

DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

Water Quality Control Commission

REGULATION NO. 42 - SITE-SPECIFIC WATER QUALITY CLASSIFICATIONS AND STANDARDS FOR ~~GROUND WATER~~GROUNDWATER

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~~Groundwater Regulation No. 41 (5 CCR 1002-41)."

42.2 PURPOSE

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

42.3 INDEX OF CLASSIFIED AREAS

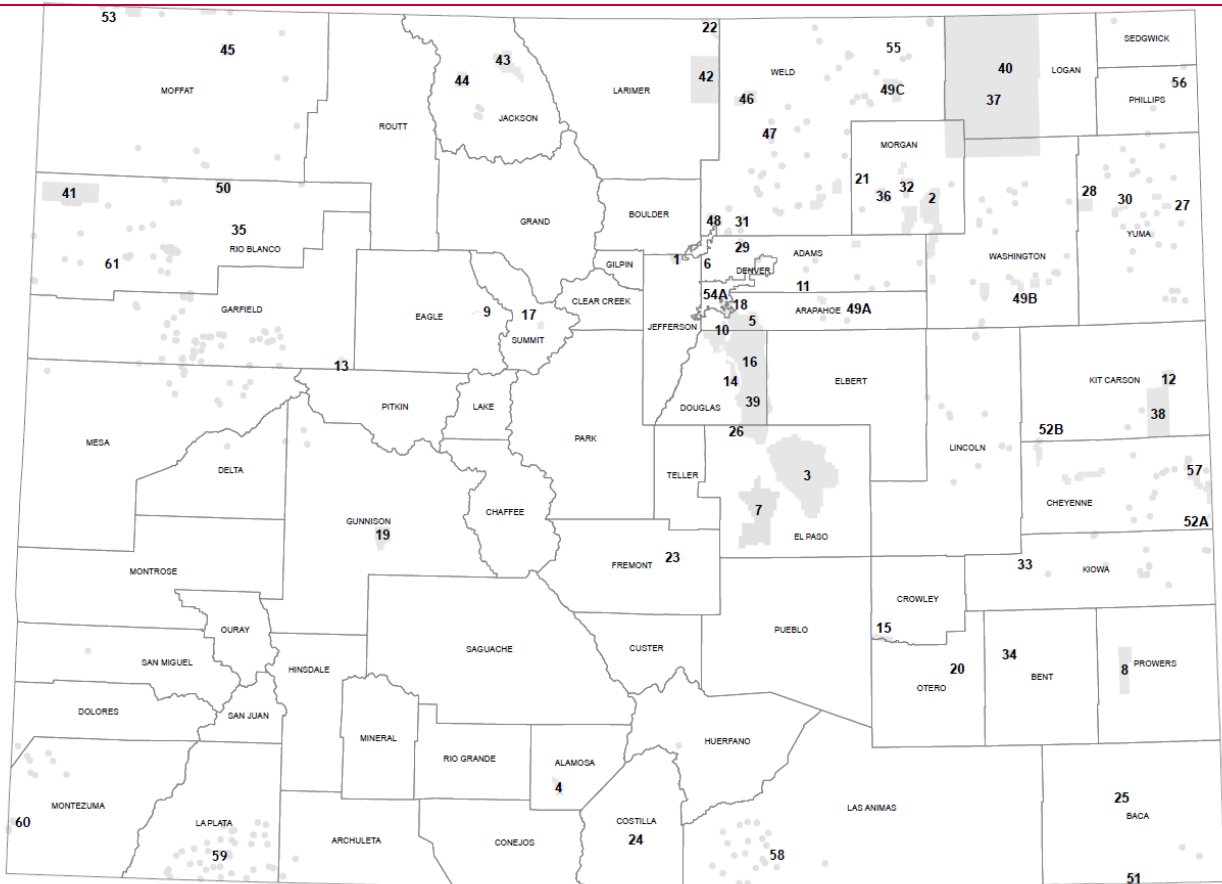
~~GROUND WATER~~GROUNDWATER TO WHICH QUALITY CONTROL COMMISSION HAS ASSIGNED USE CLASSIFICATIONS AND WATER QUALITY STANDARDS

| LOCATION | COUNTY | DATE ADOPTED | FIGURE # | NARRATIVE PAGE # | FIGURE PAGE # |
|--|---------------------------------------|---------------------|----------|------------------|-----------------|
| Alamosa | Alamosa | 05/ 1993 | 4 | 6 | 5641 |
| Bennett | Adams | 06/ 1994 | 11 | 9 | 6348 |
| Brighton | Adams | 11/ 1994 | 29 | 14 | 8166 |
| Brush | Morgan | 05/ 1991 | 2 | 6 | 5439 |
| Burlington | Kit Carson | 06/ 1994 | 12 | 9 | 6449 |
| Carbondale | Garfield | 06/ 1994 | 13 | 9 | 6550 |
| Castle Rock | Douglas | 06/ 1994 | 14 | 10 | 6651 |
| Co. Oil & Gas Fields | Logan, N Washington & NE Morgan | 09/ 1997 | 40 | 18 | 8277 |
| Crowley County | Crowley | 06/ 1994 | 15 | 10 | 6752 |
| Denver SE Suburban W & SD | Douglas | 06/ 1994 | 16 | 10 | 6853 |
| E. Cherry Creek Valley W & SD | Arapahoe | 05/ 1993 | 5 | 7 | 5742 |
| E. Dillon WD | Summit | 06/ 1994 | 17 | 11 | 6954 |
| Eckley | Yuma | 11/ 1994 | 30 | 15 | 8267 |
| Federal Heights WD | Adams | 05/ 1993 | 6 | 7 | 5843 |
| Fort Lupton | Weld | 11/ 1994 | 31 | 15 | 8368 |
| Fort Morgan | Morgan | 11/ 1994 | 32 | 15 | 8469 |
| Fountain/Security/Stratmoor Hills/Widefield | El Paso | 05/ 1993 | 7 | 7 | 5944 |
| Glendale/Cherry Creek Valley W & SD | Arapahoe | 06/ 1994 | 18 | 11 | 7055 |

| | | | | | |
|--|---|-------------------------------|-------------------|----------------|-------------------------|
| Gunnison | Gunnison | 06/1994 | 19 | 11 | 7156 |
| Haswell | Kiowa | 11/1994 | 33 | 16 | 8570 |
| Lamar | Prowers | 05/1993 | 8 | 8 | 6045 |
| La Junta | Otero | 06/1994 | 20 | 12 | 7257 |
| Las Animas | Bent | 11/1994 | 34 | 16 | 8674 |
| Lowry Air Force Base (Former)/City and County of Denver/City of Aurora | Arapahoe and Denver | 06/2014 | 54A/54B | 23 | 10994/1 1095 |
| Meeker | Rio Blanco | 11/1994 | 35 | 16 | 8772 |
| Morgan County Qual WD | Morgan | 06/1994 | 21 | 12 | 7358 |
| “ “ “ “ | “ | 11/1994 | 36 | 17 | 8873 |
| No CO Water Assn | Larimer | 06/1994 | 22 | 12 | 7459 |
| Park Center WD | Fremont | 06/1994 | 23 | 13 | 7560 |
| Oil & Gas Fields | Larimer | 12/1999 | 42 | 19 | 9479 |
| Oil & Gas Fields East-Central Jackson County | Jackson | 12/1999 | 43 | 19 | 9580 |
| Oil & Gas Fields West-Central Jackson County | Jackson | 12/1999 | 44 | 19 | 9684 |
| Oil & Gas Fields Northern Moffat County | Moffat | 12/1999 | 45 | 20 | 9782 |
| Oil & Gas Fields Weld County | Weld | 12/2000 | 46 | 20 | 9883 |
| Oil & Gas Fields Weld County | Weld | 12/2000 | 47 | 21 | 9984 |
| Oil & Gas Fields Weld County | Weld | 12/2000 | 48 | 21 | 10085 |
| Oil & Gas Fields Adams, Arapahoe Morgan, Washington Weld Counties | Adams, Arapahoe Morgan, Washington Weld | 12/2000 12/2000 12/2000 | 49A 49B 49C | 21 21 21 | 10186 10287 10388 |
| Oil & Gas Fields Rio Blanco County | Rio Blanco | 12/2001 | 50 | 22 | 10489 |
| Oil & Gas Fields Baca County | Baca | 09/2002 | 51 | 22 | 10589 |
| Oil & Gas Fields Cheyenne and Kit Carson Counties | Cheyenne Kit Carson | 12/2003 12/2003 | 52A 52B | 23 23 | 10694 10792 |
| Oil and Gas Field (Hiawatha) Moffat County | Moffat | 03/2004 | 53 | 23 | 10893 |
| <u>Oil and Gas fields of Larimer, Weld, Boulder, Broomfield, Adams, Denver, Jefferson, and Arapahoe counties</u> | <u>Larimer, Weld, Boulder, Broomfield, Adams, Denver, Jefferson, and Arapahoe</u> | <u>04/2020</u> | <u>55</u> | <u>42</u> | <u>111</u> |
| <u>Oil and Gas fields of Morgan, Logan, Sedgwick, Phillips, Washington, and Yuma counties</u> | <u>Morgan, Logan, Sedgwick, Phillips, Washington, and Yuma</u> | <u>04/2020</u> | <u>56</u> | <u>44</u> | <u>112</u> |

| | | | | | |
|--|---|-----------------|-----------|-----------|-------------|
| <u>Oil and Gas fields of Douglas, Elbert, Lincoln, Kit Carson, El Paso, Cheyenne, Pueblo, Fremont, Crowley, Kiowa, Otero, Bent, Prowers, and Baca counties</u> | <u>Douglas, Elbert, Lincoln, Kit Carson, El Paso, Cheyenne, Pueblo, Fremont, Crowley, Kiowa, Otero, Bent, Prowers, and Baca</u> | <u>04/2020</u> | <u>57</u> | <u>45</u> | <u>113</u> |
| <u>Oil and Gas fields of Sauguache, Rio Grande, Alamosa, Huerfano, Costilla, and Las Animas counties</u> | <u>Sauguache, Rio Grande, Alamosa, Huerfano, Costilla, and Las Animas</u> | <u>04/2020</u> | <u>58</u> | <u>46</u> | <u>114</u> |
| <u>Oil and Gas fields of La Plata and Archuleta counties</u> | <u>La Plata and Archuleta</u> | <u>04/2020</u> | <u>59</u> | <u>47</u> | <u>115</u> |
| <u>Oil and Gas fields of Montrose, San Miguel, Dolores, and Montezuma counties</u> | <u>Montrose, San Miguel, Dolores, and Montezuma</u> | <u>04/2020</u> | <u>60</u> | <u>48</u> | <u>116</u> |
| <u>Oil and Gas fields of Moffat, Routt, Jackson, Grand, Rio Blanco, Garfield, Mesa, Delta, Pitkin, and Gunnison counties</u> | <u>Moffat, Routt, Jackson, Grand, Rio Blanco, Garfield, Mesa, Delta, Pitkin, and Gunnison</u> | <u>04/2020</u> | <u>61</u> | <u>51</u> | <u>117</u> |
| Rangely Oil & Gas Field | Rio Blanco | 04/ <u>1998</u> | 41 | 18 | <u>8378</u> |
| Rocky Flats | Jeff/Boulder | 02/ <u>1991</u> | 1 | 4 | <u>5338</u> |
| San Luis W & SD | Costilla | 06/ <u>1994</u> | 24 | 13 | <u>7664</u> |
| SW Protection Area | Kit Carson | 10/ <u>1995</u> | 38 | 17 | <u>9075</u> |
| Springfield | Baca | 06/ <u>1994</u> | 25 | 13 | <u>7762</u> |
| Sterling | Logan | 11/ <u>1994</u> | 37 | 17 | <u>8974</u> |
| Upper Black Squirrel | El Paso | 05/ <u>1991</u> | 3 | 6 | <u>5540</u> |
| Upper Cherry Crk & Denver Basins | El Paso/Douglas/ Arapahoe | 01/ <u>1996</u> | 39 | 17 | <u>8176</u> |
| Vail Valley | Eagle | 05/ <u>1993</u> | 9 | 8 | <u>6146</u> |
| Willows/Centennial Class Area | Arapahoe & Douglas | 05/ <u>1993</u> | 10 | 8 | <u>6247</u> |
| Woodmoor W&S | El Paso | 06/ <u>1994</u> | 26 | 13 | <u>7863</u> |
| Wray | Yuma | 06/ <u>1994</u> | 27 | 14 | <u>7964</u> |
| Yuma | Yuma | 06/ <u>1994</u> | 28 | 14 | <u>8065</u> |

Index Map of Specified Areas



42.4 RESERVED

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~~Groundwater" is ~~ground water~~groundwater 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~~Groundwater" is ~~ground-water~~groundwater 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~~groundwater incorporating any aquifer or other zone of ~~ground-water~~groundwater 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~~GROUNDWATER 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~~Groundwater apply to all ~~ground-water~~groundwater 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-water~~groundwaters 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-water~~groundwaters 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~~ watergroundwater 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~~groundwater 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~~Groundwater." 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~~groundwater 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 water~~groundwaters in the UHSU hydraulically connected to the surface streams shown:

| | Segment 4 Segment 5 Woman Creek | Segment 4 Segment 5 Walnut Creek |
|-------------|--|---|
| 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-water~~groundwaters within the saturated zone underlying that area as illustrated in Figure 2.

(b) Classification: The classifications of the unconfined ~~ground-water~~groundwater in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

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

(a) Specified Area: All unconfined ~~ground-water~~groundwaters within the saturated zone underlying that area of El Paso County shown on Figure 3.

(b) Classification: The classifications of the unconfined ~~ground-water~~groundwater in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

(4) CITY OF ALAMOSA WELLFIELD, ALAMOSA COUNTY

(a) Specified Area: All confined and unconfined ~~ground-water~~groundwaters 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~~groundwater in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

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

(a) Specified Area: All ~~ground-water~~groundwater 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~~groundwater 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~~groundwater in the Denver, Arapahoe, and Laramie-Fox Hills aquifers within the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

(c) Ground-WaterGroundwater Quality Standards: The ~~ground-water~~groundwater quality standards included in Tables 1 - 4 of the "Basic Standards for Ground-WaterGroundwater" 41.0 (5 CCR 1002-41) are assigned to all ~~ground-water~~groundwater 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-WaterGroundwater" 42.0 (5 CCR 1002-42), shall be applicable to the ~~ground-water~~groundwater in the Dawson aquifer and all of the alluvial and unconfined ~~ground-water~~groundwater 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-water~~groundwaters 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~~groundwater in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

(c) Ground-WaterGroundwater Quality Standards: The ~~ground-water~~groundwater quality standards included in Tables 1 - 4 of the "Basic Standards for Ground-WaterGroundwater" 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ~~ground-water~~groundwater 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. SPECIFIED AREA INCLUDES THE WIDFIELD AQUIFER, WINDMILL GULCH AQUIFER, SAND CREEK AQUIFER, CREWS GULCH AQUIFER, FOUNTAIN CREEK ALLUVIAL AQUIFER AND OTHER ADJACENT UNCONFINED AQUIFERS IN EL PASO COUNTY.

(a) Specified Area: All confined and unconfined ~~ground-water~~groundwaters within the saturated zone underlying the following Public Land Survey System (PLSS) sections in El Paso County (Figure 7):

| | | | | | |
|----------|-------|---------|----------|-------|---------|
| Township | Range | Section | Township | Range | Section |
|----------|-------|---------|----------|-------|---------|

| | | | | | |
|------|------|-----|------|------|-----|
| T13S | R65W | S30 | T14S | R65W | S28 |
| T13S | R65W | S31 | T14S | R65W | S29 |
| T13S | R66W | S36 | T14S | R65W | S30 |
| T14S | R64W | S19 | T14S | R65W | S31 |
| T14S | R64W | S30 | T14S | R65W | S32 |
| T14S | R65W | S06 | T14S | R65W | S33 |
| T14S | R65W | S07 | T14S | R65W | S34 |
| T14S | R65W | S15 | T14S | R65W | S35 |
| T14S | R65W | S16 | T14S | R65W | S36 |
| T14S | R65W | S17 | T14S | R66W | S01 |
| T14S | R65W | S18 | T14S | R66W | S12 |
| T14S | R65W | S19 | T14S | R66W | S13 |
| T14S | R65W | S20 | T14S | R66W | S14 |
| T14S | R65W | S21 | T14S | R66W | S19 |
| T14S | R65W | S22 | T14S | R66W | S20 |
| T14S | R65W | S23 | T14S | R66W | S21 |
| T14S | R65W | S24 | T14S | R66W | S22 |
| T14S | R65W | S25 | T14S | R66W | S23 |
| T14S | R65W | S26 | T14S | R66W | S24 |
| T14S | R65W | S27 | T14S | R66W | S25 |
| T14S | R66W | S26 | T15S | R65W | S17 |
| T14S | R66W | S27 | T15S | R65W | S18 |
| T14S | R66W | S28 | T15S | R65W | S19 |
| T14S | R66W | S29 | T15S | R65W | S20 |
| T14S | R66W | S30 | T15S | R65W | S21 |
| T14S | R66W | S32 | T15S | R65W | S22 |
| T14S | R66W | S33 | T15S | R65W | S23 |
| T14S | R66W | S34 | T15S | R65W | S26 |

| | | | | | |
|------|------|-----|------|------|-----|
| T14S | R66W | S35 | T15S | R65W | S27 |
| T14S | R66W | S36 | T15S | R65W | S28 |
| T15S | R65W | S01 | T15S | R65W | S29 |
| T15S | R65W | S02 | T15S | R65W | S30 |
| T15S | R65W | S03 | T15S | R65W | S31 |
| T15S | R65W | S04 | T15S | R65W | S32 |
| T15S | R65W | S05 | T15S | R65W | S33 |
| T15S | R65W | S06 | T15S | R65W | S34 |
| T15S | R65W | S07 | T15S | R66W | S01 |
| T15S | R65W | S08 | T15S | R66W | S02 |
| T15S | R65W | S09 | T15S | R66W | S03 |
| T15S | R65W | S10 | T15S | R66W | S04 |
| T15S | R65W | S11 | T15S | R66W | S10 |
| T15S | R65W | S12 | T15S | R66W | S11 |
| T15S | R65W | S13 | T15S | R66W | S12 |
| T15S | R65W | S14 | T15S | R66W | S13 |
| T15S | R65W | S15 | T15S | R66W | S14 |
| T15S | R65W | S16 | T15S | R66W | S15 |
| T15S | R66W | S23 | T16S | R65W | S32 |
| T15S | R66W | S24 | T16S | R65W | S33 |
| T15S | R66W | S25 | T16S | R65W | S34 |
| T15S | R66W | S26 | T16S | R66W | S01 |
| T15S | R66W | S36 | T16S | R66W | S08 |
| T16S | R65W | S03 | T16S | R66W | S09 |
| T16S | R65W | S04 | T16S | R66W | S10 |
| T16S | R65W | S05 | T16S | R66W | S11 |
| T16S | R65W | S06 | T16S | R66W | S12 |
| T16S | R65W | S07 | T16S | R66W | S13 |

| | | | | | |
|------|------|-----|------|------|-----|
| T16S | R65W | S08 | T16S | R66W | S14 |
| T16S | R65W | S09 | T16S | R66W | S15 |
| T16S | R65W | S10 | T16S | R66W | S16 |
| T16S | R65W | S15 | T16S | R66W | S17 |
| T16S | R65W | S16 | T16S | R66W | S20 |
| T16S | R65W | S17 | T16S | R66W | S21 |
| T16S | R65W | S18 | T16S | R66W | S22 |
| T16S | R65W | S19 | T16S | R66W | S23 |
| T16S | R65W | S20 | T16S | R66W | S24 |
| T16S | R65W | S21 | T16S | R66W | S25 |
| T16S | R65W | S22 | T16S | R66W | S26 |
| T16S | R65W | S27 | T16S | R66W | S27 |
| T16S | R65W | S28 | T16S | R66W | S28 |
| T16S | R65W | S29 | T16S | R66W | S29 |
| T16S | R65W | S30 | T16S | R66W | S31 |
| T16S | R65W | S31 | T16S | R66W | S32 |
| T16S | R66W | S33 | T17S | R66W | S03 |
| T16S | R66W | S34 | T17S | R66W | S04 |
| T16S | R66W | S35 | T17S | R66W | S05 |
| T16S | R66W | S26 | T17S | R66W | S06 |
| T17S | R65W | S03 | T17S | R66W | S07 |
| T17S | R65W | S04 | T17S | R66W | S08 |
| T17S | R65W | S05 | T17S | R66W | S09 |
| T17S | R65W | S06 | T17S | R66W | S10 |
| T17S | R65W | S09 | T17S | R66W | S11 |
| T17S | R65W | S10 | T17S | R66W | S12 |
| T17S | R66W | S01 | T17S | R66W | S17 |
| T17S | R66W | S02 | T17S | R66W | S18 |

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

- Domestic Use-Quality
- Agricultural Use-Quality

(c) Ground WaterGroundwater Quality Standards: For the specified area, the ~~ground water~~groundwater quality standards included in Tables 1 - 4 of the "Basic Standards for ~~Ground Water~~Groundwater" 41.0 (5 CCR 1002-41) are assigned to all ~~ground water~~groundwater.

(d) Additional ~~Ground Water~~Groundwater Quality Standards for the Specified Area:

(i) The sum of Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonate (PFOS) = 0.070 micrograms per liter.

(8) CITY OF LAMAR WELLFIELD, PROWERS COUNTY

(a) Specified Area: All confined and unconfined ~~ground water~~groundwaters 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~~groundwater in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

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

(a) Specified Area: All confined and unconfined ~~ground water~~groundwaters 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~~groundwater in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

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

(a) Specified Area: All ~~ground-water~~groundwaters 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~~groundwater 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~~groundwater 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~~groundwater overlying the Denver Basin aquifers in the specified area is:

- Agricultural Use-Quality

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

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

(11) TOWN OF BENNETT WELLFIELD, ADAMS COUNTY

(a) Specified Area: All confined and unconfined ~~ground-water~~groundwaters 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~~groundwater in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

(12) CITY OF BURLINGTON WELLFIELD, KIT CARSON COUNTY

(a) Specified Area: All confined and unconfined ~~ground-water~~groundwaters 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~~groundwater in the specified area are:

- Domestic Use-Quality

- Agricultural Use-Quality

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

(13) TOWN OF CARBONDALE WELLFIELD, GARFIELD COUNTY

(a) Specified Area: All confined and unconfined ~~ground-watergroundwater~~s 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-watergroundwater~~ in the specified area are:

- Domestic Use-Quality

- Agricultural Use-Quality

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

(14) TOWN OF CASTLE ROCK WELLFIELD, DOUGLAS COUNTY

(a) Specified Area: All confined and unconfined ~~ground-watergroundwater~~s 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-watergroundwater~~ in the specified area are:

- Domestic Use-Quality

- Agricultural Use-Quality

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

(15) CROWLEY COUNTY WATER SYSTEM WELLFIELD, CROWLEY COUNTY

(a) Specified Area: All confined and unconfined ~~ground-watergroundwater~~s 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-watergroundwater~~ in the specified area are:

- Domestic Use-Quality

- Agricultural Use-Quality

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

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

(a) Specified Area: All confined and unconfined ~~ground-watergroundwater~~s 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-watergroundwater~~ in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

(17) EAST DILLON WATER DISTRICT WELLFIELD, SUMMIT COUNTY

(a) Specified Area: All confined and unconfined ~~ground-watergroundwater~~s 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-watergroundwater~~ in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

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

(a) Specified Area: All confined and unconfined ~~ground-watergroundwater~~ 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-watergroundwater~~ in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

(19) CITY OF GUNNISON WELLFIELD, GUNNISON COUNTY

(a) Specified Area: All confined and unconfined ~~ground-water groundwater~~s 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 groundwater~~ in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

(20) CITY OF LA JUNTA WELLFIELD, OTERO COUNTY

(a) Specified Area: All confined and unconfined ~~ground-water groundwater~~s 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 groundwater~~ in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

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

(a) Specified Area: All confined and unconfined ~~ground-water groundwater~~ 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 groundwater~~ in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

(22) NORTHERN COLORADO WATER ASSOCIATION WELLFIELD, LARIMER COUNTY

(a) Specified Area: All confined and unconfined ~~ground-watergroundwater~~s 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-watergroundwater~~ in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

(23) PARK CENTER WATER DISTRICT WELLFIELD, FREMONT COUNTY

(a) Specified Area: All confined and unconfined ~~ground-watergroundwater~~ 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-watergroundwater~~ in the specified area is:

- Domestic Use-Quality

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

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

(a) Specified Area: All confined and unconfined ~~ground-watergroundwater~~s 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-watergroundwater~~ in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

(25) TOWN OF SPRINGFIELD WELLFIELD, BACA COUNTY

(a) Specified Area: All confined and unconfined ~~ground water~~groundwater 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~~groundwater in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

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

(a) Specified Area: All confined and unconfined ~~ground water~~groundwaters within the saturated zone underlying the area as illustrated in Figure 26.

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

- Domestic Use-Quality
- Agricultural Use-Quality

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

(27) CITY OF WRAY WELLFIELD, YUMA COUNTY

(a) Specified Area: All confined and unconfined ~~ground water~~groundwater within the saturated zone underlying the area as illustrated in Figure 27.

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

- Domestic Use-Quality
- Agricultural Use-Quality

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

(28) CITY OF YUMA WELLFIELD, YUMA COUNTY

(a) Specified Area: All confined and unconfined ~~ground water~~groundwaters 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~~groundwater in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

(29) CITY OF BRIGHTON WELLFIELD, ADAMS COUNTY

(a) Specified Area: All confined and unconfined ~~ground-water~~groundwater 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~~groundwater in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

(30) TOWN OF ECKLEY WELLFIELD, YUMA COUNTY

(a) Specified Area: All confined and unconfined ~~ground-water~~groundwaters 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~~groundwater in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

(31) CITY OF FORT LUPTON WELLFIELD, WELD COUNTY

(a) Specified Area: All confined and unconfined ~~ground-water~~groundwater 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~~groundwater in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

(32) CITY OF FORT MORGAN WELLFIELD, MORGAN COUNTY

(a) Specified Area: All confined and unconfined ~~ground-watergroundwater~~s 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-watergroundwater~~ in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

(33) TOWN OF HASWELL WELLFIELD, KIOWA COUNTY

(a) Specified Area: All confined and unconfined ~~ground-watergroundwater~~ 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-watergroundwater~~ in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

(34) TOWN OF LAS ANIMAS WELLFIELD, BENT COUNTY

(a) Specified Area: All confined and unconfined ~~ground-watergroundwater~~s 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-watergroundwater~~ in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

(35) TOWN OF MEEKER WELLFIELD, RIO BLANCO COUNTY

(a) Specified Area: All confined and unconfined ~~ground-watergroundwater~~ 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-watergroundwater~~ in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

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

(a) Specified Area: All confined and unconfined ~~ground-watergroundwater~~s 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-watergroundwater~~ in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

(37) CITY OF STERLING WELLFIELD, LOGAN COUNTY

(a) Specified Area: All confined and unconfined ~~ground-watergroundwater~~ within the saturated zone underlying the area, EXCEPT FOR THE ~~GROUND WATERGROUNDWATER~~ 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~~groundwater in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

(38) SOUTHWEST WATER PROTECTION AREA, KIT CARSON COUNTY

(a) Specified Area: All confined and unconfined ~~ground-water~~groundwater 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~~groundwater in the specified area are:

- Domestic Use-Quality
- Agricultural Use-Quality

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

- Domestic Use-Quality
- Agricultural Use-Quality

(c) Ground Water~~Groundwater~~ Quality Standards: The ~~ground-water~~groundwater quality standards included in Tables 1 - 4 of the “Basic Standards for ~~Ground Water~~Groundwater” 41.0 (5 CCR 1002-41) are assigned to all confined and unconfined ~~ground-water~~groundwater 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-water~~groundwaters 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~~groundwater in the D, J, and O Sandstones is:

- Limited Use and Quality

(c) Ground Water~~Groundwater~~ Quality Standards: The ~~ground-water~~groundwater quality standards included in Table 1 through 4 of the Basic Standards for ~~Ground Water~~Groundwater Regulation No. 41 (5 CCR 1002-41) will not apply to the confined ~~ground-water~~groundwater of the D, J, and O Sandstones in the specified area.

The ~~ground-water~~groundwater organic chemical standards included in Table A of the section 41.5.C.3 of the Basic Standards for ~~Ground Water~~Groundwater (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ~~ground-water~~groundwater 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 intrinsically derived from primary field operations associated with the exploration, development, or production of crude oil and natural gas.

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

(a) Specified Area: The confined ~~ground-water~~groundwaters within the Weber Formation and the Navajo Sandstone underlying the area illustrated in Figure 41.

(b) Classifications: The classification of the ~~ground-water~~groundwater in the Weber Formation and the Navajo Sandstone is:

- Limited Use and Quality

(c) Ground Water~~Groundwater~~ Quality Standards: The ~~ground-water~~groundwater quality standards included in Table 1 through 4 of the Basic Standards for ~~Ground Water~~Groundwater Regulation No. 41 (5 CCR 1002-41) will not apply to the confined ~~ground-water~~groundwater of the Weber Formation and the Navajo Sandstone within the specified area.

The ~~ground-water~~groundwater organic chemical standards included in Table A of the section 41.5.C.3 of the Basic Standards for ~~Ground Water~~Groundwater (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ~~ground-water~~groundwater 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 intrinsically 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~~groundwater in the Entrada Sandstone and Muddy Sandstone (J Sand) underlying the area illustrated in Figure 42.

(b) Classifications: The classification of the ~~ground-water~~groundwater in the Entrada Sandstone and Muddy Sandstone (J Sand) is:

- Limited Use and Quality

(c) Ground Water~~Groundwater~~ Quality Standards: The ~~ground-water~~groundwater quality standards included in Table 1 through 4 of the Basic Standards for ~~Ground Water~~Groundwater 41.0 (5 CCR 1002-41) will not apply to the confined ~~ground-water~~groundwater of the Entrada Sandstone and Muddy Sandstone (J Sand) within the specified area.

The ~~ground water~~groundwater organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for ~~Ground Water~~Groundwater (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ~~ground water~~groundwater 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 intrinsically 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~~groundwater 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~~groundwater in the Dakota and Lakota Sandstones and the Pierre B Sandstone Member of the Pierre Shale is:

- Limited Use and Quality

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

The ~~ground water~~groundwater organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for ~~Ground Water~~Groundwater (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ~~ground water~~groundwater 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~~groundwater in the Dakota and Lakota Sandstones underlying the area illustrated in Figure 44.

(b) Classifications: The classification of the ~~ground water~~groundwater in the Dakota and Lakota Sandstones is:

- Limited Use and Quality

(c) Ground WaterGroundwater Quality Standards: The ~~ground water~~groundwater quality standards included in Table 1 through 4 of the Basic Standards for ~~Ground Water~~Groundwater 41.0 (5 CCR 1002-41) will not apply to the confined ~~ground water~~groundwater of the Dakota and Lakota Sandstones within the specified area.

The ~~ground water~~groundwater organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for ~~Ground Water~~Groundwater (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ~~ground water~~groundwater 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~~groundwater within the Fort Union Formation underlying the area illustrated in Figure 45.

(b) Classifications: The classification of the ~~ground-water~~groundwater in the Fort Union Formation is:

- Limited Use and Quality

(c) Ground WaterGroundwater Quality Standards: The ~~ground-water~~groundwater quality standards included in Table 1 through 4 of the Basic Standards for ~~Ground Water~~Groundwater 41.0 (5 CCR 1002-41) will not apply to the confined ~~ground-water~~groundwater of the Fort Union Formation within the specified area.

The ~~ground-water~~groundwater organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for ~~Ground Water~~Groundwater (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ~~ground-water~~groundwater 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~~groundwater in the Lyons Sandstone underlying the area illustrated in Figure 46.

(b) Classifications: The classification of the ~~ground-water~~groundwater in the Lyons Sandstone is:

- Limited Use and Quality

(c) Ground WaterGroundwater Quality Standards: The ~~ground-water~~groundwater quality standards included in Table 1 through 4 of the Basic Standards for ~~Ground Water~~Groundwater 41.0 (5 CCR 1002-41) will not apply to the confined ~~ground-water~~groundwater of the Lyons Sandstone within the specified area.

The ~~ground-water~~groundwater organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for ~~Ground Water~~Groundwater (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ~~ground-water~~groundwater 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~~groundwater in the Parkman Sandstone underlying the area illustrated in Figure 47.

(b) Classifications: The classification of the ~~ground-water~~groundwater in the Parkman Sandstone is:

- Limited Use and Quality

(c) Ground WaterGroundwater Quality Standards: The ~~ground-water~~groundwater quality standards included in Table 1 through 4 of the Basic Standards for ~~Ground Water~~Groundwater 41.0 (5 CCR 1002-41) will not apply to the confined ~~ground-water~~groundwater of the Parkman Sandstone within the specified area.

The ~~ground water~~groundwater organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for ~~Ground Water~~Groundwater (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ~~ground water~~groundwater 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~~groundwater in the Sussex Sandstone underlying the area illustrated in Figure 48.

(b) Classifications: The classification of the ~~ground water~~groundwater in the Sussex Sandstone is:

- Limited Use and Quality

(c) Ground WaterGroundwater Quality Standards: The ~~ground water~~groundwater quality standards included in Table 1 through 4 of the Basic Standards for ~~Ground Water~~Groundwater 41.0 (5 CCR 1002-41) will not apply to the confined ~~ground water~~groundwater of the Sussex Sandstone within the specified area.

The ~~ground water~~groundwater organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for ~~Ground Water~~Groundwater (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ~~ground water~~groundwater 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~~groundwater in the D and J Sandstones underlying the areas illustrated in Figures 49A, 49B, 49C.

(2) Classifications: The classification of the ~~ground water~~groundwater in the D and J Sandstones is:

- Limited Use and Quality

(3) Ground WaterGroundwater Quality Standards: The ~~ground water~~groundwater quality standards included in Table 1 through 4 of the Basic Standards for ~~Ground Water~~Groundwater 41.0 (5 CCR 1002-41) will not apply to the confined ~~ground water~~groundwater of the D and J Sandstones within the specified areas.

The ~~ground water~~groundwater organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for ~~Ground Water~~Groundwater (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ~~ground water~~groundwater 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~~groundwater in the Morrison and Sundance Formations underlying the area illustrated in Figure 50.

(2) Classifications: The classification of the ~~ground-water~~groundwater in the Morrison and Sundance Formations are:

- Limited Use and Quality

(3) Ground Water~~Groundwater~~ Quality Standards: The ~~ground-water~~groundwater quality standards included in Table 1 through 4 of the Basic Standards for ~~Ground Water~~Groundwater 41.0 (5 CCR 1002-41) will not apply to the confined ~~ground-water~~groundwater of the Morrison and Sundance Formations within the specified area.

The ~~ground-water~~groundwater organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for ~~Ground Water~~Groundwater (5CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ~~ground-water~~groundwater 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~~groundwater in the Lansing Formation underlying the area illustrated in Figure 51.

(b) Classifications: The classification of the ~~ground-water~~groundwater in the Lansing Formation are:

- Limited Use and Quality

(c) Ground Water~~Groundwater~~ Quality Standards: The ~~ground-water~~groundwater quality standards included in Table 1 through 4 of the Basic Standards for ~~Ground Water~~Groundwater 41.0 (5CCR1002-41) will not apply to the confined ~~ground-water~~groundwater of the Lansing Formation within the specified area.

The ~~ground-water~~groundwater organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for ~~Ground Water~~Groundwater (5CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ~~ground-water~~groundwater 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~~groundwater in the Morrow Formation underlying the area illustrated in Figures 52A AND 52B.

(b) Classifications: The classification of the ~~ground-water~~groundwater in the Morrow Formation are:

- Limited Use and Quality

(c) Ground Water~~Groundwater~~ Quality Standards: The ~~ground-water~~groundwater quality standards included in Table 1 through 4 of the Basic Standards for ~~Ground Water~~Groundwater 41.0 (5CCR 1002-41) will not apply to the confined ~~ground-water~~groundwater of the Morrow Formation within the specified area.

The ~~ground water~~groundwater organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for ~~Ground Water~~Groundwater (5CCR1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ~~ground water~~groundwater 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~~groundwater 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~~groundwater in the Middle Oil Sand portion of the Tertiary Wasatch Formation is: Limited Use and Quality
- (c) Ground WaterGroundwater Quality Standards : The ~~ground water~~groundwater quality standards included in Table 1 through 4 of the Basic Standards for ~~Ground Water~~Groundwater 41.0 (5CCR 1002-41) will not apply to the confined ~~ground water~~groundwater of the Middle Oil Sand zone of the Tertiary Wasatch Formation within the specified area.

The ~~ground water~~groundwater organic chemical standards included in Table A of the Section 41.5.C.3 of the Basic Standards for ~~Ground Water~~Groundwater (5CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the ~~ground water~~groundwater 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~~groundwater in the following locations:
- i. On-Base
1. Alluvial ~~ground water~~groundwater 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~~groundwater 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~~groundwater, 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~~groundwater, 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~~Groundwater Quality Standards: For the Specified Areas, the ~~ground water~~groundwater 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~~Groundwater 41.0 (5 CCR 1002-41) are assigned to all ~~ground water~~groundwater, 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~~Groundwater (5 CCR 1002-41) shall not apply.

| Site Specific Concentrations and Classifications | | | | |
|--|----------------------------|---------------|--------------------------|------------------------|
| On-Base | | | | |
| Area | Classification | Geologic Unit | Parameter | Site Specific Standard |
| HQ Plume | Potentially Usable Quality | Alluvium | <i>Trichloroethylene</i> | 11 µg/l |
| | | | <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 17th Avenue | Potentially Usable Quality | Alluvium | <i>Trichloroethylene</i> | 12 µg/l |
| Main Plume 11th Ave to 17th Avenue | | | <i>1,4 Dioxane</i> | 3.2 µg/l |
| Main Plume | Potentially Usable Quality | Alluvium | <i>Trichloroethylene</i> | 12 µg/l |
| | | | <i>1,4 Dioxane</i> | 3.2 µg/l |
| | | 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 50.00 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.

(55) OIL AND GAS FIELDS OF LARIMER, WELD, BOULDER, BROOMFIELD, ADAMS, DENVER, JEFFERSON, AND ARAPAHOE COUNTIES, COLORADO

(a) Specified Area: The confined groundwater within the Admire, Amazon, Council Grove, Missouri, Atoka, Blaine, D Sand, Dakota, Denver Basin Combined Disposal Zone, Entrada, J Sand, and Lyons Formations underlying the area within one mile of the following points expressed in latitudes and longitudes. These areas are included in Figure 55 on page 111.

| <u>Latitude/ Longitude</u> | <u>Latitude/ Longitude</u> | <u>Latitude/ Longitude</u> |
|--|--|--|
| <u>39.60821, -104.18232</u> | <u>40.20999, -104.71662</u> | <u>40.61325, -104.035203</u> |
| <u>39.620692, -104.325724</u> | <u>40.21683, -104.71985</u> | <u>40.61353, -104.137548</u> |
| <u>39.75233, -104.03303</u> | <u>40.2202, -104.34536</u> | <u>40.63478, -104.109167</u> |
| <u>39.77477, -103.9422</u> | <u>40.23112, -104.5949</u> | <u>40.63974, -104.06681</u> |
| <u>39.80714, -104.12067</u> | <u>40.28085, -</u> <u>104.6948840.2739,-</u> <u>104.69397</u> | <u>40.6398, -</u> <u>104.0507140.63977,-</u> <u>104.06021</u> |
| <u>39.84491, -104.42586</u> | <u>40.28776, -104.67896</u> | <u>40.6938, -103.8507</u> |
| <u>39.869842, -103.745884</u> | <u>40.28409, -</u> <u>104.7375640.297707,-</u> <u>104.750232</u> | <u>40.724926, -104.289846</u> |
| <u>39.88509, -104.36927</u> | <u>40.29801, -104.7498</u> | <u>40.74838, -</u> <u>103.9901540.748568,-</u> <u>103.990383</u> |
| <u>39.89082, -104.70847</u> | <u>40.320297, -104.566164</u> | <u>40.76933, -104.21866</u> |
| <u>40.01614, -</u> <u>104.8975740.01617,-</u> <u>104.89653</u> | <u>40.31398, -</u> <u>104.5653440.32065,-</u> <u>104.5658</u> | <u>40.80769, -</u> <u>103.8298340.808551,-</u> <u>103.829968</u> |
| <u>40.016564, -104.887081</u> | <u>40.32083, -104.5664</u> | <u>40.81804, -</u> <u>103.7940940.818864,-</u> <u>103.794093</u> |
| <u>40.02249, -</u> <u>104.9031140.022538,-</u> <u>104.889127</u> | <u>40.36575, -104.18842</u> | <u>40.82061, -104.16246</u> |
| <u>40.025055, -104.816566</u> | <u>40.36876, -</u> <u>104.4158740.36952,-</u> <u>104.41591</u> | <u>40.8265, -104.14517</u> |
| <u>40.10297, -104.5828</u> | <u>40.37589, -104.6125</u> | <u>40.83597, -104.16035</u> |
| <u>40.10854, -</u> <u>104.565540.10772,-</u> | <u>40.4383, -104.628</u> | <u>40.89365, -</u> <u>104.3457540.89378,-</u> |

| | | |
|--|--|---|
| <u>104.57564</u> | | <u>104.33552</u> |
| <u>40.11794, -</u> <u>104.6054340.117601,-</u> <u>104.605522</u> | <u>40.47566, -104.17332</u> | <u>40.89393, -104.33553</u> |
| <u>40.125494, -</u> <u>104.88330940.1254,-</u> <u>104.88537</u> | <u>40.4897, -104.47285</u> | <u>40.9556, -</u> <u>104.3621340.955617,-</u> <u>104.362222</u> |
| <u>40.119597, -</u> <u>104.86556640.12545,-</u> <u>104.88537</u> | <u>40.5298, -</u> <u>104.4135840.52414,-</u> <u>104.41437</u> | <u>40.96828, -103.661653</u> |
| <u>40.124017, -</u> <u>104.90269240.12551,-</u> <u>104.88537</u> | <u>40.52414, -104.41672</u> | <u>40.976305, -103.661501</u> |
| <u>40.13705, -104.47264</u> | <u>40.52514, -104.62801</u> | <u>40.979434, -103.656559</u> |
| <u>40.126612, -</u> <u>104.46424540.13715,-</u> <u>104.47259</u> | <u>40.53558, -</u> <u>104.6236540.52524,-</u> <u>104.62813</u> | <u>40.97972, -103.66626</u> |
| <u>40.13947, -104.46355</u> | <u>40.59307, -104.528182</u> | <u>40.982843, -103.661408</u> |
| <u>40.19162, -</u> <u>104.7128140.19165,-</u> <u>104.70546</u> | <u>40.60263, -104.02873</u> | |
| <u>40.19204, -104.69897</u> | <u>40.60989, -104.03454</u> | - |

(b) Classifications: The classification of the groundwater in these formations is:

- Limited Use and Quality

(c) Groundwater Quality Standards: The groundwater quality standards included in Table 1 through 4 of the Basic Standards for Groundwater 41.0 (5 CCR 1002-41) will not apply to the confined groundwater of these formations within the specified area.

