

Marilla Too Project Treatment Type: White Pine Planting Alternative 4 Only

Treatment Unit: 404/25 Acres: 47 Alternative: 4 LSC: 500 ELTP: 231

TREATMENT UNIT DESCRIPTION

This mixed oak/upland hardwood unit was harvested in the late 1980. Scattered gaps in the canopy are proposed for underplanting with white pine. This unit is located in MA 2.1G (Roaded Natural Rolling Plains and Morainal Hills) and within the Marilla Grouse Emphasis Area. These units are located within the Tippy Dam Management Zone (TMZ) area identified for protection of Indiana bat habitat.

RESOURCE PRESCRIPTION AND FACTS CODE(S) 2510, 4432, 4342, 4383

Reforestation: These units would be underplanted using hand tools with white pine in canopy breaks at the rate of 100-200 trees per acre. Retain 20% of canopy gaps unplanted.

Wildlife Prescription: Create a lined waterhole in a canopy gap.

Invasive Plant Control Prescription:

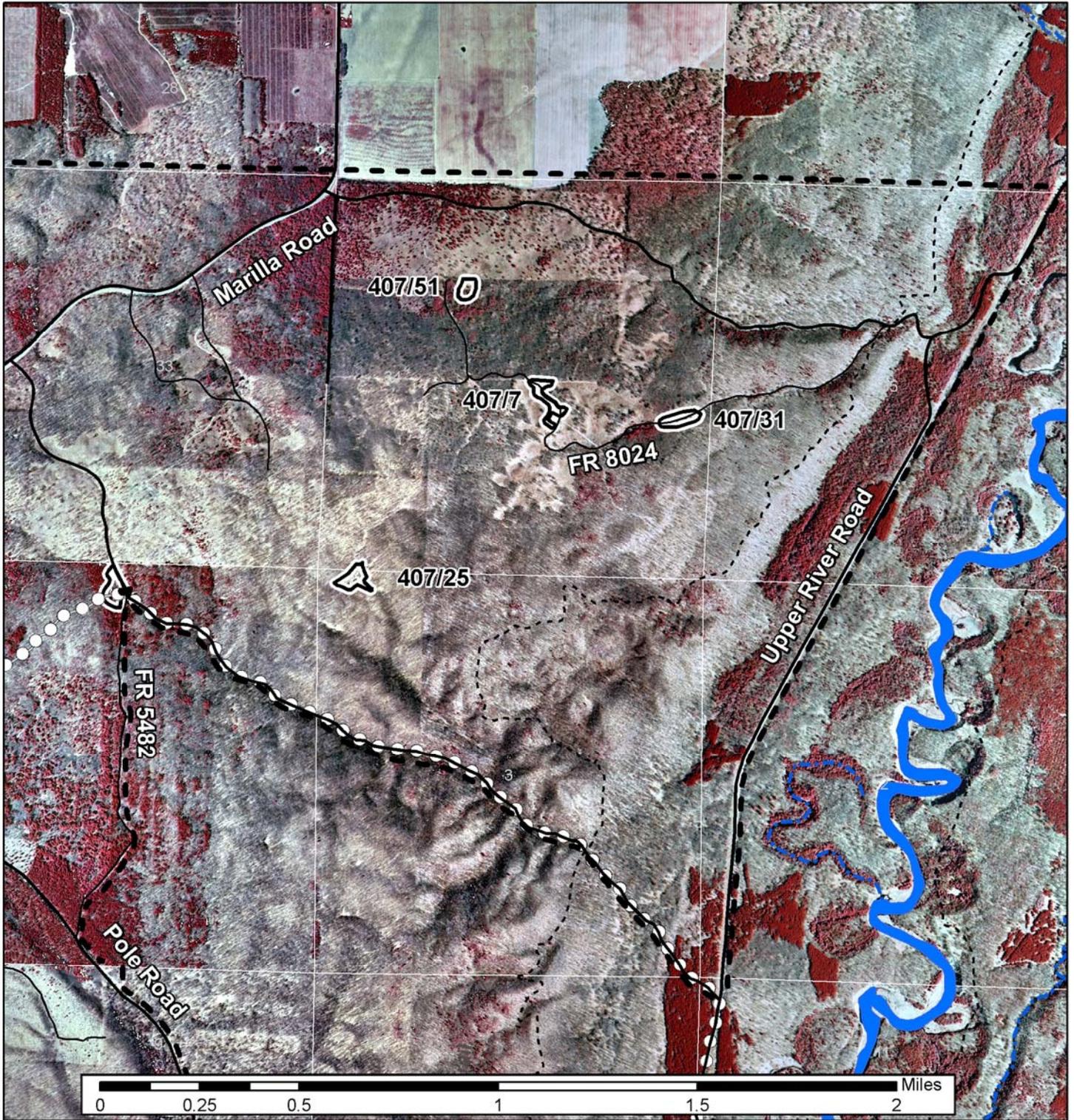
Autumn olive control in Unit 404/25: Stump treat with glyphosate.

