

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 AACS.

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 sand 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 AACs.