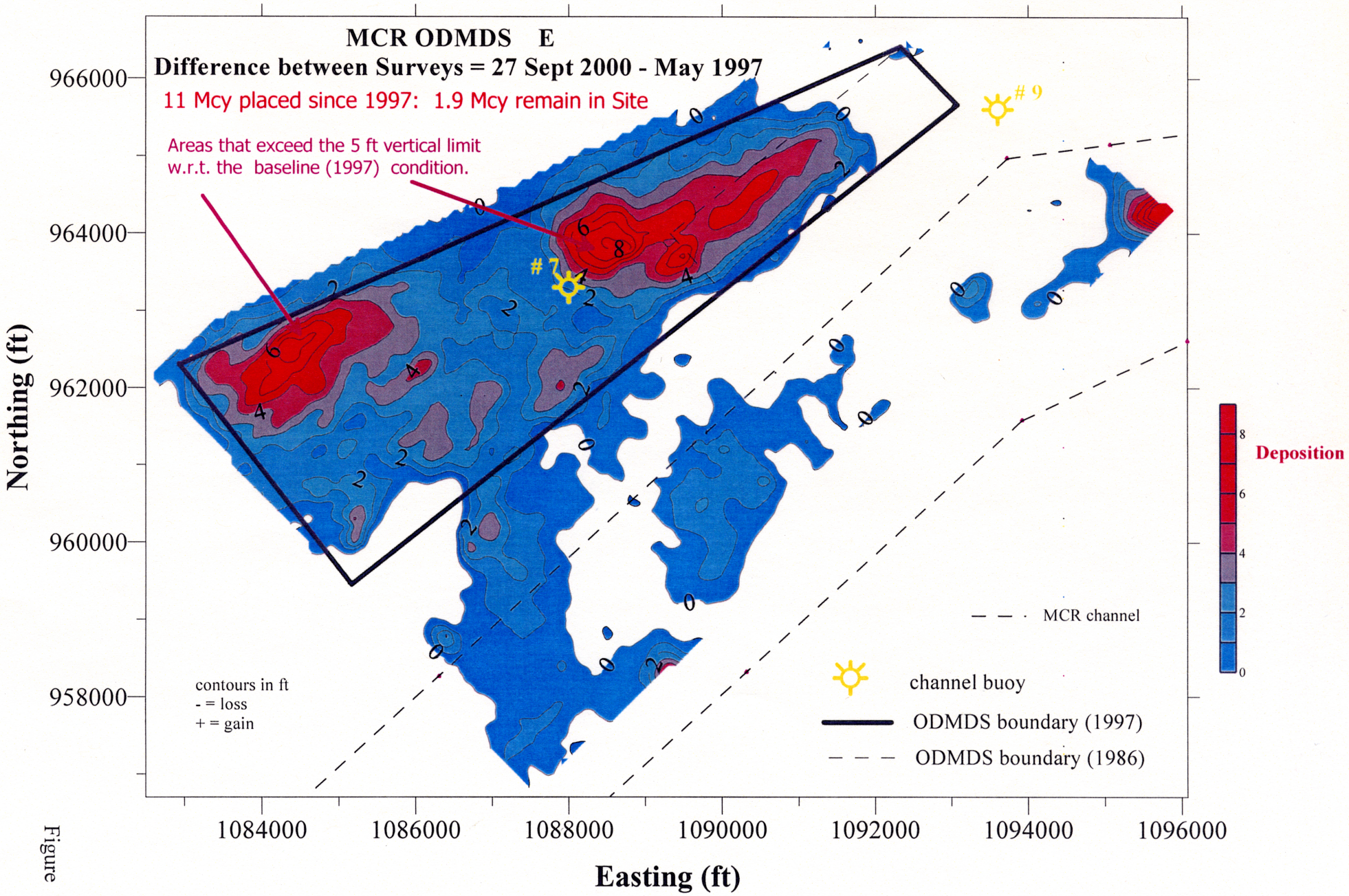
MCR ODMDS E
Difference between Surveys = 27 Sept 2000 - May 1997
11 Mcy placed since 1997: 1.9 Mcy remain in Site
Areas that exceed the 5 ft vertical limit
w.r.t. the baseline (1997) condition.
7
9
contours in ft
- = loss
+ = gain
MCR channel
channel buoy
ODMDS boundary (1997)
ODMDS boundary (1986)
Deposition
0
2
4
6
8
Northing (ft)
966000
964000
962000
960000
958000
Easting (ft)
1084000
1086000
1088000
1090000
1092000
1094000
1096000

Figure 11

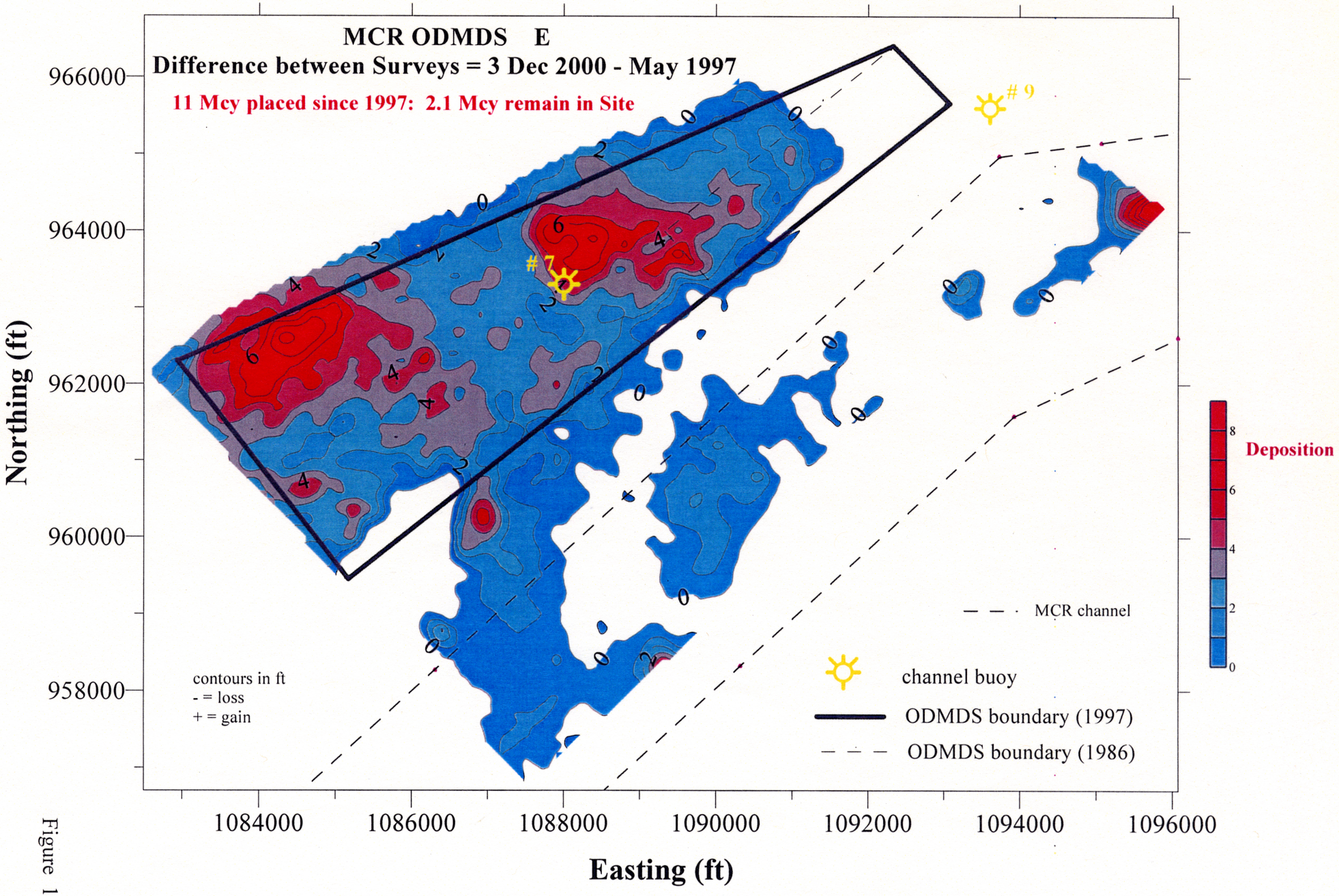
MCR ODMDS E
Difference between Surveys = 3 Dec 2000 - May 1997
11 Mcy placed since 1997: 2.1 Mcy remain in Site
Northing (ft)
Easting (ft)
966000
964000
962000
960000
958000
1084000
1086000
1088000
1090000
1092000
1094000
1096000
7
9
contours in ft
- = loss
+ = gain
MCR channel
channel buoy
ODMDS boundary (1997)
ODMDS boundary (1986)
Deposition
8
6
4
2
0

