



**FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 39 ENTRY YEAR: 2010

Compartment Acreage: 1705 County: Gladwin

Revision Dates: Draft 7-09-08. Draft 10-30-08.

Stand Examiner: Mark Reichel

Legal Description: T 20N, R 2E Sections 20, 21, 28, 29

Management Goals: This compartment is completely in the Lame Duck Foot Access Area, which is managed for non-motorized hunting. Aspen cover has decreased from 72% to 53% since the last year of entry, due to better aerial photos, succession to white pine and tamarack, and creation of additional grass openings. Continue to manage for high density aspen for wildlife habitat. There is a large imbalance in aspen age class distribution: 47% of the aspen in the compartment is in the 30 to 39 year old class. Aspen age class distribution will be evened with early harvest of 200 acres of aspen on poorer sites. These harvests will also help to ensure good aspen regeneration. These stands will be harvested during dormant season to further ensure good regeneration. The only other harvest scheduled in this compartment is a shelterwood/seed harvest of a small natural mixed red pine stand to regenerate pine. 1 stand totaling 22 acres that failed to regenerate will be planted to red pine.

Soil and Topography: Elevations over the compartment vary less than 10 feet, but there is considerable micro relief, and hydrology varies from dry ridges to very wet depressions. Secord Lake forms most of the western border of the compartment; one fairly steep drainage runs through the west central part of the compartment into the lake. 24% of the compartment, mostly confined to the eastern 2/3 is lowland brush or marsh. Soils include moderately good to somewhat poorly or poorly drained Iosco series soils (60%), and poorly to somewhat poorly drained Bruce, Crosswell and Hettinger series soils (30%). Only about 10% of the compartment is well drained Rubicon series soils.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment is a continuous block bordering mostly state land, with the exception of 3 ¼ miles of private land interface (9 parcels) to the Northwest and Southwest. These private parcels are lakefront properties on Secord Lake. The primary land use is hunting. There are virtually no dumping, unauthorized ORV use or trespass issues.

Unique, Natural Features: None per MNFI.

Archeological, Historical, and Cultural Features: None per HAL database.

Special Management Designations or Considerations: Compartment within Lame Duck Foot Access Area.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations: There are 7 maintained wildlife openings and an additional 4 grass or upland shrub openings that have potential for opening maintenance. There are beaver dams at the west ends of stands 15 and 42; the dam in stand 15 has flooded the road running North-South through stand 11.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel and fine-textured till. The glacial drift thickness varies between 100 and 200 feet. Beneath the glacial drift are the Pennsylvanian Grand River and Saginaw Formations. The Saginaw Formation is used for clay/shale in other areas of the State. A gravel pit is located in Section 16, and there may be some potential. This compartment has had sparse exploration for oil and gas. There are no oil and gas leases in the compartment currently.

Vehicle Access: Vehicular access is limited to Franklin Road to the North and Herner Road along the East edge. All poor dirt roads are behind Wildlife Division gates, of which there are three.

Survey Needs: A survey may possibly be needed along the South and East 1/16 lines of NWNW Sec. 20.

Recreational Facilities and Opportunities: The primary recreational use of the compartment is hunting

Fire Protection:

11/3/2008 10:01:30 AM

Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

AUSABLE STATE FOREST

GLADWIN FOREST MGT UNIT

GLADWIN COUNTY

COMPARTMENT: 39

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150-159	All Aged	Total
Aspen		24	196	277	18	420													935
Bog or Marsh	12																		12
Grass	34																		34
Jack Pine																		10	10
Lowlnd Brush	324																		324
Marsh	95																		95
Oak			25															24	49
Paper Birch							22												22
Red Pine				6														8	14
Spruce Fir				6			23												29
Swamp Hrdwds			7		10	17			7										41
Tamarack			6	12		13													31
Treed Bog	11																		11
Upland Brush	13																		13
Upland Hdwds																		7	7
Water	11																		11
White Pine			5							12								50	67
Total	500	24	239	301	28	450	45		7	12								99	1705

11/3/2008 10:01:39 AM

Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

AUSABLE STATE FOREST

GLADWIN FOREST MGT UNIT

GLADWIN COUNTY

COMPARTMENT: 39

Table 3A

(acres shown in boxes)

