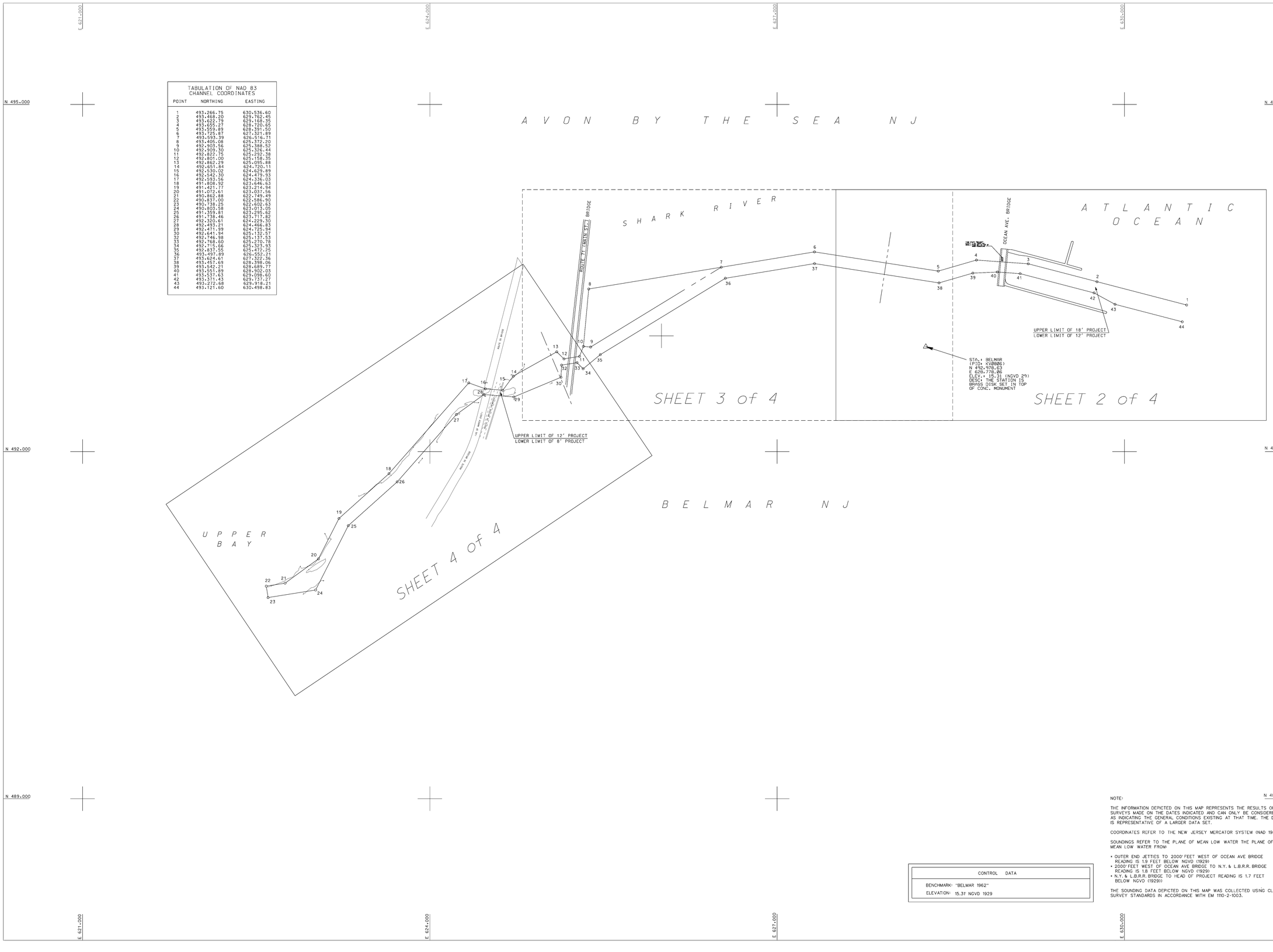
TABULATION OF NAD 83 CHANNEL COORDINATES		
POINT	NORTHING	EASTING
1	493,266.75	630,536.60
2	493,468.20	629,762.45
3	493,622.79	629,168.35
4	493,655.27	628,720.65
5	493,559.89	628,391.50
6	493,725.87	627,321.89
7	493,593.39	626,516.71
8	493,408.08	625,372.20
9	492,903.56	625,388.52
10	492,909.30	625,306.44
11	492,827.75	625,292.38
12	492,801.00	625,158.35
13	492,862.29	625,095.88
14	492,651.84	624,720.11
15	492,530.02	624,629.89
16	492,542.30	624,479.93
17	492,593.56	624,336.03
18	491,808.92	623,646.63
19	491,421.77	623,214.94
20	491,072.61	623,037.56
21	490,862.88	622,749.49
22	490,837.00	622,586.90
23	490,738.25	622,602.63
24	490,803.58	623,013.05
25	491,359.81	623,295.62
26	491,738.46	623,717.82
27	492,320.61	624,229.30
28	492,493.21	624,466.83
29	492,471.99	624,725.94
30	492,641.94	625,132.57
32	492,746.38	625,137.53
33	492,768.60	625,270.78
34	492,715.66	625,323.93
35	492,837.55	625,472.25
36	493,497.89	626,552.21
37	493,624.61	627,322.36
38	493,457.69	628,398.06
39	493,542.21	628,689.77
40	493,551.89	628,902.03
41	493,537.63	629,098.60
42	493,371.43	629,737.27
43	493,272.68	629,918.21
44	493,121.60	630,498.83