The groundwater organic chemical standards included in Table A of the section 41.5.C.3 of the Basic Standards for Groundwater (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the groundwater 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 intrinsically derived from primary field operations associated with the exploration, development, or production of crude oil and natural gas, otherwise all standards from Table A apply.

(56) OIL AND GAS FIELDS OF MORGAN, LOGAN, SEDGWICK, PHILLIPS, WASHINGTON, AND YUMA COUNTIES, COLORADO

(a) Specified Area: The confined groundwater within the D Sand, Dakota, Fountain, J Sand, J-3 Sand, Lakota, Lower Satanka, Morrison, Lansing, Kansas City, Lyons, Marmaton, Morrison, Niobrara, Regan, Virgil, and Wolf Camp formations underlying the area within one mile of the following latitudes and longitudes. These areas are included in Figure 56 on page 112.

| <u>Latitude/ Longitude</u> | <u>Latitude/ Longitude</u> | <u>Latitude/ Longitude</u> |
|---|---|-----------------------------|
| <u>39.58185, -103.38546</u> <u>37.02281, -104.83255</u> | <u>39.888925, -</u> <u>102.865565</u> <u>37.19594, -</u> <u>104.67421</u> | <u>40.11932, -104.08688</u> |
| <u>39.59581, -103.37951</u> <u>37.0233, -104.78275</u> | <u>39.90152, -102.4707</u> <u>37.20633, -104.898526</u> | <u>40.13644, -103.16763</u> |
| <u>39.6681, -102.165723</u> <u>37.0687, -104.92571</u> | <u>39.91919, -102.22375</u> <u>37.21621, -104.78017</u> | <u>40.1381, -102.84531</u> |
| <u>39.673339, -102.233444</u> <u>37.09282, -104.73615</u> | <u>39.929391, -</u> <u>102.314463</u> <u>37.22741, -</u> <u>104.69844</u> | <u>40.15598, -103.36565</u> |
| <u>39.67957, -102.28272</u> <u>37.09594, -104.61552</u> | <u>39.976429, -</u> <u>102.354501</u> <u>37.25324, -</u> <u>104.66298</u> | <u>40.18258, -103.82077</u> |
| <u>39.704642, -103.361011</u> <u>37.1031, -104.98617</u> | <u>40.00713, -103.290579</u> <u>37.25924, -104.92553</u> | <u>40.18601, -103.16911</u> |
| <u>39.713938, -102.209939</u> <u>37.112446, -104.337833</u> | <u>40.01565, -102.43764</u> <u>37.29085, -104.82886</u> | <u>40.195, -103.82225</u> |
| <u>39.715231, -102.2426</u> <u>37.11612, -104.68325</u> | <u>40.01609, -102.52394</u> <u>37.29984, -104.72925</u> | <u>40.19719, -103.20139</u> |
| <u>39.777627, -103.43058</u> <u>37.13313, -104.69708</u> | <u>40.022996, -</u> <u>102.175297</u> <u>37.30479, -</u> <u>104.78297</u> | <u>40.22283, -103.10571</u> |
| <u>39.79748, -103.2155</u> <u>37.15063, -104.85969</u> | <u>40.02669, -102.37825</u> <u>37.65584, -105.18078</u> | <u>40.22688, -102.35798</u> |
| <u>39.802816, -103.054906</u> <u>37.16013, -104.79724</u> | <u>40.0402, -103.38469</u> | <u>40.22797, -103.5493</u> |
| <u>39.809616, -102.922843</u> | <u>40.05836, -103.3842</u> | <u>40.23354, -102.21216</u> |

| | | |
|-------------------------------|-------------------------------|-----------------------------|
| <u>39.810767, -102.930527</u> | <u>40.066971, -102.400034</u> | <u>40.25355, -102.60833</u> |
| <u>39.813579, -102.941694</u> | <u>40.07338, -102.32035</u> | <u>40.25567, -102.45912</u> |
| <u>39.81592, -102.93014</u> | <u>40.07355, -102.56954</u> | <u>40.26883, -102.42858</u> |
| <u>39.81804, -102.48914</u> | <u>40.10294, -103.32376</u> | <u>40.29036, -102.61721</u> |
| <u>40.317923, -102.455947</u> | <u>40.44019, -102.35947</u> | <u>40.74218, -102.13088</u> |
| <u>40.37238, -102.51082</u> | <u>40.55598, -102.32208</u> | <u>40.96291, -102.54341</u> |
| <u>40.381154, -102.274502</u> | <u>40.6709, -102.1946</u> | |

(b) Classifications: The classification of the groundwater in these Formations is:

- Limited Use and Quality

(c) Groundwater Quality Standards: The groundwater quality standards included in Table 1 through 4 of the Basic Standards for Groundwater 41.0 (5 CCR 1002-41) will not apply to the confined groundwater of these formations within the specified area.

The groundwater organic chemical standards included in Table A of the section 41.5.C.3 of the Basic Standards for Groundwater (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the groundwater 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 intrinsically derived from primary field operations associated with the exploration, development, or production of crude oil and natural gas, otherwise all standards from Table A apply.

(57) OIL AND GAS FIELDS OF DOUGLAS, ELBERT, LINCOLN, KIT CARSON, EL PASO, CHEYENNE, PUBELO, FREMONT, CROWLEY, KIOWA, OTERO, BENT, PROWERS, AND BACA COUNTIES, COLORADO

(a) Specified Area: The confined groundwater within the Arbuckle, Atoka, Ceder Hills, Cherokee, J Sand, Keyes, Lansing, Kansas City, Lyons, Marmaton, Mississippian, Morrow, Osage, Simpson, Spergen, Topeka, Wabaunsee, Warsaw, and St Joe Formations underlying the area within one mile of the following latitudes and longitudes. These areas are included in Figure 57 on page 113.

| <u>Latitude/ Longitude</u> | <u>Latitude/ Longitude</u> | <u>Latitude/ Longitude</u> |
|-------------------------------|----------------------------|----------------------------|
| <u>37.114207, -102.182279</u> | <u>38.60726, -102.7447</u> | <u>38.9406, -102.17244</u> |

| | | |
|-------------------------------|-------------------------------|-------------------------------|
| <u>37.114207, -102.182636</u> | <u>38.66704, -102.50777</u> | <u>38.9411, -102.17841</u> |
| <u>37.156613, -102.279001</u> | <u>38.681802, -102.413502</u> | <u>38.9645, -102.50232</u> |
| <u>38.36436, -102.31397</u> | <u>38.72459, -102.53347</u> | <u>39.0107, -103.23166</u> |
| <u>38.41314, -102.47106</u> | <u>38.76729, -102.39513</u> | <u>39.0217, -103.27255</u> |
| <u>38.413637, -102.443583</u> | <u>38.78962, -102.38061</u> | <u>39.0218, -103.27713</u> |
| <u>38.417051, -102.439426</u> | <u>38.82221, -102.064959</u> | <u>39.09372, -102.52811</u> |
| <u>38.427871, -103.017976</u> | <u>38.85892, -103.56356</u> | <u>39.15871, -103.5777</u> |
| <u>38.43131, -102.48017</u> | <u>38.86533, -102.36805</u> | <u>39.16983, -102.4435</u> |
| <u>38.449529, -102.425447</u> | <u>38.87939, -102.33112</u> | <u>39.16994, -103.3729</u> |
| <u>38.457213, -102.425389</u> | <u>38.884398, -102.073721</u> | <u>39.17317, -103.58226</u> |
| <u>38.464, -102.67829</u> | <u>38.89058, -102.30781</u> | <u>39.20963, -103.62828</u> |
| <u>38.51632, -102.076454</u> | <u>38.89525, -102.25985</u> | <u>39.249543, -103.712168</u> |
| <u>38.518887, -102.094684</u> | <u>38.92804, -102.18186</u> | <u>39.52291, -103.41915</u> |
| <u>38.52907, -102.44091</u> | <u>38.93033, -103.41655</u> | <u>39.5274, -103.41428</u> |
| <u>38.59824, -102.74739</u> | <u>38.9354, -102.17292</u> | <u>39.53389, -103.4189</u> |
| <u>38.60723, -102.73716</u> | - | - |

(b) Classifications: The classification of the groundwater in these formations is:

- Limited Use and Quality

(c) Groundwater Quality Standards: The groundwater quality standards included in Table 1 through 4 of the Basic Standards for Groundwater 41.0 (5 CCR 1002-41) will not apply to the confined groundwater of these formations within the specified area.

The groundwater organic chemical standards included in Table A of the section 41.5.C.3 of the Basic Standards for Groundwater (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the groundwater 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 intrinsically derived from primary field operations associated with the exploration, development, or production of crude oil and natural gas, otherwise all standards from Table A apply.

(58) OIL AND GAS FIELDS OF SAUGUACHE, RIO GRANDE, ALAMOSA, HUERFANO, COSTILLA, AND LAS ANIMAS COUNTIES, COLORADO

(a) Specified Area: The confined groundwater within the Apishapa, Dakota, Dockum, Entrada, Purgatorie, and Dockus Formations underlying the area within one mile of the following latitudes and longitudes. These areas are included in Figure 58 on page 114.

| <u>Latitude/ Longitude</u> | <u>Latitude/ Longitude</u> |
|--|--|
| <u>37.02281, -104.83255</u> <u>37.006324, -107.927951</u> | <u>37.16013, -104.79724</u> <u>37.072197, -107.537786</u> |
| <u>37.0233, -104.78275</u> <u>37.012409, -108.103584</u> | <u>37.19594, -104.67421</u> <u>37.073257, -107.990024</u> |
| <u>37.0687, -104.92571</u> <u>37.01614, -107.664718</u> | <u>37.20633, -104.898526</u> <u>37.079314, -107.933402</u> |
| <u>37.09282, -104.73615</u> <u>37.01683, -107.812262</u> | <u>37.21621, -104.78017</u> <u>37.110708, -108.071601</u> |
| <u>37.09594, -104.61552</u> <u>37.029068, -107.454968</u> | <u>37.22741, -104.69844</u> <u>37.11102, -107.38548</u> |
| <u>37.1031, -104.98617</u> <u>37.03125, -108.12316</u> | <u>37.25324, -104.66298</u> <u>37.11363, -107.76532</u> |
| <u>37.112446, -104.337833</u> <u>37.03584, -107.752744</u> | <u>37.25924, -104.92553</u> <u>37.128716, -107.829904</u> |
| <u>37.11612, -104.68325</u> <u>37.045615, -108.114562</u> | <u>37.29085, -104.82886</u> <u>37.129542, -107.771592</u> |
| <u>37.13313, -104.69708</u> <u>37.049733, -107.898735</u> | <u>37.29984, -104.72925</u> <u>37.1304, -108.0406</u> |
| <u>37.15063, -104.85969</u> <u>37.056222, -107.626236</u> | <u>37.30479, -104.78297</u> <u>37.135318, -107.889249</u> |
| <u>37.061756, -107.856344</u> | <u>37.14461, -107.97116</u> |
| <u>37.065566, -107.512026</u> | <u>37.172887, -107.897749</u> |
| <u>37.065683, -107.817539</u> | <u>37.173386, -107.64186</u> |

(b) Classifications: The classification of the groundwater in these formations is:

- Limited Use and Quality

(c) Groundwater Quality Standards: The groundwater quality standards included in Table 1 through 4 of the Basic Standards for Groundwater 41.0 (5 CCR 1002-41) will not apply to the confined groundwater of these formations within the specified area.

The groundwater organic chemical standards included in Table A of the section 41.5.C.3 of the Basic Standards for Groundwater (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the groundwater 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 intrinsically derived from primary field operations associated with the exploration, development, or production of crude oil and natural gas, otherwise all standards from Table A apply.

(59) OIL AND GAS FIELDS OF LA PLATA AND ARCHULETA COUNTIES, COLORADO

(a) Specified Area: The confined groundwater within the Bluff Sandstone, Entrada, Burro Canyon, Cliff House, Dakota, Morrison, Fruitland Coal, Lewis Shale, Pictured Cliffs, and Point Lookout Formations underlying the area within one mile of the following latitudes and longitudes. These areas are included in Figure 59 on page 115.

| <u>Latitude/ Longitude</u> | <u>Latitude/ Longitude</u> |
|--|--|
| <u>37.21553, -107.630964 *</u> 37.20854, -109.042823 | <u>37.253829, -107.802101</u> 37.193488, -109.04167 |
| <u>37.215631, -107.631485 *</u> 37.23511, -109.011413 | <u>37.261693, -107.799793</u> 37.524157, -108.803256 |
| <u>37.217134, -107.565823 *</u> 37.241989, -109.020183 | <u>37.264746, -107.561634</u> 37.54115, -108.95168 |
| <u>37.23028, -107.75666</u> 37.455304, -108.901599 | <u>37.273754, -107.608827</u> 37.559758, -108.83033 |
| <u>37.23455, -107.74417</u> 37.464188, -108.721343 | <u>37.58575, -109.00764</u> |
| <u>37.46546, -108.92843</u> | <u>38.0364, -108.62491</u> |

~~37.52239, -108.93618~~

* This 1-mile buffer will end at the external boundary of the Reservation.

(b) Classifications: The classification of the groundwater in these formations is:

- Limited Use and Quality

(c) Groundwater Quality Standards: The groundwater quality standards included in Table 1 through 4 of the Basic Standards for Groundwater 41.0 (5 CCR 1002-41) will not apply to the confined groundwater of these formations within the specified area.

The groundwater organic chemical standards included in Table A of the section 41.5.C.3 of the Basic Standards for Groundwater (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the groundwater 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 intrinsically derived from primary field operations associated with the exploration, development, or production of crude oil and natural gas, otherwise all standards from Table A apply.

(60) OIL AND GAS FIELDS OF MONTROSE, SAN MIGUEL, DOLORES, AND MONTEZUMA COUNTIES, COLORADO

(a) Specified Area: The confined groundwater within the Cambrian, Cutler, Desert Creek, Ismay, and Leadville Formations underlying the area within one mile of the following latitudes and longitudes. These areas are included in Figure 60 on page 116.

| <u>Latitude/ Longitude</u> | <u>Latitude/ Longitude</u> | <u>Latitude/ Longitude</u> |
|---|-----------------------------------|---------------------------------|
| 37.241989, -109.020183 * 38.997745, -107.850925 | 39.49852, -107.967375 | 39.88416, -108.19091 |
| 37.46546, -108.92843 39.017605, -107.379825 | 39.505641, -107.89776 | 39.88453, -108.18307 |
| 37.52239, -108.93618 39.027911, -107.509919 | 39.506339, -107.893195 | 39.88547, -108.24451 |
| 37.5553535, - 108.9516837.54115,- 108.95168 39.08221,- 107.40345 | 39.508781, -107.556241 | 39.88967, -108.21526 |
| 37.58575, -109.00764 | 39.509626, -107.893953 | 39.88974, -108.2078 |

| | | |
|--|-----------------------------------|-----------------------------------|
| 39.1905, -107.90314 | | |
| 38.0364, -108.62491 39.20637, -107.9174 | 39.509646, -107.893854 | 39.88989, -108.19819 |
| 39.230342, -108.17023 | 39.50975, -108.17372 | 39.89064, -108.23195 |
| 39.233839, -107.765692 | 39.511093, -107.920509 | 39.89134, -108.25097 |
| 39.27175, -107.75386 | 39.525654, -107.64256 | 39.89429, -108.2247 |
| 39.277951, -108.206462 | 39.531123, -107.653224 | 39.89473, -108.20599 |
| 39.28929, -107.84666 | 39.541718, -107.572606 | 39.89475, -108.24192 |
| 39.29646, -107.7269 | 39.54649, -108.2305 | 39.8979, -108.21536 |
| 39.31355, -108.93205 | 39.5551, -108.23276 | 39.90278, -108.27148 |
| 39.32072, -108.12222 | 39.579864, -108.191601 | 39.90337, -108.23502 |
| 39.337666, -108.116958 | 39.610687, -108.144927 | 39.90342, -108.22119 |
| 39.35571, -108.13609 | 39.610701, -108.144969 | 39.92981, -109.04773 |
| 39.364576, -108.388351 | 39.621644, -108.414161 | 39.950904, -108.768701 |
| 39.37168, -107.73409 | 39.621672, -108.414169 | 39.981457, -108.476522 |
| 39.37174, -107.73408 | 39.621725, -108.414186 | 39.98787, -108.40366 |
| 39.37175, -107.73418 | 39.632602, -108.421378 | 40.00293, -108.3374 |
| 39.375194, -107.559121 | 39.632618, -108.42135 | 40.08295, -108.610272 |
| 39.383563, -108.021628 | 39.632619, -108.421394 | 40.08896, -108.84821 |
| 39.389471, -108.25443 | 39.632634, -108.421365 | 40.089325, -108.814949 |
| 39.389486, -108.131001 | 39.632791, -108.421494 | 40.089392, -108.796227 |
| 39.390874, -108.135873 | 39.670018, -108.10027 | 40.08941, -108.791549 |
| 39.393606, -108.13484 | 39.670053, -108.100224 | 40.089582, -108.787075 |
| 39.397421, -108.130812 | 39.670093, -108.10017 | 40.090328, -108.870572 |
| 39.398778, -108.073042 | 39.670132, -108.100119 | 40.090393, -108.874283 |
| 39.403786, -108.075852 | 39.675797, -108.138626 | 40.09048, -108.864846 |

| | | |
|----------------------------------|----------------------------------|----------------------------------|
| 39.420635, 108.059997 | 39.681302, 108.14277 | 40.09205, 108.84812 |
| 39.432303, 108.069297 | 39.693111, 108.098612 | 40.10706, 108.224253 |
| 39.433335, 108.023363 | 39.693118, 108.098681 | 40.110929, 108.186874 |
| 39.4584, 107.90635 | 39.693126, 108.098753 | 40.211693, 107.4554 |
| 39.459959, 108.013783 | 39.693136, 108.098823 | 40.21262, 108.27639 |
| 39.46009, 107.541335 | 39.72317, 109.02753 | 40.28414, 108.02976 |
| 39.468636, 108.056014 | 39.72349, 109.0314 | 40.28772, 108.04491 |
| 39.468686, 108.056095 | 39.72736, 109.04148 | 40.332203, 107.605007 |
| 39.474883, 108.065923 | 39.785069, 108.240815 | 40.35006, 108.0929 |
| 39.475669, 108.180217 | 39.792945, 108.280557 | 40.35346, 108.4443 |
| 39.476031, 108.173303 | 39.815622, 108.76257 | 40.479043, 107.493367 |
| 39.476389, 108.060918 | 39.828981, 108.85607 | 40.54016, 106.391286 |
| 39.47913, 108.060723 | 39.8465, 108.23279 | 40.547043, 106.41017 |
| 39.481263, 107.631292 | 39.84741, 108.47646 | 40.57381, 106.38221 |
| 39.48859, 107.72164 | 39.84935, 108.48774 | 40.583851, 106.400143 |
| 39.48879, 107.61057 | 39.852514, 108.494244 | 40.693772, 107.570308 |
| 39.489332, 108.248598 | 39.852963, 108.478994 | 40.694429, 107.569869 |
| 39.490044, 107.600313 | 39.85722, 108.47422 | 40.90408, 107.59907 |
| 39.495571, 107.678494 | 39.857368, 108.328057 | 40.972269, 108.332872 |
| 39.495919, 107.977692 | 39.859753, 108.465272 | 40.9912, 107.9184 |
| 39.496714, 107.989134 | 39.8743, 108.2222 | 40.993496, 108.694141 |
| 39.498003, 108.016328 | 39.87843, 108.18786 | = |

* This 1-mile buffer will end at the external boundary of the Reservation.

(b) Classifications: The classification of the groundwater in these formations is:

- Limited Use and Quality

(c) Groundwater Quality Standards: The groundwater quality standards included in Table 1 through 4 of the Basic Standards for Groundwater 41.0 (5 CCR 1002-41) will not apply to the confined groundwater of these formations within the specified area.

The groundwater organic chemical standards included in Table A of the section 41.5.C.3 of the Basic Standards for Groundwater (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the groundwater 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 intrinsically derived from primary field operations associated with the exploration, development, or production of crude oil and natural gas, otherwise all standards from Table A apply.

(61) OIL AND GAS FIELDS OF MOFFAT, ROUTT, JACKSON, GRAND, RIO BLANCO, GARFIELD, MESA, DELTA, PITKIN, AND GUNNISON COUNTIES, COLORADO

(a) Specified Area: The confined groundwater within the Cameo Coal, Castlegate, Corcoran, Cozette, Dakota, Douglas Creek, Entrada, Fort Union, Iles, Lance, Loyd Sandstone, Mancos, Maroon, Morapos, Morrison, Navajo, Niobrara, Ohio Creek, Segoo, Sundance, Wasatch, Weber, and Williams Fork Formations underlying the area within one mile of the following latitudes and longitudes. These areas are included in Figure 61 on page 117.

| <u>Latitude/ Longitude</u> | <u>Latitude/ Longitude</u> | <u>Latitude/ Longitude</u> |
|---|---|--|
| <u>38.997745, -107.850925</u> <u>39.58185, -103.38546</u> | <u>39.36598, -</u> <u>107.7343439.37175,-</u> <u>107.73418 39.929391,-</u> <u>102.314463</u> | <u>39.47566, -</u> <u>108.1802539.475669,-</u> <u>108.180217 40.195,-</u> <u>103.82225</u> |
| <u>39.017605, -107.379825</u> <u>39.59581, -103.37951</u> | <u>39.375194, -107.559121</u> <u>39.976429, -102.354501</u> | <u>39.4764, -</u> <u>108.1745239.476031,-</u> <u>108.173303 40.19719,-</u> <u>103.20139</u> |
| <u>39.027911, -107.509919</u> <u>39.6681, -102.165723</u> | <u>39.38204, -</u> <u>108.0205839.383563,-</u> <u>108.021628 40.00713,-</u> <u>103.290579</u> | <u>39.47702, -</u> <u>108.0607439.476389,-</u> <u>108.060918 40.22283,-</u> <u>103.10571</u> |
| <u>39.08221, -107.40345</u> <u>39.673339, -102.233444</u> | <u>39.389471, -108.25443</u> <u>40.01565, -102.43764</u> | <u>39.47921, -</u> <u>108.0639239.47913,-</u> <u>108.060723 40.22688,-</u> <u>102.35798</u> |
| <u>39.19544, -</u> <u>107.90439.1905,-</u> <u>107.90314 39.67957,-</u> <u>102.28272</u> | <u>39.38785, -</u> <u>108.1307639.389486,-</u> <u>108.131001 40.01609,-</u> <u>102.52394</u> | <u>39.48072, -</u> <u>107.6315439.481263,-</u> <u>107.631292 40.22797,-</u> <u>103.5493</u> |

| | | |
|--|--|--|
| <u>39.20637, -107.9174</u> <u>39.704642, 103.361011</u> | <u>39.38858, -</u> <u>108.1405939.390874,-</u> <u>108.135873 40.022996,-</u> <u>102.175297</u> | <u>39.48859, -107.72164</u> <u>40.23354, 102.21216</u> |
| <u>39.230342, -108.17023</u> <u>39.713938, 102.209939</u> | <u>39.39361, -</u> <u>108.134939.393606,-</u> <u>108.13484 40.02669,-</u> <u>102.37825</u> | <u>39.49066, -</u> <u>107.6082139.48879,-</u> <u>107.61057 40.25355,-</u> <u>102.60833</u> |
| <u>39.233839, -107.765692</u> <u>39.715231, 102.2426</u> | <u>39.40084, -</u> <u>108.1359239.397421,-</u> <u>108.130812 40.0402,-</u> <u>103.38469</u> | <u>39.489332, -108.248598</u> <u>40.25567, 102.45912</u> |
| <u>39.26777, -</u> <u>107.75939.27175,-</u> <u>107.75386 39.777627,-</u> <u>103.43058</u> | <u>39.39898, -</u> <u>108.0747939.398778,-</u> <u>108.073042 40.05836,-</u> <u>103.3842</u> | <u>39.48956, -</u> <u>107.6002439.490044,-</u> <u>107.600313 40.26883,-</u> <u>102.42858</u> |
| <u>39.277951, -108.206462</u> <u>39.79748, 103.2155</u> | <u>39.40368, -</u> <u>108.0746739.403786,-</u> <u>108.075852 40.066971,-</u> <u>102.400034</u> | <u>39.49461, -</u> <u>107.6784939.495571,-</u> <u>107.678494 40.29036,-</u> <u>102.61721</u> |
| <u>39.28535, -</u> <u>107.84439.28929,-</u> <u>107.84666 39.802816,-</u> <u>103.054906</u> | <u>39.420635, -108.059997</u> <u>40.07338, -102.32035</u> | <u>39.49929, -</u> <u>107.9786839.495919,-</u> <u>107.977692 40.317923,-</u> <u>102.455947</u> |
| <u>39.29646, -107.7269</u> <u>39.809616, 102.922843</u> | <u>39.43221, -</u> <u>108.0694139.432303,-</u> <u>108.069297 40.07355,-</u> <u>102.56954</u> | <u>39.49811, -</u> <u>107.9887939.496714,-</u> <u>107.989134 40.37238,-</u> <u>102.51082</u> |
| <u>39.31355, -108.93205</u> <u>39.810767, 102.930527</u> | <u>39.43327, -</u> <u>108.0235639.433335,-</u> <u>108.023363 40.10294,-</u> <u>103.32376</u> | <u>39.498003, -108.016328</u> <u>40.381154, 102.274502</u> |
| <u>39.32072, -108.12222</u> <u>39.813579, 102.941694</u> | <u>39.4588, -</u> <u>107.9068939.4584,-</u> <u>107.90635 40.11932,-</u> <u>104.08688</u> | <u>39.49852, -107.967375</u> <u>40.44019, 102.35947</u> |
| <u>39.337666, -108.116958</u> <u>39.81592, 102.93014</u> | <u>39.45583, -</u> <u>108.0165939.459959,-</u> <u>108.013783 40.13644,-</u> | <u>39.50093, -</u> <u>107.8980839.505641,-</u> <u>107.89776 40.55598,-</u> |

| | <u>103.16763</u> | <u>102.32208</u> |
|---|---|---|
| <u>39.35571, -</u> <u>108.1361339.35571,-</u> <u>108.13609 39.81804,-</u> <u>102.48914</u> | <u>39.46009, -107.541335</u> <u>40.1381, 102.84531</u> | <u>39.50627, -</u> <u>107.8951739.506339,-</u> <u>107.893195 40.6709,-</u> <u>102.1946</u> |
| <u>39.364576, -108.388351</u> <u>39.888925, 102.865565</u> | <u>39.46365, -</u> <u>108.0530339.468636,-</u> <u>108.056014 40.15598,-</u> <u>103.36565</u> | <u>39.50824, -</u> <u>107.5592539.508781,-</u> <u>107.556241 40.74218,-</u> <u>102.13088</u> |
| <u>39.37115, -</u> <u>107.7292439.37168,-</u> <u>107.73409 39.90152,-</u> <u>102.4707</u> | <u>39.46689, -</u> <u>108.0631339.468686,-</u> <u>108.056095 40.18258,-</u> <u>103.82077</u> | <u>39.5083, -</u> <u>107.8958339.509626,-</u> <u>107.893953 40.96291,-</u> <u>102.54341</u> |
| <u>39.37669, -</u> <u>107.735139.37174,-</u> <u>107.73408 39.91919,-</u> <u>102.22375</u> | <u>39.474883, -108.065923</u> <u>40.18601, 103.16911</u> | <u>39.509646, -107.893854</u> |
| <u>39.51098, -</u> <u>108.1711639.50975,-</u> <u>108.17372</u> | <u>39.61227, -</u> <u>108.1479239.610701,-</u> <u>108.144969</u> | <u>39.66879, -</u> <u>108.1018639.670018,-</u> <u>108.10027</u> |
| <u>39.51026, -</u> <u>107.9288939.511093,-</u> <u>107.920509</u> | <u>39.62014, -</u> <u>108.4233239.621644,-</u> <u>108.414161</u> | <u>39.67184, -</u> <u>108.0890739.670053,-</u> <u>108.100224</u> |
| <u>39.52764, -</u> <u>107.6395239.525654,-</u> <u>107.64256</u> | <u>39.62323, -</u> <u>108.4050339.621672,-</u> <u>108.414169</u> | <u>39.67459, -</u> <u>108.1017939.670093,-</u> <u>108.10017</u> |
| <u>39.53227, -</u> <u>107.6558239.531123,-</u> <u>107.653224</u> | <u>39.621725, -108.414186</u> | <u>39.6777, -</u> <u>108.0890939.670132,-</u> <u>108.100119</u> |
| <u>39.54794, -</u> <u>107.5669739.541718,-</u> <u>107.572606</u> | <u>39.62648, -</u> <u>108.4216739.632602,-</u> <u>108.421378</u> | <u>39.675797, -108.138626</u> |
| <u>39.54649, -108.2305</u> | <u>39.6313, -</u> <u>108.4136639.632618,-</u> <u>108.42135</u> | <u>39.67992, -</u> <u>108.1486739.681302,-</u> <u>108.14277</u> |
| <u>39.5551, -108.23276</u> | <u>39.63507, -</u> <u>108.428339.632619,-</u> | <u>39.69138, -</u> <u>108.0890139.693111,-</u> |

| | | |
|--|--|--|
| | <u>108.421394</u> | <u>108.098612</u> |
| <u>39.5793, -</u> <u>108.1865939.579864,-</u> <u>108.191601</u> | <u>39.63477, -</u> <u>108.4140639.632634,-</u> <u>108.421365</u> | <u>39.68406, -</u> <u>108.0891339.693118,-</u> <u>108.098681</u> |
| <u>39.61243, -</u> <u>108.1525939.610687,-</u> <u>108.144927</u> | <u>39.63477, -</u> <u>108.4140639.632791,-</u> <u>108.421494</u> | <u>39.68039, -</u> <u>108.1018439.693126,-</u> <u>108.098753</u> |
| <u>39.693136, -108.098823</u> | <u>39.72736, -109.04148</u> | <u>39.815622, -108.76257</u> |
| <u>39.72317, -109.02753</u> | <u>39.785069, -108.240815</u> | <u>39.828981, -108.85607</u> |
| <u>39.72349, -109.0314</u> | <u>39.79422, -</u> <u>108.2777239.792945,-</u> <u>108.280557</u> | <u>39.8465, -108.23279</u> |
| <u>39.84741, -108.47646</u> | <u>39.87843, -108.18786</u> | <u>39.8922, -</u> <u>108.2507739.89134,-</u> <u>108.25097</u> |
| <u>39.84935, -108.48774</u> | <u>39.88416, -108.19091</u> | <u>39.89429, -108.2247</u> |
| <u>39.852514, -108.494244</u> | <u>39.88453, -108.18307</u> | <u>39.89473, -108.20599</u> |
| <u>39.852963, -108.478994</u> | <u>39.88547, -108.24451</u> | <u>39.89475, -108.24192</u> |
| <u>39.85722, -108.47422</u> | <u>39.88967, -108.21526</u> | <u>39.8979, -108.21536</u> |
| <u>39.857368, -108.328057</u> | <u>39.88974, -108.2078</u> | <u>39.90278, -108.27148</u> |
| <u>39.859753, -108.465272</u> | <u>39.88989, -108.19819</u> | <u>39.90337, -108.23502</u> |
| <u>39.8743, -108.2222</u> | <u>39.89064, -108.23195</u> | <u>39.90342, -108.22119</u> |
| <u>39.92813, -</u> <u>109.0477339.92981,-</u> <u>109.04773</u> | <u>40.089582, -108.787075</u> | <u>40.28772, -108.04491</u> |
| <u>39.950904, -108.768701</u> | <u>40.090328, -108.870572</u> | <u>40.332203, -107.605007</u> |
| <u>39.981457, -108.476522</u> | <u>40.090393, -108.874283</u> | <u>40.35002, -</u> <u>108.0933240.35006,-</u> <u>108.0929</u> |
| <u>39.98787, -108.40366</u> | <u>40.09048, -108.864846</u> | <u>40.35047, -</u> <u>108.4461640.35346,-</u> |

| | | |
|-------------------------------|-------------------------------|--|
| | | <u>108.4443</u> |
| <u>40.00293, -108.3374</u> | <u>40.09205, -108.84812</u> | <u>40.47962, -</u> <u>107.4892440.479043,-</u> <u>107.493367</u> |
| <u>40.08295, -108.610272</u> | <u>40.10706, -108.224253</u> | <u>40.54163, -</u> <u>106.390740.54016,-</u> <u>106.391286</u> |
| <u>40.08896, -108.84821</u> | <u>40.110929, -108.186874</u> | <u>40.54691, -</u> <u>106.4101440.547043,-</u> <u>106.41017</u> |
| <u>40.089325, -108.814949</u> | <u>40.211693, -107.4554</u> | <u>40.58421, -</u> <u>106.3811640.57381,-</u> <u>106.38221</u> |
| <u>40.089392, -108.796227</u> | <u>40.21262, -108.27639</u> | <u>40.58382, -</u> <u>106.4011240.583851,-</u> <u>106.400143</u> |
| <u>40.08941, -108.791549</u> | <u>40.28414, -108.02976</u> | <u>40.693772, -107.570308</u> |
| <u>40.694429, -107.569869</u> | <u>40.972269, -108.332872</u> | <u>40.993496, -108.694141</u> |
| <u>40.90408, -107.59907</u> | <u>40.9912, -107.9184</u> | |

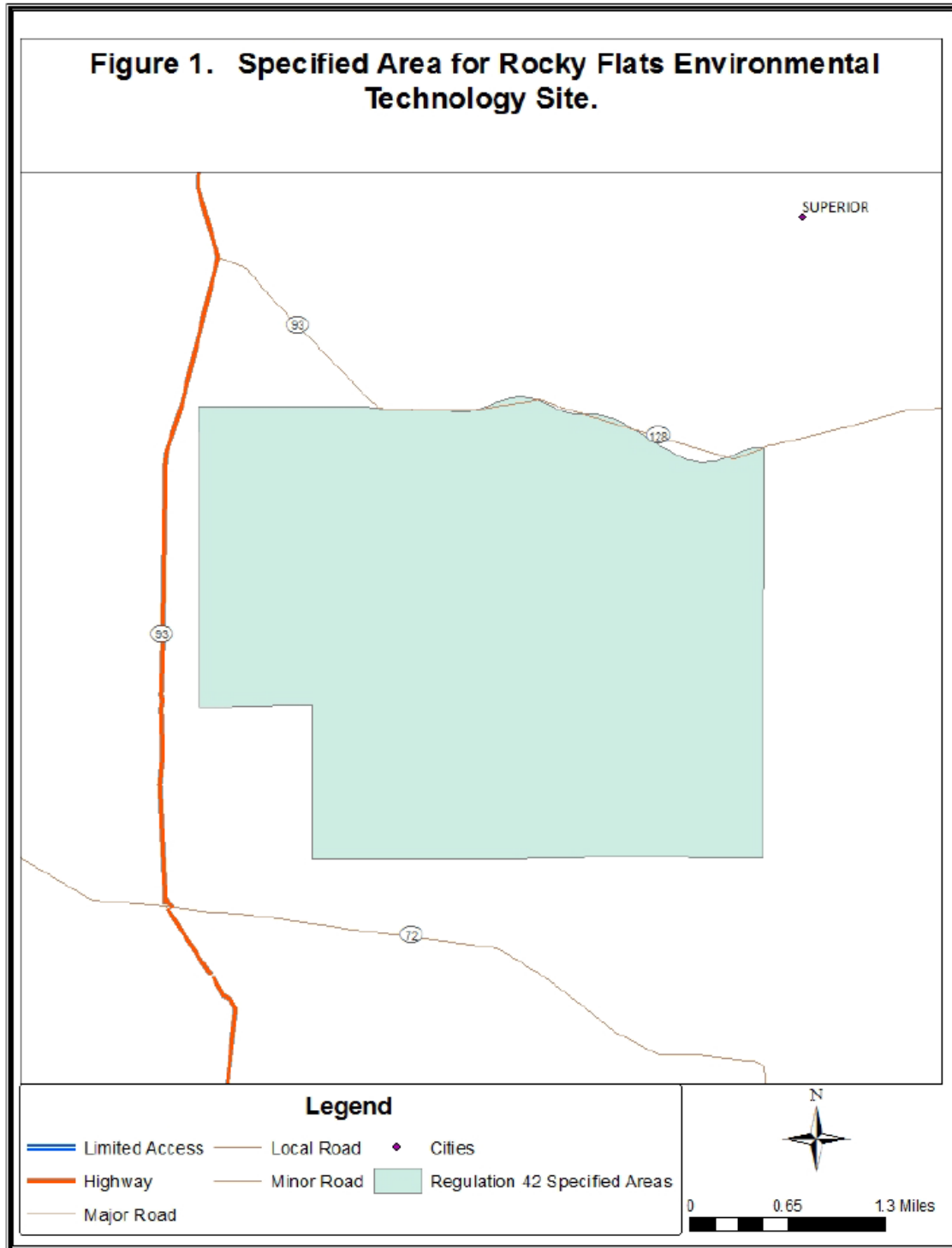
(b) Classifications: The classification of the groundwater in these formations is:

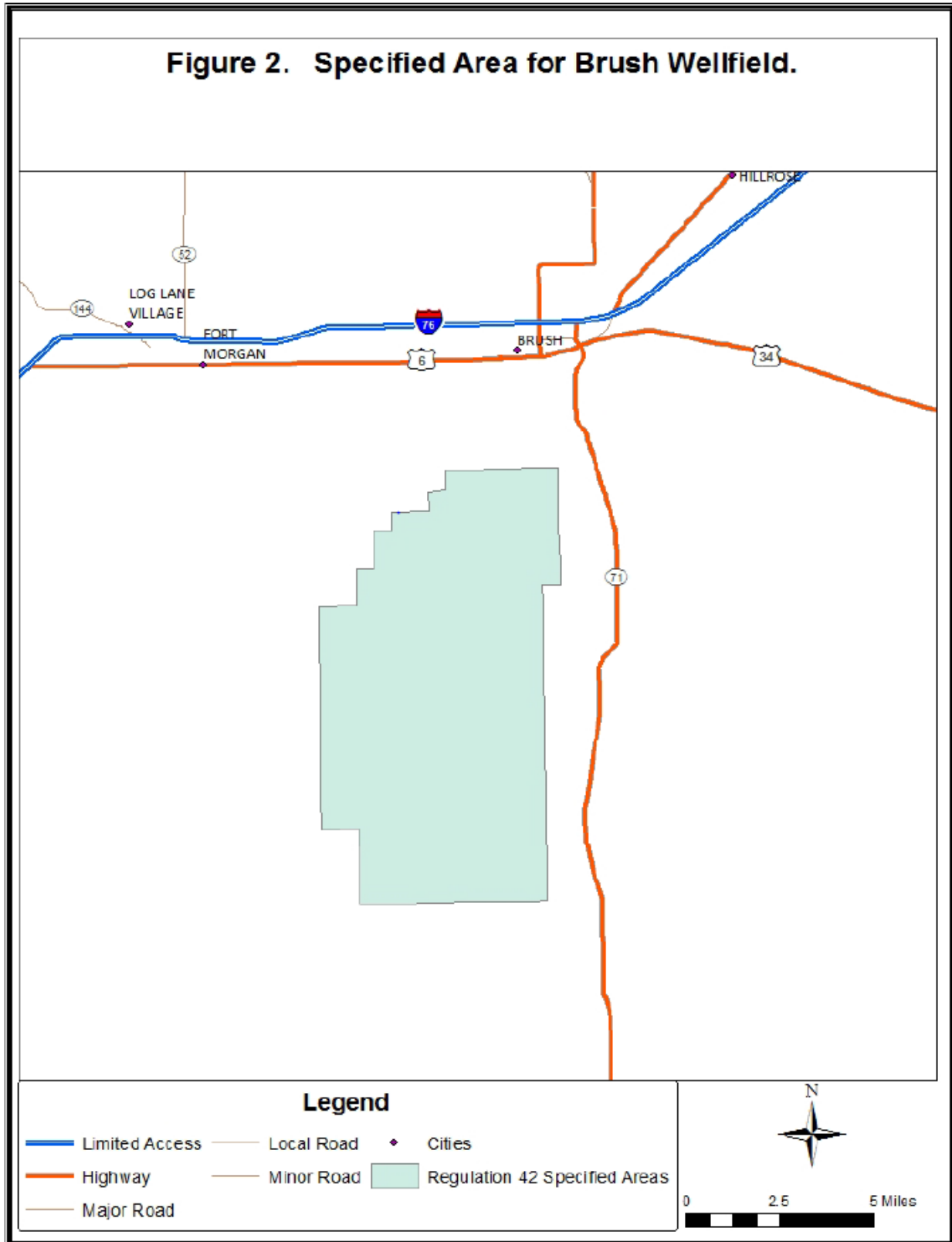
- Limited Use and Quality

(c) Groundwater Quality Standards: The groundwater quality standards included in Table 1 through 4 of the Basic Standards for Groundwater 41.0 (5 CCR 1002-41) will not apply to the confined groundwater of these formations within the specified area.

