

## **VII. APPENDICES**

### **APPENDIX I Initial Public Information Meeting - Public Comment Summary**

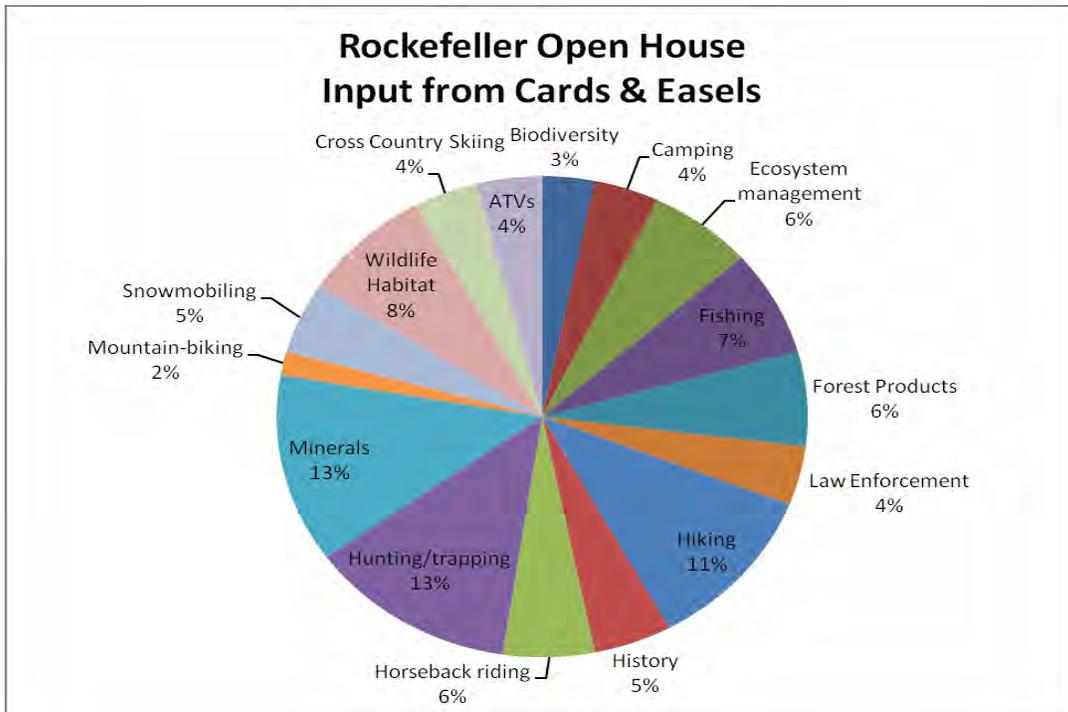
#### **BACKGROUND**

In February of 2012 the DEC Division of Lands and Forests began seeking public participation in order to develop the draft Rockefeller UMP.

The public was invited to participate through public press releases and a direct mailing to over 400 potentially affected stakeholders such as nearby residents, town officials, recreational groups, and DEC Volunteer Stewards. On February 23, 2012 a public information open house was held at the Cortland DEC office. Thirty-eight people attended the public participation open house. To gather public input/comments, a public comment card was provided to attendees and they were encouraged to write comments on easels at the public information open house.

#### **STAKEHOLDER INTERESTS/WRITTEN COMMENTS**

Stakeholders that attended the meeting had a variety of interests in regards to management of the Rockefeller unit. Interests of participating stakeholders were captured using the Topics of Interest check boxes located on the comment cards provided at the public participation meeting and written comments received. Stakeholders provided their written comments and suggestions using a large index card provided by the DEC (at the public information meeting), on easels (at the public information meeting), by email, or by letter. To date, twenty-two index cards have been returned; seventeen provided specific comments, five did not. Four written comments were received from easels at the public participation open house. The DEC also received three written letters or emails addressing the unit. The following pie chart was developed using the comment cards that were provided to participants of the public information meeting and written comments received by the DEC.



**Public Interests According to the Check Boxes Located on the Comment Card and Written Comments Submitted to the DEC.**

Written comments received by the DEC were grouped into the following general categories:

- Public-use and recreation – A majority of the comments received fall into the public-use and recreation category. These comments were submitted from various user groups and cover a broad range of interests.
- Forest products/economics - A vast majority of these comments request continuing or increasing harvesting on the unit.
- Oil and gas exploration – The comments received in this category are against and for oil and gas exploration/development on forests within the unit.
- Wildlife/habitat – About one third of the comments received in the wildlife/habitat category are requesting more early-successional habitat on the unit.
- Law enforcement/stewardship/infrastructure – About half of the comments in this category are requesting more law enforcement.

A list of the written comments received by the DEC can be found below. Listing of these comments does not imply any endorsement, agreement or disagreement by the DEC. The comments are listed to show the many viewpoints and ideas received during the initial public participation phase. The comments found below have, in some cases, been edited for length and clarity. Comments with the same viewpoints may have been combined to save space. The comments were considered during the development of Unit Management Plan (UMP). After most comments, there is a reference to *Section II. - Management Objectives and Actions*, where the UMP addresses the comment.

Public-Use & Recreation These comments are addressed in *Sections II.C – Infrastructure and Real Property* and *II.D. - Public/Permitted Use*.

1. The unit should remain mainly for hunting (see page 58).
2. Maybe develop some through trails for hiking, but no motorized vehicle trails (see page 58 and pages 60 and 61).
3. Camping should not be allowed on the unit, especially at the fishing access site (see page 59)
4. ATVs, dirt bikes and other off-highway vehicles should not be allowed on the unit (see pages 60 and 61).
5. Would like to have ATV trails on the unit (see pages 60 and 61).
6. Ask town teens (community service) to help with trails (see page 57).
7. Stop ATVs, they are destroying the properties (see pages 60 and 61).
8. ATVs should be allowed to use existing skid trails (see pages 60 and 61).
9. Do more publicity to encourage snowmobiles, horses, and hiking (see page 62).
10. Have summer work for teens (maintain trails) (see page 57).
11. I support science based recreation.
12. Expand the pheasant release program on the unit (see page 59).
13. Construct a fire road through the forests to provide better access for hunting and horseback riding (see pages 55 through 57).
14. Improve logging trails and develop more trails for horseback riding and hiking (see pages 55 through 57).
15. Designate areas for overnight camping/resting/picnic areas with horses such as at the end of the Grigg's Gulf Public Forest Access Road, at Huckleberry Pond, and near the beaver pond on Beaver Pond State Forest (see page 59).
16. Consider a Volunteer Stewardship Program agreement for trail maintenance (see page 57).
17. I would like to see the land used for recreational purposes i.e., hunting, snowmobiling, cross country skiing, and hiking (see pages 58 through 60).

Forest Products/Economics These comments are addressed in *Sections II.A – Ecosystem Management* and *II.E – Forest Management and Health*.

1. The unit should remain mainly for timber management (see page 63).
2. Change the law to allow the elderly and the poor to remove fallen trees for fuelwood.
3. Any problems with forest insects & diseases in the area (see pages 64 and 65)?
4. Continue to offer timber for sale (see page 63).
5. I support science based forest management.
6. Use timber sales to increase early successional cover (see pages 45 and 46) .
7. Let's do some logging to save trees being wasted.
8. Many local people depend on harvesting deer and turkey each fall in order to provide meat for the table throughout the winter months.
9. Not opposed to thinning dense forests.

Oil and Gas Exploration These comments are addressed in *Objective II.D.5 – Mineral Resources* on page 61.

1. Concerned with the impacts that gas drilling will have on me and my property if gas development takes place on State lands.
2. No hydraulic fracturing should take place on the unit to protect private wells and streams.
3. No hydraulic fracturing. Preserve our water and natural habitats.
4. I support science based natural gas exploration, development, and extraction.
5. Clearcut red pine stands and develop gas well pads in these areas.
6. Gas is good. Frack baby frack.
7. We are concerned that drilling/mining will degrade the water quality in the area.

Wildlife/Habitat These comments are addressed in *Sections II.A – Ecosystem Management, II.B – Resource Protection* and *II.D Public/Permitted Use*.

1. Protect wildlife & their habitats (see pages 44 through 53).
2. Reduce the size of wildlife management unit 7R and give out less doe tags.
3. Practice Quality Deer Management (QDM) on Turkey Hill State Forest.
4. Increase early successional habitat cover utilizing even-aged management (see pages 45 and 46).
5. Many song birds that are currently in decline require early successional cover.
6. Plant food sources for wildlife.
7. The plan should provide provisions for increasing habitat and food for deer, grouse, and turkey (see pages 44 through 48).
8. Continue to stock pheasants (see page 59).

Law Enforcement/Stewardship/ Infrastructure Most of these comments are addressed in *Section II.D – Public/Permitted Use*.

