95044-1 1 of 17

FEET
10000 5000 0
METERS
1000 0 1000 2000 3000
STATUTE MILES
1/2 1/2 1/4 0 5 1 2

CONNEAUT
TANK
FR
Hospital TANK FR
R RELAY TR
TANK
Conneaut River
Turkey Creek
Lakeville
531
198
28868
SOL 28 1041
SOL 19 1010
EOL 19.950
EOL 27
L-27 EXT.
L-28
L-27
L-36
L-42
L-40
L-38
L-39
L-19
L-20
MP 202
MP 201
MP 102
MP 101
1630
1430
1500
1130
1100
1030
1000
900
1200
1180
1010
1040
1023

LEGS 1 8/95
LEGS 3 8/95

ALL Lines Adjusted East of Lorain, 8 1000', 7 1/95

14528 Sept 88

95044-2 2 of 17

FEET
10000 5000 0
METERS
1000 0 1000 2000 3000
STATUTE MILES
1 ½ ½ ¼ 0 5 1 2

DUMPING GROUND
Least Depth 10.6 m rep

ASHTABULA

Kingsville-on-the-Lake

Red Brook

Ashtabula

STACK FR

STACK 2 Vert Lts FR

TANKS FR

use chart

200% chart 14828 Feb 1988

14828 Sept 88

FEET
10000 5000 0
METERS
1000 0 1000 2000 3000
STATUTE MILES
1 ½ ½ 0 5 1 2

9960-W-16530
16532
9960-Y-44050
44090
44080
44070
44060
44040
44030
57920
57940
57960
18
17
L-30
L-29
L-28
L-42
L-43
L-41
L-21
L-45
1855 EOL 30
1704 EOL 28
MP 207
1528 MP 107
1456 MP 106
1623 MP 206
1519 MP 206
1403 MP 105
1681 MP 15
1681 MP 14
1681 MP 13
1480
1430
1330
1230
1206
1328
1300
900
1500
1600
1630
1560
1530
1700
1500
1456
1480
1430
1330
1300
1230
1206
1500
1681
1681
1681
2.5s 9m 3 NM 81%
PA
Redbird
Madison-on-the-Lake
Arcola Creek
Drittwood
Wheeler Creek
Cowles Creek
Cowles Creek
Geneva-on-the-Lake
Indian Creek

14829 Nov 90 / 148?9 Sept 88

FEET
10000 5000 0
METERS
1000 0 1000 2000 3000
STATUTE MILES
1 3/4 1/2 1/4 0 5 1 2

DUMPING GROUND
Least Depth 10$_6$ meters Rep
15$_5$
413990
413970
577820
577800
577760
44000
44010
28852
28850
16$_7$
18
17
14
15$_5$
10$_6$
10$_3$
15$_2$
13$_4$
14$_5$
13$_1$
L·30
L·31
L·32
L·29
L·46
L·44
L·42
L·43
L·45
L·23
L·22
L·2
800
751 SOL 31
1705 SOL 30
1724
1728
1730
1800
1834 MP 20
1830
1552
1330
1630
1600
1550 MP 16
1530
1400
1102
1132
1540
1930
1500
1032
1140 MP 18
1130
1000
930
1040 SOL 22
EOL 21
1150 MP 18 EOL 32
1700 EOL 29
SOL 23 MP 20
MP 22
1100
MP 24
FlR (G) 10s 5m
STACK
CG
TR
ABAND LT TR
TANK
TANK
FAIRPORT HARBOR
GRAND RIVER
CHIMNEYS
MICRO TR
3 Vert Lts
Occ R 2 F R
Mc Kinley Creek
R MASTS 2 Vert Lts
Occ R F R (WPVL)
1460 KHz
R MAST
2 Vert Lts
Occ R F R
TOWERS
Ramp
North Perry
Marsh
Grand River
Chart 14837
Scale 1:8,000
14829
Nov 90

FEET
10000 5000 0
METERS
1000 0 1000 2000 3000
STATUTE MILES
1 ½ ½ ¼ 0 5 1 2

L-31
L-32
L-46
L-23
L-24
L-17
Mentor-on-the-Lake
Eastlake
STACKS
2 Vert Lts
F R
CHAGRIN RIVER
Fl G 6s 8m PA
Priv
AERO
Mentor Harbor
Marsh
Mentor Headlan
Marsh Creek
WILLO