Marilla Too Project

Opening Maintenance

Treatment Units:	
407 / 7	407 / 25
407 / 31	407 / 51

Alternatives 2, 3, 4



Legend			
	Project Area Boundary		Open Public Road
	Opening Maintenance		Hiking Trails
	Other Treatments		Snowmobile Trails
	Sections		Streams
			Lakes & Rivers

Marilla Too Project Treatment Type: Opening Maintenance

Treatment Unit: 407/7	Acres: 2	Alternatives: 2, 3, 4	LSC: 200	ELTP: 231
Treatment Unit: 407/25	Acres: 2	Alternatives: 2, 3, 4	LSC: 200	ELTP: 231
Treatment Unit: 407/31	Acres: 2	Alternatives: 2, 3, 4	LSC: 200	ELTP: 230
Treatment Unit: 407/51	Acres: 1	Alternatives: 2, 3, 4	LSC: 200	ELTP: 231

TREATMENT UNIT DESCRIPTION

These upland opening units are located in MA 4.2G (Roaded Natural Sandy Plains and Hills) and within the Marilla Grouse Emphasis Area.

RESOURCE PRESCRIPTION AND FACTS CODE(S): 2510, 6131

Opening Prescription:

- Unit 407/7 - Conduct opening maintenance by brushing.
- Unit 407/25– Conduct opening maintenance by brushing.
- Unit 407/31– Conduct opening maintenance by brushing.
- Unit 407/51– Conduct opening maintenance by brushing.

Invasive Plant Control Prescription:

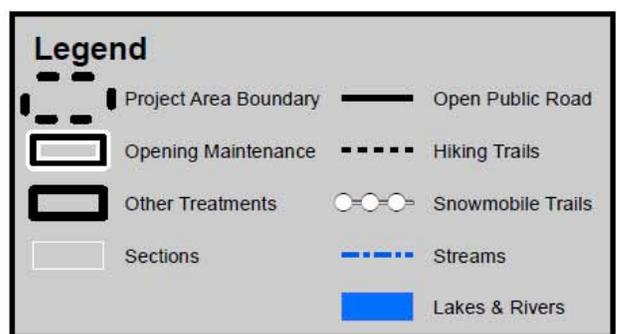
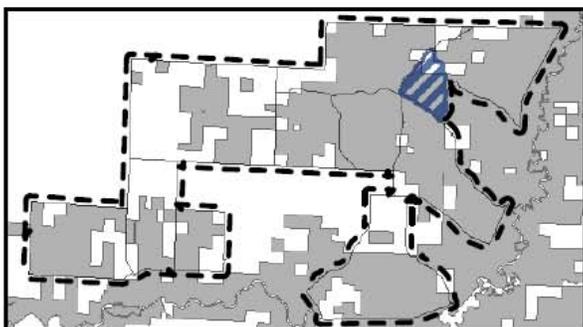
Alternatives 2 and 4: Honeysuckle control in Unit 407/51: Stump treat with glyphosate.

Marilla Too Project

Opening Maintenance

Treatment Units:
409 / 4 409 / 12

Alternatives 2, 3, 4



Marilla Too Project Treatment Type: Opening Maintenance

Treatment Unit: 409/4 Acres: 2 Alternatives: 2, 3, 4 LSC: 200 ELTP: 231
Treatment Unit: 409/12 Acres: 2 Alternatives: 2, 3, 4 LSC: 200 ELTP: 231

TREATMENT UNIT DESCRIPTION

These upland opening units are located in MA 4.2G (Roaded Natural Sandy Plains and Hills) and within the Marilla Grouse Emphasis Area. This opening is an old landing site.

RESOURCE PRESCRIPTION AND FACTS CODE(S): 6080, 6131

Opening Prescription:

Unit 409/4 – Conduct opening maintenance by brushing. Plant grasses and wildflowers.
Unit 409/12 – Conduct opening maintenance by brushing or mowing.

RESOURCE CONCERNS AND MITIGATION

Concern: Presence of known cultural resource site in Unit 409/12.