Figure 12

MCR Bathymetry 2000 within "Wave Analysis" Area

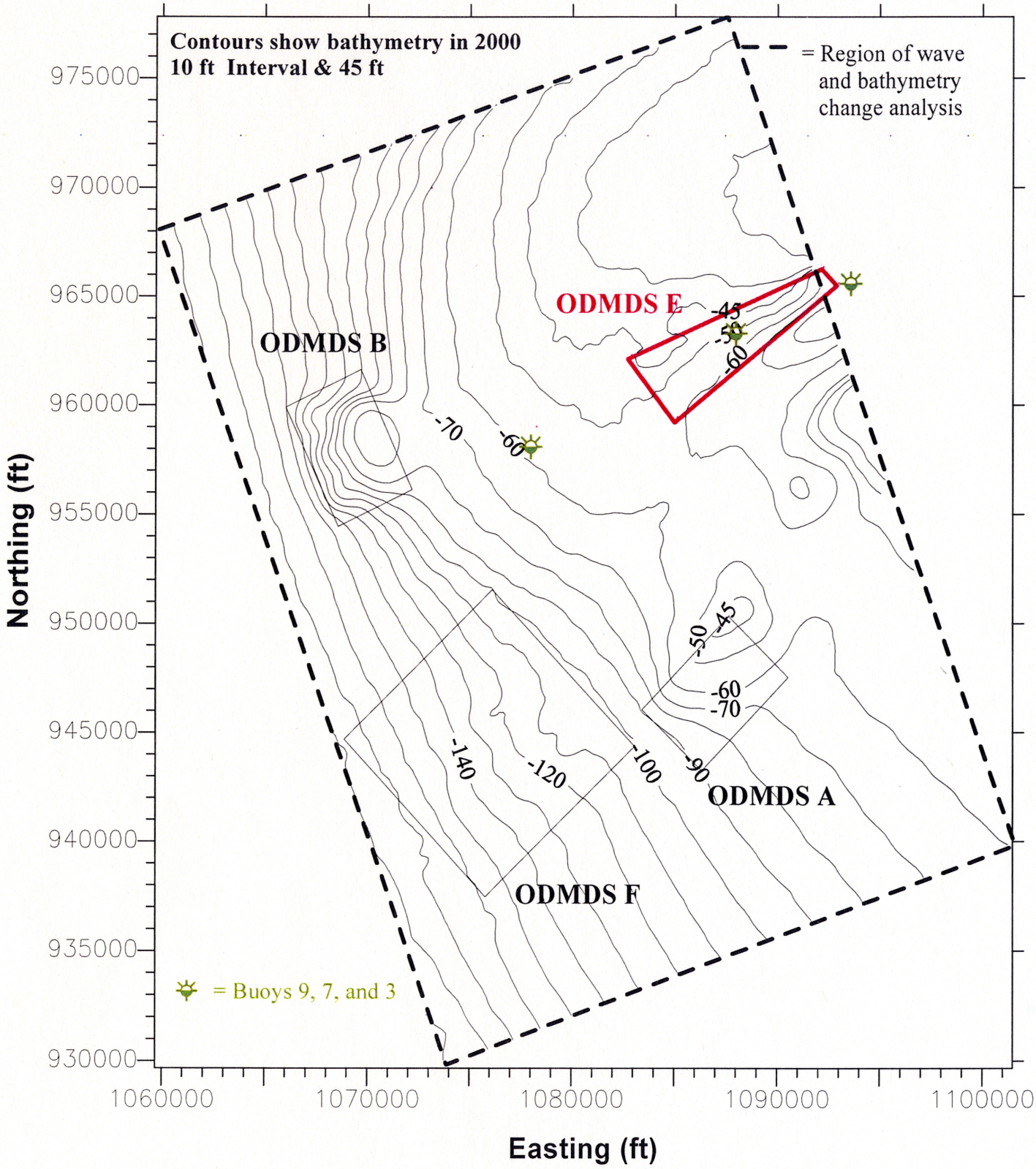

Figure 13

MCR Bathymetry Difference: 1997 - 2000 within "Wave Analysis Area"

