

RUTHERFORD COUNTY
FIRE PROTECTION SERVICE DISTRICT REPORT



PREPARED BY THE RUTHERFORD COUNTY FIRE MARSHAL'S OFFICE

November 2023

Fire Protection Service District Report

The purpose of this report is to provide information concerning ten (10) proposed changes in adjoining Service Districts for fire protection and the effects of this on property owners and fire departments for each affected Service District. Its intent is to provide direction for how the County may assist in providing a reduction in fire insurance premiums and increased efficient fire services to 178 properties and to correct six-mile changes among 37 properties to match standards as required by the North Carolina Office of State Fire Marshal ("OSFM").

In preparing this report, the standards set out in N.C.G.S. 153A-304.3 were all reviewed and considered. Each of the ten (10) proposed boundary relocations meets the requirements of N.C.G.S. 153A-304.3(a).

The primary reasons for the changes are as follows:

(1) Proposed boundary change from the Service District shown as the "Outside Response Area" to the adjoining Service District serviced by Shingle Hollow fire department is the result of the extension of the Service District serviced by Shingle Hollow fire department. This is made possible because of the addition of a second rated fire station by Shingle Hollow fire department, affecting 127 certain individual tracts of real property as shown on **Exhibit "A"** attached hereto as 122 tracts under "SH ORA to SHINGLE HOLLOW SERVICE DISTRICT" and 5 tracts under "UM ORA TO SHINGLE HOLLOW SERVICE DISTRICT". Maps of this Service District and the adjacent territory showing the current and proposed boundaries of the district are attached hereto as, respectively, **Exhibit "C"** and **Exhibit "D"**.

(2) Proposed boundary change from the "five-mile" Service District serviced by Union Mills fire department to the adjoining Service District serviced by Shingle Hollow fire department is the result of the extension of the Service District serviced by Shingle Hollow fire department. This is made possible because of the addition of a second rated fire station by Shingle Hollow fire department, affecting 2 certain individual tracts of real property as shown on **Exhibit "A"** attached hereto as 2 tracts under "UM 5 MILE to SHINGLE HOLLOW SERVICE DISTRICT". Maps of this Service District and the adjacent territory showing the current and proposed boundaries of the district are attached hereto as, respectively, **Exhibit "C"** and **Exhibit "D"**.

(3) Proposed boundary change from the "six-mile" Service District serviced by Union Mills fire department to the adjoining "five mile" Service District serviced by Shingle Hollow fire department is the result of the extension of the Service District serviced by Shingle Hollow fire

department. This is made possible because of the addition of a second rated fire station by Shingle Hollow fire department, affecting 32 certain individual tracts of real property as shown on **Exhibit "A"** attached hereto as 32 tracts under "UM 6 MILE to SHINGLE HOLLOW SERVICE DISTRICT". Maps of this Service District and the adjacent territory showing the current and proposed boundaries of the district are attached hereto as, respectively, **Exhibit "C"** and **Exhibit "D"**.

(4) Proposed boundary change from the "five mile" Service District serviced by Shingle Hollow fire department to the adjoining "five mile" Service District serviced by Green Hill fire department is the result of the reassessment and correction of best road access for fire services to 5 certain individual tracts of real property presently serviced by Shingle Hollow fire department and as shown on **Exhibit "A"** attached hereto as 5 tracts under "SHINGLE HOLLOW SERVICE DISTRICT TO GREEN HILL SERVICE DISTRICT". Maps of this Service District and the adjacent territory showing the current and proposed boundaries of the district are attached hereto as, respectively, **Exhibit "C"** and **Exhibit "D"**.

(5) Proposed boundary change from the "six-mile" Service District serviced by Cherry Mountain fire department to the adjoining Service District known as the Outside Response Area is the result of the reassessment and correction of service district boundaries during ISO inspection to match the standards required by OSFM. There are 37 certain individual tracts of real property in which all or a portion are affected by this boundary change as shown on **Exhibit "B"** attached as 37 tracts under "CHERRY MOUNTAIN 6 MILE to CHERRY MOUNTAIN ORA". Maps of this Service District and the adjacent territory showing the current and proposed boundaries of the district are attached hereto as, respectively, **Exhibit "C"** and **Exhibits "E", "F", "G", "H", "I", "J", "K", "L", and "M"**.

(6) Proposed boundary change from the Service District known as the Outside Response Area to the adjoining "six mile" Service District serviced by Cherry Mountain fire department is the result of the reassessment and correction of service district boundaries to match the standards required by OSFM. There are 5 certain individual tracts of real property in which all or a portion are affected by this boundary change as shown on **Exhibit "B"** attached as 5 tracts under "CHERRY MOUNTAIN ORA to CHERRY MOUNTAIN 6 MILE". Maps of this Service District and the adjacent territory showing the current and proposed boundaries of the district are attached hereto, respectively, as **Exhibit "C"** and **Exhibits "E", "F", "G", "H", "I", "J", "K", "L", and "M"**.

(7) Proposed boundary change from the "six mile" Service District presently serviced by the Green Hill Fire Department to the adjoining "five mile" Service District serviced by Rutherfordton Fire and Rescue is the result of the reassessment and correction of best access for fire services to 2 certain individual tracts of real property as shown on **Exhibit "N"** under

"Update 1" instead being through road access served through the Service District served by Rutherfordton Fire and Rescue service district. A map of this Service District and the adjacent territory showing the current and proposed boundaries of the district is attached hereto, respectively, as **Exhibit "C" and Exhibit "N"** under "Update 1".

(8) Proposed boundary change from the "six mile" Service District presently serviced by the SDO Volunteer Fire Department to the adjoining "six mile rural" Service District serviced by Rutherfordton Fire and Rescue is the result of the reassessment and correction of best access for fire services to one certain individual tract of real property as shown on **Exhibit "N"** under "Update 2" instead being through road access served through the Service District served by Rutherfordton Fire and Rescue service district. A map of this Service District and the adjacent territory showing the current and proposed boundaries of the district is attached hereto, respectively, as **Exhibit "C" and Exhibit "N"** under "Update 2".

(9) Proposed boundary change from the "five mile" Service District presently serviced by the Union Mills Fire Department to the adjoining "five mile" Service District serviced by Green Hill Fire Department is the result of the reassessment and correction of best access for fire services to all or a portion of 3 certain individual tracts of real property as shown on **Exhibit "O"** under "Update 3" instead being through road access served through the Service District served by Green Hill Fire Department service district. A map of this Service District and the adjacent territory showing the current and proposed boundaries of the district is attached hereto, respectively, as **Exhibit "C" and Exhibit "O"** under "Update 3".

(10) Proposed boundary change from the "six mile" Service District presently serviced by the Bills Creek Fire Department to the adjoining "five mile rural" Service District serviced by Lake Lure Fire and Rescue is the result of the reassessment and correction of best access for fire services to one certain individual tract of real property as shown on **Exhibit "O"** under "Update 4" instead being through road access served through the Service District served by Lake Lure Fire and Rescue service district. A map of this Service District and the adjacent territory showing the current and proposed boundaries of the district is attached hereto, respectively, as **Exhibit "C" and Exhibit "O"** under "Update 4".

Fire protection in Rutherford County is provided by eleven volunteer and five municipal fire departments. Additionally, the County also contracts with three outside County volunteer fire departments to provide services within Rutherford County. All these departments respond to calls outside their primary district and provide automatic and mutual aid to other departments and agencies.

Primarily, services provided by the County volunteer fire departments are dependent upon tax revenue generated within the individual fire districts. The departments submit budgets based on individual needs within their respective districts.

This proposed change would be consistent with the original goals of the establishment of the county service districts, one of which include allowing for insurance, tax, and service district lines to be synonymous. Everyone living within six road miles from a rated fire station as shown by Geographic Information System (GIS) mapping would pay a tax rate approved by the Board of Commissioners and be eligible for a reduction in business and homeowner insurance premiums.

Fire protection in the area affected by the proposed relocation of district boundaries would be provided in a comparable manner as it is now. Rutherford County would contract with each fire department to provide services in their respective fire protection services districts and a designated portion of the Outside Response Area.

It is the recommendation of the Rutherford County Fire Marshal's Office that the Rutherford County Board of Commissioners call for a public hearing for the purpose of relocating the boundary lines between adjoining county service districts for fire protection as outlined in N.C. General Statute 153A-304.3.

This request for your consideration is based on the following reasons:

1. 132 properties currently outside an approved fire insurance district will be included in the service district giving them eligibility for reduced insurance premiums. 127 of these properties is due to a new substation being put in service in Shingle Hollow.
2. 34 properties are being moved from Union Mills service district into Shingle Hollow Five mile due to the same new substation. This will bring these properties from a 9/s district to a rated ISO district.
3. 49 properties will change service districts due to updated road mile analysis during ISO inspection.
4. There is and continues to be a demonstrable need for providing fire protection services in those areas of Rutherford County not presently in an insurance district or municipality.
5. It is impractical to provide those services on a countywide basis.
6. It is economically feasible to provide the proposed services in the district without unreasonable or burdensome annual tax levies.
7. There is a demonstrable demand for the proposed services by persons residing in the district.

Following is additional information that will be important for you to review as you consider this request.

FREQUENTLY ASKED QUESTIONS

What is a Fire Protection Service District?

The Fire Protection Service District is a service tax district created to finance fire protection to the residents of Rutherford County's fire districts.

What areas will be included in the Fire Protections Service Tax District?

The Service Tax District includes all property within six miles of a rated fire station. Additionally, all property outside of six miles is in a tax district called Outside Response Area.

What is an Outside Response Area?

An Outside Response Area is comprised of all properties in the County which are outside of six miles of a rated fire department. All this area will be considered one service district. This area will be taxed at a minimal rate because it does not qualify for reduced insurance premiums; however, fire protection and other emergency services are provided by the fire departments. The County Fire Chiefs will develop a budget for this area as has been submitted previously and a rate will be set by the Board of Commissioners.

How will the money collected from these taxes be distributed to individual contracting fire departments?

Fire departments submit budget requests annually to the Fire Marshal's Office. Budgets are included in the County's annual budget package. The County Commissioners make the final decision on appropriations. This is the process we are currently using.

What are the advantages for the fire departments?

Insurance, tax, and response districts will be identical. Maps can be easily updated and vital information such as hydrant locations, landing zones and automatic aid zones can be identified.

If I live in a municipality, how will the Fire Protection Service District affect me?

Municipal fire departments will continue to provide services to their citizens.

In addition, the County will contract with each municipal fire department to provide fire protections service within designated portions of a Service District. The municipal fire departments will submit a budget, and a rate will be set, by the Board of County Commissioners.