MANAGEMENT OBJECTIVE TYPE

COVER TYPE	A	S	V	C	G	H	J	I	L	P	N	Q	X	O	B	R	K	Y	F	E	T	D	U	M	Z	W	Total
A Aspen	911														24												935
V Bog or Marsh			12																								12
G Grass					34																						34
J Jack Pine															10												10
L Lowlnd Brush									324																		324
N Marsh											95																95
O Oak														49													49
B Paper Birch															22												22
R Red Pine	6														8												14
F Spruce Fir																			29								29
E Swamp Hrdwds																			41								41
T Tamarack																					31						31
D Treed Bog																						11					11
U Upland Brush																							13				13
M Upland Hdwds																								7			7
Z Water																									11		11
W White Pine																										67	67
Total	917		12		34				324		95			49	22	42			29	41	31	11	13	7	11	67	1705

AUSABLE STATE FOREST

GLADWIN FOREST MGT UNIT

GLADWIN COUNTY

COMPARTMENT: **39**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	7633 Cds	Hardwood	2047 Cds
Hardwood	436 Mbf	Hardwood	158 Mbf
Softwood	900 Cds	Softwood	11 Cds
Softwood	147 Mbf	Softwood	3 Mbf
Sum TotVol	9699 Cds	Sum CutVol	2380 Cds
Total Cmpt Acres		Acres Proposed For Cut.....	
1705		177	

GLADWIN FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 39

Entry Year: 2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
1	A6	79	38	58	aspen (upland)	immature	final harvest	2		
comnts Fmd : Early harvest to even the aspen age distribution and ensure aspen regeneration. This is portion of former much larger stand 1; this portion has lower site index. Nearly pure stand. '98 comments: CUT BY D-7 1970										
4	A9	15	47	73	aspen (upland)	mature	final harvest	1		
comnts Fmd : Final harvest. Paint out drainages at west end for retention, and do not cut red pine and spruce (for retention). Access from existing road at sw end of stand. Probably need 2 landings unless drainage at west end can be cordoroyed. Both landings off existing rd at SW end of stand, first near road, second (larger) at N end of stand just N of "nose" of stand 17 that protrudes east into this stand.										
5	A1	24	6	68	red pine	sparse		0	planting	
comnts Fmd : Poor regen. Mixed upland deciduous: oak, map, quak and bigtooth aspen. PLANT TO 1) R OR 2) J; BOTH ARE SEEDING IN AND GROWING WELL. '01 comments: SMALL HALF AC INCLUSIONS OF R PINE & SWAMP CONIFERS DO NOT CUT OAK 17 acres cut in 2001										
30	R9	8		60	red pine	unevenaged	shelterwood-prep	2		
comnts Fmd : Diverse R, J, A w/ a little T and spruce at W end. Estimated year of origin is 1938. Cut all spp. Except red pine (of all ages). Leave Spruce and Tamarack for retention.										
54	A6	45	38	58	aspen (upland)	immature	final harvest	2		
comnts Fmd : Early harvest to even the aspen age distribution and ensure aspen regeneration. This is portion of former much larger stand 1; this portion has lower site index. Nearly pure stand. '98 comments: CUT BY D-7 1970										
56	A5	30	38	57	aspen (upland)	immature	final harvest	2		
comnts Fmd : Early harvest to even aspen age class distribution and ensure aspen regeneration. Ground cov bracken to sensitive fern.										
Total Acres.....		201								

**Proposed Treatments
With Limiting Factors**

Compartment: 39

Entry Year:2010

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FD Status
--------------	-----------------------	--------------	------------	-----------------------	--------------------	------------------	-----------------------	-----------------------------	--------------------------	----------------------

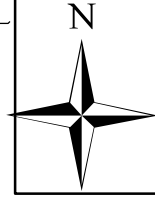
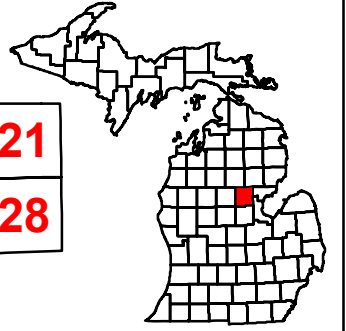
TREATMENT LIMITING FACTORS:

Total Acres..... 0

Compartment 39
 T20N, R2E, Sec.20, 21, 28, 29
 County: Gladwin
 Unit: Gladwin
 YOE: 2010
 Acres: 1,705 GIS Calculated
 Stand Examiner: Mark Reichel
 Map Revised: 10/31/2008
 Map Phase: Pre-Review

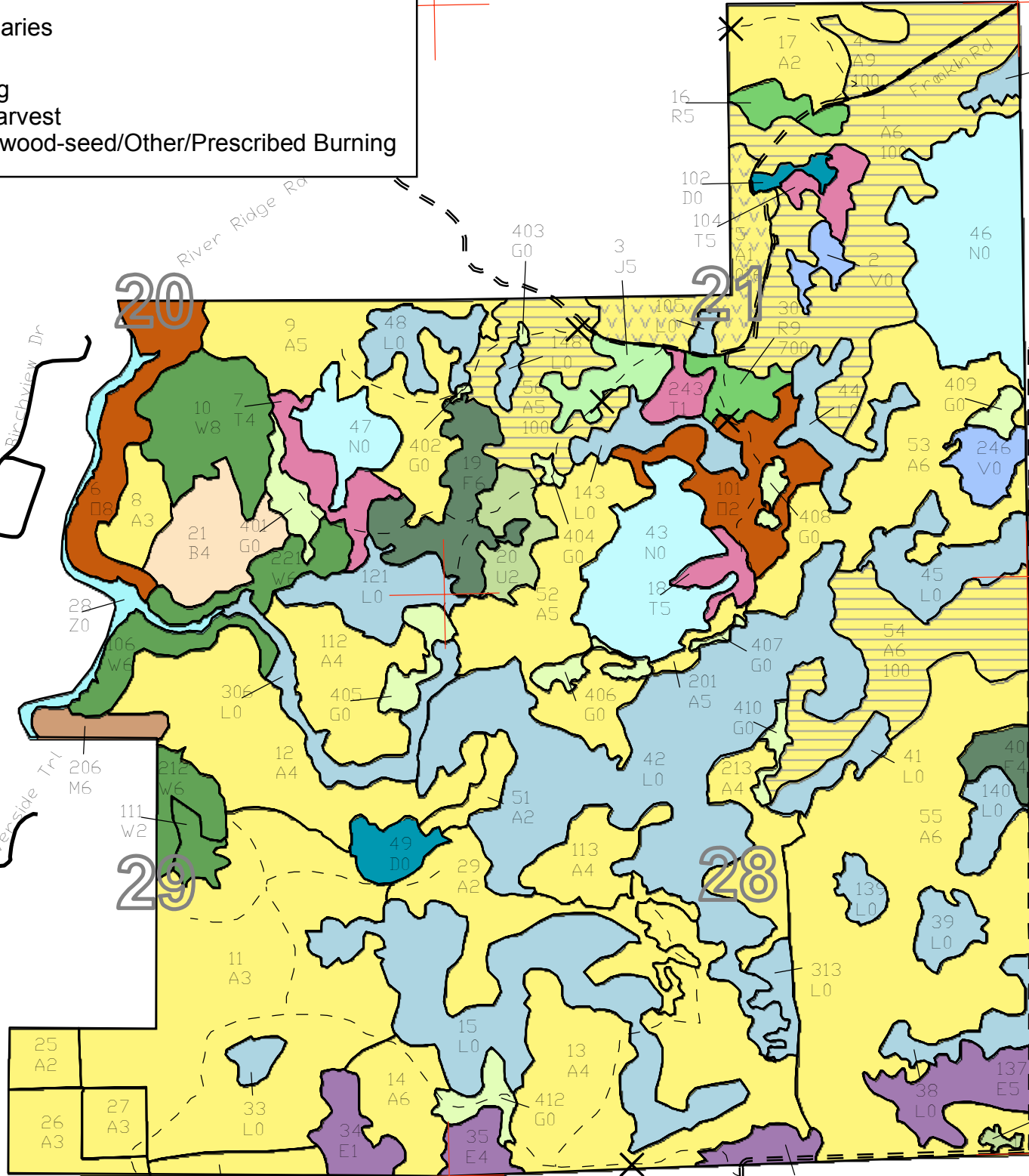
Covertypes & Treatment Map

20	21
29	28



Legend

- Miris Corners
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Gates
- Stand Boundaries
- Treatments**
- 016 - Planting
- 100 - Final harvest
- 397 - Shelterwood-seed/Other/Prescribed Burning



