

## Documentation of and Rationale for DNRE Changes from the Core Design Team Recommended Biodiversity Stewardship Areas



The following table provides a brief documentation of the changes in recommended Biodiversity Stewardship Areas (BSAs) in the Northern Lower Peninsula (NLP) ecoregion, from the areas that were recommended by the NLP Core Design Team to the final areas that the DNRE is proposing and seeking public comment upon. The documented changes reflect recorded rationale for decisions that were made during several stages of the internal DNRE review and approval process. This DNRE review and approval process included a review and recommendation for a set of BSAs by the NLP Ecoteam, the DNRE Statewide Biodiversity Team, and by the DNRE Statewide Council with the assistance of DNRE resource divisions (Fisheries Division, Forest Management Division, Recreation Division, and Wildlife Division), culminating in the approval by the DNRE Statewide Council of a proposed set of areas for public review. Categories of changes included: No Change; Minor Edits, Modified, Split, Combined, and Removed. BSAs are listed in alpha-numeric order. Acreage numbers are provided for both the Core Design Team recommended BSAs and the DNRE proposed BSAs. Changes in the names of proposed BSAs are reflected in the DNRE Proposed Name column.

A [map showing the differences](#) detailed below may also be viewed.

CORE DESIGN TEAM NAME	CDT ACRES	COUNTY	SUBSEC	CHANGE	DOCUMENTATION OF CHANGES	DNRE PROPOSED DNRE PROPOSED	
						BSA ACRES	NAME
36th Street Barrens	398	Newaygo	7.3	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	366	36th Street Barrens
40th St Barrens	788	Lake	7.3	Removed	Removed due to difficulty in managing (burning) barrens on private lands, and better represented in other BSAs.		
5 Mile Creek Swamp	1,191	Newaygo	7.3	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	1,197	5 Mile Creek Swamp
Alcona Dam NDP	378	Alcona	7.2	Combined	Combined with Alcona Dam NMF	22,256	Alcona Dam Forest
Alcona Dam NMF	21,716	Alcona	7.2	Combined	Combined with Alcona Dam NDP. Boundaries adjusted to match USFS Management Areas.		
Alcona Dam Pond OG NDP	1,631	Alcona/ Iosco	7.2	Combined	Combined with Alcona Dam OG NFW	3,744	Alcona Dam Pond Complex
Alcona Dam Pond OG NFW	2,134	Alcona/ Iosco	7.2	Combined	Combined with Alcona Dam OG NDP		
Arcadia Dunes	435	Manistee	7.4	Edited	Minor edits to remove some developed small tract ownerships, and to make the boundary more identifiable by aligning it to natural and man-made features.	410	Arcadia Dunes
Au Gres Dune and Swale Complex	2,163	Arenac	7.1	Edited	Minor edits to remove some developed small tract ownerships, and to make the boundary more identifiable by aligning it to natural and man-made features.	2,071	Au Gres Dunes
Au Sable Islands	91	Oscoda	7.2	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	90	Au Sable Islands Forest
Bear Lake PCS	197	Manistee	7.4	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	183	Bear Lake Swamp
Bear Swamp	5,246	Mason/ Lake	7.3	Edited	Modified to follow USFS RNA boundary on the NW side.	5,213	Bear Swamp
Beaver Creek Complex Crawford CO	156	Crawford	7.2	Removed	Removed because communities are better represented in other BSAs and the area is on military leased lands.		
Beaver Creek Complex Oceana CO	3,789	Oceana	7.3	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	3,727	Beaver Creek Wetlands
Beaver Island Arch Complex	43,629	Charlevoix	7.6	Modified	Combined with the High Island Complex BSA. The BSA upon Beaver Island was reduced to focus upon the endemic Great Lakes shoreline communities. Interior areas were removed due to the incompatible dedication of these areas for game management research.	18,455	Beaver Island Archipelago Complex
Bee Nimble and Pugsley Barrens	4,316	Grand Traverse/ Wexford	7.2	Modified	Reduced to exclude the prison and areas to the north of Number Two Road where managed oak and aspen types do not contribute to the functionality of the barrens community.	1,240	Bee Nimble and Pugsley Barrens
Benzie Moraine Matrix and Connector	14,496	Benzie	7.3	Modified	Reduced from a matrix to a large patch that includes only the original Phase 1 polygon and additional adjacent stands. Mesic northern forest is better represented in other BSAs.	2,053	Benzie Moraines Forest
Benzie Shoreline complex	21,710	Benzie/ Leelanau	7.4	Modified	Commercial Forest ownerships were removed from periphery. Edits to remove some developed small tract ownerships, and to make the boundary more identifiable by aligning it to natural and man-made features.	17,714	Benzie Shoreline Complex

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CORE DESIGN TEAM NAME	CDT ACRES	COUNTY	SUBSEC	CHANGE	DOCUMENTATION OF CHANGES	DNRE	
						PROPOSED BSA ACRES	PROPOSED DNRE BSA NAME
Big Rock Boreal Forest	1,881	Charlevoix	7.5	Modified	Minor edits to remove some developed small tract ownerships, and to make the boundary more identifiable by aligning it to natural and man-made features.	1,585	Big Rock Forest
Black Forest NNF	3,299	Cheboygan	7.6	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	3,287	Black Forest Wetlands
Black River NFW	2,349	Cheboygan	7.6	Modified	Modified to remove the highly developed shoreline area on the north end and minor edits were made to make the boundary more identifiable by aligning it to natural and man-made features.	2,223	Black River Wetlands
Black River Ranch PB	2,326	Montmorency	7.6	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	2,344	Black River Ranch Barrens
Blockhouse Creek NFW	932	Oscoda/ Alcona	7.2	Combined	Combined with former Blockhouse Creek NNF. Boundary modified to follow USFS Management Area, excepting private 40 on the east side and the wetland boundary on the north end.	1,498	Blockhouse Creek Wetland Complex
Blockhouse Creek NNF	561	Oscoda	7.2	Combined	Combined with Blockhouse Creek NFW.		
