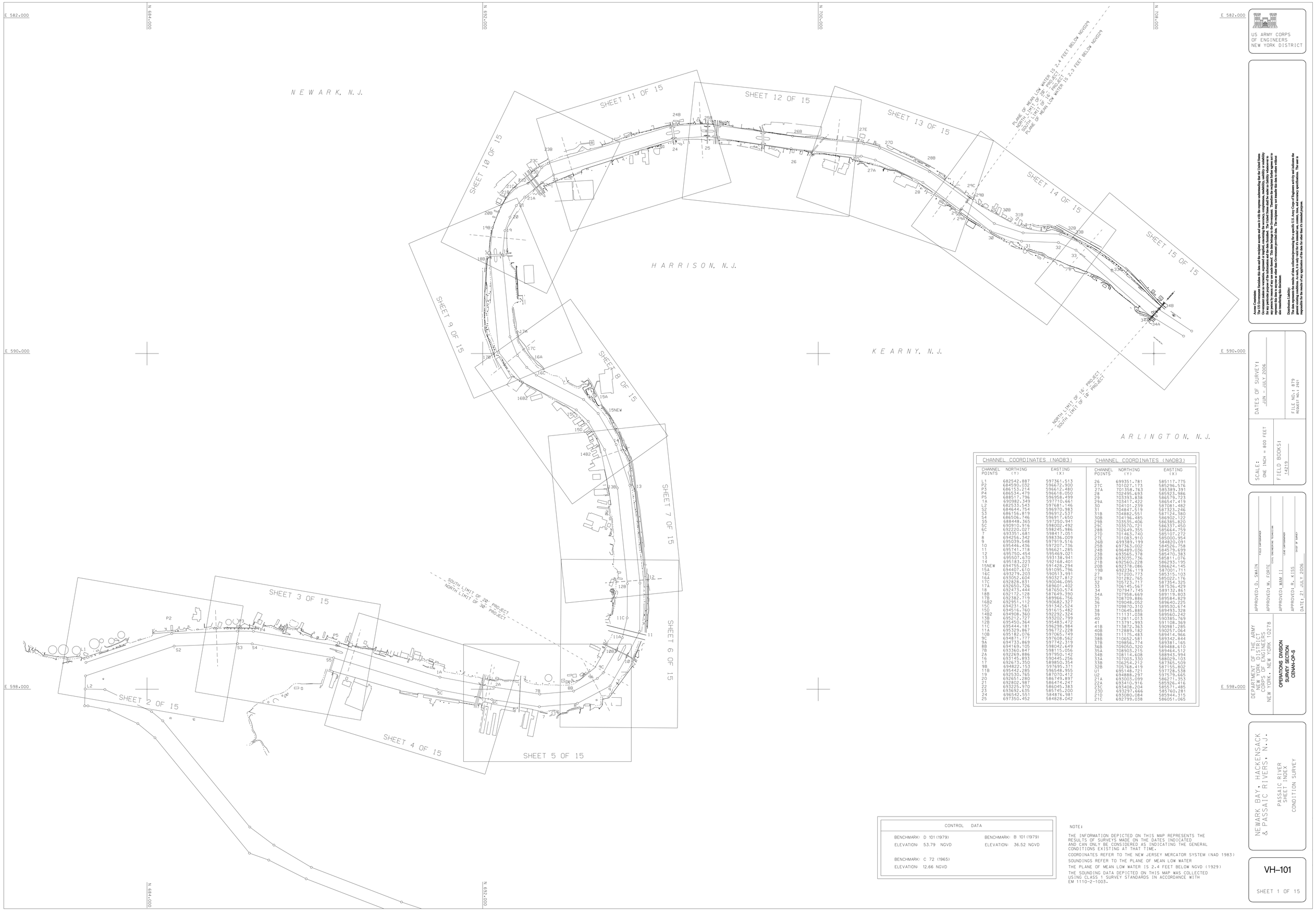

CHANNEL COORDINATES (NAD83)			CHANNEL COORDINATES (NAD83)		
CHANNEL POINTS	NORTHING (Y)	EASTING (X)	CHANNEL POINTS	NORTHING (Y)	EASTING (X)
L1	682542.887	597361.513	26	699351.781	585117.775
P2	684590.032	596672.900	27C	701027.173	585296.576
P3	686153.214	596612.480	27A	701358.763	585389.391
P4	686534.479	596618.050	28	702495.693	585923.986
P5	688517.796	596958.499	29	703393.838	586579.723
1A	690982.349	597710.861	29A	703417.422	586547.419
L2	682533.543	597681.146	30	704101.239	587081.482
S2	684644.754	596970.983	31	704847.519	587323.246
S3	686156.819	596912.537	31B	704882.551	587124.380
S4	686506.746	596917.650	30B	704196.485	586902.122
S5	688448.365	597250.941	29B	703535.406	586385.820
5C	690910.916	598002.492	29C	703570.721	586337.450
6C	692220.027	598245.986	28B	702649.355	585664.759
7	693351.681	598417.051	27D	701463.740	585107.272
8	694256.342	598336.009	27E	701083.910	585000.954
9	695039.548	597919.516	26B	699389.199	584820.091
10	695446.436	597207.736	25B	697363.002	584526.758
11	695741.718	596621.285	24B	696489.036	584579.693
12	695750.454	595469.021	23B	693565.378	585470.383
13	695507.670	593138.941	22B	693035.736	585811.076
14	695183.223	592168.401	21B	692560.228	586293.195
15NEW	694755.021	591428.294	20B	692378.086	586624.145
15A	694407.610	591095.796	19B	692236.119	587001.711
16C	693279.203	590513.991	27	701200.773	585315.103
16A	693052.604	590327.812	27B	701282.765	585022.176
17C	692828.831	590046.095	32	705723.717	587354.325
17A	692650.726	589801.402	33	706145.567	587536.429
18	692473.444	587650.574	34	707947.745	589132.861
18B	692172.128	587649.390	34A	707958.669	589119.803
17B	692382.719	589966.756	35	708709.886	589584.829
16B2	692951.112	590682.327	36	709048.052	589640.225
15C	694231.561	591342.524	37	709870.310	589530.674
15D	694516.760	591615.482	38	710645.885	589493.328
14B2	694908.360	592292.324	39	711131.038	589560.242
13B	695212.727	593202.799	40	712811.013	590385.769
12B	695450.364	595483.472	41	713791.993	591108.369
11C	695444.181	596298.984	41B	713872.363	590981.285
11A	695329.867	596772.228	40B	712889.182	590257.064
10B	695182.076	597065.749	39B	711175.483	589414.966
9C	694871.777	597608.562	38B	710652.581	589342.844
9A	694733.869	597742.319	37B	709856.774	589381.165
8B	694169.105	598042.649	36B	709050.320	589488.610
7B	693360.847	598115.056	35A	708903.215	589464.512
2A	692269.886	597950.142	34B	708114.608	588943.994
16	693145.893	590445.256	33A	707003.330	588029.103
17	692673.350	589850.354	33B	706254.212	587365.509
9B	694822.153	597695.371	32B	705768.419	587155.802
11B	695442.285	596548.955	U1	695148.721	597728.538
19	692530.765	587070.412	U2	694888.297	597579.665
20	692651.280	586749.897	21A	693003.099	586271.353
21	692802.987	586474.247	22A	693410.916	585926.416
22	693229.970	586045.383	23C	693408.204	585571.485
23	693692.635	585745.200	23D	693297.666	585760.281
24	696542.551	584876.981	21D	693080.084	585944.315
25	697350.452	584828.042	21C	692799.038	586051.065