Exhibit A

SH ORA to SHINGLE HOLLOW SERVICE DISTRICT

	Parcel_Num	Shingle Hollwo ORA F16	Acreage
1	1602460	F16 COUNTY\ORA	22.64
2	1602381	F16 COUNTY\ORA	15.11
3	1602462	F16 COUNTY\ORA	8.90
4	1602461	F16 COUNTY\ORA	2.62
5	1602477	F16 COUNTY\ORA	11.20
6	1114820	F16 COUNTY\ORA	80.63
7	1115088	F16 COUNTY\ORA	1.80
8	1602463	F16 COUNTY\ORA	6.84
9	1115204	F16 COUNTY\ORA	17.91
10	1115615	F16 COUNTY\ORA	22.00
11	1115682	F16 COUNTY\ORA	70.00
12	1604628	F16 COUNTY\ORA	44.93
13	1602632	F16 COUNTY\ORA	2.05
14	1115368	F16 COUNTY\ORA	26.21
15	1115599	F16 COUNTY\ORA	21.00
16	1116161	F16 COUNTY\ORA	16.00
17	1115574	F16 COUNTY\ORA	31.00
18	1115585	F16 COUNTY\ORA	29.00
19	1600647	F16 COUNTY\ORA	10.01
20	1609686	F16 COUNTY\ORA	5.78
21	1116507	F16 COUNTY\ORA	2.76
22	1116172	F16 COUNTY\ORA	17.95
23	1116323	F16 COUNTY\ORA	0.14
24	1605222	F16 COUNTY\ORA	1.97
25	1105648	F16 COUNTY\ORA	128.00
26	1609687	F16 COUNTY\ORA	25.22
27	1609689	F16 COUNTY\ORA	1.40
28	1105513	F16 COUNTY\ORA	4.25
29	1105586	F16 COUNTY\ORA	5.16
30	1611121	F16 COUNTY\ORA	4.01
31	1114778	F16 COUNTY\ORA	17.98
32	1115674	F16 COUNTY\ORA	17.95
33	1116314	F16 COUNTY\ORA	64.75
34	1611122	F16 COUNTY\ORA	1.10
35	1114448	F16 COUNTY\ORA	821.50
36	1115570	F16 COUNTY\ORA	14.75
37	1105585	F16 COUNTY\ORA	23.99
38	1612757	F16 COUNTY\ORA	43.00
39	1604148	F16 COUNTY\ORA	19.50
40	1105542	F16 COUNTY\ORA	20.43
41	1612756	F16 COUNTY\ORA	43.00
42	1116456	F16 COUNTY\ORA	1.00
43	1600640	F16 COUNTY\ORA	3.55
44	1600646	F16 COUNTY\ORA	10.04
45	1605231	F16 COUNTY\ORA	30.14
46	1115377	F16 COUNTY\ORA	26.00
47	1115591	F16 COUNTY\ORA	63.82

48	1609688	F16 COUNTY\ORA	38.80
49	1609277	F16 COUNTY\ORA	0.16
50	1604146	F16 COUNTY\ORA	173.50
51	1621896	F16 COUNTY\ORA	17.14
52	1621885	F16 COUNTY\ORA	7.49
53	1621886	F16 COUNTY\ORA	2.52
54	1619615	F16 COUNTY\ORA	7.00
55	1624337	F16 COUNTY\ORA	1.68
56	1622463	F16 COUNTY\ORA	4.04
57	1633166	F16 COUNTY\ORA	11.72
58	1633165	F16 COUNTY\ORA	17.40
59	1631315	F16 COUNTY\ORA	24.82
60	1625131	F16 COUNTY\ORA	1.45
61	1631317	F16 COUNTY\ORA	7.51
62	1636035	F16 COUNTY\ORA	8.36
63	1632057	F16 COUNTY\ORA	3.03
64	1636036	F16 COUNTY\ORA	7.90
65	1621895	F16 COUNTY\ORA	70.16
66	1617701	F16 COUNTY\ORA %	124.75
67	1637070	F16 COUNTY\ORA	9.64
68	1639026	F16 COUNTY\ORA	2.26
69	1624114	F16 COUNTY\ORA	3.27
70	1629191	F16 COUNTY\ORA	4.55
71	1631316	F16 COUNTY\ORA	5.99
72	1631314	F16 COUNTY\ORA	4.23
73	1623208	F16 COUNTY\ORA	19.99
74	1620472	F16 COUNTY\ORA	18.29
75	1637071	F16 COUNTY\ORA	1.82
76	1636037	F16 COUNTY\ORA	8.83
77	1636038	F16 COUNTY\ORA	19.10
78	1641108	F16 COUNTY\ORA	20.41
79	1643172	F16 COUNTY\ORA	7.41
80	1643187	F16 COUNTY\ORA	10.82
81	1643188	F16 COUNTY\ORA	8.94
82	1643174	F16 COUNTY\ORA	7.36
83	1643186	F16 COUNTY\ORA	6.53
84	1643170	F16 COUNTY\ORA	24.51
85	1647377	F16 COUNTY\ORA	2.97
86	1652675	F16 COUNTY\ORA	8.51
87	1643173	F16 COUNTY\ORA	9.39
88	1643176	F16 COUNTY\ORA	6.27
89	1643184	F16 COUNTY\ORA	7.96
90	1643171	F16 COUNTY\ORA	15.19
91	1643178	F16 COUNTY\ORA	4.89
92	1643182	F16 COUNTY\ORA	5.69
93	1643183	F16 COUNTY\ORA	3.24
94	1646288	F16 COUNTY\ORA	1.38
95	1646289	F16 COUNTY\ORA	3.00

96	1655469	F16 COUNTY\ORA	44.57
97	1641109	F16 COUNTY\ORA	20.41
98	1639025	F16 COUNTY\ORA	2.26
99	1639887	F16 COUNTY\ORA	6.83
100	1643177	F16 COUNTY\ORA	4.01
101	1643180	F16 COUNTY\ORA	4.16
102	1643185	F16 COUNTY\ORA	5.69
103	1646750	F16 COUNTY\ORA	13.68
104	1646751	F16 COUNTY\ORA	5.42
105	1640027	F16 COUNTY\ORA	5.42
106	1640028	F16 COUNTY\ORA	26.00
107	1655471	F16 COUNTY\ORA	7.00
108	1643175	F16 COUNTY\ORA	6.84
109	1643179	F16 COUNTY\ORA	7.45
110	1643181	F16 COUNTY\ORA	7.68
111	1652674	F16 COUNTY\ORA	6.00
112	1636818	F16 COUNTY\ORA	1.40
113	1641110	F16 COUNTY\ORA	20.41
114	1639886	F16 COUNTY\ORA	13.44
115	1640407	F16 COUNTY\ORA	6.23
116	1655470	F16 COUNTY\ORA	13.27
117	1655472	F16 COUNTY\ORA	3.00
118	1647378	F16 COUNTY\ORA	0.63
119	1658851	F16 COUNTY\ORA	5.24
120	1658852	F16 COUNTY\ORA	0.28
121	1658479	F16 COUNTY\ORA	275.67
122	1658405	F16 COUNTY\ORA	8.93

SHINGLE HOLLOW 5 MILE to GREEN HILL 5 MILE			
	Parcel_Num	F05 SHINGLE HOLLOW	Acreage
1	1621852	F05 SHINGLE HOLLOW	10.73
2	1603859	F05 SHINGLE HOLLOW	5.00
3	1607557	F05 SHINGLE HOLLOW	4.42
4	1611388	F05 SHINGLE HOLLOW	1.19
5	1621853	F05 SHINGLE HOLLOW	14.17

UM 5 Mile to SHINGLE HOLLOW SERVICE DISTRICT			
	Parcel_Num	Union Mills ORA F16	Acreage
1	1631813	F13 UNION MILLS	0.04
2	1639938	F13 UNION MILLS	1.00

UM 6 MILE to SHINGLE HOLLOW 5 MILE DISTRICT			
	Parcel_Num	Union Mills ORA F16	Acreage
1	1105406	F13 UNION MILLS	32.51
2	1105416	F13 UNION MILLS	10.84
3	1105454	F13 UNION MILLS	2.55
4	1105779	F13 UNION MILLS	17.50
5	1115057	F13 UNION MILLS	7.00
6	1115096	F13 UNION MILLS	27.10
7	1115590	F13 UNION MILLS	17.69
8	1115800	F13 UNION MILLS	18.96
9	1116063	F13 UNION MILLS	12.18
10	1116192	F13 UNION MILLS	7.24
11	1116196	F13 UNION MILLS	11.94
12	1116289	F13 UNION MILLS	44.70
13	1617532	F13 UNION MILLS	0.14
14	1617567	F13 UNION MILLS	0.90
15	1629163	F13 UNION MILLS	15.88
16	1630018	F13 UNION MILLS	2.28
17	1630019	F13 UNION MILLS	3.78
18	1630020	F13 UNION MILLS	2.48
19	1630021	F13 UNION MILLS	2.40
20	1630022	F13 UNION MILLS	3.68
21	1630023	F13 UNION MILLS	2.48
22	1630024	F13 UNION MILLS	2.39
23	1631814	F13 UNION MILLS	0.01
24	1631815	F13 UNION MILLS	2.35
25	1634307	F13 UNION MILLS	15.01
26	1636501	F13 UNION MILLS	92.59
27	1636502	F13 UNION MILLS	92.59
28	1638313	F13 UNION MILLS	1.27
29	1638314	F13 UNION MILLS	4.27
30	1649397	F13 UNION MILLS	8.07
21	1653716	F13 UNION MILLS	2.09
32	1653717	F13 UNION MILLS	8.75

UM ORA to SHINGLE HOLLOW SERVICE DISTRICT			
	Parcel_Num	Union Mills ORA F16	Acreage
1	1603981	F16 COUNTY\ORA	12.34
2	1603985	F16 COUNTY\ORA	27.76
3	1603982	F16 COUNTY\ORA	27.76
4	1603984	F16 COUNTY\ORA	12.34
5	1658479	F16 COUNTY\ORA	275.67

CHERRY MOUNTAIN ORA TO CHERRY MOUNTAIN 6 MILE			
38	1642194	Portion of	Old C C Rd
39	1601422	Portion of	Jordon Trl
40	1601421	Portion of	Jordon Trl
41	713200	Portion of	N. Fork Rd
42	706913	100%	N. Fork Rd

CHERRY MOUNTAIN 6 MILE TO CHERRY MOUNTAIN ORA		
1	707241	Camp McCall Rd
2	1600192	Skeeters Pl
3	706244	NC 226 Hwy
4	1626570	Pleasant View Dr
5	1634889	Amelia Ln
6	1634890	Amelia Ln
7	1634886	Amelia Ln
8	1634894	Valleyview Dr
9	1634907	Valleyview Dr
10	1634908	Upper Ridge Rd
11	1634909	Upper Ridge Rd
12	1634910	Upper Ridge Rd
13	1634914	Upper Ridge Rd
14	1634895	Valleyview Dr
15	1634896	Misty View Dr
16	1634897	Misty View Dr
17	1634898	Misty View Dr
18	1634899	Valleyview Dr
19	1634900	Valleyview Dr
20	1634901	Valleyview Dr
21	1634902	Valleyview Dr
22	1636635	Valleyview Dr
23	1634904	Valleyview Dr
24	1634905	Valleyview Dr
25	1634906	Upper Ridge Rd
26	1634911	Upper Ridge Rd
27	1634913	Upper Ridge Rd
28	1636645	Upper Ridge Rd
29	1654629	Cub Creek Rd
30	1654630	Cub Creek Rd
31	1654496	Moriah School Rd
32	1655610	Moriah School Rd
33	1651332	NC 226 Hwy
34	514191	NC 226 Hwy
35	514781	Romey Campbell Rd
36	1616701	Romey Campbell Rd
37	1613152	Jonestown Rd

EXHIBIT C

FULL MAP



SHINGLE HOLLOW FIRE SERVICE DISTRICT



10/20/2008
Katie Doherty, GISP
Rutherford County, OH



Exhibit D

Legend

- Fire Stations
- Hydrants
 - GREEN
 - ORANGE
- Water points
 - Boat House
 - Dry Hydrants
 - Water Points
- LZ Locations
- 1.5_Miles
- 2.5_Miles
- 5_Miles
- 6_Miles
- 1000ft From Hydrant
- Hydrology
- Roads
- Property Lines
- Lake and Ponds
- Fire Service District AreaID
 - 1.5 Mile, Station 1
 - 2.5 Mile, Station 1
 - 5 Mile, Station 1
 - 6 Mile, Station 1
 - 1.5 Mile, Station 2
 - 2.5 Mile, Station 2
 - 5 Mile, Station 2
 - 6 Mile, Station 2