Blue Lake Marshes	251	Mecosta	7.2	Edited	Minor edits to remove some developed small tract ownerships, and to make the boundary more identifiable by aligning it to natural and man-made features.	183	Blue Lake Marshes
Boardman Complex	36,189	Grand Traverse/ Kalkaska	7.2	Modified	Reduce the proposed matrix BSA to focus on the Sand Lakes Quiet Area, but included all of the fen complex to the north, extended boundary south to the river, and included some areas to the east in order to include additional higher quality dry-mesic northern forest. The CDT proposed matrix BSA was 36,200 acres in size, and included 28,800 acres of state forest land (10% of the Traverse City FMU for this BSA alone). This percentage represented a high proportion of the FMU being committed to only biodiversity values at the expense of other competing social and economic values, including hunting, trail recreation, fiber production and oil and gas development. The removed areas are very limited in quality, condition, and functionality criteria, and had poor potential for restoration when weighed against the social and economic tradeoffs.	3,935	Boardman Sand Lakes Forest
Bowman Bridge FF	365	Lake	7.3	Combined	Combined with Bowman Hills DMNF.	1,527	Bowman Hills Forest
Bowman Hills DMNF	1,062	Lake	7.3	Combined	Commercial Forest ownership was removed from periphery. Combined with Bowman Bridge FF		
Bridge Lake	191	Grand Traverse	7.3	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	197	Bridge Lake Wetlands
Britt Woods	32	Iosco	7.1	Removed	Very small area in a fragmented, non-functional landscape. Mesic northern forest is better represented in other BSAs.		
Burns Road Bog Complex	326	Midland	6.6	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	323	Burns Road Bog
Canfield Lake Savanna OPB	296	Manistee	7.4	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	265	Canfield Lake Barrens
Casin Lake	63	Mason	7.3	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	58	Casin Lake Wetlands
Casin Lake Barrens	1,849	Mason	7.3	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	1,837	Casin Lake Barrens

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CORE DESIGN TEAM NAME	CDT ACRES	COUNTY	SUBSEC	CHANGE	DOCUMENTATION OF CHANGES	DNRE PROPOSED DNRE PROPOSED BSA ACRES NAME	BSA ACRES NAME
Cathead Bay Complex	6,334	Leelanau	7.5	Modified	Minor edits to remove some developed small tract ownerships, and to make the boundary more identifiable by aligning it to natural and man-made features. Excluded the intensive-use areas of the Park, specifically Lighthouse Point and the Woolsey Airport.	5,063	Cathead Bay Dunes
Cedar Lake NFW	2,777	Alcona	7.1	Removed	No survey data is available regarding quality of communities, which may be better represented in other BSAs. Re-assess for inclusion in 2012 review.		
Cedar Lake NMF	97	Alcona	7.1	Removed	No survey data is available regarding quality of communities, which may be better represented in other BSAs. Re-assess for inclusion in 2012 review.		
