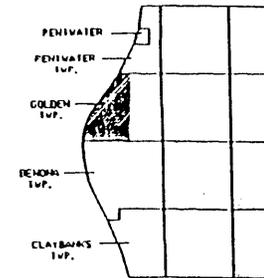


GOLDEN TOWNSHIP

HIGH RISK EROSION AREAS & CRITICAL DUNE AREAS

OCEANA COUNTY

T15N,R18W



HIGH RISK EROSION AREAS

THE NUMBER REPRESENTS, IN FEET, THE 30 YEAR PROJECTED RECESSION DISTANCE.
 100 THE NUMBER REPRESENTS, IN FEET, THE 60 YEAR PROJECTED RECESSION DISTANCE.
 HIGH RISK EROSION AREA (shading elongated)

THESE AREAS ARE LEGALLY DEFINED BY THE SHORELAND PROTECTION AND MANAGEMENT ACT, 1976 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 WITH INCLUDED IN DESIGNATED BARRIER DUNE FORMATIONS THAT ARE COMPOSED PRIMARILY OF DUNE SAND AND EXHIBIT SEVERAL DUNE-LIKE CHARACTERISTICS.
- EROSION ASSOCIATED PLUMB CORNICES 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

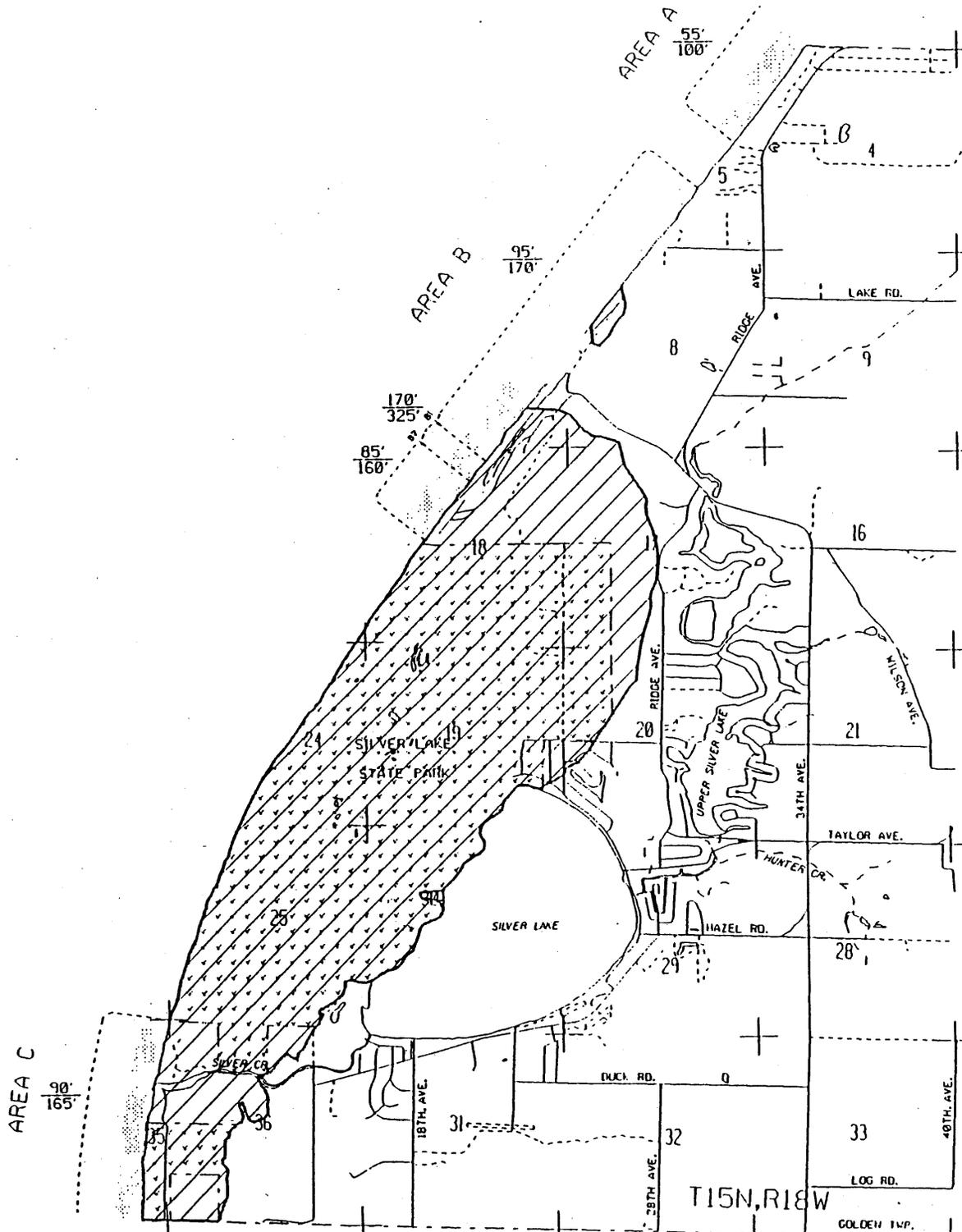
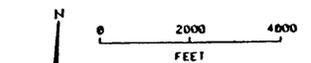
INFORMATION