Shingle Hollow - Total Road Miles in 5&6 Mile Service District = 75.14			
Station 1 201 Dover Rd	Rd Mile Area	From Station to Miles End (involving areas)	Inside Miles Area Only (involving areas)
	1.5 Miles	9.5	9.5
	2.5 Miles	11.39	11.39
	5 Miles	58.77	36.78
	6 Miles	58.75	3.26
STATION TOTAL = 39.75 (80.95%)			
Station 2 101 Harpers Rd	Rd Mile Area	From Station to Miles End (involving areas)	Inside Miles Area Only (involving areas)
	1.5 Miles	4.53	4.53
	2.5 Miles	7.5	7.5
	5 Miles	15.3	7.67
	6 Miles	15.39	0.79
STATION TOTAL = 15.39 (20.05%)			
All Stations Total	Rd Mile Area	From Stations to Miles End	Inside Miles Area Only
	1.5 Miles	13.13	13.13
	2.5 Miles	29.82	18.99
	5 Miles	74.07	44.45
	6 Miles	75.14	1.37
TOTAL = 75.14			
ORA	Total Road Miles		DISCLAIMER: All information is furnished to government and private users. No liability is assumed for any use of the information. The information is provided as a service and is not guaranteed. The information is provided as a service and is not guaranteed. The information is provided as a service and is not guaranteed.
	Station 1	0	
Hydrant Data	Total Road Miles - 1000ft from a Shared Hydrant		Total Population = 1764 / 135 = 1889 (ORA 8)
	Station 1	0.12 (0.16%)	

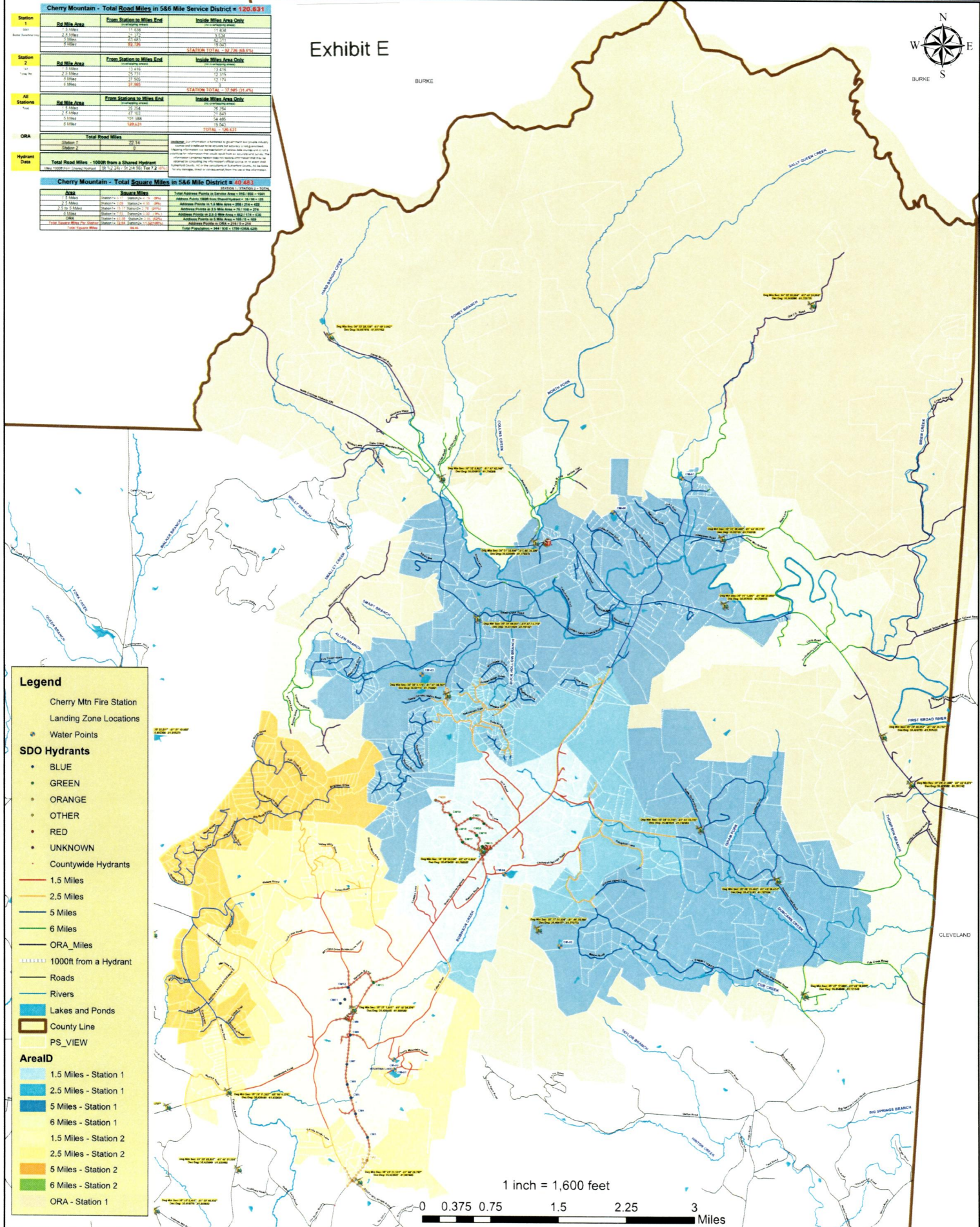
Shingle Hollow - Total Square Miles in 5&6 Mile District = 32.83			
Area	Square Miles		STATION TOTALS = TOTAL
	1.5 Miles	Station 1 = 9.5 (17%)	Total Address Points in Service Area = 1771 (ORA 1177)
	2.5 Miles	Station 1 = 11.39 (24%)	Address Points 1000ft from Shared Hydrant = 27 (8 = 17)
	5 Miles	Station 1 = 18.25 (56%)	Address Points in 1.5 Mile Area = 213 (59 = 274)
	6 Miles	Station 1 = 15.39 (47%)	Address Points in 5 Miles Area = 550 (89 = 640)
ORA	Total Square Miles Per Station		Address Points in 6 Mile Area = 151 (2 = 17)
	Station 1	32.83 (100%)	Address Points in ORA = 1889 (8 = 8)
Total Population = 1764 / 135 = 1889 (ORA 8)			

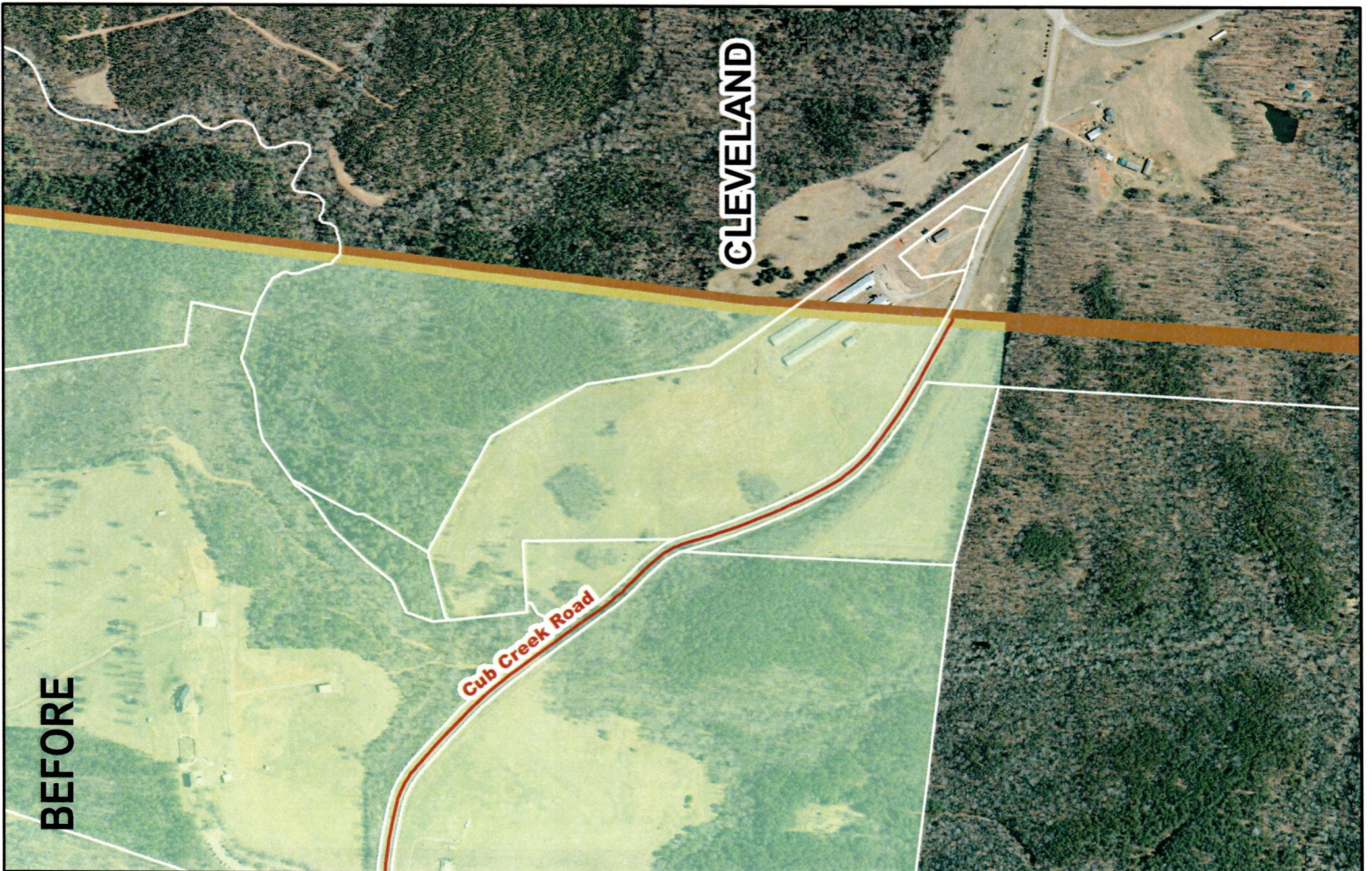
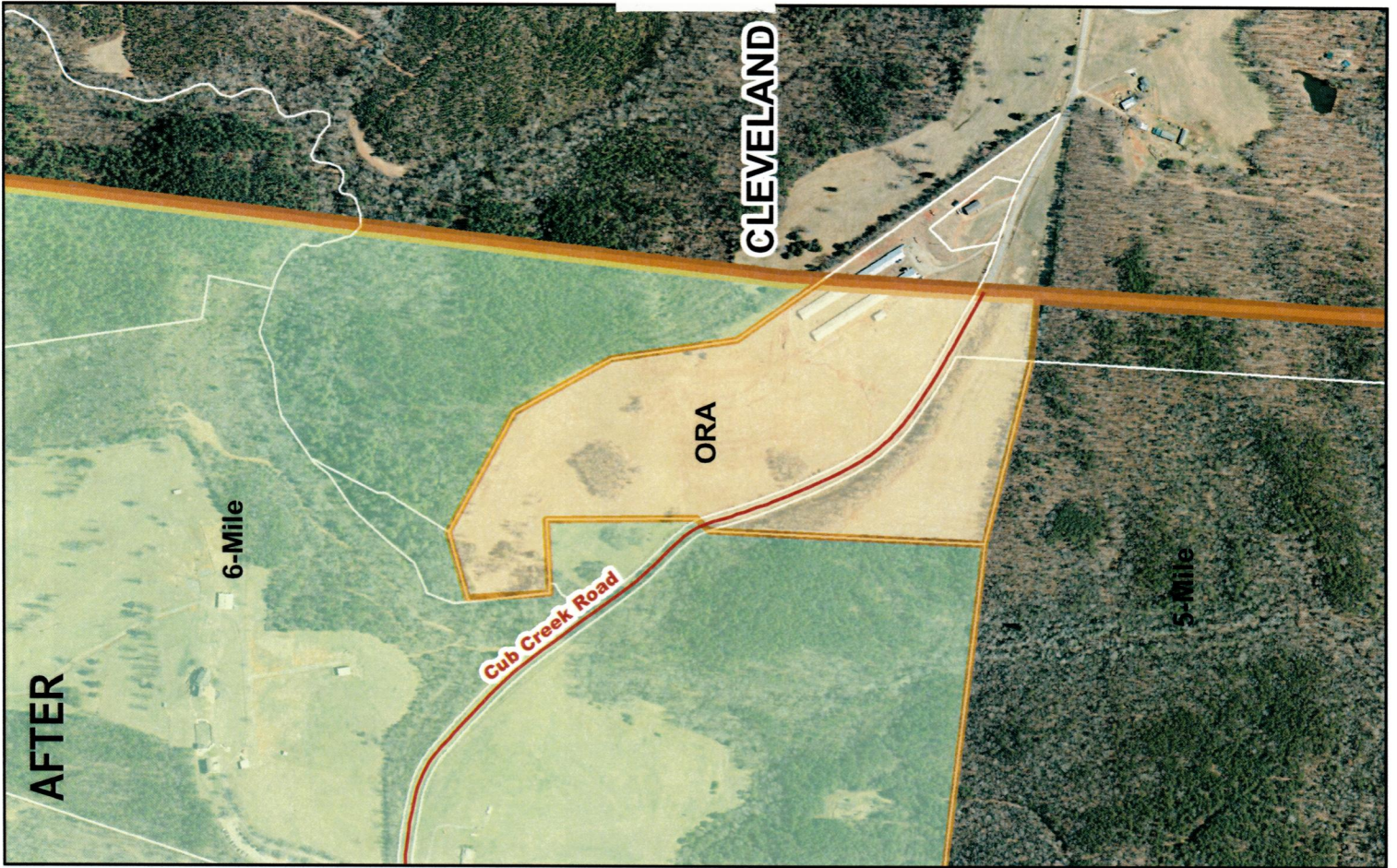
0 0.25 0.5 1 1.5 2 Miles 1 inch = 1,300 feet

