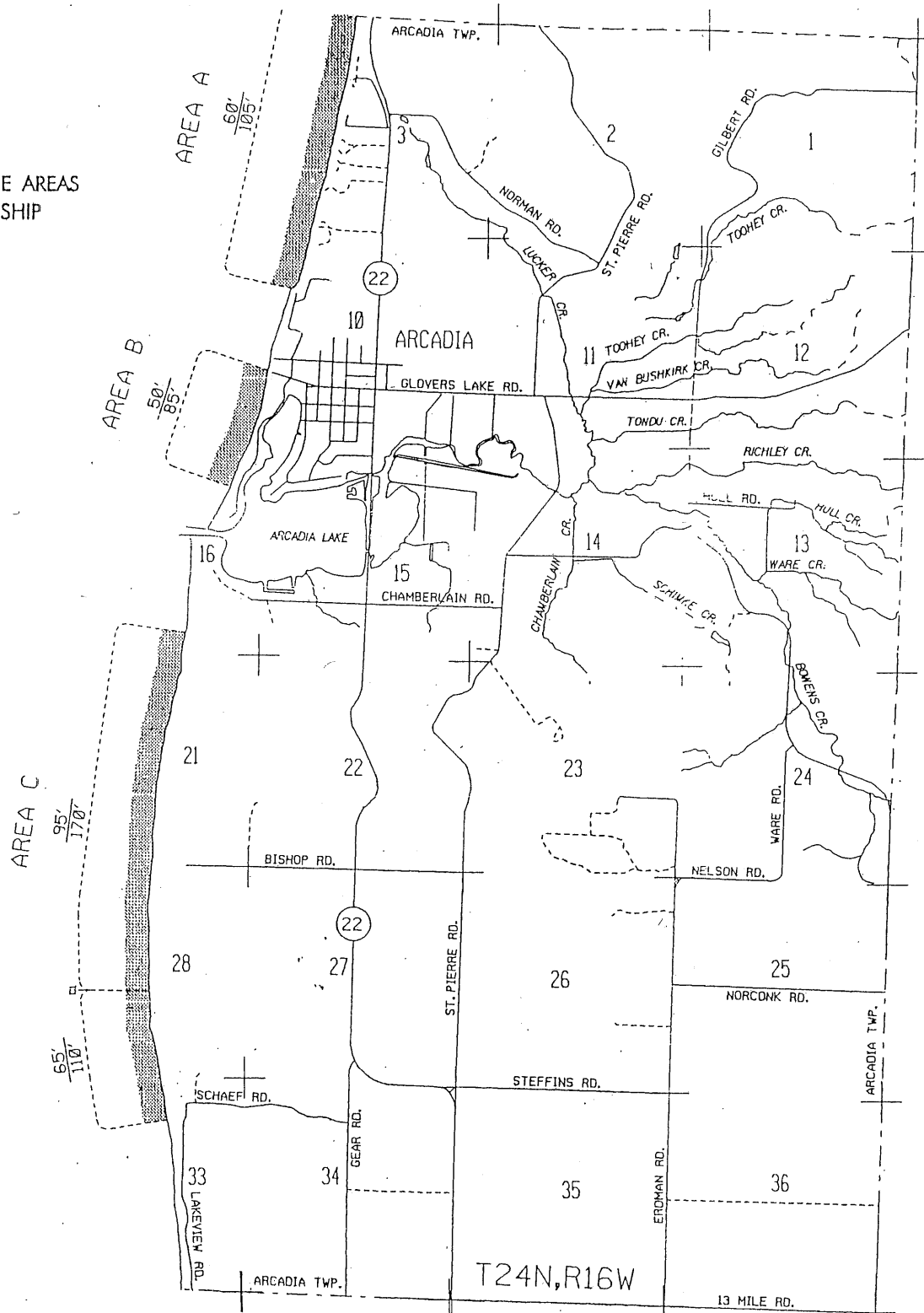


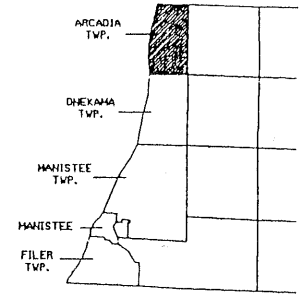
NO CRITICAL DUNE AREAS
IN THIS TOWNSHIP



ARCADIA TOWNSHIP

HIGH RISK EROSION AREAS & CRITICAL DUNE AREAS

MANISTEE COUNTY



HIGH RISK EROSION AREAS

THE NUMBER REPRESENTS, IN FEET, THE
60' 30 YEAR PROJECTED RECESSION DISTANCE
105' THE NUMBER REPRESENTS, IN FEET, THE
60 YEAR PROJECTED RECESSION DISTANCE

□ HIGH RISK EROSION AREA
(shading alongshore)

THESE AREAS ARE LEGALLY DEFINED BY THE
SHORELANDS PROTECTION AND MANAGEMENT ACT,
1970 P.A. 245, AS AMENDED, AS BEING GREAT
LAKES SHORELAND AREAS DOCUMENTED TO REcede
AN AVERAGE OF ONE FOOT OR MORE PER YEAR.

CRITICAL DUNE AREAS

□ BARRIER DUNES
BARRIER DUNE FORMATIONS DESIGNATED
PURSUANT TO 1976 P.A. 222

▨ AREAS NOT INCLUDED IN DESIGNATED
BARRIER DUNE FORMATIONS THAT ARE
COMPOSED PRIMARILY OF DUNE SAND
AND EXHIBIT SEVERAL DUNE-LIKE
CHARACTERISTICS.

▩ EXEMPLARY DUNE ASSOCIATED PLANT
COMMUNITIES OUTSIDE DESIGNATED
DUNE FORMATIONS, MICHIGAN NATURAL
FEATURES INVENTORY REFERENCE CODE
INDICATED.

SOURCE

STATE OF MICHIGAN ACT 245 RECESSION
RATE MAPS & ATLAS OF CRITICAL DUNE AREAS

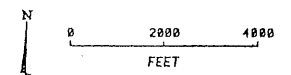
INFORMATION

MICHIGAN DEPARTMENT OF NATURAL RESOURCES
LAND AND WATER MANAGEMENT DIVISION
P.O. BOX 30028
LANSING, MI 48909
(517) 373-1958

Gis