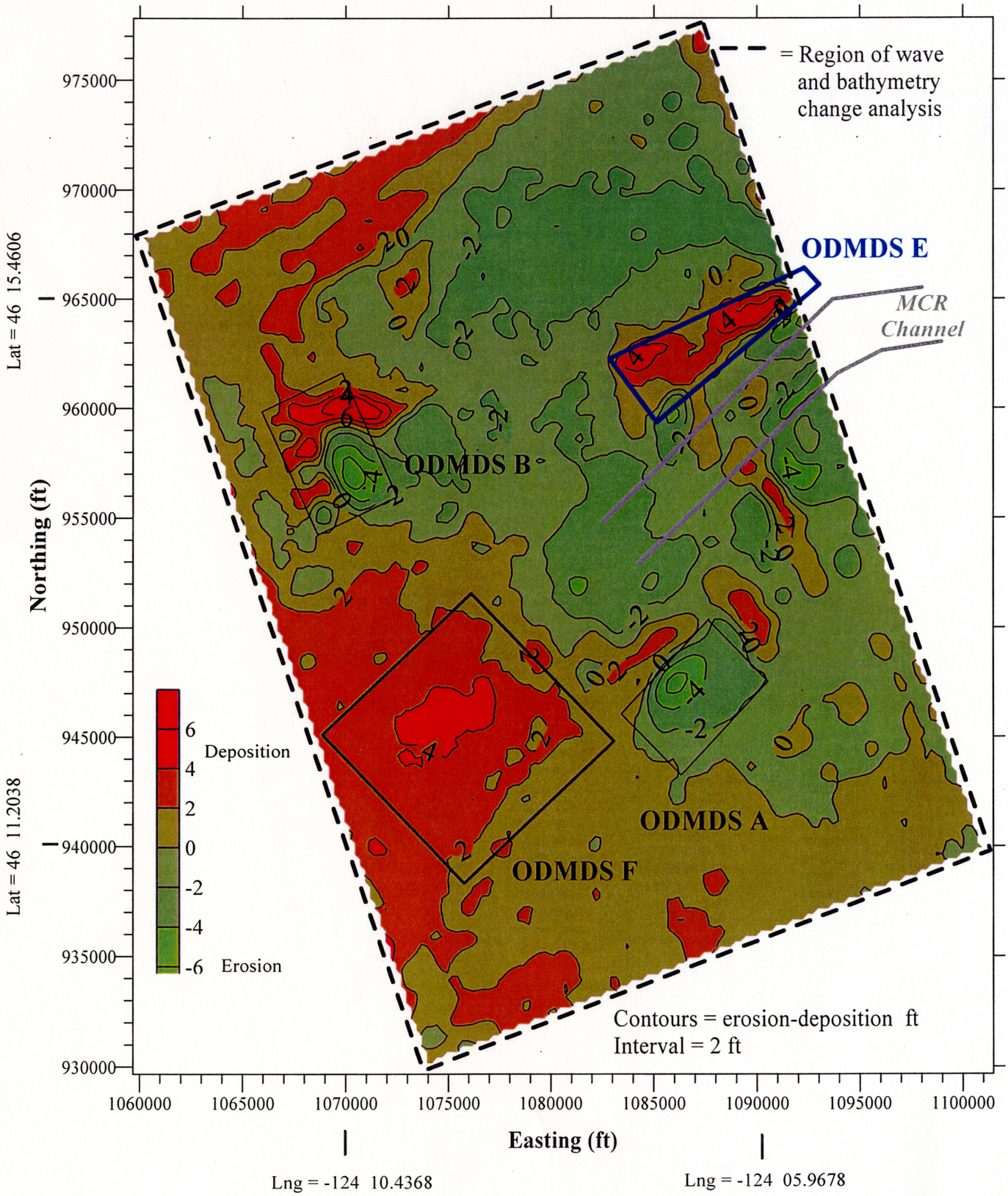

Figure 14

Predicted Wave Amplication due to Bathymetry Change during 1997 - 2000

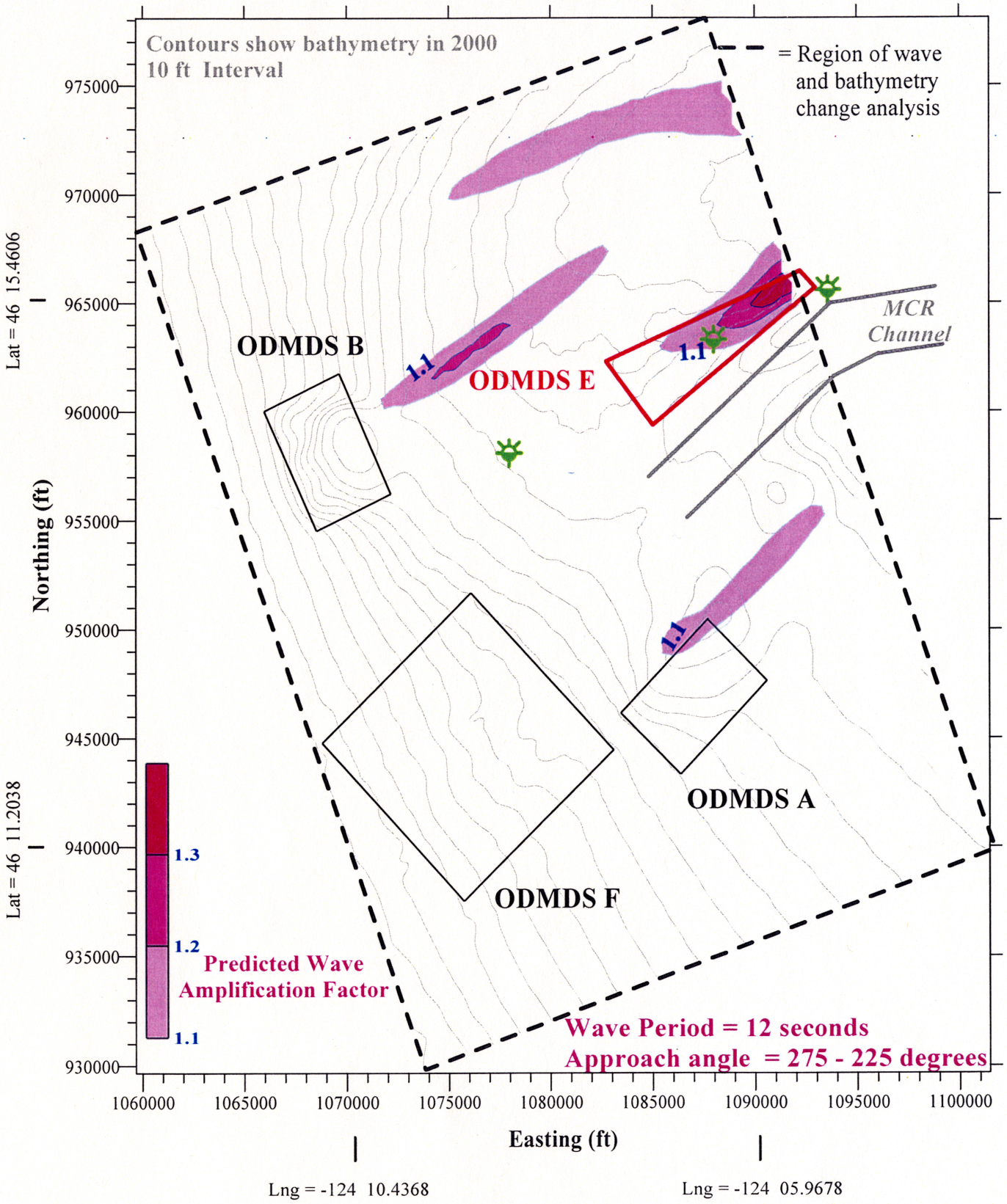

Figure 15

Predicted Locations for Wave Breaking within "Wave Analysis" Area

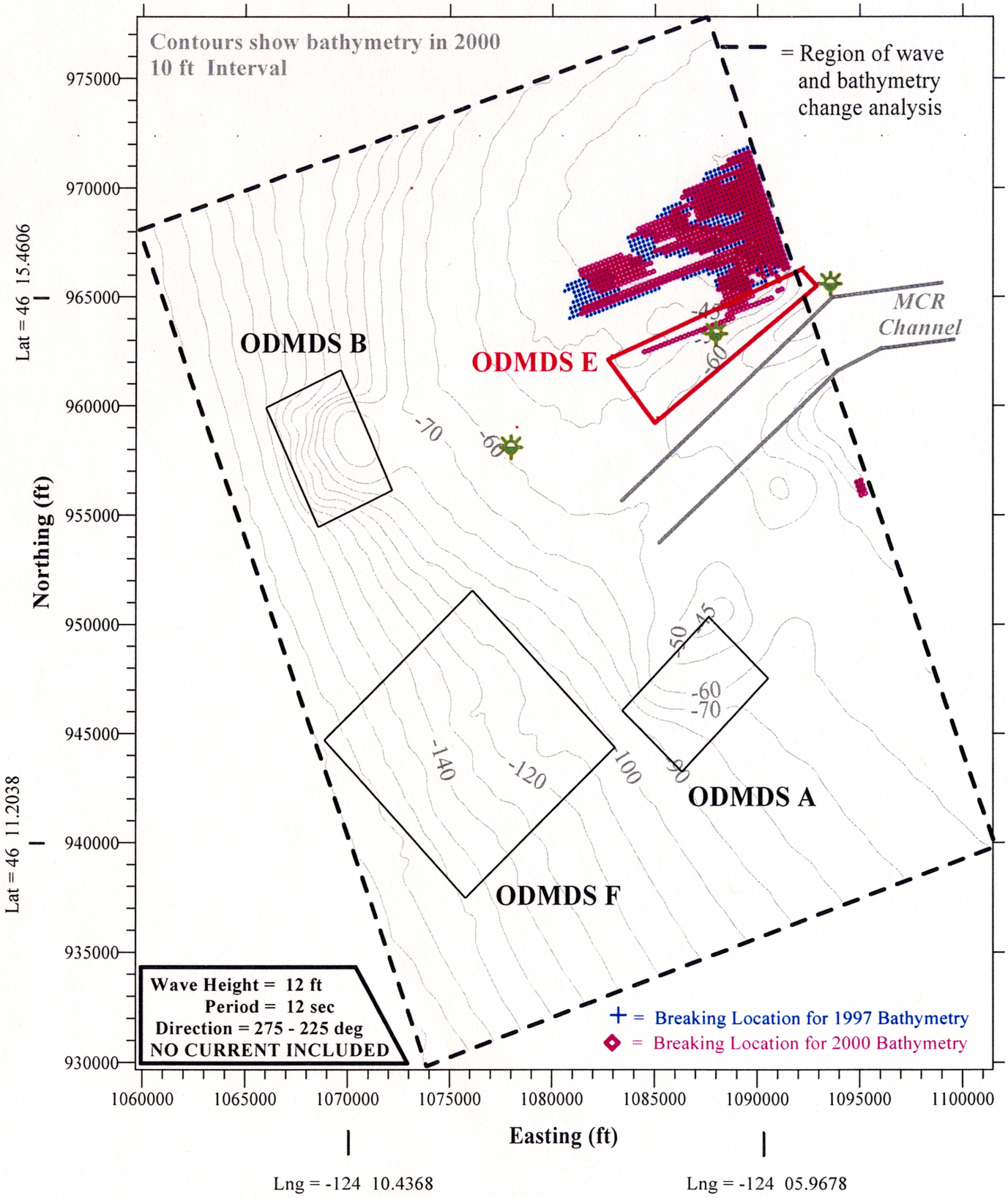

Figure 16

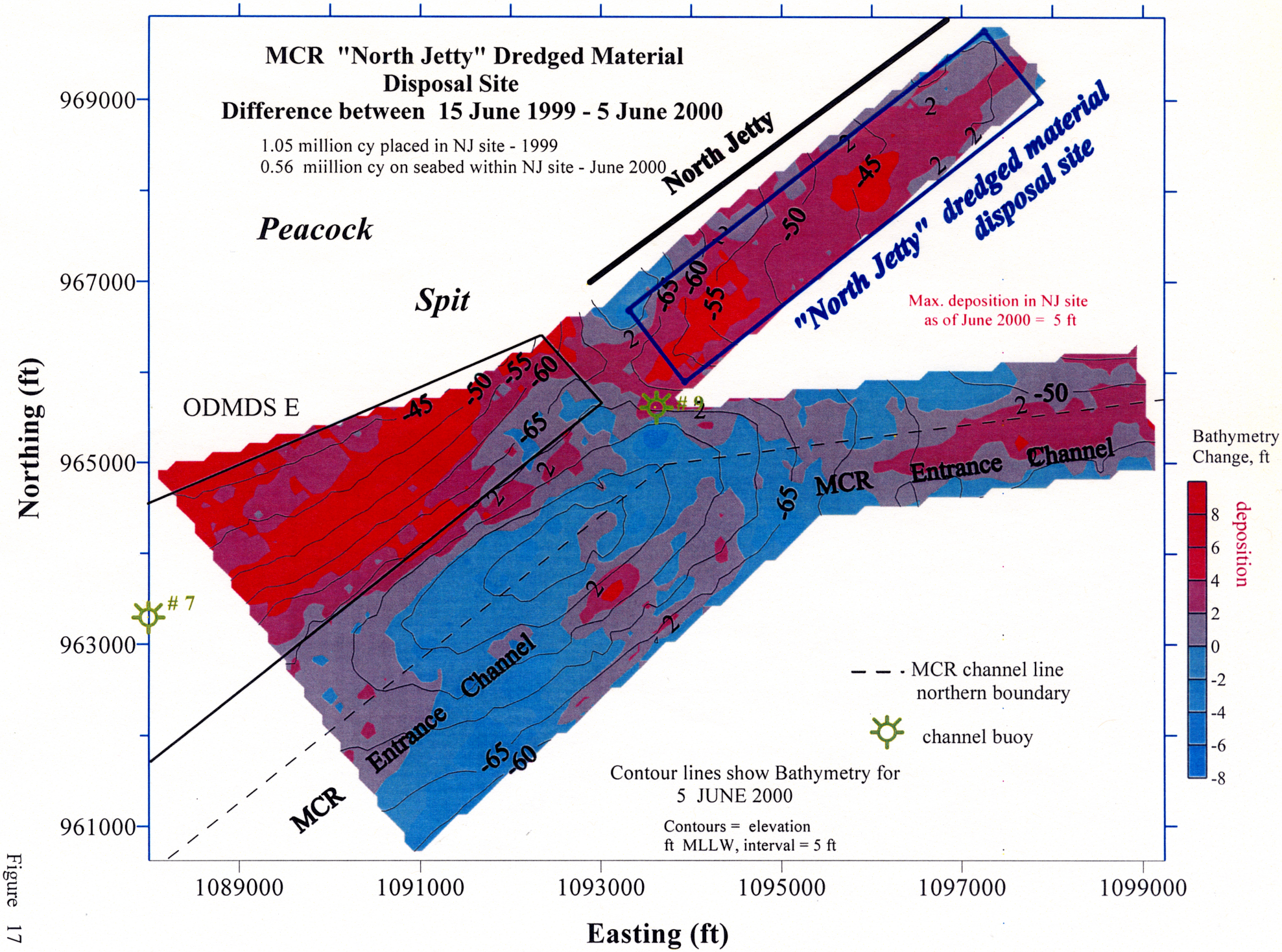
MCR "North Jetty" Dredged Material
Disposal Site
Difference between 15 June 1999 - 5 June 2000
1.05 million cy placed in NJ site - 1999
0.56 miillion cy on seabed within NJ site - June 2000
Peacock
Spit
North Jetty
"North Jetty" dredged material disposal site
Max. deposition in NJ site
as of June 2000 = 5 ft
ODMDS E
9
7
MCR Entrance Channel
MCR Entrance Channel
MCR channel line
northern boundary
channel buoy
Contour lines show Bathymetry for
5 JUNE 2000
Contours = elevation
ft MLLW, interval = 5 ft
Bathymetry
Change, ft
deposition
8
6
4
2
0
-2
-4
-6
-8
969000
967000
965000
963000
961000
Northing (ft)
1089000
1091000
1093000
1095000
1097000
1099000
Easting (ft)