CONTROL DATA	
BENCHMARK: D 101 (1979)	BENCHMARK: B 101 (1979)
ELEVATION: 53.79 NGVD	ELEVATION: 36.52 NGVD
BENCHMARK: C 72 (1965)	
ELEVATION: 12.66 NGVD	

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.

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 IS 2.4 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

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DATES OF SURVEY:
JUN - JUL 2006

FILE NO.: 879
REQUEST No.: 2921

SCALE:
ONE INCH = 800 FEET

FIELD BOOKS:
14219

APPROVED: D. SWAIN — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: WAM II — CHIEF OF SURVEY
APPROVED: R. KISS — CAD CARTOGRAPHER
DATE: 21 JULY 2006

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

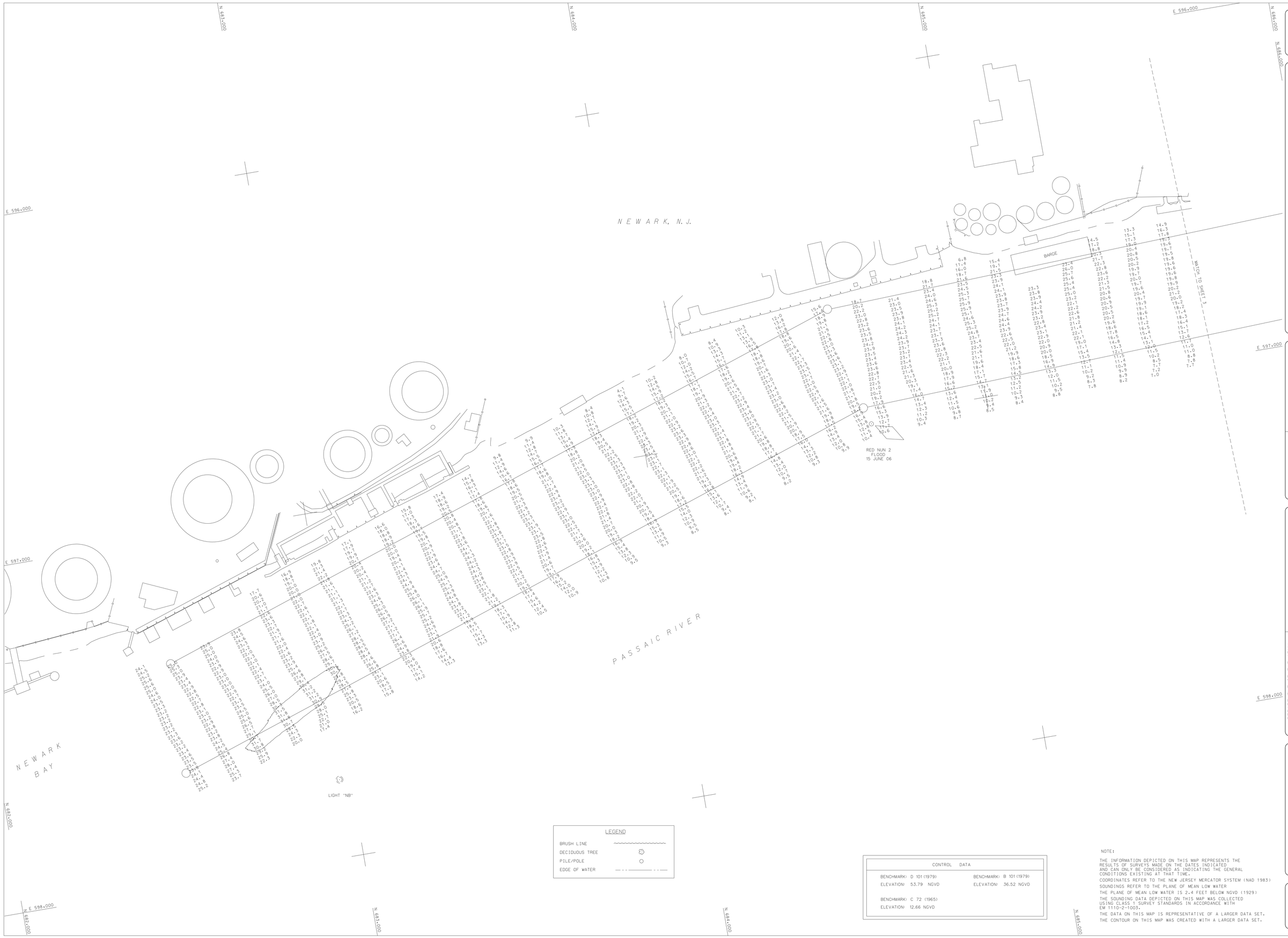
NEWARK BAY, HACKENSACK & PASSAIC RIVERS, N.J.