The groundwater organic chemical standards included in Table A of the section 41.5.C.3 of the Basic Standards for Groundwater (5 CCR 1002-41) for benzene, toluene, ethylbenzene, xylenes, and benzo(a)pyrene will not apply to the groundwater 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 intrinsically derived from primary field operations associated with the exploration, development, or production of crude oil and natural gas, otherwise all standards from Table A apply.

42.8 FIGURES





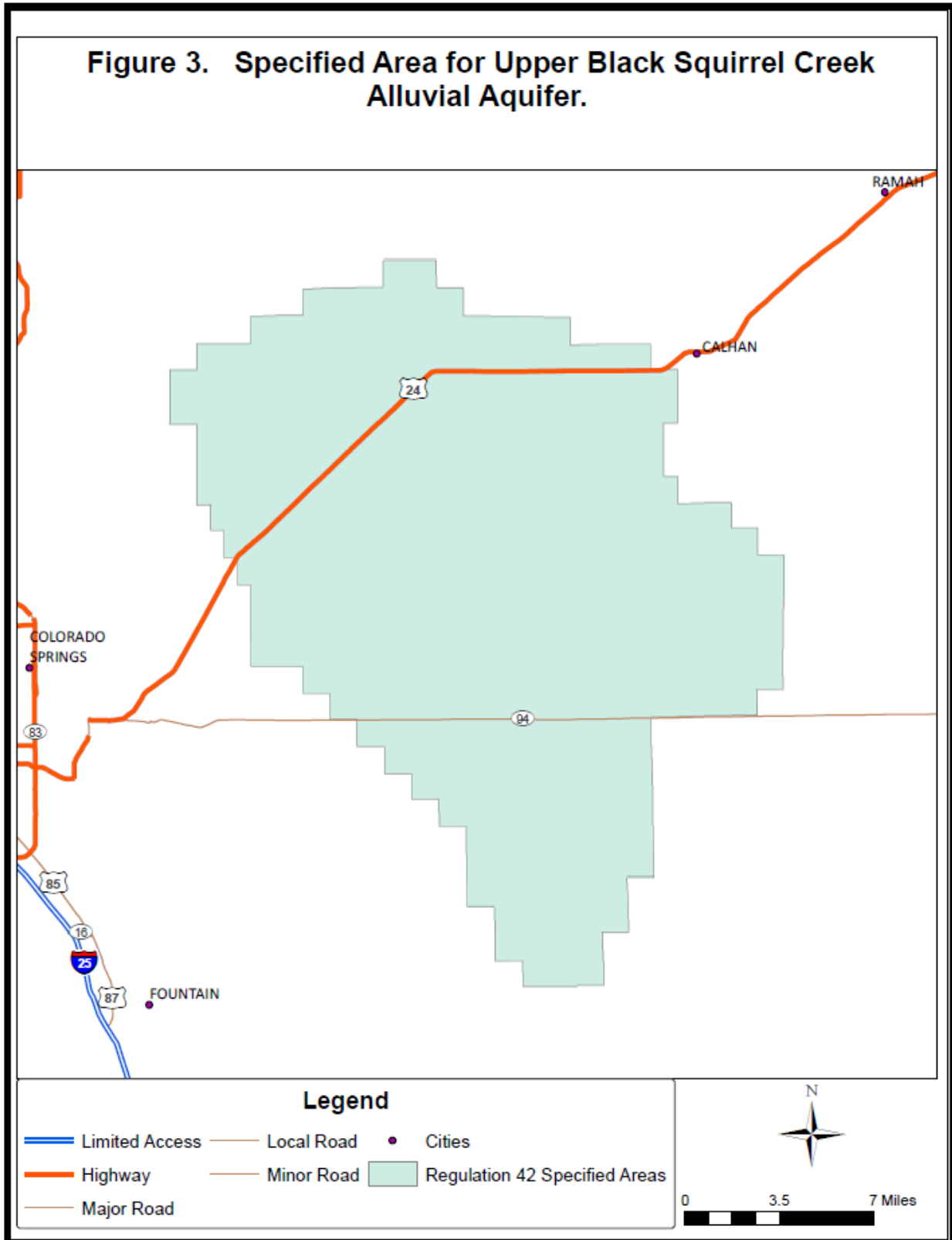
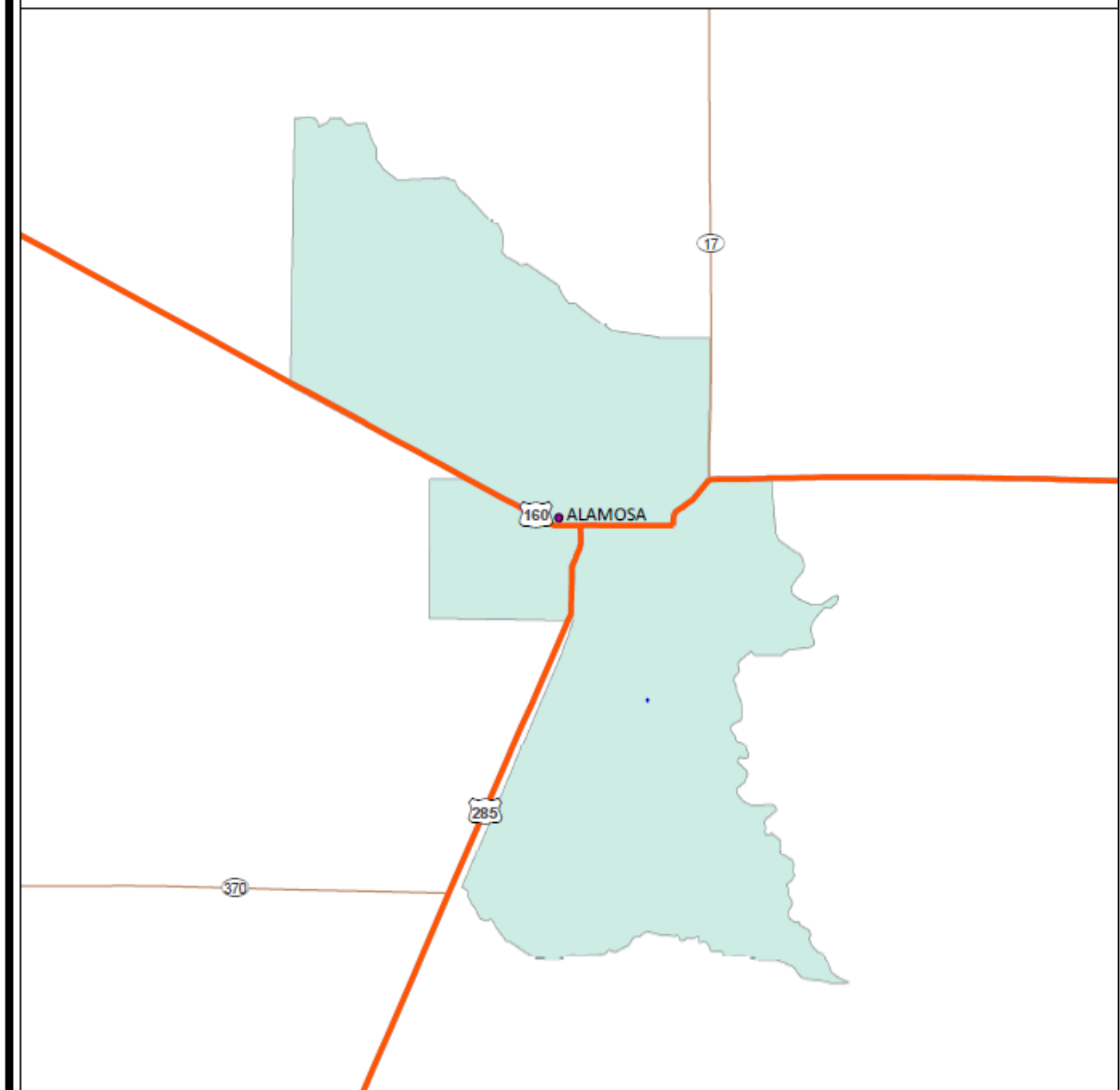


Figure 4. Specified Area for Alamosa Wellfield.

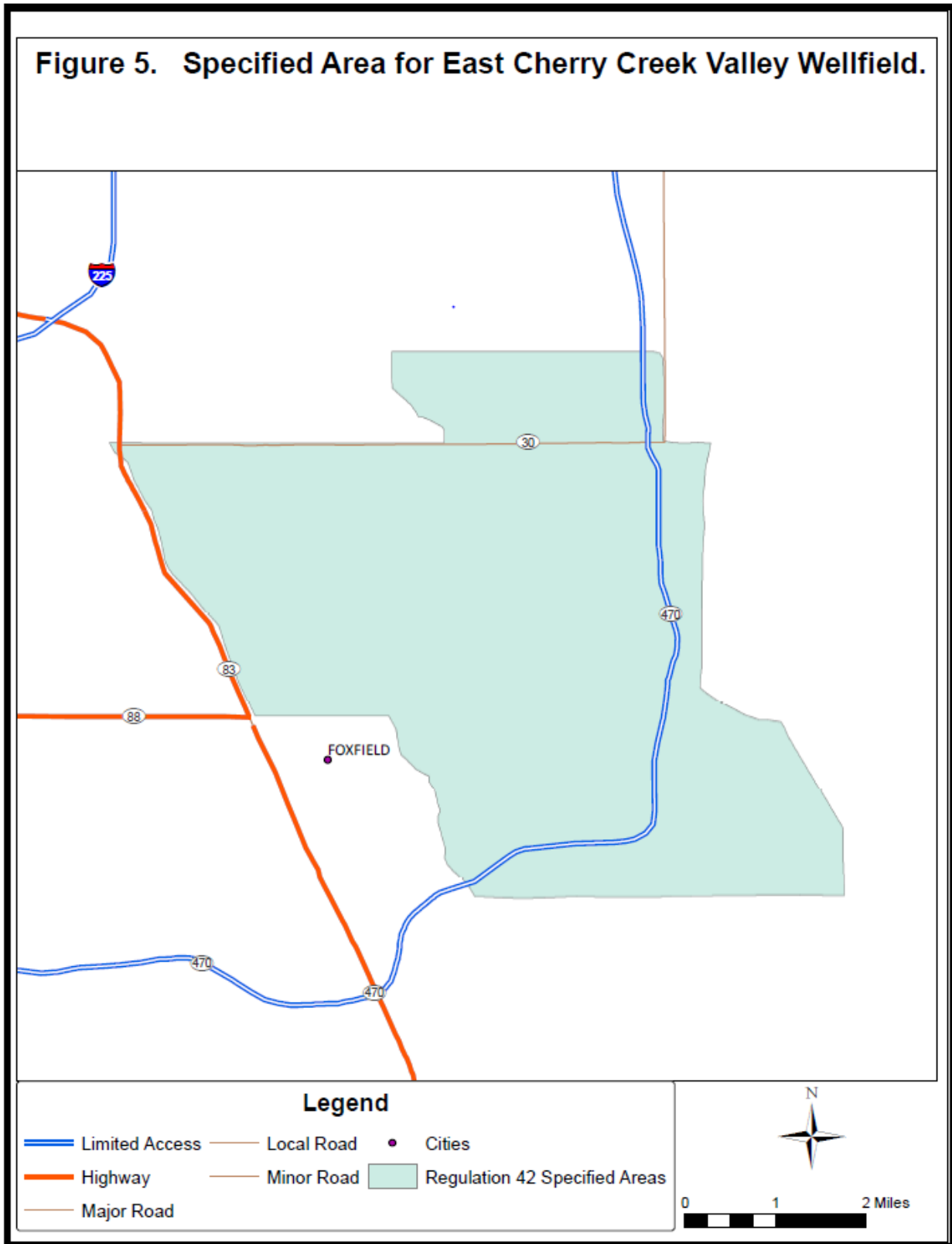


Legend

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



0 0.85 1.7 Miles



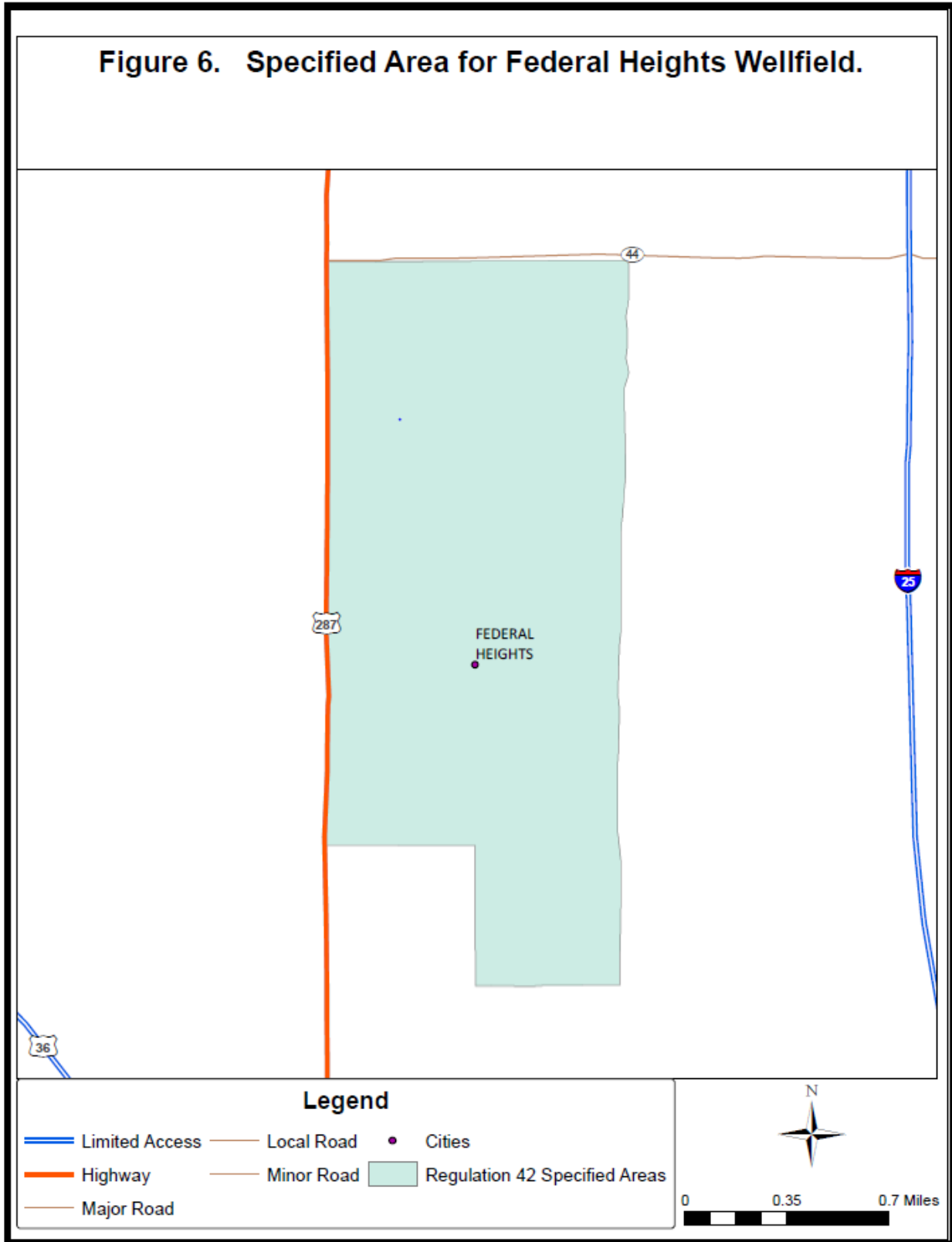
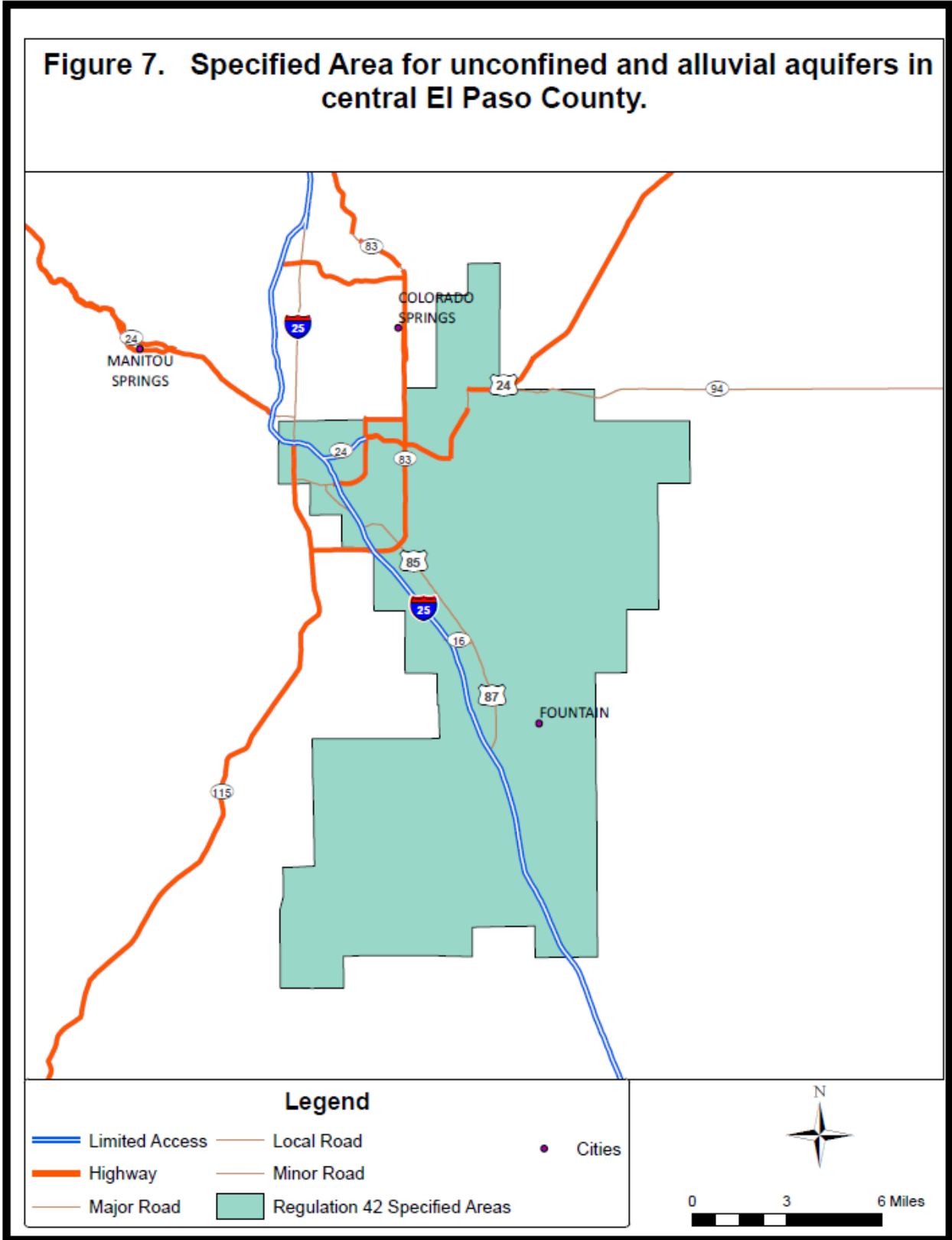
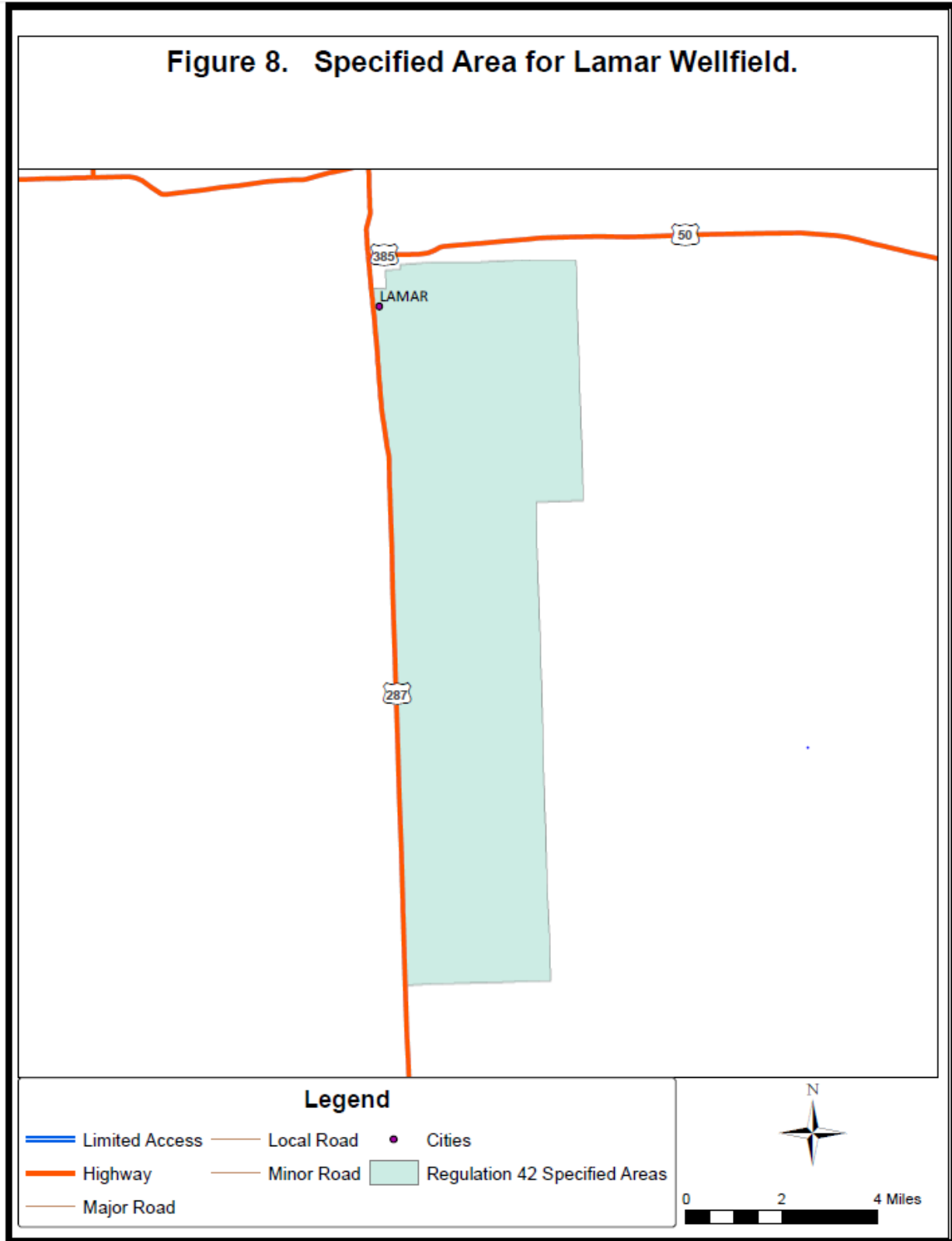
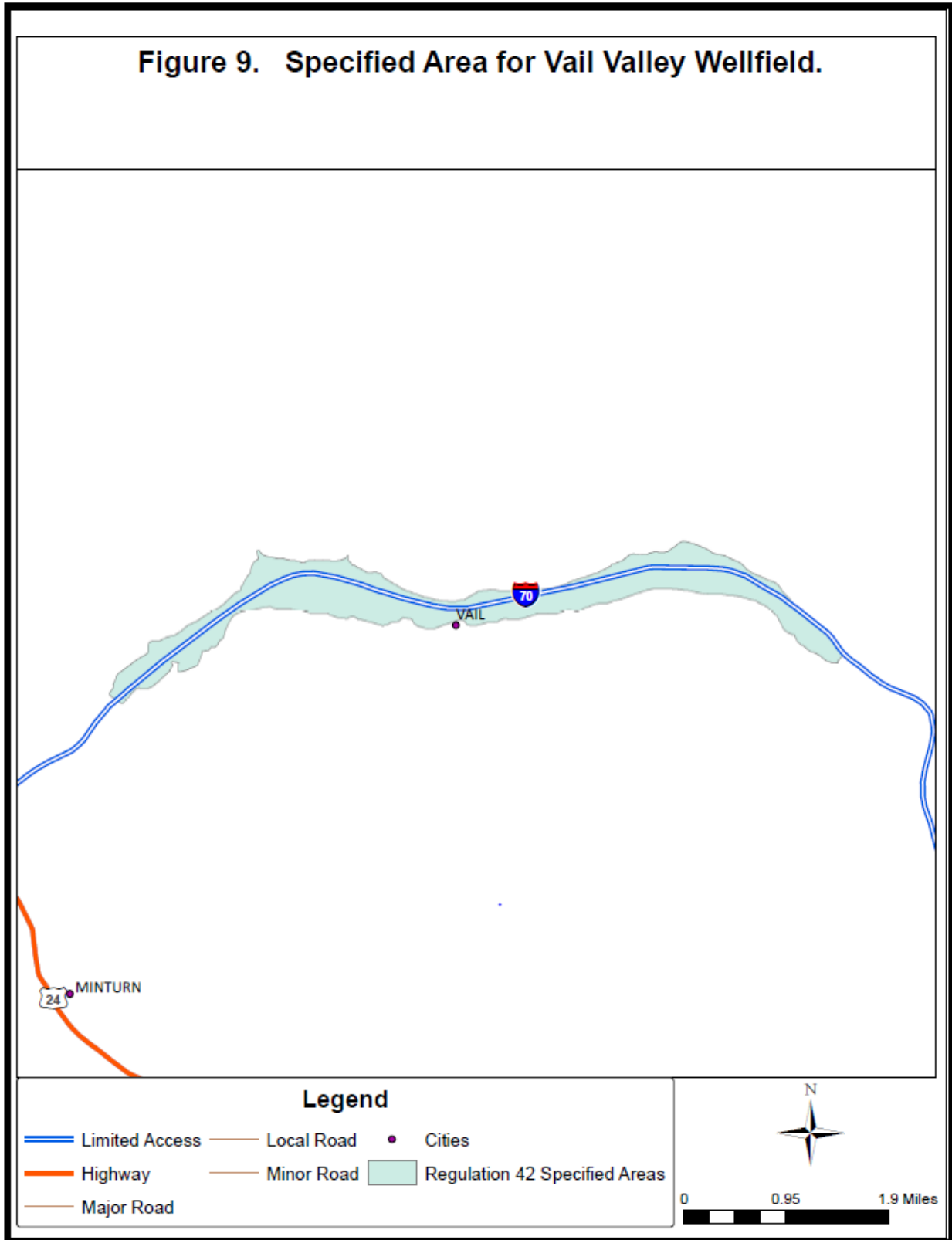
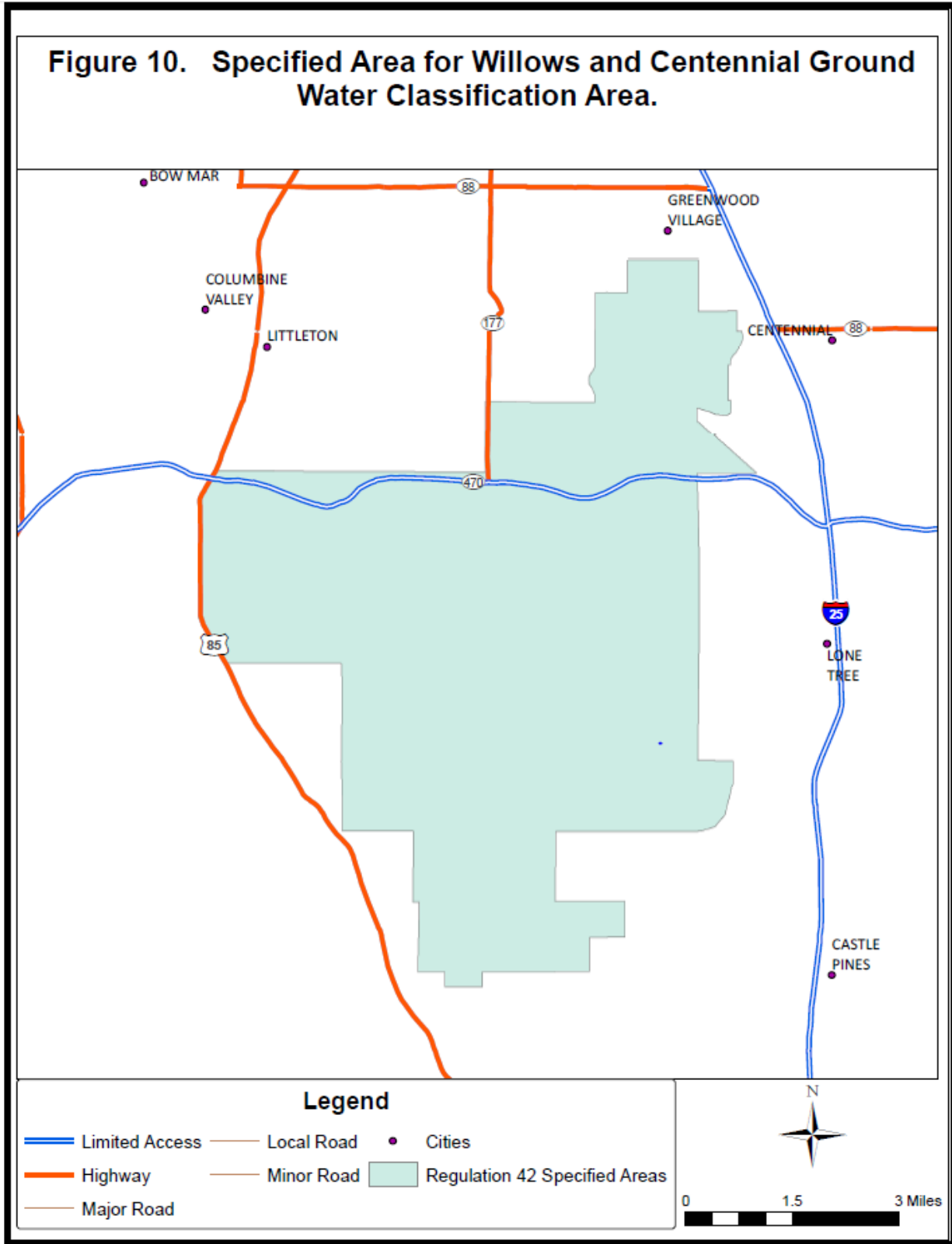


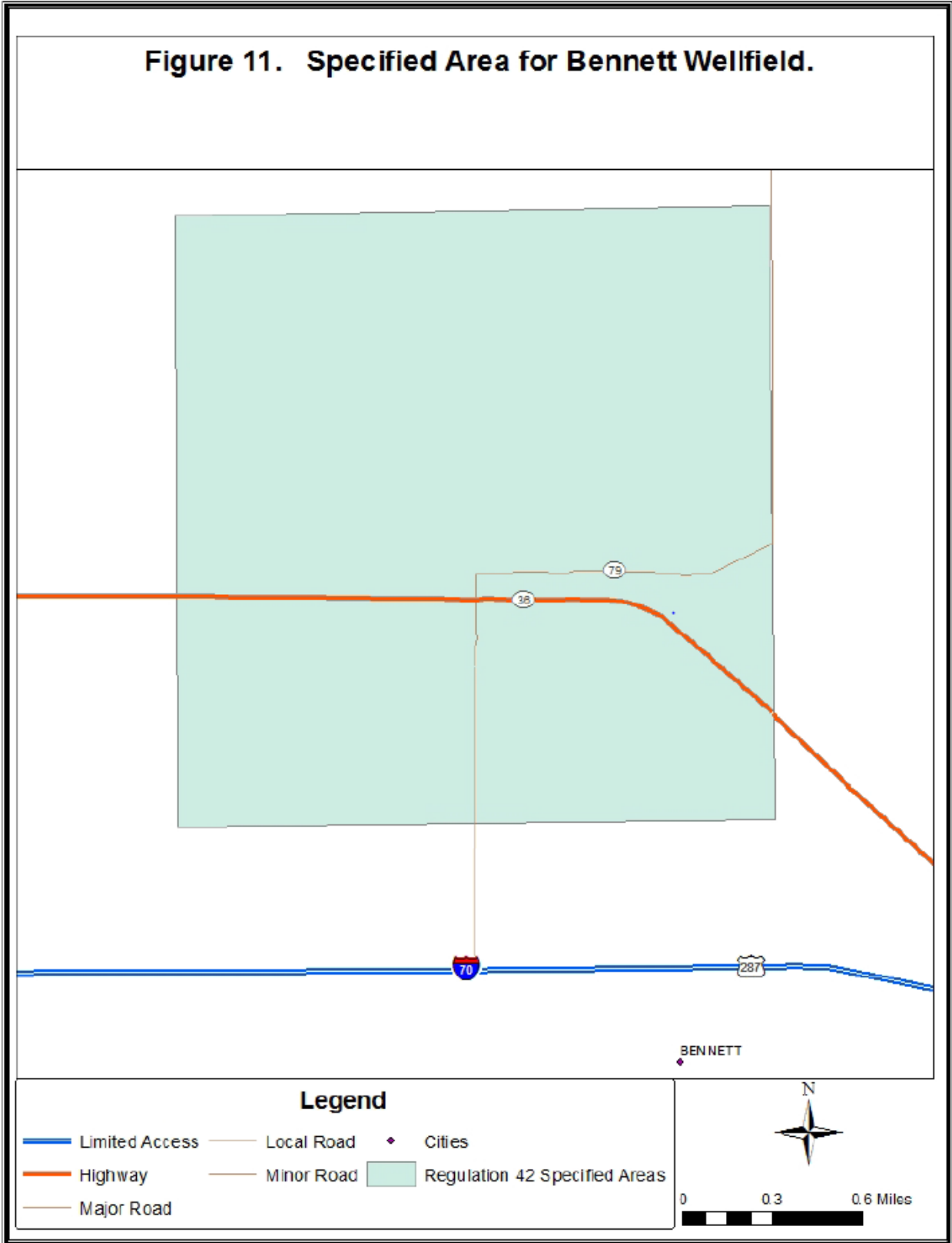
Figure 7. Specified Area for unconfined and alluvial aquifers in central El Paso County.

