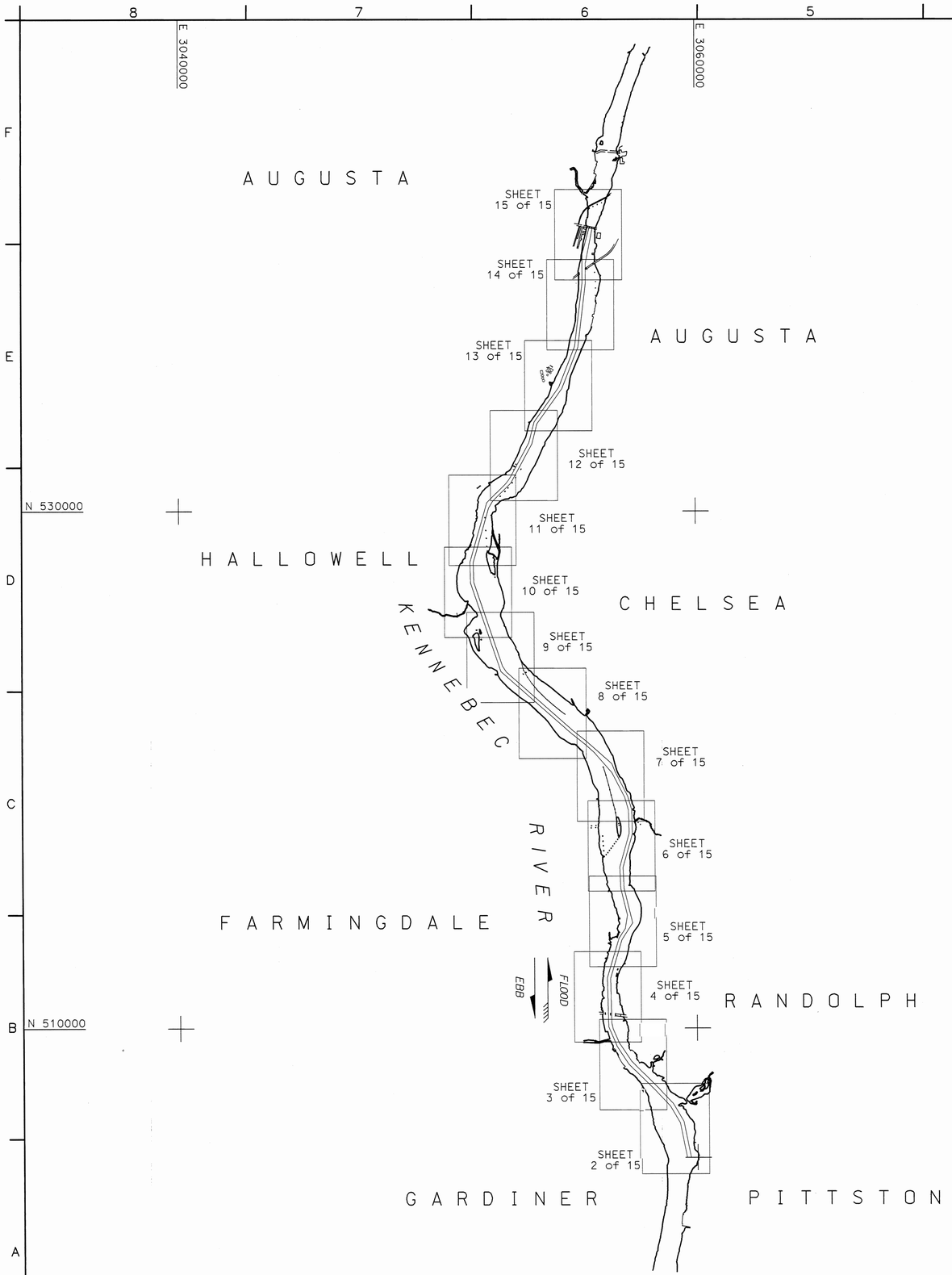
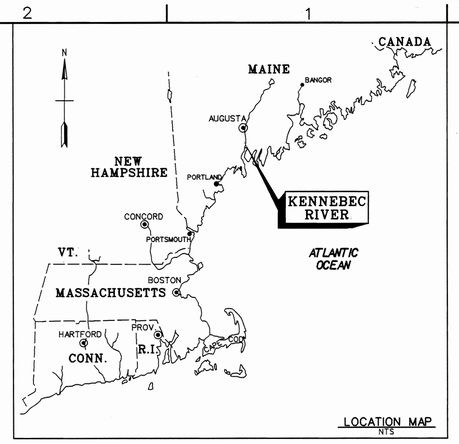


PLAN
SCALE: 1" = 2000'



LOCATION MAP
NTS

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-45	05/18/06	N 505009.45 E 3059560.75	44° - 13′ - 05.2″N 69° - 45′ - 33.3″W
GC-47	05/18/06	N 506322.76 E 3059326.66	44° - 13′ - 18.1″N 69° - 45′ - 36.4″W
GC-47A	05/19/06	N 509439.78 E 3056865.47	44° - 13′ - 49.0″N 69° - 46′ - 10.0″W
GC-47B	05/22/06	N 514082.48 E 3057401.39	44° - 14′ - 34.9″N 69° - 46′ - 02.4″W
RN-48	05/22/06	N 515346.78 E 3057222.51	44° - 14′ - 47.4″N 69° - 46′ - 04.7″W
RN-48A	05/22/06	N 516325.24 E 3057262.97	44° - 14′ - 57.0″N 69° - 46′ - 04.1″W
GC-51	05/24/06	N 520187.93 E 3056455.57	44° - 15′ - 35.2″N 69° - 46′ - 14.9″W
GC-53	05/24/06	N 522139.26 E 3054263.72	44° - 15′ - 54.6″N 69° - 46′ - 44.9″W
GC-61	05/23/06	N 525580.64 E 3051792.80	44° - 16′ - 28.7″N 69° - 47′ - 18.7″W
GC-63	05/23/06	N 526930.40 E 3051343.29	44° - 16′ - 42.0″N 69° - 47′ - 24.8″W
RN-64	05/23/06	N 527014.99 E 3051416.04	44° - 16′ - 42.8″N 69° - 47′ - 23.8″W
RN-68	05/23/06	N 527861.37 E 3051341.38	44° - 16′ - 51.2″N 69° - 47′ - 24.7″W
RN-68A	05/23/06	N 529708.42 E 3051853.90	44° - 17′ - 09.4″N 69° - 47′ - 17.6″W
RN-68B	05/23/06	N 530486.85 E 3052162.17	44° - 17′ - 17.1″N 69° - 47′ - 13.3″W
RN-70	05/23/06	N 530964.18 E 3052794.14	44° - 17′ - 21.8″N 69° - 47′ - 04.6″W
GC-75	05/09/06	N 533990.13 E 3054171.15	44° - 17′ - 51.6″N 69° - 46′ - 45.4″W
GC-79	05/09/06	N 534709.81 E 3054715.02	44° - 17′ - 58.7″N 69° - 46′ - 37.9″W
RN-82	05/08/06	N 537692.20 E 3055613.83	44° - 18′ - 28.1″N 69° - 46′ - 25.4″W

GENERAL NOTES:

1. Soundings are in feet and tenths and refer to the plane of Mean Lower Low Water (MLLW) 1983-2001 Tidal Epoch.
2. Topography shown is from previous surveys and/or NOAA Chart No. 13297. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Bench Mark Data: Vertical depths were obtained using RTK technology. A "Hypack" Kinematic Tidal Datum (KTD) file was used to reduce any significant water level differences between tide stations. The MLLW to NAVD88 corrections used to create the KTD file were obtained from the following reference marks:
   Station Gardiner (2006): Elevation 9.10′ (NAVD88) 11.27′ (MLLW)
   Station Roll (2006): Elevation 29.14′ (NAVD88) 31.42′ (MLLW)
   Station Napa (2006): Elevation 54.06′ (NAVD88) 56.19′ (MLLW)
   Station Hallowell (2006) Elevation 15.79′ (NAVD88) 17.11′ (MLLW)
   Station Augusta (2006) Elevation 7.56′ (NAVD88) 7.60′ (MLLW)
   Descriptions of these stations available upon request. The MLLW elevations were derived from NOAA bench mark publication 84171.34 dated 2/27/06.
4. Coordinates shown are based on the Transverse Mercator Grid System for the State of Maine (West Zone 1802) and NAD 1983.
5. Survey was performed using a Reson 8124 mutlibeam echosounder system with a 200 kHz transducer. Horizontal positioning was obtained utilizing a Leica 1200 GPS System.
6. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted from April to May 2006.
7. The sounding information depicted on these maps should NOT be used to determine volumes. Volumes are determined from more sounding information than shown. Additional sounding information is available upon request.
8. The information depicted on these maps represents the results of surveys made on the dates indicated, and can only be considered as indicating the general conditions existing at that time.
9. Field Books: R&H 4456, 4457 and 4458
   Survey No. 06-823

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

Surveyed by: Jeffrey W. Pingston, Hydrographic Tech.
Plotted By: Stephen V. Talley
Date: 7/10/2007
Design Mgr.
Chief, Survey Section
Asst. Chief, Survey Section
Chief, Survey Division
Drawing code: 2636
File name: KENV101.S01
Plot date: 07/10/07
Plot scale: 1" = 2000'
Rev.