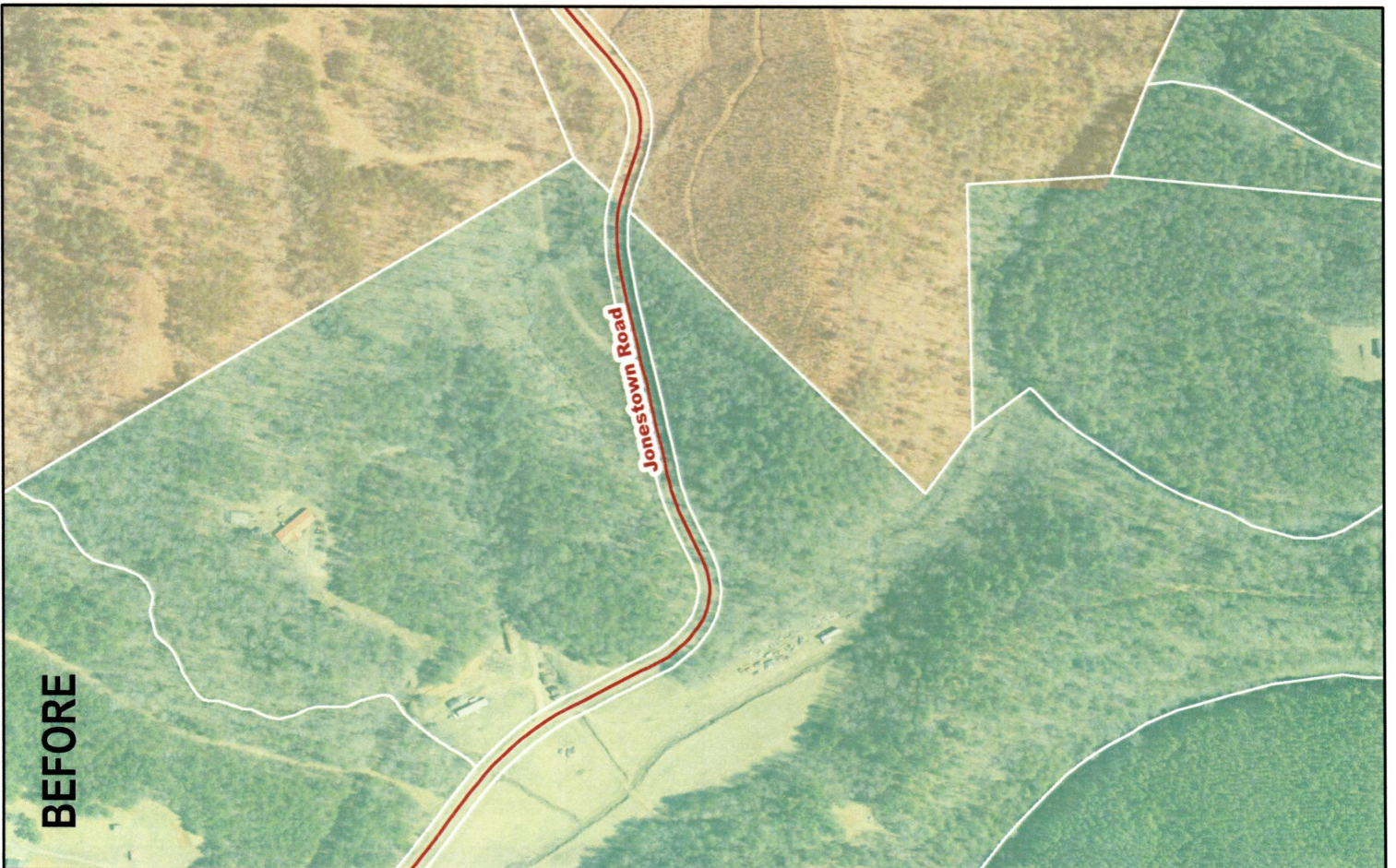
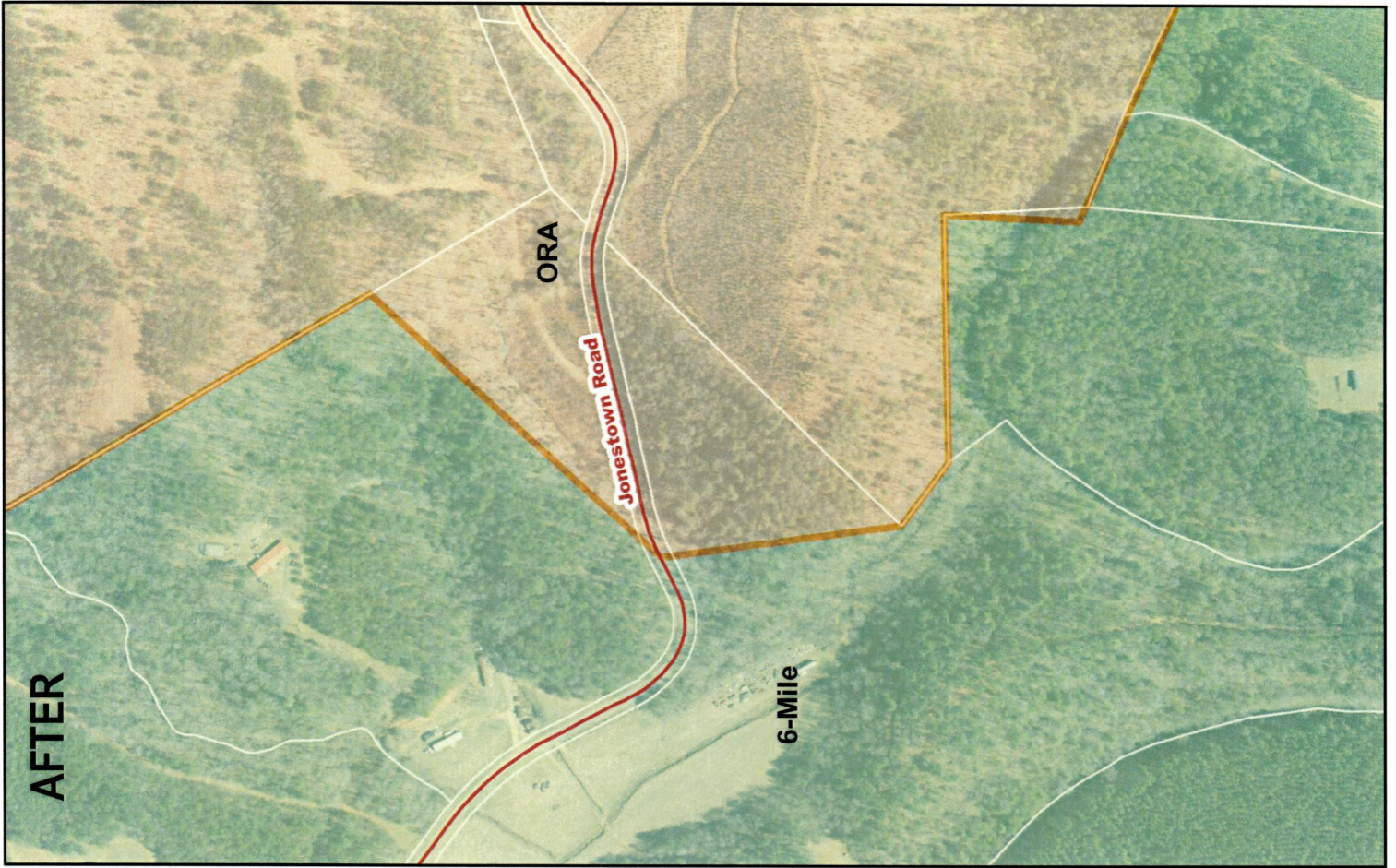


Cherry Mountain - Total Road Miles in 546 Mile Service District = 120.631									
Station 1	St. Mike Area	From Stations to Miles End				Inside Miles Area Only			
		1.0 Miles	1.0	0.0	0.0	1.0	0.0	0.0	0.0
		2.0 Miles	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		3.0 Miles	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		STATION TOTAL = 0.0				STATION TOTAL = 0.0			
Station 2	St. Mike Area	From Stations to Miles End				Inside Miles Area Only			
		1.0 Miles	1.0	0.0	0.0	1.0	0.0	0.0	0.0
		2.0 Miles	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		3.0 Miles	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		STATION TOTAL = 0.0				STATION TOTAL = 0.0			
All Stations	St. Mike Area	From Stations to Miles End				Inside Miles Area Only			
		1.0 Miles	1.0	0.0	0.0	1.0	0.0	0.0	0.0
		2.0 Miles	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		3.0 Miles	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		STATION TOTAL = 0.0				STATION TOTAL = 0.0			
CRA	Total Road Miles	Station 1				Station 2			
		0.0				0.0			
		0.0				0.0			
		0.0				0.0			
		STATION TOTAL = 0.0				STATION TOTAL = 0.0			
Highway Data	Total Road Miles - 1000m from a Shored Highway	Station 1				Station 2			
		0.0				0.0			
		0.0				0.0			
		0.0				0.0			
		STATION TOTAL = 0.0				STATION TOTAL = 0.0			
Cherry Mountain - Total Square Miles in 546 Mile District = 49.463									
Area	Square Miles	Station 1				Station 2			
		0.0				0.0			
		0.0				0.0			
		0.0				0.0			
		STATION TOTAL = 0.0				STATION TOTAL = 0.0			
Total Square Miles in 546 Mile District	Total Square Miles in 546 Mile District	Station 1				Station 2			
		0.0				0.0			
		0.0				0.0			
		0.0				0.0			
		STATION TOTAL = 0.0				STATION TOTAL = 0.0			

