

**DEPARTMENT OF ENVIRONMENTAL QUALITY**

**GEOLOGICAL SURVEY DIVISION**

**SAND DUNE AREAS**

(By authority conferred on the commission of natural resources by section 13 of Act No. 222 of the Public Acts of 1976, being S281.663 of the Michigan Compiled Laws)

**R 281.401 Lincoln--Lake--Chikaming sand dune area; Berrien county.**

Rule 1. The following described area is designated as a sand dune area under the designation of the Lincoln--Lake--Chikaming sand dune area: Northwest fractional 1/4 of southeast fractional 1/4, southwest fractional 1/4 of southeast fractional 1/4, section 9; west 3/4 fractional section 16; entire sections 17 and 20; northwest 1/4, west 1/2 of southwest 1/4, section 21; west 1/4, section 28; entire sections 29, 30, 31, and 32, T5S, R19W; entire sections 5, 6, and 7; west 3/4, section 8; west 1/2 of northeast 1/4, west 1/2, section 17; entire section 18, west 1/2 of northeast 1/4, west fractional 1/2, fractional section 19; northeast 1/4 of northwest fractional 1/4, west fractional 1/2 of northwest fractional 1/4, fractional section 30, T6S, R19W; entire sections 12, 13, 24, 25, 26, 34, and 35; northwest 1/4 of northeast 1/4, northwest 1/4, northwest 1/4 of southwest 1/4, section 36, T6S, R20W; north fractional 1/2 of northeast fractional 1/4, southwest 1/4 of northeast fractional 1/4, northwest fractional 1/4, north 1/2 of southwest 1/4, southwest 1/4 of southwest 1/4, fractional section 2; entire fractional sections 3, and 9; north 1/2 of northeast 1/4, southwest 1/4 of northeast 1/4, northwest 1/4, west 1/2 of southwest 1/4, section 10; northwest 1/4 of northwest 1/4, section 11; northwest of northeast 1/4, north fractional 1/2 of northwest fractional 1/4, fractional section 16; northeast fractional 1/4 of northeast fractional 1/4, fractional section 17, T7S, R20W, Berrien county.

History: 1979 AC.

**R 281.402 South Haven--Covert--Hagar sand dune area; Van Buren and Berrien counties.**

Rule 2. The following described area is designated as a sand dune area under the designation of the South Haven--Covert--Hagar sand dune area: South fractional 1/2 of north fractional 1/2, south fractional 1/2, fractional section 21; south 3/4 section 22; west 1/2 of southwest 1/4, section 23; west 1/2 of northwest 1/4, northwest 1/4 of southwest 1/4, section 26; north 1/2, southwest 1/4, north 1/2 of southeast 1/4, section 27; entire sections 28, 29, 32, and 33; southwest 1/4 of northeast 1/4, west 1/2, section 34, T1S, R17W; northeast fractional 1/4 of northwest fractional 1/4, fractional section 3; entire sections 4, 5, 7, and 8; north 1/2 of northeast 1/4, southwest 1/4 of northeast 1/4, west 1/2, northwest 1/4 of southeast 1/4, section 9; northwest 1/4, north 1/2 of southwest 1/4, section 16; entire sections 17, 18, and 19; entire section 20 except southeast 1/4 of southeast 1/4; west 1/2, section 29; entire section 30; east

1/2 of northeast 1/4 and west 3/4, section 31, T2S, R17W; entire sections 24, 25, 35, and 36, T2S, R18W, Van Buren county.

Entire section 1 except east 1/2 of southeast 1/4; entire sections 2, and 10; northeast fractional 1/4, west fractional 1/2 and northwest 1/4 of southeast 1/4, fractional section 11; north 1/2 of northwest 1/4, section 14; northeast fractional 1/4 of northeast fractional 1/4, west fractional 1/2 of northeast fractional 1/4 and northwest fractional 1/4, fractional section 15, T3S, R18W, Berrien county.

History: 1979 AC.