Cedar NFW	11,308	Leelanau	7.5	Modified	Commercial Forest ownership was removed, and the BSA was modified to remove the town of Cedar and to focus the BSA on the core wetland complex adjacent to Lake Leelanau, located on the State Forest and conservancy ownerships.	3,579	Cedar Wetlands
Chandler Hills_Lower Bear River	35,483	Charlevoix/ Cheboygan/ Emmet	7.2	Modified	Reduced to retain the Lower Bear River wetland complex. Reduced for social and economic considerations, whereby too much of the mesic northern forest type in the NLP would be dedicated to only biodiversity values to the exclusion of timber production. The Chandler Hills has some of the highest timber value per acre in the state. The proposed CDT matrix BSA and connector was 77,800 acres in size and included 54,500 acres of State Forest land (17% of the Gaylord FMU). The proposed CDT BSA included 36,000 acres of northern hardwood type, representing 38% of type for Gaylord FMU and 17% of all northern hardwood on State Forest lands in the NLP.	6,638	Lower Bear River Wetlands
Chandler Jordan Connector	20,171	Charlevoix/ Otsego/ Antrim	7.2	Removed	Dropped for social and economic considerations, whereby too much of the mesic northern forest type in the NLP would be dedicated to only biodiversity values to the exclusion of timber production. The Chandler Hills has some of the highest timber value per acre in the state. The proposed CDT matrix BSA and connector was 77,800 acres in size and included 54,500 acres of State Forest land (17% of the Gaylord FMU). The proposed CDT BSA included 36,000 acres of northern hardwood type, representing 38% of type for Gaylord FMU and 17% of all northern hardwood on State Forest lands in the NLP.		
Charlevoix Dunes	159	Charlevoix	7.5	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	139	Charlevoix Dunes
Cheboygan Point	4,515	Cheboygan	7.6	Edited	Removed some intensive-use areas of the State Park, including an ORV trail on the east side of the BSA. Other minor edits were made to make the boundary more identifiable by aligning it to natural and man-made features.	4,524	Cheboygan Point Shoreline Complex
Chestonia Highlands	2,544	Antrim	7.5	Removed	Removed to concentrate the remaining Jordan Valley BSA where there is the most contiguous area of higher quality public and private mesic northern forest. The removed area is much less contiguous forestland, lower quality, and more fragmented in ownership. The removed State Forest land is almost entirely wetland, which is better represented in other BSAs.		
Chippewa-Salt Forest Complex	451	Midland	6.6	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	449	Chippewa Salt Forest
Chub Lake Swamp NFW North	1,177	Otsego	7.2	Combined	Combined with all other Chub Lake Swamp BSAs.	3,061	Chub Lake Swamp Complex

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Chub Lake Swamp NFW South	604	Otsego	7.2	Combined	Combined with all other Chub Lake Swamp BSAs.		
Chub Lake Swamp NNFW North	359	Otsego	7.2	Combined	Combined with all other Chub Lake Swamp BSAs.		
Chub Lake Swamp NNFW South	891	Otsego	7.2	Combined	Combined with all other Chub Lake Swamp BSAs.		
Colonial Pt MNF	893	Cheboygan	7.6	Combined	Combined with Maple River NFW BSA.		
Comp 19 Bog	47	Oscoda	7.2	Removed	Removed due to small size and poor quality of the community, which is better represented in other BSAs.		
Comp 207 DMNF	107	Crawford	7.2	Removed	Removed because the BSA was determined to be too small as to be a function representative DMNF community, which is better represented in other BSAs.		
Comp 217 swamp	72	Crawford	7.2	Removed	Removed due to lack of survey data to assess what are thought to be poor quality communities, which are better represented in other BSAs.		
Comp 227 Wetland Complex DMNF	996	Crawford	7.2	Removed	Needs survey to determine BSA value. Re-assess in 2012.		
Comp 50 Hardwoods_Swamp Conifer	306	Grand Traverse	7.2	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	304	Compartment 50 Swamp Complex
Comp 66 Hardwood conifer swamp	220	Iosco/ Alcona	7.2	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	220	Compartment 66 Swamp
Coreyon Point	1,536	Bay/ Tuscola	6.6	Removed	Will be reviewed in the Southern Lower Peninsula CDT process.		
C-Shaped Depression	76	Crawford	7.2	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	78	C-Shaped Depression Fen
Damon	26,663	Ogemaw/ Roscommon	7.2	Modified	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	26,366	Damon Forest
Deadstream	23,803	Roscommon/ Missaukee	7.2	Modified	Reduced to the dedicated National Natural Landmark boundary, to exclude areas to the west and south which have both concentrated oil and gas infrastructure and significant deer yard habitat management activity.	17,707	Deadstream Swamp
Devil's Lake Dune and Swale	3,177	Alpena	7.6	Modified	Moved the west boundary to the railroad grade and made other minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	2,774	Devil's Lake Shoreline Complex
Devil's Lake North	601	Alpena	7.6	Modified	Expanded to better capture the forested upland and wetland communities. Re-named to Norway Ridge BSA.	1,281	Norway Ridge Forest Complex
Devil's Lake South	23,752	Alcona/ Alpena	7.6	Modified	Re-named to Negwegon BSA. The State Forest campground was removed from the BSA. Other minor edits were made to make the boundary more identifiable by aligning it to natural and man-made features.	21,708	Negwegon Shoreline Complex
Duck Marsh	919	Lake	7.3	Modified	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	1,107	Duck Marsh Complex
Dudgeon Swamp	699	Newaygo	7.3	Modified	Modified to better align to USFS ownership boundary.	800	Dudgeon Swamp
Dyer Complex	2,793	Crawford	7.2	Removed	The variation of DNF and DMNF in this area are not unique and are better represented in other BSAs.		