KENNEBEC RIVER
FROM GARDINER TO AUGUSTA, MAINE
CONDITION/SWEEP SURVEY

11 AND 16-FOOT CHANNELS

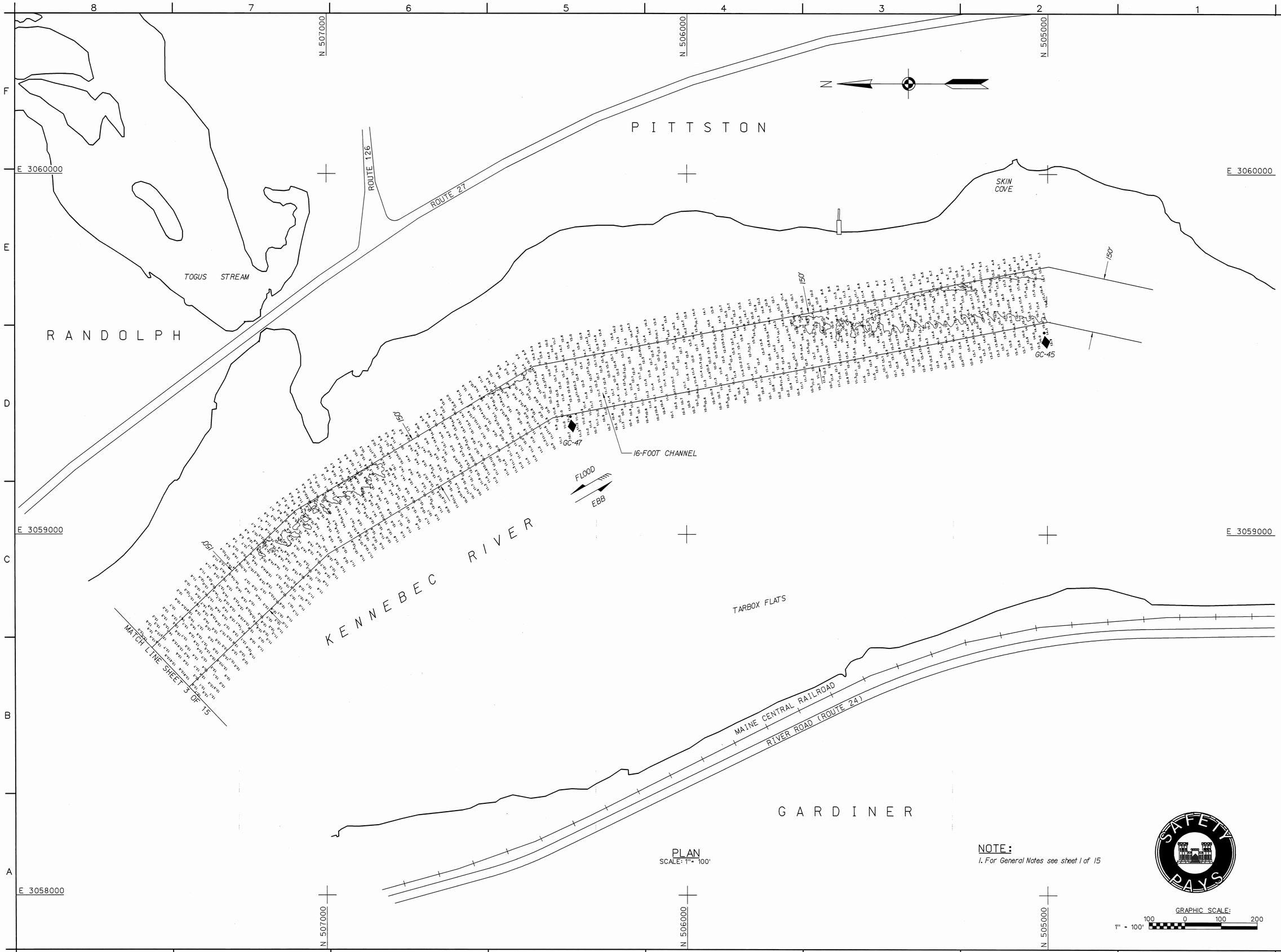
Reference number:
V-101
Sheet 1 of 15

SAFETY PAYS

GRAPHIC SCALE:
1" = 2000'
2000 0 2000 4000

Scanned Record July 2007

KKenv101s01c 7/10/2007 8:53:44 AM



PLAN
SCALE: 1" = 100'

NOTE:
1. For General Notes see sheet 1 of 15

GRAPHIC SCALE:
1" = 100'
100 0 100 200

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

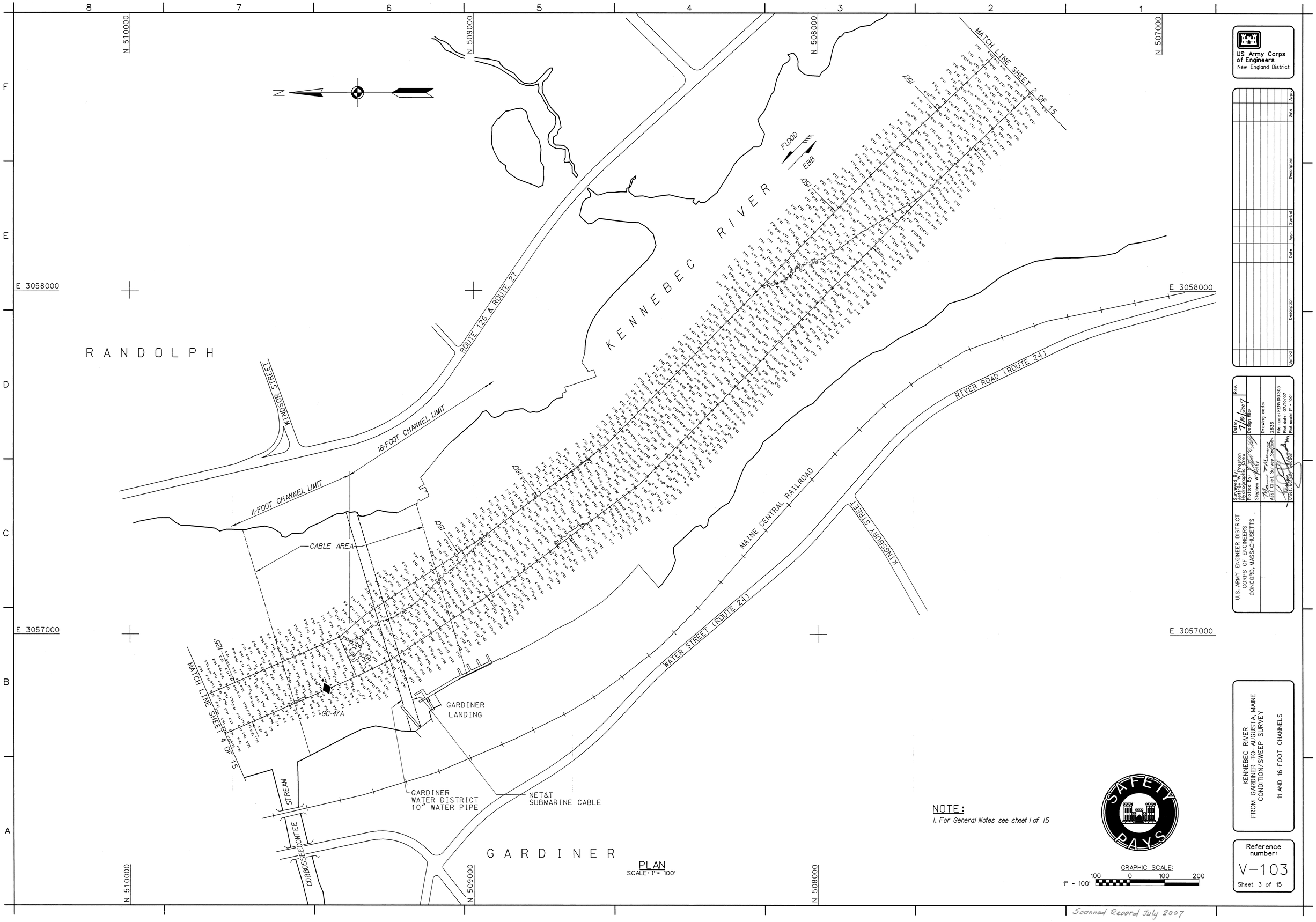
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