**R 281.403 Park--Laketown--Saugatuck sand dune area; Ottawa and Allegan counties.**

Rule 3. The following described area is designated as a sand dune area under the designation of the Park--Laketown--Saugatuck sand dune area: West 1/2 of southwest 1/4, section 14; south 1/2, section 15; south 1/2, section 16; entire sections 21, and 22; west 1/4, section 23; west 1/2 of northwest 1/4, section 26; north 40 acres of Government Lot 1, northwest 1/4, Government Lots 3, 4 and west 1/2 of southwest 1/4, section 27; entire sections 28, 33, and 34; west fractional 1/2 of southwest fractional 1/4, section 35, T5N, R16W, Ottawa county. West 1/4, section 2; entire sections 3, 4, 9, and 10; west 1/4, section 11; west 1/4, section 14; entire sections 15, 16, 21, and 22; west 1/4, section 23; west 1/2 of northwest 1/4 and northwest 1/4 of southwest 1/4, section 26; entire sections 27, 28, 33, and 34, T4N, R16W; entire section 3 except east 1/2 of southeast 1/4; entire sections 4, 5, and 8; Government Lots 1, 2, 3, 4, 5, and 6; north fractional 1/2 of northeast 1/4, southwest 1/4 of northeast 1/4, south 1/2 of southeast 1/4 and northwest 1/4 of southeast 1/4, section 9; west 1/2 of northeast 1/4, north 1/2 of northwest 1/4, southeast 1/4 of northwest 1/4, southwest 1/4 of southwest 1/4, section 10; Government Lots 1, 2, and 3, section 15; entire section 16 except southwest 1/4 of southwest 1/4; entire section 17 except southeast 1/4 of southeast 1/4, Government Lots 1, 2, and 3, section 20; north 1/2 of northeast 1/4, southeast 1/4 of northeast 1/4, northeast 1/4 of northwest 1/4, section 21, T3N, R16W, Allegan county.

History: 1979 AC.

**R 281.404 Laketon--Fruitport--Spring Lake--Grand Haven sand dune area; Muskegon and Ottawa counties.**

Rule 4. The following described area is designated as a sand dune area under the designation of the Laketon--Fruitport--Spring Lake--Grand Haven sand dune area: Southeast 1/4 of southeast 1/4, Government Lot 10, section 6; entire sections 7, and 8; entire section 9 except east 1/2 of northeast 1/4; entire section 16 except southeast 1/4 of southeast 1/4; entire section 21 except Government Lot 1; entire sections 17, 20, 28, 33, and 34; Government Lots 2, 3, and 4, south 1/2 of southwest 1/4, southeast 1/4, section 35, T10N, R17W; west 1/2 of northwest 1/4, west 1/2 of southwest 1/4, southeast 1/4 of southwest 1/4, section 1; entire sections 2, 3, 10, and 11; southwest

1/4 of northeast 1/4, northwest 1/4, west 1/2 of southwest 1/4, northeast 1/4 of southwest 1/4, Government Lot 3, northwest 1/4 of southeast 1/4, section 12; entire sections 13, 14, 23, 24, 25, 26, and 36, T9N, R17W; southwest fractional 1/4 of northwest fractional 1/4, west fractional 1/2 of southwest fractional 1/4, southeast 1/4 of southwest fractional 1/4, section 18; southwest 1/4 of northeast 1/4, northwest fractional 1/4, southwest fractional 1/4, west 1/2 of southeast 1/4, section 19; west 1/2 of southwest 1/4, section 29; entire fractional sections 30, and 31; Government Lot 1, section 32, T9N, R16W, Muskegon county.

Entire section 1, T8N, R17W; entire section 5 except east 1/2 of northeast 1/4; entire sections 6, 7, and 8; southwest 1/4 of northwest 1/4, west 1/2 of southwest 1/4, section 9; northwest 1/4, section 16; entire sections 17, 18, 19, and 20; Government Lot 12, southwest 1/4, west 1/2 of southeast 1/4, section 21; entire section 28 except northeast 1/4 of northeast 1/4; entire sections 29, 32, and 33; southwest 1/4 of northwest 1/4, west 1/2 of southwest 1/4, section 34, T8N, R16W; west 1/2 of northwest 1/4, southwest 1/4, section 3; entire sections 4, 5, 8, and 9; west 1/2, southwest 1/4 of southeast 1/4, section 10; west 3/4, section 15; entire sections 16, 17, and 20; entire section 21 except southeast 1/4 of southeast 1/4; northwest 1/4 of northeast 1/4, northwest 1/4, north 1/2 of southwest 1/4, section 22; northeast 1/4 of northwest 1/4, Government Lots 1 and 2, section 28, T79, R16W, Ottawa county.