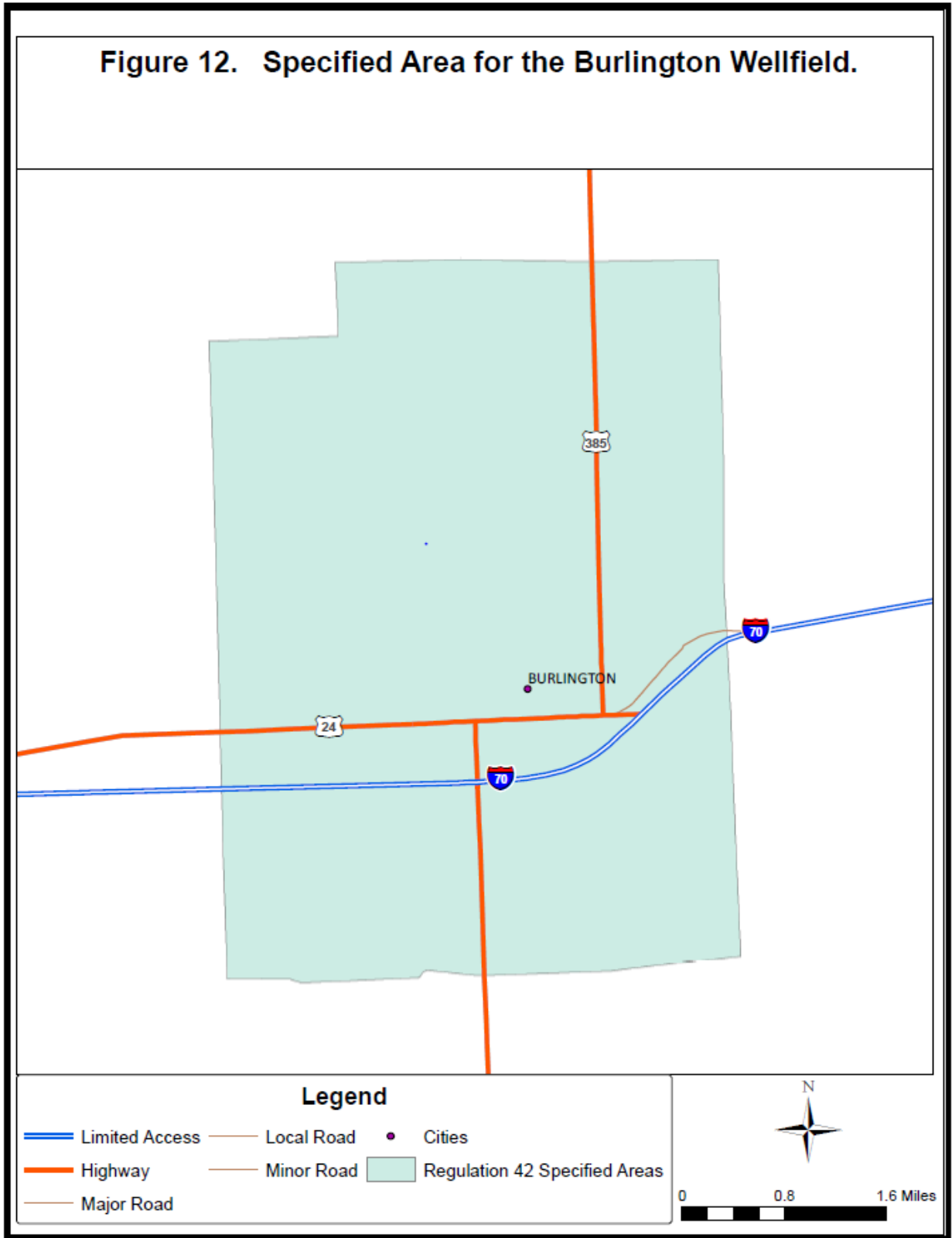


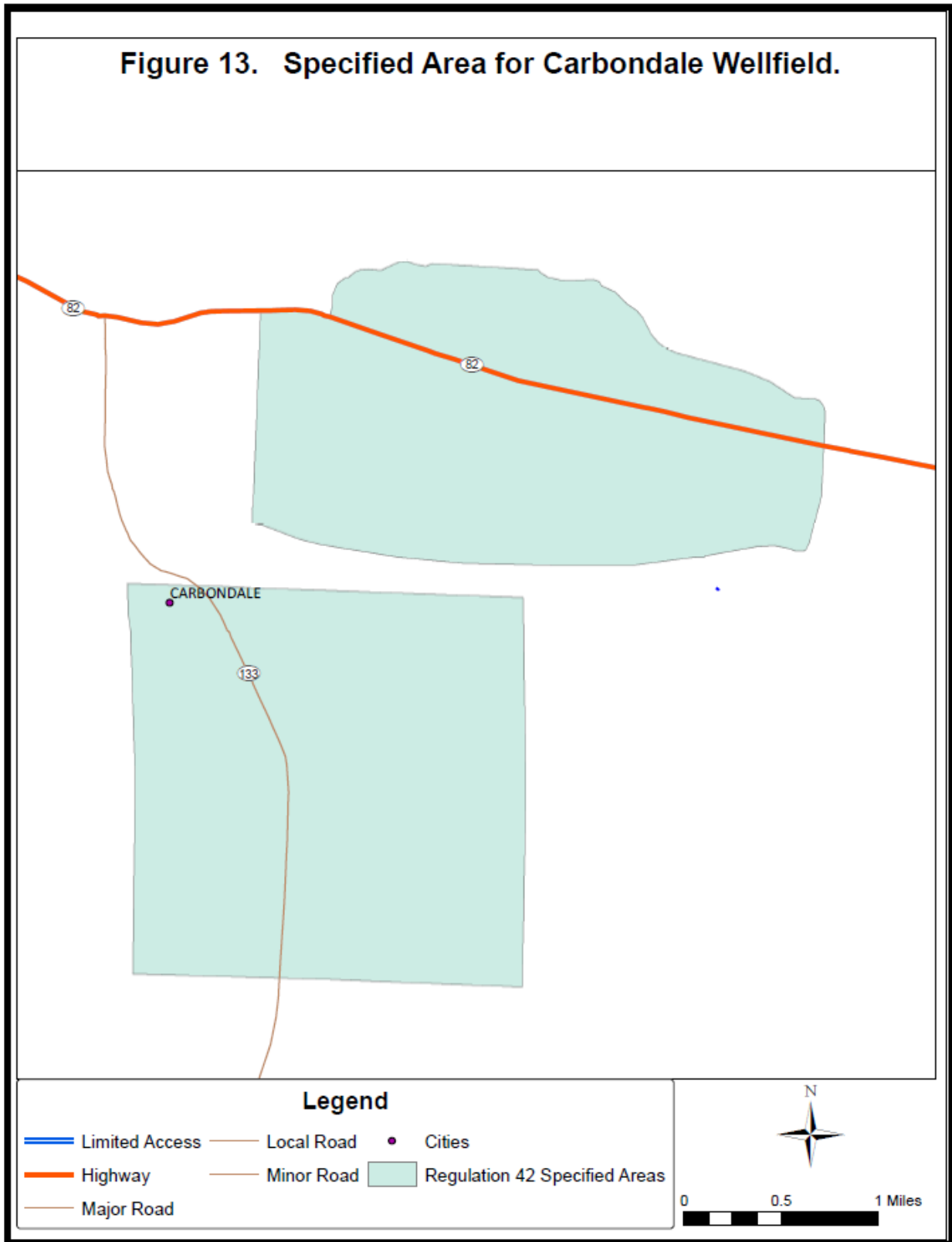


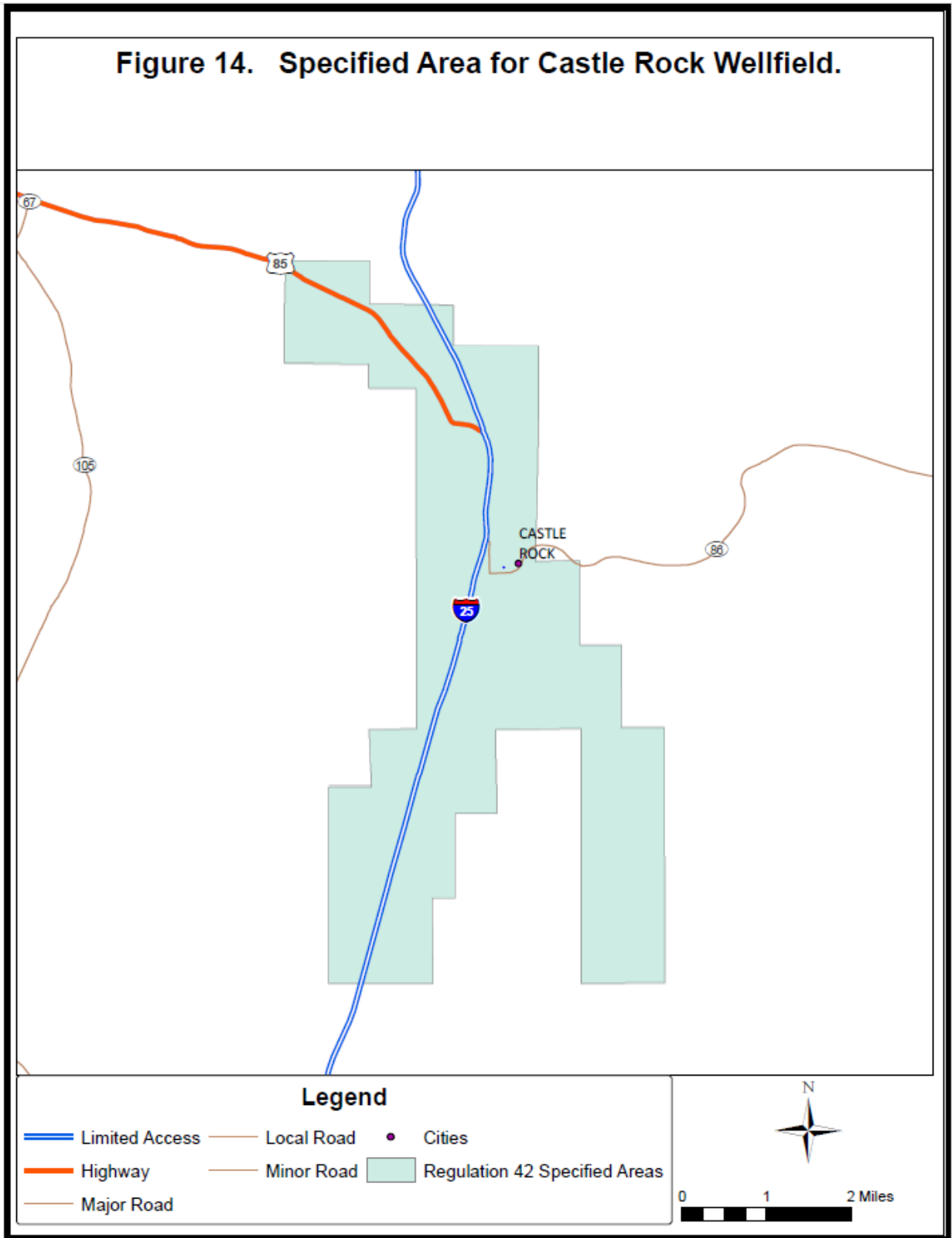


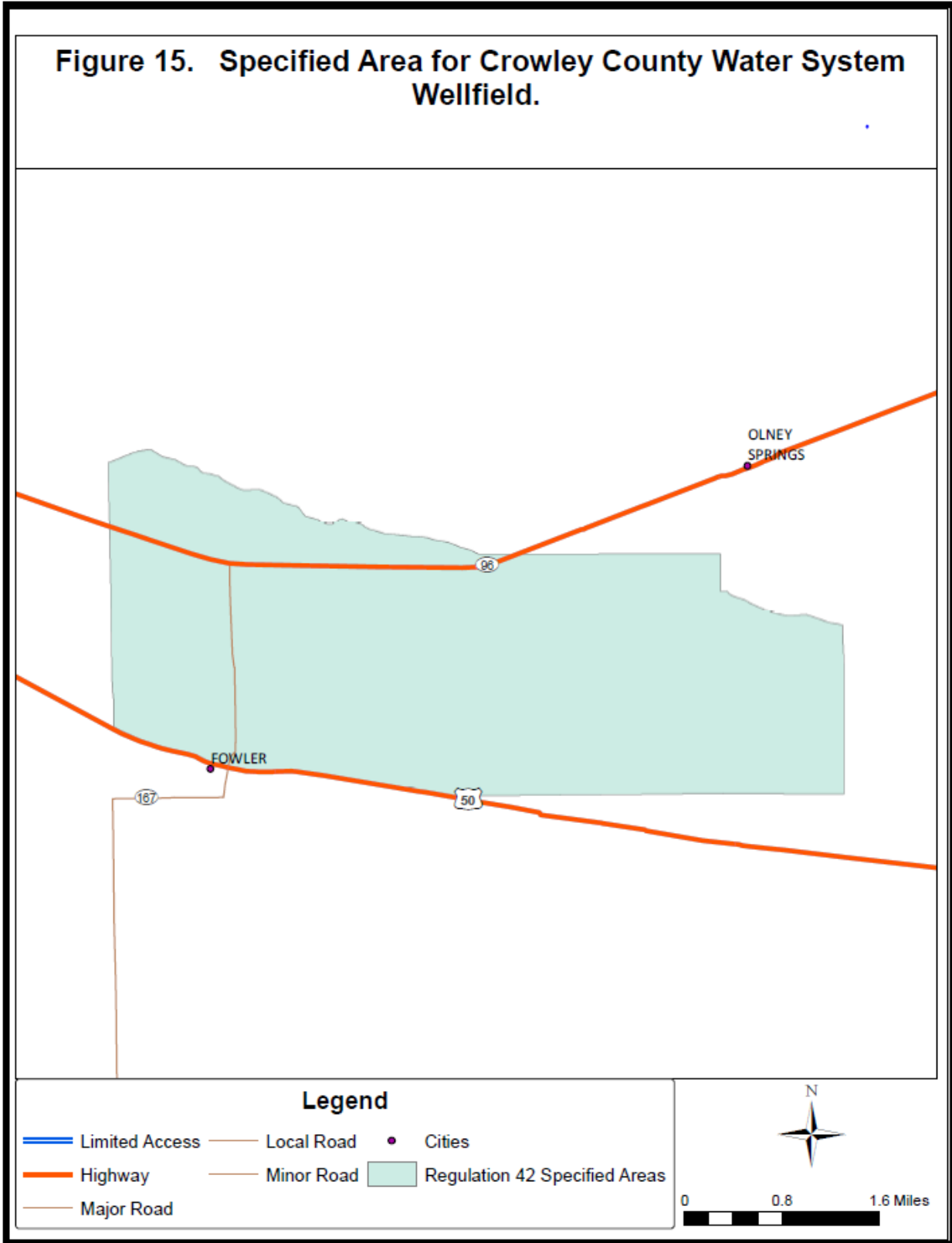


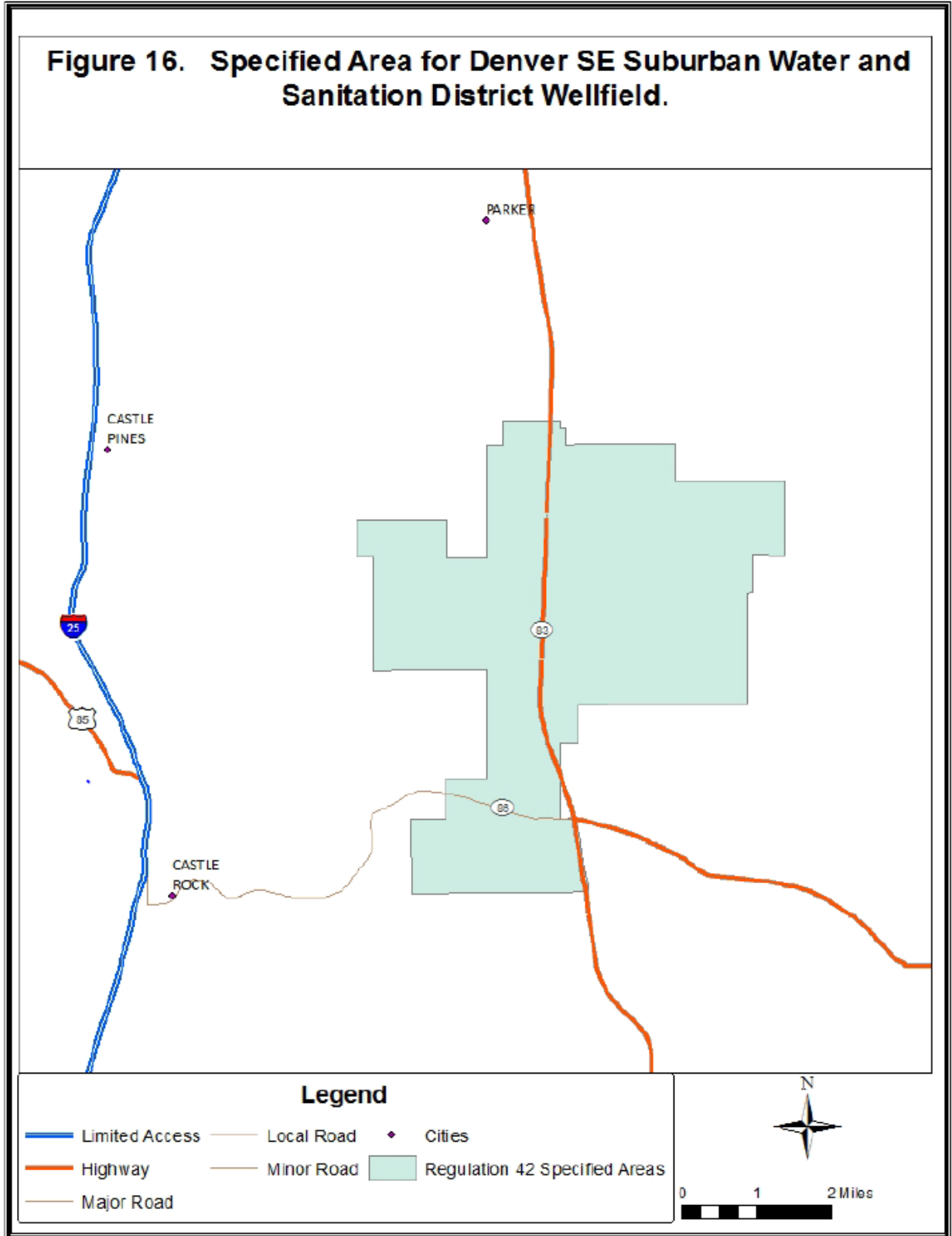


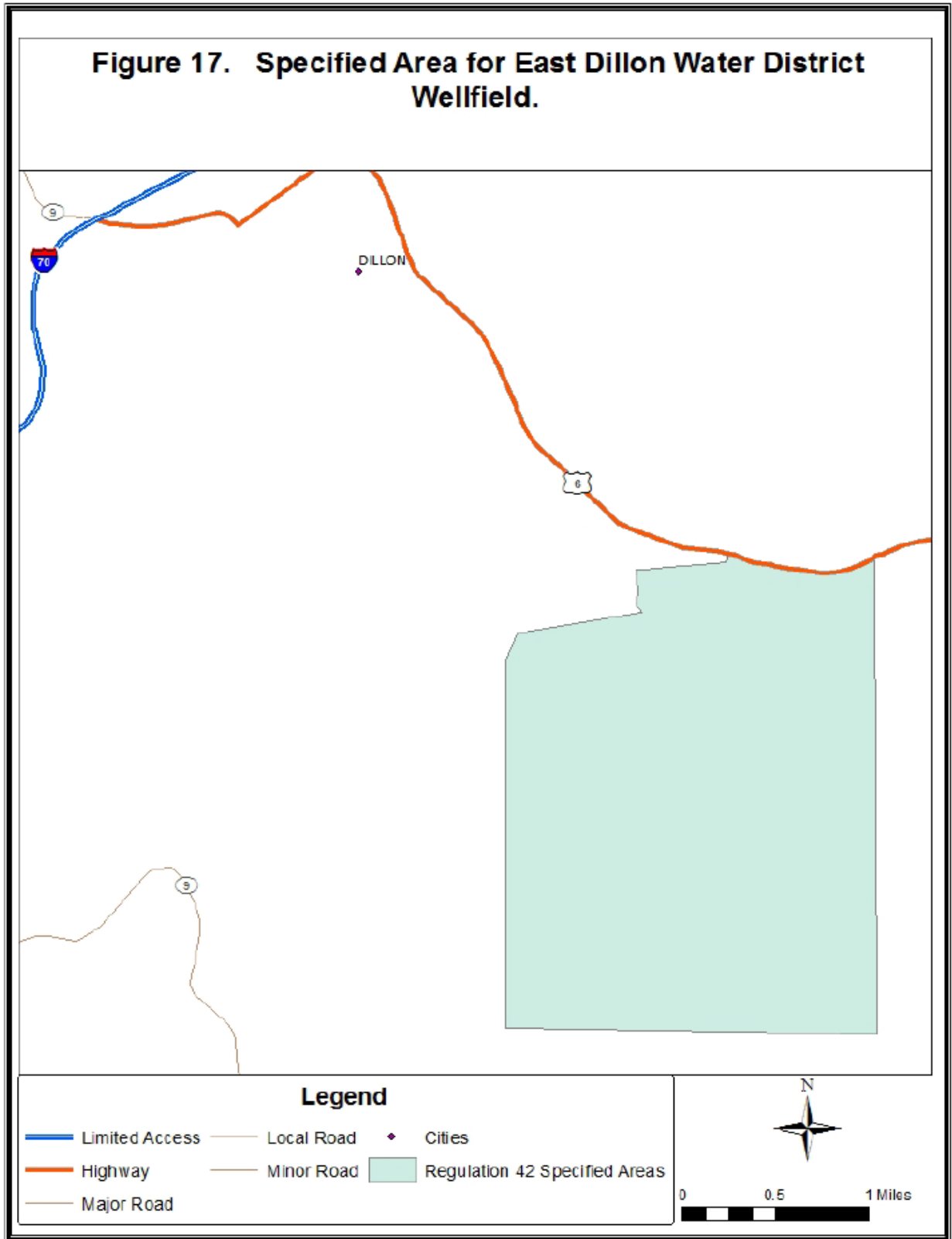


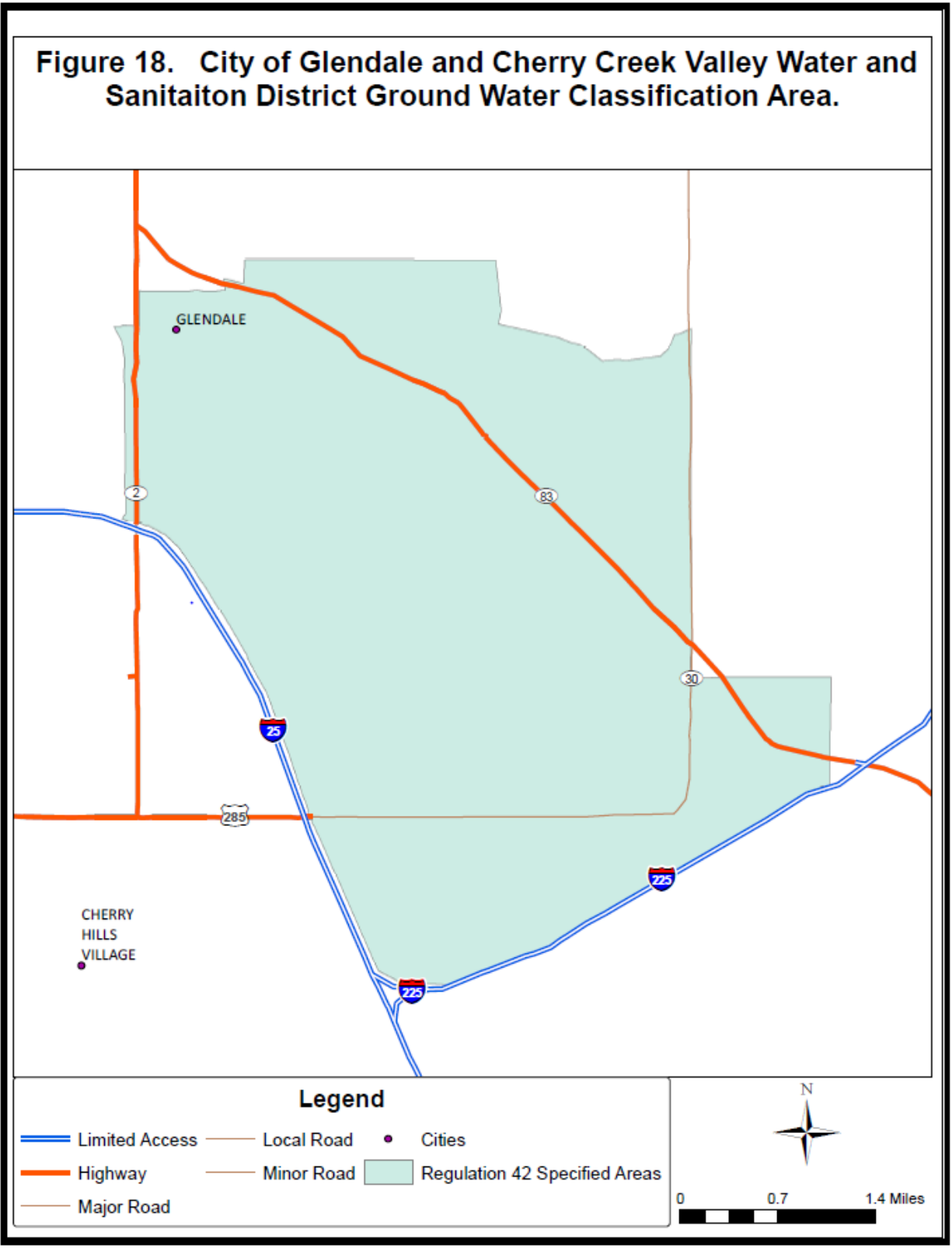


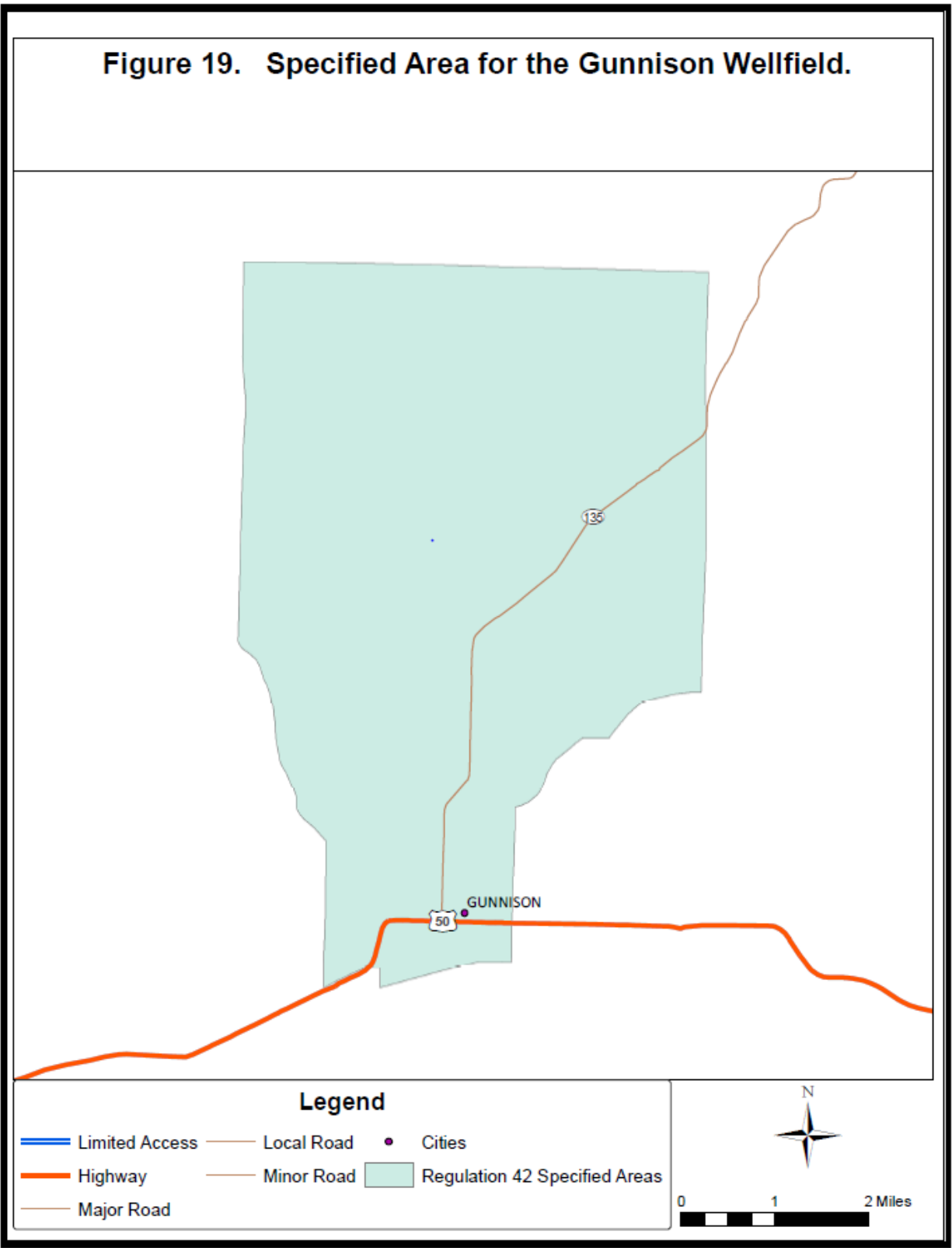


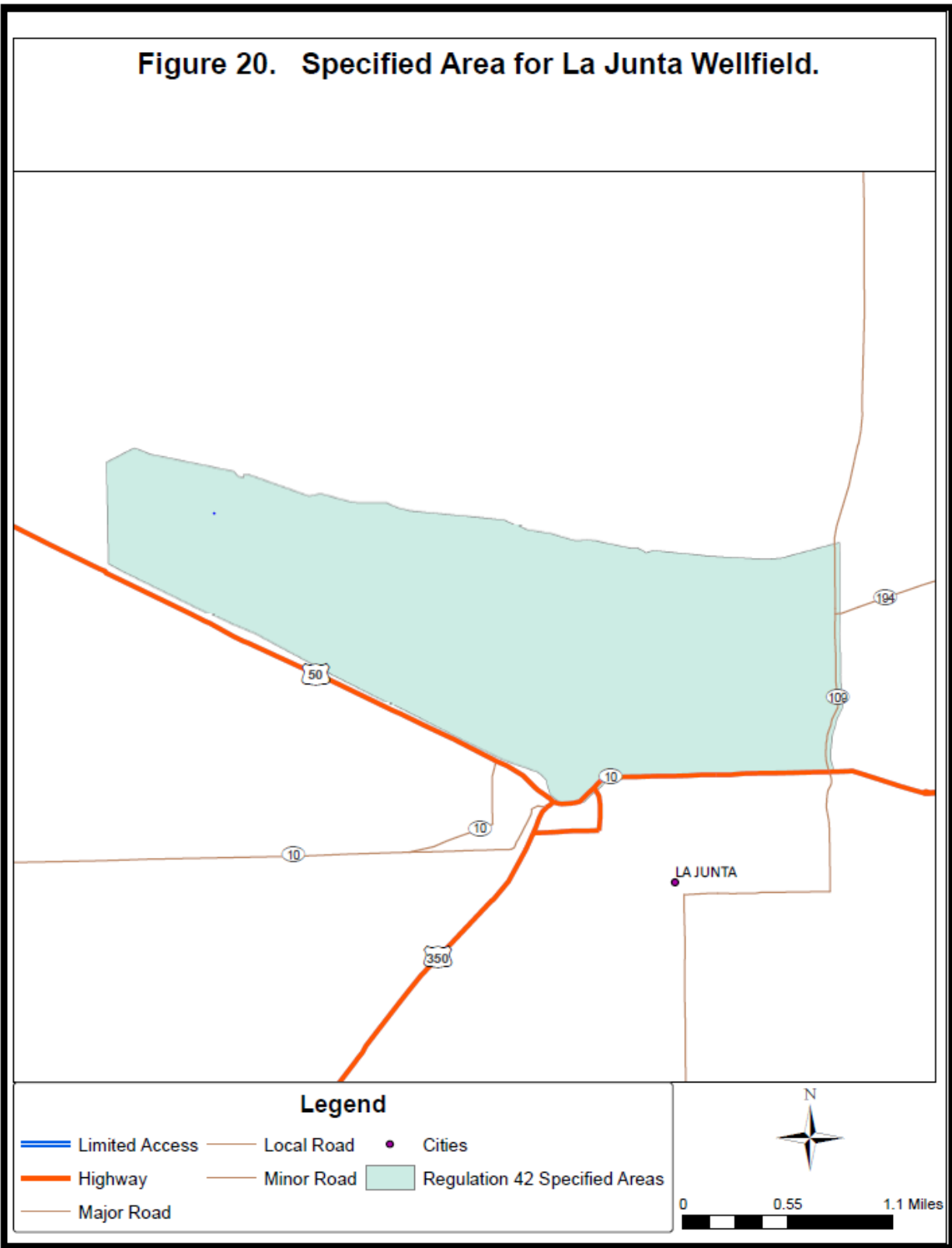


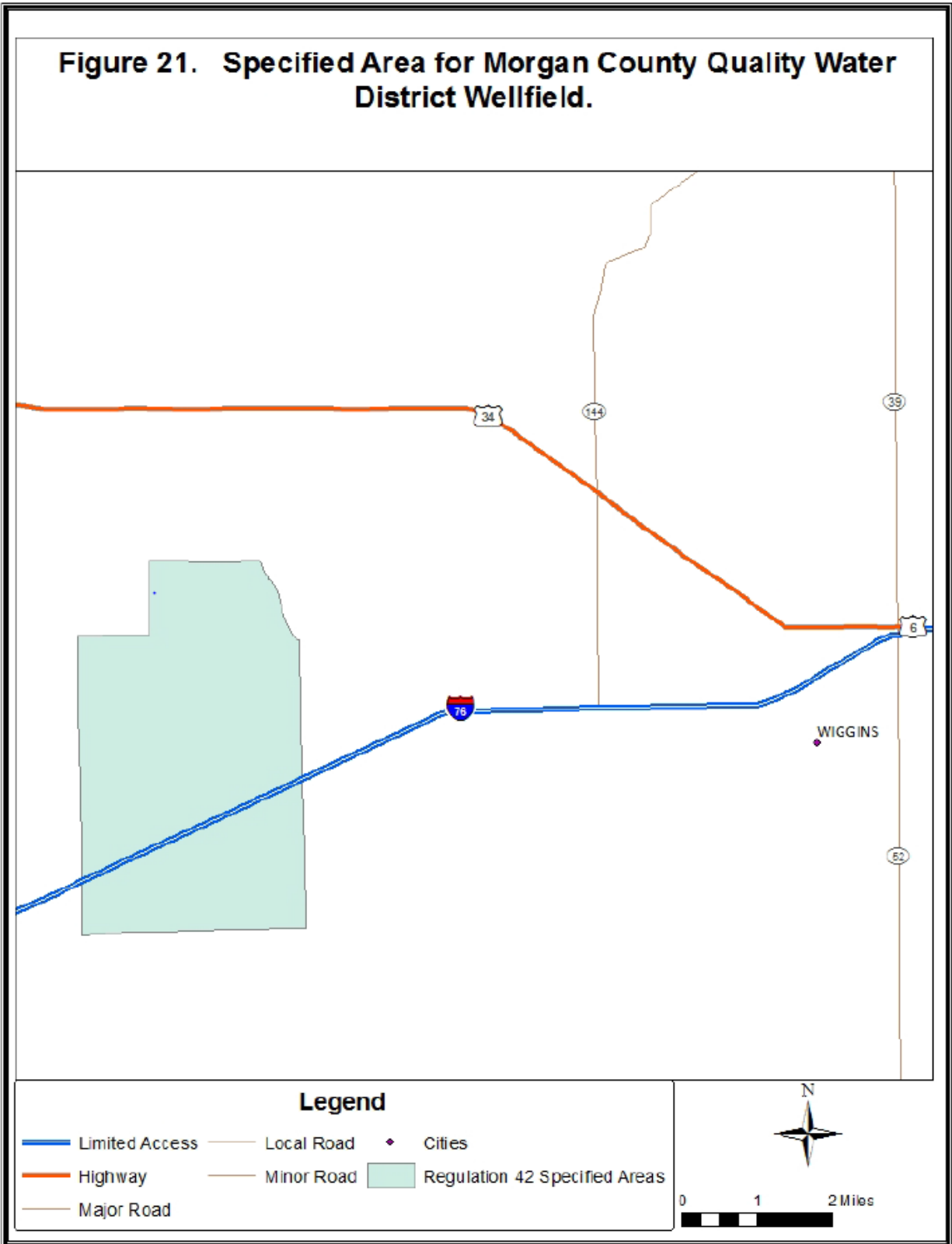


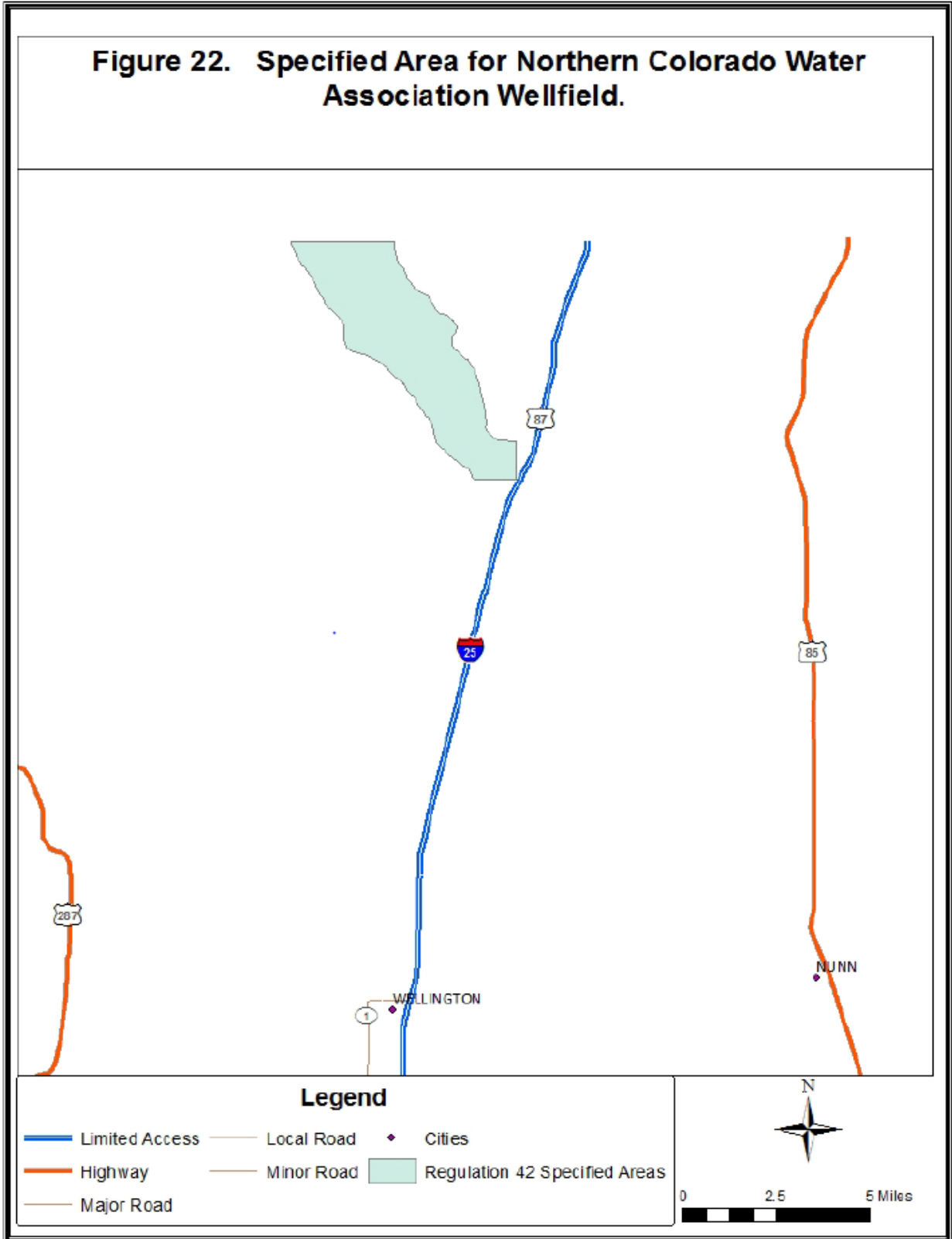


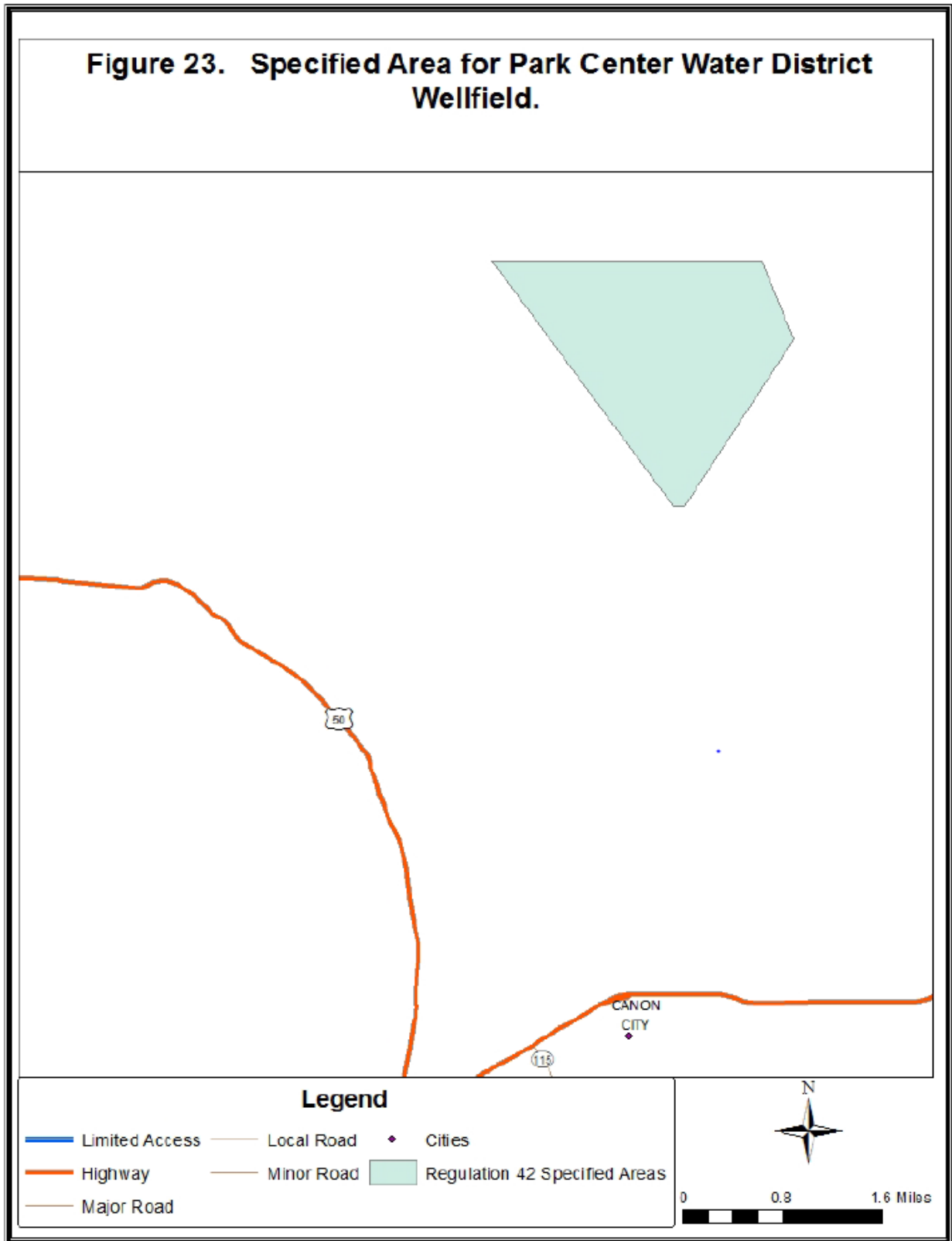


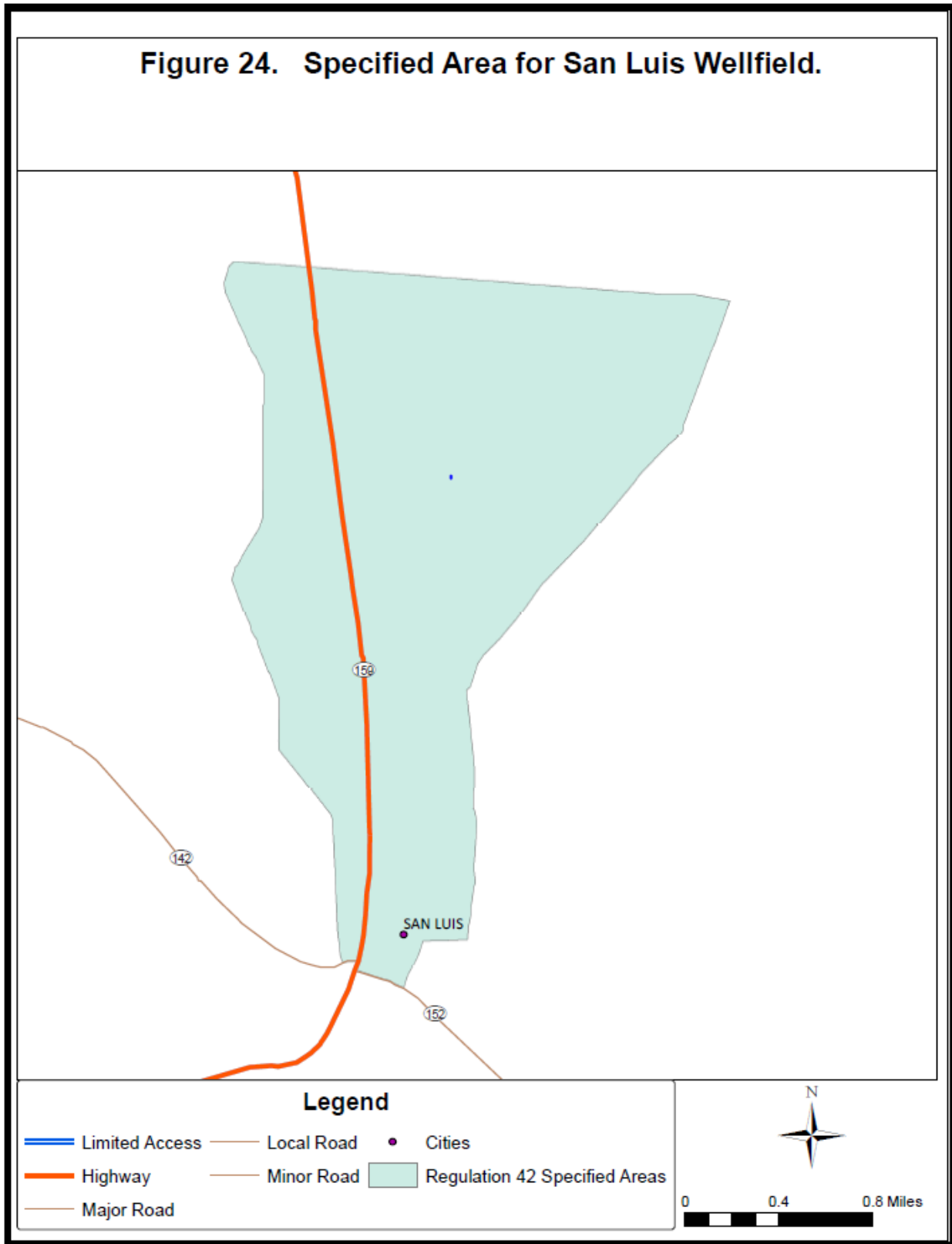


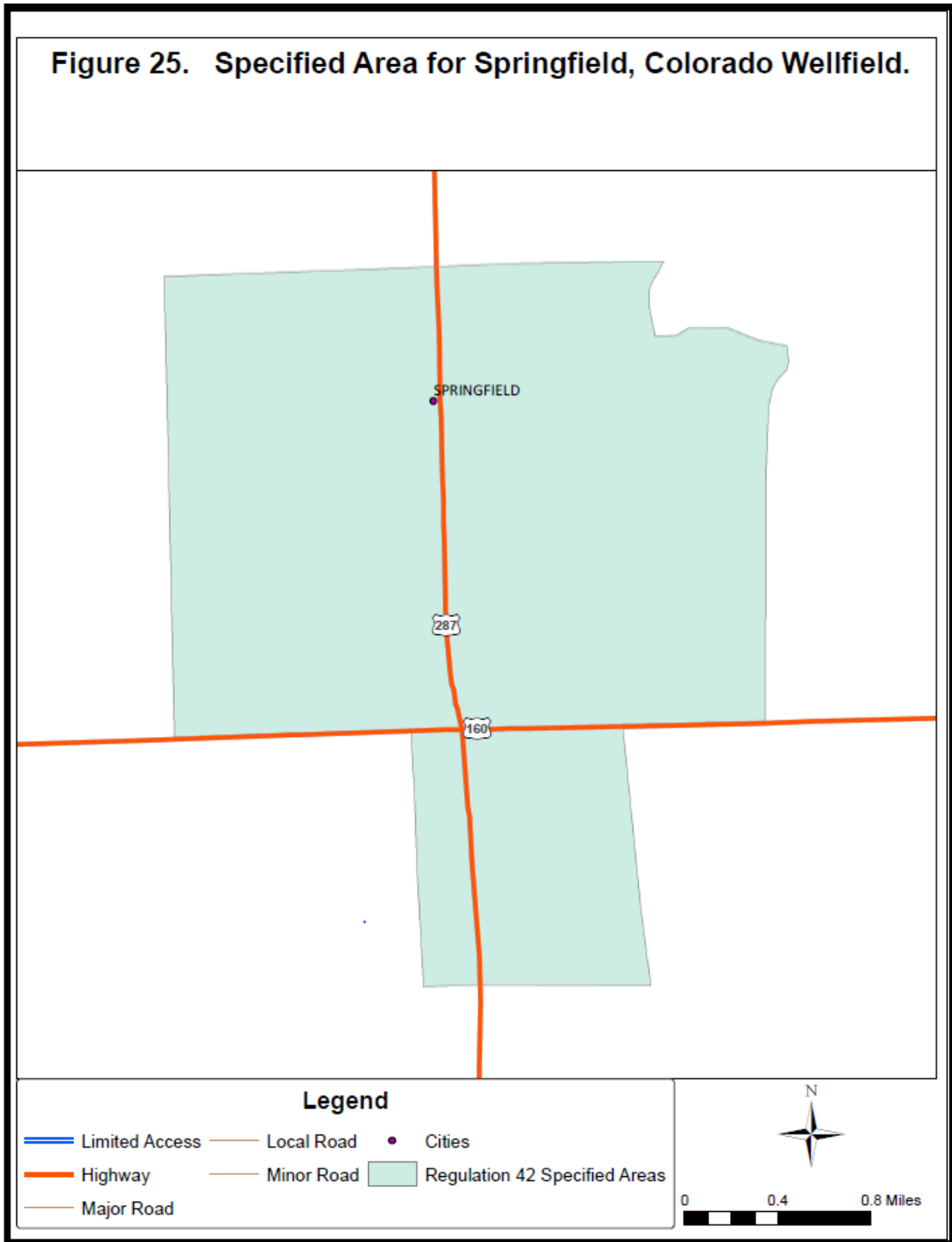


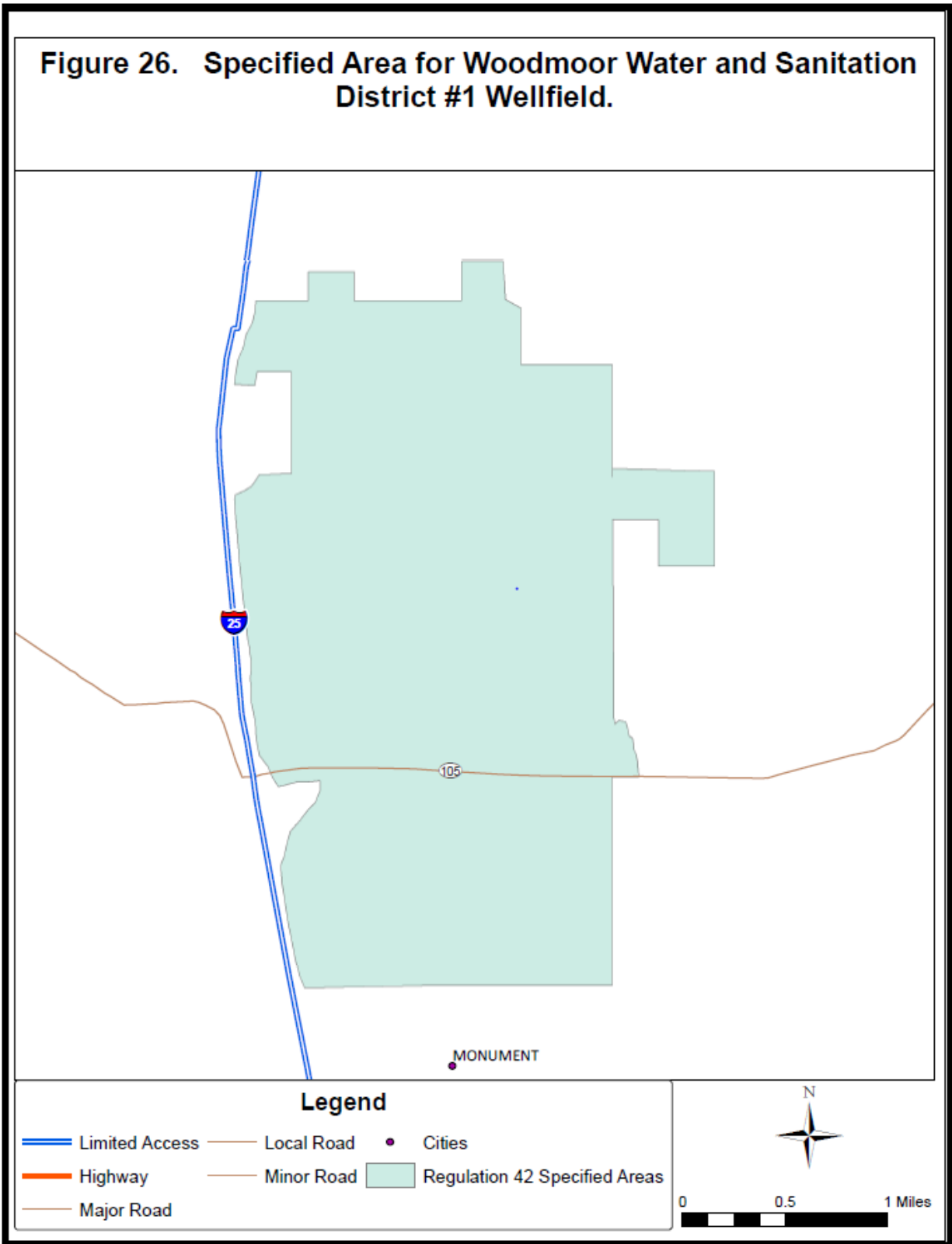


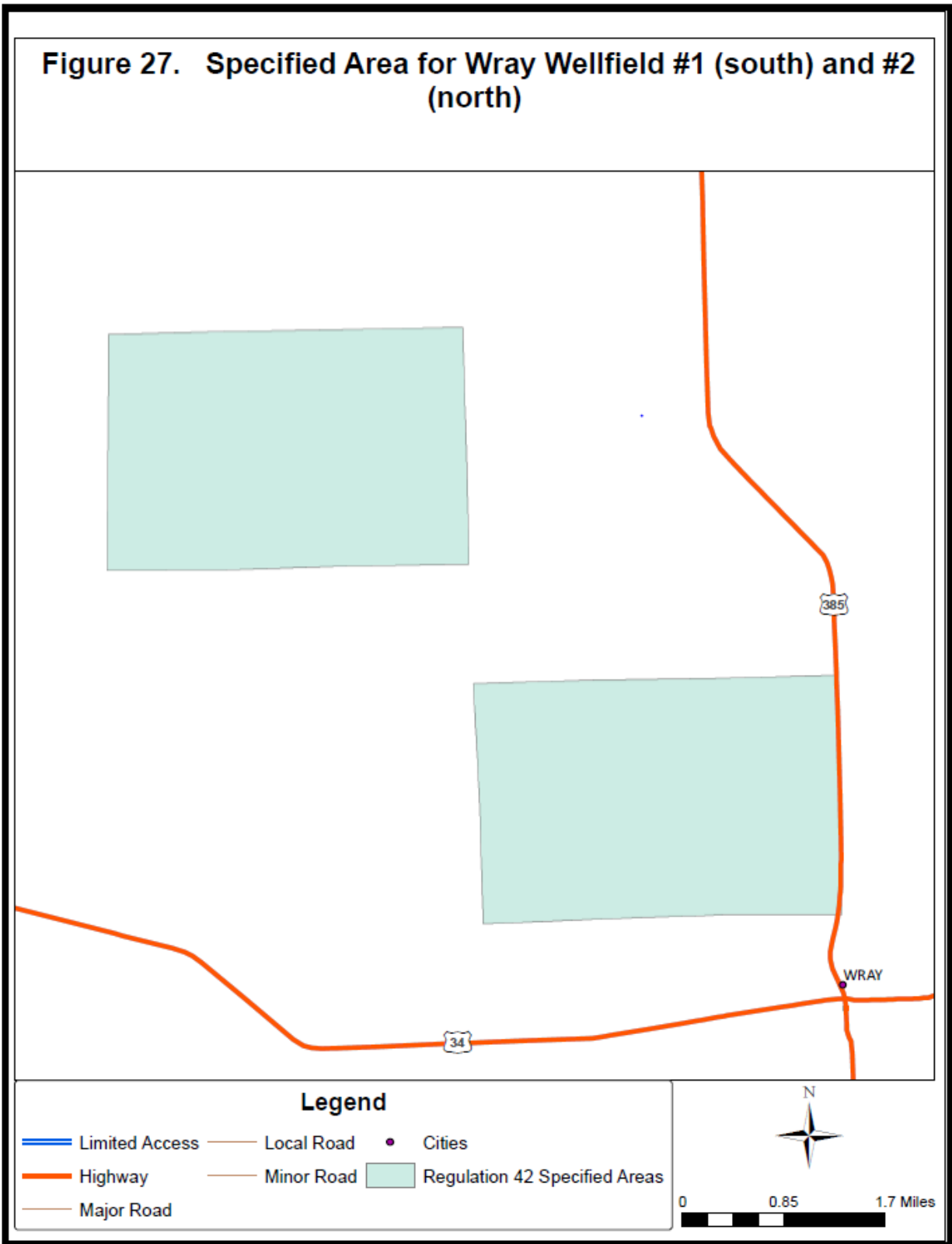


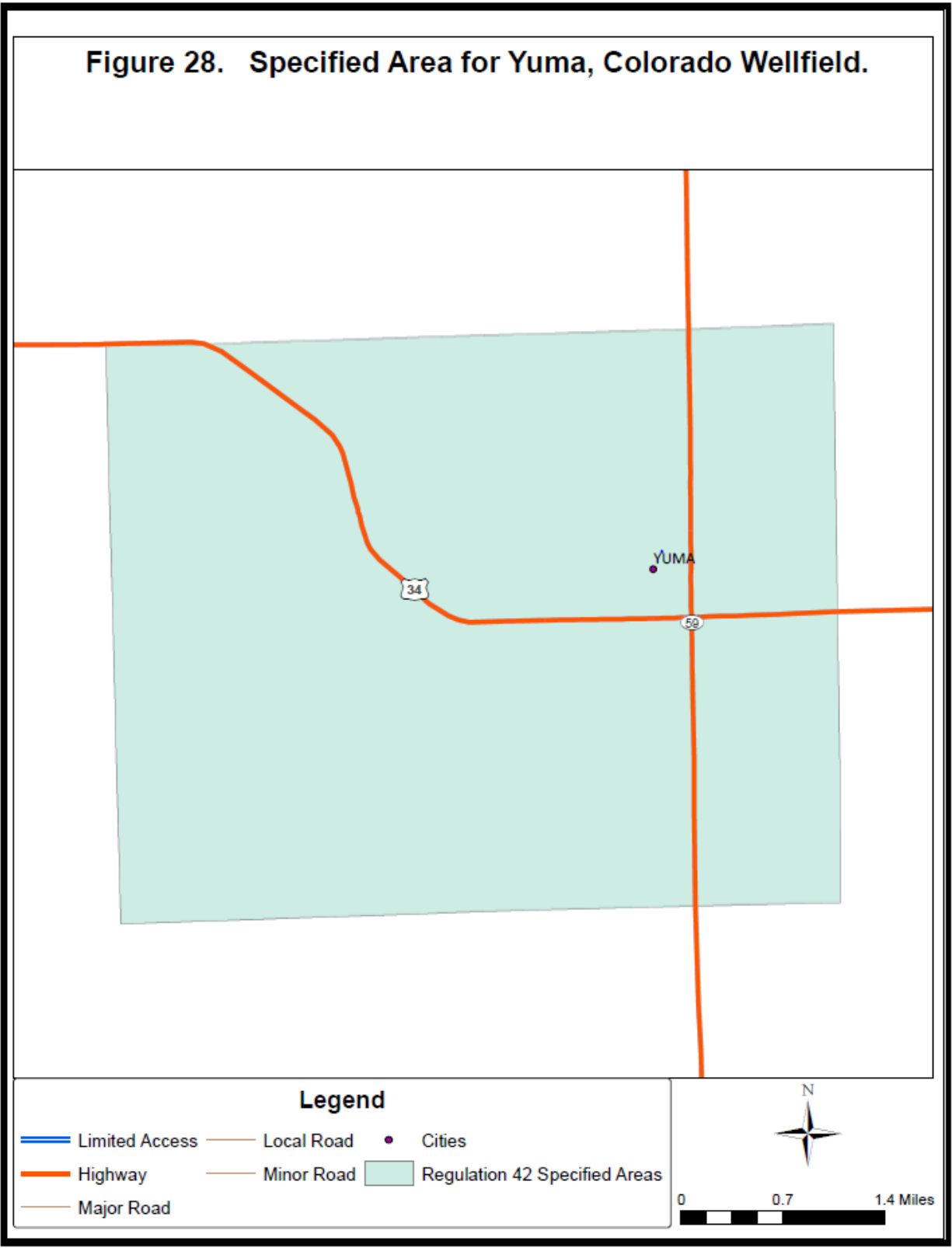


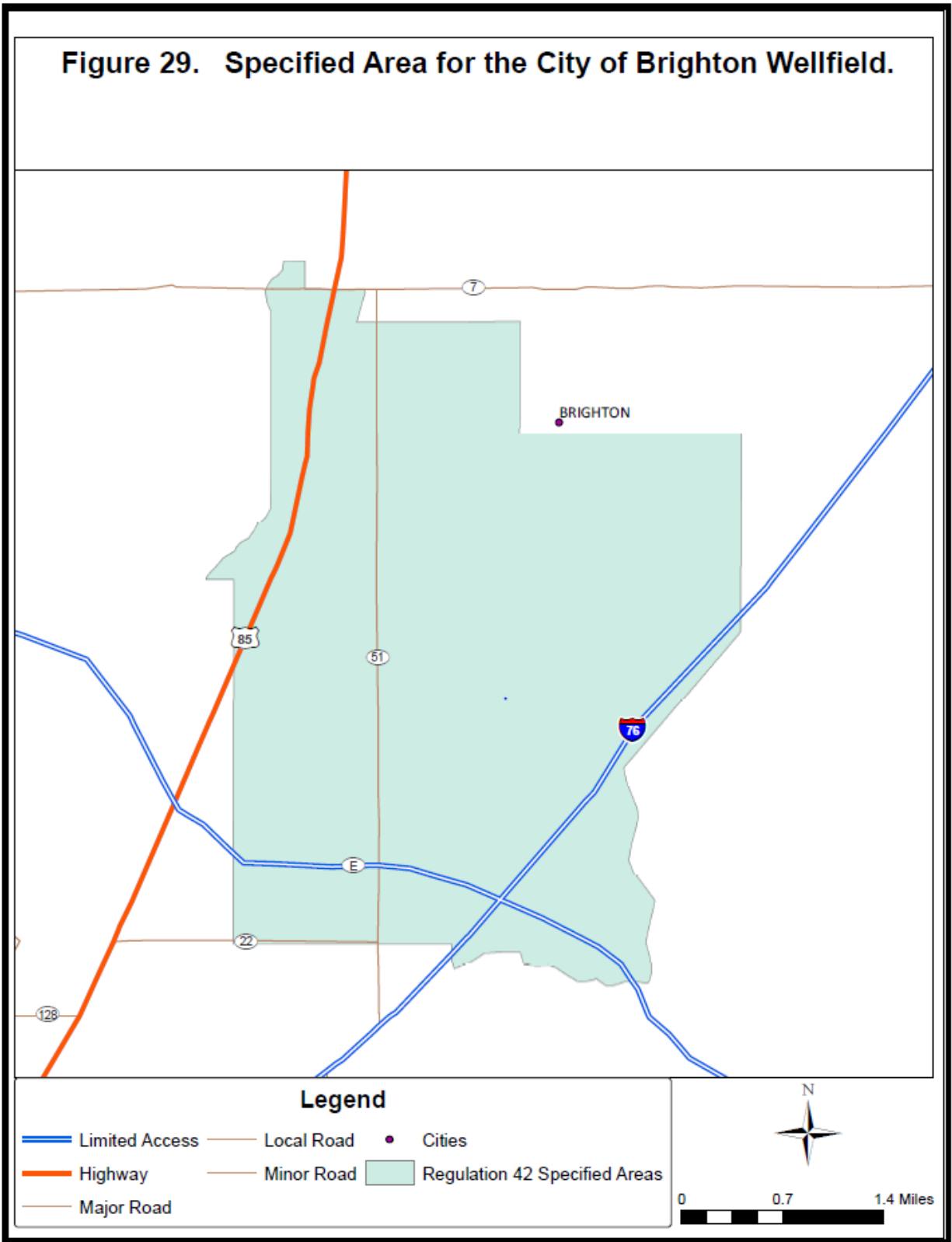


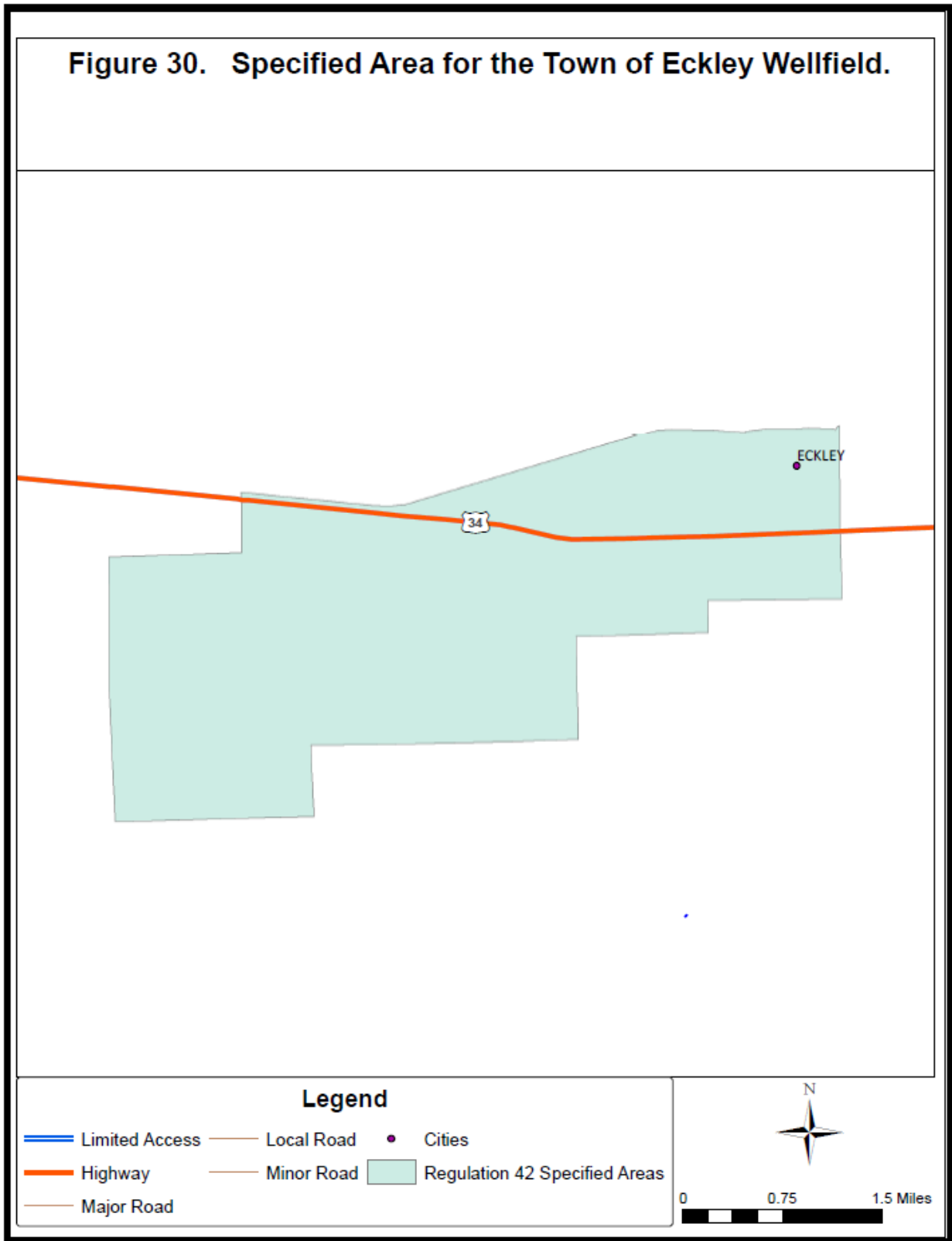


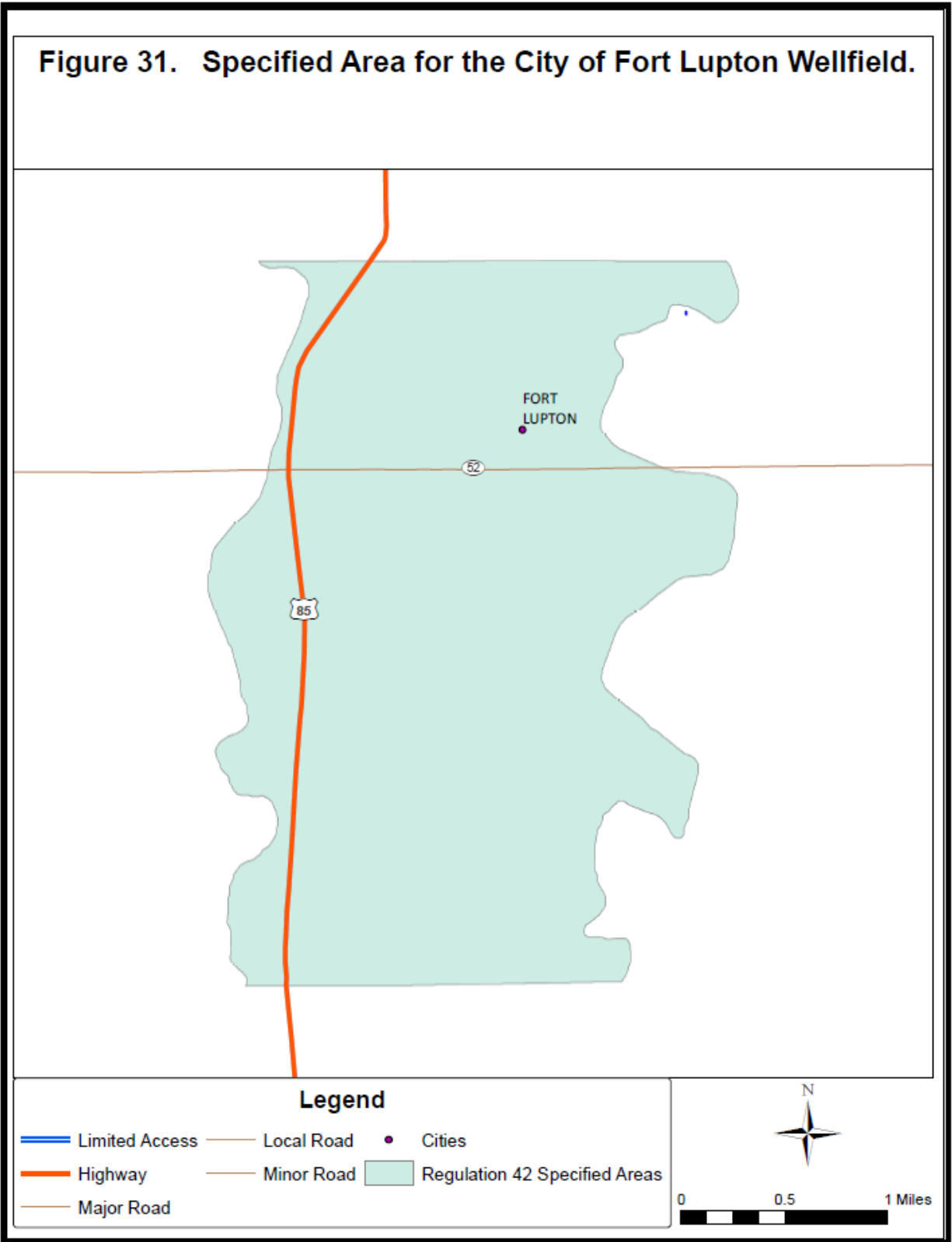


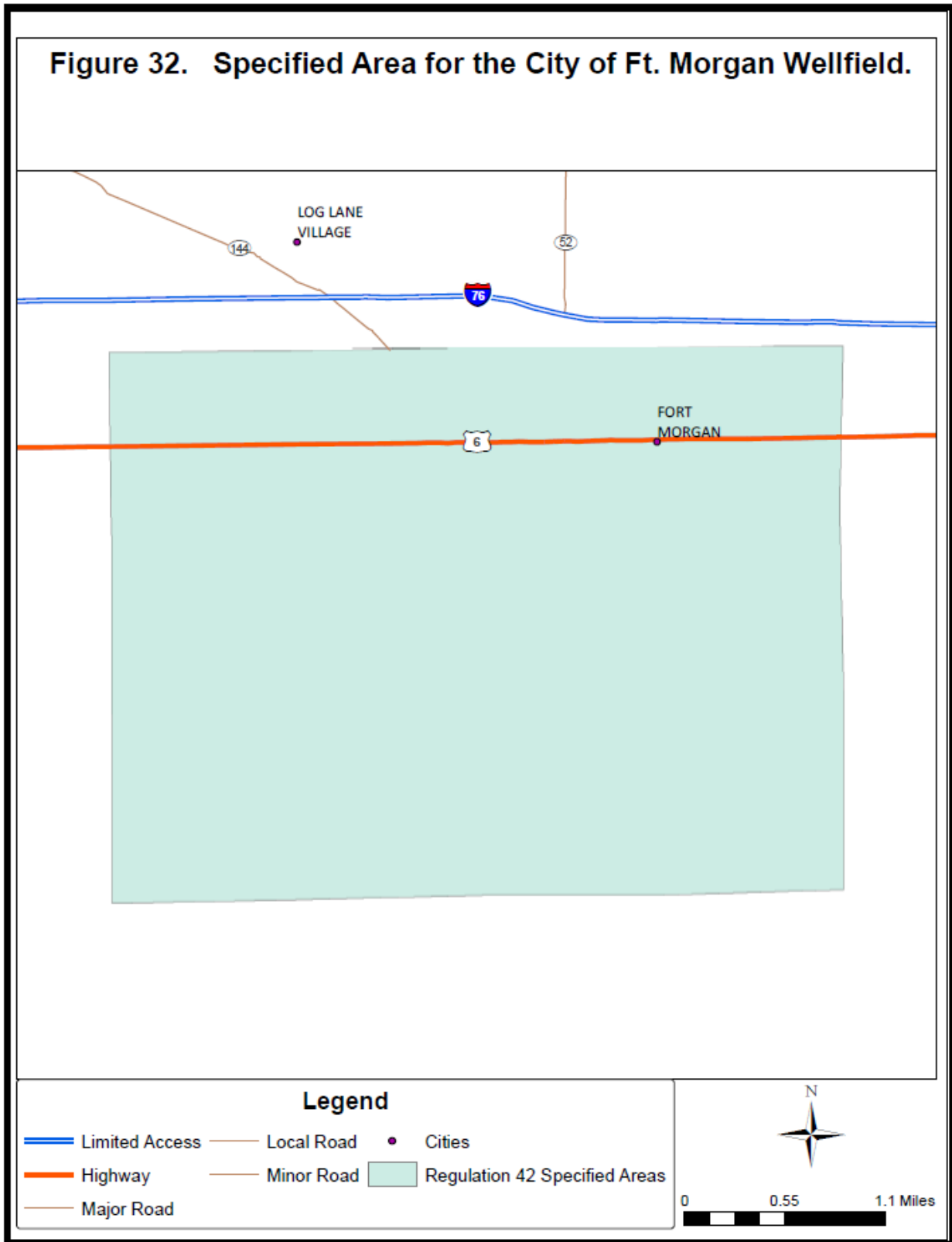


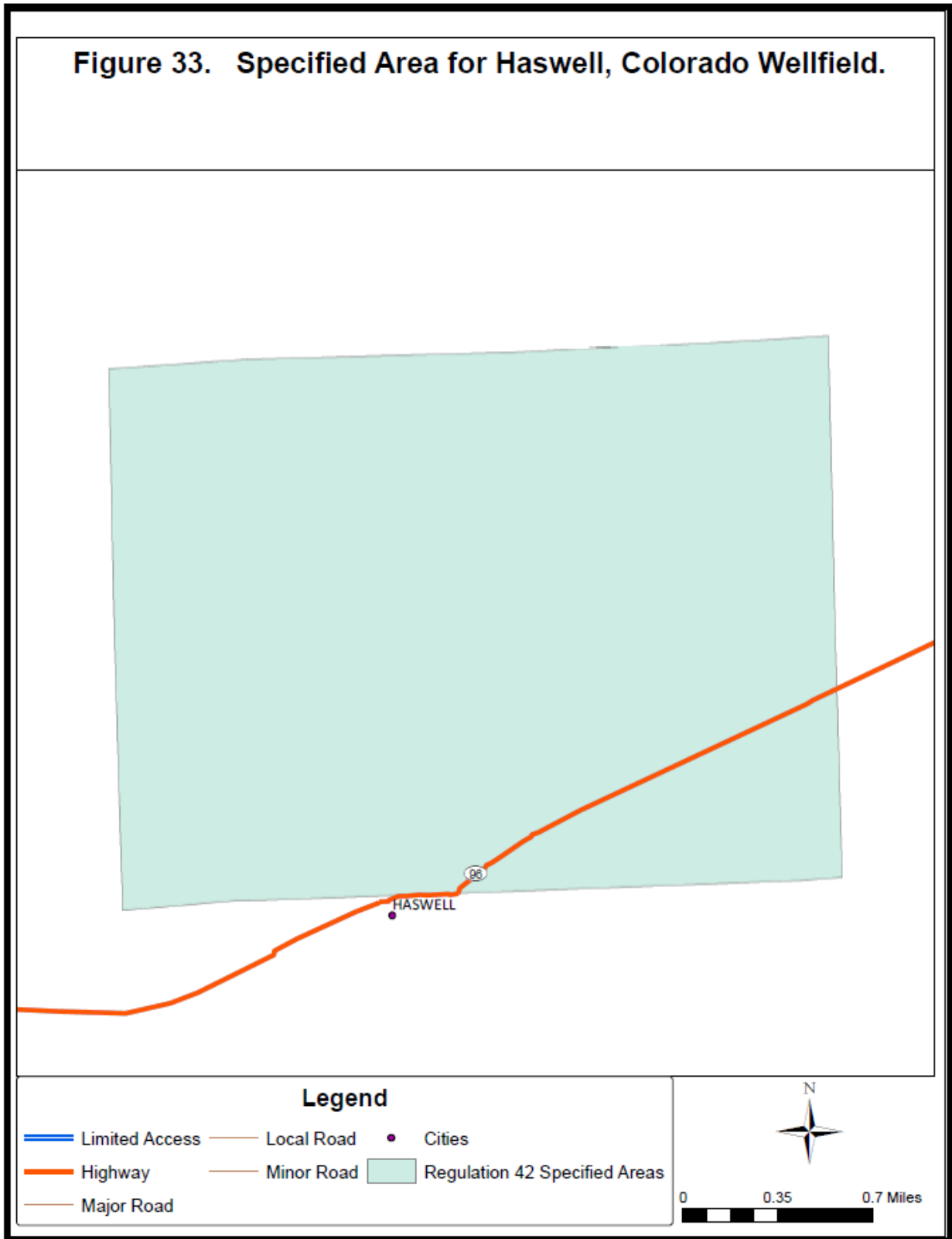


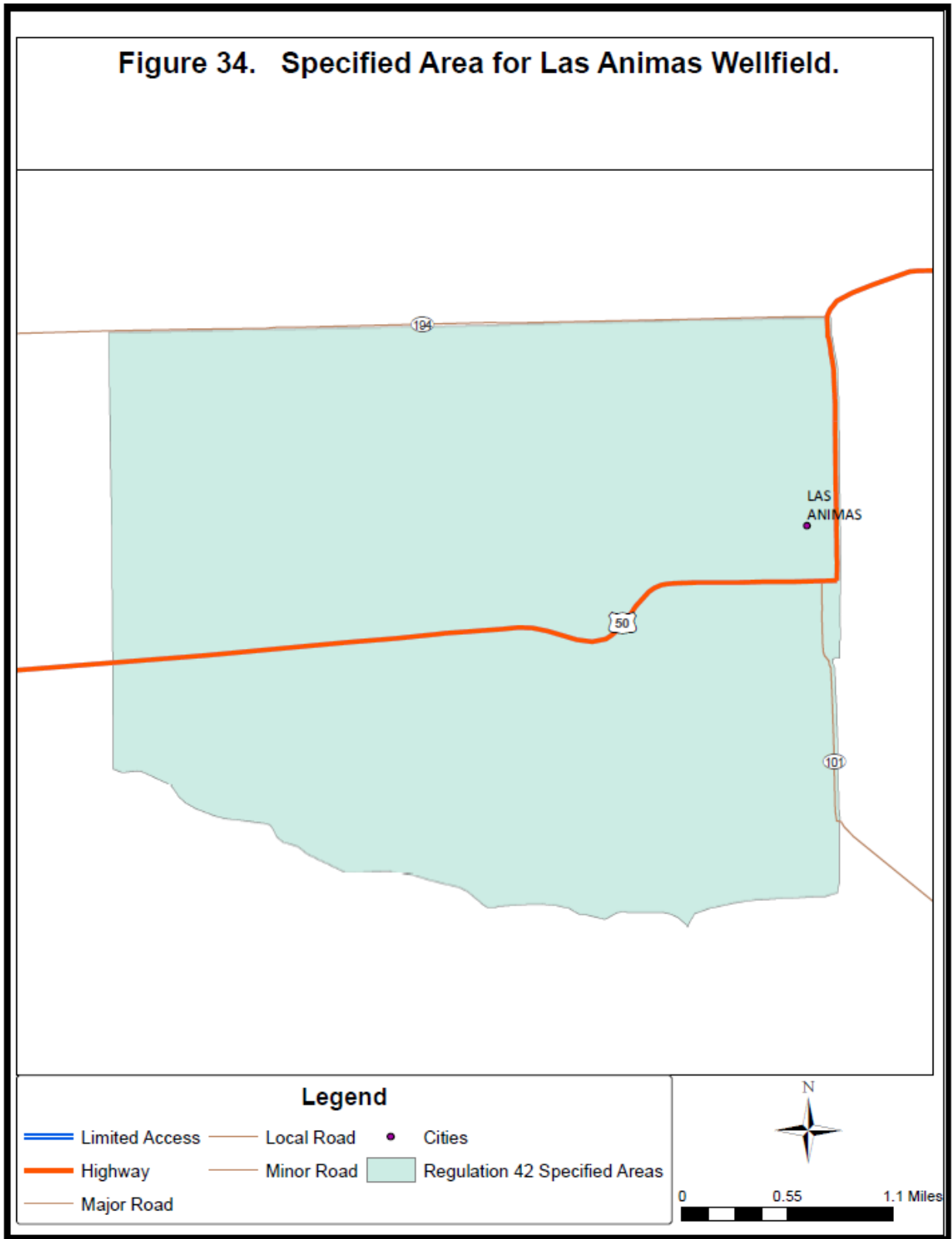


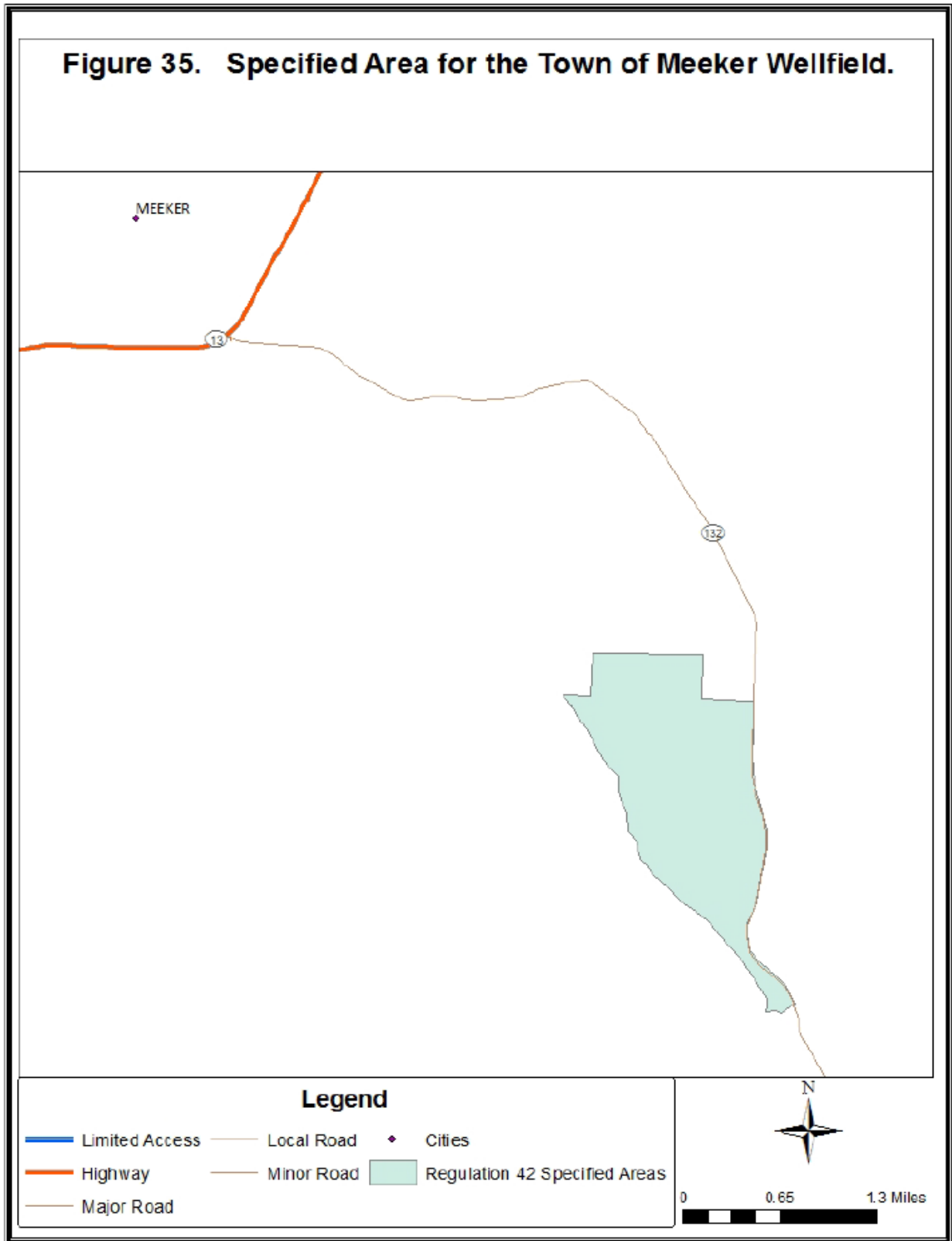


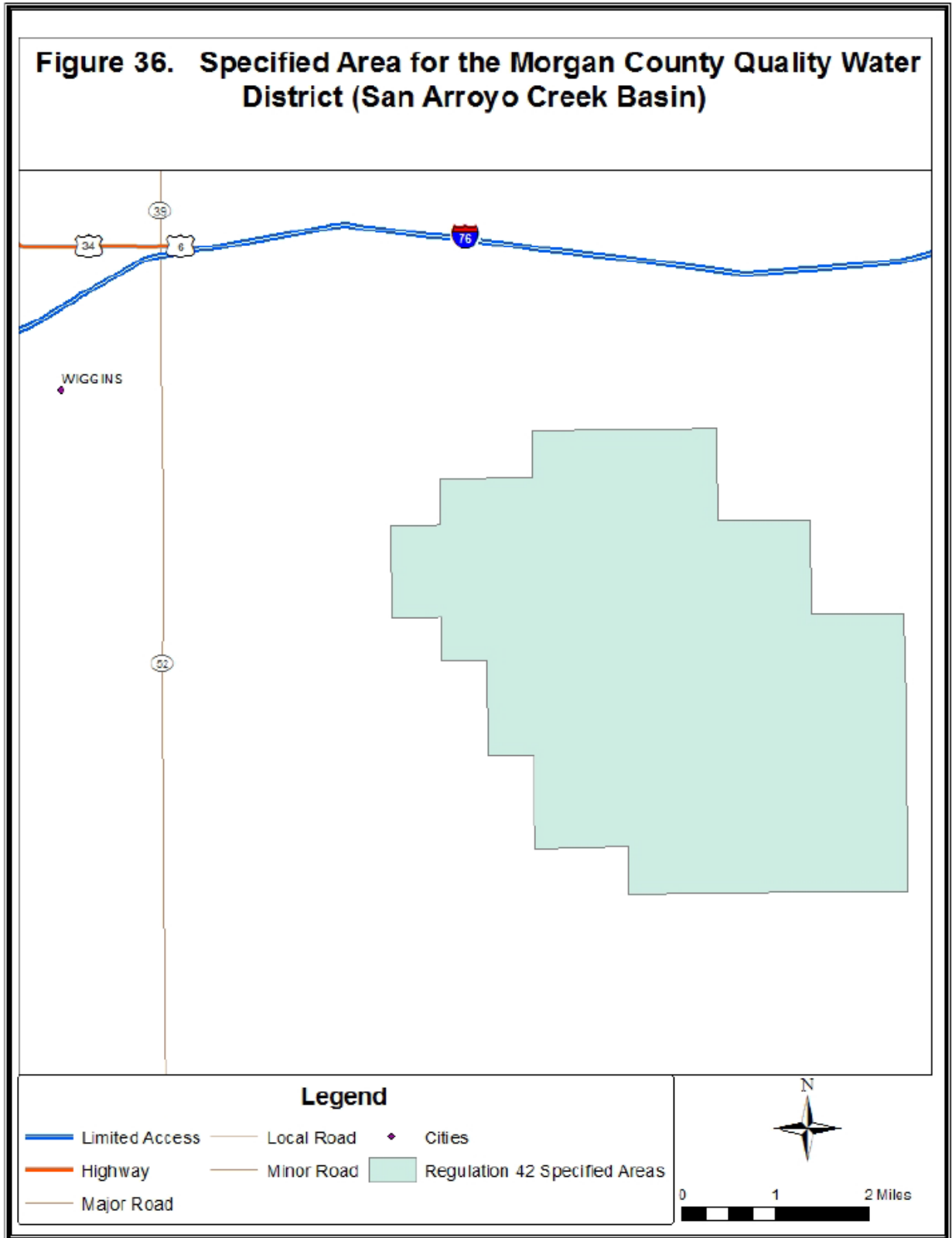


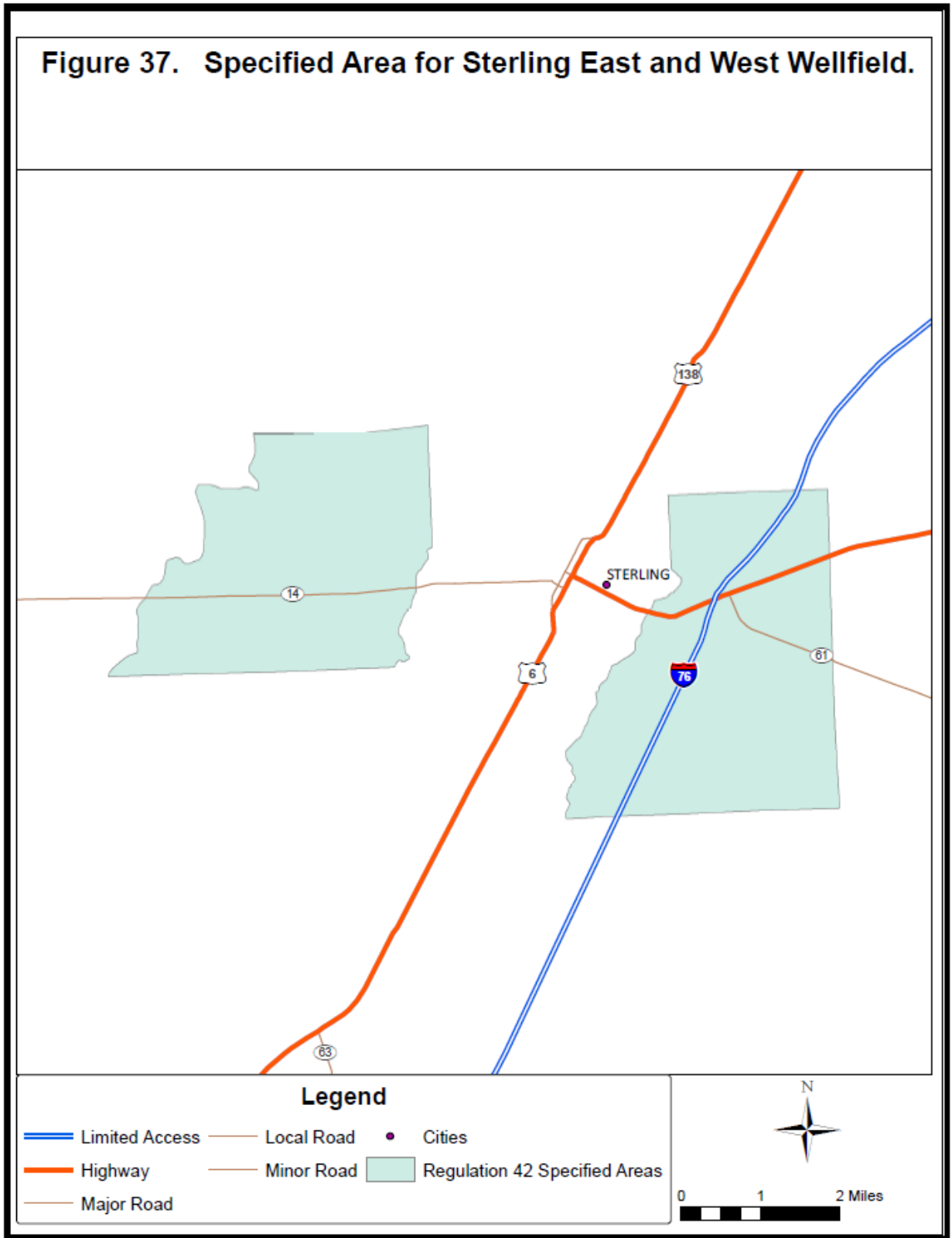


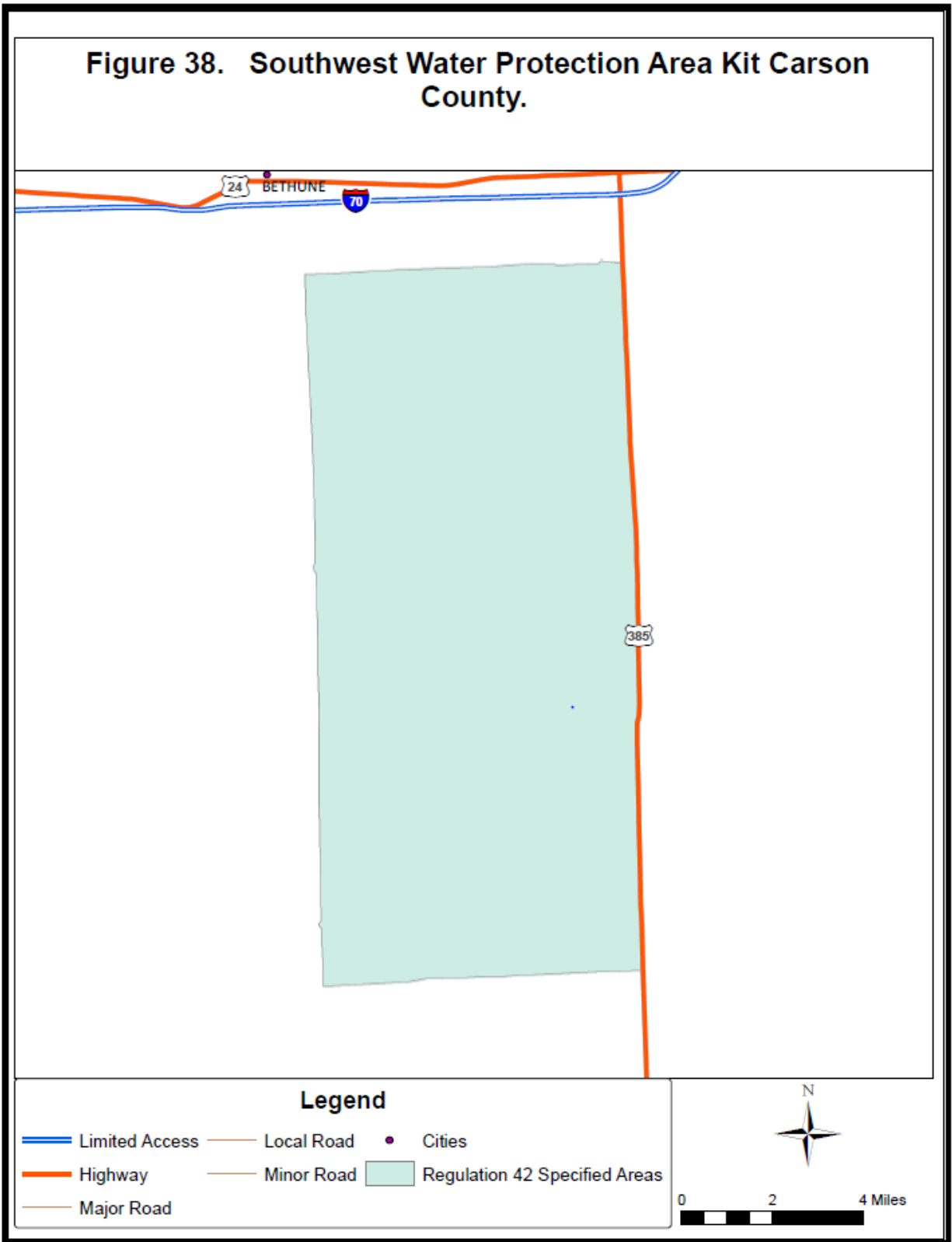


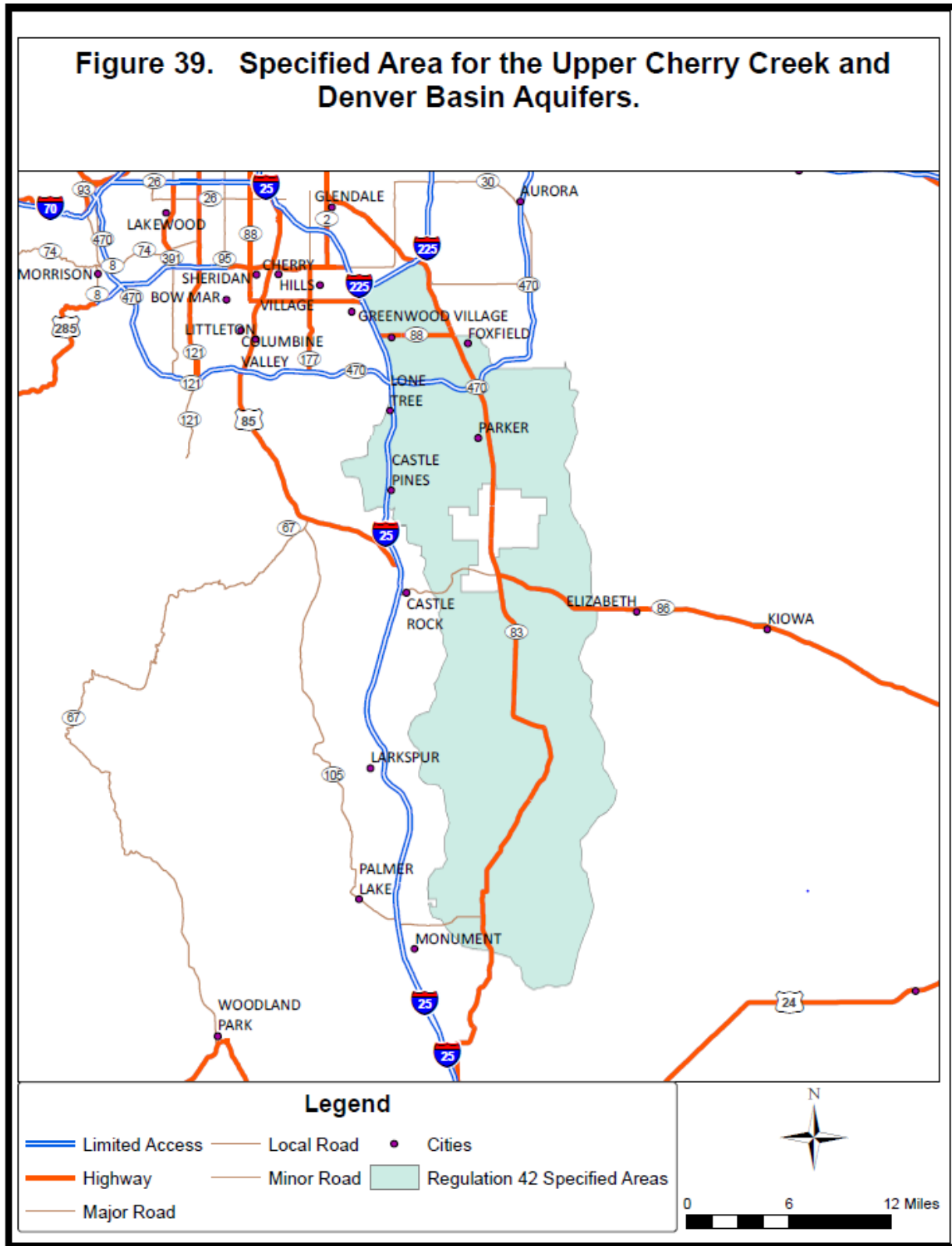


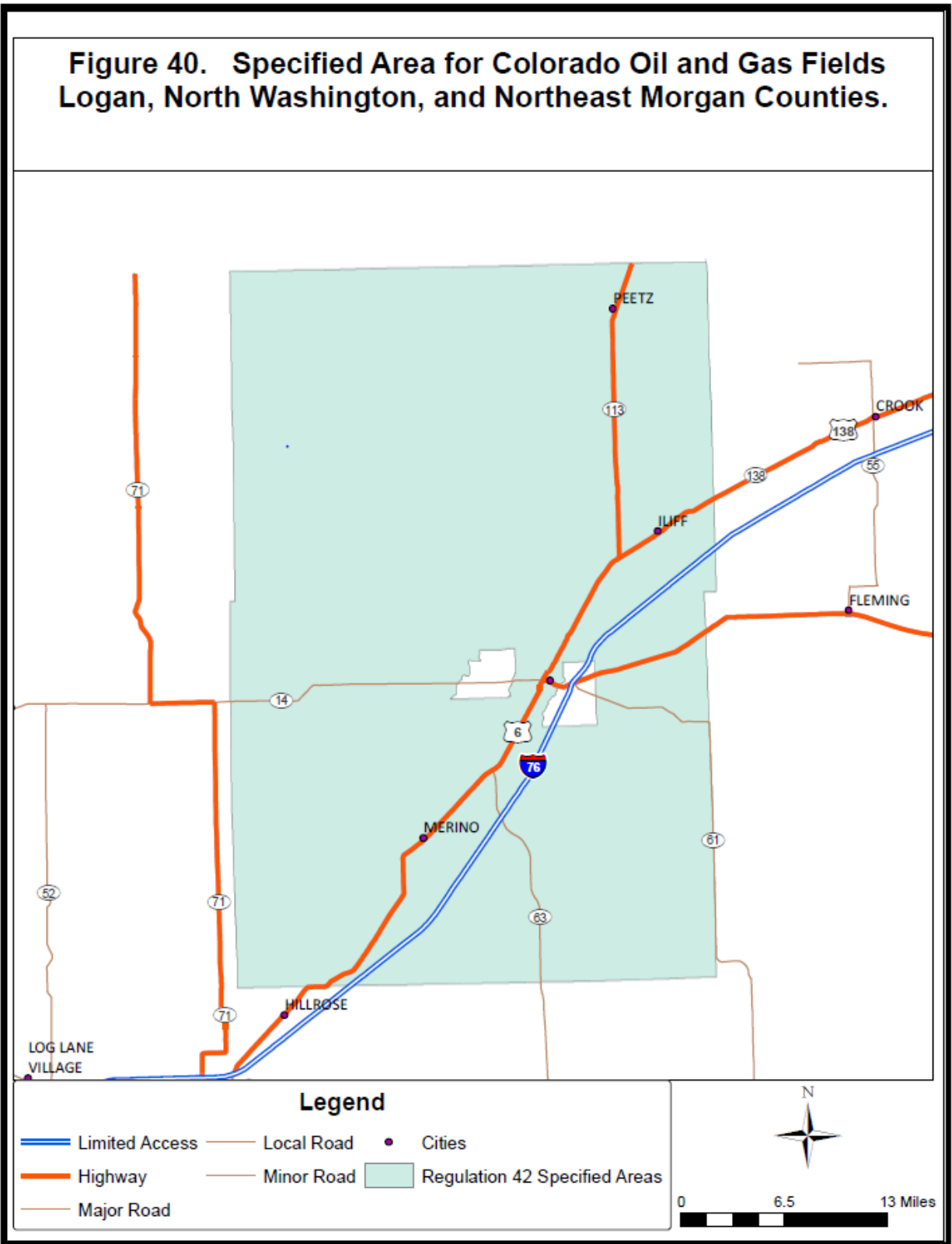


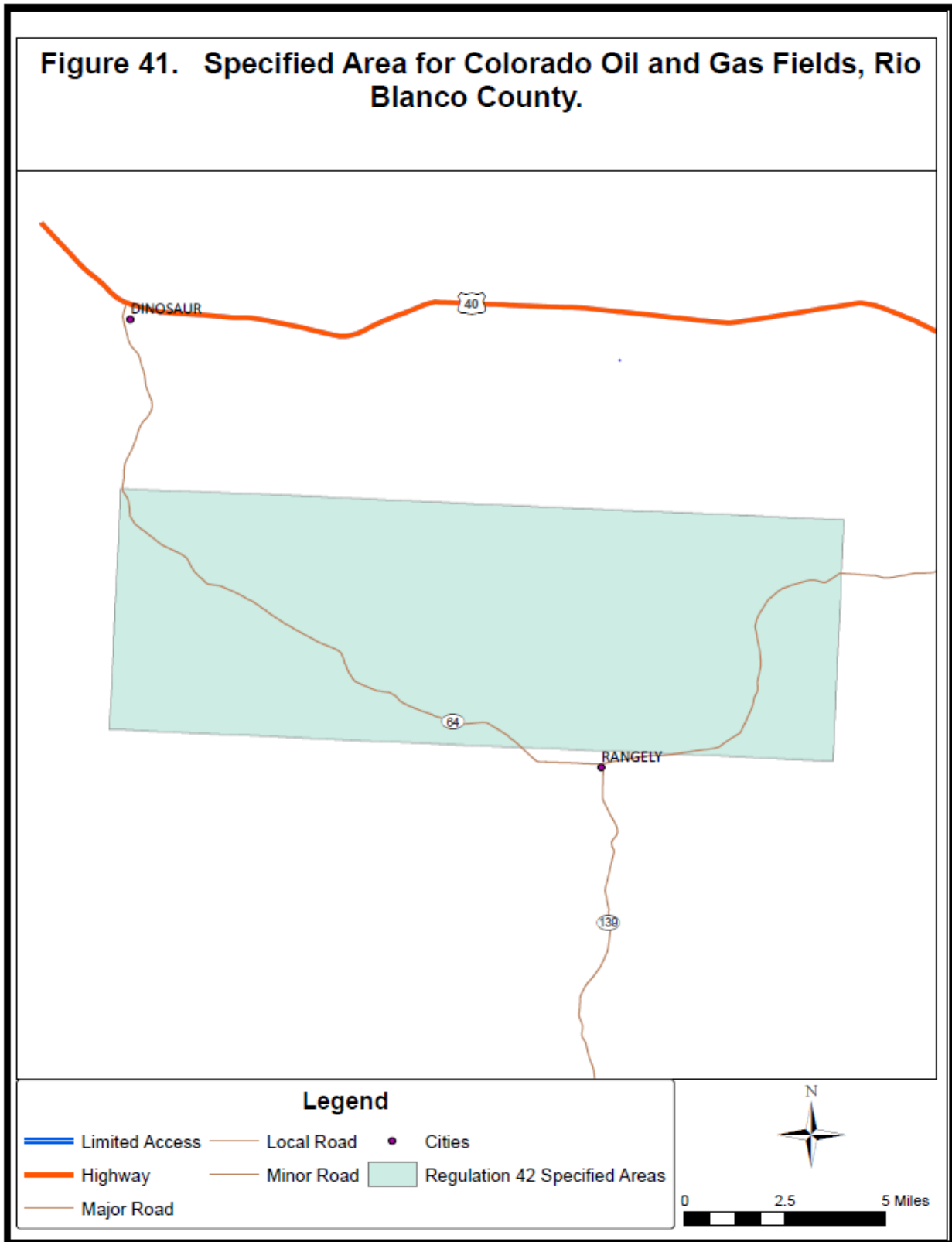


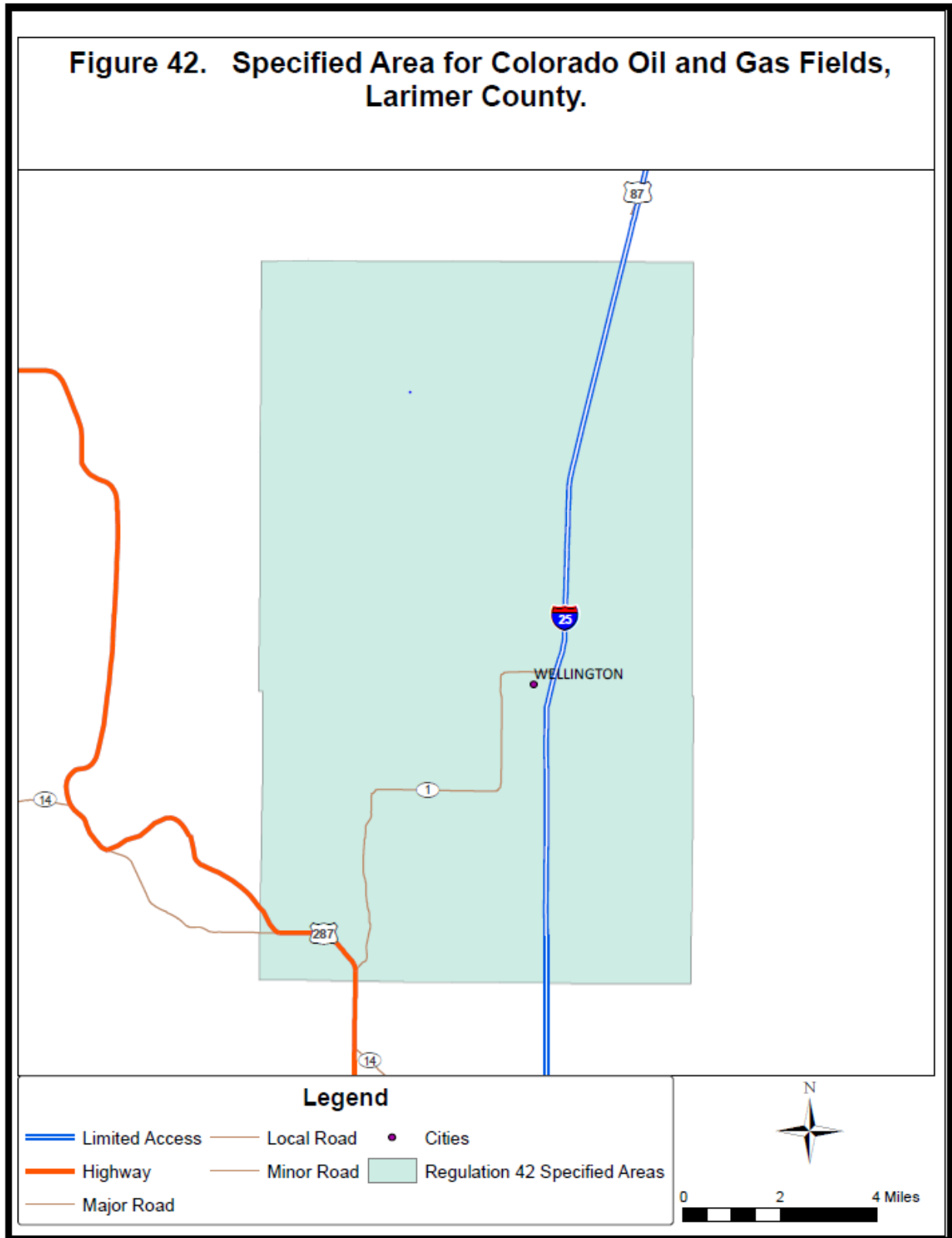


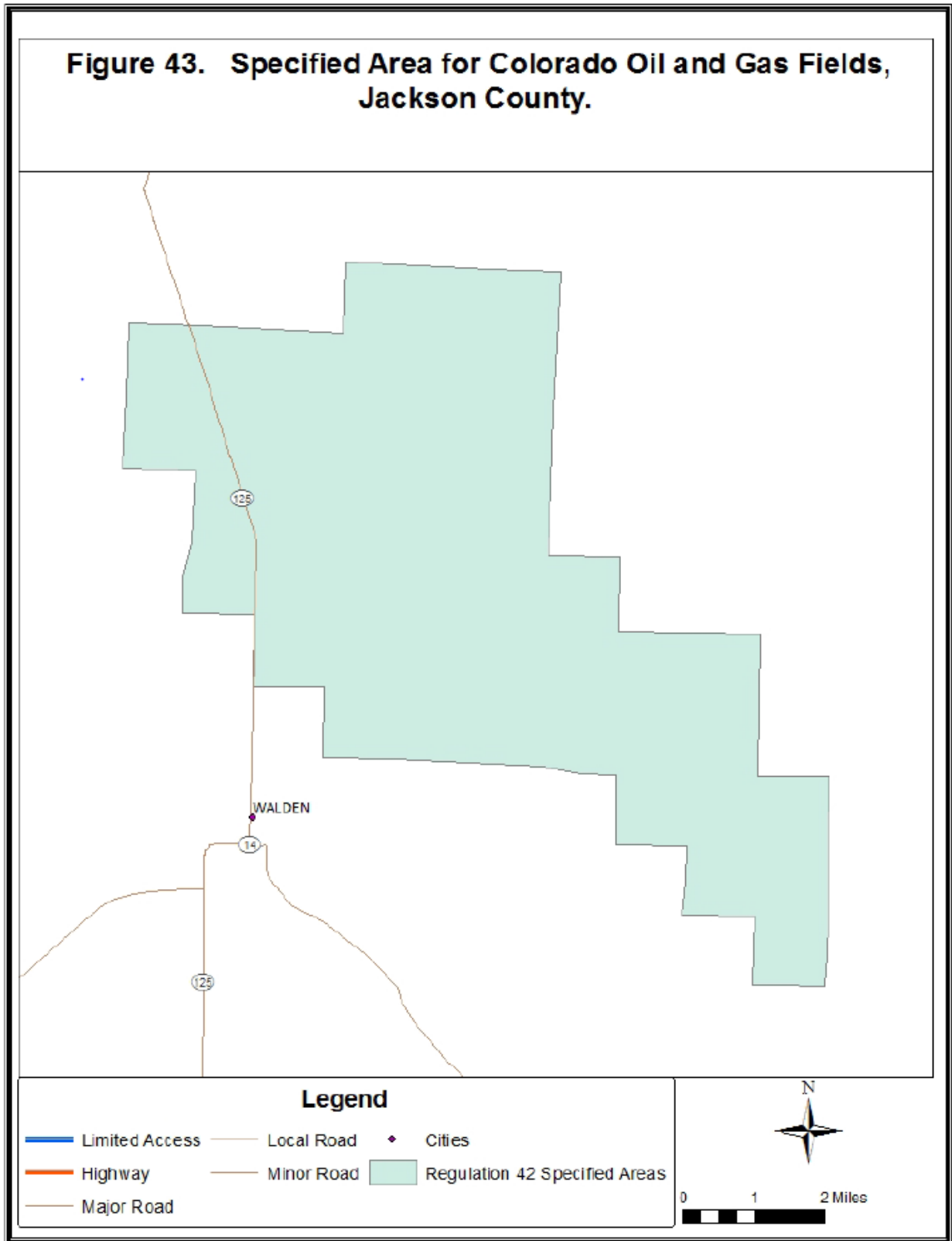


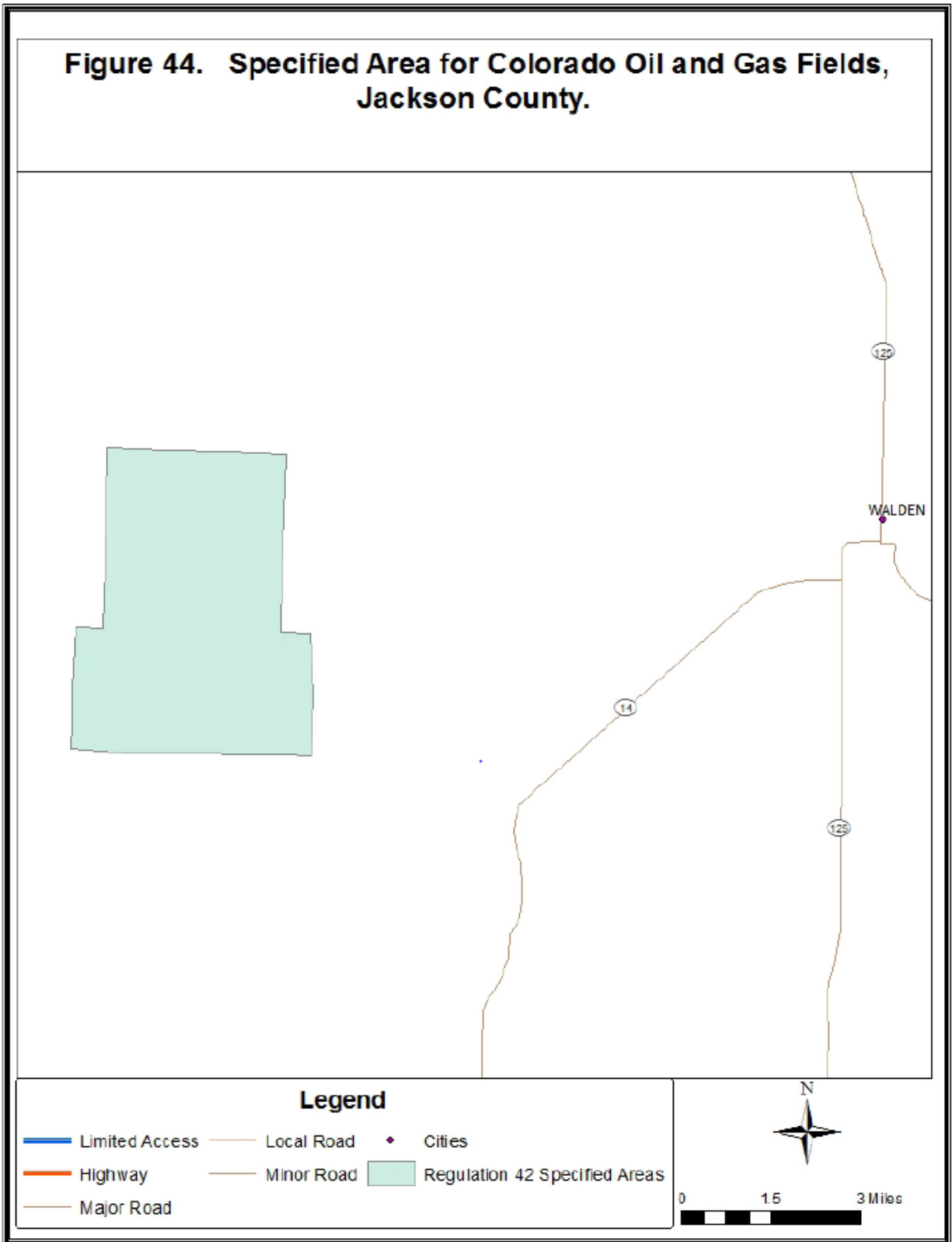


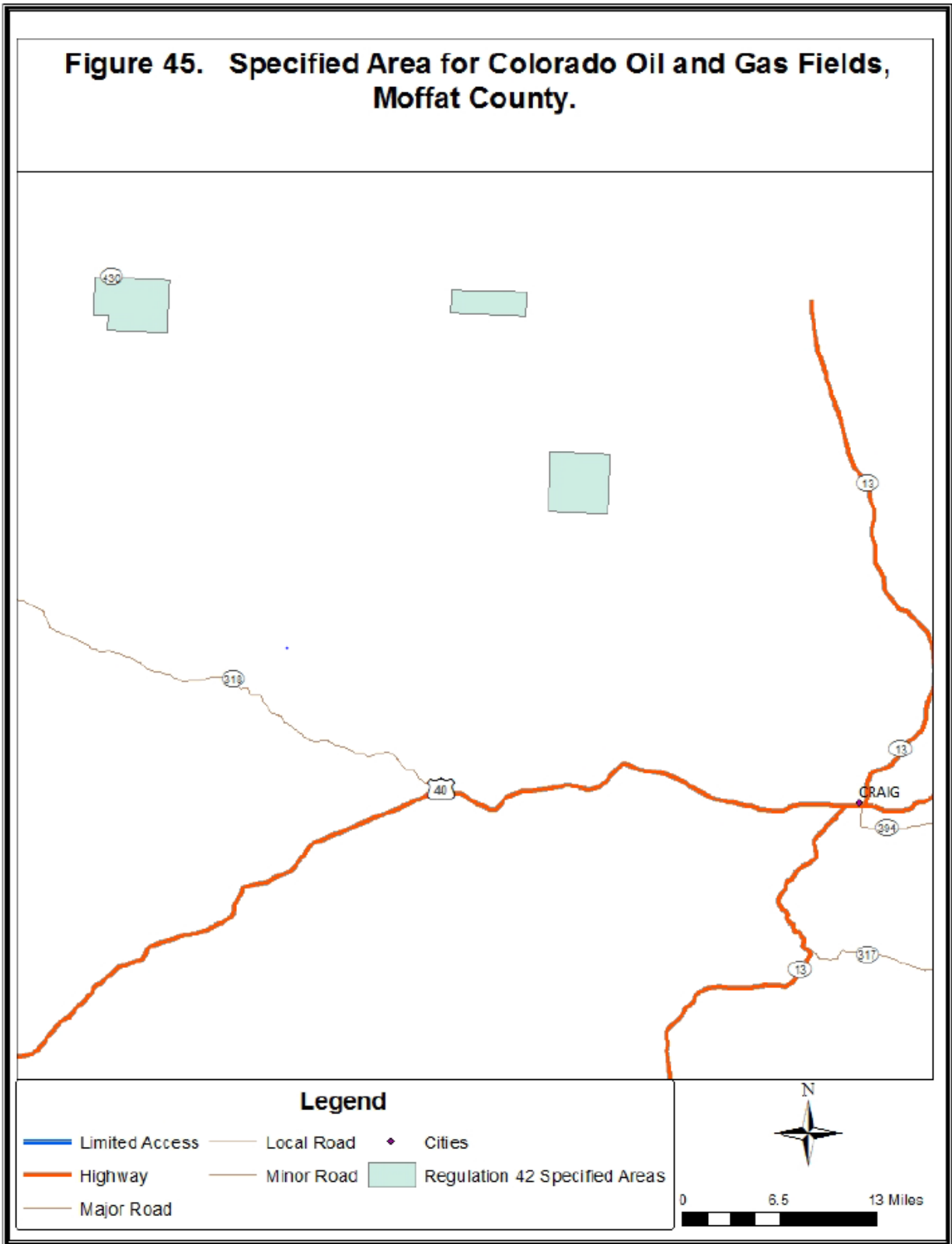


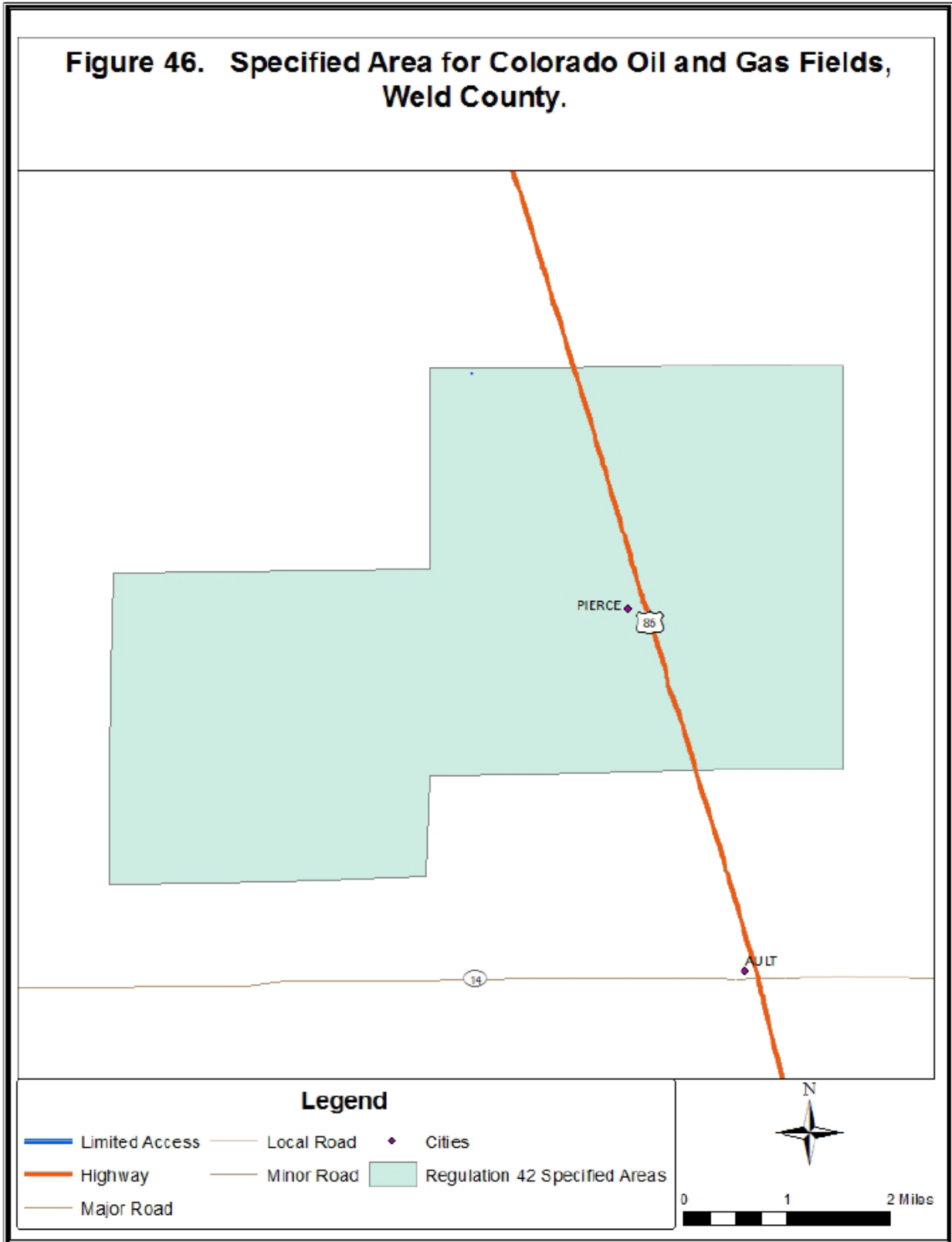


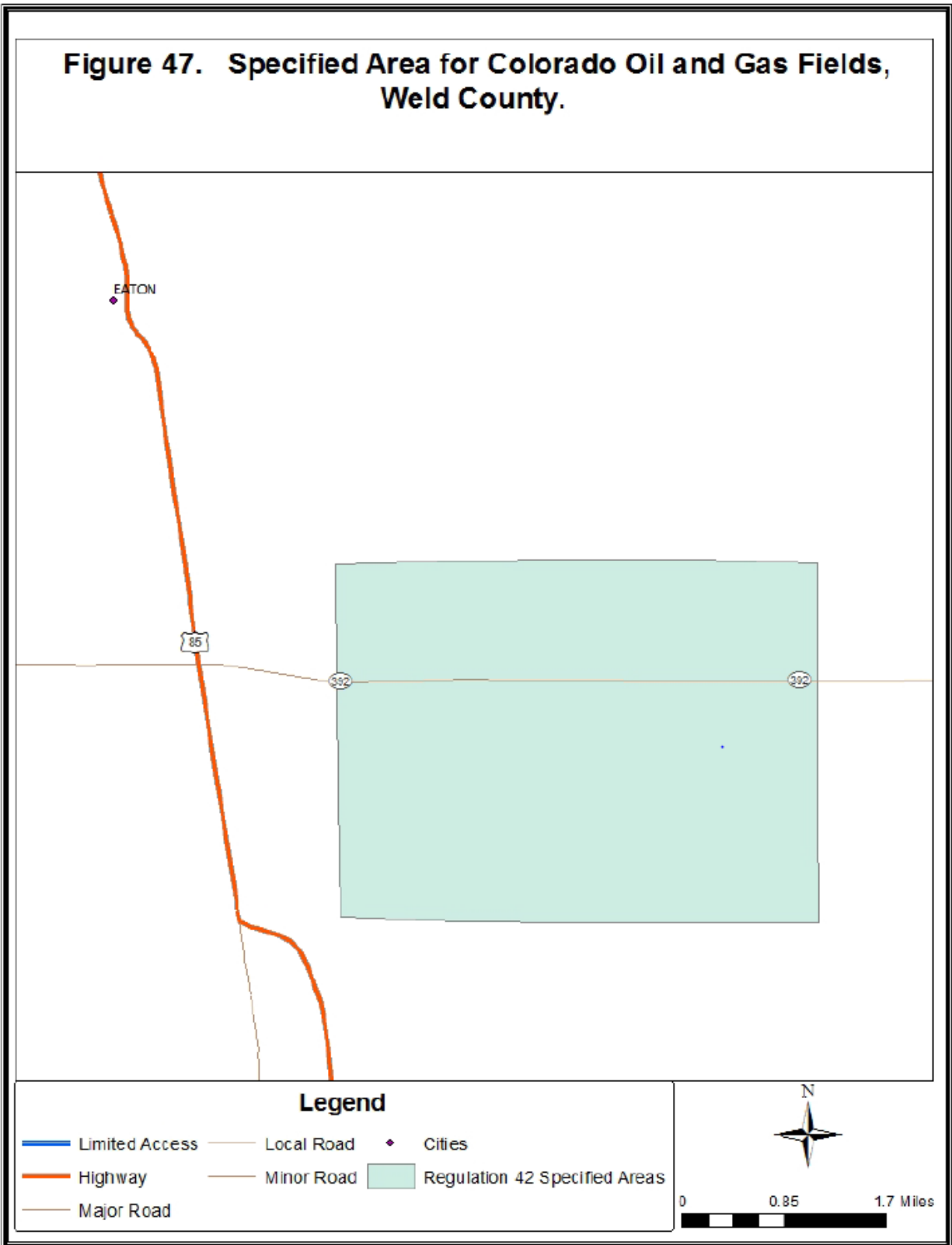


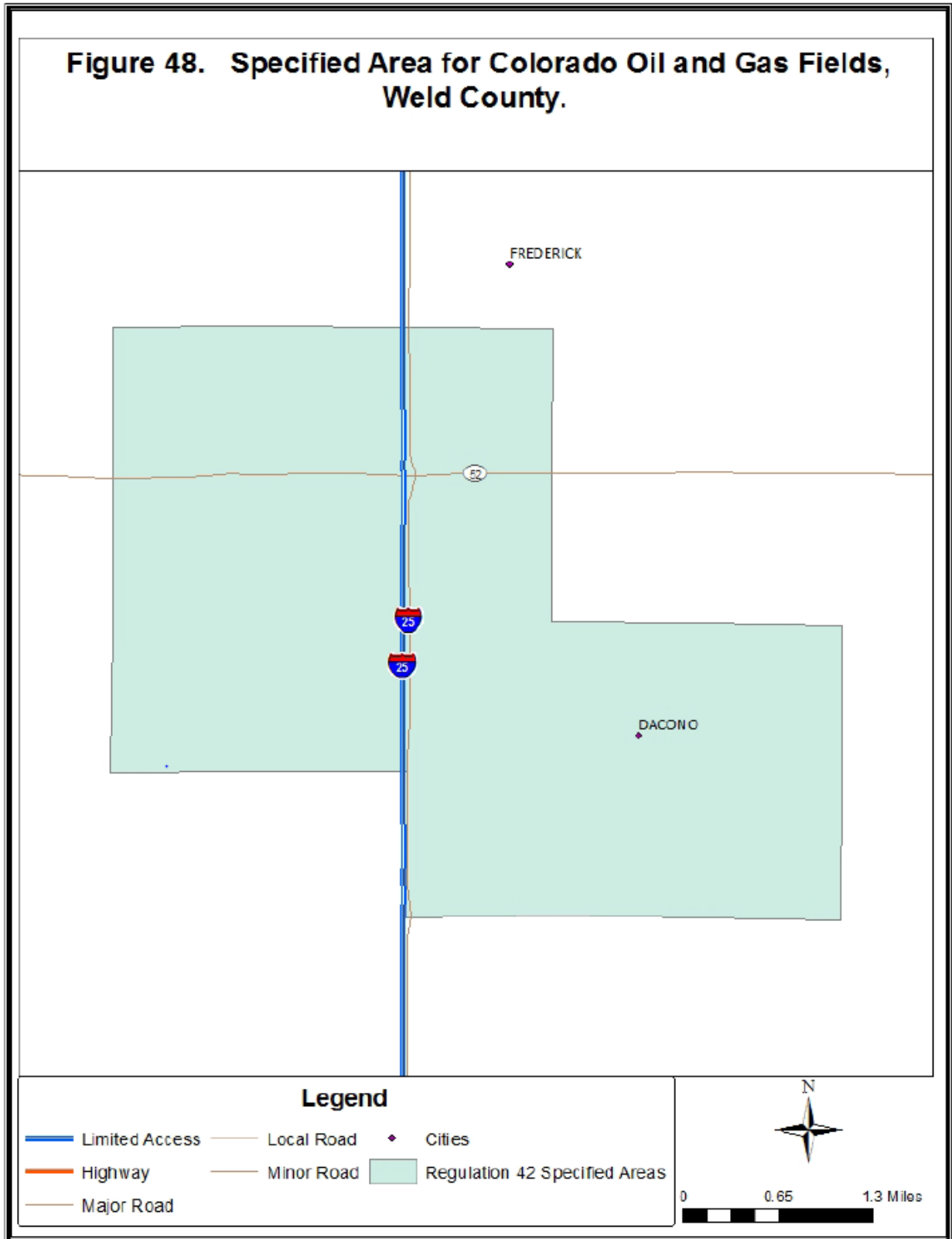


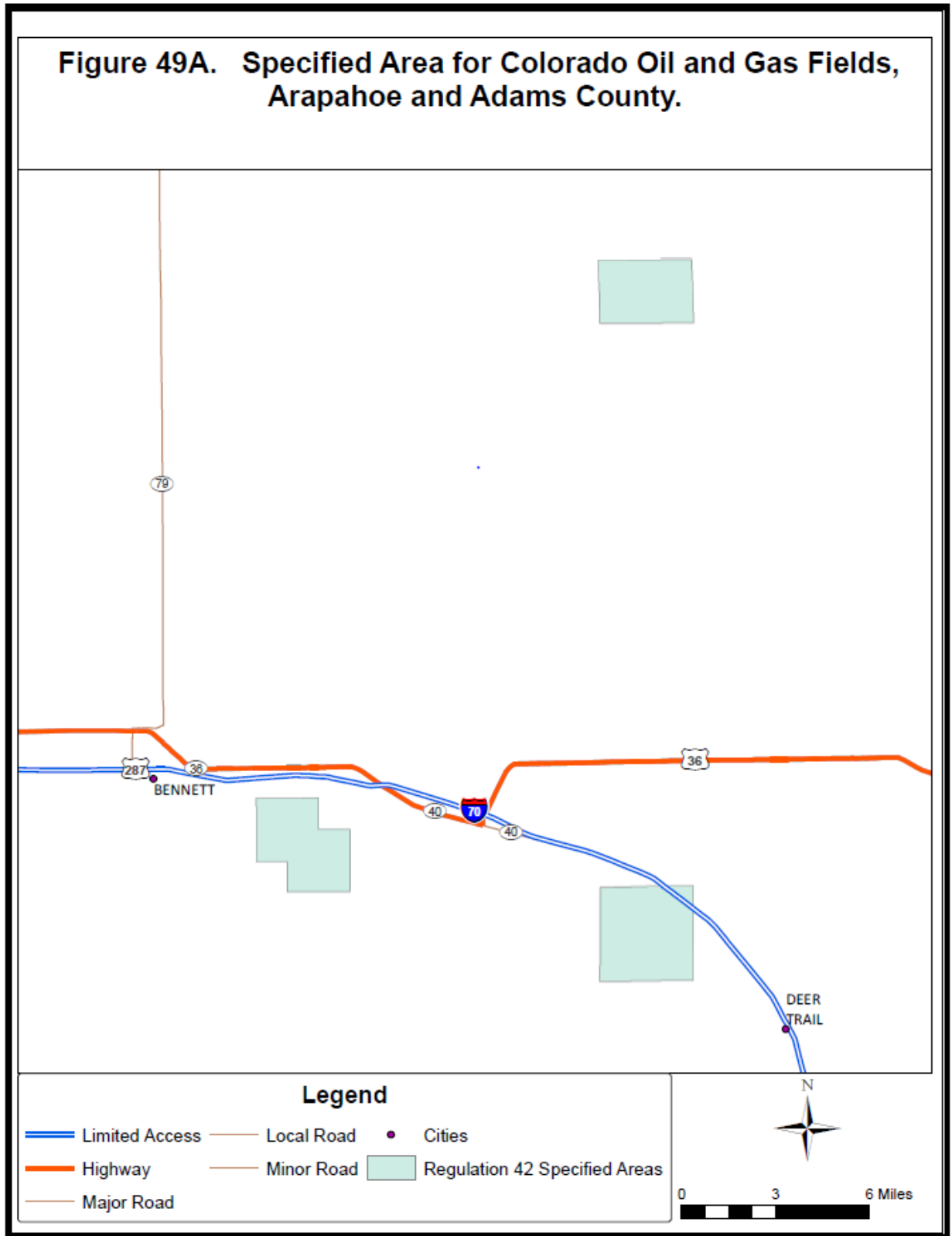


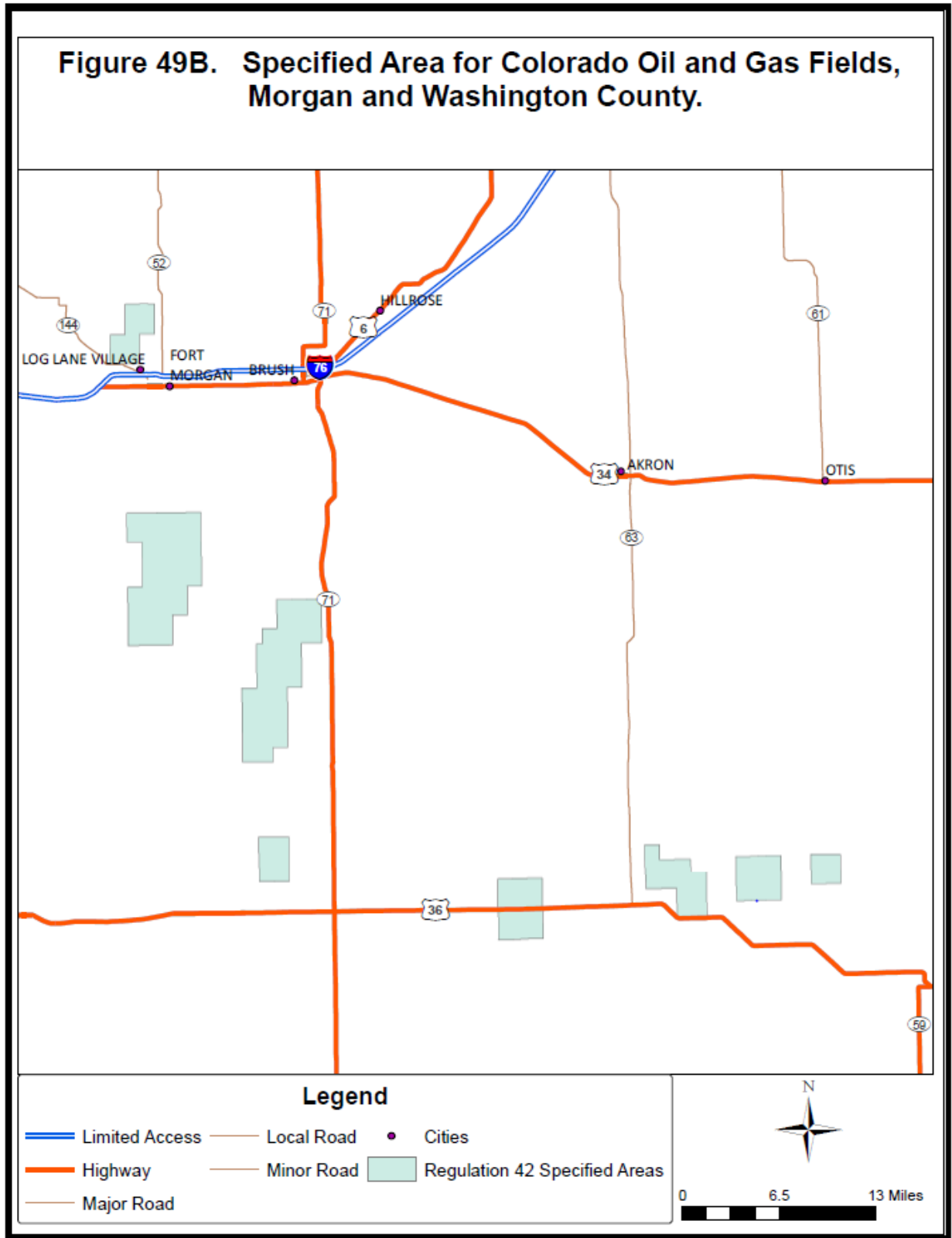


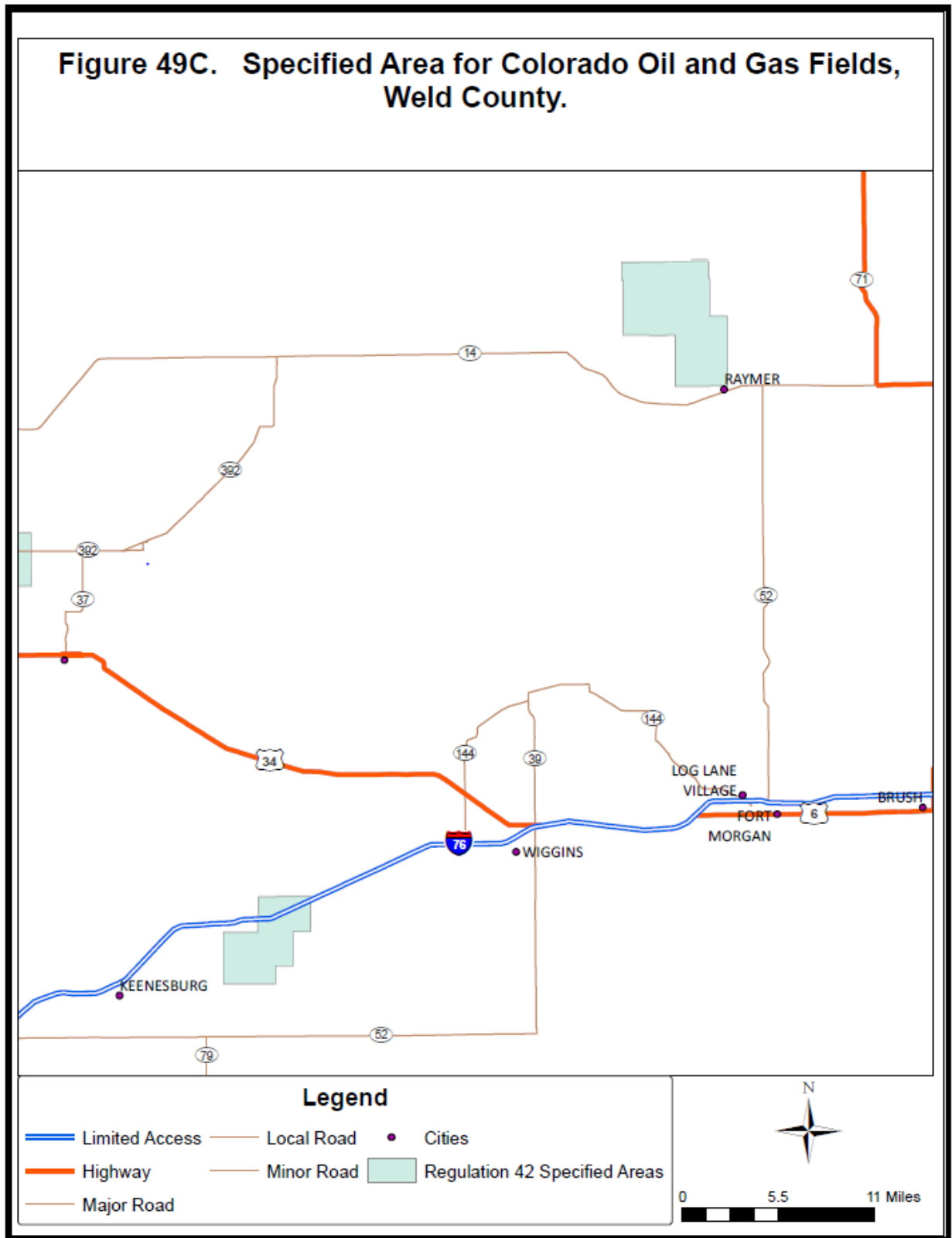


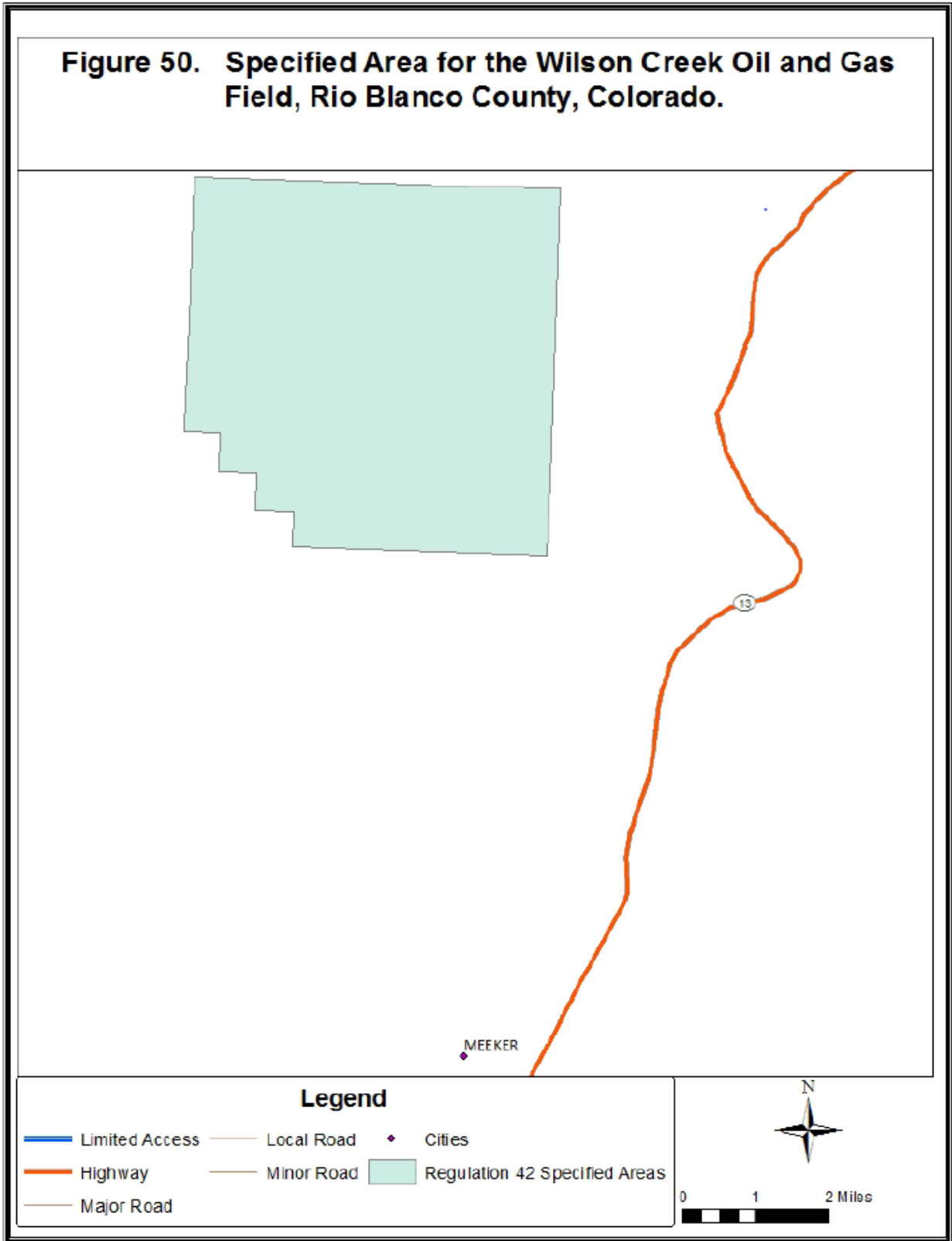


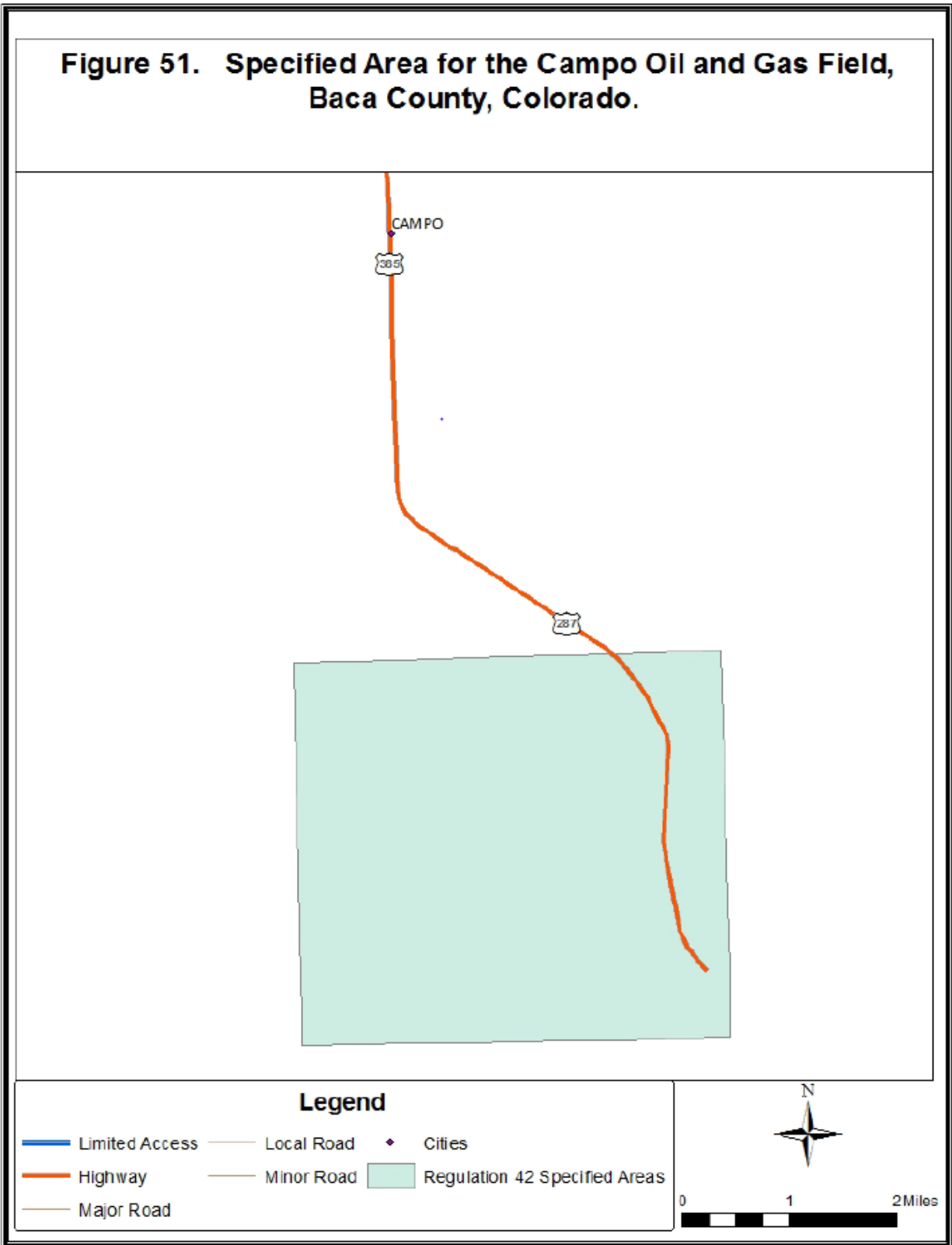


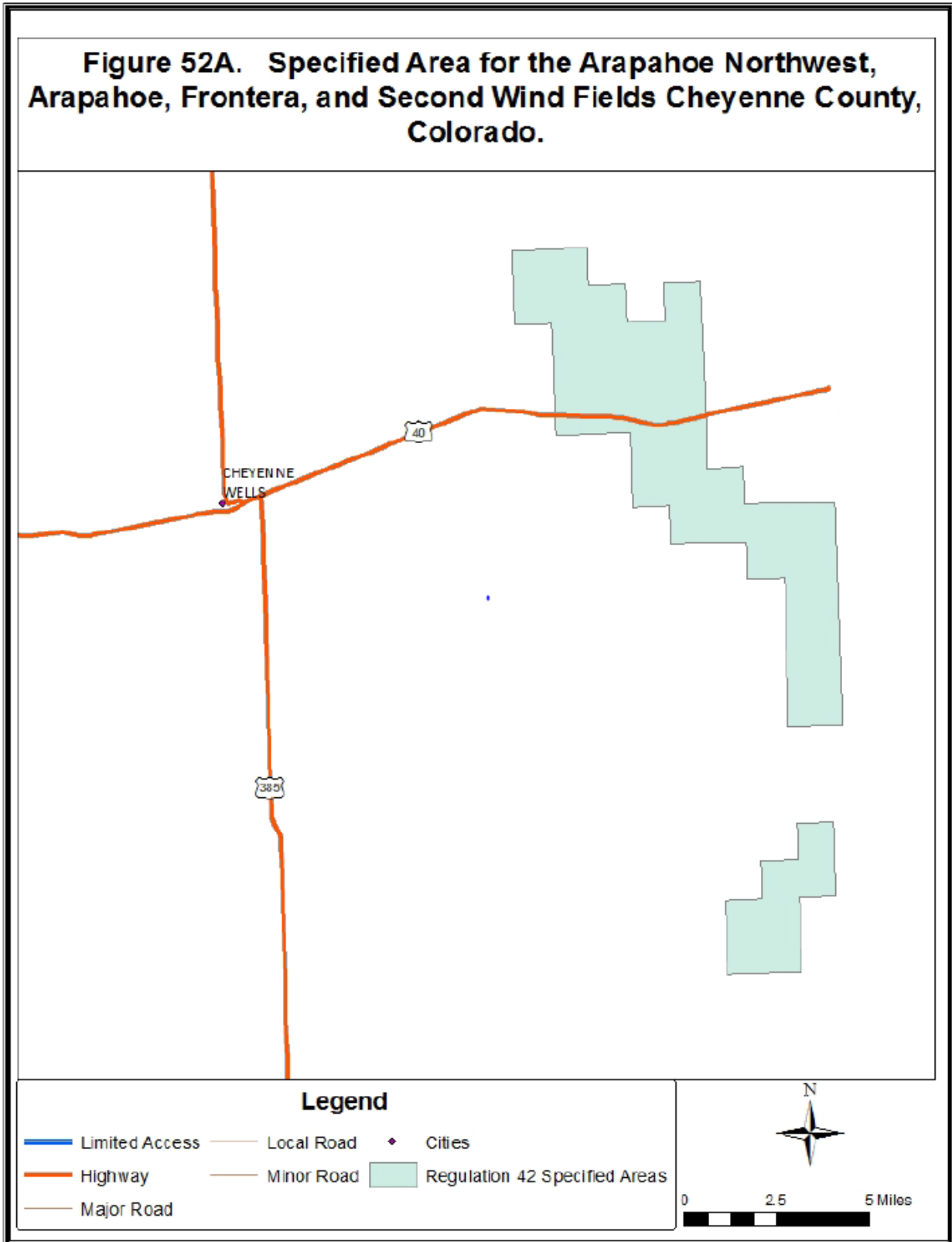


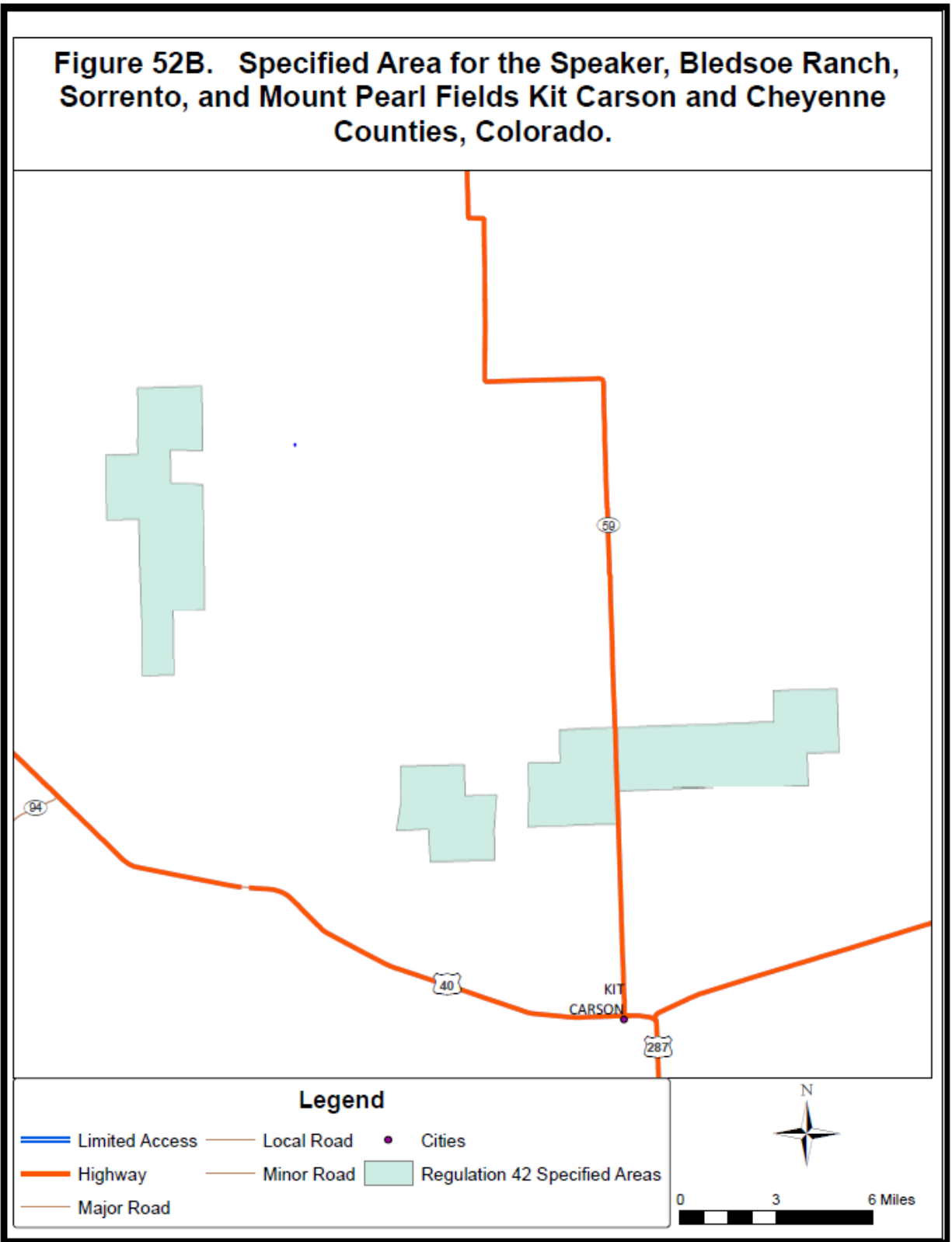


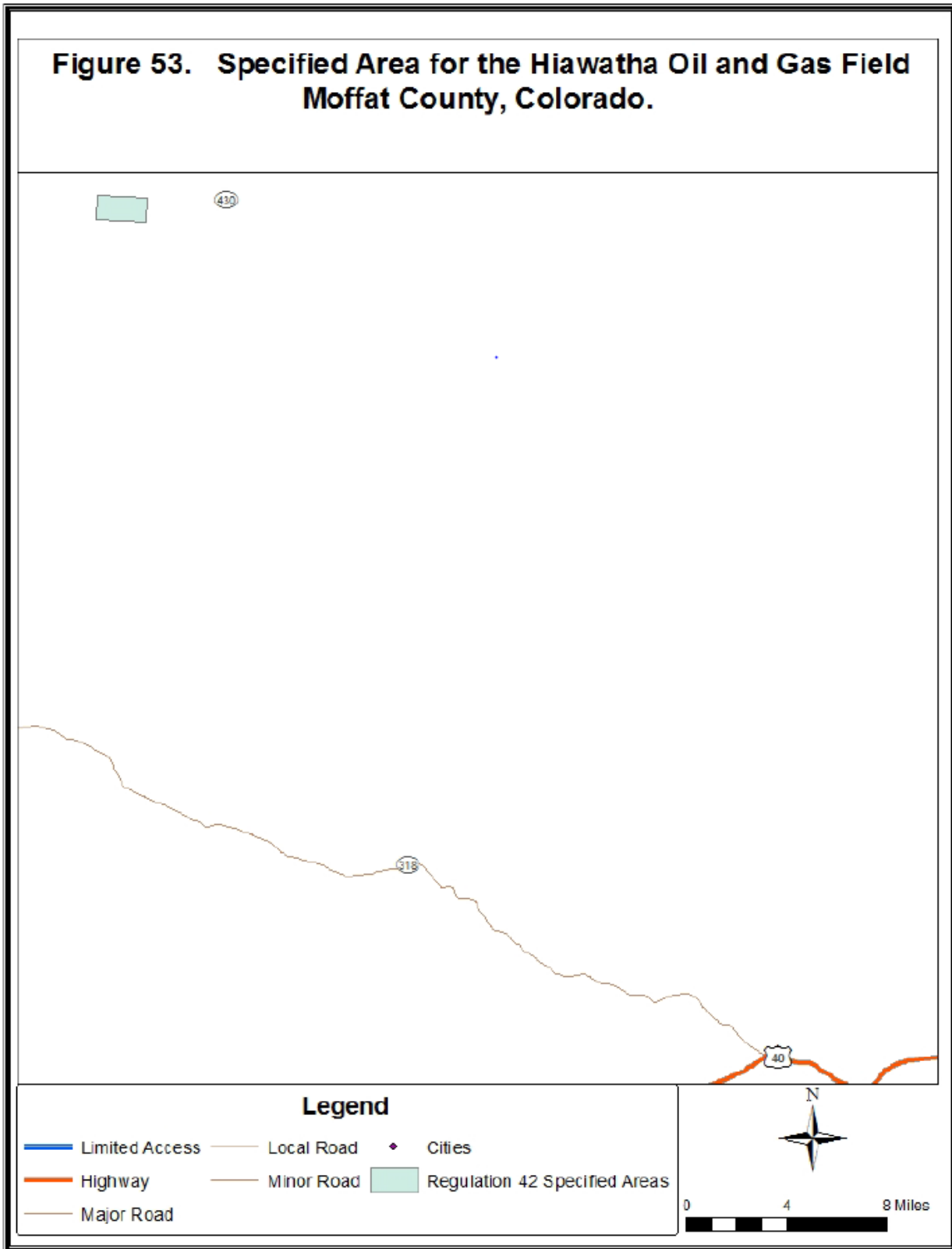


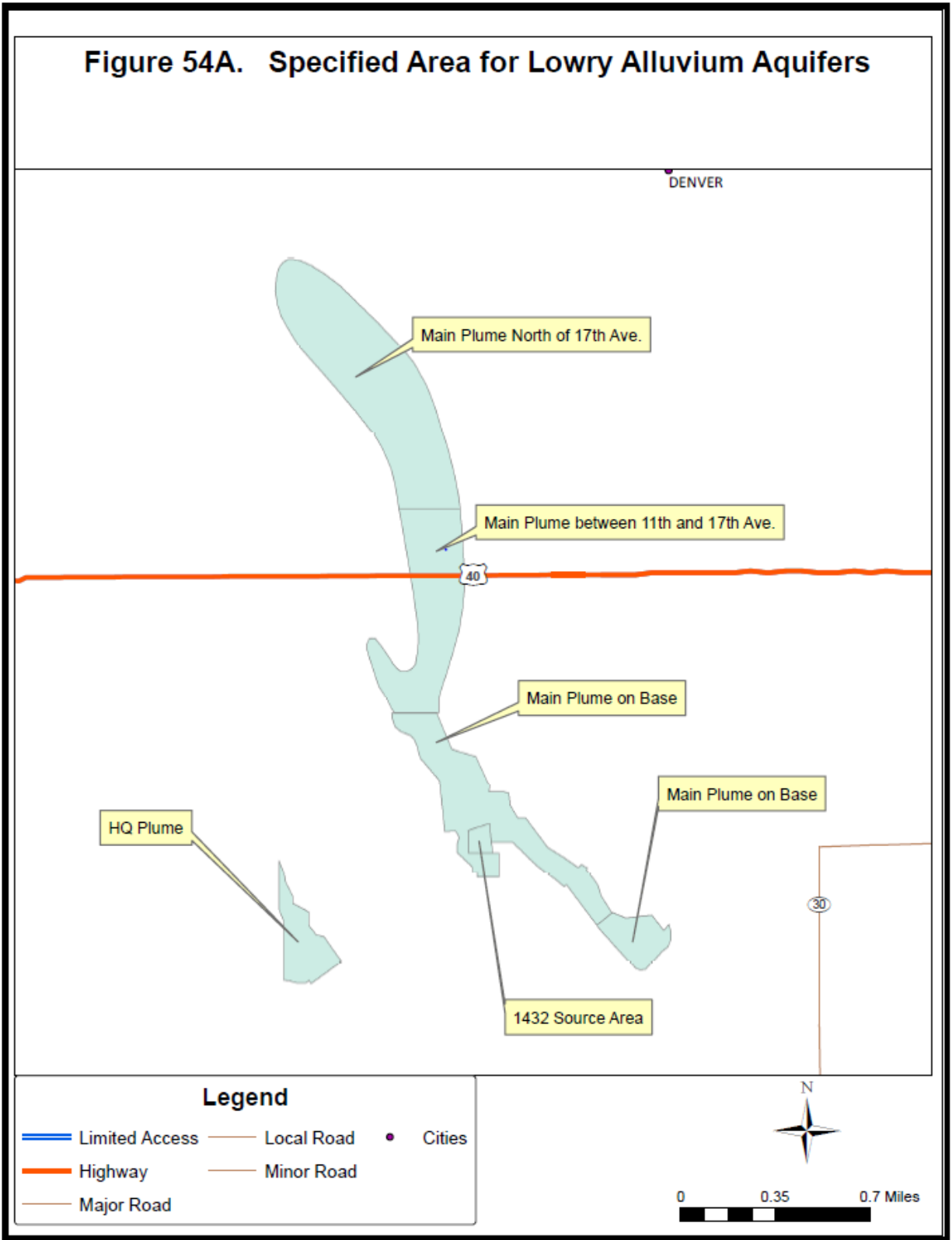












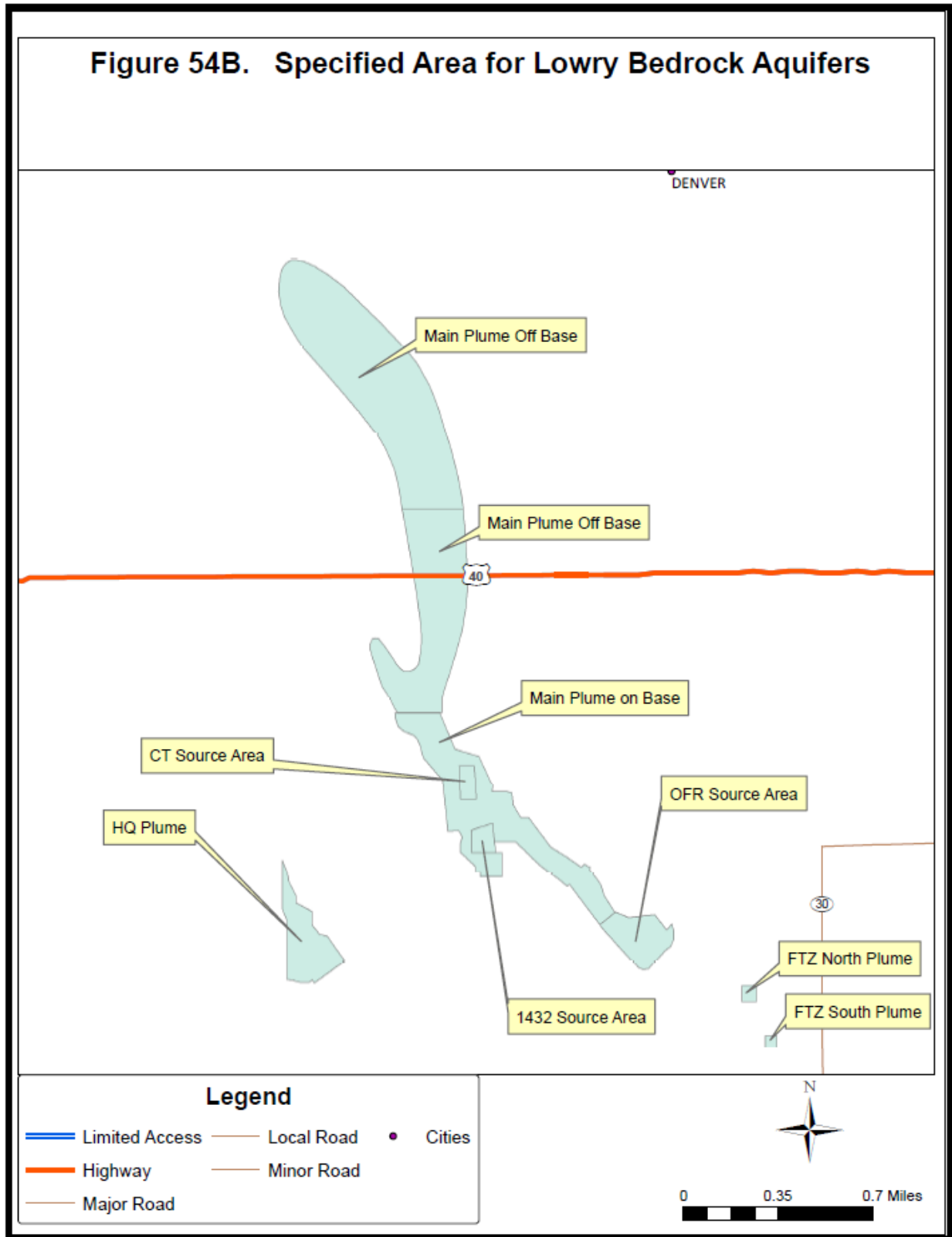
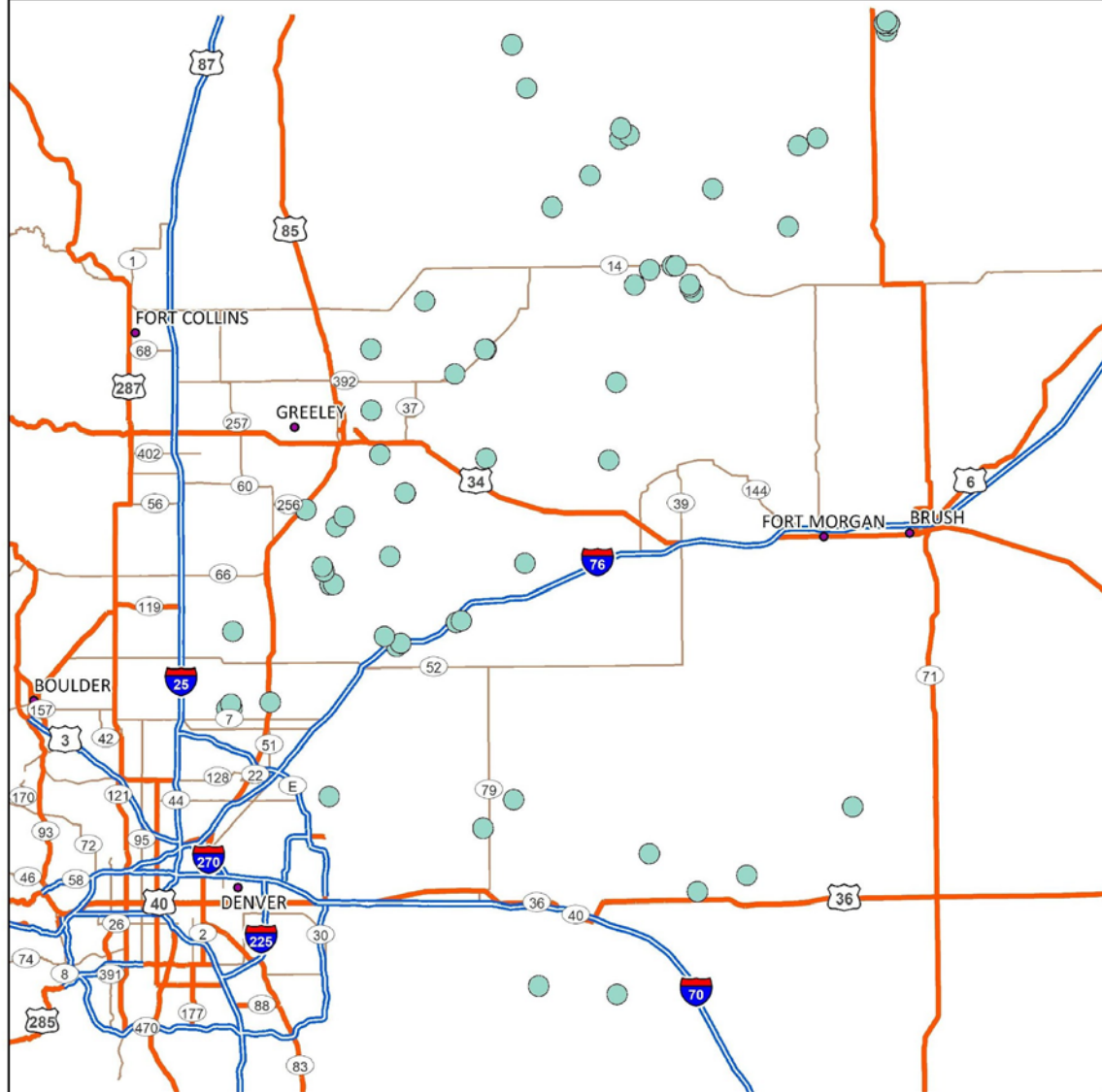