Featherbed Marsh	1,276	Mecosta	7.2	Edited	Removed old field private lands.	1,070	Featherbed Marsh Complex
Fife Lake Creek NNFW	449	Wexford	7.2	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	451	Fife Lake Creek Wetlands
Fisherman's Island complex	6,202	Charlevoix	7.5	Modified	Reduced to park boundary. Removed some intensive-use areas of the State Park.	4,867	Fisherman's Island Complex
Fletcher Barrens	2,689	Kalkaska	7.2	Modified	Removed very small ownerships on the west end where it would be very difficult to coordinate the use of prescribed fire. Other minor edits were made to make the boundary more identifiable by aligning it to natural and man-made features.	2,336	Fletcher Barrens

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Flower Creek Marsh	245	Oceana/ Muskegon	7.4	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	235	Flower Creek Marsh
Fox Islands	4,262	Leelanau	7.4	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	4,262	Fox Islands Complex
Frog Lake Barrens	1,757	Crawford	7.2	Removed	Removed because it is in a military firing range, with an inability to manage.		
Frost Pocket Restoration Complex	1,379	Oscoda	7.2	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	1,357	Frost Pocket Barrens
Fry Lake CPM	104	Newaygo	7.3	Edited	Minor edits to align to the USFS ownership boundary.	89	Fry Lake Marsh
Gladwin County Complex	736	Gladwin	7.1	Removed	Removed due to better representation of dry-mesic and wetland communities in other BSAs.		
Gladwin Pines	391	Gladwin	7.1	Modified	No survey data to assess quality of communities, which may be better represented in other BSAs. Reduced to the area previously designated as potential old growth. Remainder of the area should be assessed in 2012.	108	Gladwin Pines Forest
Good Hart MNF	27,722	Emmet	7.6	Modified	CFA lands were removed from the eastern boundary. Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	20,367	Good Hart Forest
Grass Lake	6,039	Benzie/ Grand Traverse	7.3	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	6,179	Grass Lake Wetlands
Grass River Natural Area	1,621	Antrim	7.2	Edited	Minor edits to remove some developed small tract ownerships, and to make the boundary more identifiable by aligning it to natural and man-made features.	1,338	Grass River Complex
Gratiot SGA	12,993	Gratiot/ Saginaw	6.6	Removed	Will be reviewed in the Southern Lower Peninsula CDT process.		
Green Swamp	5,681	Montmorency/ Otsego	7.2	Combined	Combined with Green Swamp Addition. Other minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	5,941	Green Swamp
Green Swamp Addition	623	Montmorency	7.2	Combined	Combined with Green Swamp.		
Hammond Bay Wooded Dune and Swale	3,857	Presque Isle	7.6	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	3,732	Hammond Bay Dunes
Hartwick Pines NDP	2,804	Crawford	7.2	Combined	Combined with Hartwick Pines NMF BSA. Some intensive-use areas of the State Park were excluded.	6,787	Hartwick Pines Forest
Hartwick Pines NMF	4,792	Crawford	7.2	Combined	Combined with the Hartwick Pines NDP BSA.		
Heald Creek NFW	281	Newaygo	7.3	Edited	Modified to USFS management area and ownership boundaries. Other minor edits were made to make the boundary more identifiable by aligning it to natural and man-made features.	392	Heald Creek Wetlands
High Island Complex	6,035	Charlevoix	7.4	Combined	Edited to follow the shoreline of the island and combined with the Beaver Island Arch Complex BSA.		
HNF Bog	355	Crawford	7.2	Edited	Minor edit to align to USFS management area boundary and to make the boundary more identifiable by aligning it to natural and man-made features.	358	Huron National Forest Bog
Hobart Swamp	2,240	Wexford/ Osceola	7.2	Modified	Reduced to exclude all the portions in Osceola County and everything west of stand 97 in Wexford County. This is a major deer yarding complex and is actively managed to regenerate aspen and lowland hardwoods for winter deer browse. Other minor edits made to make the boundary more identifiable by aligning it to natural and man-made features.	1,384	Hobart Swamp
Hoop Lake Bog NFW	26	Cheboygan	7.6	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	26	Hoop Lake Bog

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Hopper's Swamp DMNF	2,492	Manistee/ Mason/ Lake	7.3	Combined	Combined with the Hopper's Swamp NFW BSA. Boundary modified to match USFS management area boundary on the south and east sides. Other minor edits were made to make the boundary more identifiable by aligning it to natural and man-made features.	5,618	Hopper's Swamp
Hopper's Swamp NFW	2,808	Manistee/ Mason	7.3	Combined	Combined with the Hopper's Swamp DMNF BSA.		