Exhibit E







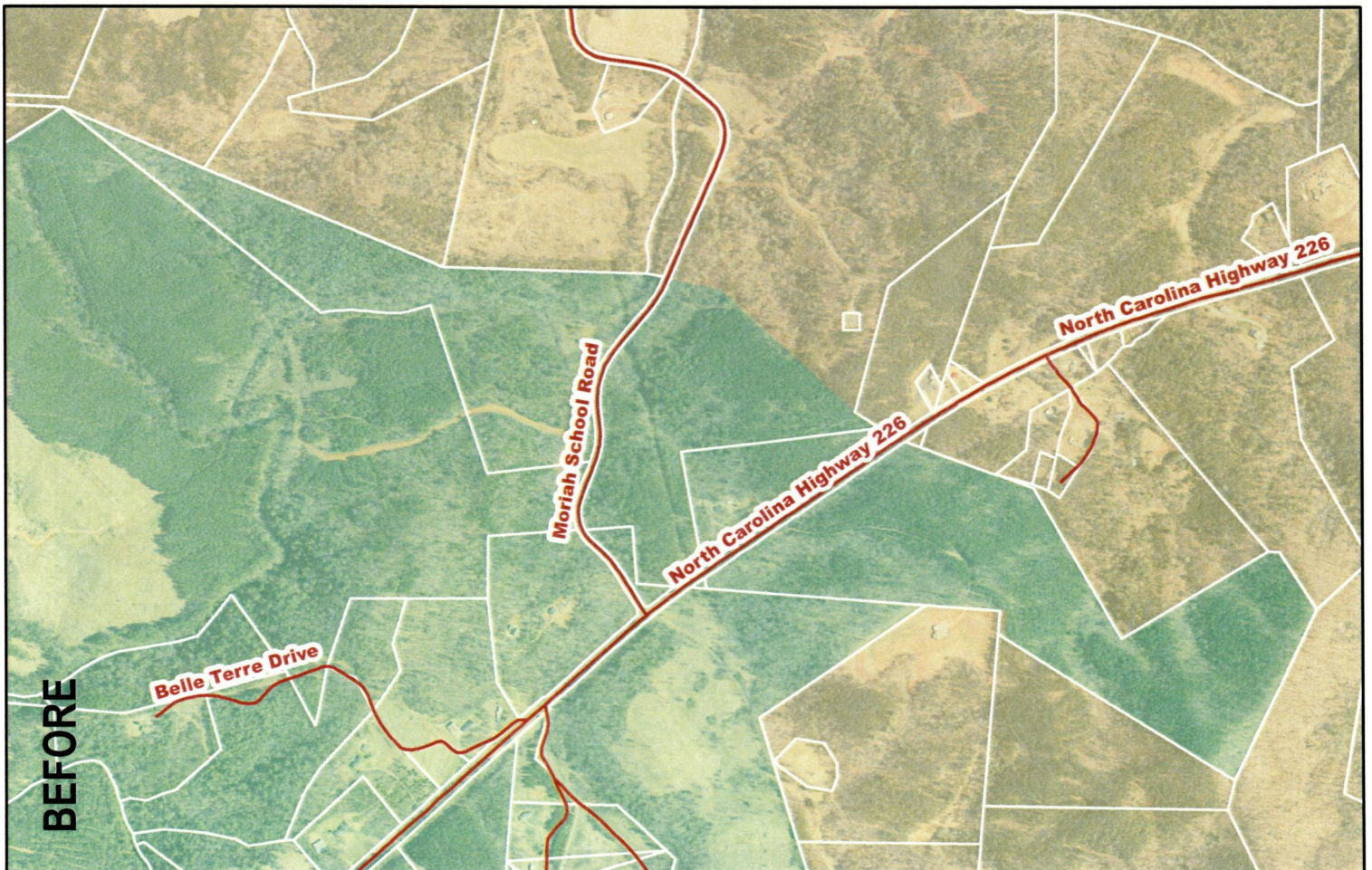
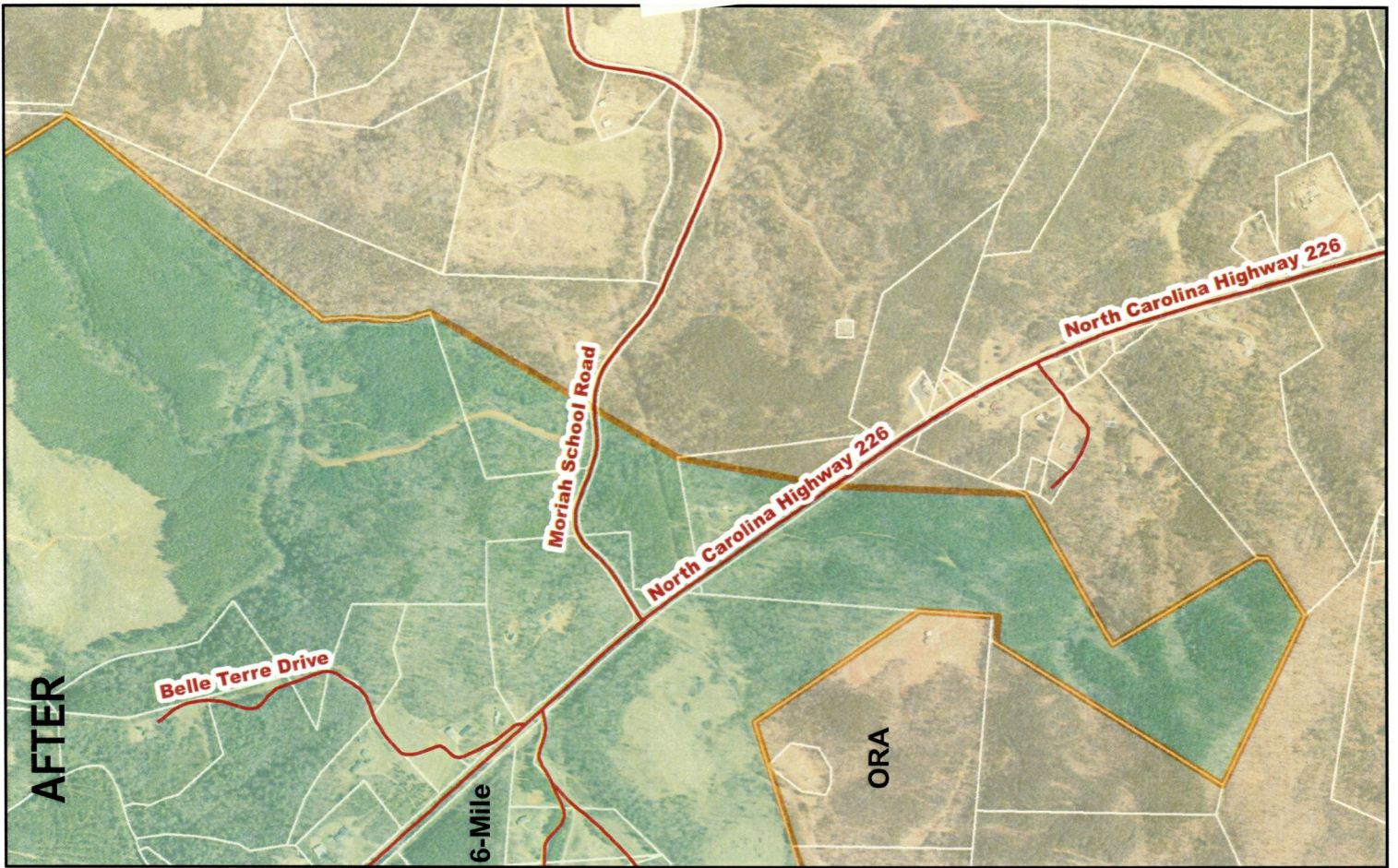
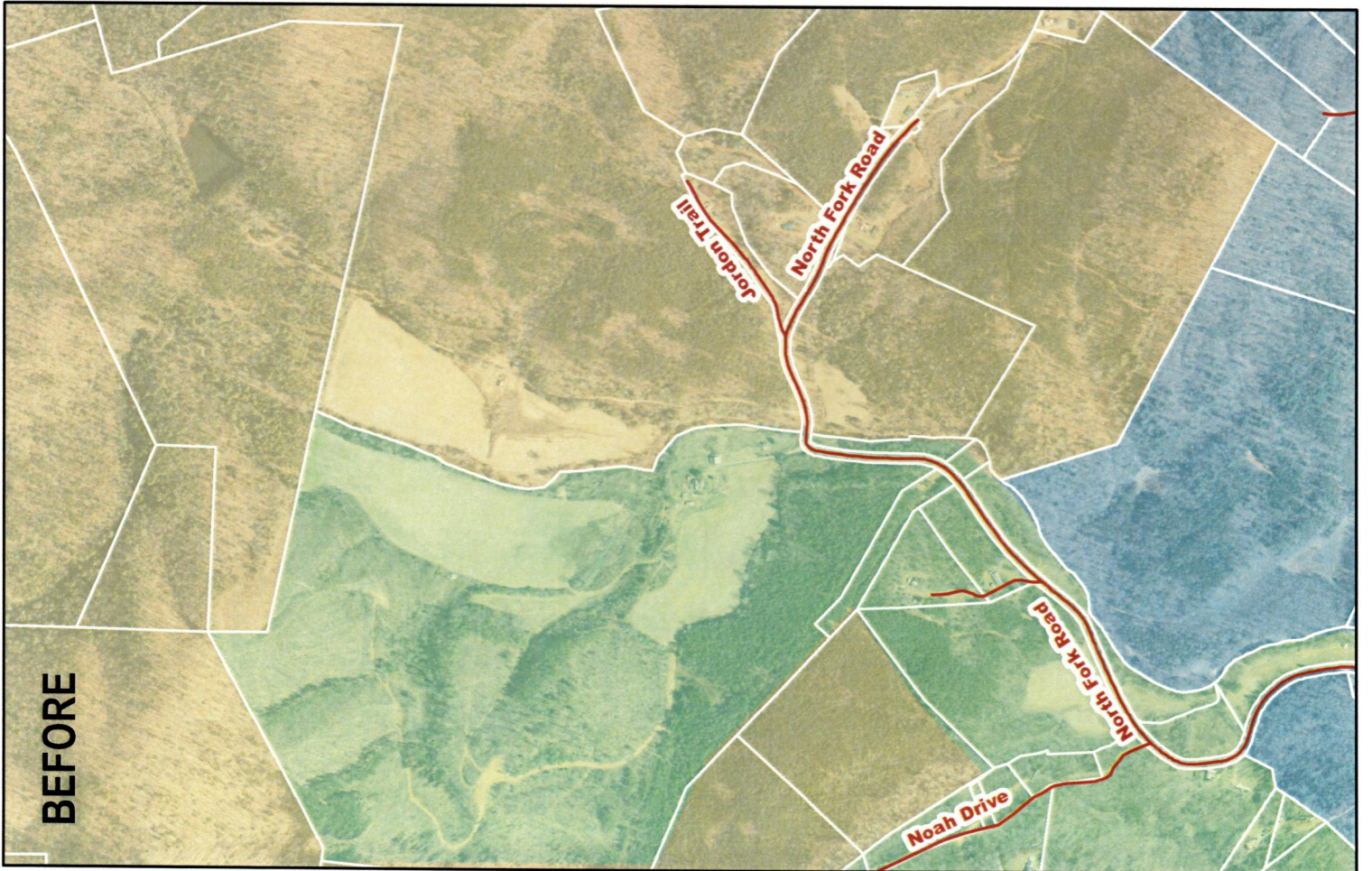