Figure 55. Oil and Gas fields of Larimer, Weld, Boulder, Broomfield, Adams, Denver, Jefferson, and Arapahoe counties



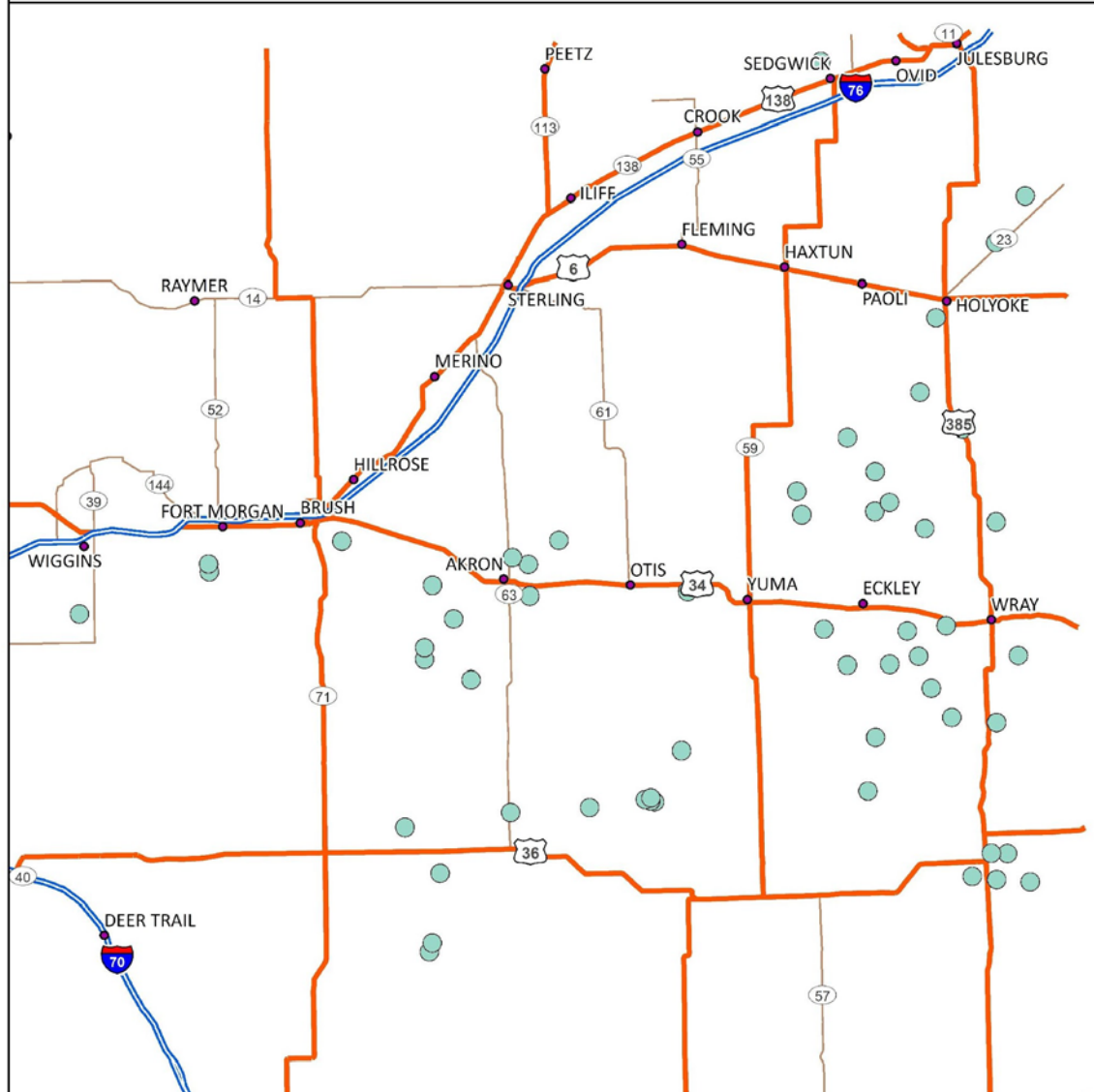
Legend

| | | |
|------------------|--------------|---------------------|
| ● Cities | — Major Road | ■ Specified Area 55 |
| — Limited Access | — Local Road | |
| — Highway | — Minor Road | |

N

0 10 20 Miles

Figure 56. Oil and Gas fields of Morgan, Logan, Sedgwick, Phillips, Washington, and Yuma counties



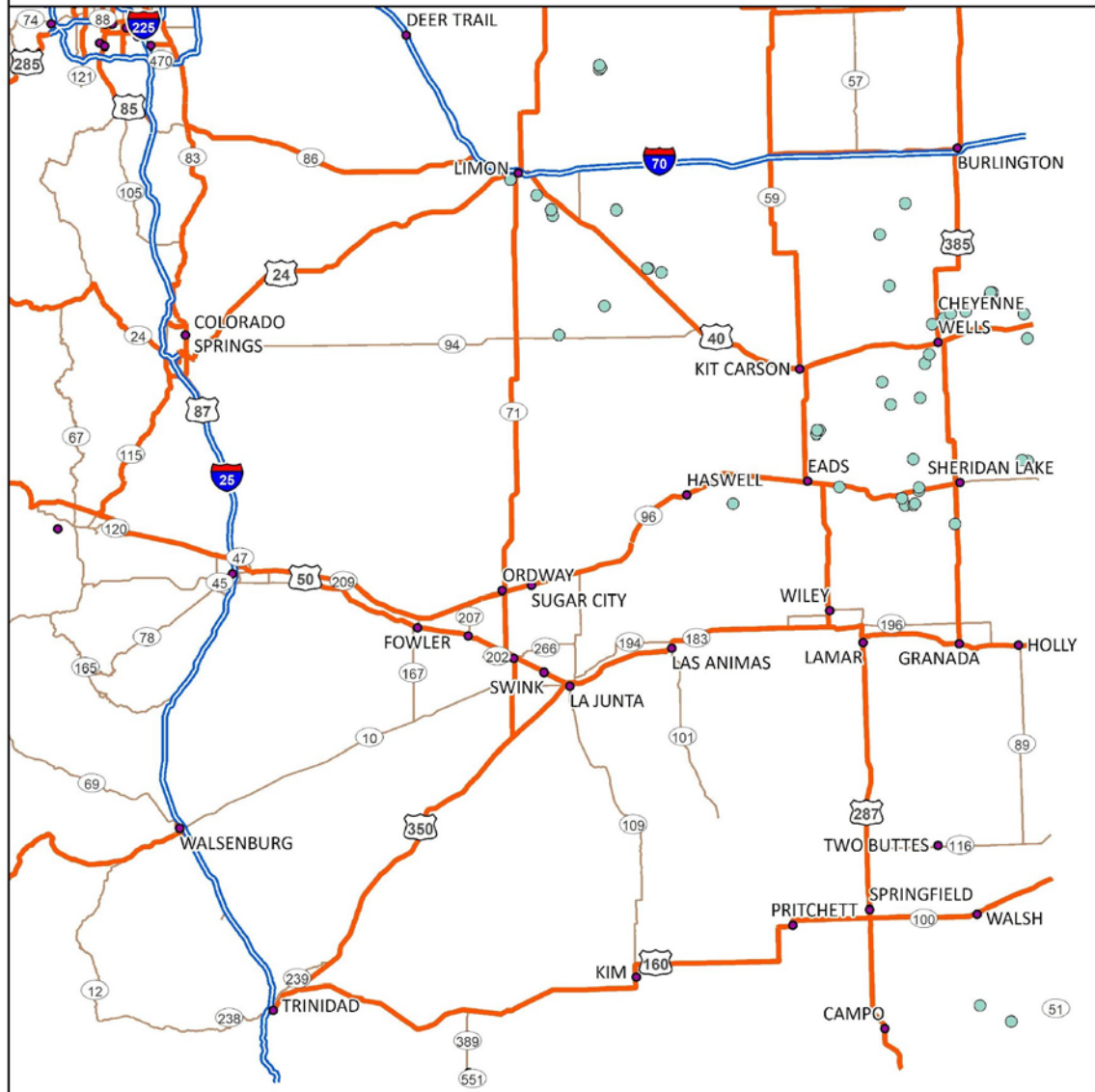
Legend

- Cities
- Major Road
- Limited Access
- Highway
- Local Road
- Minor Road
- Specified Area 56



0 10 20 Miles

Figure 57. Oil and Gas fields of Douglas, Elbert, Lincoln, Kit Carson, El Paso, Cheyenne, Pueblo, Fremont, Crowley, Kiowa, Otero, Bent, Prowers, and Baca counties



Legend

- Cities
- Major Road
- Limited Access
- Highway
- Local Road
- Minor Road
- Specified Area 57

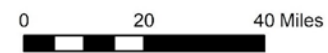
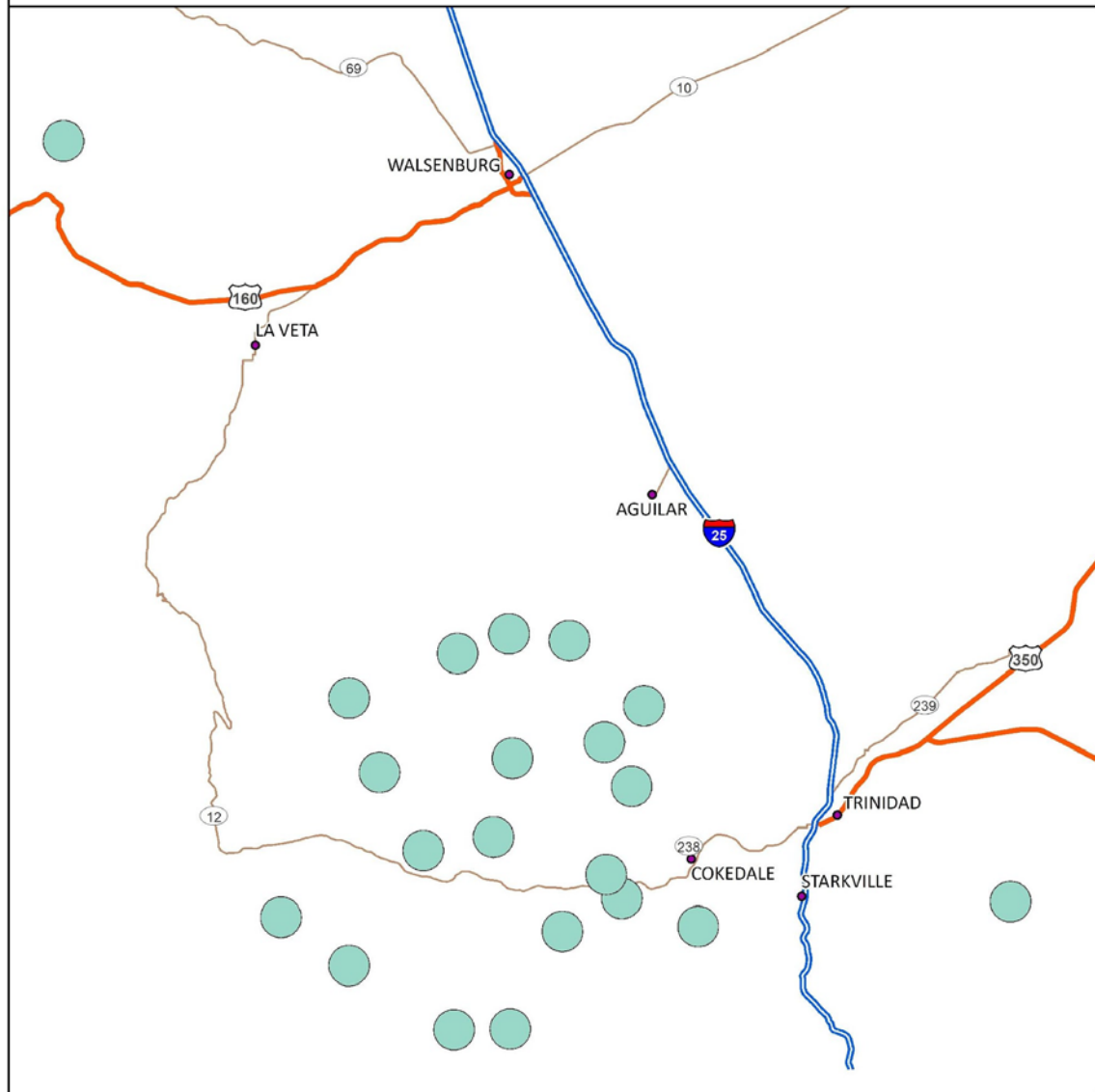


Figure 58. Oil and Gas fields of Sauguache, Rio Grande, Alamosa, Huerfano, Costilla, and Las Animas counties



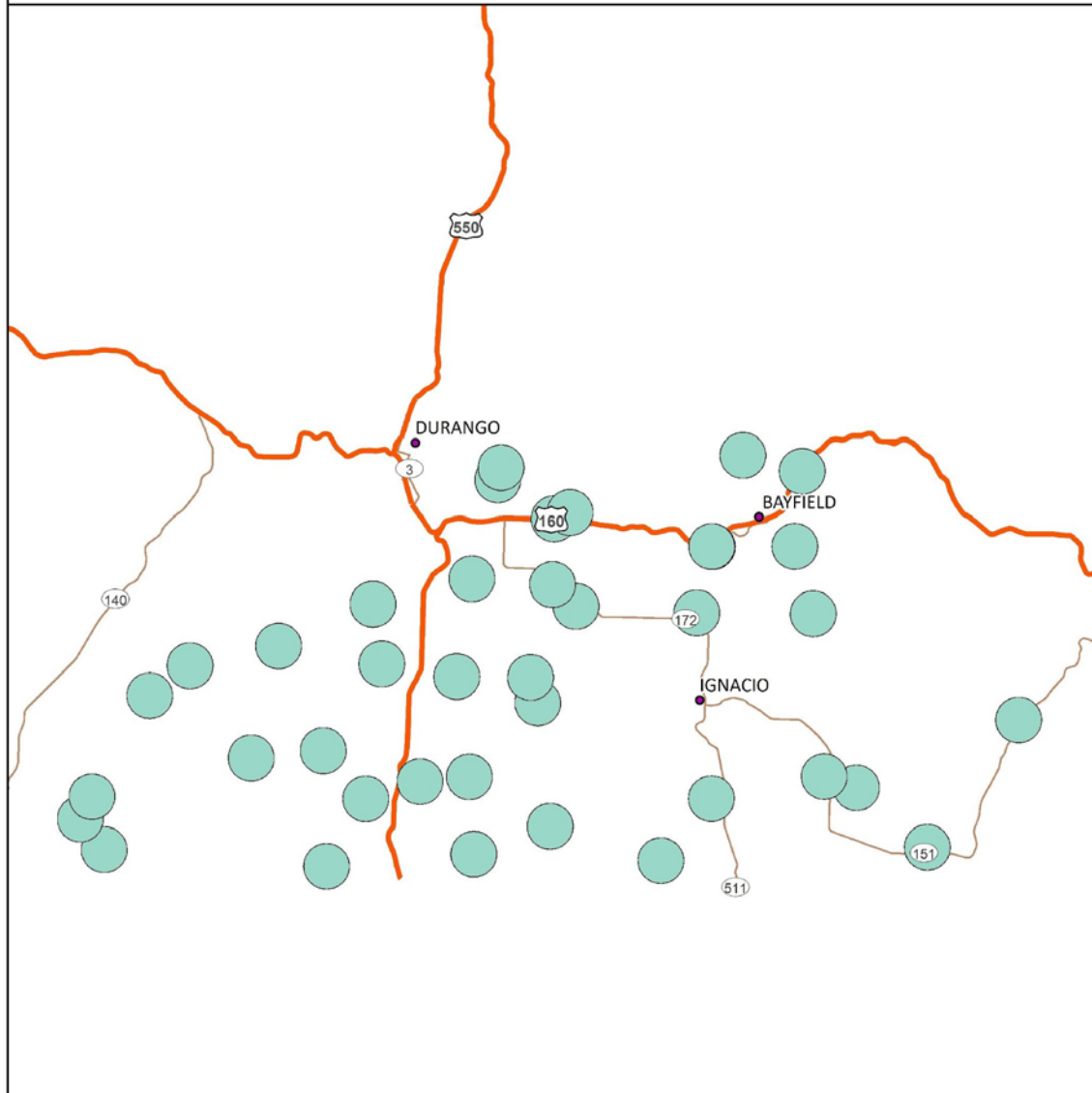
Legend

| | | |
|------------------|--------------|---------------------|
| ● Cities | — Major Road | ■ Specified Area 58 |
| — Limited Access | — Local Road | |
| — Highway | — Minor Road | |

N

0 6 12 Miles

Figure 59. Oil and Gas fields of La Plata and Archuleta counties



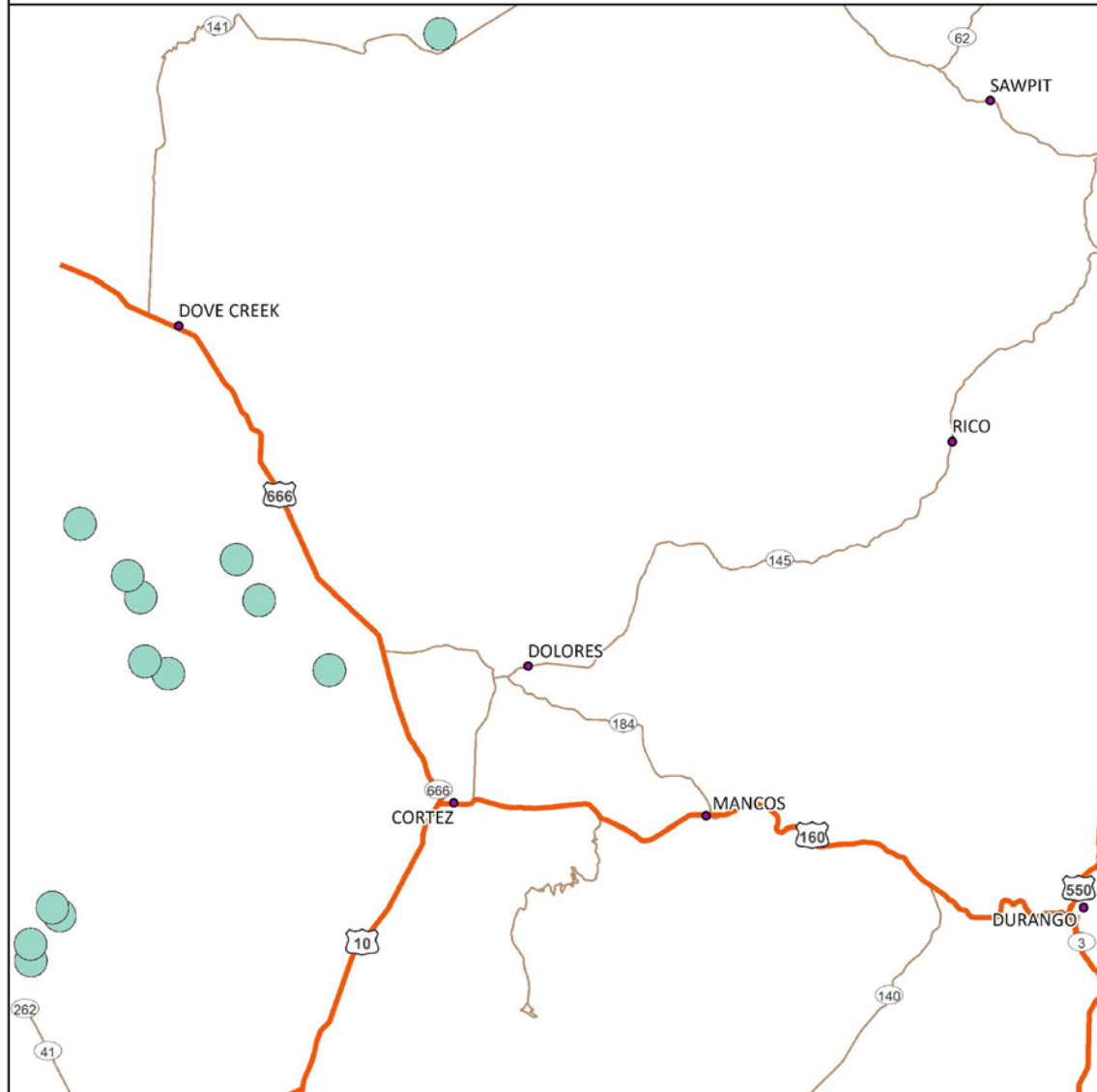
Legend

| | | |
|------------------|--------------|---------------------|
| ● Cities | — Major Road | ■ Specified Area 59 |
| — Limited Access | — Local Road | |
| — Highway | — Minor Road | |

N

0 5 10 Miles

Figure 60. Oil and Gas fields of Montrose, San Miguel, Dolores, and Montezuma counties



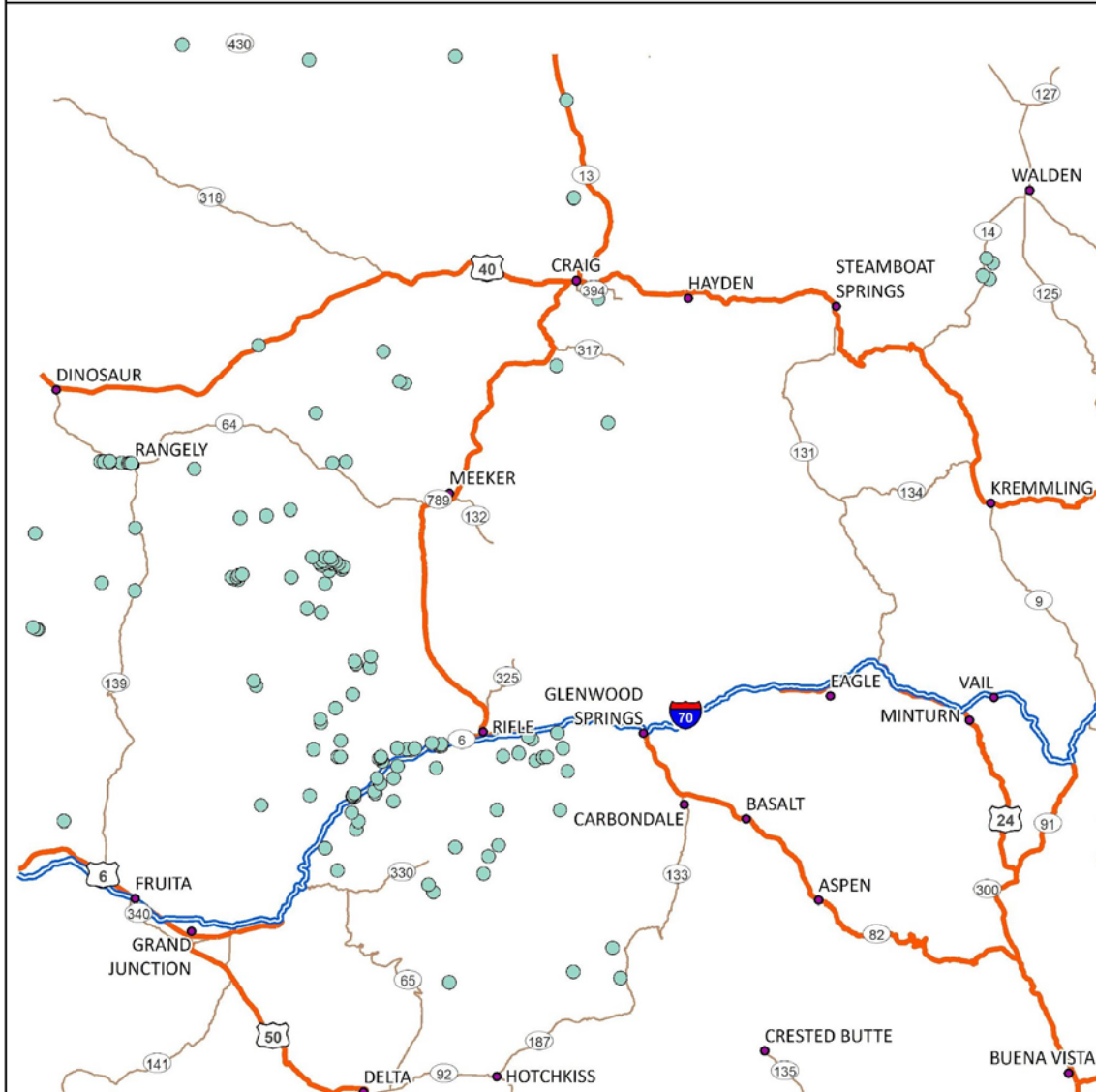
Legend

| | | |
|------------------|--------------|---------------------|
| ● Cities | — Major Road | ■ Specified Area 60 |
| — Limited Access | — Local Road | |
| — Highway | — Minor Road | |

N

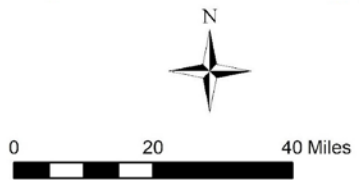
0 7.5 15 Miles

