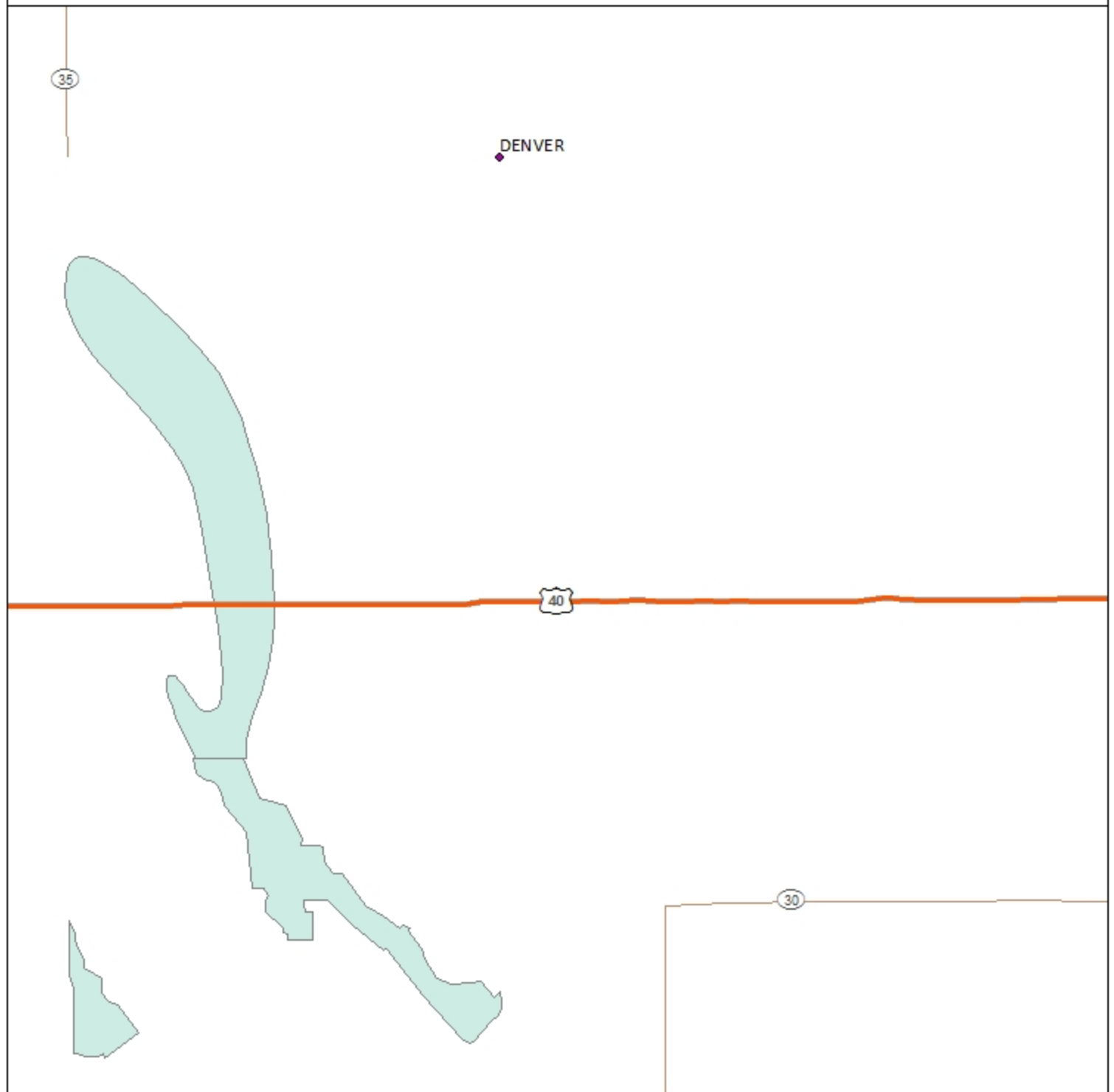
- | | | |
|---|--|---|
|  Limited Access |  Local Road |  Cities |
|  Highway |  Minor Road |  Regulation 42 Specified Areas |
|  Major Road | | |



Figure 54A/B. Specified Area for Lowry Aquifers (A - Alluvium) and (B - Bedrock)



Legend

- | | | |
|----------------|------------|-------------------------------|
| Limited Access | Local Road | Cities |
| Highway | Minor Road | Regulation 42 Specified Areas |
| Major Road | | |



0 0.4 0.8 Miles

42.9 ~~Reserved~~ RESERVED.

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42.35 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE: JANUARY 9, 2017 RULEMAKING; FINAL ACTION JANUARY 9, 2017; EFFECTIVE DATE MARCH 1, 2017

The provisions of C.R.S. sections 25-8-202; 25-8-203; 25-8-204; 25-8-402, provide the specific statutory authority for adoption of this regulation. The Commission also adopted, in compliance with section 24-4-103(4) the following statement of basis and purpose.

BASIS AND PURPOSE

In today's action, the Commission updated the maps to an electronic format in ArcGIS. The geographic regions in Regulation No. 42 represent where the Water Quality Control Commission has assigned use classifications and site specific water quality standards. No change were made to the actual boundaries. These changes were made to better communicate all of the specified areas within Regulation No. 42 with external stakeholders. The maps are found in Figures 1 through 54B in the regulation.