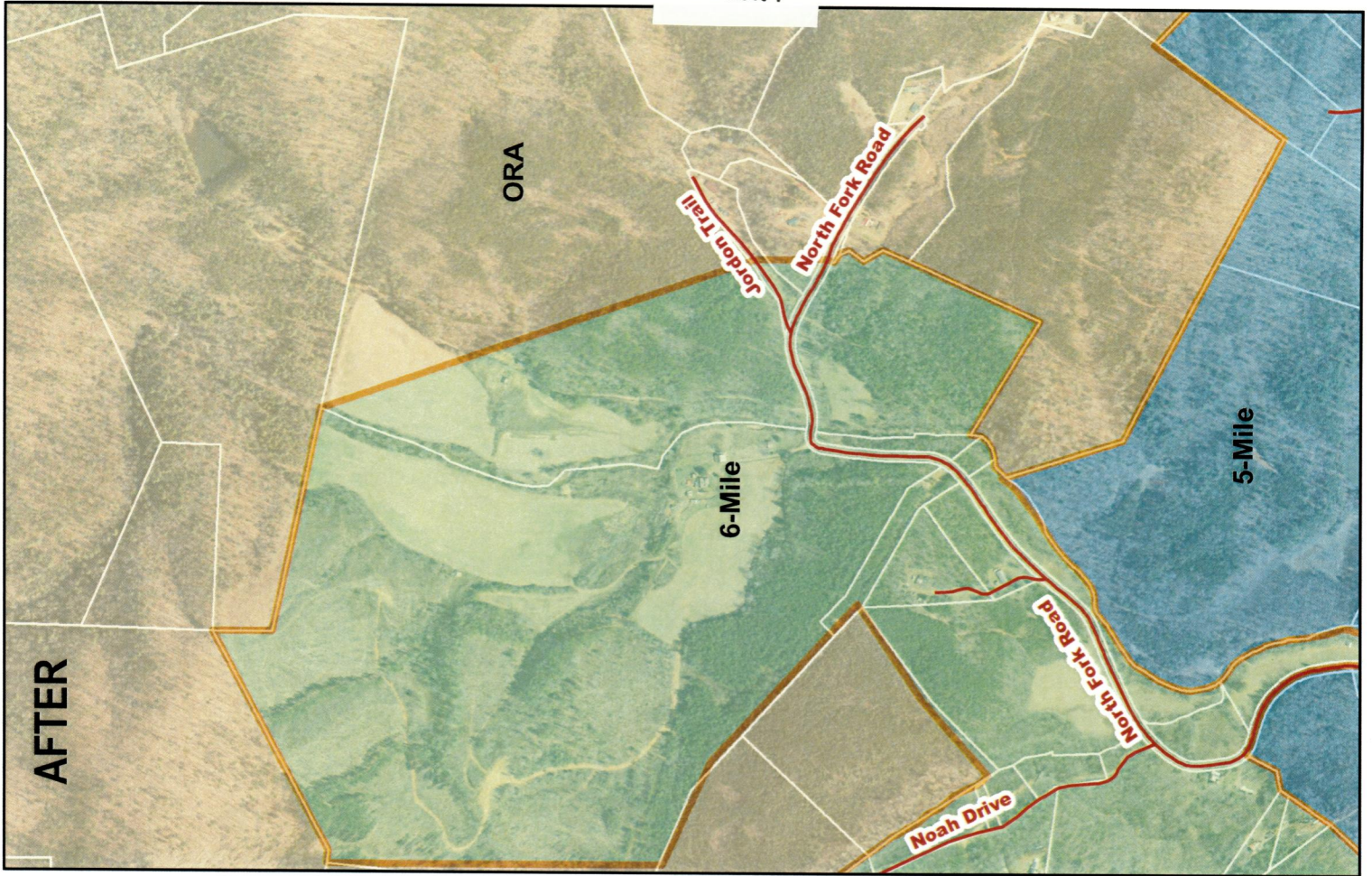
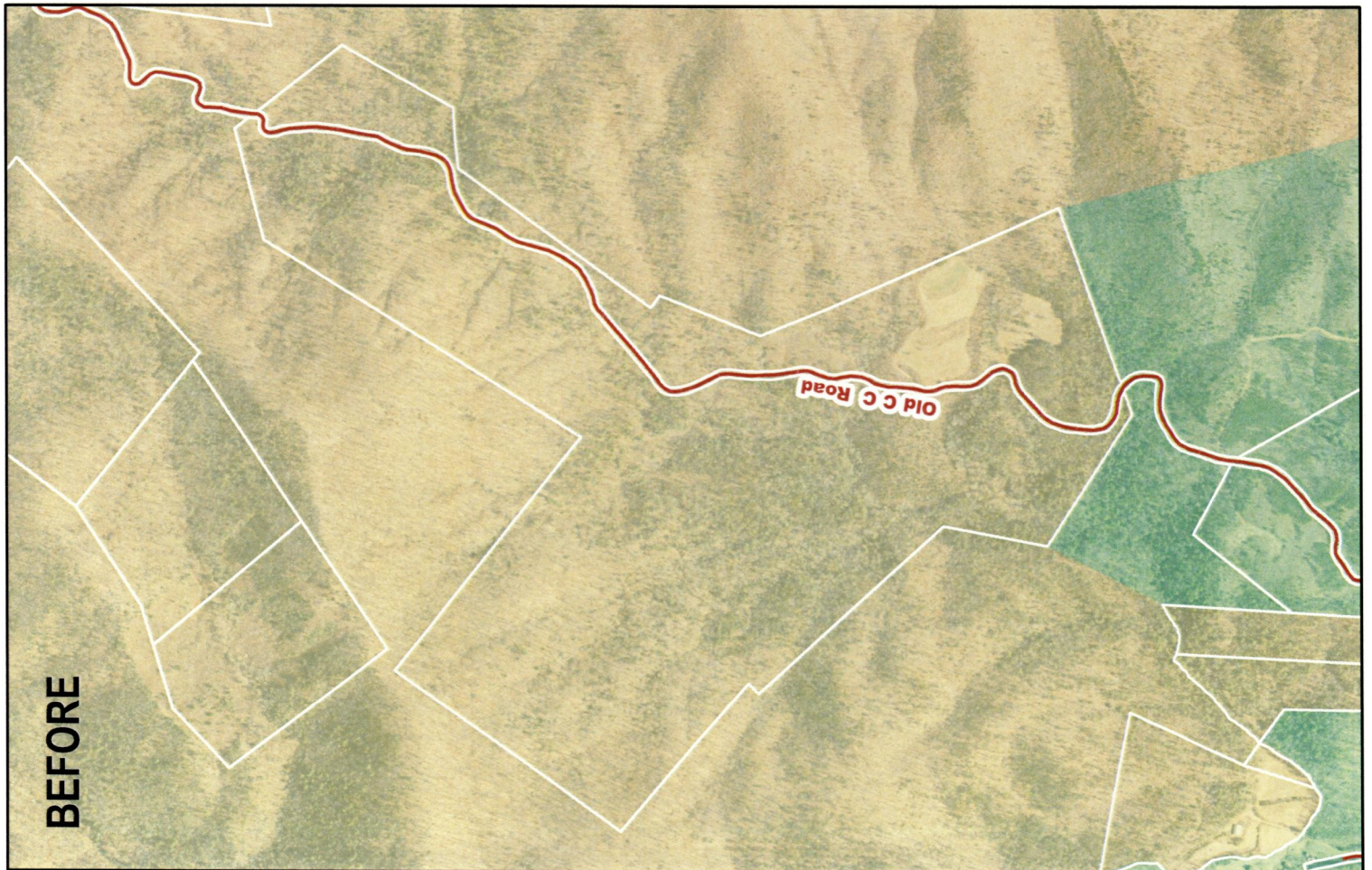
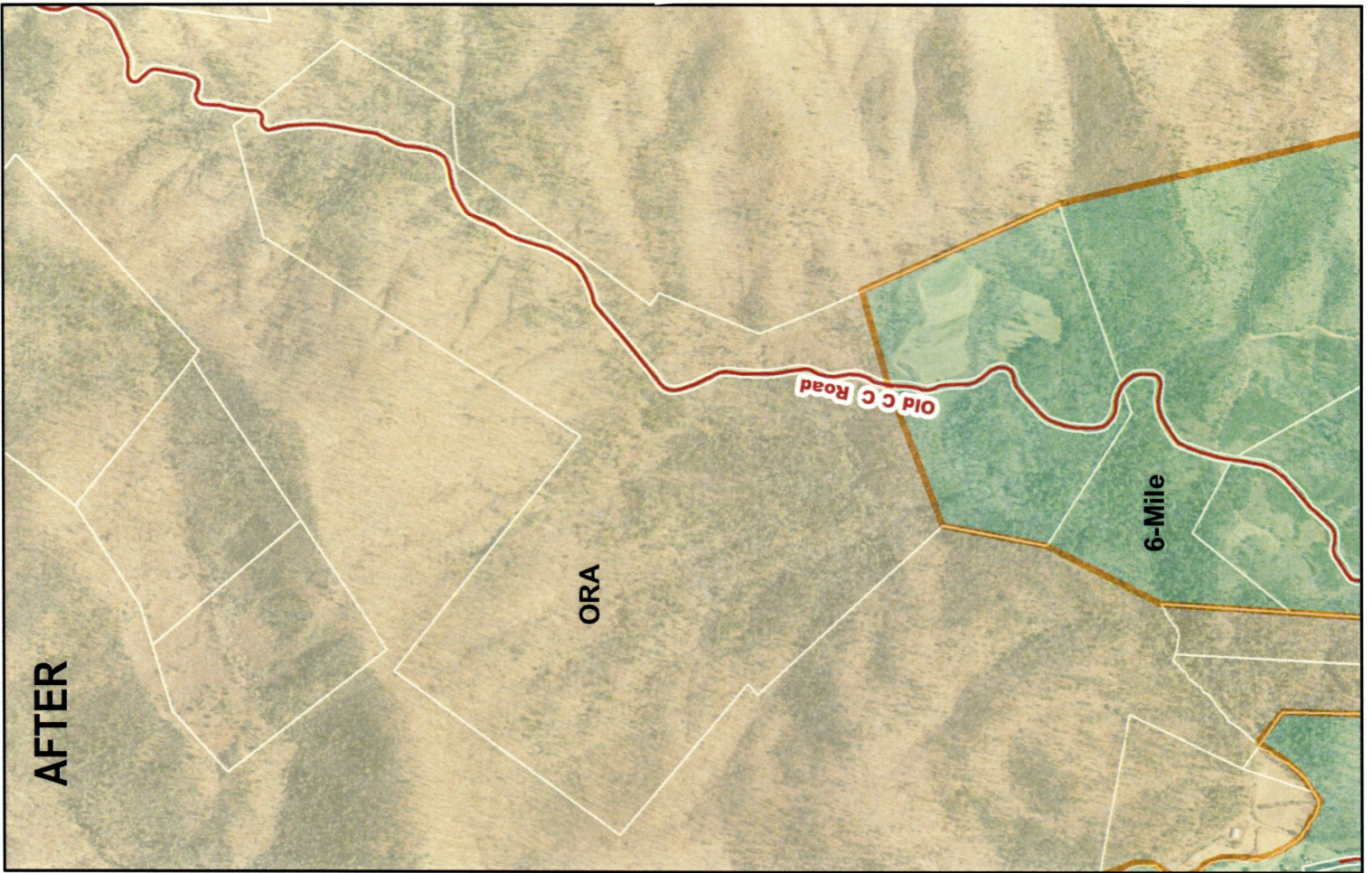