Figure 61. Oil and Gas fields of Moffat, Routt, Jackson, Grand, Rio Blanco, Garfield, Mesa, Delta, Pitkin, and Gunnison counties



Legend

| | | |
|------------------|--------------|---------------------|
| ● Cities | — Major Road | ■ Specified Area 61 |
| — Limited Access | — Local Road | |
| — Highway | — Minor Road | |



42.9 RESERVED

42.38 STATEMENT OF BASIS, SPECIFIC STATUTORY AUTHORITY AND PURPOSE: APRIL 13, 2020 RULEMAKING; FINAL ACTION MAY 11, 2020; EFFECTIVE DATE JUNE 30, 2020.

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:

The Commission has adopted, in compliance with section 24-4-103(4) C.R.S. the following statement of basis and purpose.

A. Background

The commission applied the classification of limited use and quality to the groundwater contained within oil and gas bearing formations of Colorado in which injection wells have been established under Colorado Oil and Gas Conservation Commission's (COGCC) Drilling, Development, Production and Abandonment rules 324(B). It should be noted that groundwater in formations above those identified in the specified areas are not designated, and therefore have the interim narrative standard applied to them. The approach the commission has taken is to buffer the well locations by a mile. The commission did this in order to add a margin of protection around the maximum permitted area of these injection wells of 1/2 of a mile. Each of these new areas have specific strata that these designations apply to and are generally well below any depths used for the production of drinking water. The strata that were used in the specified areas were extracted from the COGCC well database. Each strata named in the specified area has at least one well permitted for it as identified by COGCC. The latitude and longitude of each well was used to define the centroid on multiple smaller polygons. The latitude and longitude used for the well represents the positions COGCC provides for the bottom of the borehole. Because Specified Areas 55-61 cover multiple counties, the commission used this