History: 1979 AC.

**R 281.405 Golden--Benona--Claybanks sand dune area; Oceana county.**

Rule 5. The following described area is designated as a sand dune area under the designation of the Golden--Benona--Claybanks sand dune area: Government Lot 3, section 5; entire section 7; west 1/2 of northeast 1/4, Government Lots 1, 2, and 3, southwest 1/4 of southwest 1/4, east 1/2 of southwest 1/4, west 1/2 of southeast 1/4, section 8; entire sections 17, 18, and 19; north 1/2, Government Lots 1 and 2, northeast 1/4 of southwest 1/4, northwest 1/4 of southeast 1/4, section 20; west 1/2, section 30; north 1/2 of Government Lot 4, section 31, T15N, R18W; entire sections 13, 24, 25, 26, and 35; entire section 36 except east 1/2 of southeast 1/4, T15N, R19W; west 1/2 of northeast 1/4, northwest 1/4, north 1/2 of southwest 1/4, southwest 1/4 of southwest 1/4, section 1; entire sections 2 and 11; northwest 1/4 of northwest 1/4, south 1/2 of northwest 1/4, southwest 1/4, southwest 1/4 of southeast 1/4, section 12; entire section 13 except east 1/2 of northeast 1/4; entire sections 24 and 25, T14N, R19W; southwest 1/4 of northwest 1/4, west 1/2 of southwest 1/4, southeast 1/4 of southwest 1/4, section 19; entire section 30 except northeast 1/4 of northeast 1/4; entire section 31; southwest 1/4 of northwest 1/4, Government Lots 3 and 4, section 32, T14N, R18W; Government Lots 2, 3, and 4, southwest 1/4, west 1/2 of southeast 1/4, section 5; entire section 6; west 1/2 of northeast 1/4, Government Lots 1, 2, and 3, northwest 1/4 of southeast 1/4 section 8, T13N, R18W, Oceana county.

History: 1979 AC.

**R 281.406 Grant--Hamlin--Pere Marquette sand dune area; Mason county.**

Rule 6. The following described area is designated as a sand dune area under the designation of the Grant--Hamlin--Pere Marquette sand dune area: South 1/4, section 13; entire sections 14, 23, and 24; entire section 25 except southeast 1/4 of southeast 1/4; entire sections 26, 27, 28, 32, 33, and 34; entire section 35 except southeast 1/4 of southeast 1/4, north 1/2 of northwest 1/4, southwest 1/4 of northwest 1/4, section 36, T20N, R18W, Government Lot 1, section 2; Government Lots 1, 2, 3, 4, and 5, section 3; north fractional 1/2, Government Lots 1, 2, and 3, northwest 1/4 of southwest 1/4, section 4; entire sections 5, 6, 7, 8, 9, 17, 18, 19, 20, and 21; northwest fractional 1/4 of northwest fractional 1/4, south 1/2 of northwest fractional 1/4, southwest 1/4, southwest 1/4 of southeast 1/4, section 27; entire sections 28, 29, 30, 32, and 33; northwest 1/4 of northeast 1/4, south 1/2 of northeast 1/4, northwest 1/4, northwest 1/4 of southwest 1/4, southeast 1/4 of southeast 1/4, north 1/2 of southeast 1/4, section 34; southwest 1/4 of southwest 1/4 section 35, T19N, R18W; northwest 1/4 of northwest 1/4, section 2; northeast 1/4 of northeast 1/4, Government Lot 1, south 13.8 acres of Government Lot 2, section 3; entire sections 4, and 9; Government Lots 2 and 3, southwest 1/4 of northwest 1/4, section 10, T18N, R18W, Mason county.

History: 1979 AC.