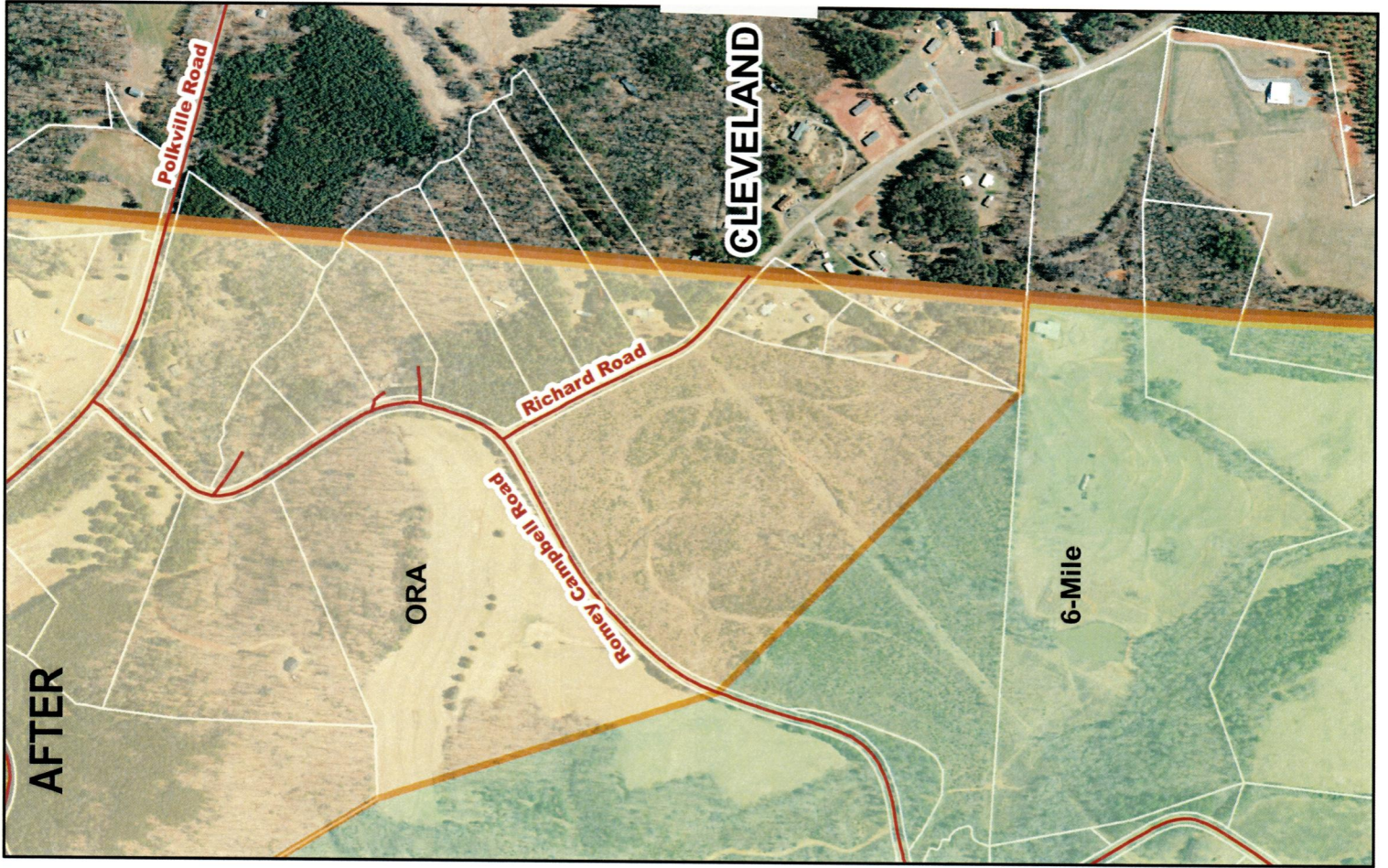
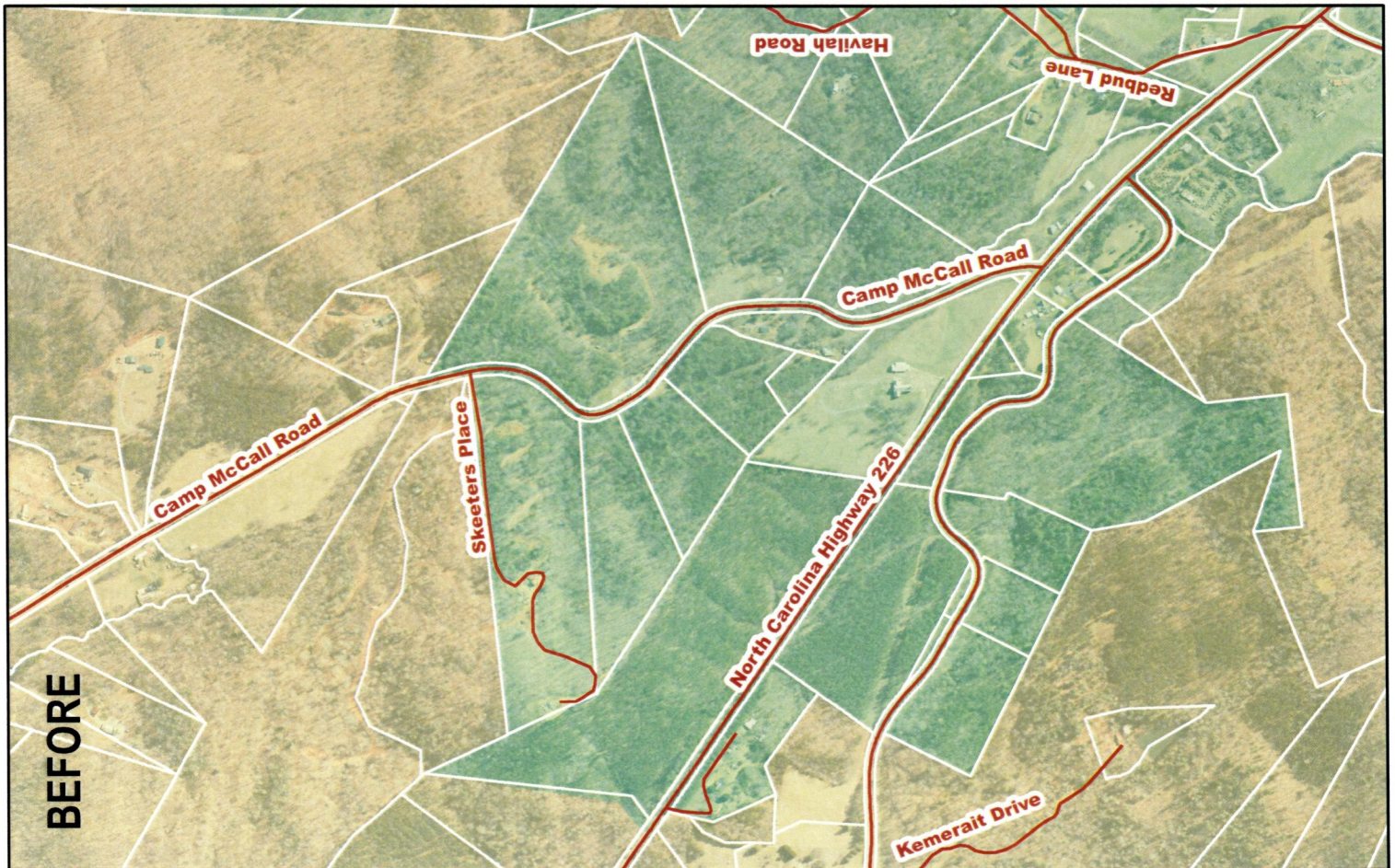
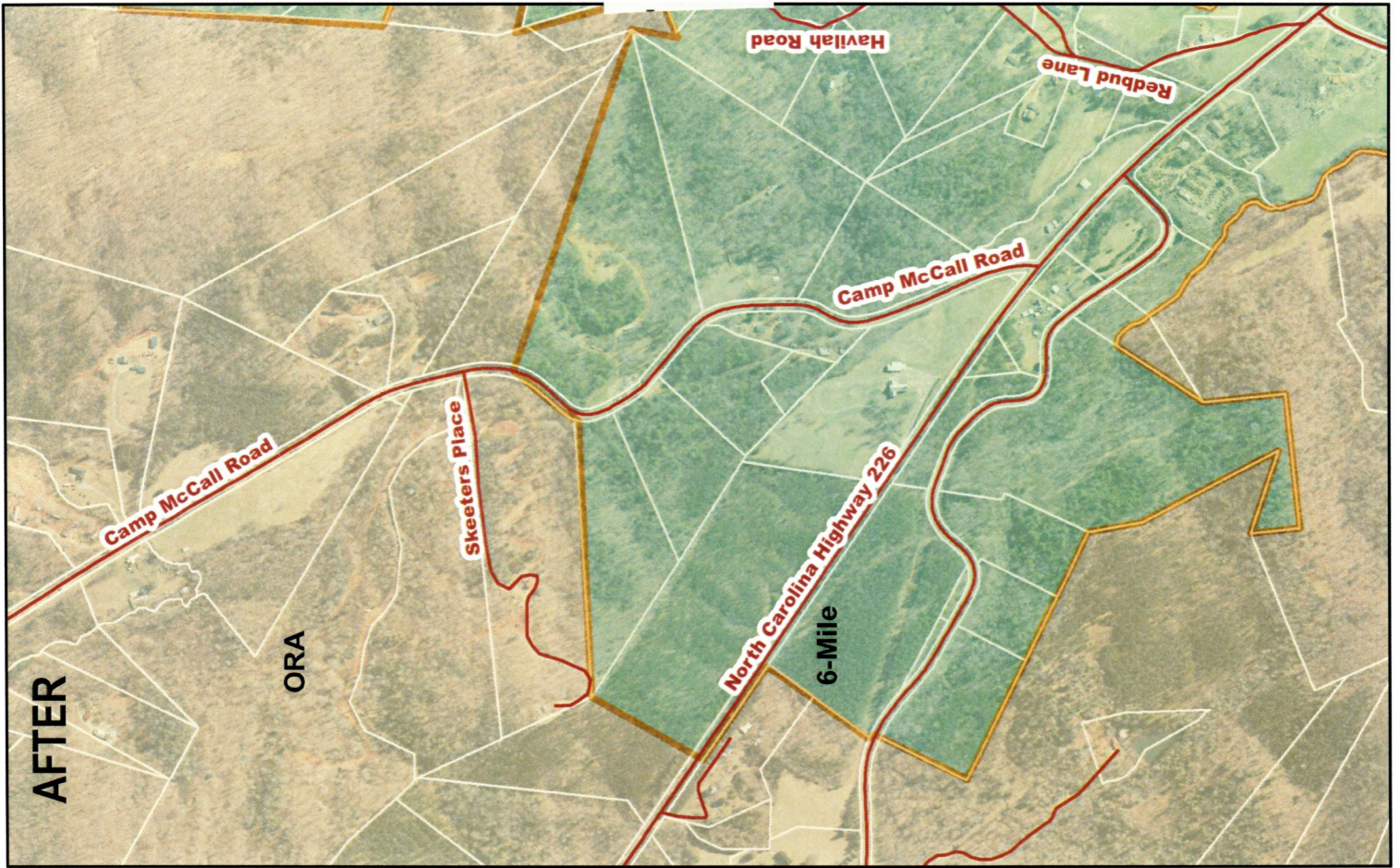