Figure 17

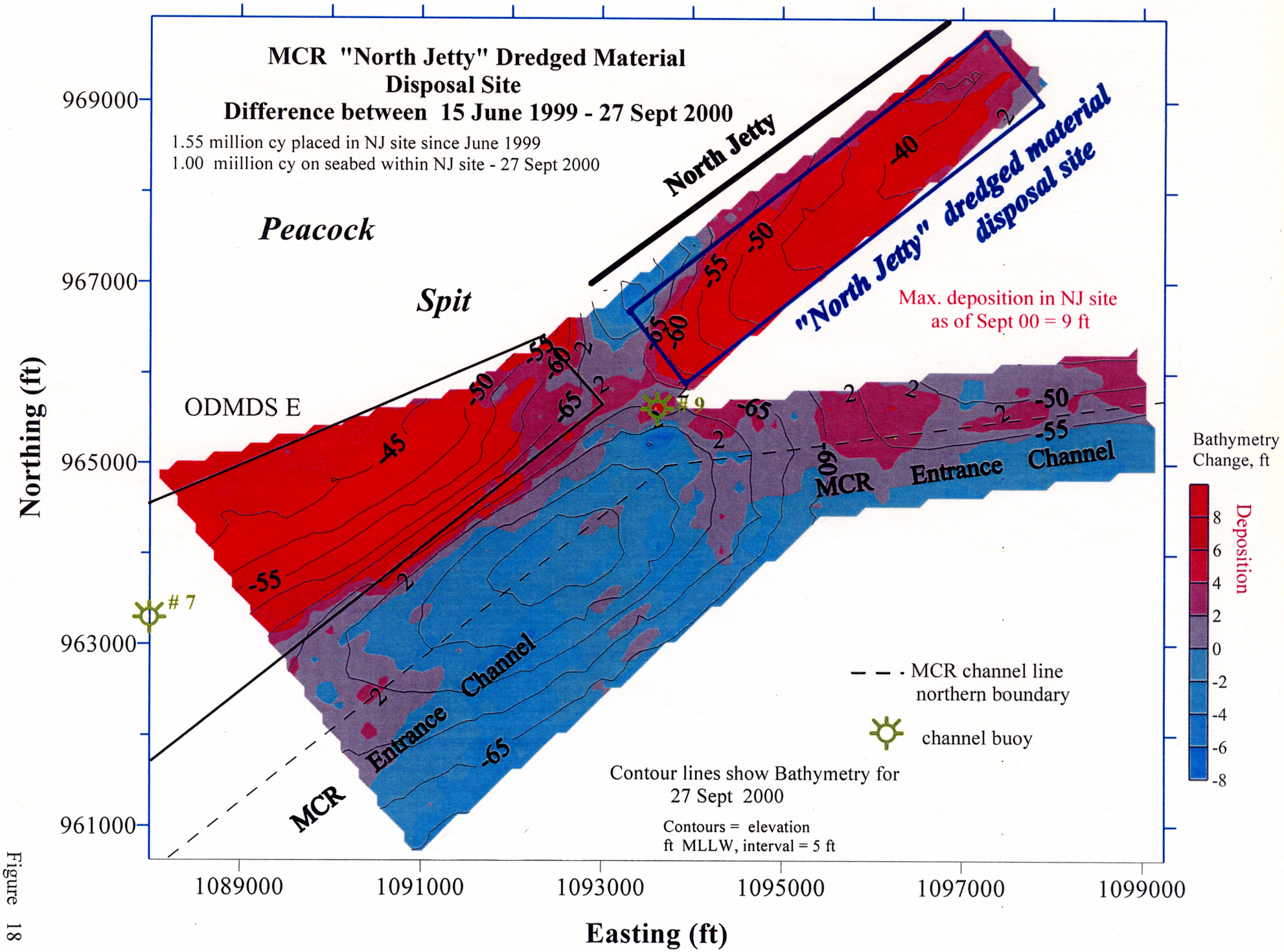
MCR "North Jetty" Dredged Material
Disposal Site
Difference between 15 June 1999 - 27 Sept 2000
1.55 million cy placed in NJ site since June 1999
1.00 miillion cy on seabed within NJ site - 27 Sept 2000
Peacock
Spit
North Jetty
"North Jetty" dredged material disposal site
Max. deposition in NJ site
as of Sept 00 = 9 ft
ODMDS E
9
7
MCR Entrance Channel
MCR channel line
northern boundary
channel buoy
Contour lines show Bathymetry for
27 Sept 2000
Contours = elevation
ft MLLW, interval = 5 ft
Bathymetry
Change, ft
Deposition
Northing (ft)
Easting (ft)
969000
967000
965000
963000
961000
1089000
1091000
1093000
1095000
1097000
1099000