**R 281.407 Hendricks--Moran sand dune area; Mackinac county.**

Rule 7. The following described area is designated as a sand dune area under the designation of the Hendricks--Moran sand dune area: Southeast 1/4 of southeast 1/4, section 25; east 1/4, section 36, T43N, R8W; south 1/2 of southwest 1/4, section 27; south 1/4, section 28; south 1/4, section 29; south 1/4, section 30; entire sections 31, 32, 33, and 34; southwest 1/4 of northwest 1/4, southwest 1/4, northwest 1/4 of southeast 1/4, south 1/2 of southeast 1/4, section 35; south 1/2 of southwest 1/4, southwest 1/4 of southeast 1/4, section 36, T43N, R7W; entire sections 1, 2, 3, 4, and 5; northeast 1/4, Government Lot 1, section 6; entire sections 7, 8, 9, 10, 11, 12, and 13, T42N, R7W; southwest 1/4 of southwest 1/4, section 5; south 1/2 of northwest 1/4, southwest 1/4, northwest 1/4 of southeast 1/4, south 1/2 of southeast 1/4, section 6; entire section 7; entire section 8 except north 1/2 of northeast 1/4; southwest 1/4 of northwest 1/4, south 1/2, section 9; southwest 1/4, south 1/2 of southeast 1/4, section 10; southwest 1/4 of southwest 1/4, section 11; southwest of northwest 1/4, southwest 1/4, southwest 1/4 of southeast 1/4, section 13; entire section 14 except north 1/2 of northeast 1/4; entire sections 15, 16, 17, 18, 19, 20, 21, 22, and 23; entire section 24 except east 1/2 of northeast 1/4; entire sections 25, 26, and 36, T42N, R6W; Government Lots 3, 4, and 5, west fractional 1/2 of northwest fractional 1/4, southwest fractional 1/4 of southwest fractional 1/4, section 19; entire sections 30, 31, 32, and 33, T42N, R5W; entire sections 3, 4, 5, 6, 8, and 10; southwest 1/4 of southeast 1/4, of southeast 1/4, section 11; entire sections 14, 15, 16, and 22; north 1/2, north 1/2 of southwest 1/4, southwest 1/4 of southwest 1/4, north 40 acres of Government Lot 1, north 40 acres of Government Lot 2, Government Lot 3, section 23; entire sections 26 and 27, T41N, R5W, Mackinac county.

History: 1979 AC.

**R 281.408 Grand Haven--Port Sheldon--Park sand dune area; Ottawa county.**

Rule 8. The following described area is designated as a sand dune area under the designation of the Grand Haven--Port Sheldon--Park sand dune area: West fractional 1/2 of northwest fractional 1/4, west 1/2 of southwest 1/4, fractional section 2; entire fractional sections 3, 4, and 9; entire section 10; west 1/2 of northwest 1/4, west 1/2 of southwest 1/4, section 11; northwest 1/4 of northwest 1/4, section 14; section 15; north 1/4 of fractional section 16, T5N, R16W; entire fractional sections 3, 4, 9, and 10; southwest 1/4 of southwest 1/4, section 11; west 1/2 of northwest 1/4, west 1/2 of southwest 1/4, section 14; entire fractional sections 15, 16, 21, and section 22; west 1/2 of northwest 1/4, west 1/2 of southwest 1/4, section 23; west 1/2 of northwest 1/4, west 1/2 of southwest 1/4, section 26; entire section 27; entire fractional sections 28 and 33; entire section 34; west 1/2 of northwest 1/4, west 1/2 of southwest 1/4, section 35, T6N, R16W; southwest 1/4 of southwest 1/4, section 27; southwest fractional 1/4, south 1/2 of southeast 1/4, fractional section 28; entire fractional section 33; northwest 1/4, west 1/2 of northwest 1/4, southwest 1/4, southeast 1/4, section 34, T7N, R16W, Ottawa county.

History: 1981 AACS.