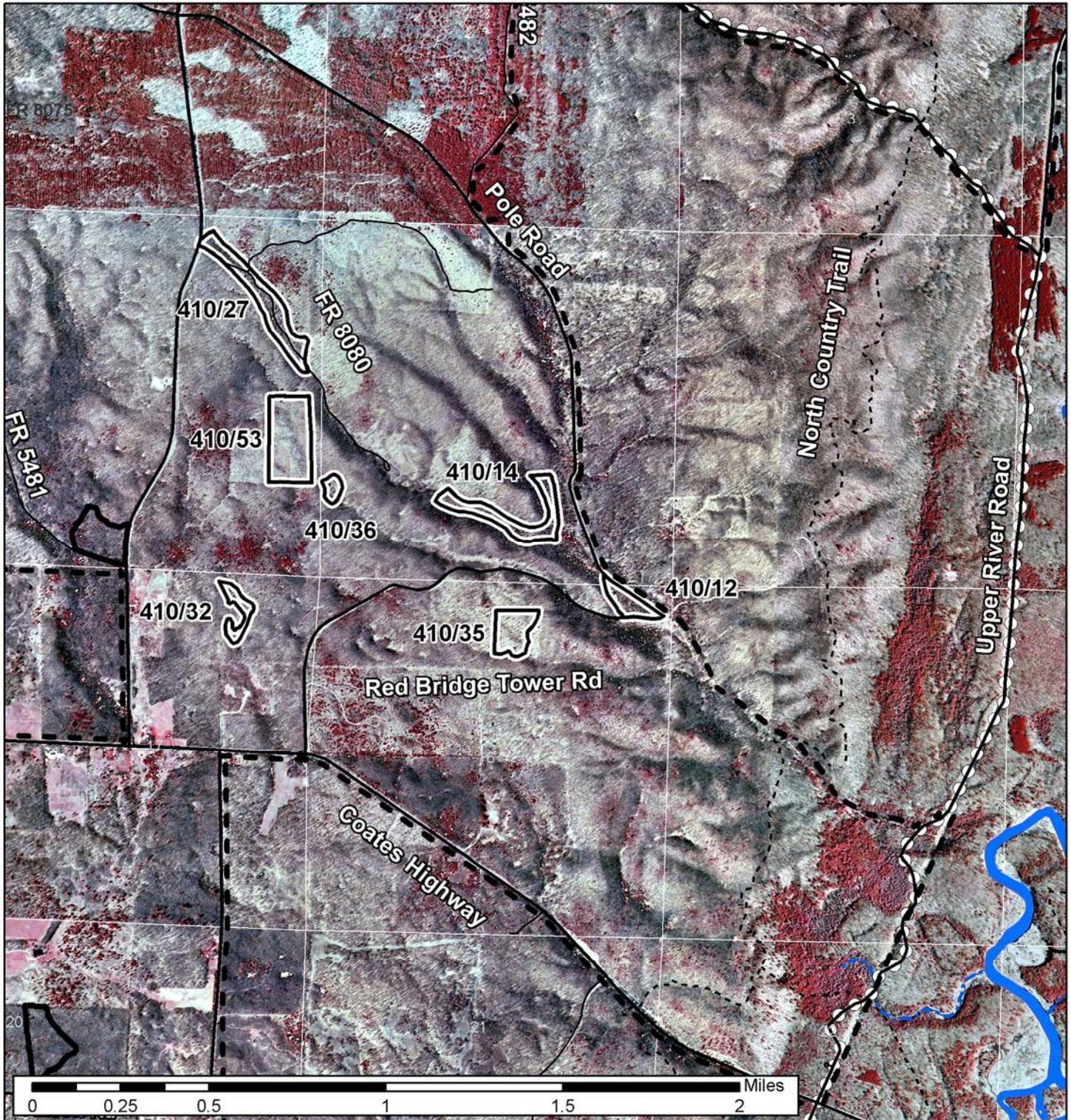
Mitigation: Exclude ground disturbing activities up to a minimum of 30 meter buffer zone from established site boundary. No equipment will be allowed within site boundary. No scattering or piling of slash within site boundary.