Horton Bay	2,881	Charlevoix	7.5	Modified	Commercial Forest ownership was removed from periphery. Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	2,388	Horton Bay Forest
Houdek Dunes	284	Leelanau	7.5	Edited	Minor edits to remove some developed small tract ownerships, and to make the boundary more identifiable by aligning it to natural and man-made features.	245	Houdek Dunes
Howes Lake prairie	621	Crawford/ Kalkaska	7.2	Edited	Very minor edit to align west end boundary to a road.	620	Howes Lake Prairie Complex
Hudson Creek	13,253	Roscommon	7.2	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	13,226	Hudson Creek Wetland Complex
Hughes HCS	4,082	Mecosta	7.2	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	3,908	Hughes Swamp
Hughes Lake Connector	33,075	Mecosta	7.2	Removed	Remove due to the difficulty of influencing desired future conditions, and communities are well represented in other BSAs.		
Hunt Creek Swamp	258	Oscoda/ Montmorency	7.2	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	286	Hunt Creek Swamp
Huron NF Pines	24,370	Iosco	7.1	Removed	Removed because there is heavy recreation use and the communities are already well represented in other BSAs.		
Indian Lake	2,478	Newaygo	7.3	Edited	Edited to align to the USFS ownership boundary. Other minor edits were made to make the boundary more identifiable by aligning it to natural and man-made features.	2,390	Indian Lake Complex
Ingerman Bog	61	Lake	7.3	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	61	Ingerman Bog Complex
Jefferson Bogs	290	Oceana	7.4	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	285	Jefferson Bogs
Jordan River Valley	22,126	Antrim	7.2	Modified	Removed some CFA land on the periphery, and concentrated on the core contiguous block of mesic northern forest. Made the boundary more identifiable by aligning it to natural and man-made features.	18,941	Jordan Valley Forest
Kirchner Lake NFW	438	Newaygo/ Oceana	7.3	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	400	Kirchner Lake Wetlands
Kruzel's Bog NFW	47	Emmet	7.6	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	46	Kruzel's Bog Complex
Lake 16 Bog NFW	228	Cheboygan	7.6	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	226	Lake 16 Bog
Lake Augusta_Thompsons Harbor	30,396	Presque Isle	7.6	Modified	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	30,479	Lake Augusta Thompsons Harbor Shoreline Complex
Lake Marg North	575	Crawford	7.2	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	572	Lake Margrethe Wetland Complex
Lake Sixteen Wetland Complex	640	Presque Isle	7.6	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	643	Lake Sixteen Wetlands

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Leverentz Lake Mesic_Dry Mesic Forest_Wet Cmplx	930	Lake	7.3	Modified	No survey data is available regarding quality of communities, which may be better represented in other BSAs. Reduced BSA to only those stands currently coded as potential old growth. The remainder of the area should be re-assess for inclusion in 2012 review.	121	Leverentz Lake Forest Complex
Little Cannon Wetland	914	Kankaska	7.2	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	903	Little Cannon Wetlands
Long Lake and North Lake Bogs	889	Grand Traverse/ Benzie	7.3	Edited	Minor modification to capture more of wetland complex at north end of Lake Dubonnet.	911	Long Lake and North Lake Bogs
Long Lake Islands MNF	71	Grand Traverse	7.3	Edited	Minor edits to align boundary to shoreline of islands.	51	Long Lake Islands Forest
Long Lake wetland	90	Wexford	7.2	Edited	Commercial forest land was removed on the west side. Other minor edits were made to make the boundary more identifiable by aligning it to natural and man-made features.	76	Long Lake Marsh
Long Swamp Hydro Complex	3,304	Alpena	7.6	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	3,316	Long Swamp Complex
Loon Lake CPM	1,391	Newaygo	7.3	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	1,384	Loon Lake Complex
Loud Dam DMNF	3,990	Iosco	7.1	Combined	Combined with the Pearch Lake Complex BSA. Aligned to USFS management area boundaries, and other minor edits were made to make the boundary more identifiable by aligning it to natural and man-made features.	4,466	Loud Dam Complex
Lovell's Bog	49	Crawford	7.2	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	50	Lovell's Bog
Lovell's Fen	40	Crawford	7.2	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	41	Lovell's Fen
Lower Manistee wetland complex	13,669	Manistee	7.4	Modified	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	12,348	Lower Manistee Wetland Complex
Mack Lake	23,141	Oscoda	7.2	Edited	Developed area around Mack Lake was excluded. Other minor edits were made to make the boundary more identifiable by aligning it to natural and man-made features.	22,701	Mack Lake Forest
Manning NNF	1,022	Cheboygan	7.6	Edited	Re-named to Duck Lake BSA. Northwest boundary moved to the ORV trail. Other minor edits were made to make the boundary more identifiable by aligning it to natural and man-made features.	910	Duck Lake Wetland Complex
Maple River NFW	4,082	Emmet/ Cheboygan	7.6	Edited	Combined with Colonial Pt. and adjusted boundaries to remove CF land, Devils Elbow development, and other developed lands.	4,230	Maple River Complex
Mason Tract	41,302	Crawford	7.2	Removed	Dry Northern Forest, Dry-mesic Northern Forest and potential for Pine Barrens restoration are better represented in other BSAs. Somewhat fragmented and contains a large golf course and housing development. There are potential social conflicts between the Mason Tract Management Plan and BSA management objectives. Special features of the Mason Tract are still recognized by the Mason Tract Management Plan, Natural River designation, and Land Use Order of the Director.		