**R 281.409 Pentwater--Summit sand dune area; Oceana and Mason counties.**

Rule 9. The following described area is designated as a sand dune area under the designation of the Pentwater--Summit sand dune area: West 3/4 of fractional section 1; entire sections 2 and 11; west 1/2, southeast 1/4, west 1/2 of northeast 1/4 of section 12; north 1/4 of section 13; north 1/2 of northeast 1/4, southwest 1/4 of northeast 1/4, east 1/2 of northwest 1/4, government lots 1, 2, 3, and 4, northeast 1/4 of southwest 1/4, northwest 1/4 of southeast 1/4, section 14; entire sections 15 and 22; government lots 1, 3, and 4, west 1/2 of southwest 1/4, southeast 1/4 of southwest 1/4, section 23; northwest 1/4 of northwest 1/4 of section 26; entire section 27; government lot 1 section 33; northwest 1/4 of northeast 1/4, northwest 1/4, section 34, T16S, R18W, Oceana county.

West fractional 1/4 of section 30, T17N, R17W; northwest 1/4 of northeast 1/4, south 1/2 of northeast 1/4, government lots 1, 2, 3, and 4, southeast 1/4, section 23; south 1/2 of northeast 1/4, south 1/2, section 24; entire sections 25, 26, 35, and 36, T17N, R18W, Mason county.

History: 1981 AACS.

**R 281.410 Onekama--Manistee sand dune area; Manistee county.**

Rule 10. The following described area is designated as a sand dune area under the designation of the Onekama--Manistee sand dune area: Northwest fractional 1/4 of northwest fractional 1/4, fractional section 3; north fractional 1/2 of northeast fractional 1/4, southeast 1/4 of northeast fractional 1/4, north fractional 1/2 of northwest fractional 1/4, southeast 1/4 of northwest fractional 1/4, fractional section

4; entire section 5; entire section 7; east 1/2 of northeast 1/4, southwest 1/4 of northeast 1/4, government lots 1 and 2, south 1/2 of northwest 1/4, southwest 1/4, north 1/2 of southeast 1/4, section 8; northwest 1/4 of southwest 1/4, section 9; northwest 1/4, north 1/2 of southwest 1/4, government lots 1 and 2, section 17; entire section 18; government lots 1, 2, 3, and 4, section 19, T22N, R16W; northeast fractional 1/4, government lot 1, section 24, T22N, R17W; west 1/2 of southwest 1/4, section 14; south 1/2 of northeast 1/4, south 1/2 of northwest 1/4, northwest 1/4 of northwest 1/4, southwest 1/4, southeast 1/4, section 15; entire fractional section 16; entire section 21; northwest 1/4, northwest 1/4, government lot 1, north 1,320 feet of government lot 2, and north 1,320 feet of government lot 3, northeast 1/4 of southeast 1/4, section 22; west 1/2 of northwest 1/4, section 23; entire fractional section 27; entire fractional sections 28 and 32; entire section 33; government lots 1, 2, and 3, southwest 1/4 of southwest 1/4, section 34, T23N, R16W; Manistee county.

History: 1981 AACCS.