GREATER LAKES INFORMATION SYSTEM
MICHIGAN DEPARTMENT OF NATURAL RESOURCES
LAND AND WATER MANAGEMENT DIVISION

08-02-93
amended 12-06-93



T24N, R16W

13 MILE RD.



Parcels in High Risk Erosion Areas of Arcadia Township, Manistee County

Date of Designation: December 20, 1993

Parcel Identification No.	Address	HREA*	Rate (feet/year)	30 yr PRD*	60 yr PRD*
51-01-003-007-00	18918 Northwood Hwy	A1	1.5	60	105
51-01-003-008-00		A1	1.5	60	105
51-01-003-010-00	18852 Burnham Dr	A1	1.5	60	105
51-01-003-011-10	18834 Burnham Dr	A1	1.5	60	105
51-01-003-011-05	18826 Burnham Dr	A1	1.5	60	105
51-01-003-011-00	18824 Burnham Dr	A1	1.5	60	105
51-01-003-012-00	18820 Burnham Dr	A1	1.5	60	105
51-01-003-015-00	18804 Burnham Dr	A1	1.5	60	105
51-01-003-016-00	18780 Burnham Dr	A1	1.5	60	105
51-01-003-017-00		A1	1.5	60	105
51-01-003-023-00		A1	1.5	60	105
51-01-003-022-00	18760 Burnham Dr	A1	1.5	60	105
51-01-003-025-00	18730 Burnham Dr	A1	1.5	60	105
51-01-003-025-20	18720 Burnham Dr	A1	1.5	60	105
51-01-003-025-30	18710 Burnham Dr	A1	1.5	60	105
51-01-003-025-40	18702 Burnham Dr	A1	1.5	60	105
51-01-003-025-45	18698 Burnham Dr	A1	1.5	60	105
51-01-003-025-50	18726 Burnham Dr	A1	1.5	60	105
51-01-003-025-60	18676 Burnham Dr	A1	1.5	60	105
51-01-003-026-00	Burnham Dr	A1	1.5	60	105

HREA* - Some parcels may be in multiple HREAs due to their large size.