McDonald DMNF	205	Alcona	7.6	No Change	None.	205	McDonald Forest
McGrudder Road NNFW	683	Midland	6.6	Removed	No survey data to assess quality of communities, which may be better represented in other BSAs. Will be reviewed in the Southern Lower Peninsula CDT process.		
Minnehaha NFW	2,443	Emmet	7.6	Edited	Developed area on east end was removed. Other minor edits were made to make the boundary more identifiable by aligning it to natural and man-made features.	2,405	Minnehaha Wetlands

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						PROPOSED BSA ACRES	DNRE PROPOSED BSA NAME
Mitchell Swamp	6,840	Wexford	7.2	Edited	Modified to align to USFA ownership and management area boundaries.	6,173	Mitchell Swamp
Molasses River	15,506	Gladwin/ Bay/ Arenac	7.1	Modified	Modified the priority natural community types from matrix mesic northern forest to a complex of hardwood-conifer swamp, emergent marsh and dry-mesic northern forest. Removed intensively managed aspen and oak from the north end of the polygon, due to poor restoration potential of dry-mesic northern forest that is better represented elsewhere in the polygon and in other BSAs.	7,533	Molasses River Complex
Mullen Creek Swamp	447	Newaygo	7.3	Edited	Minor edit to align to USFS ownership boundary and to make the boundary more identifiable by aligning it to natural and man-made features.	450	Mullen Creek Swamp
Muskegon Floodplain	1,908	Clare	7.2	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	2,001	Muskegon Floodplain Complex
NDP Barren NEW LU	768	Montmorency	7.2	Removed	Removed due to extensive active natural gas well leases and development throughout the BSA.		
Neahatawanta NMF	773	Grand Traverse	7.5	Edited	Minor edits to remove some developed small tract ownerships, and made the boundary more identifiable by aligning it to natural and man-made features.	520	Neahatawanta Shoreline Complex
Newaygo Barrens	3,923	Newaygo	7.3	Modified	Reduced to exclude many very small ownerships where cooperative management the BSA would be very challenging, and to align to USFS ownership boundaries.	2,485	Newaygo Barrens
Newaygo NDP	2,902	Newaygo	7.3	Combined	Combined with the Newaygo NFW BSA. North and west boundaries modified to road and railroad grade. Boundary also modified to include all of the Michigan Nature Association land and other larger private ownerships in a contiguous landscape.	4,605	Newaygo Complex
Newaygo NFW	435	Newaygo	7.3	Combined	Combined with the Newaygo NDP BSA.		
NMF NEW LU	378	Montmorency	7.2	Edited	Re-named Buttles East BSA. Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	380	Buttles East Forest
Nordhouse complex	27,173	Mason	7.4	Modified	Commercial Forest ownership was removed from periphery. Reduced to exclude some intensive-use areas of the State Park.	20,645	Nordhouse Complex
North Branch NNFV	226	Oceana	7.3	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	220	North Branch Wetlands
North Manitou Island	19,707	Leelanau	7.4	No Change	None.	19,707	North and South Manitou Islands Complex
North Pointe_Rockport	39,649	Alpena/ Presque Isle	7.6	Modified	Excluded the developed recreation zone of the State Park. Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	36,847	North Pointe Rockport Shoreline Complex
Oakwood Cemetery	27	Saginaw	6.6	Removed	Will be reviewed in the Southern Lower Peninsula CDT process.		