14429 NOV 90

FEET
10000 5000 0
METERS
1000 0 1000 2000 3000
STATUTE MILES
1 ½ ½ 0 5 1 2

(12 m)
16538
146
15190
13180
170
160
150
140
130
120
110
100
90
80
70
L-31
L-32
L-46
L-47
L-1
L-23
L-24
L-25
MP213
MP212
MP111
MP29
SOL 26
EOL 25
SOL 24
SOL 23
1149
1141
1130
1115
1100
1930
1900
1806
1700
1630
1509
1430
1400
1300
1200
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1010
1205
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1112
1105
1101
1080
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1180
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1120
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1000
970
940
910
880
850
820
790
760
730
700
670
640
610
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430
400
370
340
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280
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220
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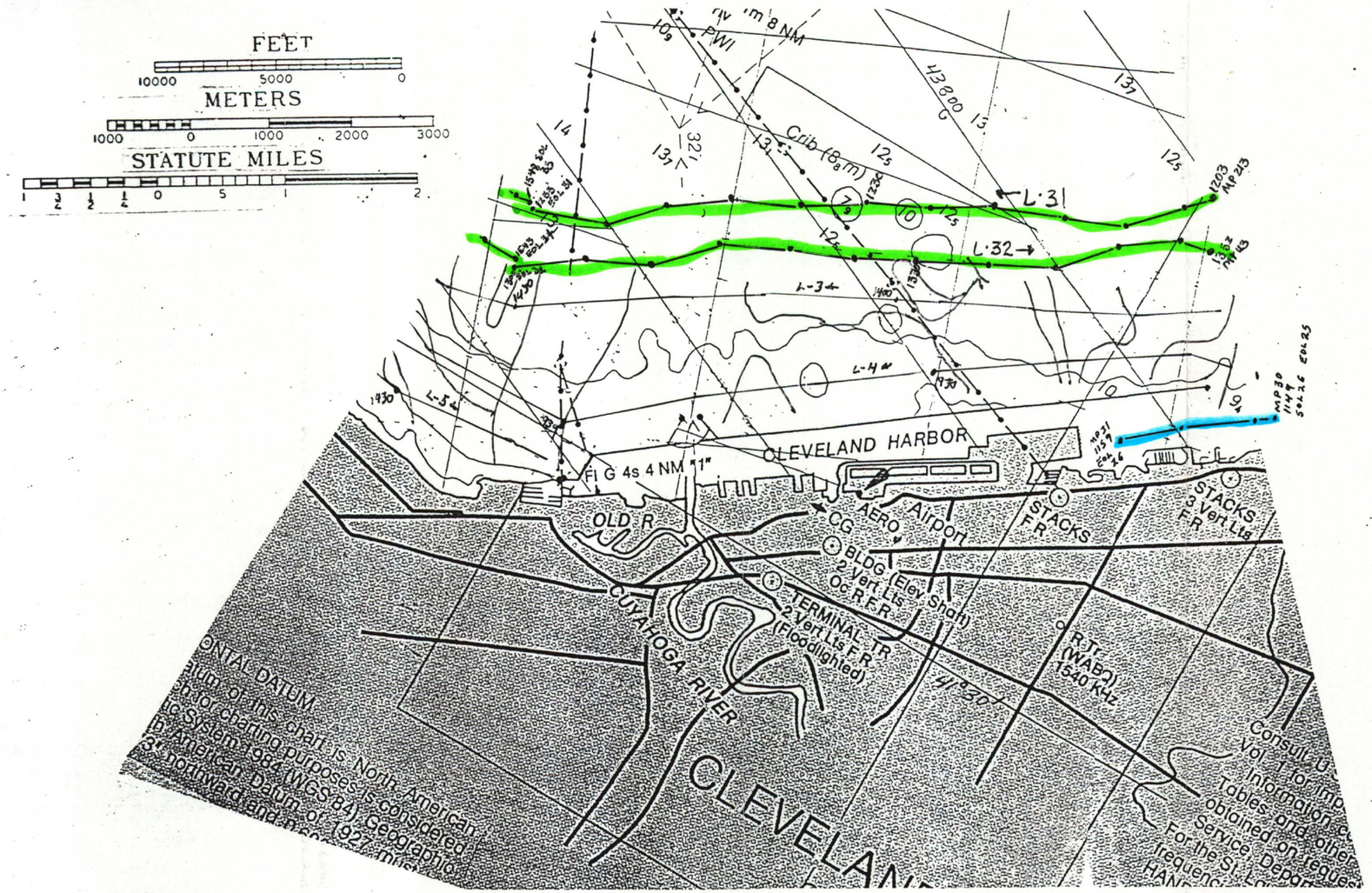
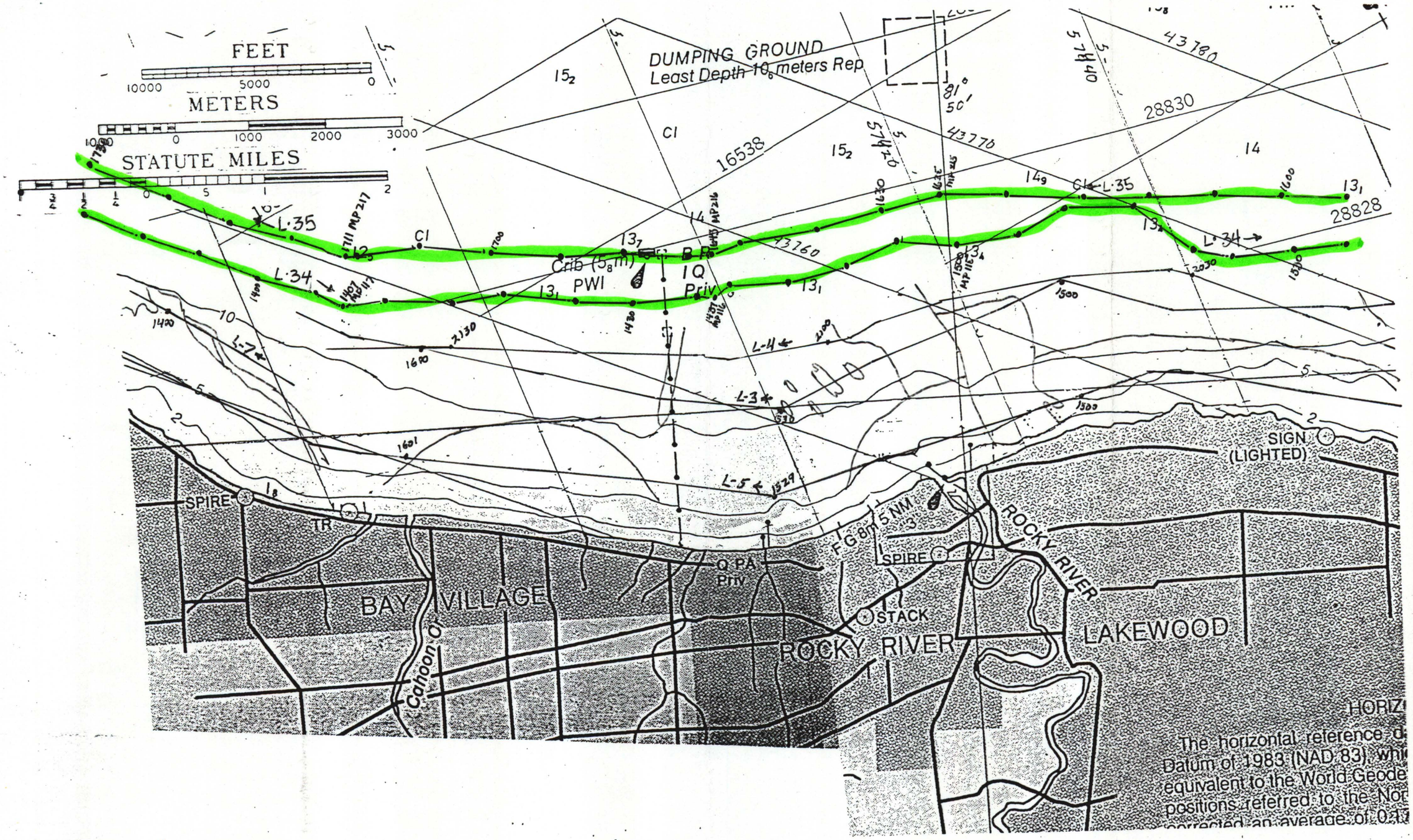
H14200