CONTROL DATA	
BENCHMARK:	"BELMAR 1962"
ELEVATION:	15.31' NGVD 1929

NOTE:

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME. THE DATA IS REPRESENTATIVE OF A LARGER DATA SET.

COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM (NAD 1983)

SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER THE PLANE OF MEAN LOW WATER FROM:

- OUTER END JETTIES TO 2000' FEET WEST OF OCEAN AVE BRIDGE READING IS 1.9 FEET BELOW NGVD (1929)
- 2000' FEET WEST OF OCEAN AVE BRIDGE TO N.Y. & L.B.R.R. BRIDGE READING IS 1.8 FEET BELOW NGVD (1929)
- N.Y. & L.B.R.R. BRIDGE TO HEAD OF PROJECT READING IS 1.7 FEET BELOW NGVD (1929)

THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING CLASS 1 SURVEY STANDARDS IN ACCORDANCE WITH EM 1110-2-1003.

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
21-23-26-28 MARCH 2007

SCALE:
ONE INCH = 300 FEET

FILE NO.: 95
REQUEST NO.: 3051A

FIELD BOOKS:
14228

APPROVED: S. RYSHKEWITCH
FIELD CARTOGRAPHER
APPROVED: M. FORTE
CHIEF, TECHNICAL SERVICES
APPROVED: MAM II
LEAD CARTOGRAPHER
APPROVED: R. KISS
CHIEF OF SURVEY
DATE: 2 APRIL 2007

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

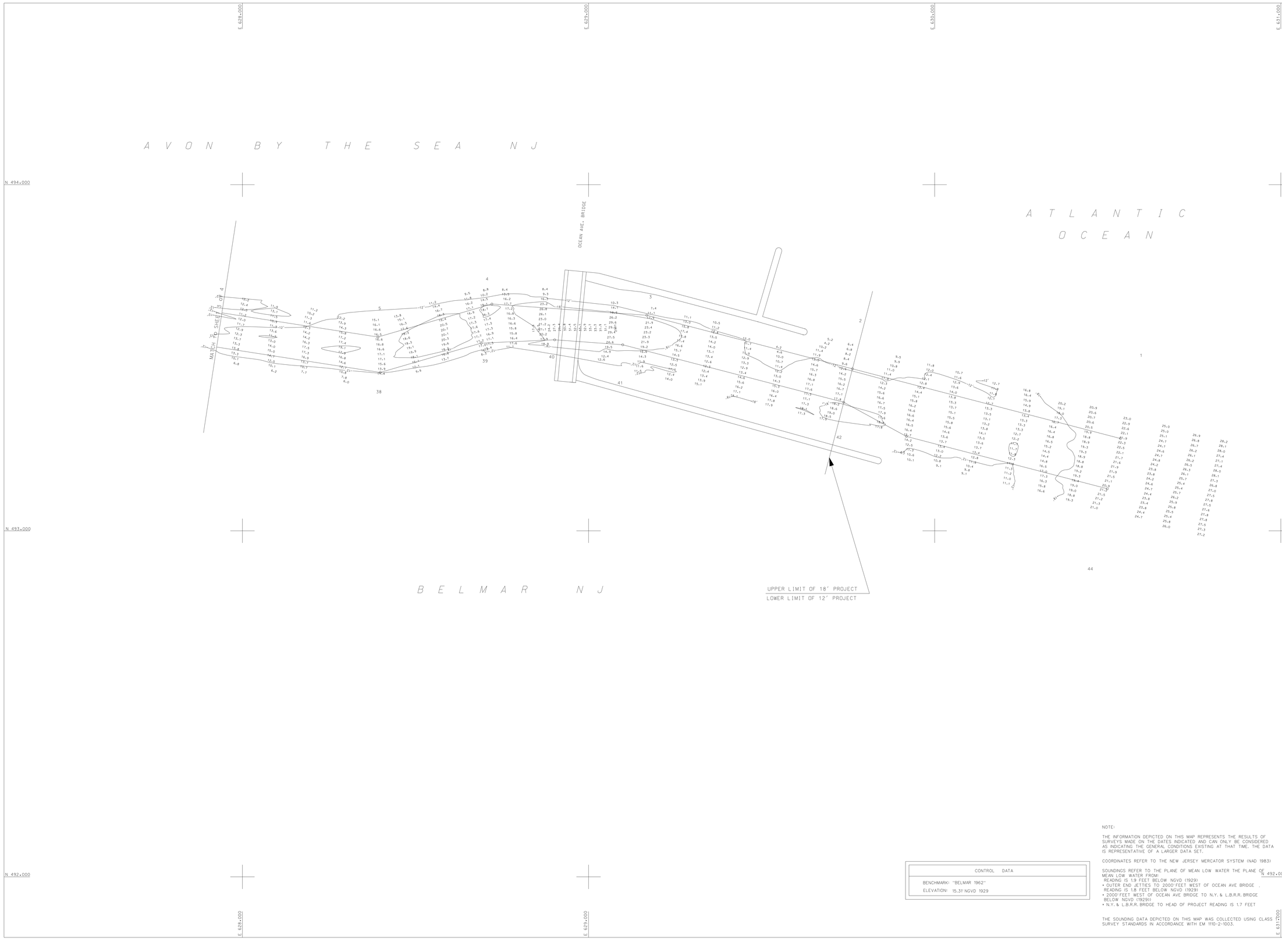
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