PASSAIC RIVER
SHEET INDEX
CONDITION SURVEY

VH-101

SHEET 1 OF 15

879
2921



LEGEND

BRUSH LINE	
DECIDUOUS TREE	
PILE/POLE	
EDGE OF WATER	

CONTROL DATA

BENCHMARK: D 101 (1979)	BENCHMARK: B 101 (1979)
ELEVATION: 53.79 NGVD	ELEVATION: 36.52 NGVD
BENCHMARK: C 72 (1965)	
ELEVATION: 12.66 NGVD	

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.

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 IS 2.4 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.

THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

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NEW YORK DISTRICT

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DATES OF SURVEY:
JUN - JULY 2006

FILE NO.: 879
REGRID: Nov 2 2921

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
14219

APPROVED: D. SWAIN FIELD CARTOGRAPHER
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED: BEAM II LEAD CARTOGRAPHER
APPROVED: R. KISS CHIEF OF SURVEY
DATE: 21 JULY 2006

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEWARK BAY, HACKENSACK & PASSAIC RIVERS, N.J.

PASSAIC RIVER

CONDITION SURVEY

VH-102

SHEET 2 OF 15

879
2921

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.

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 IS 2.4 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.

THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

THE CONTOUR ON THIS MAP WAS CREATED WITH A LARGER DATA SET.

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NEW YORK DISTRICT

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DATES OF SURVEY:
JUN - JULY 2006

FILE NO.: 879
REGRID'S NO.: 2921

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
14219

APPROVED: D. SWAIN — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: WEAM II — CHIEF CARTOGRAPHER
APPROVED: R. KISS — CHIEF OF SURVEY
DATE: 21 JULY 2006

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEWARK BAY, HACKENSACK & PASSAIC RIVERS, N.J.

PASSAIC RIVER

CONDITION SURVEY

VH–103

SHEET 3 OF 15

CONTROL DATA

BENCHMARK: D 101 (1979)	BENCHMARK: B 101 (1979)
ELEVATION: 53.79 NGVD	ELEVATION: 36.52 NGVD
BENCHMARK: C 72 (1965)	
ELEVATION: 12.66 NGVD	

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.

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 IS 2.4 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.

THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

THE CONTOUR ON THIS MAP WAS CREATED WITH A LARGER DATA SET.

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DATES OF SURVEY: JUN - JULY 2006

FILE NO.: 879
REQUEST NO.: 2921

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: 14219

APPROVED: D. SMAIN — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: MEAN II — LEAD CARTOGRAPHER
APPROVED: R. KISS — CHIEF OF SURVEY
DATE: 21 JULY 2006

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEWARK BAY, HACKENSACK & PASSAIC RIVERS, N.J.

PASSAIC RIVER

CONDITION SURVEY

VH-104

SHEET 4 OF 15

US ARMY CORPS
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NEW YORK DISTRICT

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DATES OF SURVEY: JUN - JULY 2006

FILE NO.: 879
REDIST NO.: 2921

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: 14219

APPROVED: D. SWAIN — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: M. MAM II — LEAD CARTOGRAPHER
APPROVED: R. KISS — CHIEF OF SURVEY
DATE: 21 JULY 2006

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEWARK BAY, HACKENSACK & PASSAIC RIVERS, N.J.

PASSAIC RIVER

CONDITION SURVEY

VH–105

SHEET 5 OF 15

LEGEND

BRUSH LINE	
DECIDUOUS TREE	
PILE/POLE	
EDGE OF WATER	

CONTROL DATA

BENCHMARK: D 101 (1979)	BENCHMARK: B 101 (1979)
ELEVATION: 53.79 NGVD	ELEVATION: 36.52 NGVD
BENCHMARK: C 72 (1965)	
ELEVATION: 12.66 NGVD	

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.