1. Need more law enforcement to curtail ATV usage (see page 60).
2. Need more law enforcement to remove tree stands that do not have ID and are left up longer than the big game season (see page 60).
3. More law enforcement to protect wildlife from illegal hunting and to control motorized vehicles (see page 60).
4. Have town do plowing and mowing on State land.
5. Use signs and put stuff into town newsletter (see page 62).
6. Better care of Rockefeller homestead (see page 57).
7. Ridge Riders Snowmobile Club would cut brush at Rockefeller homestead (see page 57).
8. Maintain the unit by avoiding development and deforestation (see pages 44 to 67).
9. Construct a fire road through the forests to provide better access for emergency crews (see pages 55 through 57).
10. More law enforcement to make sure people are not killing pheasants before the legal hunting times (see page 60).
11. The plan should be balanced, which will ensure that future generations will be able to enjoy the many things that we protect and encourage today (see pages 44 through 67).
12. Keep the pristine nature of the properties (see pages 44 through 67).

## APPENDIX II Real Property Taxes Based on 2010 Assessments

State Forest	Town	Total Acres	Assessed Acres	Assessed Value	Town Tax	School Tax	Fire District Tax	Total Tax
BT-2	Lisle	224	224	\$134,900	\$1,126	\$3,660	\$0	\$4,786
BT-2	Richford	924	876	\$1,690,500	\$13,015	\$30,041	\$1,853	\$44,909
<b>Total BT-2</b>		<b>1,148</b>	<b>1,100</b>	<b>\$1,825,400</b>	<b>\$14,141</b>	<b>\$33,701</b>	<b>\$1,853</b>	<b>\$49,695</b>
Cort-11	Harford	1,351	1,210	\$1,588,600	\$9,812	\$37,220	\$2,970	\$50,002
Cort-11	LaPeer	563	538	\$810,600	\$6,609	\$14,482	\$1,015	\$22,106
Cort-11	Richford	451	407	\$579,900	\$4,464	\$10,346	\$636	15,446
<b>Total Cort-11</b>		<b>2,365</b>	<b>2,155</b>	<b>\$2,979,100</b>	<b>\$20,885</b>	<b>\$62,048</b>	<b>\$4,621</b>	<b>\$87,554</b>
Tioga-5	Richford	1,108	1,062	\$1,588,300	\$12,228	\$28,336	\$1,741	\$42,305
<b>Total Tioga-5</b>		<b>1,108</b>	<b>1,062</b>	<b>\$1,588,300</b>	<b>\$12,228</b>	<b>\$28,336</b>	<b>\$1,741</b>	<b>\$42,305</b>
Tioga-8	Richford	1,180	513	\$571,900	\$4,403	\$10,203	\$627	\$15,233
<b>Total Tioga-8</b>		<b>1,180</b>	<b>513</b>	<b>\$571,900</b>	<b>\$4,403</b>	<b>\$10,203</b>	<b>\$627</b>	<b>\$15,233</b>
<b>Grand Total</b>		<b>5,801</b>	<b>4,830</b>	<b>\$6,964,700</b>	<b>\$51,657</b>	<b>\$134,288</b>	<b>\$8,842</b>	<b>\$194,787</b>

## APPENDIX III Classified Wetlands on the Unit

All wetlands listed are federally classified and are also New York State classified if I.D. code and legal status are present in the following table. Does not contain unclassified wetlands.

Forest	Stand	Acres	Cover Type	Vegetation Type	NYS Classified Wetland	
					I.D. Code	Legal Status
BT-2	A-9	0.5	Forested	Deciduous		
BT-2	A-14	15.0	Forested	Evergreen	H-2	II
BT-2	A-23	0.8	Open Water	—		
BT-2	A-23	1.1	Scrub/Shrub	Deciduous		
BT-2	B-4	1.6	Emergent Herbaceous	Persistent		
BT-2	B-4	4.6	Scrub/Shrub	Deciduous		
Cortland 11	B-12	4.0	Forested	Evergreen		
Cortland 11	B-15	0.9	Forested	Evergreen		
Cortland 11	C-41	0.1	Open Water	—		
Cortland 11	C-45.1	0.3	Open Water	—		
Cortland 11	C-55	0.1	Emergent Herbaceous	Persistent		
Cortland 11	C-8	2.3	Open Water	—		
Tioga 5	A-11.2	0.4	Forested	Deciduous		
Tioga 5	A-11.2	0.6	Scrub/Shrub	Deciduous		
Tioga 5	A-12	0.8	Scrub/Shrub	Deciduous		
Tioga 5	A-17	0.0	Emergent Herbaceous	Persistent		

Forest	Stand	Acres	Cover Type	Vegetation Type	NYS Classified Wetland	
					I.D. Code	Legal Status
Tioga 5	A-17	5.6	Open Water	—		
Tioga 5	B-8.2	1.6	Scrub/Shrub	Deciduous		
Tioga 5	B-23.2	2.8	Forested	Deciduous		
Tioga 5	B-30.1	0.8	Forested	Evergreen		
Tioga 8	A-3.2	1.0	Emergent Herbaceous	Persistent		
Tioga 8	A-6.1	2.1	Forested	Deciduous		
Tioga 8	A-6.2	6.9	Forested	Deciduous		
Tioga 8	A-6.3	3.3	Emergent Herbaceous	Persistent		
Tioga 8	A-6.3	5.0	Emergent Herbaceous	Persistent		
Tioga 8	A-6.3	4.2	Forested	Deciduous		
Tioga 8	A-6.3	2.5	Forested	Deciduous		
Tioga 8	A-6.3	1.9	Scrub/Shrub	Deciduous		
Tioga 8	A-6.4	0.3	Forested	Evergreen		
Tioga 8	A-6.4	0.4	Forested	Deciduous		
Tioga 8	A-6.4	0.4	Scrub/Shrub	Deciduous		
Tioga 8	A-6.4	1.7	Forested	Deciduous		
Tioga 8	A-6.4	1.0	Scrub/Shrub	Deciduous		
Tioga 8	A-6.4	3.7	Scrub/Shrub	Deciduous		
Tioga 8	A-19	0.4	Forested	Deciduous		
Tioga 8	C-8	0.0	Open Water	—		
Tioga 8	C-15	1.6	Forested	Deciduous		
Tioga 8	C-15	2.1	Scrub/Shrub	Deciduous		
Tioga 8	C-21	0.1	Scrub/Shrub	Deciduous		
Tioga 8	C-25	0.1	Forested	Deciduous		
Tioga 8	C-25	0.6	Open Water	—		
Tioga 8	C-25	1.1	Scrub/Shrub	Deciduous		
<b>TOTAL</b>		<b>84.4</b>				

## APPENDIX IV Classified Streams on the Unit

State Forest	Stream Name	Standard	Length (miles)
Cortland 11	Unnamed Tributary to East Branch of Owego Creek	C	0.51
Cortland 11	Unnamed Tributary to East Branch of Owego Creek	C	0.35
Tioga 8	Unnamed Tributary to East Branch of Owego Creek	C	0.20
Cortland 11	Unnamed Tributary to East Branch of Owego Creek	C	0.66
Cortland 11	East Branch Owego Creek	C(ts)	0.10
Tioga 8	Unnamed Tributary to East Branch of Owego Creek	C	0.11
Tioga 5	Unnamed Tributary to East Branch of Owego Creek	C	0.31

State Forest	Stream Name	Standard	Length (miles)
Tioga 5	Unnamed Tributary to East Branch of Owego Creek	C	0.13
Tioga 8	Unnamed Tributary to East Branch of Owego Creek	C	0.53
Cortland 11	Unnamed Tributary to East Branch of Owego Creek	C	0.13
Tioga 8	Unnamed Tributary to East Branch of Owego Creek	C	0.18
Tioga 8	Unnamed Tributary to East Branch of Owego Creek	C	0.15
Tioga 8	Unnamed Tributary to East Branch of Owego Creek	C	0.08
Tioga 5	Unnamed Tributary to East Branch of Owego Creek	C	0.03
Tioga 5	Unnamed Tributary to East Branch of Owego Creek	C	0.78
Tioga 8	Unnamed Tributary to East Branch of Owego Creek	C	0.06
Tioga 5	Dudley Creek	C(t)	0.35
Tioga 8	Unnamed Tributary to East Branch of Owego Creek	C	0.68
Cortland 11	Unnamed Tributary to East Branch of Owego Creek	C	0.41
Tioga 8	East Branch Owego Creek	C(t)	0.77
Cortland 11	Unnamed Tributary to East Branch of Owego Creek	C	0.31
			6.85

## APPENDIX V Definitions for Protective Status of Wildlife on the Unit

The protective status of species listed in Appendices VI, VII and VIII are based on Federal and State regulations. Following column entries for common and scientific names, a “protective status” category appears. The following definitions are adopted for the terms as used in The Checklist of Amphibians, Reptiles, Birds, and Mammals of New York State, Including their Protective Status.

Code	<u>Federal Definitions</u>
E	<i>Endangered Species</i> are determined by the U. S. Department of the Interior to be in danger of extinction throughout all or a significant portion of their range. All such species are fully protected, including their habitat.
T	<i>Threatened Species</i> are determined by the U. S. Department of the Interior as likely to become endangered within the foreseeable future throughout all or a significant portion of their range. All such species are fully protected.
UN	“ <i>Unprotected</i> ” under Federal Law.
Code	<u>State Definitions</u>
P	<i>Protected</i> wildlife means "wild game, protected wild birds, and endangered species of wildlife" as defined in the Environmental Conservation Law.