SHARK RIVER
NEW JERSEY
CONDITION SURVEY

VH–101

SHEET 1 OF 4

95
3051A



CONTROL DATA
BENCHMARK: "BELMAR 1962"
ELEVATION: 15.31' NGVD 1929

NOTE:

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME. THE DATA IS REPRESENTATIVE OF A LARGER DATA SET.

COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM (NAD 1983)

SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER THE PLANE OF MEAN LOW WATER FROM:
READING IS 1.9 FEET BELOW NGVD (1929)
• OUTER END JETTIES TO 2000' FEET WEST OF OCEAN AVE BRIDGE
READING IS 1.8 FEET BELOW NGVD (1929)
• 2000' FEET WEST OF OCEAN AVE BRIDGE TO N.Y. & L.B.R.R. BRIDGE BELOW NGVD (1929)
• N.Y. & L.B.R.R. BRIDGE TO HEAD OF PROJECT READING IS 1.7 FEET

THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING CLASS SURVEY STANDARDS IN ACCORDANCE WITH EM 1110-2-1003.

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

DATES OF SURVEY: 21,23,26-28 MARCH 2007

FILE NO.: 95 REQUEST NO.: 3051A

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: 14229

APPROVED: S. RYSHKEWITCH, FIELD CARTOGRAPHER
APPROVED: M. FORTE, CIVIL ENGINEERING TECHNICIAN
APPROVED: WAM II, LEAD CARTOGRAPHER
APPROVED: R. KISS, CHIEF OF SURVEY
DATE: 2 APRIL 2007