- | Cover Types | |
|--------------------------|------------------------|
| A - Aspen | M - Northern Hardwoods |
| B - Paper Birch | N - Marsh |
| D - Treed Bog | O - Oak |
| E - Swamp Hardwoods | R - Red Pine |
| F - Upland Spruce or Fir | T - Tamarack |
| G - Grass | U - Upland Brush |
| J - Jack Pine | V - Bog or Muskeg |
| L - Lowland Brush | W - White Pine |
| | Z - Water |



84:16:0"W 84:15:0"W 84:14:0"W

44:8:0"N

44:7:0"N

44:6:0"N

44:8:0"N

44:7:0"N

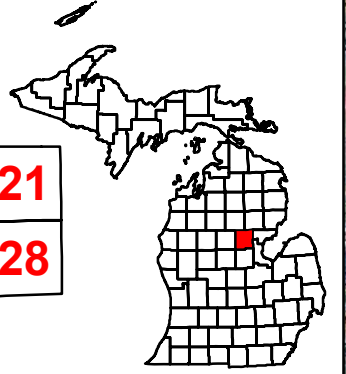
44:6:0"N

44:5:0"N

Compartment 39
 T20N, R2E, Sec.20, 21, 28, 29
 County: Gladwin
 Unit: Gladwin
 YOE: 2010
 Acres: 1,705 GIS Calculated
 Stand Examiner: Mark Reichel
 Map Revised: 10/31/2008
 Map Phase: Pre-Review