Surveyed By: Jeffrey W. Preston, Hydrographic Crew
Plotted By: Stephen W. Kelley
Asst. Chief, Survey Section
Chief, Survey Section
Date: 7/16/2007
Rev.
Design file:
Drawing code: 2636
File name: KENV102.S02
Plot date: 07/10/07
Plot scale: 1" = 100'

KENNEBEC RIVER
FROM GARDINER TO AUGUSTA, MAINE
CONDITION/SWEEP SURVEY
11 AND 16-FOOT CHANNELS

Reference number:
V-102
Sheet 2 of 15

Scanned Record July 2007



PLAN
SCALE: 1" = 100'

NOTE:
1. For General Notes see sheet 1 of 15

GRAPHIC SCALE:
1" = 100'
100 0 100 200

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

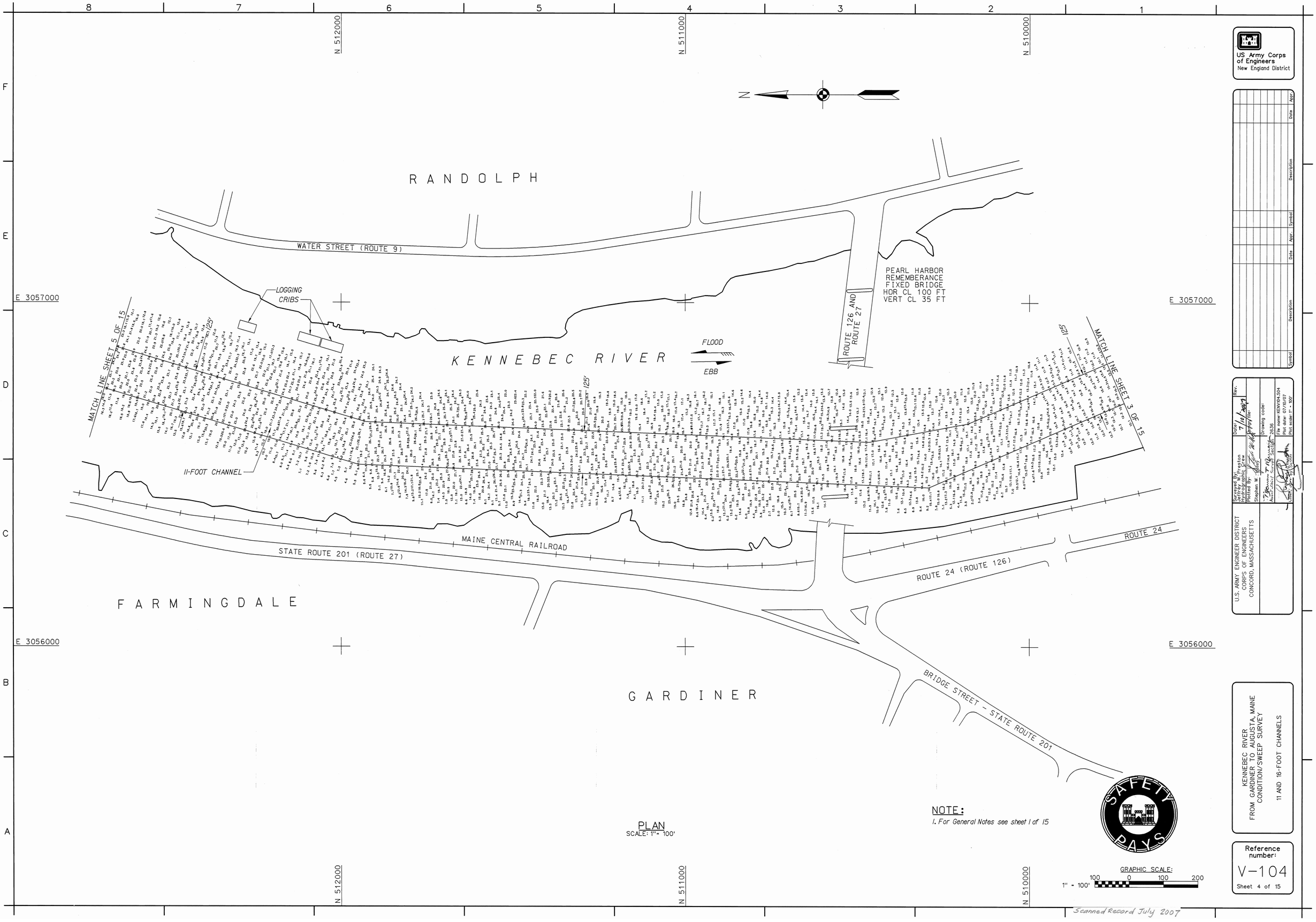
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

Surveyed By: Jeffrey W. Preston, Hydrographic Crew
Plotted By: Stephen W. Kelley
Asst. Chief, Survey Section
Chief, Survey Section
Date: 7/10/2007
Design File:
Drawing code: 2636
File name: KENV103.S03
Plot date: 07/10/07
Plot scale: 1" = 100'
Rev.

KENNEBEC RIVER
FROM GARDINER TO AUGUSTA, MAINE
CONDITION/SWEEP SURVEY
11 AND 16-FOOT CHANNELS

Reference number:
V-103
Sheet 3 of 15

Scanned Record July 2007



PLAN
SCALE: 1"= 100'

NOTE:
1. For General Notes see sheet 1 of 15

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

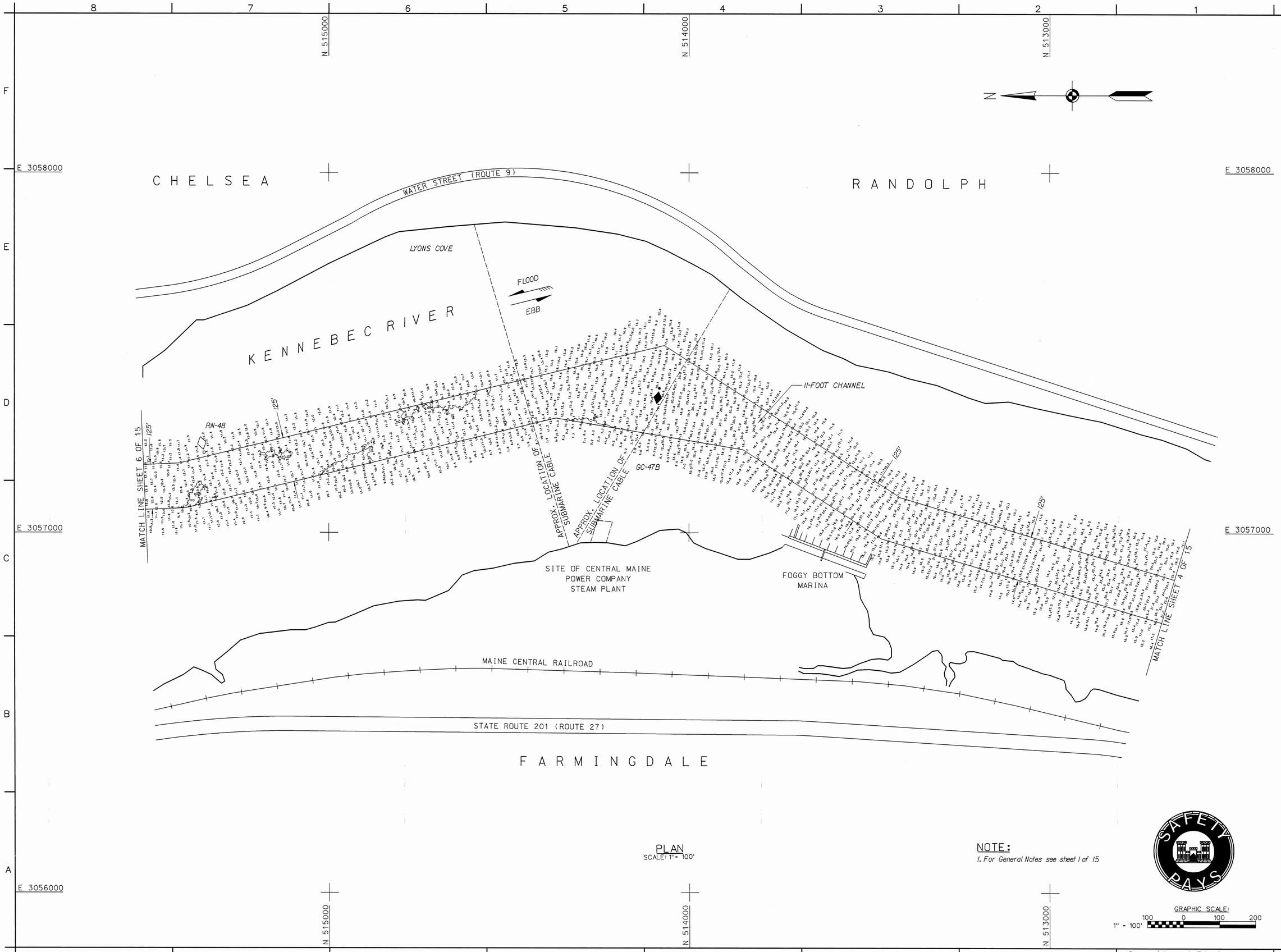
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