FEET
10000 5000 0
METERS
1000 0 1000 2000 3000
STATUTE MILES
1 1/2 1/2 1/4 0 5 1 2
PWI
Crib (8.6 m)
L-31
L-32
L-34
L-44
L-54
CLEVELAND HARBOR
Fl G 4s 4 NM "1"
OLD R
CG
AERO
Airport
BLDG. (Elev Shaft)
2 Vert Lts
Obs R.F.R.
TERMINAL TR
2 Vert Lts F.R.
(Floodlighted)
STACKS
F.R.
STACKS
3 Vert Lts
F.R.
R.T. (WABC)
1540 KHz
CUYAHOGA RIVER
CLEVELAND
ONTAL DATUM
tum of this chart is North American
h for charting purposes is considered
ic System 1984 (WGS 84). Geographic
h American Datum of 1927 (mile
st northward and
Consult
Vol 1 for imp
information
Tables, and other
obtained on reque
Service, Depo
For the Si
frequenc
HAN

14879 Nov 90


FEET
10000 5000 0
METERS
10000 0 1000 2000 3000
STATUTE MILES
0 5 1 2
DUMPING GROUND
Least Depth 10₆ meters Rep
15₂
CI
16538
15₂
81° 50'
43770
57420
57440
43780
28830
14
28828
L-35
L-34
L-7
L-4
L-3
L-5
CI
13₇
13₁
14₉
13₄
PWI
IQ
Priv
Crib (5₈m)
BP
1420
1430
1500
1600
1601
1629
SPIRE
TR
SIGN
(LIGHTED)
FG 8m 5 NM
SPIRE
STACK
OPA
Priv
BAY VILLAGE
ROCKY RIVER
LAKEWOOD
Cahoon Cr
ROCKY RIVER
HORIZ
The horizontal reference d
Datum of 1983 (NAD 83), whi
equivalent to the World Geode
positions referred to the Nor
corrected an average of 0.1

14829 NOV 90

FEET
10000 5000 0
METERS
1000 0 1000 2000 3000
STATUTE MILES
1 1/2 1/2 1/4 0 5 1 2

L-48
L-34
L-35
L-34
L-5
L-11
L-54
43710
Avon Pt
TANK
STACK
3 Vert Lts
Fl
Fl R 2.5s 8m PA
Priv
TANK
F R
TANK
TANK
F R
TANK
F R
TANK
F R
41°30'
41°30'
16532
16534
13,160
CG
BLACK
NOAA
U.S. NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
DEPT OF COMMERCE
OCEAN SERVICE

19829 Nov 90

FEET
10000 5000 0
METERS
1000 0 1000 2000 3000
STATUTE MILES
1 ½ ½ ¼ 0 5 1 2

DUMPING GROUNDS
East Depth 9.1 m rep 1977
43660
Net Stakes
L-48
L-33
L-12
L-10
L-9
1829
1537
1730
1700
1622
1500
1600
1415
1183
189
195
201
207
930
900
830
1600
1800
1730
1700
43670
43680
43690
43700
43710
57110
57160
57180
57200
57220
Vermilion River
N & W Ry
ConRail
TANK FR
TANK Occ R F R
F R 4m Priv
Beaver Creek
Martins Run
Fish Haven
LORAIN
R CG MAST
STACKS
FY 4s
FY 2Ss
For more detail see inset.
CAUTION
aids to navigation
The horizontal reference datum of this chart is the North American Datum of 1983 (NAD 83) and for chart... to the World Geodetic S... referred to the Nor... average of ...

