

FOREST MANAGEMENT OVERVIEW AND PLAN

2019

Choctaw Nation Forestry

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ARABIAN TRACT # 127-001

SW 1/4 , NW 1/4 SECTION 14 T2N R22E

PUSHMATAHA COUNTY, OKLAHOMA

Contents

Type of Tribal Land and Property Information.....2

Choctaw Nation Forestry Objectives.....3

Current Conditions.....3

Forest Management Prescriptions.....3

Planning and Accomplishment Record.....4

Topographic and Watershed Map.....5

Vicinity Map.....6

Stand Map.....7

Approximate Costs.....8

Tract Information

Tract Name: Arabian Tract **Tract ID#:** 127-001

Legal Description: SW 1/4 , NW 1/4 Section 14 T2N R22E

Total Acres 40

Forested Acres 25

Non-Forest Acres 15

Approximate Property Coordinates: 34.64624 N

94.97063 W

Lessee: None

Property Type: Trust

Cover Type: Brush/Upland Oak Hickory Type with small areas of open pasture intermingled.

Topography: Relatively flat with a small hill running from west to east through the middle of tract. The land slopes slightly south and east from this hill almost to a small creek off the property called post oak creek. The land also slopes slightly to the north and east off of the small hill to the northeast corner where it joins a large pond from the adjacent landowner.

Soils : The soils found on the Arabian Tract range from poor to average in quality. The soils found on the tract are the Tuskahoma, Sherwood, and Clebit. The majority of the timbered areas of the tract are in the Tuskahoma soils with a site index for pine of fifty. The other two soils represent the remaining land with an average site index for pine of fifty five.

Choctaw Nation Forestry Objectives

Due to the cover type of this tract, there are no forestry objectives needed at this time. The tract will be reevaluated as needed to determine if any forestry practices are needed.

Current Conditions

The Arabian Tract # 127-001 contains 40 acres. It contains approximately 24.4 acres of brush/timber in the upland oak/hickory type. Common species are winged elm, post oak, mockernut hickory, and eastern red cedar. There is a small amount of low quality shortleaf pine in the middle to southern part of tract. There is approximately 15.6 acres of open pastureland that is being encroached upon by the hardwood and cedar.

Topography: The terrain on this tract is relatively flat. There is a small rise of elevation in the middle of tract that runs generally west to east. The land slopes slightly off either side of this to the north and east, and to the south and east to near post oak creek.

Access: Access is off of the Indian highway south of Talihina turning east onto county road 1630, also known as post oak road. Then turn south onto county road 4530 for 1/4 mile, tract is on the east side of road.

Forest Condition: There is approximately 24.4 acres of brush/timber on this tract. Due to the poor site of the tract the tree quality is low. There is little commercial timber in the tract. The majority of trees are small in diameter, and short. Common tree species found are winged elm, post oak, hickory, eastern red cedar, and a small number of scattered shortleaf pine.