Surveyed By: Jeffrey W. Preston, Hydrographic Crew
Plotted By: Stephen W. Roberts
Date: 7/10/2007
Drawing code: 2636
File name: KEN104.S04
Plot date: 07/10/07
Plot scale: 1" = 100'

KENNEBEC RIVER
FROM GARDINER TO AUGUSTA, MAINE
CONDITION/SWEEP SURVEY
11 AND 16-FOOT CHANNELS

Reference number:
V-104
Sheet 4 of 15

Scanned Record July 2007



PLAN
SCALE: 1" = 100'

NOTE:
1. For General Notes see sheet 1 of 15

GRAPHIC SCALE:
1" = 100'
100 0 100 200

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

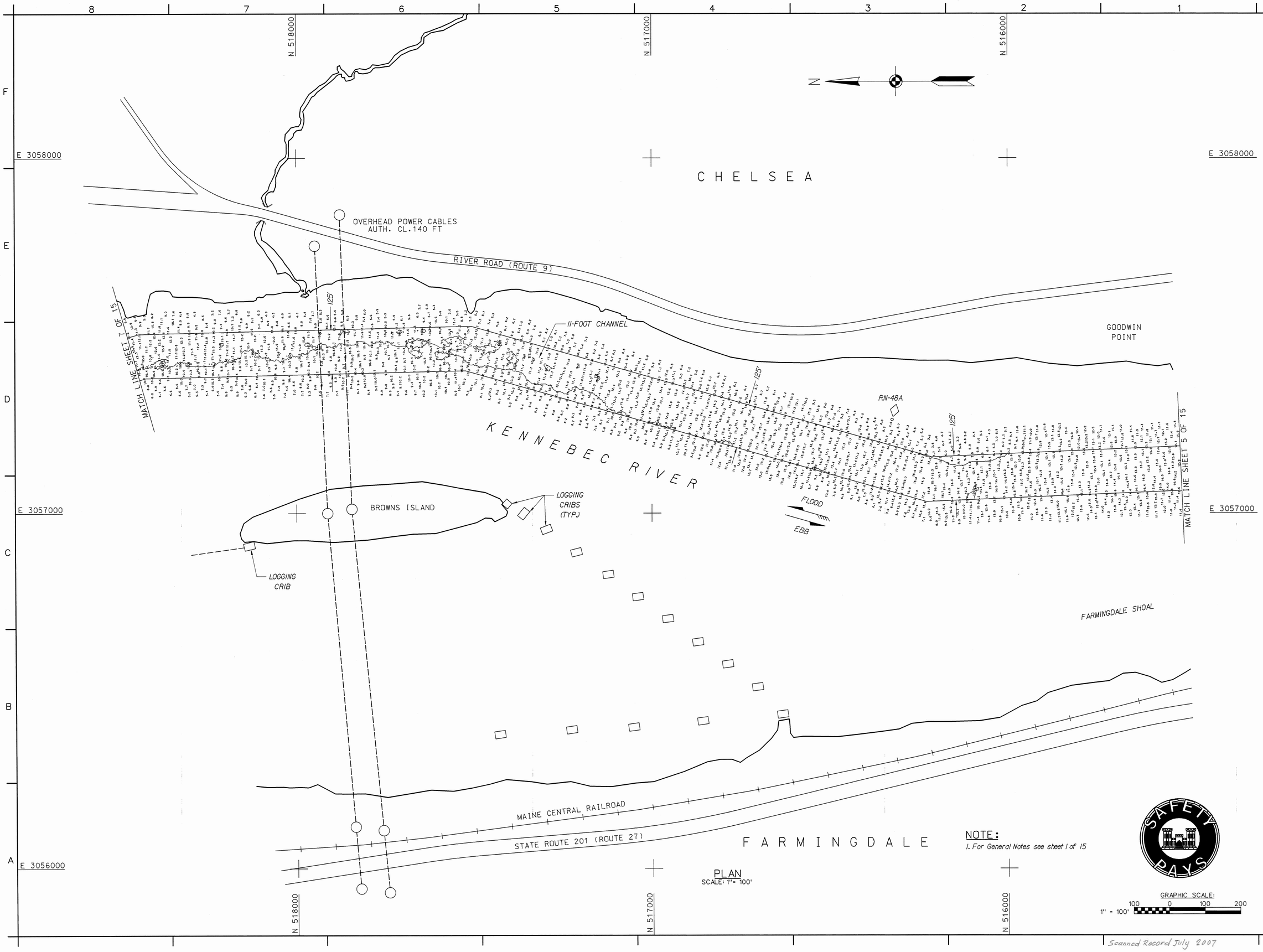
Surveyed By: Jeffrey W. Preston
Hydrographic Tech
Plotted By: Stephen W. Kelley
Asst. Chief, Survey Section
Chief, Survey Section

Date: 7/10/2007
Design file:
Drawing code: 2636
File name: KENV105.S05
Plot date: 07/10/07
Plot scale: 1" = 100'

KENNEBEC RIVER
FROM GARDINER TO AUGUSTA, MAINE
CONDITION/SWEEP SURVEY
11 AND 16-FOOT CHANNELS

Reference number:
V-105
Sheet 5 of 15

Scanned Record July 2007



PLAN
SCALE: 1" = 100'