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

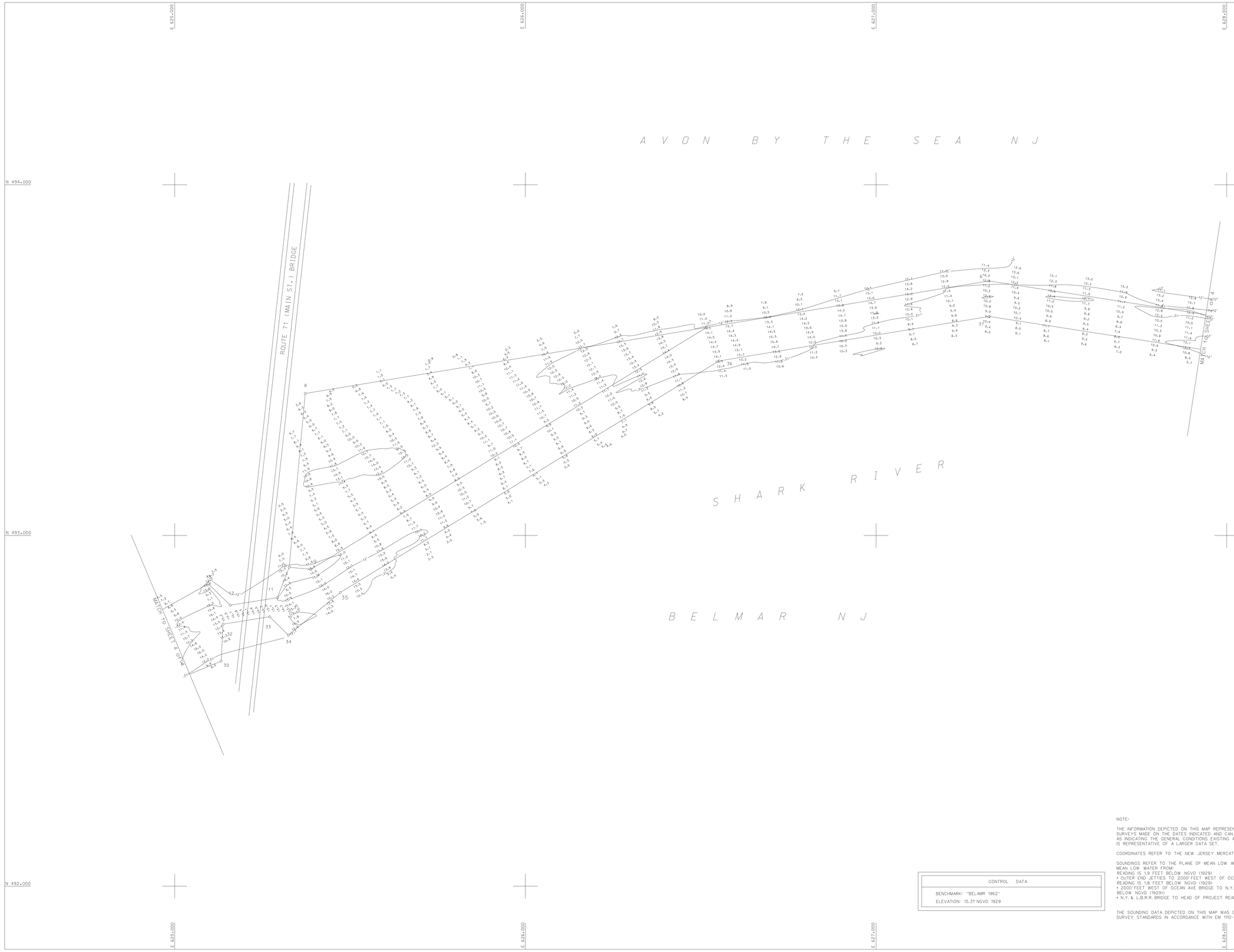
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

SHARK RIVER
NEW JERSEY
CONDITION SURVEY

VH-102

SHEET 2 OF 4

95
3051A



CONTROL DATA
BENCHMARK: "BELAMR 1962"
ELEVATION: 15.31' NGVD 1929

NOTE:

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME. THE DATA IS REPRESENTATIVE OF A LARGER DATA SET.

COORDINATES REFER TO THE NEW JERSEY MERCATOR SYSTEM (NAD 1983)

SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER THE PLANE OF MEAN LOW WATER FROM:
READING IS 1.9 FEET BELOW NGVD (1929)
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• 2000' FEET WEST OF OCEAN AVE BRIDGE TO N.Y. & L.B.R.R. BRIDGE BELOW NGVD (1929)
• N.Y. & L.B.R.R. BRIDGE TO HEAD OF PROJECT READING IS 1.7 FEET

THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING CLASS 1 SURVEY STANDARDS IN ACCORDANCE WITH EM 1110-2-1003.

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

DATES OF SURVEY:
21,23,26-28 MARCH 2007

FILE NO.: 95
REQUEST NO.: 3051A

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
14229

APPROVED: S. RYSHKEWITCH
FIELD CARTOGRAPHER
APPROVED: M. FORTE
CHIEF, HYDROGRAPHIC TECHNICIAN
APPROVED: WAM II
LEAD CARTOGRAPHER
APPROVED: R. KISS
CHIEF OF SURVEY
DATE: 2 APRIL 2007