14830 Mar 92

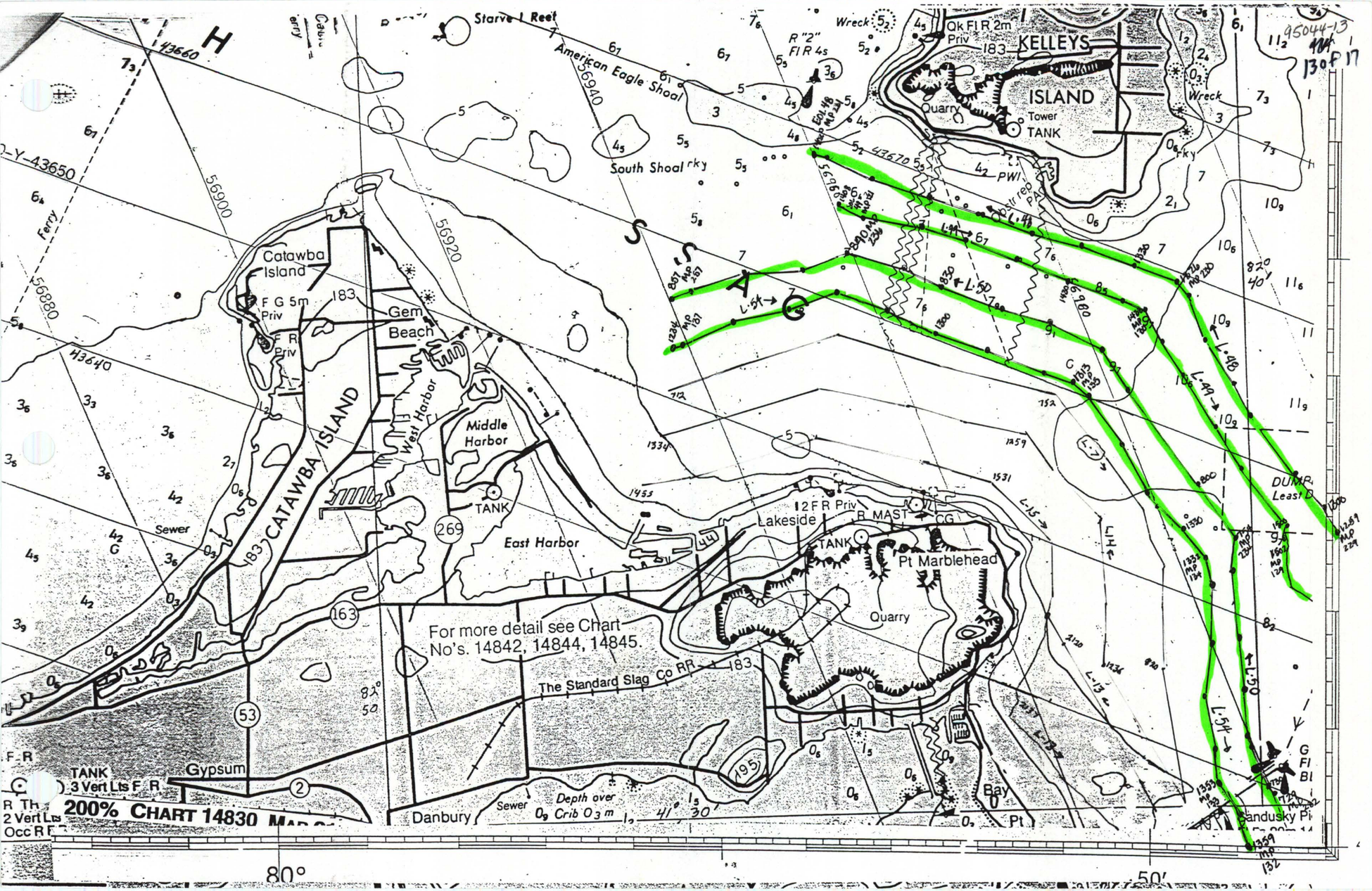
FEET
10000 5000 0
METERS
1000 0 1000 2000 3000
STATUTE MILES
1 1/2 1/2 1/4 0 5 1 2

DUMPING GROUND
Least Depth
10.6m rep

43650
43640
43630
57080
57060
57040
L-48
L-33
L-16
L-18
L-12
L-10
L-9
L-8
L-11
L-7
L-6
1141 MP 226
1123 MP 225
1091 MP 223
1065 MP 57
1205 MP 71
1240 MP 54
1154 MP 53
1150 MP 52
1141 MP 51
1123 MP 125
1091 MP 123
1065 MP 121
1205 MP 119
1240 MP 117
1154 MP 115
1150 MP 113
1141 MP 111
1123 MP 109
1091 MP 107
1065 MP 105
1205 MP 103
1240 MP 101
1154 MP 99
1150 MP 97
1141 MP 95
1123 MP 93
1091 MP 91
1065 MP 89
1205 MP 87
1240 MP 85
1154 MP 83
1150 MP 81
1141 MP 79
1123 MP 77
1091 MP 75
1065 MP 73
1205 MP 71
1240 MP 69
1154 MP 67
1150 MP 65
1141 MP 63
1123 MP 61
1091 MP 59
1065 MP 57
1205 MP 55

FEET
10000 5000 0
METERS
1000 0 1000 2000 3000
STATUTE MILES
1 0 1 2

43640
43630
43620
L-48
L-16
L-49
L-50
L-54
L-10
L-8
L-12
L-17
1141 MP 226
1211 MP 227
Bldg
TANK
FR
Ruins
Bay
Pt
Marsh
ConRail
Intake
Occ
Obstr rep
Ferry
FIR 4sec
FIR 20m
FIR 6m
FG 20m
FG 237°
FIG
063°
017°
Detail
4845
EXP
Coast Pilot 6
(PWI)
discharge sewage, or
ater intakes as are
ecautions
ubject to
equent change
owers
14830 Mar 92