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

SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER

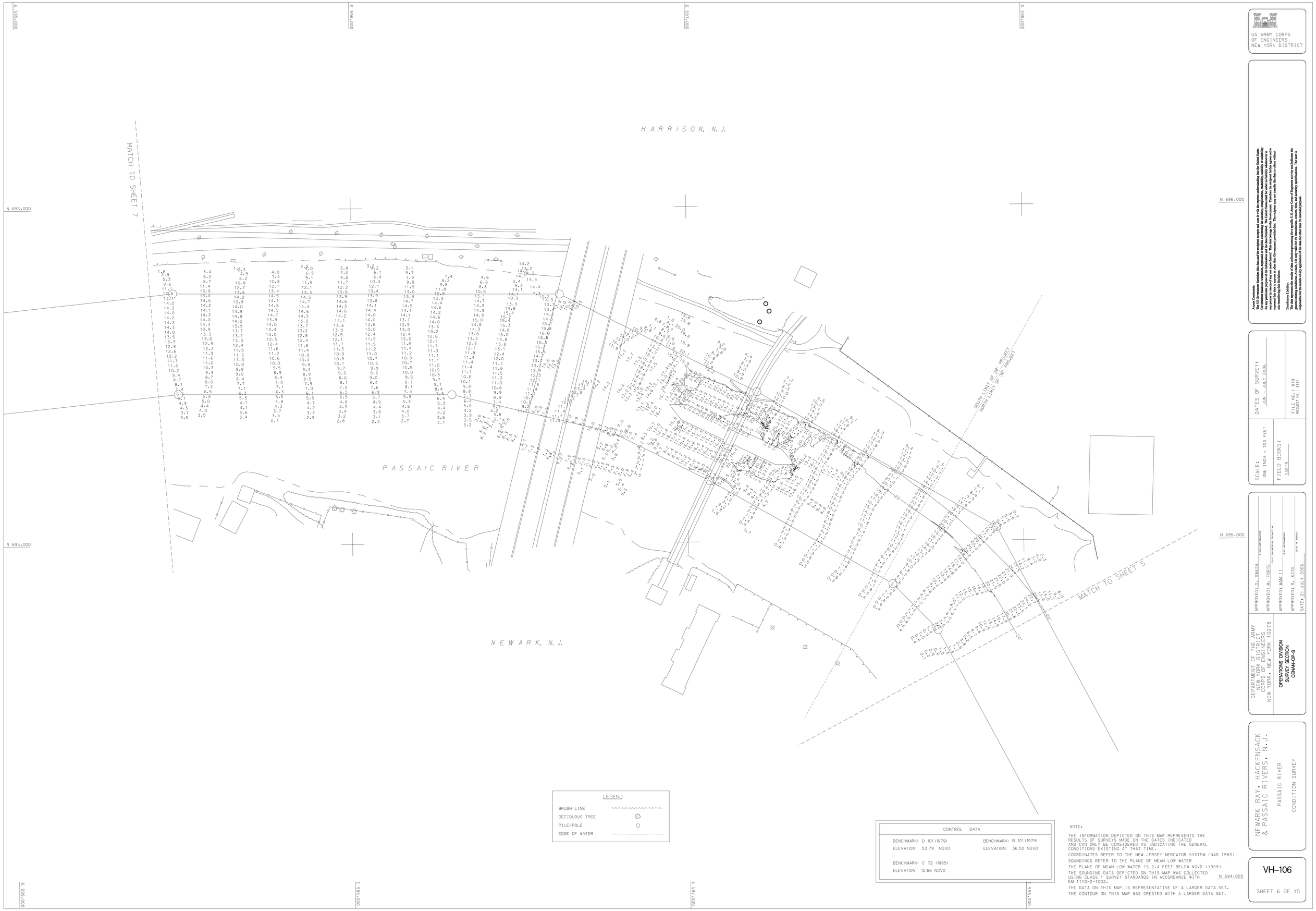
THE PLANE OF MEAN LOW WATER IS 2.4 FEET BELOW NGVD (1929)

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

THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

THE CONTOUR ON THIS MAP WAS CREATED WITH A LARGER DATA SET.

879
2921



LEGEND

BRUSH LINE	
DECIDUOUS TREE	
PILE/POLE	
EDGE OF WATER	

CONTROL DATA

BENCHMARK: D 101 (1979)	BENCHMARK: B 101 (1979)
ELEVATION: 53.79 NGVD	ELEVATION: 36.52 NGVD
BENCHMARK: C 72 (1965)	
ELEVATION: 12.66 NGVD	

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.

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 IS 2.4 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.

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THE CONTOUR ON THIS MAP WAS CREATED WITH A LARGER DATA SET.

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DATES OF SURVEY: JUN - JULY 2006

FILE NO.: 879
REQUEST NO.: 2921

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: 14219

APPROVED: D. SMAIN — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: BEAM II — LEAD CARTOGRAPHER
APPROVED: R. KISS — CHIEF OF SURVEY
DATE: 21 JULY 2006

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEWARK BAY, HACKENSACK & PASSAIC RIVERS, N.J.

PASSAIC RIVER

CONDITION SURVEY

VH-106

SHEET 6 OF 15

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2921

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DATES OF SURVEY:
JUN - JUL 2006

FILE NO.: 879
REQUEST NO.: 2921

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
14219

APPROVED: D. SMITH — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: WAM II — LEAD CARTOGRAPHER
APPROVED: R. KISS — CHIEF OF SURVEY
DATE: 21 JULY 2006

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEWARK BAY, HACKENSACK & PASSAIC RIVERS, N.J.

PASSAIC RIVER

CONDITION SURVEY

VH-107

SHEET 7 OF 14

LEGEND

BRUSH LINE	
DECIDUOUS TREE	
PILE/POLE	
EDGE OF WATER	

CONTROL DATA

BENCHMARK: D 101 (1979)	BENCHMARK: B 101 (1979)
ELEVATION: 53.79 NGVD	ELEVATION: 36.52 NGVD
BENCHMARK: C 72 (1965)	
ELEVATION: 12.66 NGVD	

NOTE:

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

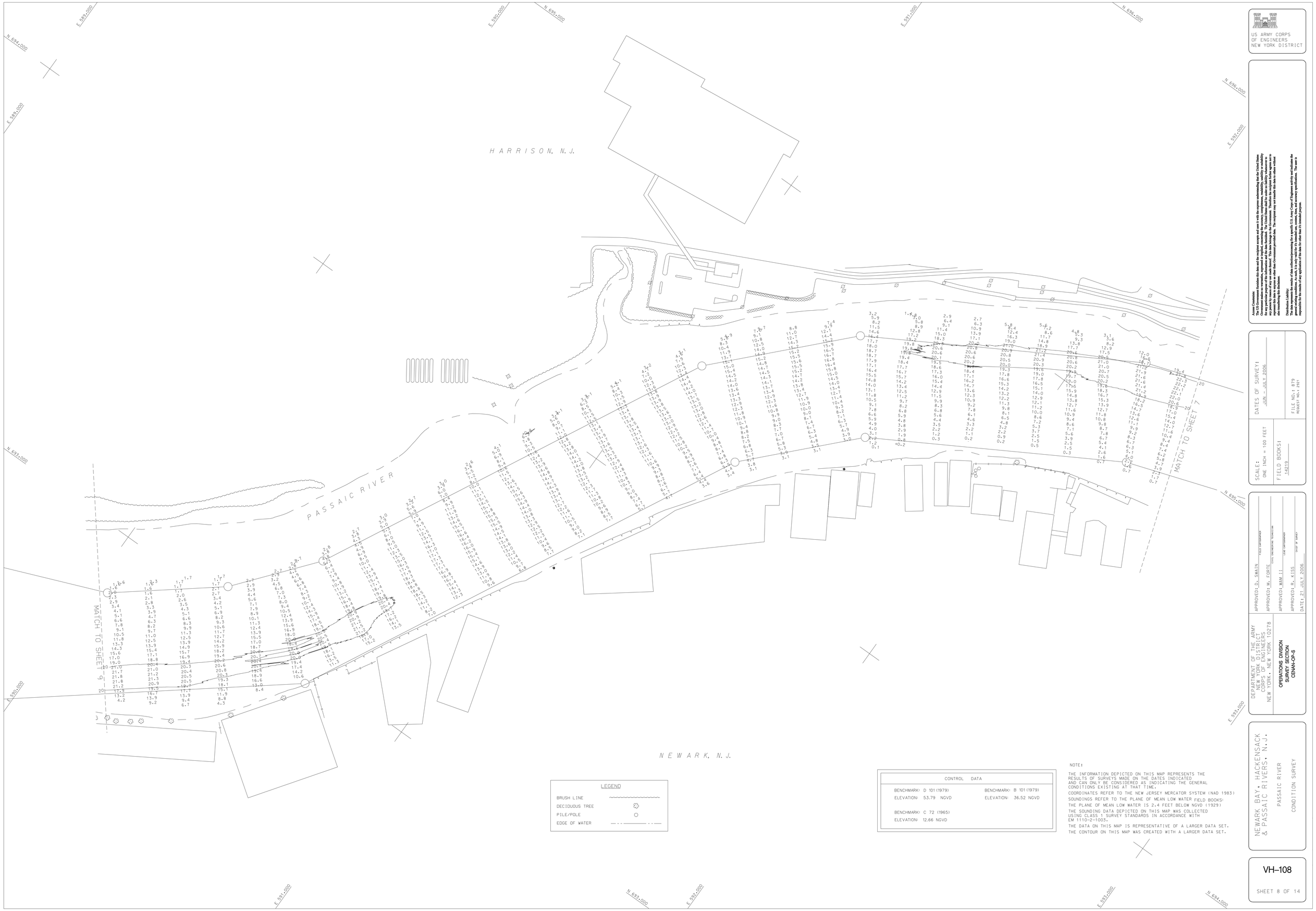
SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER FIELD BOOKS:

THE PLANE OF MEAN LOW WATER IS 2.4 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.

THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

THE CONTOUR ON THIS MAP WAS CREATED WITH A LARGER DATA SET.



LEGEND

BRUSH LINE	
DECIDUOUS TREE	
PILE/POLE	
EDGE OF WATER	

CONTROL DATA	
BENCHMARK: D 101 (1979)	BENCHMARK: B 101 (1979)
ELEVATION: 53.79 NGVD	ELEVATION: 36.52 NGVD
BENCHMARK: C 72 (1965)	
ELEVATION: 12.66 NGVD	

NOTE:

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

SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER FIELD BOOKS:

THE PLANE OF MEAN LOW WATER IS 2.4 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.

THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

THE CONTOUR ON THIS MAP WAS CREATED WITH A LARGER DATA SET.

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DATES OF SURVEY:
JUN - JULY 2006

FILE NO.: 879
REQUEST NO.: 2921

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
14219

APPROVED: D. SMAIN — FIELD CARTOGRAPHER
APPROVED: M. FORTE — STATE ENGINEERING TECHNICIAN
APPROVED: BMM II — LEAD CARTOGRAPHER
APPROVED: R. KISS — CHIEF OF SURVEY
DATE: 21 JULY 2006

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEWARK BAY, HACKENSACK & PASSAIC RIVERS, N.J.