NOTE:
1. For General Notes see sheet 1 of 15

GRAPHIC SCALE:
1" = 100'
100 0 100 200

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

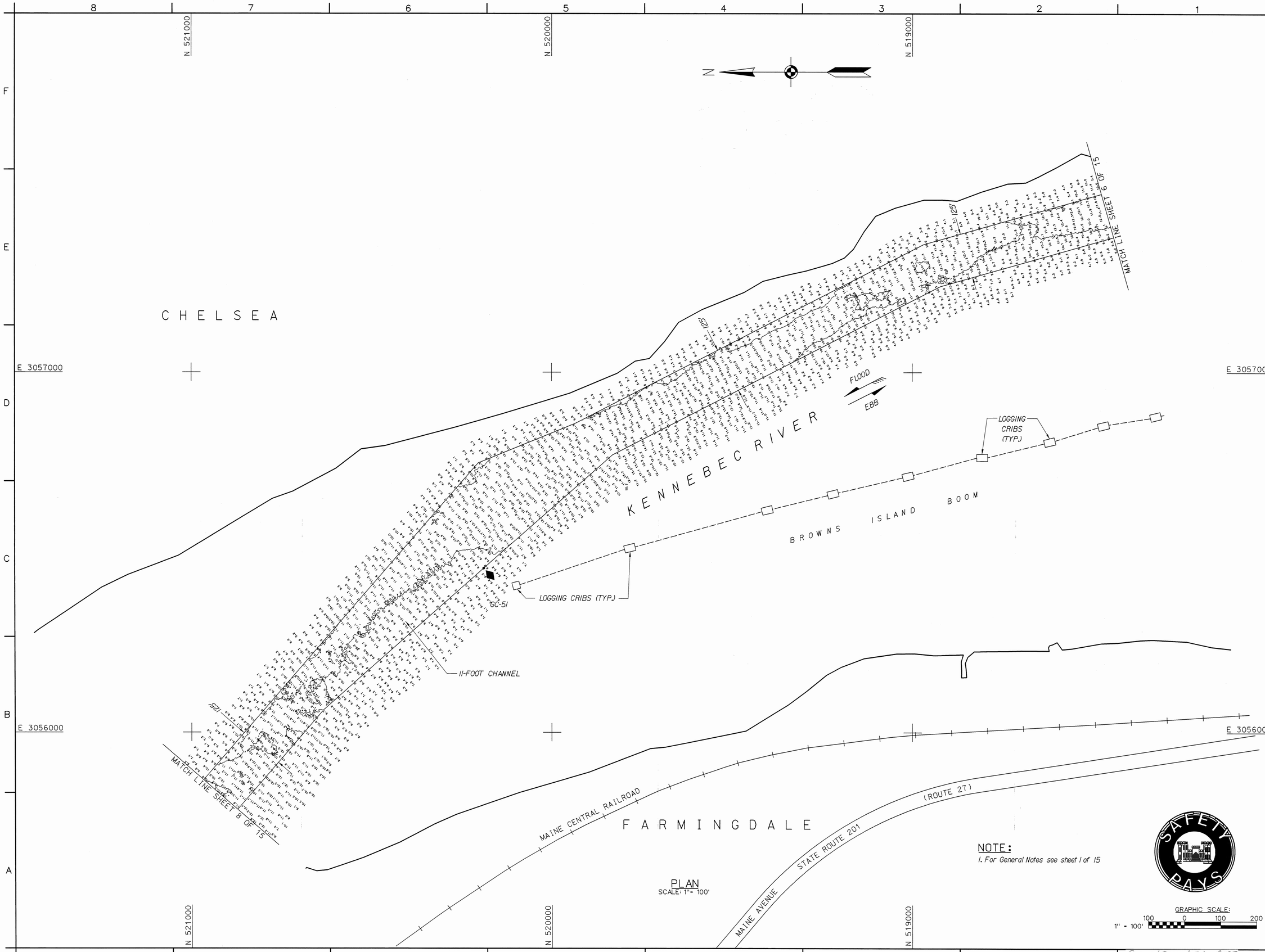
Surveyed by: Jeffrey W. Preston, Hydrographic Engr.
Plotted by: Stephen Kelley
Drawing code: 2636
File name: KENV106.S06
Plot date: 07/10/07
Plot scale: 1" = 100'
Date: 7/10/2007
Design file:
Rev.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

KENNEBEC RIVER
FROM GARDINER TO AUGUSTA, MAINE
CONDITION/SWEEP SURVEY
11 AND 16-FOOT CHANNELS

Reference number:
V-106
Sheet 6 of 15

Scanned Record July 2007



PLAN
SCALE: 1" = 100'

NOTE:
1. For General Notes see sheet 1 of 15

GRAPHIC SCALE:
1" = 100'
100 0 100 200

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

Surveyed By: Jeffrey W. Preston, Hydrographic Crew
Plotted By: Stephen W. Kelley
Date: 7/10/2007
Design file:
Drawing code: 2636
File name: KENV107.S07
Plot date: 07/10/07
Plot scale: 1" = 100'
Chief, Surv. Section
Asst. Chief, Survey Section
Rev.

KENNEBEC RIVER
FROM GARDINER TO AUGUSTA, MAINE
CONDITION/SWEEP SURVEY
11 AND 16-FOOT CHANNELS

Reference number:
V-107
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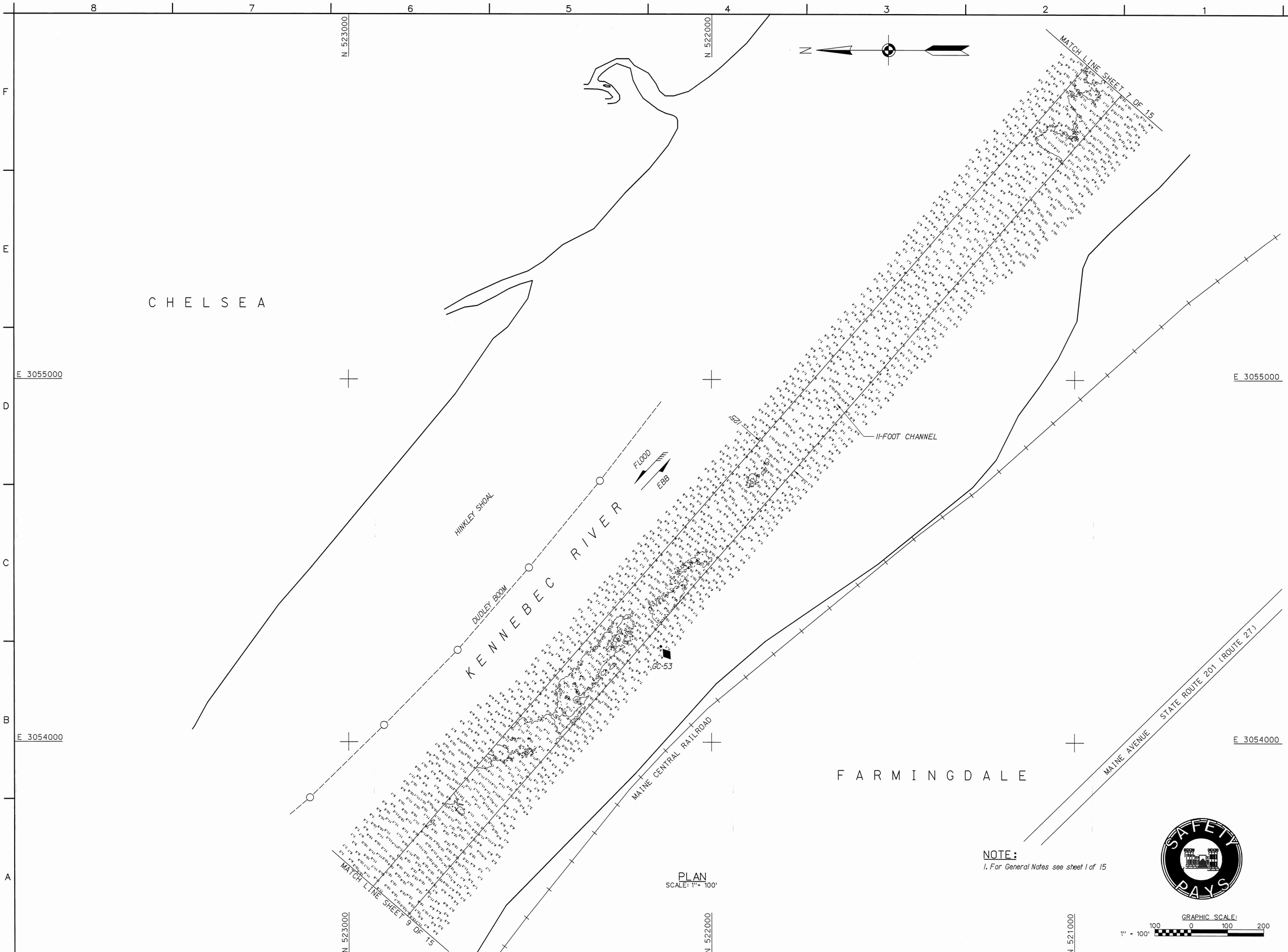
Scanned Record July 2007



PLAN
SCALE: 1" = 100'

NOTE:
1. For General Notes see sheet 1 of 15

GRAPHIC SCALE:
1" = 100'
100 0 100 200

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

Surveyed By: Jeffrey W. Preston
Hydrographic Crew
Plotted By: Stephen W. Kelley
Asst. Chief, Survey Section
Chief, Survey Section

Date: 7/10/2007
Rev.
Lead file: 1
Drawing code: 2636
File name: KENV108.S08
Plot date: 07/10/07
Plot scale: 1" = 100'