30 yr PRD* is the Projected Recession Distance (feet) landward from the Erosion Hazard Line for readily moveable structures including those structures 3,500 square feet or less and built on a basement, crawlspace or pilings. Additional restrictions may apply per Administrative Rules 281.21-22.

60 yr PRD* is the Projected Recession Distance (feet) landward from the Erosion Hazard Line for non-readily moveable structures such as large structures and septic systems.

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Parcels in High Risk Erosion Areas of Arcadia Township, Manistee County

Date of Designation: December 20, 1993

Parcel Identification No.	Address	HREA*	Rate (feet/year)	30 yr PRD*	60 yr PRD*
51-01-003-027-00	18610 Burnham Dr	A1	1.5	60	105
51-01-003-027-20	18588 Burnham Dr	A1	1.5	60	105
51-01-003-027-05	18550 Burnham Dr	A1	1.5	60	105
51-01-003-029-00	3272 Jungle Inn Dr	A1	1.5	60	105
51-01-003-032-00	3270 Jungle Inn Dr	A1	1.5	60	105
51-01-003-033-00		A1	1.5	60	105
51-01-200-001-00	3255 Jungle Inn Dr	A1	1.5	60	105
51-01-200-002-00	3253 Jungle Inn Dr	A1	1.5	60	105
51-01-200-003-10		A1	1.5	60	105
51-01-200-003-00		A1	1.5	60	105
51-01-200-006-00	3251 Jungle Inn Dr	A1	1.5	60	105
51-01-200-007-00	18396 Alma Rd	A1	1.5	60	105
51-01-200-007-10	18396 Alma Rd	A1	1.5	60	105
51-01-200-009-00	18358 Alma Rd	A1	1.5	60	105
51-01-200-011-00	18330 Alma Rd	A1	1.5	60	105
51-01-200-013-01	18286 Alma Rd	A1	1.5	60	105
51-01-200-015-01		A1	1.5	60	105
51-01-003-037-00	18158 Northwood Hwy	A1	1.5	60	105
51-01-003-038-00	3198 Sorenson Rd	A1	1.5	60	105
51-01-003-038-50	3208 Sorenson Rd	A1	1.5	60	105

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Parcels in High Risk Erosion Areas of Arcadia Township, Manistee County

Date of Designation: December 20, 1993

Parcel Identification No.	Address	HREA*	Rate (feet/year)	30 yr PRD*	60 yr PRD*
51-01-003-039-00	3216 Sorenson Rd	A1	1.5	60	105
51-01-010-006-20	3025 Sorenson Rd	A1	1.5	60	105
51-01-010-007-00	17928 Northwood Hwy	A1	1.5	60	105
51-01-435-000-00	North Beach Condominiums	A1	1.5	60	105
51-01-435-001-00	3196 Perry Ln	A1	1.5	60	105
51-01-435-002-00	3178 Perry Ln	A1	1.5	60	105
51-01-435-003-00	3191 Perry Ln	A1	1.5	60	105
51-01-435-004-00		A1	1.5	60	105
51-01-435-005-00		A1	1.5	60	105
51-01-435-006-00	Perrn Ln	A1	1.5	60	105
51-01-435-007-00	3329 Perry Ln	A1	1.5	60	105
51-01-435-008-00		A1	1.5	60	105
51-01-435-009-00	3365 Perry Ln	A1	1.5	60	105
51-01-435-010-00	3389 Perry Ln	A1	1.5	60	105
51-01-435-011-00		A1	1.5	60	105
51-01-300-020-00	Luthern Camp Association	A1	1.5	60	105
51-01-300-007-00	17738 North Ridgewood Dr	A1	1.5	60	105
51-01-300-008-00	17730 North Ridgewood Dr	A1	1.5	60	105