Figure 18

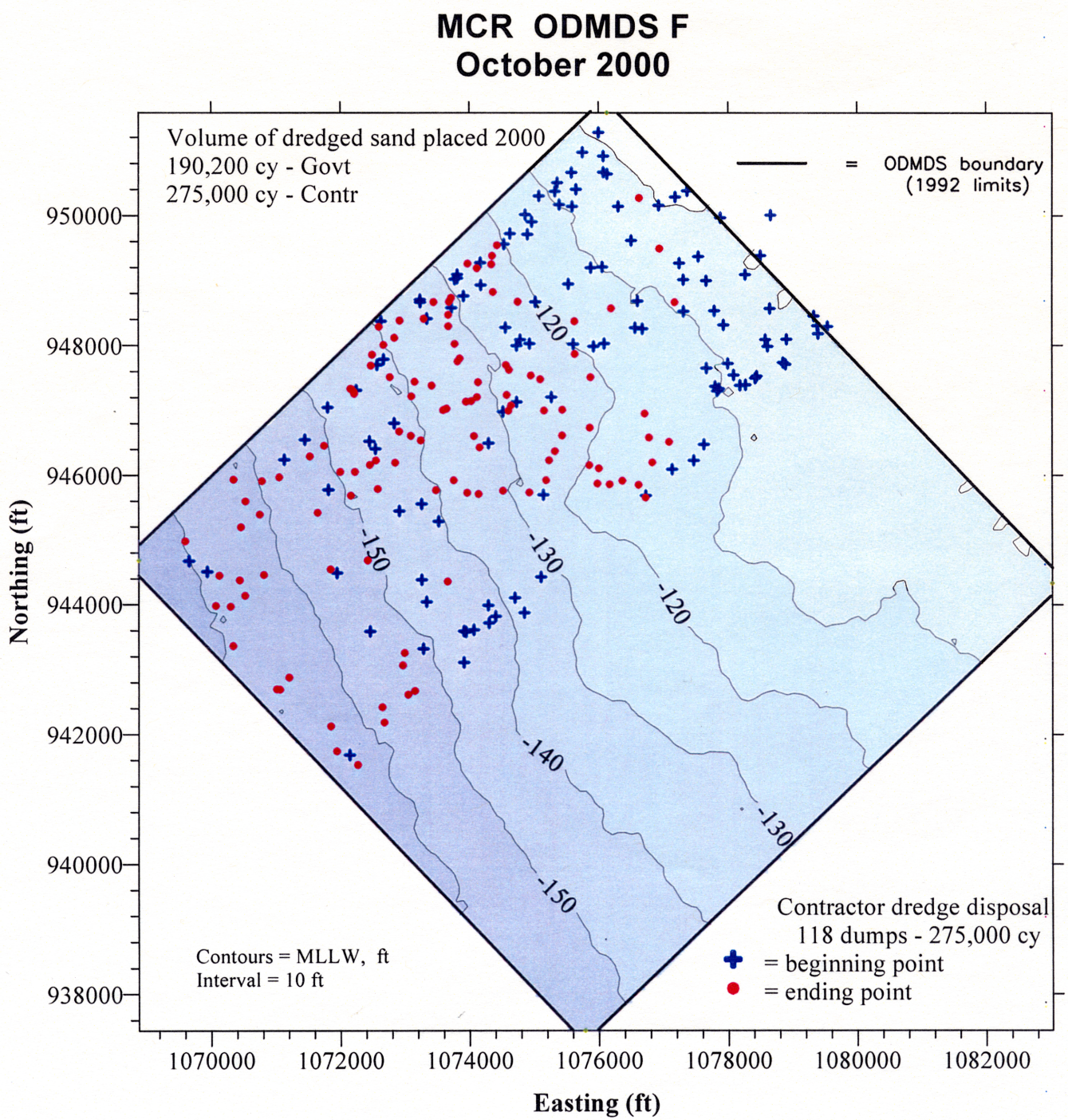
MCR ODMDS F
October 2000
Volume of dredged sand placed 2000
190,200 cy - Govt
275,000 cy - Contr
= ODMDS boundary
(1992 limits)
-120
-150
-130
-120
-140
-130
-150
Contours = MLLW, ft
Interval = 10 ft
Contractor dredge disposal
118 dumps - 275,000 cy
= beginning point
= ending point
950000
948000
946000
944000
942000
940000
938000
Northing (ft)
1070000
1072000
1074000
1076000
1078000
1080000
1082000
Easting (ft)

Figure 19

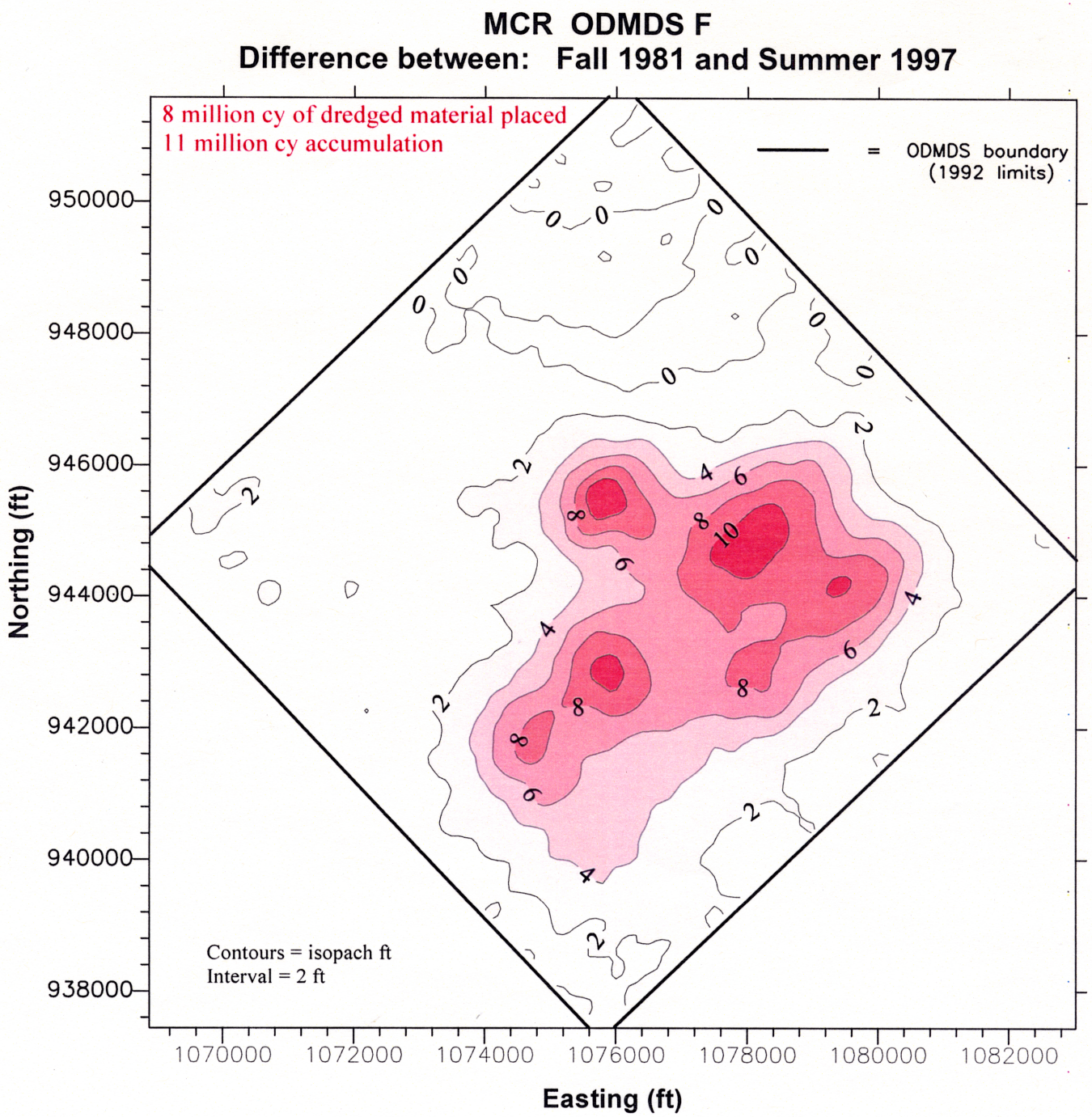
MCR ODMDS F
Difference between: Fall 1981 and Summer 1997
8 million cy of dredged material placed
11 million cy accumulation
= ODMDS boundary
(1992 limits)
Contours = isopach ft
Interval = 2 ft
Northing (ft)
950000
948000
946000
944000
942000
940000
938000
Easting (ft)
1070000
1072000
1074000
1076000
1078000
1080000
1082000