Marilla Too Project

Opening Maintenance

Treatment Units:			410 / 35
410 / 12	410 / 27	410 / 36	
410 / 14	410 / 32	410 / 53	

Alternatives 2, 3, 4



Legend

Project Area Boundary	Open Public Road
Opening Maintenance	Hiking Trails
Other Treatments	Snowmobile Trails
Sections	Streams
	Lakes & Rivers

Marilla Too Project Treatment Type: Opening Maintenance

Treatment Unit: 410/12	Acres: 5	Alternatives: 2, 3, 4	LSC: 200	ELTP: 235
Treatment Unit: 410/14	Acres: 12	Alternatives: 2, 3, 4	LSC: 200	ELTP: 235
Treatment Unit: 410/27	Acres: 15	Alternatives: 2, 3, 4	LSC: 200	ELTP: 220
Treatment Unit: 410/32	Acres: 4	Alternatives: 2, 3, 4	LSC: 200	ELTP: 221/30
Treatment Unit: 410/35	Acres: 8	Alternatives: 2, 3, 4	LSC: 200	ELTP: 230
Treatment Unit: 410/36	Acres: 2	Alternatives: 2, 3, 4	LSC: 200	ELTP: 230
Treatment Unit: 410/53	Acres: 18	Alternatives: 2, 4	LSC: 200	ELTP: 230
Treatment Unit: 410/53	Acres: 14	Alternative: 3	LSC: 200	ELTP: 230

TREATMENT UNIT DESCRIPTION

These upland opening units are located in MA 2.1G (Roaded Natural Rolling Plains and Morainal Hills) and within the Marilla Grouse Emphasis Area. These units are located within the Tippy Dam – Tippy Management Zone (TMZ) area identified for protection of Indiana bat habitat.

RESOURCE PRESCRIPTION AND FACTS CODE(S): 2510, 6102, 6210, 6131, 6101

Opening Prescription:

Unit 410/12 – Conduct opening maintenance by brushing to release shrubs.
 Unit 410/14 – Conduct opening maintenance by brushing and pruning apple trees.
Unit 410/27 – Conduct opening maintenance by brushing. **Conduct prescribed burn in Alternative 2 only.**
 Unit 410/32 – Conduct opening maintenance by brushing and girdling encroaching larger trees.
Unit 410/35 – Conduct opening maintenance by brushing. **Conduct prescribed burn in Alternative 2 only.**
 Create a lined waterhole.
 Unit 410/36 – Conduct opening maintenance by brushing.
Unit 410/53 – Conduct opening maintenance by brushing. Plant grasses and wildflowers. **Conduct prescribed burn only in Alternative 2 and Alternative 4. Burn larger area around existing opening to create a safe control line.**

Prescribed Burning Prescription: **Units 410/27 and 410/35 would be burned under Alternative 2 only. Unit 410/53 would be burned under Alternative 2 and 4.** Include the adjacent area around the existing opening in the prescribed burn unit to create a safe control line. A series of maintenance burns are anticipated to encourage continued growth of the grasses and forbs and sustain plant species dependent on fire; to reduce additional fuel buildup; and discourage regeneration of tree species. Additional prescribed burns spaced every 3 to 5 years may be required to achieve these goals. Following the prescribed burn in Unit 410/53, the upland opening portion would be seeded/planted with grasses and wildflowers in scattered patches throughout the unit.

Invasive Plant Control Prescription:

Alternative 2, 3, 4: Bull thistle in Units 404/12, 404/14, 404/27, 404/35: Treat with glyphosate.

RESOURCE CONCERNS AND MITIGATION

Concern: Protection of potential Indiana bats present during the breeding and swarming season and potential habitat.

Mitigation: Prescribed burning in Units 410/27, 410/35, and 410/53 only under Alternative 2 and 4 would be prohibited from May 1 to October 20 to eliminate the possibility of impacting individual bats in roosts. Prescribed burns would be conducted only when smoke would be transported away from the Tippy Dam or when the majority of the smoke would disperse before reaching the Tippy Dam to protect hibernating bats. Standing snags over 5” dbh would not be cut and/or removed unless considered a safety hazard.

Concern: Presence of known cultural resource site in Unit 410/14.