E	<i>Endangered Species</i> are determined by the DEC to be in imminent danger of extinction or extirpation in New York State, or are federally listed as endangered. All such species are fully protected under New York State Environmental Conservation Law.
T	<i>Threatened Species</i> are determined by the DEC as likely to become endangered within the foreseeable future in New York State, or are Federally listed as threatened. All such species are fully protected under the New York State Environmental Conservation Law.
SC	<i>Special Concern Species</i> are those native species that are not yet recognized as endangered or threatened, but for which documented evidence exists relating to their continued welfare in New York State. The Special Concern category exists within DEC rules and regulations, but such designation does not in itself provide any additional protection. However, Special Concern species may be protected under other laws.
GS	<i>Game species</i> are defined as “big game”, “small game”, or “game bird” species as stated in the Environmental Conservation Law; many normally have an open season for at least part of the year, and are protected at other times.
UN	<i>Unprotected</i> means that the species may be taken at any time without limit. However, a license to take may be required.

## APPENDIX VI Breeding Species of Birds In The Vicinity of the Unit

Common Name	Scientific Name	Breeding Status	NY Legal Status	SGCN
Alder Flycatcher	<i>Empidonax alnorum</i>	POSSIBLE	Protected	N
American Crow	<i>Corvus brachyrhynchos</i>	CONFIRMED	Game Species	N
American Goldfinch	<i>Spinus tristis</i>	CONFIRMED	Protected	N
American Kestrel	<i>Falco sparverius</i>	CONFIRMED	Protected	N
American Redstart	<i>Setophaga ruticilla</i>	CONFIRMED	Protected	N
American Robin	<i>Turdus migratorius</i>	CONFIRMED	Protected	N
American Woodcock	<i>Scolopax minor</i>	PROBABLE	Game Species	Y
Baltimore Oriole	<i>Icterus galbula</i>	CONFIRMED	Protected	N
Barn Swallow	<i>Hirundo rustica</i>	CONFIRMED	Protected	N
Barred Owl	<i>Strix varia</i>	PROBABLE	Protected	N
Belted Kingfisher	<i>Megaceryle alcyon</i>	PROBABLE	Protected	N
Black-and-white Warbler	<i>Mniotilta varia</i>	POSSIBLE	Protected	N
Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>	PROBABLE	Protected	N
Blackburnian Warbler	<i>Dendroica fusca</i>	CONFIRMED	Protected	N
Black-capped	<i>Poecile atricapillus</i>	CONFIRMED	Protected	N

Common Name	Scientific Name	Breeding Status	NY Legal Status	SGCN
Chickadee				
Black-throated Blue Warbler	<i>Dendroica caerulescens</i>	CONFIRMED	Protected	Y
Black-throated Green Warbler	<i>Dendroica virens</i>	CONFIRMED	Protected	N
Blue Jay	<i>Cyanocitta cristata</i>	CONFIRMED	Protected	N
Blue-headed Vireo	<i>Vireo solitarius</i>	PROBABLE	Protected	N
Blue-winged Warbler	<i>Vermivora pinus</i>	POSSIBLE	Protected	Y
Bobolink	<i>Dolichonyx oryzivorus</i>	CONFIRMED	Protected	Y
Broad-winged Hawk	<i>Buteo platypterus</i>	CONFIRMED	Protected	N
Brown Creeper	<i>Certhia americana</i>	POSSIBLE	Protected	N
Brown Thrasher	<i>Toxostoma rufum</i>	CONFIRMED	Protected	N
Brown-headed Cowbird	<i>Molothrus ater</i>	PROBABLE	Protected	N
Canada Goose	<i>Branta canadensis</i>	CONFIRMED	Game Species	N
Canada Warbler	<i>Wilsonia canadensis</i>	PROBABLE	Protected	Y
Cedar Waxwing	<i>Bombycilla cedrorum</i>	CONFIRMED	Protected	N
Chestnut-sided Warbler	<i>Dendroica pensylvanica</i>	CONFIRMED	Protected	N
Chimney Swift	<i>Chaetura pelagica</i>	PROBABLE	Protected	N
Chipping Sparrow	<i>Spizella passerina</i>	CONFIRMED	Protected	N
Clay-colored Sparrow	<i>Spizella pallida</i>	POSSIBLE	Protected	N
Common Grackle	<i>Quiscalus quiscula</i>	CONFIRMED	Protected	N
Common Raven	<i>Corvus corax</i>	POSSIBLE	Protected	N
Common Yellowthroat	<i>Geothlypis trichas</i>	CONFIRMED	Protected	N
Cooper's Hawk	<i>Accipiter cooperii</i>	PROBABLE	Protected-Special Concern	Y
Dark-eyed Junco	<i>Junco hyemalis</i>	CONFIRMED	Protected	N
Downy Woodpecker	<i>Picoides pubescens</i>	CONFIRMED	Protected	N
Eastern Bluebird	<i>Sialia sialis</i>	CONFIRMED	Protected	N
Eastern Kingbird	<i>Tyrannus tyrannus</i>	CONFIRMED	Protected	N
Eastern Meadowlark	<i>Sturnella magna</i>	CONFIRMED	Protected	Y
Eastern Phoebe	<i>Sayornis phoebe</i>	CONFIRMED	Protected	N
Eastern Towhee	<i>Pipilo erythrophthalmus</i>	CONFIRMED	Protected	N
Eastern Wood-Pewee	<i>Contopus virens</i>	PROBABLE	Protected	N
European Starling	<i>Sturnus vulgaris</i>	CONFIRMED	Unprotected	N
Field Sparrow	<i>Spizella pusilla</i>	CONFIRMED	Protected	N
Golden-crowned Kinglet	<i>Regulus satrapa</i>	POSSIBLE	Protected	N
Grasshopper Sparrow	<i>Ammodramus savannarum</i>	POSSIBLE	Protected-Special Concern	Y

Common Name	Scientific Name	Breeding Status	NY Legal Status	SGCN
Gray Catbird	<i>Dumetella carolinensis</i>	CONFIRMED	Protected	N
Great Blue Heron	<i>Ardea herodias</i>	PROBABLE	Protected	N
Great Crested Flycatcher	<i>Myiarchus crinitus</i>	PROBABLE	Protected	N
Great Horned Owl	<i>Bubo virginianus</i>	POSSIBLE	Protected	N
Green Heron	<i>Butorides virescens</i>	POSSIBLE	Protected	N
Hairy Woodpecker	<i>Picoides villosus</i>	CONFIRMED	Protected	N
Hermit Thrush	<i>Catharus guttatus</i>	CONFIRMED	Protected	N
House Finch	<i>Carpodacus mexicanus</i>	PROBABLE	Protected	N
House Sparrow	<i>Passer domesticus</i>	CONFIRMED	Unprotected	N
House Wren	<i>Troglodytes aedon</i>	CONFIRMED	Protected	N
Indigo Bunting	<i>Passerina cyanea</i>	CONFIRMED	Protected	N
Killdeer	<i>Charadrius vociferus</i>	CONFIRMED	Protected	N
Least Flycatcher	<i>Empidonax minimus</i>	CONFIRMED	Protected	N
Louisiana Waterthrush	<i>Seiurus motacilla</i>	POSSIBLE	Protected	Y
Magnolia Warbler	<i>Dendroica magnolia</i>	POSSIBLE	Protected	N
Mallard	<i>Anas platyrhynchos</i>	CONFIRMED	Game Species	N
Mourning Dove	<i>Zenaida macroura</i>	CONFIRMED	Protected	N
Mourning Warbler	<i>Oporornis philadelphia</i>	POSSIBLE	Protected	N
Nashville Warbler	<i>Vermivora ruficapilla</i>	CONFIRMED	Protected	N
Northern Cardinal	<i>Cardinalis cardinalis</i>	CONFIRMED	Protected	N
Northern Flicker	<i>Colaptes auratus</i>	CONFIRMED	Protected	N
Northern Harrier	<i>Circus cyaneus</i>	POSSIBLE	Threatened	Y
Northern Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>	POSSIBLE	Protected	N
Northern Waterthrush	<i>Seiurus noveboracensis</i>	PROBABLE	Protected	N
Ovenbird	<i>Seiurus aurocapilla</i>	CONFIRMED	Protected	N
Pileated Woodpecker	<i>Dryocopus pileatus</i>	POSSIBLE	Protected	N
Prairie Warbler	<i>Dendroica discolor</i>	CONFIRMED	Protected	N
Purple Finch	<i>Carpodacus purpureus</i>	CONFIRMED	Protected	N
Red-bellied Woodpecker	<i>Melanerpes carolinus</i>	POSSIBLE	Protected	Y
Red-breasted Nuthatch	<i>Sitta canadensis</i>	CONFIRMED	Protected	N
Red-eyed Vireo	<i>Vireo olivaceus</i>	CONFIRMED	Protected	N
Red-shouldered Hawk	<i>Buteo lineatus</i>	CONFIRMED	Protected-Special Concern	Y
Red-tailed Hawk	<i>Buteo jamaicensis</i>	PROBABLE	Protected	N
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	CONFIRMED	Protected	N