O'Brien Lake	288	Alcona/ Oscoda	7.2	Edited	South boundary modified to follow the Au Sable River. Other edits were made to follow USFS Research Natural Area, element occurrence and township boundaries.	143	O'Brien Lake Wetland Complex
Ogemaw Swamp	380	Ogemaw	7.1	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	370	Ogemaw Swamp
Old Mission NDP complex	1,435	Grand Traverse	7.5	Modified	Minor edits to remove some developed small tract ownerships, and made the boundary more identifiable by aligning it to natural and man-made features. Excluded the intensive-use areas of the park around the lighthouse, which is currently leased to the local township.	1,975	Old Mission Forest
Pentwater Lake Marsh	326	Oceana	7.4	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	326	Pentwater Lake Marsh
Perch Lake Complex	459	Iosco	7.1	Combined	Combined with Loud Dam DMNF		

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Pere Marquette Dry Mesic and Floodplain forest	26,183	Mason	7.3	Modified	Commercial Forest ownership was removed from periphery. Northwest end was modified to match USFS ownership boundaries and to include an USFS Species Viability Evaluation area.	32,213	Pere Marquette Floodplain Complex
Pere Marquette Floodplain	2,544	Newaygo/ Oceana	7.3	Modified	Revised southern end to match USFS management area boundaries. Other minor edits were made to make the boundary more identifiable by aligning it to natural and man-made features.	3,044	Pere Marquette Forest
Petobego Marsh	2,626	Grand Traverse/ Antrim	7.5	Modified	Modified to remove some developed and agricultural lands, and made the boundary more identifiable by aligning it to natural and man-made features.	1,536	Petobego Marsh
Petoskey	237	Emmet	7.2	Edited	Reduced to exclude some intensive-use areas of the State Park.	209	Petoskey Dunes
Petosky Preserves	392	Emmet	7.6	Removed	Removed due to many private owners and because dune communities are better represented in other BSAs.		
Pierce Drive Bog	555	Newaygo	7.3	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	561	Pierce Drive Bog
Pierson Bog	106	Montcalm	7.3	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	138	Pierson Bog
Pigeon River	45,488	Cheboygan/ Otsego/ Montmorency	7.2	Modified	Reduced due to incompatibility of natural community management and the recently updated and approved PRC Concept of Management, specifically maintaining 7-8% of the FMU in early successional cover types (0-9 years old). Other BSAs represent matrix mesic northern forest and dry-mesic northern forest in the NLP. The BSA retains a dry-mesic large patch community and the Dog Lake proposed Natural Area in the north of the FMU. Other minor edits were made to make the boundary more identifiable by aligning it to natural and man-made features.	2,659	Pigeon River Forest
Pinconning Marsh	345	Bay	6.6	Removed	Will be reviewed in the Southern Lower Peninsula CDT process.		
Railroad Lake NDP	797	Lake	7.3	Modified	Modified to exclude a very small portion of USFS land, and expanded on the east, north, and west sides to include all of the Kinney Creek Association lands.	1,794	Railroad Lake Forest
Reese RCS	560	Cheboygan	7.6	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	552	Reese Swamp
Rifle Complex	98	Ogemaw	7.2	Combined	Combined with the Rifle River DMNF Complex BSA.	2,330	Rifle River Complex
Rifle River DMNF Complex	2,095	Ogemaw	7.1	Combined	Combined with the Rifle Complex BSA. Reduced to exclude some intensive-use areas of the State Park.		
Rifle River Floodplain Complex	2,711	Arenac	7.1	Modified	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	2,382	Rifle River Floodplain Complex
Round Lake Marsh	815	Missaukee/ Wexford	7.2	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	829	Round Lake Marsh
Saddler Creek NFW	4,288	Iosco	7.1	Modified	Excluded the southeastern 1/3 of the BSA, as the upland communities are better represented in other BSAs and exclusion does not significantly inhibit the quality, condition, or functionality of the wetland communities. Additional minor edits were made to make the boundary more identifiable by aligning it to natural and man-made features.	3,613	Saddler Creek Wetland Complex
Saganing Pine Deltas	930	Arenac	7.1	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	950	Saganing Pine Delta Marshes

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Sage Lake NFW	148	Montmorency	7.2	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	145	Sage Lake Swamp
Saginaw Prairies	222	Bay	6.6	Removed	Will be reviewed in the Southern Lower Peninsula CDT process.		
Salt River Woods	2,517	Midland	6.6	Removed	Pine Haven Recreation Area is annually use-permitted to Midland Co and has a high density of recreational trails. Thought to be of low quality and better represented in other BSAs. Will be reviewed in the Southern Lower Peninsula CDT process.		