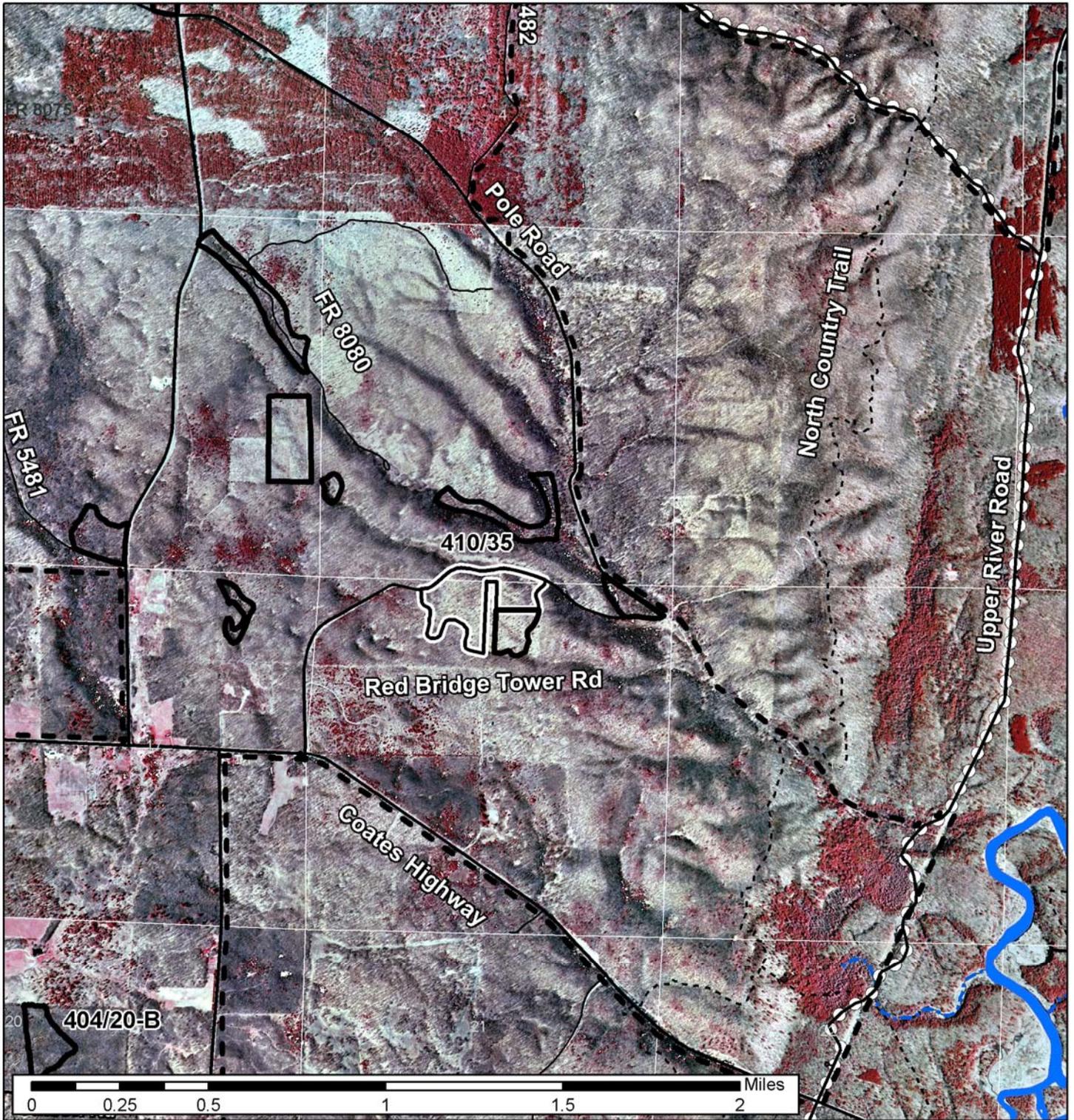
Mitigation: Exclude ground disturbing activities up to a minimum of 30 meter buffer zone from established site boundary. No equipment will be allowed within site boundary. No scattering or piling of slash within site boundary.

Marilla Too Project

White Pine Planting

Treatment Unit:
410 / 35

Alternative 2



Legend

	Project Area Boundary		Open Public Road
	White Pine Planting		Hiking Trails
	Other Treatments		Snowmobile Trails
	Sections		Streams
			Lakes & Rivers

Marilla Too Project Treatment Type: White Pine Planting Alternative 2 Only
Treatment Unit: 410/35 Acres: 28 Alternative: 2 LSC: 500 ELTP: 230

TREATMENT UNIT DESCRIPTION

This northern hardwood stand received a shelterwood seed cut in the early 1990s. Scattered gaps in the canopy are proposed for underplanting with white pine. This unit is located in MA 2.1G (Roaded Natural Rolling Plains and Morainal Hills) and within the Marilla Grouse Emphasis Area. These units are located within the Tippy Dam Management Zone (TMZ) area identified for protection of Indiana bat habitat.

RESOURCE PRESCRIPTION AND FACTS CODE(S) 2510, 4432, 4342, 4383

Reforestation: These units would be underplanted using hand tools with white pine in canopy breaks at the rate of 100-200 trees per acre.