Common Name	Scientific Name	Breeding Status	NY Legal Status	SGCN
Rock Pigeon	<i>Columba livia</i>	CONFIRMED	Unprotected	N
Rose-breasted Grosbeak	<i>Pheucticus ludovicianus</i>	CONFIRMED	Protected	N
Ruby-throated Hummingbird	<i>Archilochus colubris</i>	CONFIRMED	Protected	N
Ruffed Grouse	<i>Bonasa umbellus</i>	CONFIRMED	Game Species	Y
Savannah Sparrow	<i>Passerculus sandwichensis</i>	CONFIRMED	Protected	N
Scarlet Tanager	<i>Piranga olivacea</i>	CONFIRMED	Protected	Y
Sharp-shinned Hawk	<i>Accipiter striatus</i>	CONFIRMED	Protected-Special Concern	Y
Song Sparrow	<i>Melospiza melodia</i>	CONFIRMED	Protected	N
Swamp Sparrow	<i>Melospiza georgiana</i>	PROBABLE	Protected	N
Tree Swallow	<i>Tachycineta bicolor</i>	CONFIRMED	Protected	N
Tufted Titmouse	<i>Baeolophus bicolor</i>	CONFIRMED	Protected	N
Turkey Vulture	<i>Cathartes aura</i>	PROBABLE	Protected	N
Veery	<i>Catharus fuscescens</i>	CONFIRMED	Protected	N
Warbling Vireo	<i>Vireo gilvus</i>	CONFIRMED	Protected	N
White-breasted Nuthatch	<i>Sitta carolinensis</i>	CONFIRMED	Protected	N
Wild Turkey	<i>Meleagris gallopavo</i>	CONFIRMED	Game Species	N
Willow Flycatcher	<i>Empidonax traillii</i>	PROBABLE	Protected	N
Winter Wren	<i>Troglodytes troglodytes</i>	POSSIBLE	Protected	N
Wood Duck	<i>Aix sponsa</i>	PROBABLE	Game Species	N
Wood Thrush	<i>Hylocichla mustelina</i>	PROBABLE	Protected	Y
Yellow Warbler	<i>Dendroica petechia</i>	CONFIRMED	Protected	N
Yellow-bellied Sapsucker	<i>Sphyrapicus varius</i>	CONFIRMED	Protected	N
Yellow-billed Cuckoo	<i>Coccyzus americanus</i>	CONFIRMED	Protected	N
Yellow-rumped Warbler	<i>Dendroica coronata</i>	CONFIRMED	Protected	N
Yellow-throated Vireo	<i>Vireo flavifrons</i>	POSSIBLE	Protected	N

<sup>1</sup> SGCN – Species of Greatest Conservation Need (See Glossary).

## APPENDIX VII Reptiles and Amphibians of the Unit and Vicinity

Common Name	Scientific Name	Federal	State	SGCN
Allegheny Dusky Salamander	<i>Desmognathus ochrophaeus</i>	UN	UN	N
American Toad	<i>Bufo americanus</i>	UN	UN	N
Bullfrog	<i>Rana catesbeiana</i>	UN	GS	N
Common Garter Snake	<i>Thamnophis sirtalis</i>	UN	UN	N
Common Snapping Turtle	<i>Chelydra serpentina</i>	UN	UN	Y
Gray Treefrog	<i>Hyla versicolor</i>	UN	UN	N

Common Name	Scientific Name	Federal	State	SGCN
Green Frog	<i>Rana clamitans</i>	UN	GS	N
Milk Snake	<i>Lampropeltis triangulum</i>	UN	UN	N
Northern Dusky Salamander	<i>Desmognathus fuscus</i>	UN	UN	N
Northern Leopard Frog	<i>Rana pipiens</i>	UN	GS	N
Northern Redback Salamander	<i>Plethodon cinereus</i>	UN	UN	N
Northern Slimy Salamander	<i>Plethodon glutinosus</i>	UN	UN	N
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	UN	UN	N
Northern Water Snake	<i>Nerodia sipedon</i>	UN	UN	N
Painted Turtle	<i>Chrysemys picta</i>	UN	UN	N
Pickerel Frog	<i>Rana palustris</i>	UN	GS	N
Redbelly Snake	<i>Storeria occipitomaculata</i>	UN	UN	N
Red-spotted Newt	<i>Notophthalmus viridescens</i>	UN	UN	N
Ringneck Snake	<i>Diadophis punctatus</i>	UN	UN	N
Spotted Salamander	<i>Ambystoma maculatum</i>	UN	UN	N
Spring Peeper	<i>Pseudacris crucifer</i>	UN	UN	N
Spring Salamander	<i>Gyrinophilus porphyriticus</i>	UN	UN	N
Wood Frog	<i>Rana sylvatica</i>	UN	GS	N
Wood Turtle	<i>Glyptemys insculpta</i>	UN	SC	Y

<sup>1</sup> SGCN – Species of Greatest Conservation Need (See Glossary).

## APPENDIX VIII Mammals of the Unit and Vicinity

Common Name	Scientific Name	Status	Protective Status		SGCN
			Federal	State	
American Beaver	<i>Castor canadensis</i>	Confirmed	UN	GS	N
Big Brown Bat	<i>Eptesicus fuscus</i>	Confirmed	UN	UN	N
Black Bear	<i>Ursus americanus</i>	Predicted	UN	GS	N
Bobcat	<i>Lynx rufus</i>	Predicted	UN	GS	N
Common Muskrat	<i>Ondatra zibethicus</i>	Confirmed	UN	GS	N
Common Raccoon	<i>Procyon lotor</i>	Confirmed	UN	GS	N
Coyote	<i>Canis latrans</i>	Confirmed	UN	GS	N
Deer Mouse b	<i>Peromyscus maniculatus</i>	Confirmed	UN	UN	N
E. small-footed Myotis	<i>Myotis leibii</i>	Predicted	UN	SC	Y
Eastern Chipmunk	<i>Tamias striatus</i>	Confirmed	UN	UN	N
Eastern Cottontail	<i>Sylvilagus floridanus</i>	Confirmed	UN	GS	N
Eastern Gray Squirrel	<i>Sciurus carolinensis</i>	Confirmed	UN	GS	N
Eastern Pipistrelle	<i>Pipistrellus subflavus</i>	Predicted	UN	UN	N
Eastern Red Bat	<i>Lasiurus borealis</i>	Predicted	UN	UN	N
Fisher	<i>Martes pennanti</i>	Confirmed	UN	GS	N
Fox Squirrel	<i>Sciurus niger</i>	Predicted	UN	GS	N

Common Name	Scientific Name	Status	Protective Status		SGCN
			Federal	State	
Gray Fox	<i>Urocyon cinereoargenteus</i>	Confirmed	UN	GS	N
Hairy-tailed Mole	<i>Parascalops breweri</i>	Predicted	UN	UN	N
Hoary Bat	<i>Lasiurus cinereus</i>	Confirmed	UN	UN	Y
House Mouse	<i>Mus musculus</i>	Predicted	UN	UN	N
Indiana Myotis	<i>Myotis sodalis</i>	Predicted	E	E	Y
Least Shrew	<i>Cryptotis parva</i>	Predicted	UN	UN	N
Little Brown Myotis	<i>Myotis lucifugus</i>	Confirmed	UN	UN	N
Long-tailed Weasel	<i>Mustela frenata</i>	Predicted	UN	GS	N
Masked Shrew	<i>Sorex cinereus</i>	Predicted	UN	UN	N
Meadow Jumping Mouse	<i>Zapus hudsonius</i>	Predicted	UN	UN	N
Meadow Vole	<i>Microtus pennsylvanicus</i>	Confirmed	UN	UN	N
Mink	<i>Mustela vison</i>	Confirmed	UN	GS	N
N. Short-tailed Shrew	<i>Blarina brevicauda</i>	Predicted	UN	UN	N
Northern Flying Squirrel	<i>Glaucomys sabrinus</i>	Confirmed	UN	UN	N
Northern Myotis (Keen'S Myotis)	<i>Myotis septentrionalis</i>	Confirmed	UN	UN	N
Norway Rat	<i>Rattus norvegicus</i>	Predicted	UN	UN	N
Porcupine	<i>Erethizon dorsatum</i>	Predicted	UN	UN	N
Pygmy Shrew	<i>Sorex hoyi</i>	Predicted	UN	UN	N
Red Fox	<i>Vulpes vulpes</i>	Confirmed	UN	GS	N
Red Squirrel	<i>Tamiasciurus hudsonicus</i>	Confirmed	UN	UN	N
River Otter	<i>Lutra canadensis</i>	Confirmed	UN	GS	Y
Short-tailed Weasel (Ermine)	<i>Mustela erminea</i>	Predicted	UN	UN	N
Silver-haired Bat	<i>Lasionycteris noctivagans</i>	Predicted	UN	UN	Y
Smoky Shrew	<i>Sorex fumeus</i>	Predicted	UN	UN	N
Snowshoe Hare	<i>Lepus americanus</i>	Predicted	UN	GS	N
Southern Bog Lemming	<i>Synaptomys cooperi</i>	Predicted	UN	UN	N
Southern Flying Squirrel	<i>Glaucomys volans</i>	Predicted	UN	UN	N
Southern Red-backed Vole	<i>Clethrionomys gapperi</i>	Predicted	UN	UN	N
Star-nosed Mole	<i>Condylura cristata</i>	Predicted	UN	UN	N
Striped Skunk	<i>Mephitis mephitis</i>	Confirmed	UN	GS	N
Virginia Opossum	<i>Didelphis virginiana</i>	Confirmed	UN	GS	N
White-footed Mouse	<i>Peromyscus leucopus</i>	Confirmed	UN	UN	N
White-tailed Deer	<i>Odocoileus virginianus</i>	Confirmed	UN	GS	N
Woodchuck	<i>Marmota monax</i>	Confirmed	UN	UN	N
Woodland Jumping Mouse	<i>Napaeozapus insignis</i>	Predicted	UN	UN	N
Woodland Vole	<i>Microtus pinetorum</i>	Predicted	UN	UN	N

<sup>1</sup> SGCN – Species of Greatest Conservation Need (See Glossary).