Selma Swamp	897	Manistee	7.3	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	934	Selma Swamp
Shupac Barrens	1,294	Crawford	7.2	Modified	Eastern boundary shifted to the snowmobile trail and road to remove aspens stands. Other minor edits were made to make the boundary more identifiable by aligning it to natural and man-made features.	1,007	Shupac Barrens
Silver Lake Sand Dunes	4,865	Oceana	7.4	Modified	Commercial Forest ownership was removed from periphery. Removed some intensive-use areas of the State Park and developed small tract ownerships, and made the boundary more identifiable by aligning it to natural and man-made features.	3,484	Silver Lake Dunes
Sinkholes_Tomahawk _Barrens	26,363	Presque Isle/ Montmorency	7.6	Split	The Tomahawk Lakes Complex BSA was split as a separate areas from the Sinkholes Tomahawk Barrens BSA. The middle portion of the other CDT recommended BSA was removed because of the very high density of ORV trail development and use, and to minimize the inclusion of game fund-acquired aspen stands that must be primarily managed for wildlife habitat. The removed DNF and DMNF within the areas of ORV concern are well represented in other BSAs.	5,971	Sinkholes Forest
Skegemog NFW	4,334	Kalkaska/ Grand Traverse	7.5	Modified	Reduced to the current boundaries of the Wildlife Area, to concentrate upon the wetland communities and to remove areas of intensively managed aspen habitat and much of the partially developed private uplands on the north end.	2,488	Skegemog Swamp
Sleeping Bear complex	19,199	Leelanau	7.4	Modified	Commercial Forest ownership was removed from periphery. Removed some developed small tract ownerships, and made the boundary more identifiable by aligning it to natural and man-made features.	17,523	Sleeping Bear Complex
Smith's Fen NFW	92	Cheboygan	7.6	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	95	Smith's Fen Complex
Smokey Hollow NFW	37,225	Alpena/ Alcona	7.6	Removed	Mostly on private lands, where cooperative management would be challenging. Pine barren, floodplain forest, and other wetland communities are better represented elsewhere on public lands.		
Spectacle Lakes Barrens	279	Otsego	7.2	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	282	Spectacle Lakes Barrens
Stoney Lake Dunes	3,017	Oceana	7.4	Modified	Removed some developed small tract ownerships, and to make the boundary more identifiable by aligning it to natural and man-made features.	2,424	Stoney Lake Shoreline Complex
Tawas Dunes	339	Iosco	7.1	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	332	Tawas Dunes
Thunder Bay River Floodplain	338	Alpena	7.6	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	345	Thunder Bay River Floodplain Complex

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Tippy MNF	5,345	Manistee/ Wexford	7.3	Modified	Expanded to better capture the USFS designated Old Growth. Boundary follows USFS management area boundary on north end. Remainder of boundary follows road, USFS ownership and other more easily identifiable features.	12,629	Tippy Complex
Tobico Lakeplain	2,472	Bay	6.6	Removed	Will be reviewed in the Southern Lower Peninsula CDT process.		
Toft Lake	55	Newaygo	7.3	No Change	None.	55	Toft Lake Swamp
Turtle Lake North Barrens	1,092	Montmorency	7.6	Removed	Removed due to gas and other development, and better representation of barrens in other BSAs.		
		Presque Isle/ Montmorency		Split	Split off from the Sinkholes Tomahawk BSA, and reduced to the western boundary of Tomahawk Creek and flooding to avoid high density ORV trail development and use, and to minimize the inclusion of game fund-acquired aspen stands that must be primarily managed for wildlife habitat. The removed DNF and DMNF within the areas of ORV concern are well represented in other BSAs.	4,416	Tomahawk Lakes Complex
Tussing Prairie	189	Lake	7.3	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	195	Tussing Prairie Complex
VanEtten Floodplain Complex	625	Iosco	7.1	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	570	VanEtten Floodplain Complex
Veteran's DMNF	212	Midland	6.6	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	214	Veteran's Forest
Walloon Lake Large	1,770	Charlevoix	7.5	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	1,652	Walloon Lake Forest
Watson Swamp	1,917	Kalkaska	7.2	Edited	Minor edits to make the boundary more identifiable by aligning it to natural and man-made features.	1,820	Watson Swamp
White Cloud Complex	7,115	Newaygo	7.3	Modified	Modified to align to some USFS ownership boundaries. Other minor edits were made to make the boundary more identifiable by aligning it to natural and man-made features.	6,524	White Cloud Wetlands
White River DMNF	32,006	Oceana/ Muskegon	7.4	Modified	Modified to follow USFS management area boundary on the north side. Other minor edits were made to remove some developed areas and to make the boundary more identifiable by aligning it to natural and man-made features.	31,769	White River Forest
Wilderness State Park_Wycamp Complex	35,094	Emmet	7.6	Modified	Removed some intensive-use areas of the State Park. Removed near-shore areas in Lake Michigan, some aspen stands on the Wycamp portion, and the French Farm Lake Wildlife Flooding and associated deer yard to the east, which are managed primarily for purposes of wildlife habitat.	24,601	Wilderness Wycamp Complex
Williamsport and Bar Marsh Complex	2,970	Manistee	7.4	Modified	Removed some developed small tract ownerships, and to make the boundary more identifiable by aligning it to natural and man-made features.	2,400	Williamsport and Bar Marsh Complex
Wolf Creek and Grass Lake	37,176	Roscommon/ Clare/ Missaukee	7.2	Modified	Excluded areas on south side with high concentrations of recreation trails, roads, and oil/gas infrastructure. Other minor edits were made to make the boundary more identifiable by aligning it to natural and man-made features.	29,893	Wolf Creek Grass Lake Forest
<b>Total Acreage:</b>	1,127,630					<b>Total Acreage:</b> 698,470	