KENNEBEC RIVER
FROM GARDINER TO AUGUSTA, MAINE
CONDITION/SWEEP SURVEY
11 AND 16-FOOT CHANNELS

Reference number:
V-108
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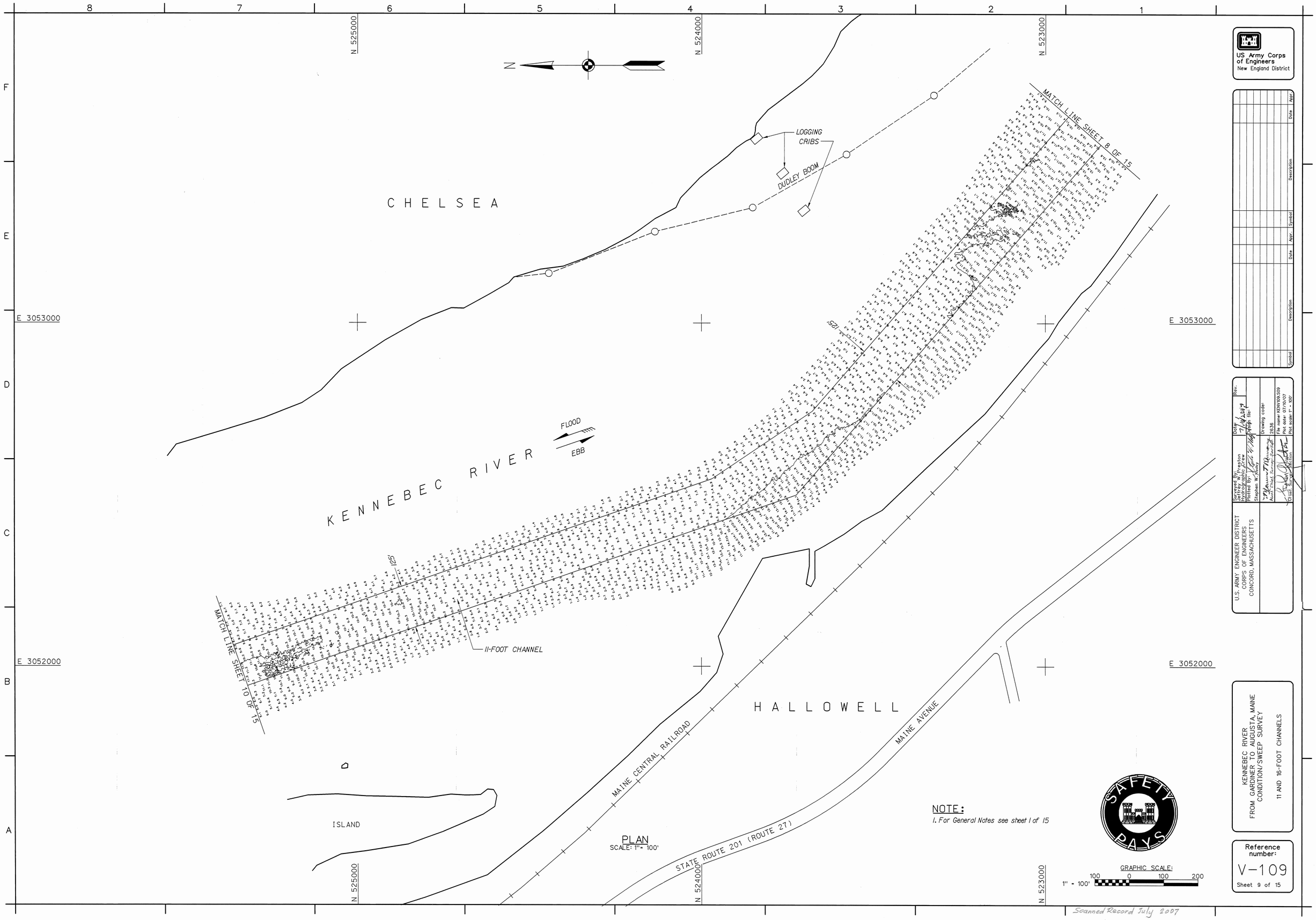
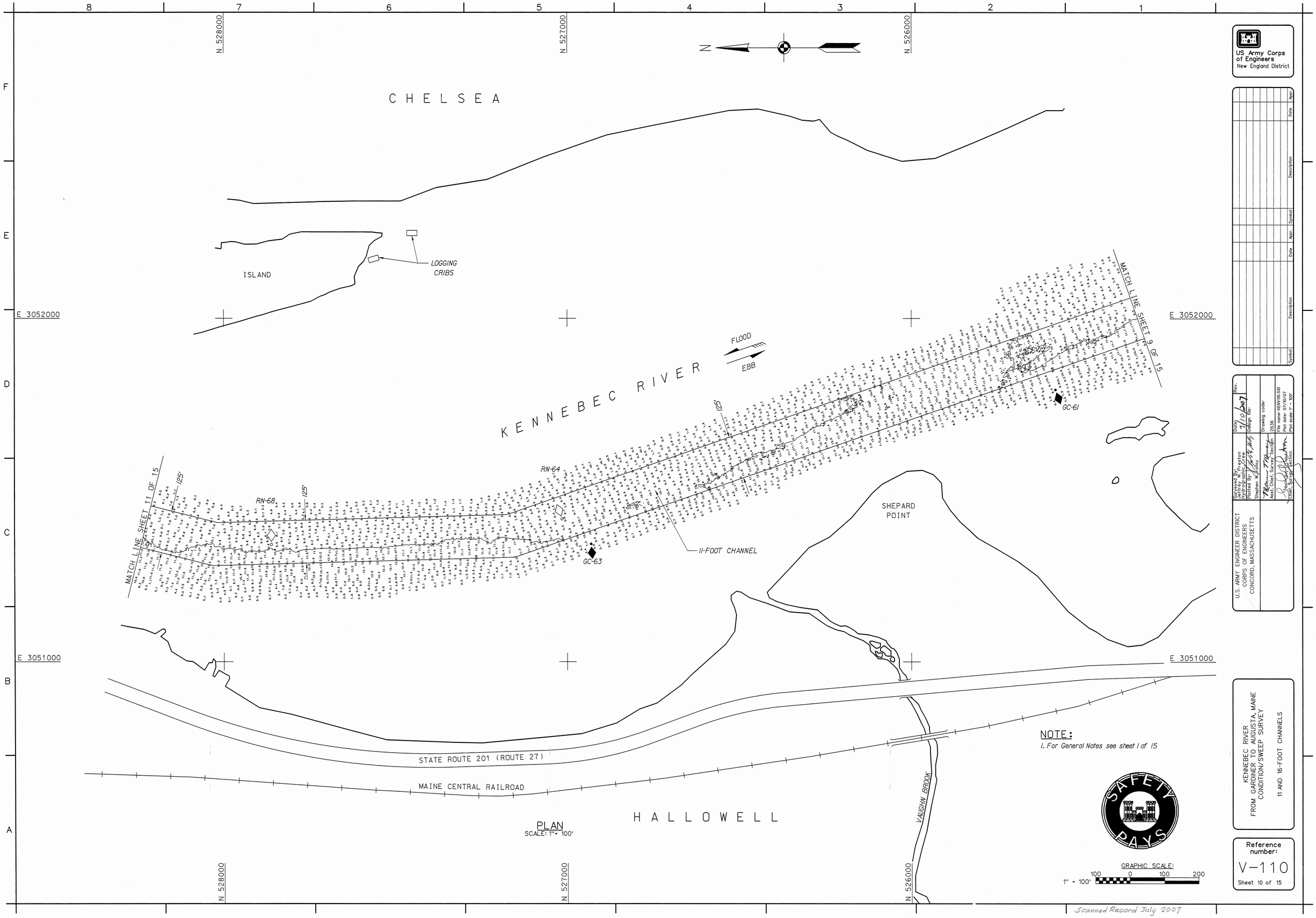
Scanned Record July 2007