Source: Adapted from The New York Gap Program, U.S. EPA EMAP Hexagons 417 and 450.

## APPENDIX IX

### Deer Harvest Records for Towns within the Unit

Deer Kill By Town										
Towns	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Harford	219	178	121	131	130	123	192	161	131	139
LaPeer	375	203	137	115	124	139	143	145	122	128
Lisle	500	346	267	216	288	303	270	317	341	305
Richford	350	290	206	259	270	289	233	223	196	208

Source: 2009 New York State 20 Year Deer Book & <http://www.dec.ny.gov/outdoor/42232.html>

Deer Killed Per Square Mile										
Towns	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Harford	8.98	7.30	4.96	5.37	5.33	5.04	7.87	6.60	5.37	5.70
LaPeer	14.94	8.09	5.46	4.58	4.94	5.54	5.70	5.78	4.86	5.10
Lisle	10.68	7.39	5.71	4.62	6.15	6.47	5.77	6.77	7.29	6.52
Richford	9.07	7.51	5.34	6.71	6.99	7.49	6.04	5.78	5.08	5.39

Source: 2009 New York State 20 Year Deer Book & <http://www.dec.ny.gov/outdoor/42232.html>

## APPENDIX X

### Reported Turkey Harvest 2003-2012 for Towns within the Unit

#### Fall Season

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Harford	0	5	1	6	9	1	5	2	1	1
LaPeer	3	8	2	1	6	5	1	3	3	3
Lisle	3	4	6	4	4	2	5	8	3	1
Richford	1	3	6	8	5	3	5	3	1	2

#### Spring Season

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Harford	5	5	8	3	9	9	6	8	5	12
LaPeer	8	8	7	10	15	12	14	5	9	7
Lisle	10	7	10	12	13	12	11	6	6	16
Richford	1	3	5	9	3	6	8	9	7	5

## APPENDIX XI Pelt Sealed Beaver 2004-2010 for Towns within the Unit

	2004	2005	2006	2007	2008	2009	2010
Harford	8	0	14	2	14	8	7
LaPeer	18	0	8	6	21	11	6
Lisle	23	20	20	12	0	0	11
Richford	44	18	18	35	14	3	8

## APPENDIX XII Roads on the Unit

Forest	Road Name	Length (miles)
<b>Public Forest Access Roads (PFARs) on the Unit</b>		
Broome-Tioga 2 (Beaver Dam SF)	Sears PFAR	1.4
Cortland 11 (Griggs Gulf SF)	Grigg's Gulf PFAR	1.5
Tioga 5 (Turkey Hill SF)	Turkey Hill PFAR	1.3
Tioga 8 (Michigan Hill SF)	Unnamed Access Road	0.2
Total Miles of PFAR		4.4
<b>Haul Roads (HR) on the Unit</b>		
Broome-Tioga 2 (Beaver Dam SF)	Town Road HR	0.6
Broome-Tioga 2 (Beaver Dam SF)	Clute Hill HR	0.4
Cortland 11 (Griggs Gulf SF)	Grigg's Gulf HR	0.5
Tioga 5 (Turkey Hill SF)	Tubbs Hill HR	0.1
Total Miles of Haul Roads		1.6
<b>Seasonal Town Roads on the Unit</b>		
Cortland 11 (Griggs Gulf SF)	Faulkenham Rd	0.6
Tioga 5 (Turkey Hill SF)	Turkey Hill Rd	0.5
Total Seasonal Town Roads		1.1
<b>Plowed Town Roads on the Unit</b>		
Broome-Tioga 2 (Beaver Dam SF)	Sears Rd	0.9
Cortland 11 (Griggs Gulf SF)	Grigg's Gulf Rd	0.6
Cortland 11 (Griggs Gulf SF)	Chwalek Rd	0.2
Cortland 11 (Griggs Gulf SF)	Rockefeller Rd	0.7
Cortland 11 (Griggs Gulf SF)	Sears Rd	0.1
Tioga 5 (Turkey Hill SF)	Payne Marsh Rd	0.1
Tioga 5 (Turkey Hill SF)	Tubbs Hill Rd	1.2
Tioga 5 (Turkey Hill SF)	Michigan Hill Rd	0.4
Tioga 5 (Turkey Hill SF)	Turkey Hill Rd	0.3
Tioga 8 (Michigan Hill SF)	Michigan Hill Rd	1.1

Forest	Road Name	Length (miles)
Tioga 8 (Michigan Hill SF)	Rockefeller Rd	0.4
Total Miles of Plowed Town Roads (2013)		6.0
State Roads on the Unit Maintained by DOT		
Tioga 5 (Turkey Hill SF)	NYS Rte 79	0.2
Tioga 8 (Michigan Hill SF)	NYS Rte 38	0.6
Total Miles of State Roads Maintained by DOT		0.8
Total Miles of All Roads on the Unit		13.9

### APPENDIX XIII Facilities on the Unit That Require Maintenance

State Forest	Type of Facility	Status	Size	Quantity
Snowmobile Trails			Miles	Quantity
Broome-Tioga 2	Snowmobile Trail	Existing	1.9	1
Cortland 11	Snowmobile Trail	Existing	2.7	1
Tioga 5	Snowmobile Trail	Existing	2.0	2
Tioga 8	Snowmobile Trail	Existing	0.5	1
Total			7.1	
ATV Access route for Disabled Persons with DEC Permit			Miles	Quantity
Broome-Tioga 2	ATV Route (CP-3)	Existing	0.6	1
Recreational Bridges/Culverts				Quantity
Broome-Tioga 2	Snowmobile Bridge	Existing		1
Broome-Tioga 2	ATV Route (CP-3) - Culvert	Existing		1
Cortland 11	Snowmobile Bridge	Existing		2
Tioga 5	Snowmobile Trail –Culvert	Existing	18 inch	3
Tioga 8	Pheasant Release Area-Ford	Existing		
Total				7
Parking Areas				
Broome-Tioga 2	Parking Area – ATV Route (CP-3)	Existing	15 cars	1
Tioga 8	Parking Area – Fishing Access Site	Existing	15 cars	1
Tioga 8	Parking Area – Pheasant Release Area	Proposed	15 cars	1
Total				3
Roads			Miles	Quantity
Broome-Tioga 2	Roads (PFARS/Haul Roads)	Existing	2.4	3
Cortland 11	Roads (PFARS/Haul Roads)	Existing	2.0	2
Tioga 5	Roads (PFARS/Haul Roads)	Existing	1.4	2

State Forest	Type of Facility	Status	Size	Quantity
Tioga 8	Roads (PFARS/Haul Roads)	Existing	0.2	1
Total			6.0	8
Shale Pits			Acres	Quantity
Broome-Tioga 2	Shale Pit	Existing	1.5 acres	1
Tioga 5	Shale Pit	Existing	0.1 acres	1
Total			1.6 acres	2
Signs				Quantity
Broome-Tioga 2	Forest Identification Sign	Existing		1
Cortland 11	Forest Identification Sign	Proposed		1
Tioga 5	Forest Identification Sign	Existing		1
Tioga 8	Forest Identification Sign	Existing		1
Tioga 8	John D. Rockefeller Birthplace Sign	Existing		1
Tioga 8	Misc. Signs – Pheasant Release Area	Existing		1
	- Fishing Access Site	Existing		1
Total				7
Kiosks				
Tioga 8	Informational Kiosk	Proposed	2 Panel	1
Total				1
Historic Sites				
Cortland 11	Stone Cistern	Existing		2
Tioga 5	Stone Cistern	Existing		1
Tioga 8	John D. Rockefeller Birthplace	Existing		1
Total				4
Boundary Lines (desired acquisitions are not listed)			Miles	
Broome-Tioga 2	Boundary Line	Existing	7.73	
Cortland 11	Boundary Line	Existing	15.58	
Tioga 5	Boundary Line	Existing	15.46	
Tioga 8	Boundary Line	Existing	9.84	
Total			48.61	
Barriers			Size	Quantity
Broome-Tioga 2	Metal Gate	Existing	14'	1
Cortland 11	Metal Gate	Existing	14'	3
Cortland 11	Metal Gate	Proposed	14'	1
Cortland 11	Metal Gate/Boulders	Proposed	14'/ 8 rocks	2
Tioga 5	Boulders	Proposed	8 rocks	1
Tioga 5	Metal Gate	Proposed	14'	2
Tioga 8	Metal Gate	Proposed	14'	1
Total				11

State Forest	Type of Facility	Status	Size	Quantity
Mowing Needs (excluding roads)			Acres	
Tioga 8	Pheasant Release Area	Existing	46.5	
Total			46.5	

## APPENDIX XIV Generic Environmental Impact Statement for State Forest Management

This Unit Management Plan (UMP) does not propose pesticide applications of more than 40-acres, any clearcuts of 40-acres or larger, or prescribed burns in excess of 100-acres. Therefore the actions in the plan **do not exceed the thresholds** set forth in the Strategic Plan/Generic Environmental Impact Statement for State Forest Management.