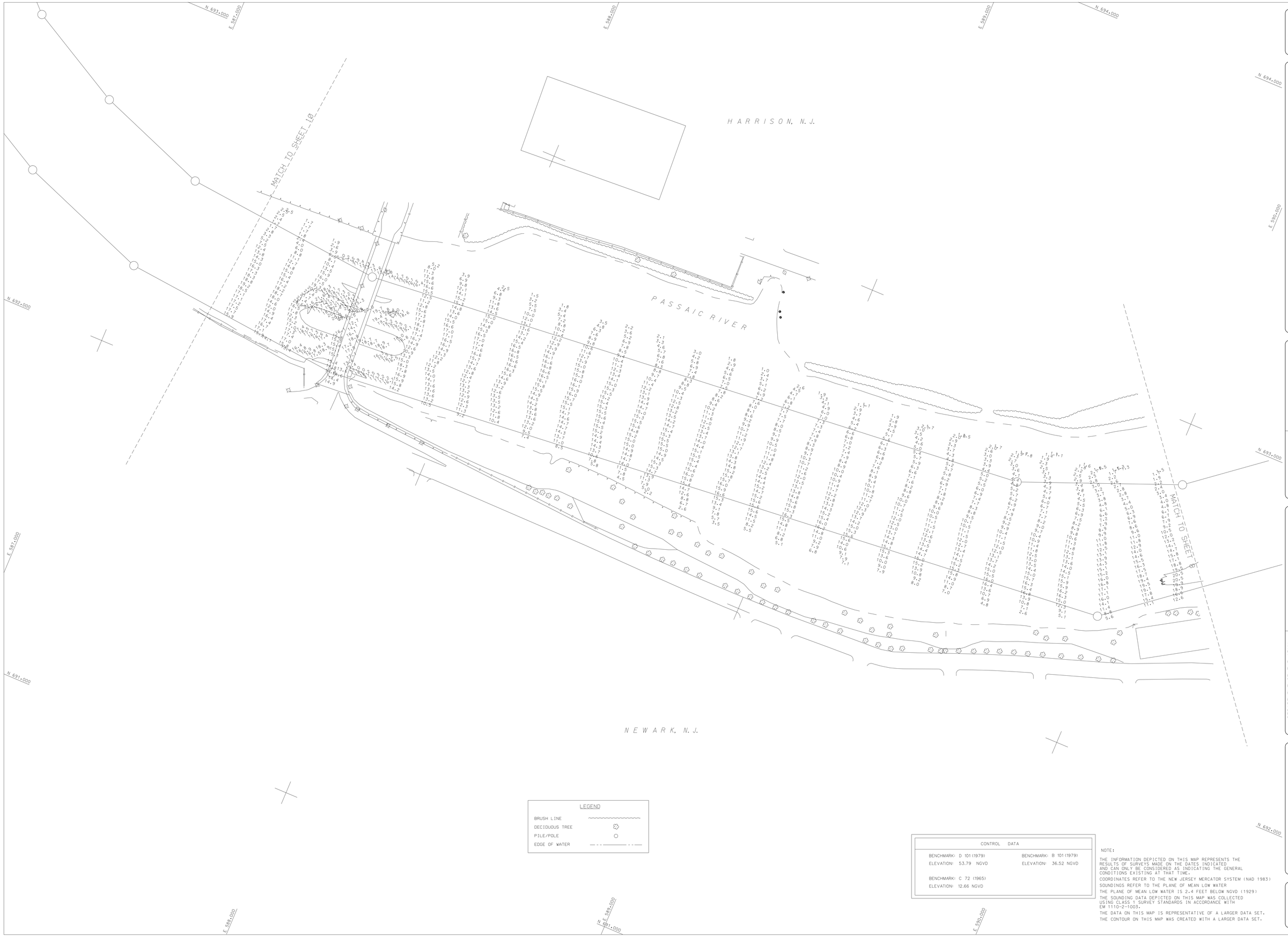
PASSAIC RIVER

CONDITION SURVEY

VH–108

SHEET 8 OF 14

879
2921



CONTROL DATA	
BENCHMARK: D 101 (1979)	BENCHMARK: B 101 (1979)
ELEVATION: 53.79 NGVD	ELEVATION: 36.52 NGVD
BENCHMARK: C 72 (1965)	
ELEVATION: 12.66 NGVD	

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.

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 IS 2.4 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.

THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

THE CONTOUR ON THIS MAP WAS CREATED WITH A LARGER DATA SET.

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

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DATES OF SURVEY: JUN - JULY 2006

FILE NO.: 879
REQUEST NO.: 2921

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: 14219

APPROVED: D. SWAIN FIELD CARTOGRAPHER
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED: BMM II LOG CARTOGRAPHER
APPROVED: R. KISS CHIEF OF SURVEY
DATE: 21 JULY 2006

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEWARK BAY, HACKENSACK & PASSAIC RIVERS, N.J.

PASSAIC RIVER

CONDITION SURVEY

VH–109

SHEET 9 OF 14

LEGEND

BRUSH LINE	
DECIDUOUS TREE	
PILE/POLE	
EDGE OF WATER	

CONTROL DATA	
BENCHMARK: D 101 (1979)	BENCHMARK: B 101 (1979)
ELEVATION: 53.79 NGVD	ELEVATION: 36.52 NGVD
BENCHMARK: C 72 (1965)	
ELEVATION: 12.66 NGVD	

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.

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 IS 2.4 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.

THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

THE CONTOUR ON THIS MAP WAS CREATED WITH A LARGER DATA SET.

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DATES OF SURVEY: JUN – JUL 2006

SCALE: ONE INCH = 100 FEET

FILE NO.: 879
REQUEST NO.: 2937

FIELD BOOKS: 14219

APPROVED: D. SWAIN — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: WMM II — LEAD CARTOGRAPHER
APPROVED: R. KISS — CHIEF OF SURVEY
DATE: 21 JULY 2006

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEWARK BAY, HACKENSACK & PASSAIC RIVERS, N.J.

PASSAIC RIVER

CONDITION SURVEY

VH–110

SHEET 10 OF 15

LEGEND

BRUSH LINE	
DECIDUOUS TREE	
PILE/POLE	
EDGE OF WATER	

CONTROL DATA	
BENCHMARK: D 101 (1979)	BENCHMARK: B 101 (1979)
ELEVATION: 53.79 NGVD	ELEVATION: 36.52 NGVD
BENCHMARK: C 72 (1965)	
ELEVATION: 12.66 NGVD	

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.

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 IS 2.4 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.

THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

THE CONTOUR ON THIS MAP WAS CREATED WITH A LARGER DATA SET.

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DATES OF SURVEY:
JUN - JULY 2006

FILE NO.: 879
REQUEST NO.: 2937

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
14219

APPROVED: D. SWAIN — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: MEAM II — LAN CARTOGRAPHER
APPROVED: R. KISS — CHIEF OF SURVEY
DATE: 21 JULY 2006

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEWARK BAY, HACKENSACK & PASSAIC RIVERS, N.J.