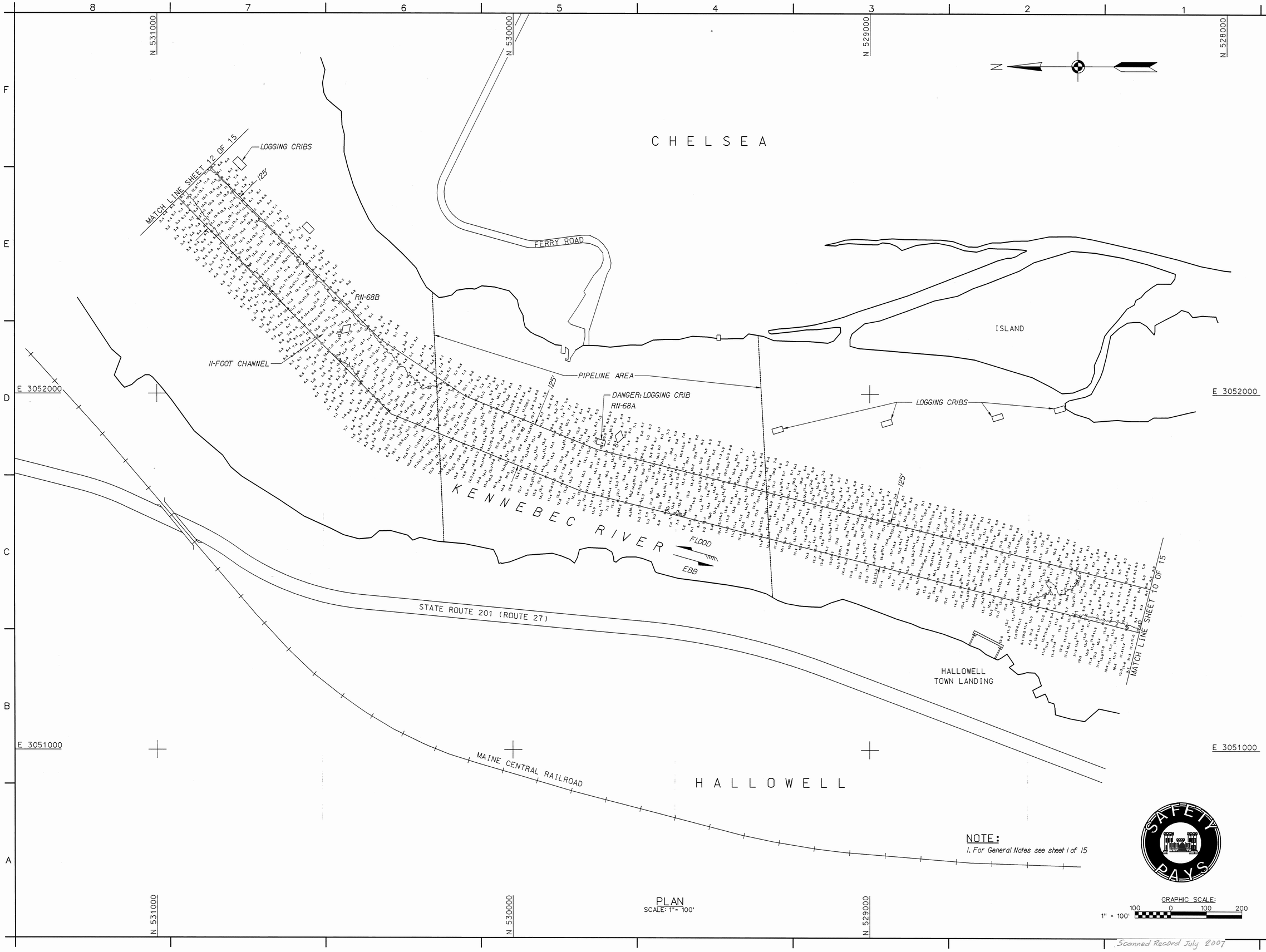


NOTE:
1. For General Notes see sheet 1 of 15



NOTE:

1. For General Notes see sheet 1 of 15



NOTE:
1. For General Notes see sheet 1 of 15

PLAN
SCALE: 1" = 100'

GRAPHIC SCALE:
1" = 100'
100 0 100 200

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

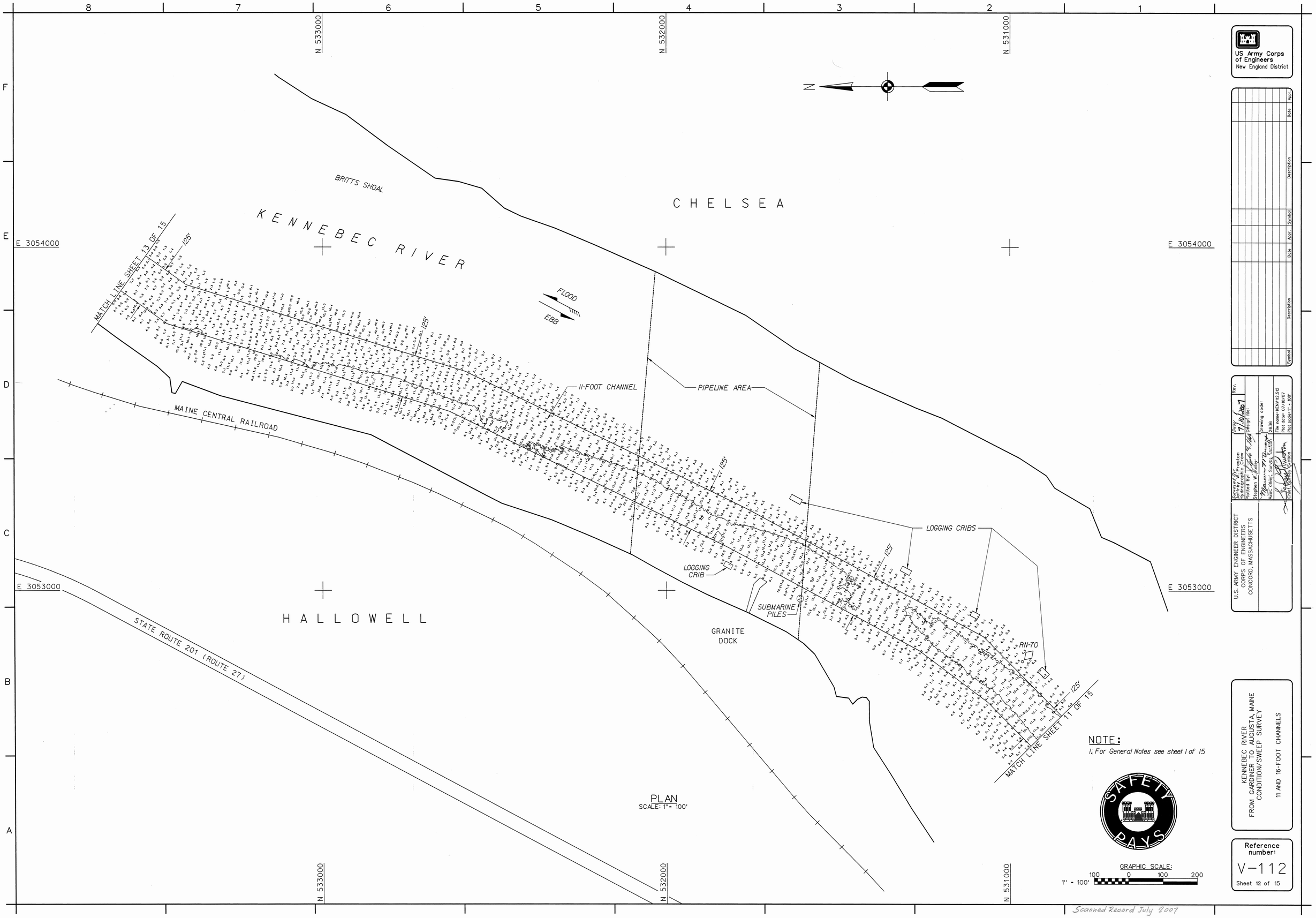
Surveyed By: Jeffrey W. Preston
Hydrographic Crew
Plotted By: Stephen W. Kelley
Asst. Chief, Survey Section
Date: 7/9/2007
Rev.
Drawing code: 2636
File name: KEN/111.S11
Plot date: 07/10/07
Plot scale: 1" = 100'

KENNEBEC RIVER
FROM GARDINER TO AUGUSTA, MAINE
CONDITION/SWEEP SURVEY
11 AND 16-FOOT CHANNELS

Reference number:
V-111
Sheet 11 of 15

SAFETY PAYS

Scanned Record July 2007



PLAN
SCALE: 1" = 100'