This Unit Management Plan also does not include any of the following:

- Forest management activities occurring on acreage occupied by protected species ranked S1, S2, G1, G2 or G3
- Pesticide applications adjacent to plants ranked S1, S2, G1, G2 or G3
- Aerial pesticide spraying by airplane or helicopter
- Any development of facilities with potable water supplies, septic system supported restrooms, camping areas with more than 10 sites or development in excess of other limits established in this plan.
- Well drilling plans
- Well pad densities of greater than one well pad in 320-acres or which does not comply with the limitations identified through a tract assessment
- Carbon injection and storage or waste water disposal

Therefore the actions proposed in this UMP do not require any separate site specific environmental review.

Any action taken by the Department on this unit that is not addressed in this Unit Management Plan and is not addressed in the Strategic Plan/Generic Environmental Impact Statement may need a separate site specific environmental review.

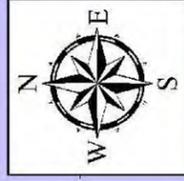
## APPENDIX XV Index for the Maps of the Unit

Watershed and Landscape Assessment.....	126
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Stand Identification and Treatment Blocks.....	131
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**ROCKEFELLER UNIT MANAGEMENT AREA  
WATERSHED & LANDSCAPE ASSESSMENT MAP**

Broome-Tioga Reforestation Area # 2  
Cortland Reforestation Area # 11  
Tioga Reforestation Areas # 5 & 8  
5,801 Acres