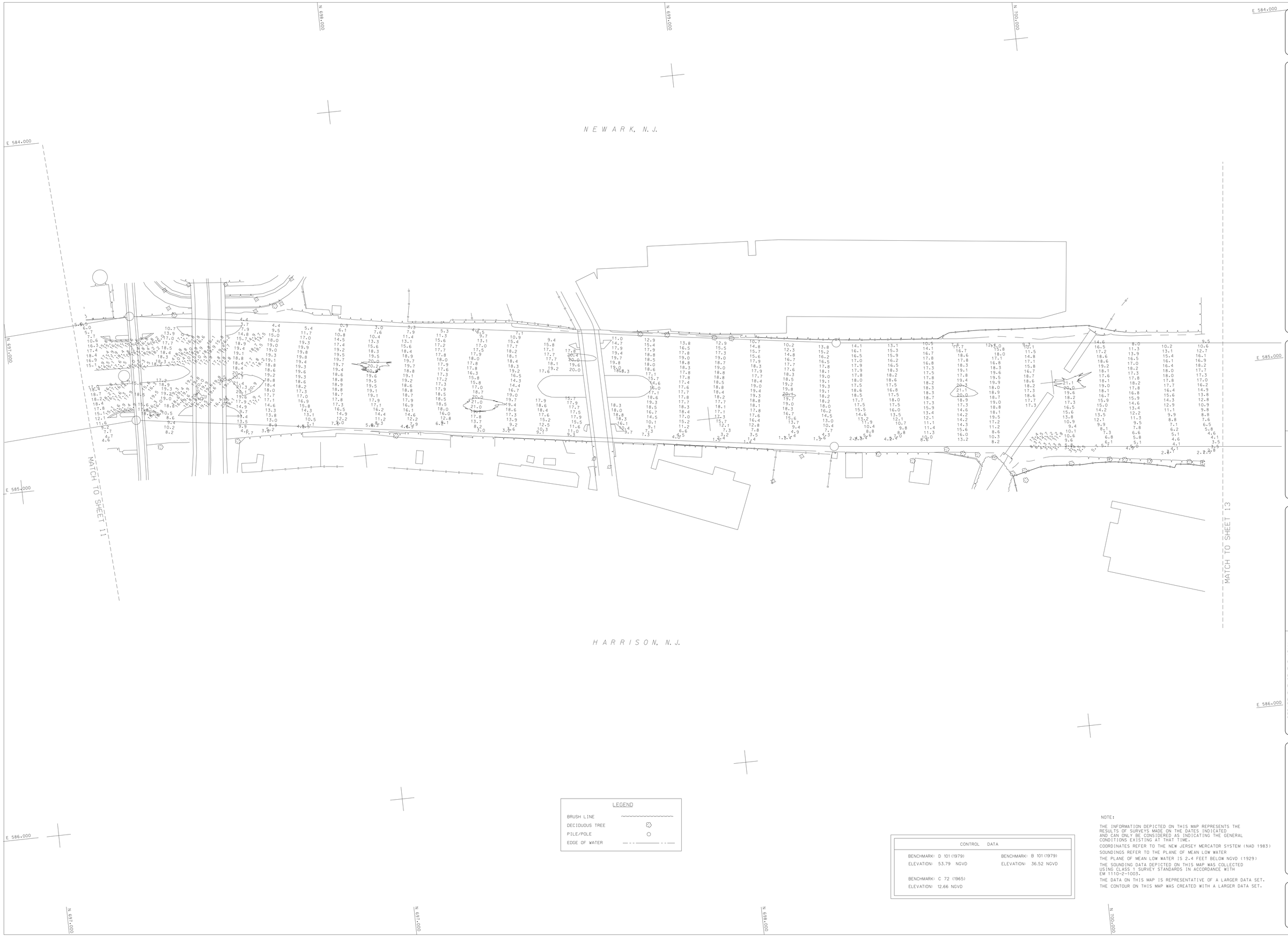
PASSAIC RIVER

CONDITION SURVEY

VH–111

SHEET 11 OF 15

879
2900



LEGEND

BRUSH LINE	
DECIDUOUS TREE	
PILE/POLE	
EDGE OF WATER	

CONTROL DATA

BENCHMARK: D 101 (1979)	BENCHMARK: B 101 (1979)
ELEVATION: 53.79 NGVD	ELEVATION: 36.52 NGVD
BENCHMARK: C 72 (1965)	
ELEVATION: 12.66 NGVD	

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.

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 IS 2.4 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.

THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

THE CONTOUR ON THIS MAP WAS CREATED WITH A LARGER DATA SET.

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DATES OF SURVEY: JUN - JULY 2006

FILE NO.: 879
REGESTA NO.: 2921

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: 142,19

APPROVED: D. SWAIN FIELD CARTOGRAPHER
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED: MEAN II LEAD CARTOGRAPHER
APPROVED: R. KISS CHIEF OF SURVEY
DATE: 21 JULY 2006

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEWARK BAY, HACKENSACK & PASSAIC RIVERS, N.J.

PASSAIC RIVER

CONDITION SURVEY

VH-112

SHEET 12 OF 15

879
2921

LEGEND

BRUSH LINE	
DECIDUOUS TREE	
PILE/POLE	
EDGE OF WATER	

CONTROL DATA

BENCHMARK: D 101 (1979)	BENCHMARK: B 101 (1979)
ELEVATION: 53.79 NGVD	ELEVATION: 36.52 NGVD
BENCHMARK: C 72 (1965)	
ELEVATION: 12.66 NGVD	

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.

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 IS 2.4 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.

THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.
THE CONTOUR ON THIS MAP WAS CREATED WITH A LARGER DATA SET.

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NEW YORK DISTRICT

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DATES OF SURVEY:
JUN - JULY 2006

FILE NO.: 879
REGRID NO.: 2921

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:
12219

APPROVED: D. SWAIN — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: BEAM II — LEAD CARTOGRAPHER
APPROVED: R. KISS — CHIEF OF SURVEY
DATE: 21 JULY 2006

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEWARK BAY, HACKENSACK & PASSAIC RIVERS, N.J.

PASSAIC RIVER

CONDITION SURVEY

VH-113

SHEET 13 OF 15

CONTROL DATA

BENCHMARK: D 101 (1979)
ELEVATION: 53.79 NGVD

BENCHMARK: B 101 (1979)
ELEVATION: 36.52 NGVD

BENCHMARK: C 72 (1965)
ELEVATION: 12.66 NGVD

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.

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

SOUNDINGS REFER TO THE PLANE OF MEAN LOW WATER FIELD BOOKS:

THE PLANE OF MEAN LOW WATER IS AS SHOWN BELOW NGVD (1929)

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

THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

THE CONTOUR ON THIS MAP WAS CREATED WITH A LARGER DATA SET.