**R 281.411 Sleeping Bear Dunes sand dune area; Benzie and Leelanau counties.**

Rule 11. The following described area is designated as a sand dune area under the designation of the Sleeping Bear Dunes sand dune area: South 1/2 of northeast 1/4, northwest fractional 1/4 of northwest fractional 1/4, south 1/2 of northwest fractional 1/4, southwest 1/4, southwest 1/4 of southeast 1/4, north 1/2 of southeast 1/4, section 2; entire sections 3 and 10; northwest 1/4 of northeast 1/4, south 1/2 of northeast 1/4, northwest 1/4, southwest 1/4 of southeast 1/4, section 11; west 1/2 of northwest 1/4, west 1/2 of southwest 1/4, section 13; entire sections 14, 15, and 22; government lots 1, 2, 3, southeast 1/4 of northeast 1/4, southwest 1/4, southwest 1/4 of southeast 1/4, north 1/2 of southeast 1/4, section 23; west 1/2 of northwest 1/4, section 24; west 1/2, section 26; entire section 27; government lots 1 and 2, east 1/2 of northeast 1/4, section 34; west 1/2 of northwest 1/4, section 35, T25N, R16W; fractional section 3; entire sections 4 and 9; government lot 4, west 1/2 of southwest 1/4, section 15; entire fractional sections 16 and 21; entire section 22; west 1/2 of northwest 1/4, section 23; government lots 1, 5, 6, 7, and 8, section 27; entire fractional sections 28 and 34; government lot 2, except east 1,320 feet, west 1/2 of southwest 1/4, section 35, T26N, R16W; northwest fractional 1/4, southwest fractional 1/4, north 1/2 of southeast 1/4, southwest 1/4 of southeast 1/4, fractional section 7; northeast fractional 1/4, northeast 1/4 of southwest fractional 1/4, west fractional 1/2 of southwest fractional 1/4, section 18; northwest fractional 1/4 of northwest fractional 1/4, fractional section 19, T27N, R14W; government lots 1, 2, 3, and 4, northwest fractional 1/4 of northeast fractional 1/4 of southwest 1/4 of northeast fractional 1/4, west 1/2 of southeast 1/4, fractional section 1; entire sections 11, 12, 13, 14, 19, 20, 21, 22, and 23; northeast 1/4, northwest 1/4, southwest 1/4, north 1/2 of southeast 1/4, southwest 1/4 of southeast 1/4, section 24; north 1/2 of northwest 1/4, north 1,320 feet of government lot 1, section 25; northeast 1/4, northwest 1/4, southwest 1/4, northwest 1/4 of southeast 1/4, section 26; northeast 1/4, northwest 1/4, government lots 2, 3, and 4, section 27; north 1/2 of northeast 1/4, except Mud lake, section 28;

north 1/2 of northeast 1/4, southwest 1/4 of northeast 1/4, northwest 1/4, southwest 1/4, section 29; entire fractional section 30; east 1/2 of northeast 1/4, northwest 1/4 of northeast 1/4, north fractional 1/2 of northwest fractional 1/4, government lots 1, 2, 3, and 4, section 31; north 1/2 of northwest 1/4, southwest 1/4 of northwest 1/4, government lot 1, section 32, T27N, R15W; entire sections 25, 26, 27, 33, and 34; northeast 1/4, north 1/2 of northwest 1/4, southeast 1/4 of northwest 1/4, section 35; government lot 1, northwest 1/4 of northeast 1/4, northwest 1/4, southwest 1/4, section 36, T27N, R16W; Benzie county.

Northwest fractional 1/4, fractional section 6; entire fractional section 7; northwest 1/4, southwest 1/4, section 8; northwest 1/4, northwest 1/4, of southwest 1/4, section 17; northeast 1/4, northwest fractional 1/4, southwest fractional 1/4, north 1/2 of southeast 1/4, fractional section 18; south 1/2 of northeast 1/4, northwest fractional 1/4 of northwest fractional 1/4, south fractional 1/2 of northwest fraction 1/4, southwest fractional 1/4, southeast 1/4, fractional section 19; northwest 1/4, southwest 1/4, section 20; north 1/2 of northwest 1/4, southwest 1/4 of northwest 1/4, northwest 1/4 of southwest 1/4, section 29, T28N, R14W; entire sections 1, 12, 13, and 24; northeast 1/4, government lots 1, 2, 3, and 4, east 1/2 of southwest 1/4, southwest 1/4 of southeast 1/4, north 1/2 of southeast 1/4, section 25; west 1/4 of northeast 1/4, east 1/2 of northwest 1/4, government lots 1, 2, 3, and 4, west 1/2 of southeast 1/4, section 36, T28N, R15W; northwest fractional 1/4 of northwest fractional 1/4, fractional section 5; northeast fractional 1/4 of northeast fraction 1/4, 1/2 of northeast fractional 1/4, government lots 1, and 2, south fractional 1/2 of northwest fractional