MICHIGAN DEPARTMENT OF NATURAL RESOURCES
 LAND AND WATER MANAGEMENT DIVISION
 P.O. BOX 30028
 LANSING, MI 48209
 (517) 373-1950



ORIG. LINES BY INFORMATION SYSTEM
 MICHIGAN DEPARTMENT OF NATURAL RESOURCES
 LAND AND WATER MANAGEMENT DIVISION

11-04-94
 Amended 10-10-94



Parcels in High Risk Erosion Areas of Golden Township, Oceana County

HREAs identified North to South Date of Designation: November 23, 1994

HREA*	Sequence No.	Parcel Identification Number	Rate (feet/year)	30 yr PRD*	60 yr PRD*
A1	1	64-06-004-100-02	1.4	55	100
A1	3	64-06-401-100-00 Beach area of Blk 1 of L Michigan Shores adj.lots not desig.	1.4	55	100
A1	4	64-06-370-001-00	1.4	55	100
A1	6	64-06-370-004-00	1.4	55	100
A1	7	64-06-370-005-00	1.4	55	100
A1	8	64-06-370-009-00	1.4	55	100
A1	9	64-06-370-010-00	1.4	55	100
A1	10	64-06-370-011-00	1.4	55	100
A1	11	64-06-370-013-00	1.4	55	100
A1	12	64-06-370-015-00	1.4	55	100
A1	12.1	64-06-370-018-00	1.4	55	100
A1	13	64-06-370-019-00	1.4	55	100
A1	13.1	64-06-370-020-00	1.4	55	100
A1	14	64-06-370-021-00	1.4	55	100
A1	15	64-06-370-023-00	1.4	55	100
A1	16	64-06-370-025-00	1.4	55	100
A1	17	64-06-370-026-00	1.4	55	100
A1	18	64-06-370-027-00	1.4	55	100

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Parcels in High Risk Erosion Areas of Golden Township, Oceana County

HREAs identified North to South Date of Designation: November 23, 1994

HREA*	Sequence No.	Parcel Identification Number	Rate (feet/year)	30 yr PRD*	60 yr PRD*
A1	19	64-06-370-028-00	1.4	55	100
A1	20	64-06-370-029-00	1.4	55	100
A1	21	64-06-370-030-00	1.4	55	100
A1	22	64-06-370-031-00	1.4	55	100
A1	23	64-06-370-033-00	1.4	55	100
B1	30	64-06-005-400-07	2.6	95	170
B1	31	64-06-005-400-08	2.6	95	170
B1	31.1	64-06-005-400-32	2.6	95	170
B1	32	64-06-005-400-27	2.6	95	170
B1	32.1	64-06-005-400-10	2.6	95	170
B1	33	64-06-005-400-23	2.6	95	170
B1	34	64-06-005-400-12	2.6	95	170
B1	35	64-06-005-400-19	2.6	95	170
B1	36	64-06-005-400-20	2.6	95	170
B1	37	64-06-005-400-14	2.6	95	170
B1	38	64-06-005-400-25	2.6	95	170
B1	39	64-06-005-400-15	2.6	95	170
B1	40	64-06-005-400-24	2.6	95	170
B1	41	64-06-008-100-01	2.6	95	170
B1	42	64-06-008-100-02	2.6	95	170

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Parcels in High Risk Erosion Areas of Golden Township, Oceana County