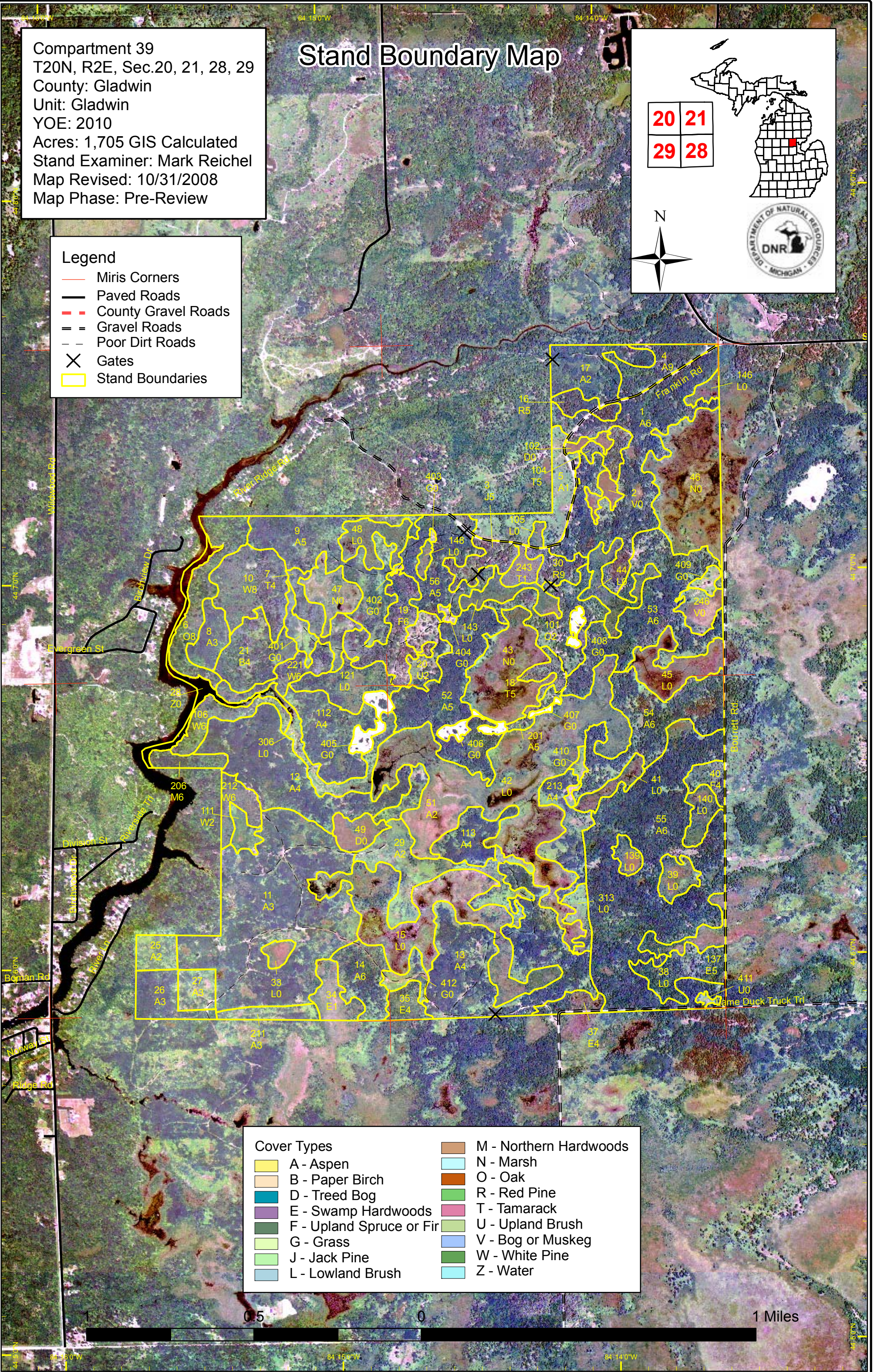
Stand Boundary Map

20	21
29	28



Legend

- Miris Corners
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Gates
- Stand Boundaries



Cover Types

- | | |
|--------------------------|------------------------|
| A - Aspen | M - Northern Hardwoods |
| B - Paper Birch | N - Marsh |
| D - Treed Bog | O - Oak |
| E - Swamp Hardwoods | R - Red Pine |
| F - Upland Spruce or Fir | T - Tamarack |
| G - Grass | U - Upland Brush |
| J - Jack Pine | V - Bog or Muskeg |
| L - Lowland Brush | W - White Pine |
| | Z - Water |

1 0.5 0 1 Miles

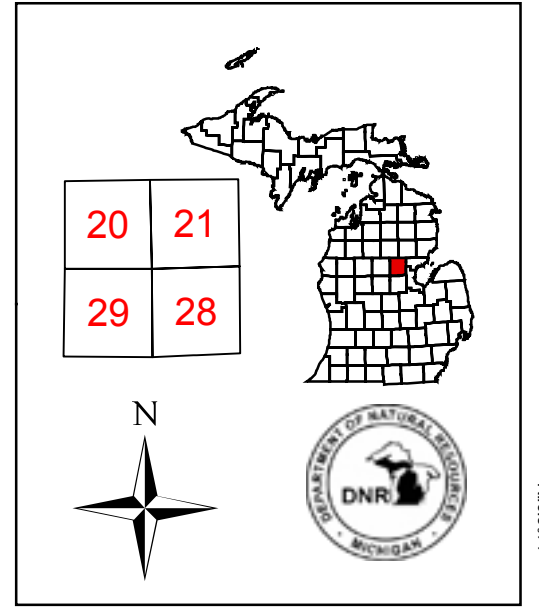
84°16'0"W

84°15'0"W

84°14'0"W

Dedicated & Proposed Special Conservation Area Map

Compartment 39
 T20N, R2E, Sec.20, 21, 28, 29
 County: Gladwin
 Unit: Gladwin
 YOE: 2010
 Acres: 1,705 GIS Calculated
 Stand Examiner: Mark Reichel
 Map Revised: 10/31/2008
 Map Phase: Pre-Review



Legend

- Miris Corners
- Stand Boundaries
- Proposed SCA
- SCA - Special Conservation Areas
- Dedicated Special Conservation Areas
- Dedicated Management Areas
- Wildlife Management Areas