1/4, southwest fractional 1/4, northwest 1/4 of southeast 1/4, fractional section 6; north fractional 1/2 of northwest fractional 1/4, fractional section 7, T29N, R12W; entire sections 1, 2, 3, and 4; government lots 1, 2, 3, 6, and 7, southeast 1/4 of southeast 1/4, section 5; northeast 1/4, north 1/2 of northwest 1/4, southeast 1/4 of northwest 1/4, government lot 2, northeast 1/4 of southeast 1/4, section 9; northeast 1/4, northwest 1/4, north 1/2 of southwest 1/4, government lots 2 and 3, section 10; entire section 11; northeast 1/4, north 1/2 of northwest 1/4, government lots 1, 2, and 3, northwest 1/4 of southeast 1/4, section 12; northwest fractional 1/4 of northwest 1/4 section 13; government lots 1, 2, 3, northeast 1/4 of southwest 1/4, section 14, T29N, R13W; fractional section 17; entire section 18; entire fractional section 19; entire section 20; government lot 4, section 21; northwest 1/4 of northwest 1/4, south 1/2 of northwest 1/4, west 1,320 feet of government lot 3, west 1/2 of southwest 1/4, northeast 1/4 of southwest 1/4, section 27; entire sections 28 and 29; entire fractional section 30; fractional northeast 1/4, fractional northwest 1/4, fractional southwest 1/4, northwest 1/4 of southeast 1/4,

fractional section 31; government lot 1, section 32; northeast 1/4, east 1/2 of northwest 1/4, northwest 1/4 of northwest 1/4, government lots 1, 2, and the north 1,320 feet of government lot 3, northeast 1/4 of southeast 1/4, section 33; northwest 1/4 of northwest 1/4, government lots 1, 2, and 3, section 34, T29N, R14W; entire sections 24, 25, and 36, T29N, R15W; entire section 31; government lot 2, west 1/2 of southwest 1/4, section 32 T30N, R12W; government lots 1, 2, 3, 4, 5, and 6, south 1/2 of northeast 1/4, south 1/2 of northwest 1/4; northeast 1/4 of southwest fractional 1/4, north 1/2 of southeast 1/4, section 31; entire sections 32 and 33, T30N, R13W; government lots 1

and 2, section 36, T30N, R14W; entire fractional section 3; entire section 4; entire fractional sections 5, 6, 7, 8, 9, 10, 11, T30N, R15W; entire fractional sections 26, 27, 28, 29, and 32; entire section 33; entire fractional sections 34 and 35, T31N, R15W; government lot 4, section 3; government lot 1, except west 1,320 feet, government lots 2, 3, and 4, section 10; entire section 15; south 1/2 of southeast 1/4, southwest 1/4, section 16, southwest 1/4 of northeast 1/4, northwest 1/4, northeast 1/4 of southwest 1/4, government lots 1 and 2, southeast 1/4, section 17; entire sections 18, 20, 21, and 22; entire fractional sections 23 and 27; entire section 28, T31N, R14W; government lot 4, west 1/2 of southwest 1/4, section 19; northeast 1/4, west 1/2 of southwest 1/4, section 30; west 1/2 of northwest 1/4, section 31, T32N, R14W; entire fractional sections 24 and 25; east 1/2 of northeast 1/4, government lots 1, 2, and 3, northeast 1/4 of southeast 1/4, section 36, T32N, R15W; Leelanau county.

History: 1981 AACS.

**R 281.412 Leelanau--Leland sand dune area; Leelanau county.**

Rule 12. The following described area is designated as a sand dune area under the designation of the Leelanau--Leland sand dune area: Government lot 4, section 18; northwest fractional 1/4, southwest fractional 1/4, fractional section 19; west fractional 1/2 of northwest fractional 1/4, section 30, T31N, R11W; entire fractional section 13; entire sections 24, 25, 26, and 27; government lots 1, 2, 6, and 7, section 34; north 1/2 of northeast 1/4, government lots 1 and 2, section 35; northwest 1/4 of northwest 1/4, section 36, T31N, R12W; government lot 1, section 6; southwest 1/4 of northeast 1/4, east 1/2 of northwest 1/4, government lots 1 and 2, southwest fractional 1/4, west 1/2 of southeast 1/4, southeast 1/4 of southeast 1/4, fractional section 7; northeast 1/4, northwest fractional 1/4, southwest fractional 1/4, northwest 1/4 of southeast 1/4, section 18; northeast 1/4 of northwest 1/4, government lot 1, section 19, T32N, R10W; entire fractional sections 12, 13, 14, 15, and 16; government lot 1, section 21; east 1/2 of northeast 1/4, section 22; northeast 1/4, government lots 1, 2, and 3, southwest 1/4 of northwest 1/4, north 1/2 of southwest 1/4, section 23; government lots 1 and 2, northwest 1/4, northeast 1/4 of southwest fractional 1/4, fractional section 24, T32N, R11W; Leelanau county.