Figure 20

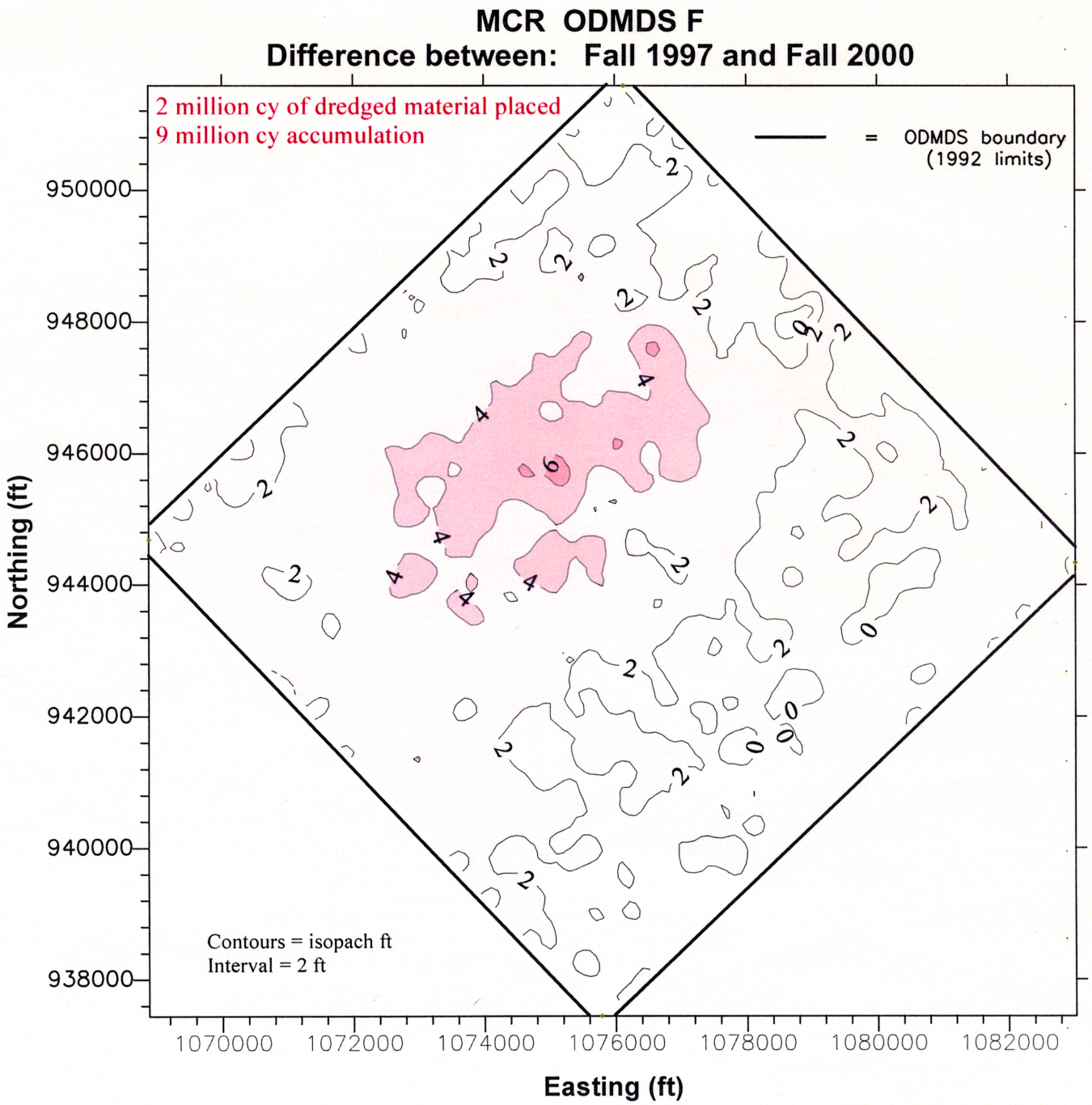
MCR ODMDS F
Difference between: Fall 1997 and Fall 2000
2 million cy of dredged material placed
9 million cy accumulation
= ODMDS boundary (1992 limits)
Contours = isopach ft
Interval = 2 ft
Northing (ft)
950000
948000
946000
944000
942000
940000
938000
Easting (ft)
1070000
1072000
1074000
1076000
1078000
1080000
1082000