44°80'N

44°80'N

44°70'N

44°70'N

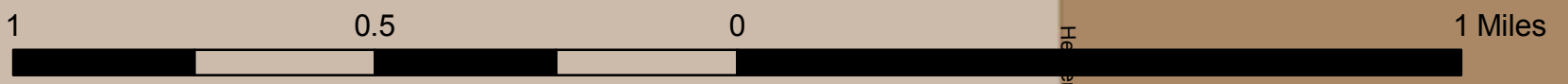
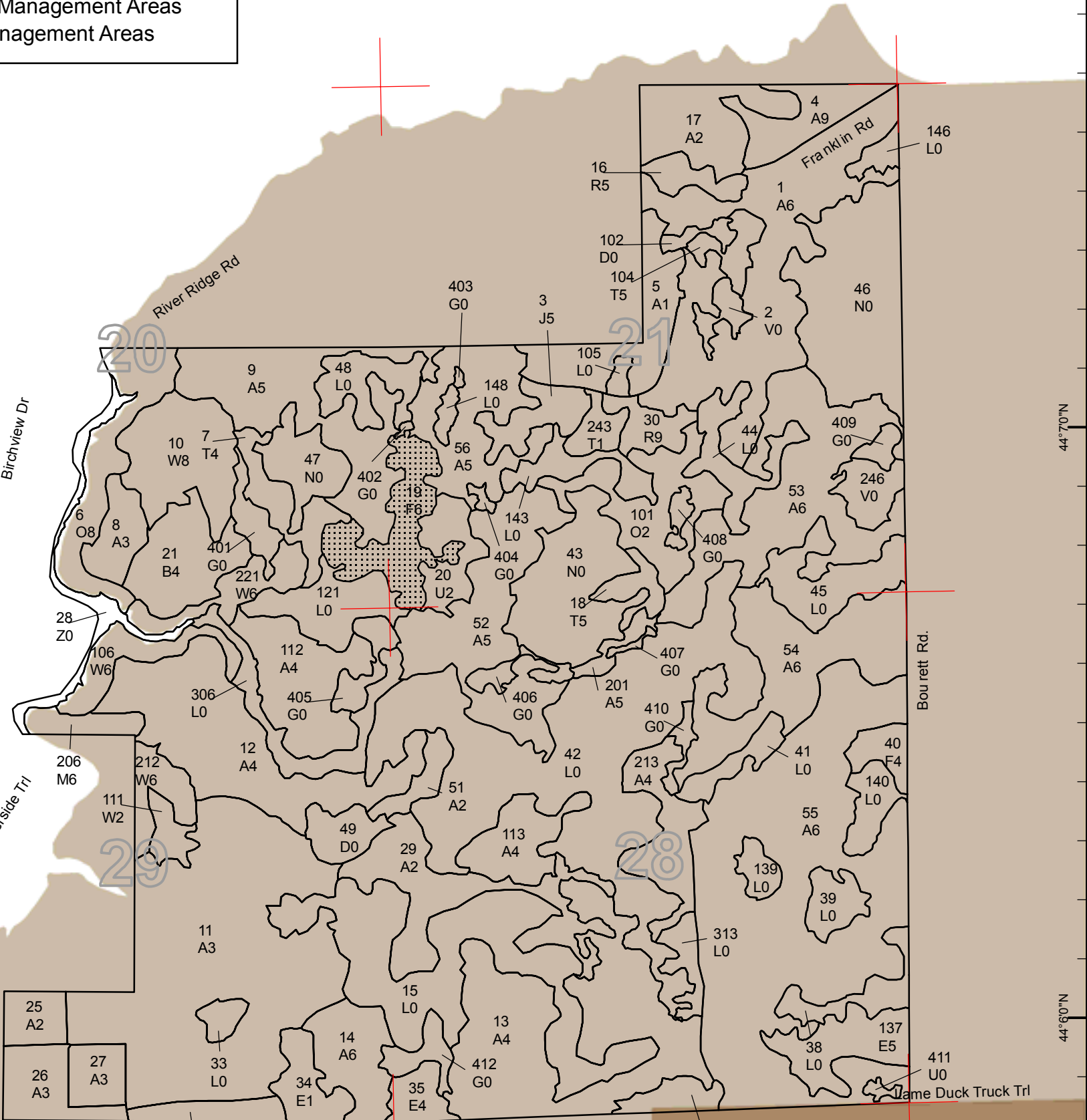
44°60'N

44°60'N

84°16'0"W

84°15'0"W

84°14'0"W



84°16'0"W

84°15'0"W

84°14'0"W



DEDICATED CONSERVATION AREA DETAILS

* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

Conservation Area	Type	Description
HCVA	Dedicated Management Areas	Such areas are dedicated by the DNR Director for specific management uses through the promulgation of rules, as governed by Part 5, Department of Natural Resources, of the NREPA (MCL 324.502(2) and 324.504). Section 38 of the Administrative Procedures Act (MCL 24.238) provides for public requests for the promulgation of rules. This is an active program, with one proposed site currently under review by the DNR.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.