History: 1981 AACS.

**R 281.413 Wawatam--Bliss--Cross Village--Readmond said dune area; Emmet county.**

Rule 13. The following described area is designated as a sand dune area under the designation of the Wawatam--Bliss--Cross Village--Readmond sand dune area: Northwest fractional 1/4 of northwest fractional 1/4 of section 3; northeast fractional 1/4 of northeast fractional 1/4, northwest fractional 1/4 of northeast fractional 1/4, southwest 1/4 of northeast fractional 1/4, northwest fractional 1/4, southwest 1/4, northwest 1/4 of southeast 1/4 of section 4; south 1/2 of northeast 1/4, government lots 1, 2, 3, and 4, southwest 1/4, section 5; north 1/2 of northeast 1/4, government



lots 1 and 2, section 8; northwest 1/4 of northwest 1/4, section 9, T37N, R6W; entire fractional sections 13, 23, and 24; government lots 1, 2, and 3, northeast 1/4 of northeast 1/4, northwest 1/4, section 25; entire fractional sections 26, 27, 32, and 33; government lots 1, 2, 3, and 4, southeast 1/4 of northeast 1/4, southwest 1/4, north 1/2 of southeast 1/4, section 34; northeast 1/4, northwest 1/4, northeast 1/4 of southwest 1/4, north 1/2 of southeast 1/4, section 35; northwest 1/4 of northeast 1/4, south 1/2 of northeast 1/4, northwest 1/4, north 1/2 of southwest 1/4, north 1/2 of southeast 1/4, section 36, T38N, R6W; northwest fractional 1/4 of northwest fractional 1/4, southwest 1/4 of northwest fractional 1/4, southwest 1/4, section 3; entire fractional sections 4, 5, and 8; north 1/2 of northwest 1/4, southwest 1/4 of northwest 1/4, section 9; north 1/2 of northwest 1/4, southeast 1/4 of northwest 1/4, section 10; northwest 1/4 of northeast 1/4, northwest 1/4, southwest 1/4, section 17; entire fractional sections 18 and 19; southwest 1/4 of northeast 1/4, northwest 1/4, southwest 1/4, northeast 1/4, of southeast 1/4, section 20; government lots 1 and 2, northwest fractional 1/4, section 30; southwest fractional 1/4 of northwest fractional 1/4, section 31, T38N, R5W; entire section 19; government lots 1, 2, 3, and 4, south 1/2 of southeast 1/4, section 20; entire fractional sections 21 and 23; government lots 2 and 3, section 24; west 1/2 of section 25; northeast 1/4, government lots 1 and 2, southeast 1/4 of northwest 1/4, north 1/2 of southwest 1/4, southeast 1/4, section 26; government lots 1, 2, and 3, except south 1,320 feet, northwest 1/4 of southeast 1/4, section 27; government lot 1, section 28; government lots 1 and 2, southwest 1/4 of southeast 1/4, section 29; entire section 30; northwest 1/4 of northeast 1/4, government lots 1, 2, 3, and 4, section 32; southwest 1/4 of northeast 1/4, southwest 1/4, southeast 1/4, section 33; southwest 1/4 of southwest 1/4, section 34; northeast 1/4, northeast 1/4 of southwest 1/4, north 1/2 of southeast 1/4, section 35; northwest 1/4 and north 1/2 of southwest 1/4, section 36, T39N, R5W; government lot 5, section 15; entire section 22; west 1/2 of northeast 1/4, northwest 1/4, northwest 1/4 of southwest 1/4, government lots 1, 2, and 3, section 23; northwest fractional 1/4, section 26; entire fractional section 27, except southwest 1/4 of southwest 1/4, T39N, R4W; Emmet county.

History: 1981 AACCS.