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Parcels in High Risk Erosion Areas of Arcadia Township, Manistee County

Date of Designation: December 20, 1993

Parcel Identification No.	Address	HREA*	Rate (feet/year)	30 yr PRD*	60 yr PRD*
51-01-300-009-00	17726 North Ridgewood Dr	A1	1.5	60	105
51-01-300-010-00	17724 North Ridgewood Dr	A1	1.5	60	105
51-01-300-011-00	17716 North Ridgewood Dr	A1	1.5	60	105
51-01-300-012-00	17710 North Ridgewood Dr	A1	1.5	60	105
51-01-600-095-01	3025 Lake St	B1	1.2	50	85
51-01-600-095-00	Arcadia Township	B1	1.2	50	85
51-01-600-177-00	Arcadia Township	B1	1.2	50	85
51-01-016-001-00		B1	1.2	50	85
51-01-500-001-00	16882 Starke Rd	B1	1.2	50	85
51-01-500-002-00	16864 Starke Rd	B1	1.2	50	85
51-01-500-003-02	16844 Starke Rd	B1	1.2	50	85
51-01-500-004-00	16826 Starke Rd	B1	1.2	50	85
51-01-500-005-00	16806 Starke Rd	B1	1.2	50	85
51-01-500-006-00	16788 Starke Rd	B1	1.2	50	85
51-01-016-003-00 South 490 feet	2796 Chamberlain rd	C1	2.6	95	170
51-01-021-001-00		C1	2.6	95	170
51-01-021-001-10		C1	2.6	95	170

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Parcels in High Risk Erosion Areas of Arcadia Township, Manistee County

Date of Designation: December 20, 1993

Parcel Identification No.	Address	HREA*	Rate (feet/year)	30 yr PRD*	60 yr PRD*
51-01-021-002-00		C1	2.6	95	170
51-01-021-001-50		C1	2.6	95	170
51-01-021-002-20		C1	2.6	95	170
51-01-021-002-25		C1	2.6	95	170
51-01-021-002-30		C1	2.6	95	170
51-01-021-002-35		C1	2.6	95	170
51-01-021-002-40	15538 Lake Bluff Dr	C1	2.6	95	170
51-01-021-002-45		C1	2.6	95	170
51-01-021-002-50		C1	2.6	95	170
51-01-021-002-55		C1	2.6	95	170
51-01-021-002-61	15526 Maxey Rd	C1	2.6	95	170
51-01-021-002-65	Lake Bluff Dr	C1	2.6	95	170
51-01-021-002-66	Lake Bluff Dr	C1	2.6	95	170
51-01-021-002-67	Lake Bluff Dr	C1	2.6	95	170
51-01-021-002-70	15382 Maxey Rd	C1	2.6	95	170
51-01-021-002-80		C1	2.6	95	170
51-01-021-002-90	15230 Maxey Rd	C1	2.6	95	170
51-01-021-003-00	15200 Maxey Rd	C1	2.6	95	170
51-01-021-003-10	15104 Lake Bluff Dr	C1	2.6	95	170
51-01-021-003-30		C1	2.6	95	170

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Parcels in High Risk Erosion Areas of Arcadia Township, Manistee County

Date of Designation: December 20, 1993

Parcel Identification No.	Address	HREA*	Rate (feet/year)	30 yr PRD*	60 yr PRD*
51-01-021-003-80	2710 Bischoff Rd	C1	2.6	95	170
51-01-028-001-00	3949 Bischoff Rd	C1	2.6	95	170
51-01-028-002-00	Arcadia Bluffs LLC	C1	2.6	95	170
51-01-033-001-00	2676 Schaeff Rd	C2	1.6	65	110
51-01-033-003-10	13892 Lakeview Rd	C2	1.6	65	110

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