FREETOWN



MARATHON

MARATHON

LAPEER

Headwaters East Branch Owego Creek

LAPEER

Upper East Branch Owego Creek

RICHFORD

Culver Creek-Dudley Creek

LISLE

LISLE

LISLE

Middle East Branch Owego Creek

BERKSHIRE

WILSON CREEK

WILSON CREEK

CANDOR

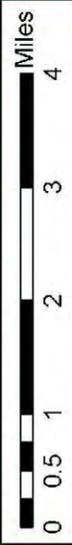
DRYDEN

CAROLINE

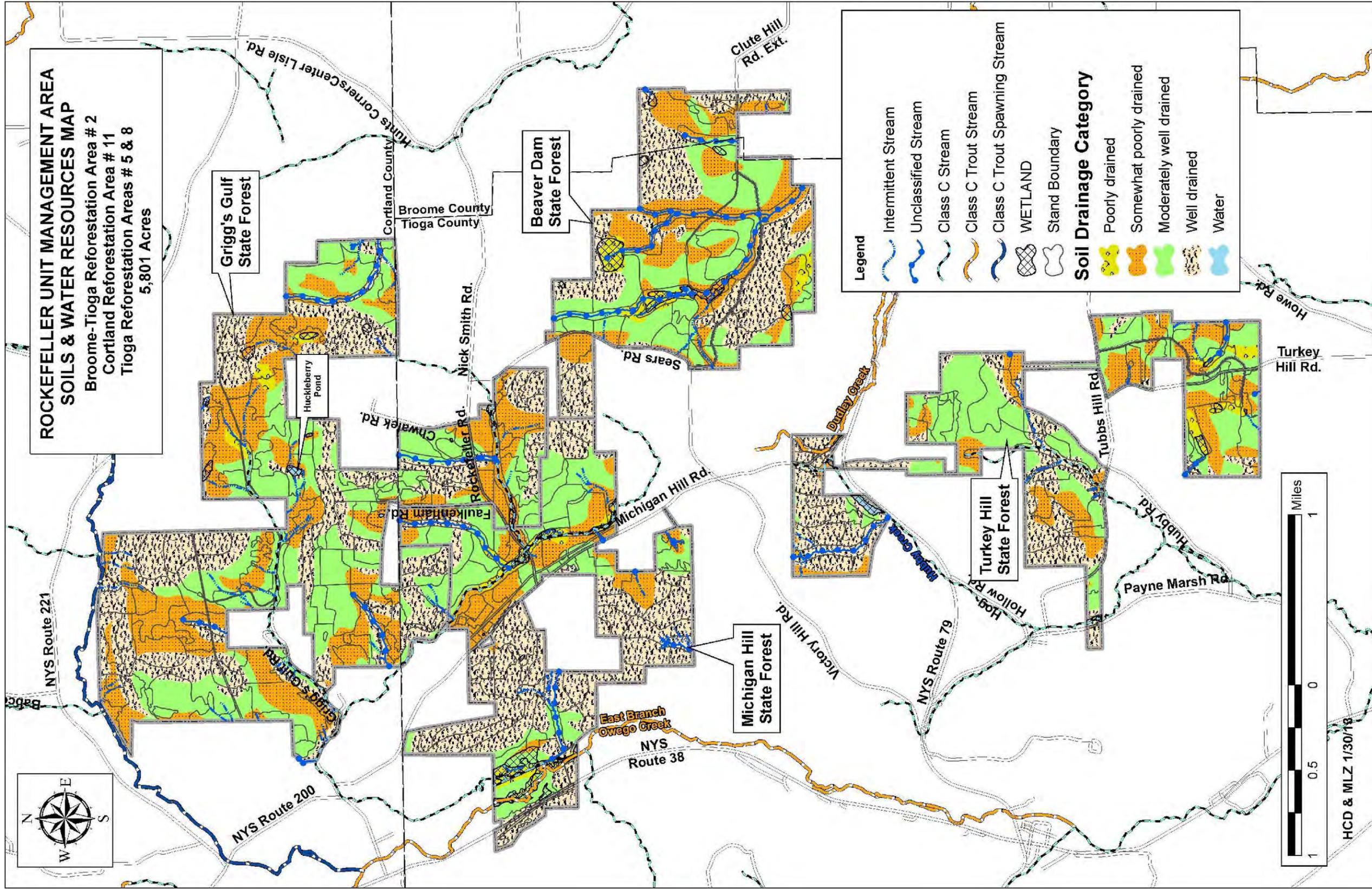
CAROLINE

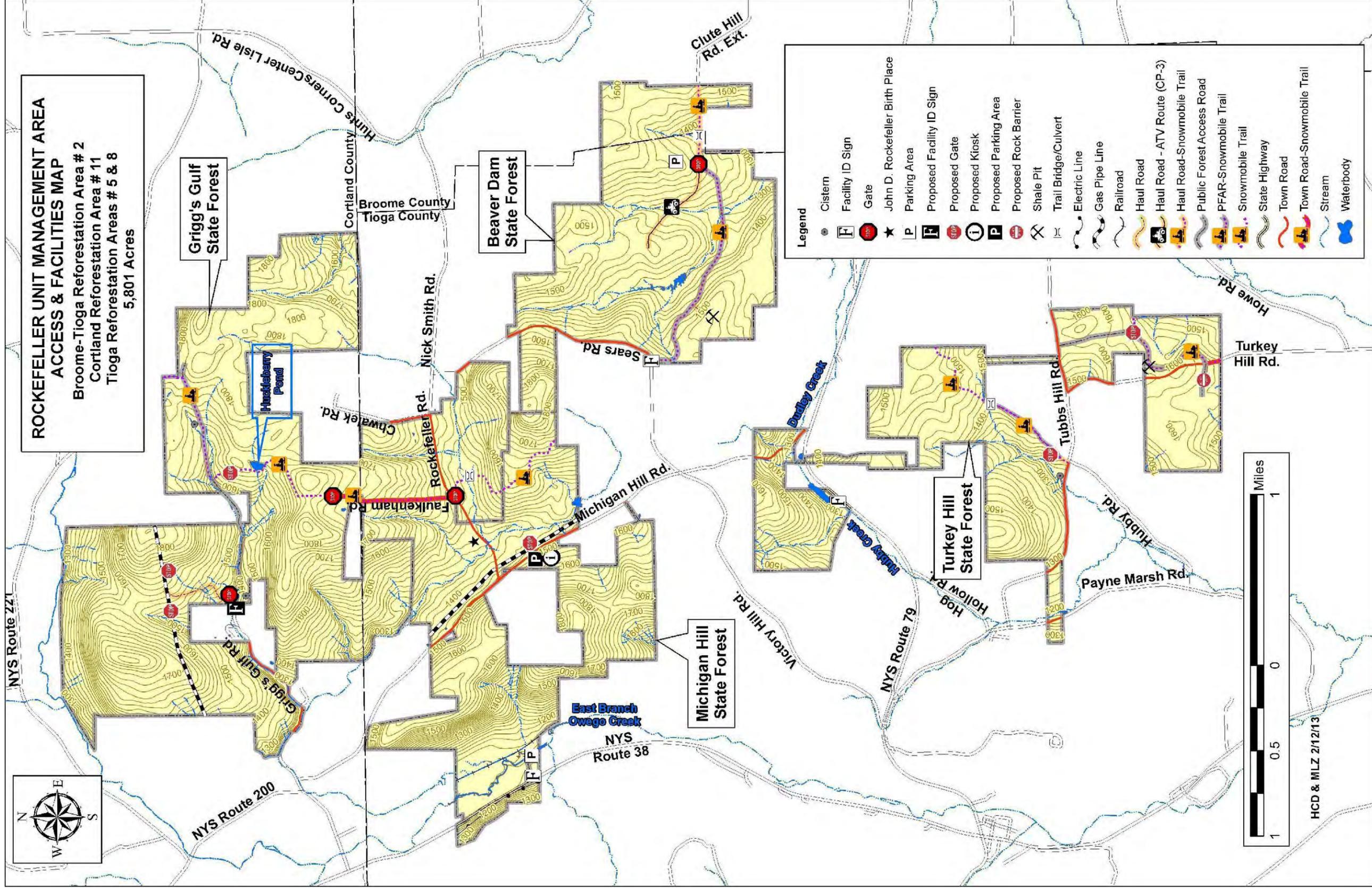
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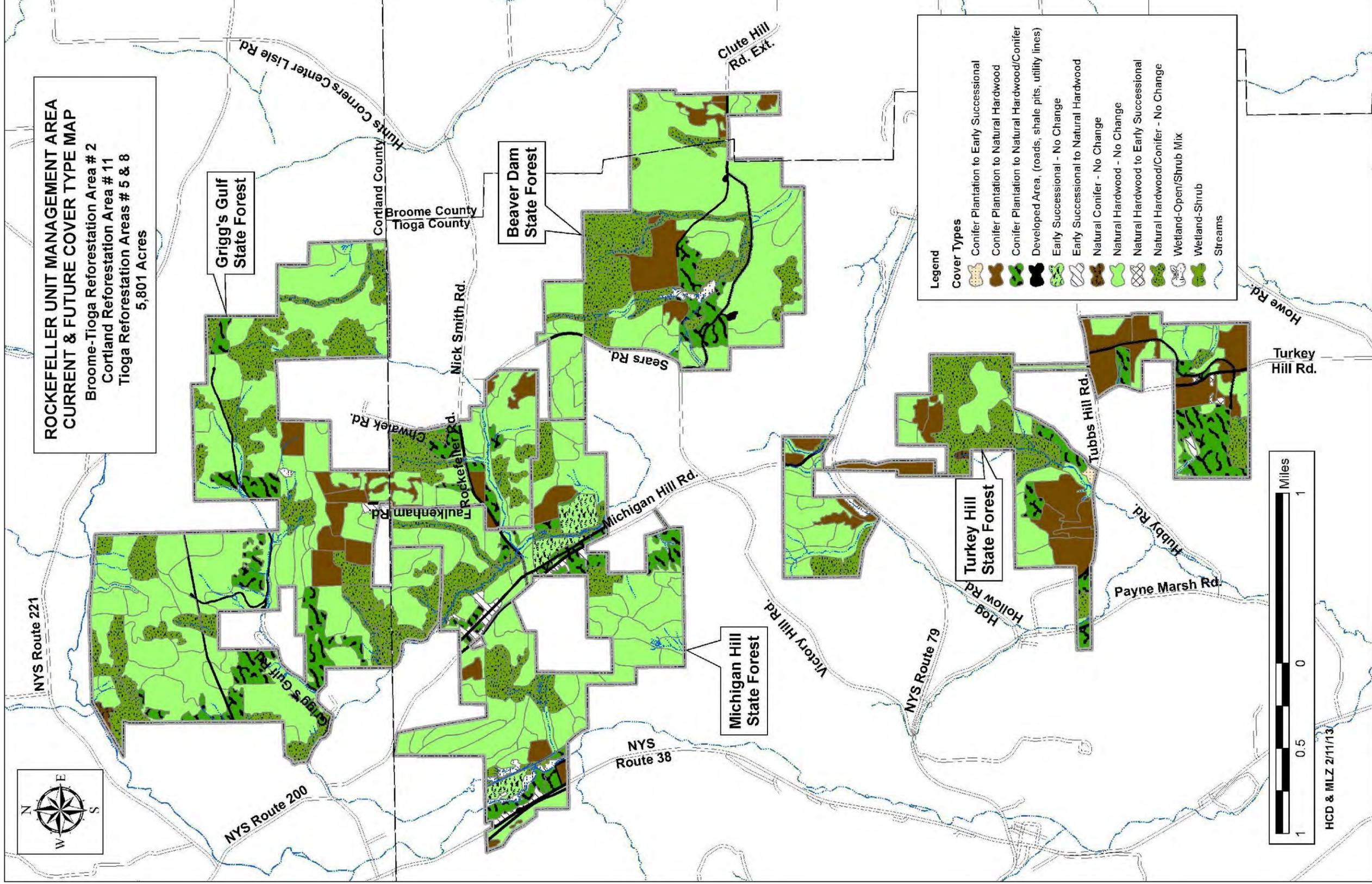
- State Forests within the Unit
- Watershed Boundaries
- Cover**
- Barren Land (Rock, Sand or Clay)
- Cultivated Crops
- Deciduous Forest
- Developed Land
- Emergent Herbaceous Wetlands
- Evergreen Forest
- Grassland/Herbaceous
- Mixed Forest
- Open Water
- Pasture/Hay
- Shrub/Scrub
- Woody Wetlands