approach instead of large polygons in order to minimize the area located in specified areas with limited standards. By placing the latitude and longitude into the description of the specified area, the regulation will be easier to update as new injection wells come online in the appropriate specified area. The vast majority of this produced water is placed back into the formations from which it comes by injection into wells.

Hydrogeologic information including produced water quality, depths of these formations, and COGCC data indicate that the groundwater in these formation is of limited use and quality. Regulation 41.4(B)(5)(a) states that when the groundwater within the area has TDS equal to or greater than 10,000 mg/L TDS or (b) when the groundwater has been exempted under Rule 324(B) of COGCC, that shall be classified as "Limited Use and Quality". All of the injection wells within Specified Areas 55-61 meet the criteria of 41.4(B)(5)(b). The commission, therefore, concluded that the application of the "Limited Use and Quality" classification to the groundwater within these specified areas is appropriate. This classification and the application of site-specific standards for organic chemicals ensures consistency

between implementation of Underground Injection Control (UIC) Program requirements and commission standards and classification.

B. Site-Specific Classification and Standards Setting

Site-specific classification of groundwater begins with the identification of the use of the water. The groundwater in these oil and gas basins is co-produced with oil and gas and is considered a waste. It is not currently used nor can it be reasonably expected to be used in the future for domestic or agricultural purposes. It is not in communication with any surface water bodies within the specified area so that water quality standards of any classified surface water bodies are not affected by this groundwater.