Invasive Plant Control Prescription:

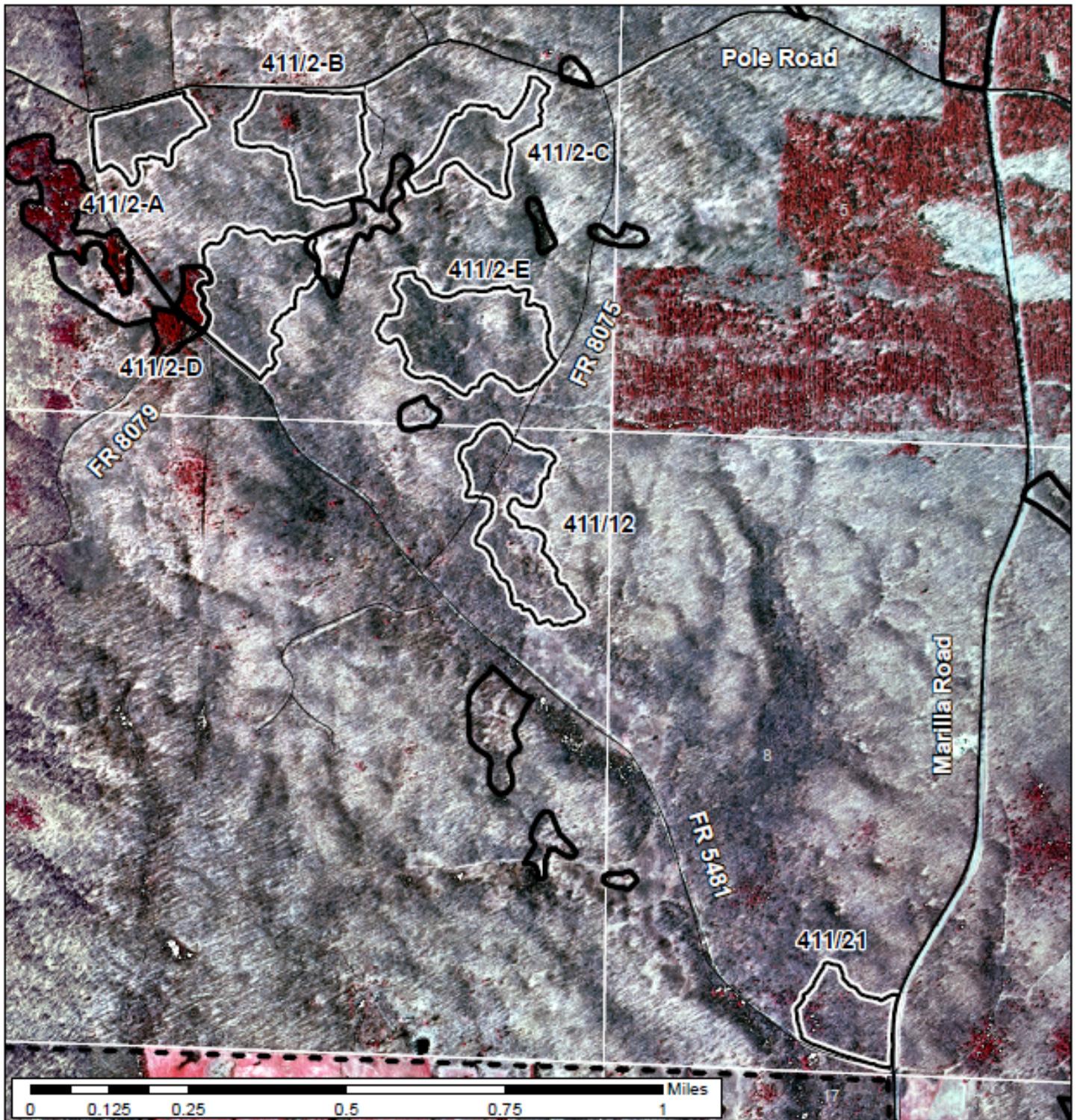
Bull thistle in Unit 404/35: Treat with glyphosate.

Marilla Too Project

Clearcut - Aspen

Treatment Unit:		411 / 2-E
411 / 2-A	411 / 2-C	411 / 12
411 / 2-B	411 / 2-D	411 / 21

Alternatives 2, 3, 4



Legend

Project Area Boundary	Open Public Road
Aspen Clear Cut	Hiking Trails
Other Treatments	Snowmobile Trails
Sections	Streams
	Lakes & Rivers