HREAs identified North to South Date of Designation: November 23, 1994

HREA*	Sequence No.	Parcel Identification Number	Rate (feet/year)	30 yr PRD*	60 yr PRD*
B1	43	64-06-008-100-03	2.6	95	170
B1	44	64-06-007-100-05	2.6	95	170
B1	45	64-06-007-100-06	2.6	95	170
B1	46	64-06-007-100-07	2.6	95	170
B1	47	64-06-007-100-09	2.6	95	170
B1	48	64-06-220-001-00	2.6	95	170
B1	49	64-06-220-002-00	2.6	95	170
B1	50	64-06-220-003-00	2.6	95	170
B1	53	64-06-220-004-00	2.6	95	170
B1	54	64-06-220-006-00	2.6	95	170
B1	56	64-06-220-006-50	2.6	95	170
B1	57	64-06-008-300-02	2.6	95	170
B1	58	64-06-008-300-03	2.6	95	170
B1	59	64-06-008-300-05	2.6	95	170
B1	60	64-06-008-300-04	2.6	95	170
B1	61	64-06-008-300-06	2.6	95	170
B1	62	64-06-380-005-00	2.6	95	170
B1	63	64-06-380-006-00	2.6	95	170
B1	64	64-06-380-010-10	2.6	95	170
B1	65	64-06-380-011-00	2.6	95	170

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Parcels in High Risk Erosion Areas of Golden Township, Oceana County

HREAs identified North to South Date of Designation: November 23, 1994

HREA*	Sequence No.	Parcel Identification Number	Rate (feet/year)	30 yr PRD*	60 yr PRD*
B1	66	64-06-380-012-00	2.6	95	170
B1	67	64-06-380-013-00	2.6	95	170
B1	68	64-06-380-014-00	2.6	95	170
B1	69	64-06-380-015-00	2.6	95	170
B1	70	64-06-380-016-00	2.6	95	170
B1	71	64-06-380-017-00	2.6	95	170
B1	72	64-06-380-019-00	2.6	95	170
B1	73	64-06-380-020-00	2.6	95	170
B1	74	64-06-380-022-00	2.6	95	170
B1	75	64-06-380-023-00	2.6	95	170
B1	76	64-06-380-024-00	2.6	95	170
B1	77	64-06-380-025-00	2.6	95	170
B1	78	64-06-380-027-00	2.6	95	170
B1	79	64-06-380-028-00	2.6	95	170
B1	80	64-06-380-029-00	2.6	95	170
B1	81	64-06-380-031-00	2.6	95	170
B1	82	64-06-380-032-00	2.6	95	170
B1	83	64-06-380-033-00	2.6	95	170
B1	84	64-06-380-035-00	2.6	95	170
B1	85	64-06-380-037-00	2.6	95	170

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Parcels in High Risk Erosion Areas of Golden Township, Oceana County

HREAs identified North to South Date of Designation: November 23, 1994

HREA*	Sequence No.	Parcel Identification Number	Rate (feet/year)	30 yr PRD*	60 yr PRD*
B1	86	64-06-380-038-00	2.6	95	170
B1	87	64-06-380-039-00	2.6	95	170
B1	88	64-06-380-040-00	2.6	95	170
B1	89	64-06-380-041-00	2.6	95	170
B1	91	64-06-380-043-00	2.6	95	170
B1	92	64-06-380-044-00	2.6	95	170
B1	93	64-06-380-046-00	2.6	95	170
B1	94	64-06-380-047-00	2.6	95	170
B1	95	64-06-380-048-00	2.6	95	170
B1	96	64-06-380-049-00	2.6	95	170
B1	97	64-06-380-050-00	2.6	95	170
B1	98	64-06-380-051-00	2.6	95	170
B1	99	64-06-380-053-00	2.6	95	170
B1	100	64-06-380-054-00	2.6	95	170
B1	101	64-06-380-055-00	2.6	95	170
B1	102	64-06-380-056-00	2.6	95	170
B1	103	64-06-380-057-00	2.6	95	170
B1	104	64-06-380-058-00	2.6	95	170
B1	105	64-06-380-059-00	2.6	95	170
B1	106	64-06-380-060-00	2.6	95	170

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Parcels in High Risk Erosion Areas of Golden Township, Oceana County