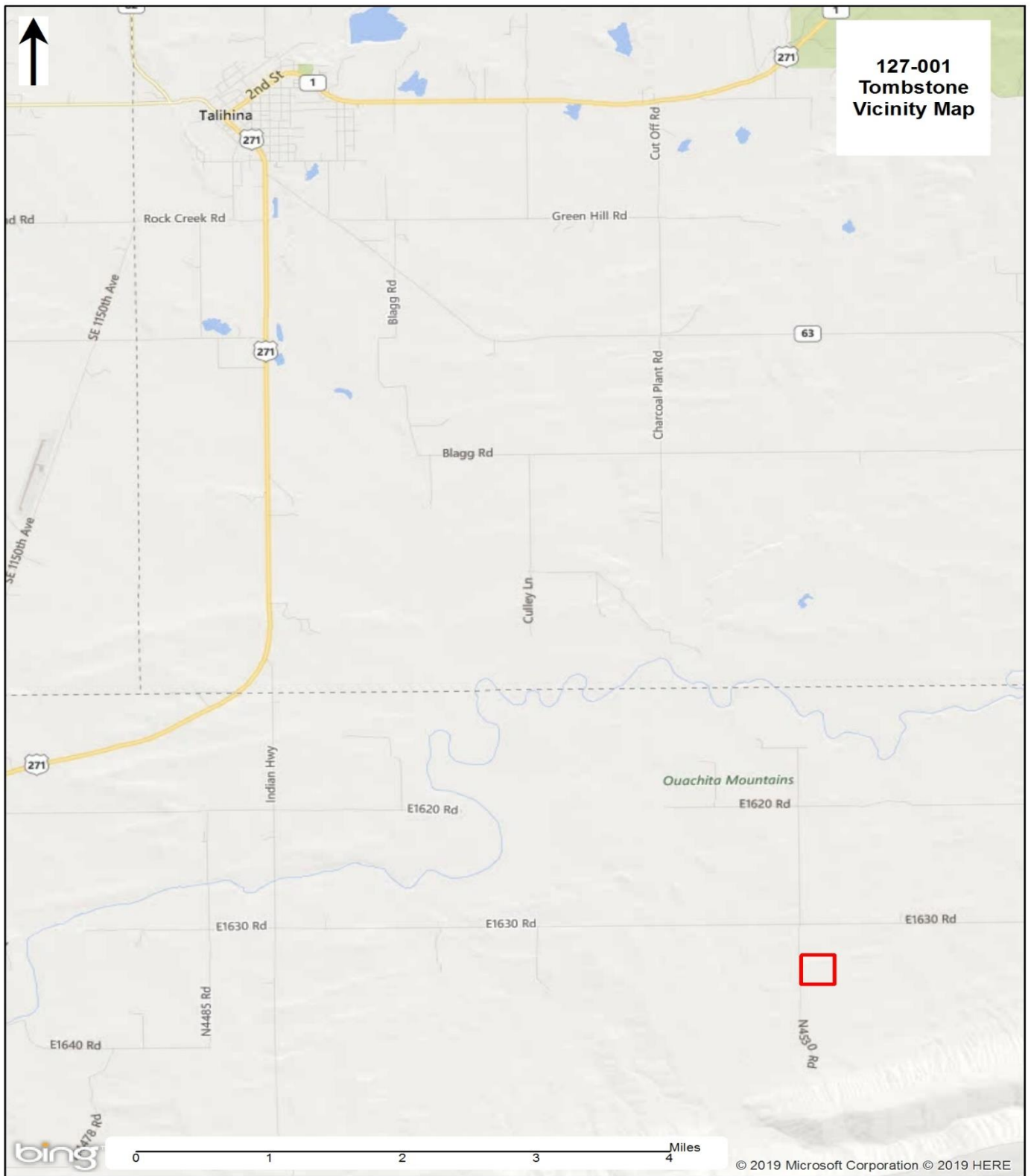
Forest Management Prescription

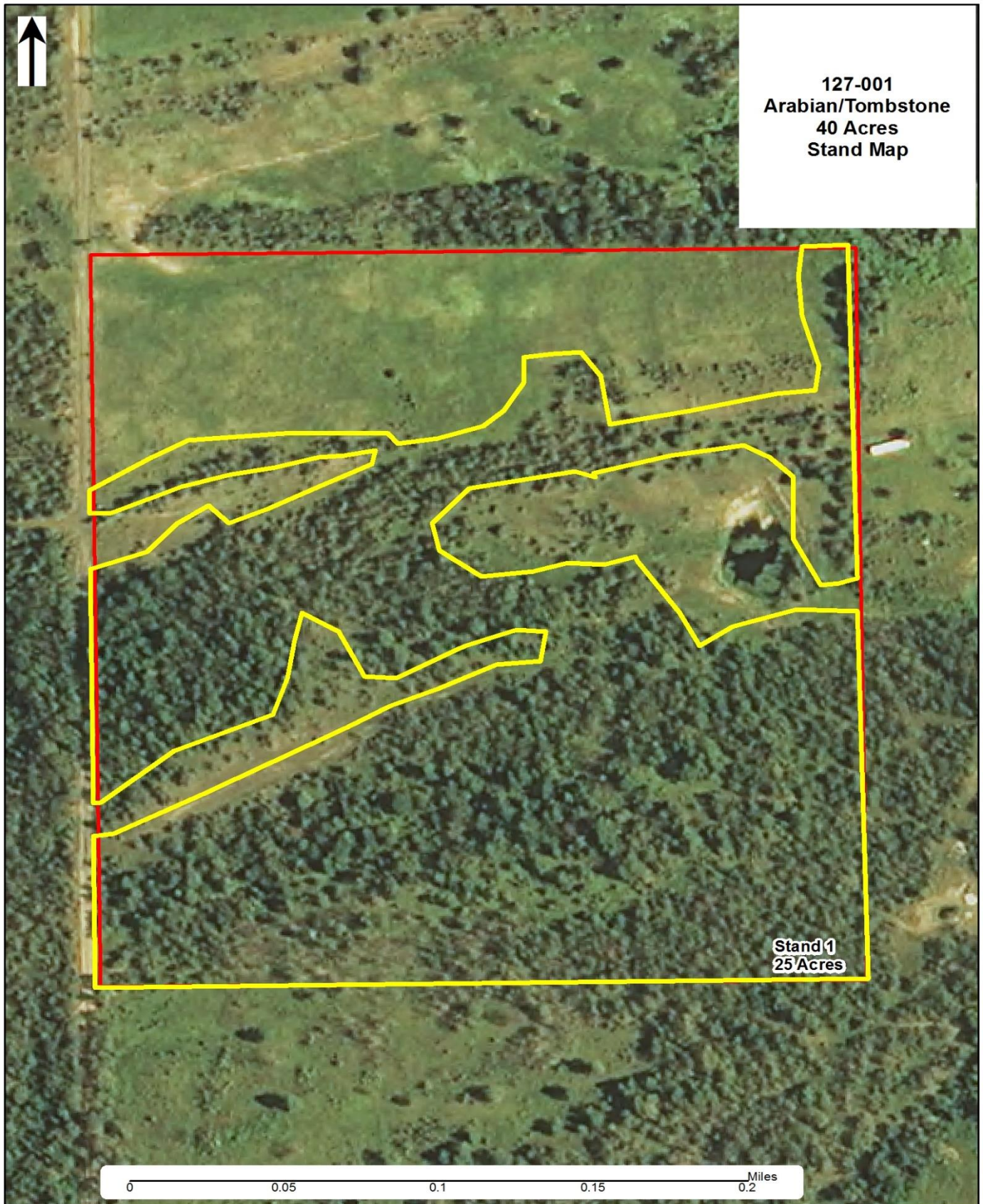
The Management Plan is designed to cover a 10-year period. This plan will be revised at the end of 10 years to address results, renewed or revised land management objectives and to prescribe practices to carry out in the following decade. Due to the poor quality timber found, and the low potential for growing quality timber, no commercial timber harvesting is needed at this time. The timbered areas will be improved by removing the underbrush with a DBH of 6 inches and less, and all the eastern red cedar. Choctaw Nation Forestry will apply for forest development funds thru the BIA for doing a chemical release of the larger hardwood and pine timber. The release will be accomplished by injecting all hardwood with a DBH of 6 inches and less. The Land Management Branch of the Choctaw Nation will also help to reduce the underbrush by mechanical shearing and piling the cedar. The Forestry Branch will Perform a growing season burn in October of 2019 to try to reduce the underbrush in the tract. After the brush is cut and piled another controlled burn can be implemented to help reduce excess fuels on the tract.

Planning and Accomplishment Record

Stand 1-4

| DATE | FIELD | TREATMENT | UNITS | DATE COMPLETED |
|---------------|-------|--------------------|----------|----------------|
| July 2019 | 1 | Cut and Pile | 5 acres | |
| Sept-Oct 2019 | 1 | Rx Burn | 40 acres | |
| Sept-Oct 2019 | 1 | Inject 6" and less | 25 acres | |
| July 2020 | 1 | Cut and Pile | 5 acres | |
| July 2021 | 1 | Cut and Pile | 5 acres | |
| July 2022 | 1 | Cut and Pile | 5 acres | |
| July 2023 | 1 | Cut and Pile | 5 acres | |
| October 2023 | 1 | Rx Burn | 40 acres | |
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Approximate Costs

Estimated Costs for 25 Acres

| Practice | Amount | Rate ¹ | Total |
|-----------|----------|-------------------|---------|
| RX Burn | 25 acres | \$120/acre | \$3,000 |
| Injection | 25acres | \$150/acre | \$3,750 |
| Total | | | \$6750 |

¹The rates for each practice are estimates and subject to change.