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NEW YORK DISTRICT

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DATES OF SURVEY: JUN - JULY 2006

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: 14219

FILE NO.: 879
REQUEST NO.: 2921

APPROVED: D. SWAIN — FIELD CARTOGRAPHER
APPROVED: M. FORTE — CIVIL ENGINEERING TECHNICIAN
APPROVED: WAM II — LEAD CARTOGRAPHER
APPROVED: R. KISS — CHIEF OF SURVEY
DATE: 21 JULY 2006

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

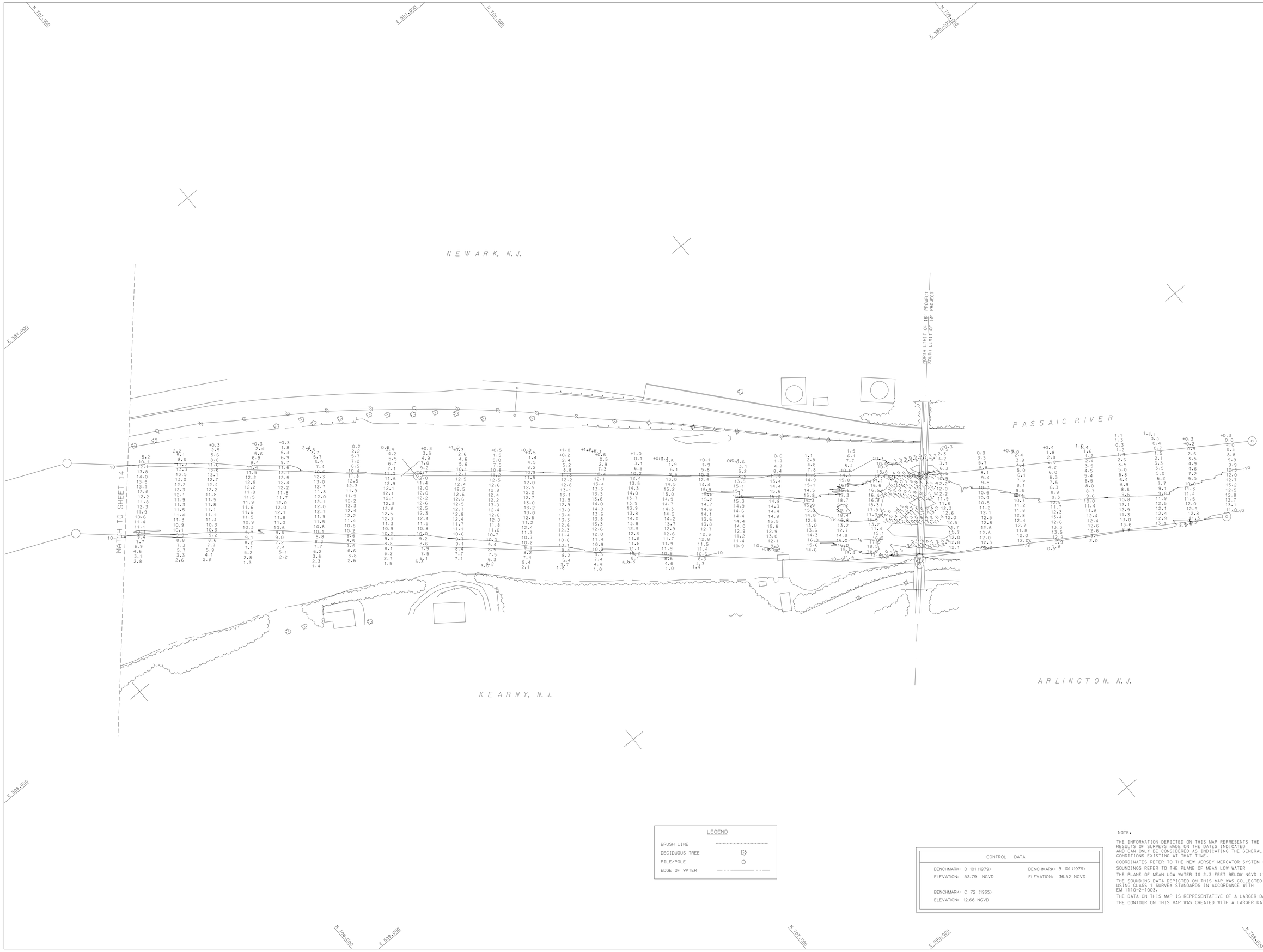
NEWARK BAY, HACKENSACK & PASSAIC RIVERS, N.J.

PASSAIC RIVER

CONDITION SURVEY

VH-114

879
2921



LEGEND

BRUSH LINE	
DECIDUOUS TREE	
PILE/POLE	
EDGE OF WATER	

CONTROL DATA

BENCHMARK: D 101 (1979)	BENCHMARK: B 101 (1979)
ELEVATION: 53.79 NGVD	ELEVATION: 36.52 NGVD
BENCHMARK: C 72 (1965)	
ELEVATION: 12.66 NGVD	

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.

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 IS 2.3 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.

THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

THE CONTOUR ON THIS MAP WAS CREATED WITH A LARGER DATA SET.

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DATES OF SURVEY: JUN - JUL Y 2006

FILE NO.: 879
REQUEST NO.: 2921

SCALE: ONE INCH = 100 FEET

FIELD BOOKS: 14219

APPROVED: D. SWAIN FIELD CARTOGRAPHER
APPROVED: M. FORTE DATA MANAGEMENT TECHNICIAN
APPROVED: MEAN II LEAD CARTOGRAPHER
APPROVED: R. KISS CHIEF OF SURVEY
DATE: 21 JULY 2006

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

NEWARK BAY, HACKENSACK & PASSAIC RIVERS, N.J.

PASSAIC RIVER

CONDITION SURVEY

VH-115

SHEET 15 OF 15

879
2921