HREAs identified North to South Date of Designation: November 23, 1994

HREA*	Sequence No.	Parcel Identification Number	Rate (feet/year)	30 yr PRD*	60 yr PRD*
B1	107	64-06-380-062-00	2.6	95	170
B2	108	64-06-380-063-00	5.2	170	325
B2	109	64-06-380-064-00	5.2	170	325
B2	110	64-06-380-065-00	5.2	170	325
B2	110.2	64-06-592-028-00	5.2	170	325
B2	111	64-06-380-066-00	5.2	170	325
B2	112	64-06-380-067-00	5.2	170	325
B2	112.2	64-06-592-027-00	5.2	170	325
B2	113	64-06-380-068-00	5.2	170	325
B2	113.2	64-06-592-026-00	5.2	170	325
B2	114	64-06-380-069-00	5.2	170	325
B2	114.2	64-06-592-025-00	5.2	170	325
B2	115	64-06-380-070-00	5.2	170	325
B2	115.2	64-06-592-024-00	5.2	170	325
B3	116	64-06-380-071-00	2.4	85	160
B3	117	64-06-380-072-00	2.4	85	160
B3	118	64-06-380-073-00	2.4	85	160
B3	119	64-06-380-074-00	2.4	85	160
B3	120	64-06-380-075-00	2.4	85	160
B3	122	64-06-380-077-00	2.4	85	160

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Parcels in High Risk Erosion Areas of Golden Township, Oceana County

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HREA*	Sequence No.	Parcel Identification Number	Rate (feet/year)	30 yr PRD*	60 yr PRD*
B3	123	64-06-380-078-00	2.4	85	160
B3	125	64-06-380-080-00	2.4	85	160
B3	126	64-06-380-081-00	2.4	85	160
B3	127	64-06-380-082-00	2.4	85	160
B3	128	64-06-380-083-00	2.4	85	160
B3	129	64-06-590-001-00	2.4	85	160
B3	130	64-06-590-002-00	2.4	85	160
B3	130.2	64-06-590-018-00	2.4	85	160
B3	131	64-06-590-003-00	2.4	85	160
B3	131.2	64-06-590-018-50	2.4	85	160
B3	132	64-06-590-004-00	2.4	85	160
B3	132.2	64-06-590-017-00	2.4	85	160
B3	133	64-06-590-005-00	2.4	85	160
B3	133.2	64-06-590-016-00	2.4	85	160
B3	134	64-06-590-006-00	2.4	85	160
B3	134.2	64-06-590-015-00	2.4	85	160
B3	135	64-06-590-007-00	2.4	85	160
B3	135.2	64-06-590-014-00	2.4	85	160
B3	136	64-06-590-008-00	2.4	85	160
B3	137	64-06-590-009-00	2.4	85	160

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B3	138	64-06-590-010-00	2.4	85	160
C1	139	64-06-320-020-00 dedesignated 2008		90	165
C1	140	64-06-320-019-00	2.5	90	165
C1	141	64-06-320-018-00	2.5	90	165
C1	142	64-06-320-017-00	2.5	90	165
C1	143	64-06-320-016-00	2.5	90	165
C1	144	64-06-320-015-00	2.5	90	165
C1	145	64-06-320-014-00	2.5	90	165
C1	146	64-06-320-013-00	2.5	90	165
C1	147	64-06-320-012-00	2.5	90	165
C1	148	64-06-320-010-00	2.5	90	165
C1	149	64-06-320-009-00	2.5	90	165
C1	150	64-06-320-007-00	2.5	90	165
C1	151	64-06-320-006-00	2.5	90	165
C1	152	64-06-320-005-00	2.5	90	165
C1	153	64-06-320-004-00	2.5	90	165
C1	154	64-06-320-003-00	2.5	90	165
C1	155	64-06-320-002-00	2.5	90	165
C1	156	64-06-320-001-00	2.5	90	165

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HREA*	Sequence No.	Parcel Identification Number	Rate (feet/year)	30 yr PRD*	60 yr PRD*
C1	157	64-06-322-100-00 outlot A	2.5	90	165
C1	158	64-06-322-058-00	2.5	90	165
C1	159	64-06-322-060-00	2.5	90	165
C1	160	64-06-322-061-00	2.5	90	165
C1	161	64-06-322-062-00	2.5	90	165
C1	162	64-06-322-063-00	2.5	90	165
C1	163	64-06-322-064-00	2.5	90	165
C1	164	64-06-322-065-00	2.5	90	165
C1	165	64-06-322-066-00	2.5	90	165
C1	166	64-06-322-067-00	2.5	90	165
C1	167	64-06-322-068-00	2.5	90	165
C1	168	64-06-322-069-00	2.5	90	165
C1	169	64-06-322-070-00	2.5	90	165
C1	170	64-06-322-071-00	2.5	90	165
C1	171	64-06-135-400-01	2.5	90	165

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