Figure 21

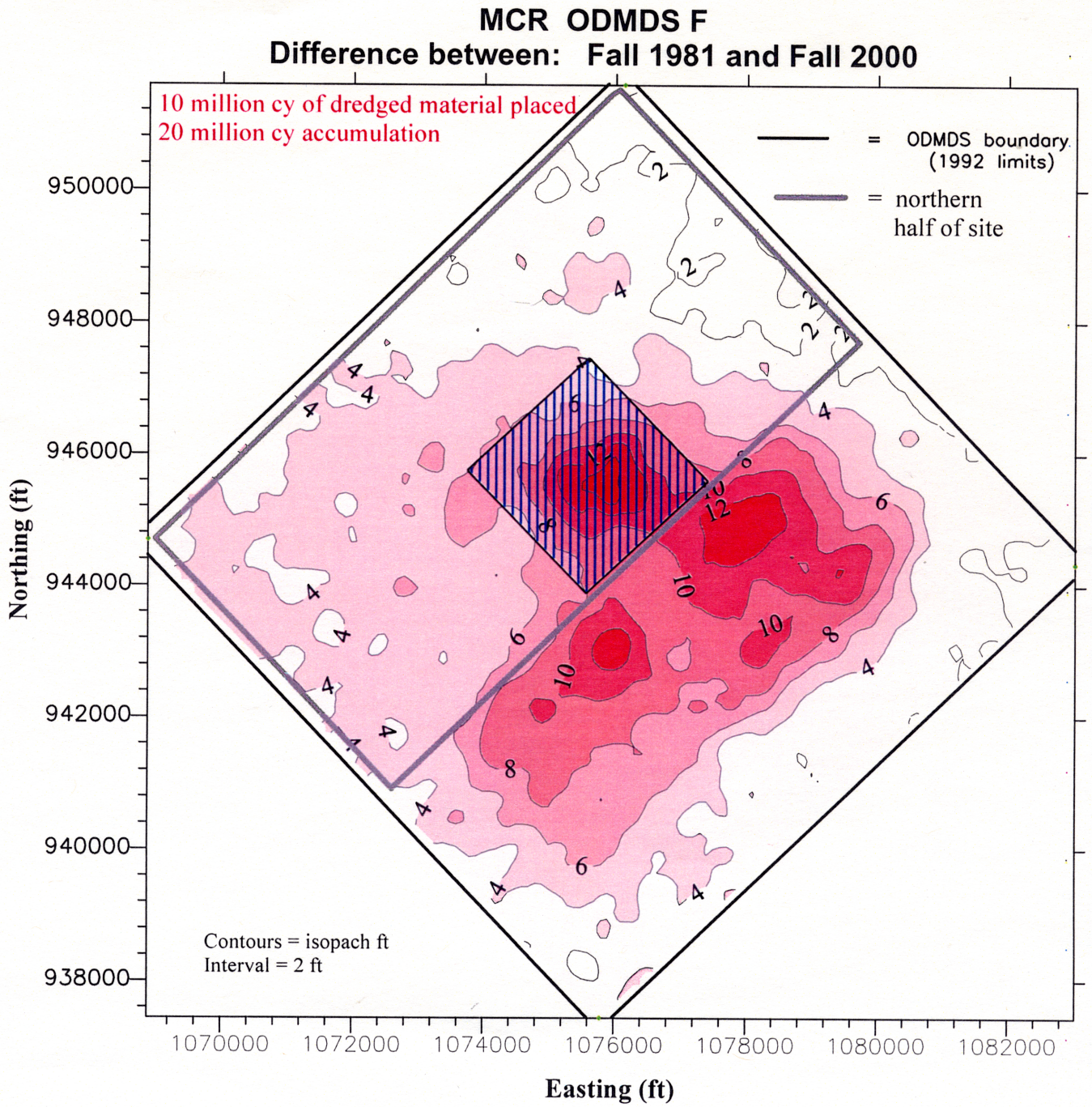
MCR ODMDS F
Difference between: Fall 1981 and Fall 2000
10 million cy of dredged material placed
20 million cy accumulation
= ODMDS boundary (1992 limits)
= northern half of site
Contours = isopach ft
Interval = 2 ft
Northing (ft)
Easting (ft)
950000
948000
946000
944000
942000
940000
938000
1070000
1072000
1074000
1076000
1078000
1080000
1082000

Figure 22

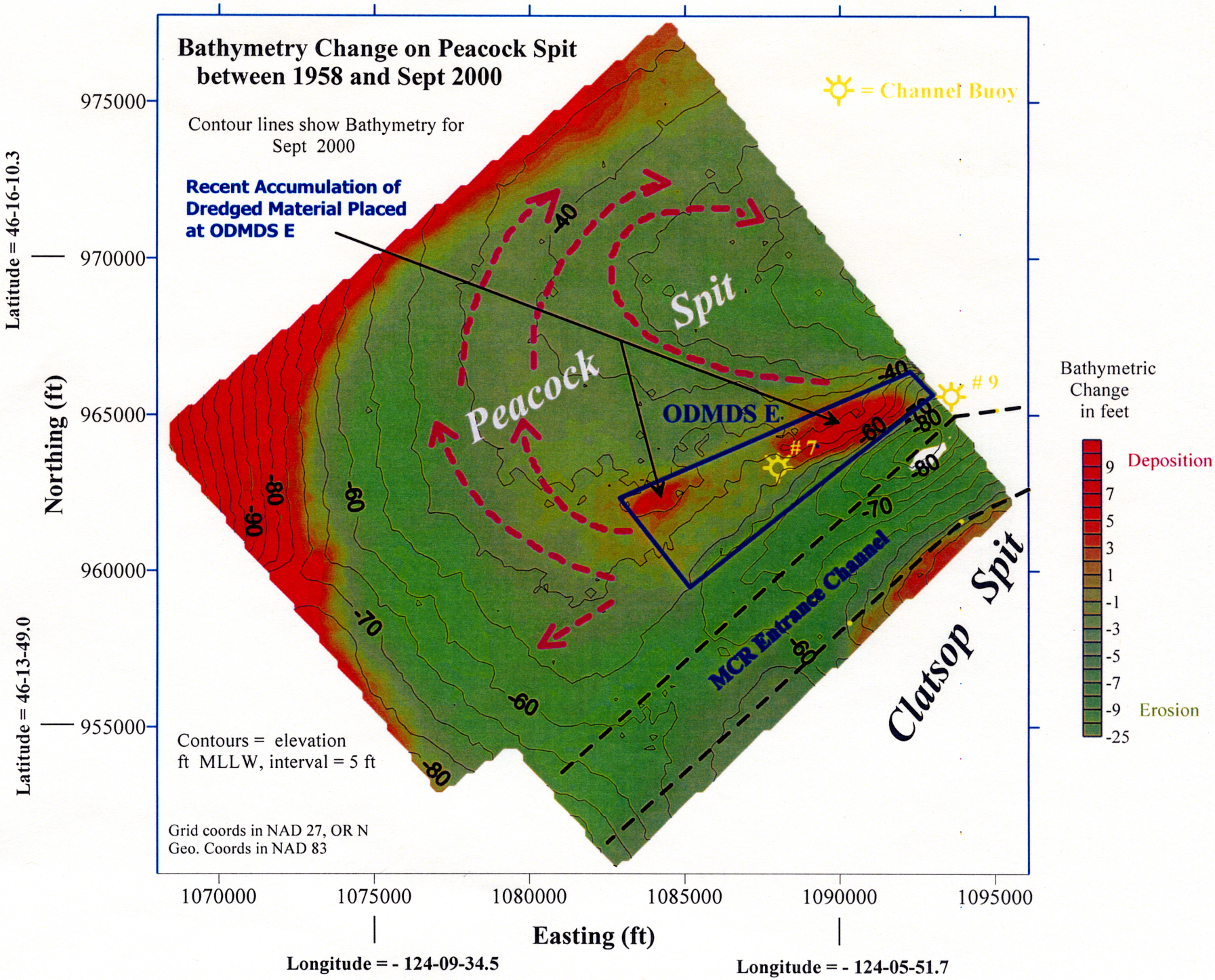
Bathymetry Change on Peacock Spit
between 1958 and Sept 2000
Contour lines show Bathymetry for
Sept 2000
Recent Accumulation of
Dredged Material Placed
at ODMDS E
= Channel Buoy
Peacock
Spit
ODMDS E.
7
9
MCR Entrance Channel
Clatsop Spit
Contours = elevation
ft MLLW, interval = 5 ft
Grid coords in NAD 27, OR N
Geo. Coords in NAD 83
Bathymetric
Change
in feet
Deposition
Erosion
9
7
5
3
1
-1
-3
-5
-7
-9
-25
975000
970000
965000
960000
955000
Northing (ft)
Latitude = 46-16-10.3
Latitude = 46-13-49.0
1070000
1075000
1080000
1085000
1090000
1095000
Easting (ft)
Longitude = - 124-09-34.5
Longitude = - 124-05-51.7

Figure 23