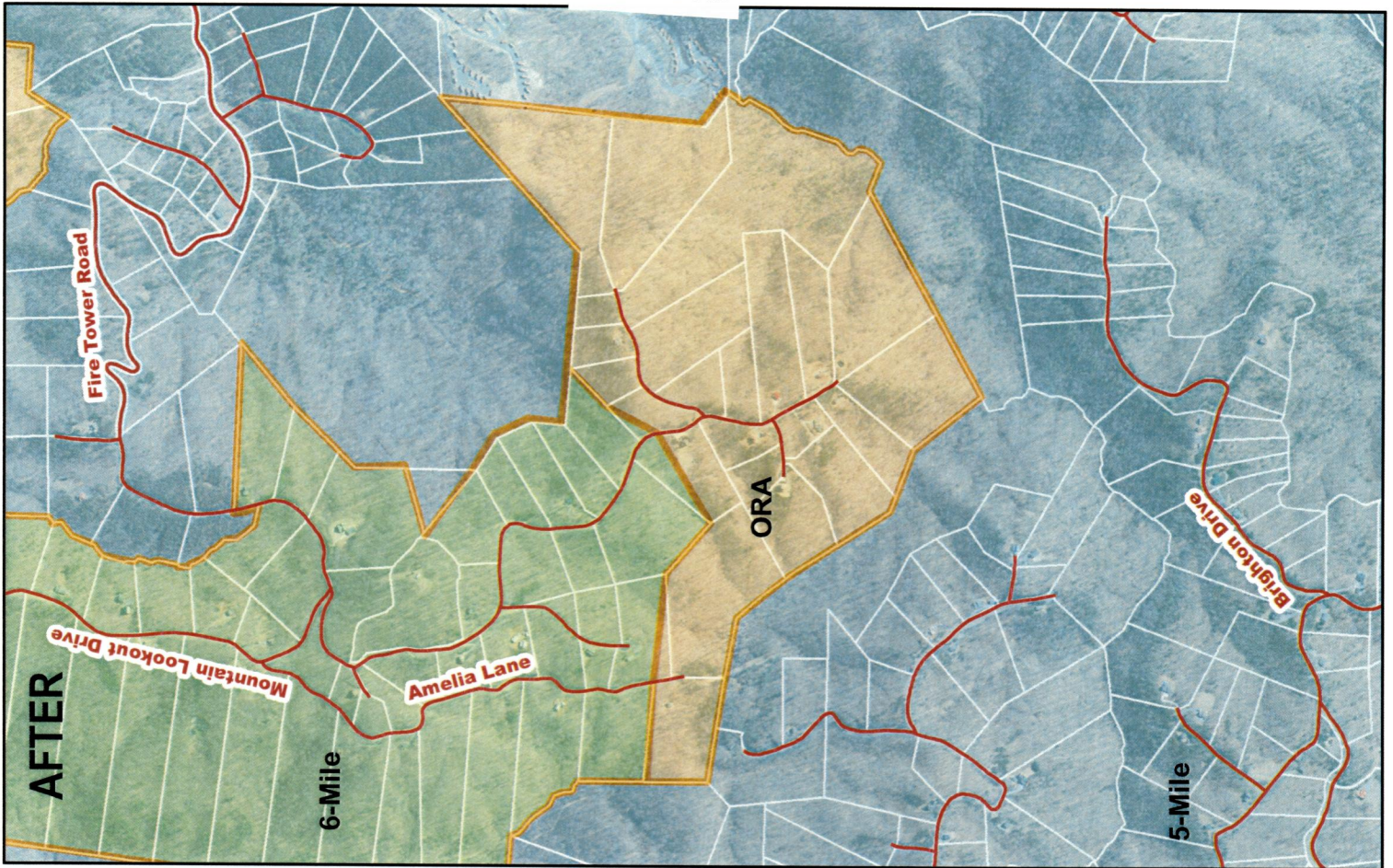
Exhibit I











Update 1.

1639127
1658453

Exhibit N

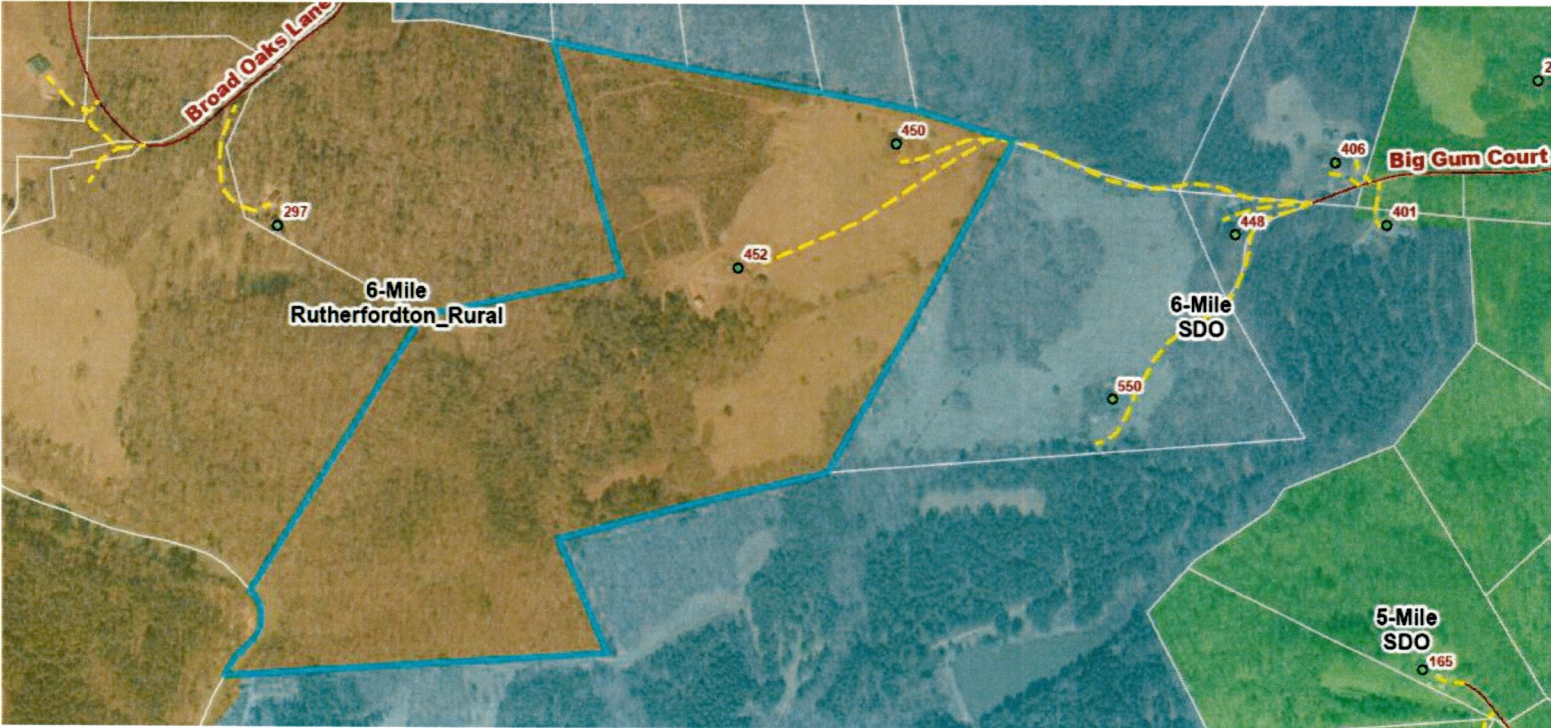
FROM: Green Hill 6 Mile **TO:** Rutherfordton 5 Mile Rural



Update 2.

1610988

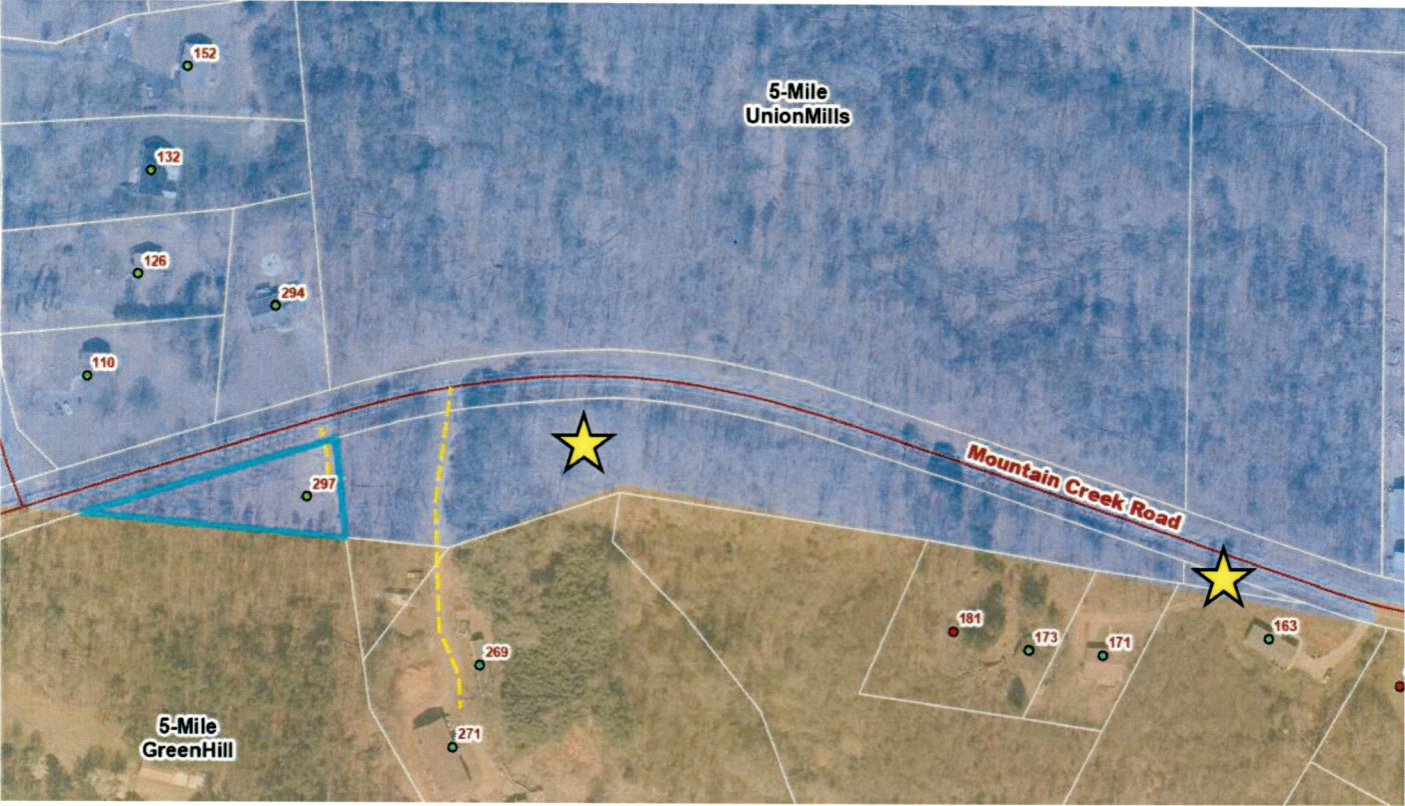
FROM: SDO 6 Mile **TO:** Rutherfordton 6 Mile Rural



Update 3.

1620811
1619558 Portion across the road
616271 Portion across the road (Green Hill to get all of Left side)
FROM: Union Mills 5 Mile **TO:** Green Hill 5 Mile

Exhibit O



Update 4.

1643236
FROM: Bills Creek 6 Mile **TO:** Lake Lure Rural 5 Mile