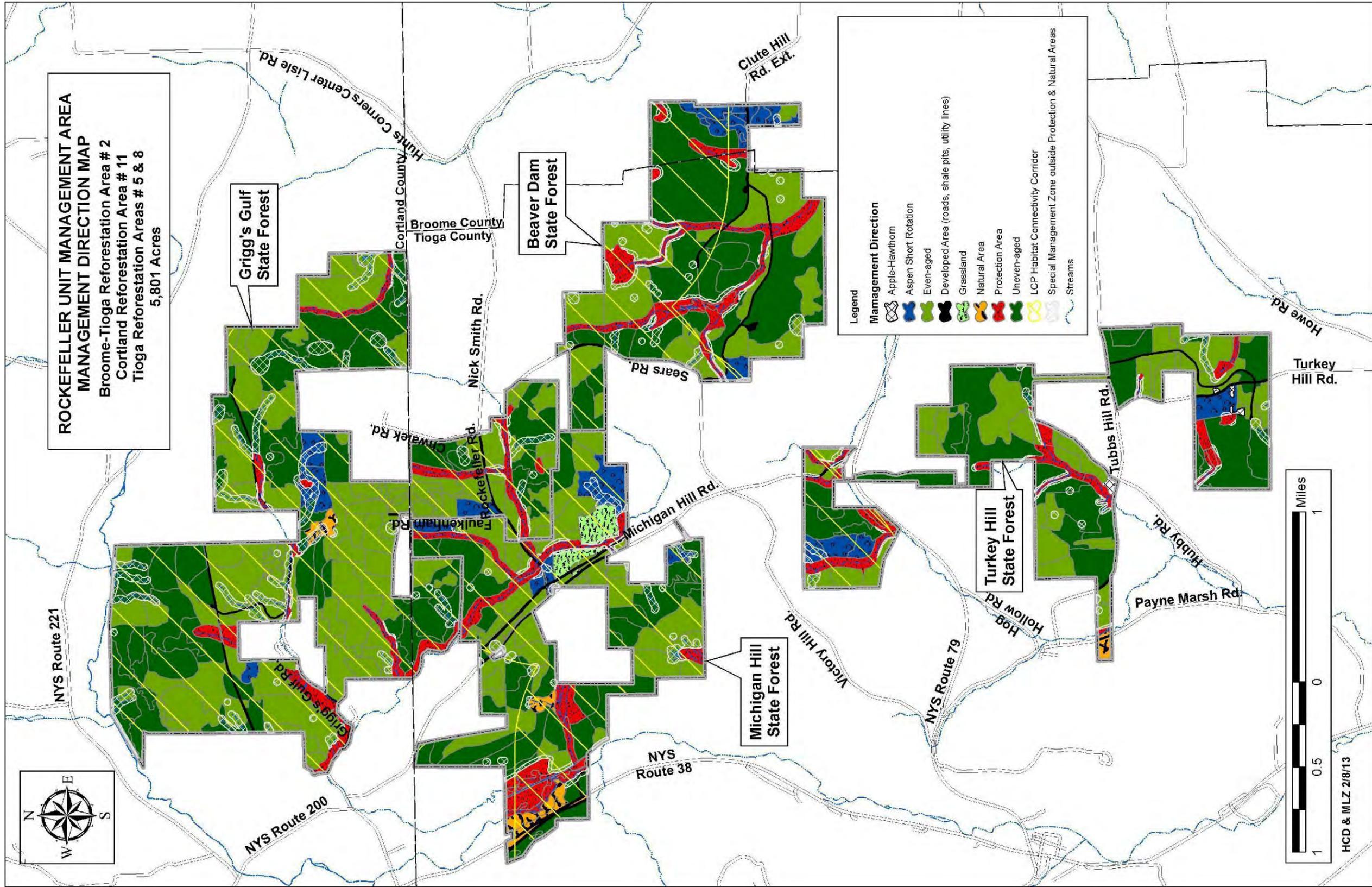


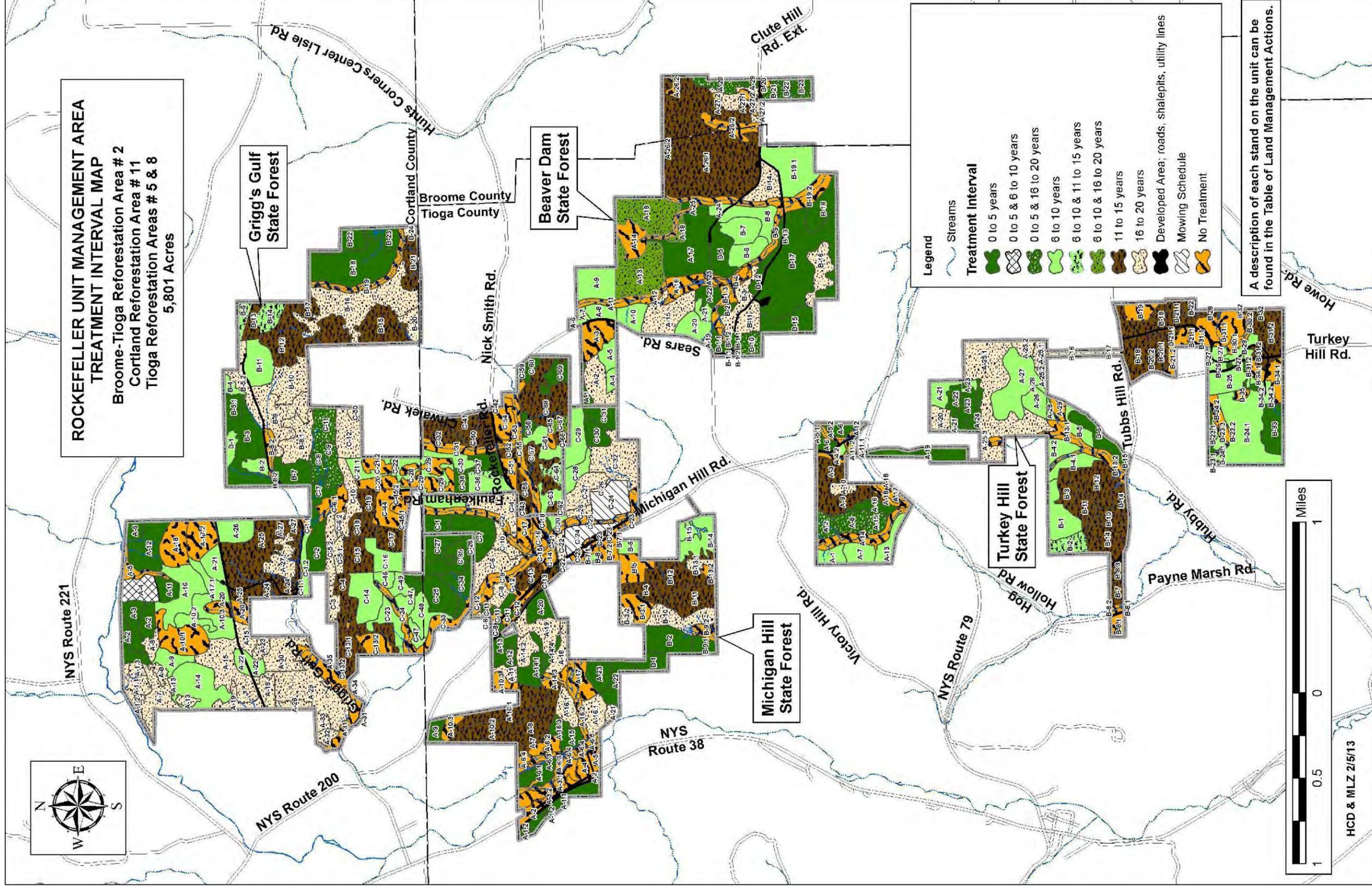
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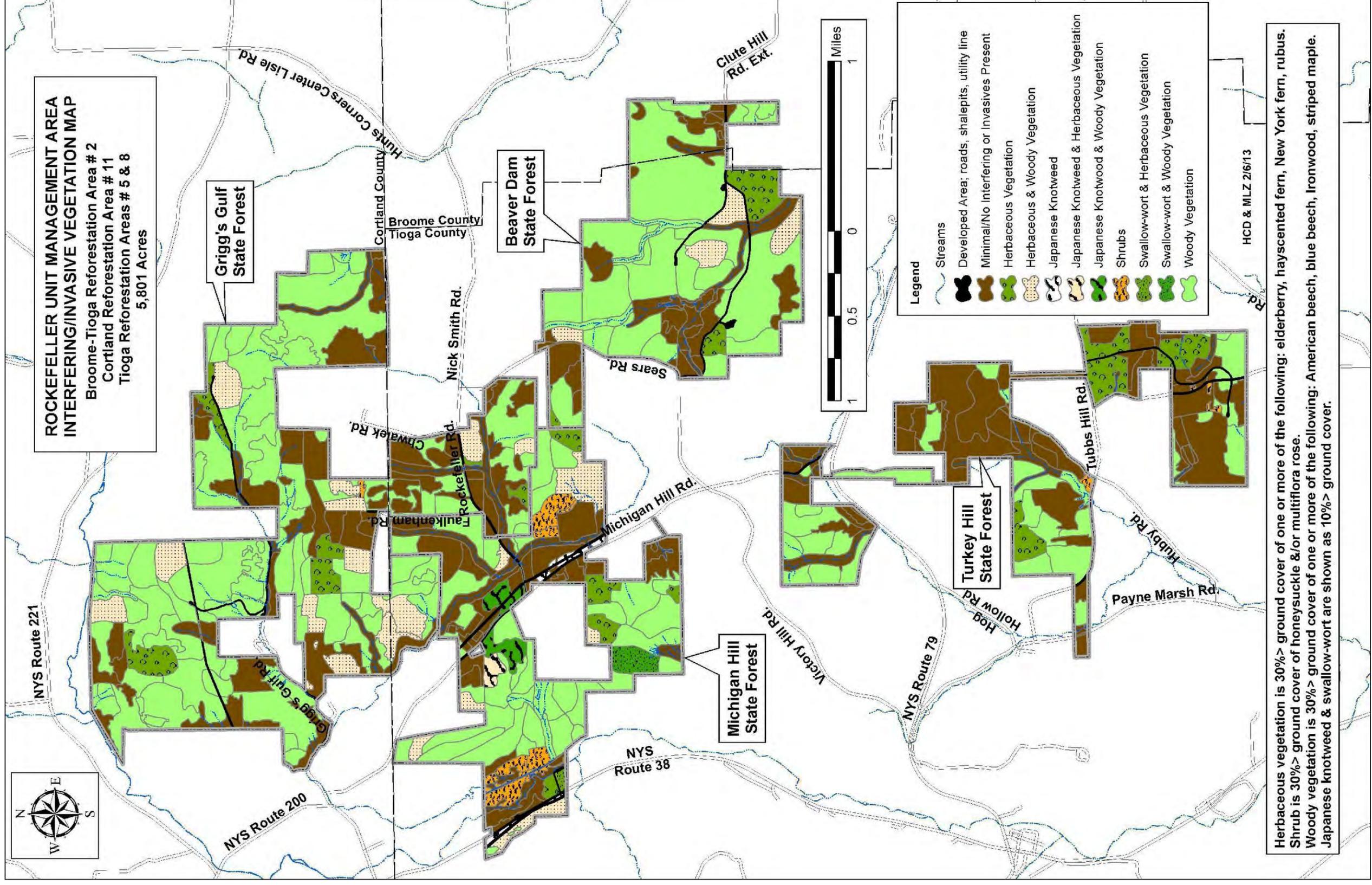












Herbaceous vegetation is 30%> ground cover of one or more of the following: elderberry, hayscented fern, New York fern, rubus.  
 Shrub is 30%> ground cover of honeysuckle &/or multiflora rose.  
 Woody vegetation is 30%> ground cover of one or more of the following: American beech, blue beech, ironwood, striped maple.  
 Japanese knotweed & swallow-wort are shown as 10%> ground cover.