COGCC permits injection wells under one of two frameworks which are guided by total dissolved solids (TDS) concentrations. COGCC Rule 324(B) governs wells that are completed in formations that have TDS concentrations between 3,000 mg/L and 10,000 mg/L. These wells go through an aquifer exemption process which involves consultation between the division and COGCC in order to approve these wells. The other framework is for wells that have a TDS concentration greater than 10,000 mg/L. These wells are approved under the EPA UIC rules delegated to COGCC and do not require consultation with the division (40 CFR § 144.16 and COGCC Rule 325). Groundwater that has TDS greater than 10,000 mg/L and does not supply a public water system falls outside of the EPA definition of Underground Source of Drinking Water (USDW)(40 CFR § 144.3).

Consistent with the classification, the groundwater quality standards in Tables 1 through 4 of the Basic Standards for Groundwater, Regulation No. 41 and the statewide standards for certain specified organic chemicals associated with oil and gas production activities will not apply within the specified area. However, to provide some protection of the potential future use of water resources in the specified area, the commission's action provides that the statewide standard for radionuclides, as well as the statewide organic chemical standards, other than those for benzene, toluene, ethylbenzene, xylenes, and benzo(a) pyrene, will continue to apply to this groundwater.

EPA provided a comment that the bottom of the bore hole would provide more accurate information for directionally drilled wells than the surface location. Therefore, the commission adopted the division's revised proposal that utilized the location of the bottom of the borehole for directional wells as the locational information for specified areas as appropriate.

C. Change of Ground Water to Groundwater

The commission adopted a change from "ground water" to "groundwater". This change is consistent with common technical usage and usage in the Water Quality Control Act. This change is part of a broad initiative to change the spelling program-wide, and to increase consistency.