Starve I Reef
American Eagle Shoal
South Shoal
KELLEYS ISLAND
Tower
TANK
Quarry
Ok Fl R 2m
Priv
183
Wreck
R "2"
Fl R 4s
Catawba Island
F G 5m
Priv
Gem Beach
F R
Priv
CATAWBA ISLAND
West Harbor
Middle Harbor
East Harbor
TANK
269
Sewer
12 F R Priv
Lakeside
R MAST
CG
TANK
Pt Marblehead
Quarry
For more detail see Chart
No's. 14842, 14844, 14845.
The Standard Slag Co RR
163
53
Gypsum
TANK
3 Vert Lts F R
2 Vert Lts
Occ R F
200% CHART 14830
Danbury
Sewer
Depth over
Crib
Bay
Pt
Sandusky Pi
DUMP
Least D
Ferry
80°
50'

FEET
10000 5000 0
METERS
1000 0 1000 2000 3000
STATUTE MILES
1 ½ ½ 0 5 1 2

American Eagle Shoal
Starve I Reef
South Shoal rky
Caution rky
56940
56920
56900
56960
43670
L-50
L-54
L-15
L-13
L-14
L-9
L-11
Pt Marblehead
Quarry
B MAST
TANK
12 F R Priv
Lakeside
Bay Pt
Uncovers 1s
Caution 1s
Subject to frequent change
Johnson Island
195
Gem Beach
Middle Harbor
West Harbor
East Harbor
Calawba Island
F G 5m Priv
F R Priv
BAY ISLAND
TANK
269
183
The Standard Slag Co RR
For more detail see Chart No's. 14842, 14844, 14845.
14830 Mar 92

FEET
10000 5000 0
METERS
3000 2000 1000 0 1000
STATUTE MILES
1 ½ ¼ 0 5 1 2

43640
56880
56850
43630
(4m rep 1988)
56840
43620
56820
Y "G"
Y "H"
Ferry
L-50
L-54
L-1
L-2
L-3
L-4
L-6
L-7
L-9
L-10
1216 MP 246
927 MP 144a EOL 53
1136 MP 245a
1124 MP 245
1036 MP 145
1042 MP 242
1101 MP 142
1063 MP 243
1103 MP 141
1100
1010
1000
1350
930
880
650
710
526
424
732
404
500
400
TANK
STACK
R TR
3 Vert Lts F R
R RELAY TR
2 Vert Lts
Occ R F R
R TR
2 Vert Lts
Occ R F R
Camp Perry
Marsh
Dike
Ottawa National
Wildlife Refuge
(Protected Area)
RIVER
(use chart 14846)
(Marsh)
PT CLINTON
ConRail
Gypsum
CATAW
Industrial Park
53
163
2
82° 50'
Y

14830 Mar 92

FEET
10000 5000 0
METERS
1000 0 1000 2000 3000
STATUTE MILES
1 ¾ ½ ¼ 0 5 1 2

DANGER ZONE
334.850
(see note A)

Crane

Toussaint Reef

Locust Reef

L-51

L-53

L-50

PA

41° 40'

1430

1400

1360 MP 248

1342 MP 247

1336 EOL 51

1240 MP 246a EOL 50

1230

1216 MP 246

838 MP 141

850 MP 146

710

700

754

800

730

400

330

914 MP 245

L-2

L-3

L-4

L-5

L-6

Long Beach Rge Lts

F R

COOLING TR
3 Vert Lts
2 Occ R F R
(Fl Daytime Only)
Elev 150m

Locust Point

Davis-Besse Power Plant

OVHD PWR CAB

Marsh

MAGEE MARSH STATE RESERVATION

SAINT RIVER

14830 Mar 92

FEET
10000 5000 0
METERS
1000 0 1000 2000 3000
STATUTE MILES
1 0 1 2

L-51
L-52
L-53
L-1
L-5
L-6
9960-Y-43650
60-Z-56700
56740
43640
43630
Ok Fl 15m
Priv
PWI
Cedar Point
Potters Pond
Marsh
Reno Beach
Cooley Creek
WARD CANAL
Uncovers
Crane Creek
Bono
TV MAST
10 Vert Lts
5 Occ R 5 F R
CAUTION
marine radiobeacons have been cali-
ance use. Limitations on the use of
signals as aids to marine
ound in the U.S. Coast
Defense Mapping
o commer-
to error
53° 20
41° 40
41°
644
2040
RT 14830 MAR 21, 1992
14830 Mar 92