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

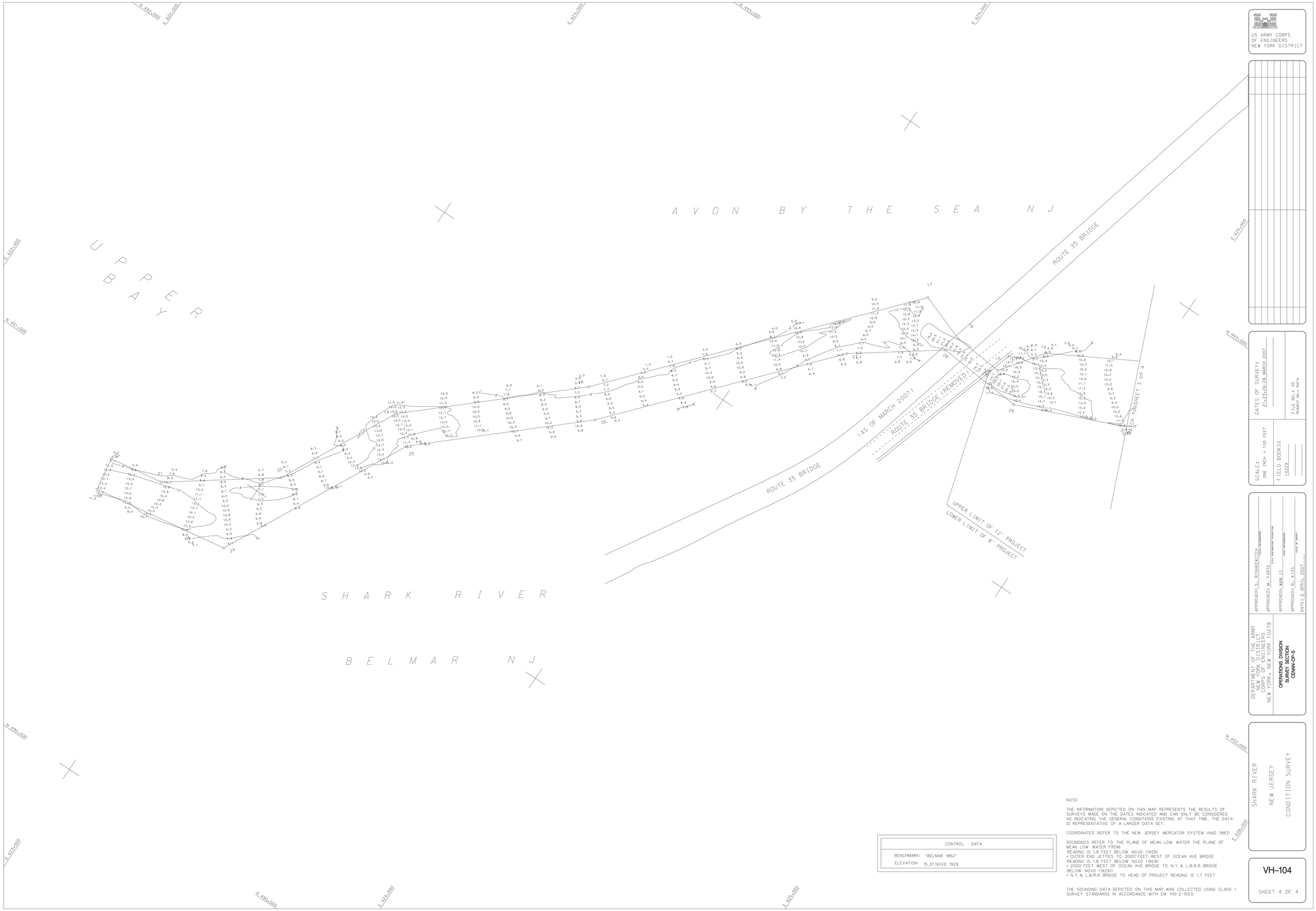
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

SHARK RIVER
NEW JERSEY
CONDITION SURVEY

VH–103

SHEET 3 OF 4

95
3051A



CONTROL DATA	
BENCHMARK:	"BELMAR 1962"
ELEVATION:	15.31' NGVD 1929

NOTE:

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READING IS 1.8 FEET BELOW NGVD (1929)
• 2000' FEET WEST OF OCEAN AVE BRIDGE TO N.Y. & L.B.R.R. BRIDGE BELOW NGVD (1929))
• N.Y. & L.B.R.R. BRIDGE TO HEAD OF PROJECT READING IS 1.7 FEET

THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING CLASS 1 SURVEY STANDARDS IN ACCORDANCE WITH EM 1110-2-1003.

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

DATES OF SURVEY: 21-23,26-28 MARCH 2007

FILE NO.: 95
REQUEST NO.: 3051A

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: 14229

APPROVED: S. RYSHKEWITCH FIELD CARTOGRAPHER
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED: WAM II LEAD CARTOGRAPHER
APPROVED: R. KISS CHIEF OF SURVEY
DATE: 2 APRIL 2007

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

SHARK RIVER
NEW JERSEY
CONDITION SURVEY

VH–104

SHEET 4 OF 4

95
3051A