NOTE:
1. For General Notes see sheet 1 of 15

GRAPHIC SCALE:
1" = 100'
100 0 100 200

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

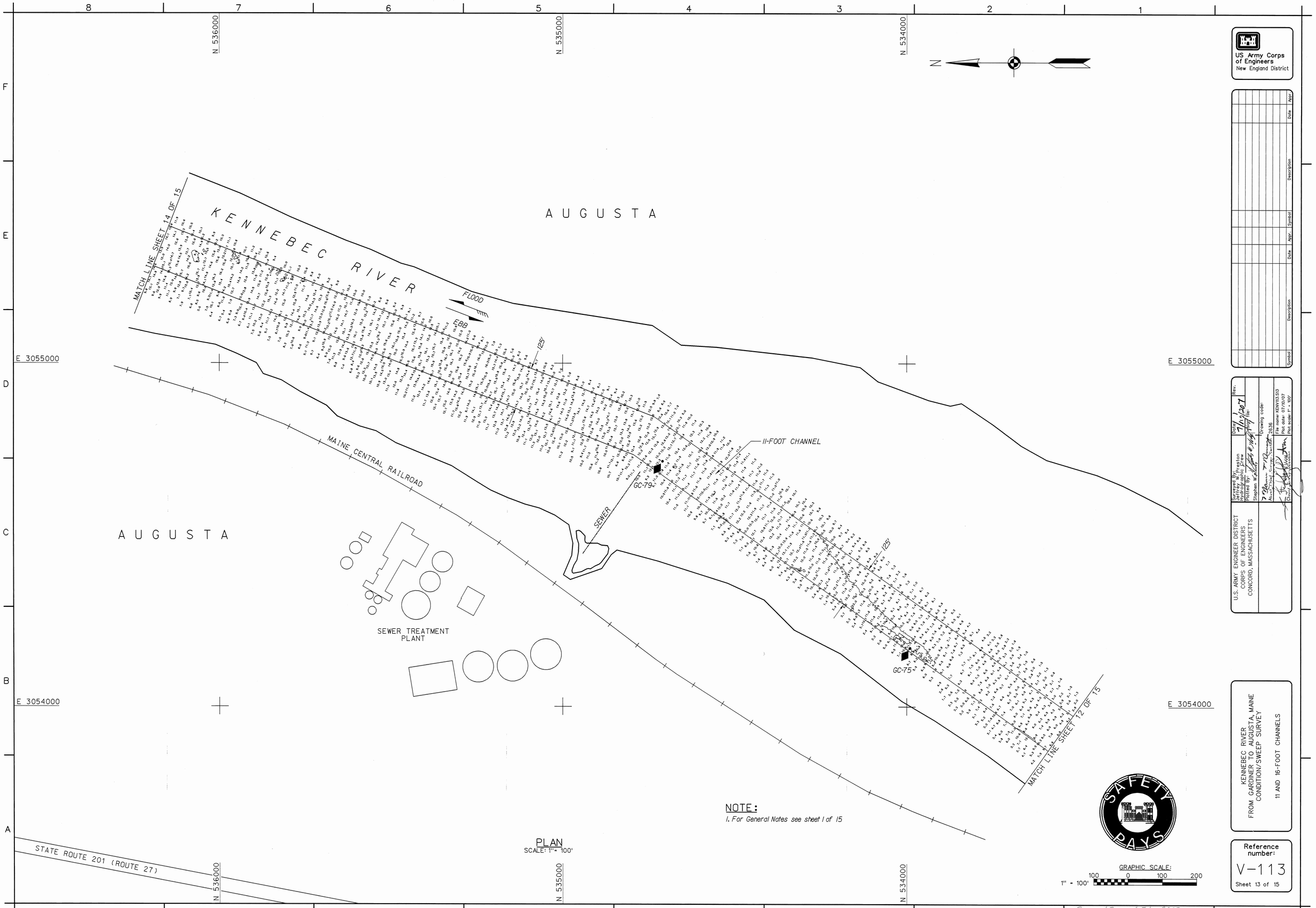
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

Surveyed by: Jeffrey W. Preston, Hydrographic Crew
Plotted By: Stephen W. Kelley
Asst. Chief, Survey Section
Chief, Survey Section
Date: 7/10/2007
Rev.
Design file:
Drawing code: 2636
File name: KENV112.S12
Plot date: 07/10/07
Plot scale: 1" = 100'

KENNEBEC RIVER
FROM GARDINER TO AUGUSTA, MAINE
CONDITION/SWEEP SURVEY
11 AND 16-FOOT CHANNELS

Reference number:
V-112
Sheet 12 of 15

Scanned Record July 2007



NOTE:
1. For General Notes see sheet 1 of 15

PLAN
SCALE: 1" = 100'

GRAPHIC SCALE:
1" = 100'
100 0 100 200

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

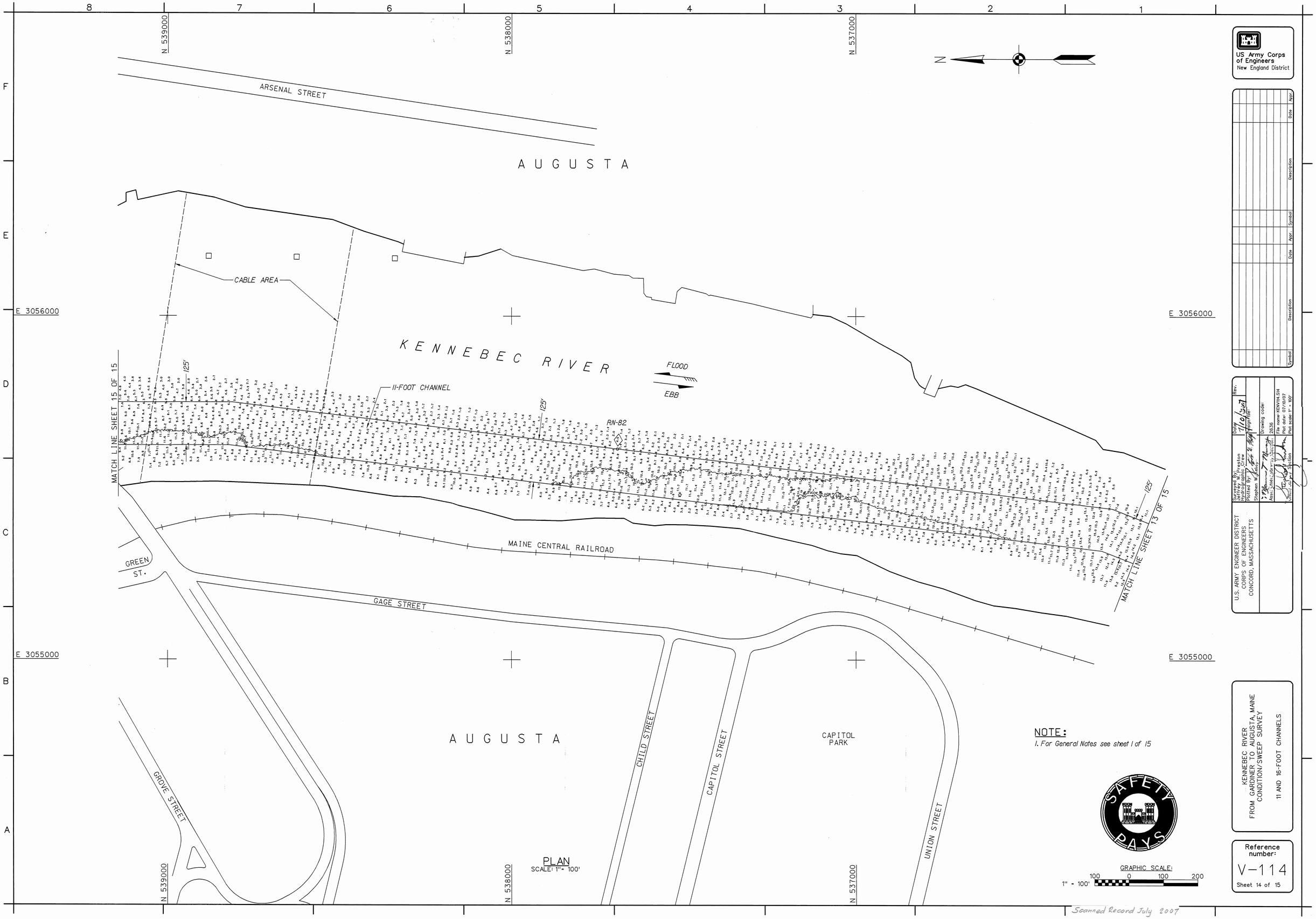
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

Surveyed by: Jeffrey W. Preston, Hydrographic Crew
Plotted by: Stephen W. Kenney
Date: 7/10/2007
Rev.
Design file:
Drawing code: 2636
File name: KENV113.S13
Plot date: 07/10/07
Plot scale: 1" = 100'
Chief, Engineering Division

KENNEBEC RIVER
FROM GARDINER TO AUGUSTA, MAINE
CONDITION/SWEEP SURVEY
11 AND 16-FOOT CHANNELS

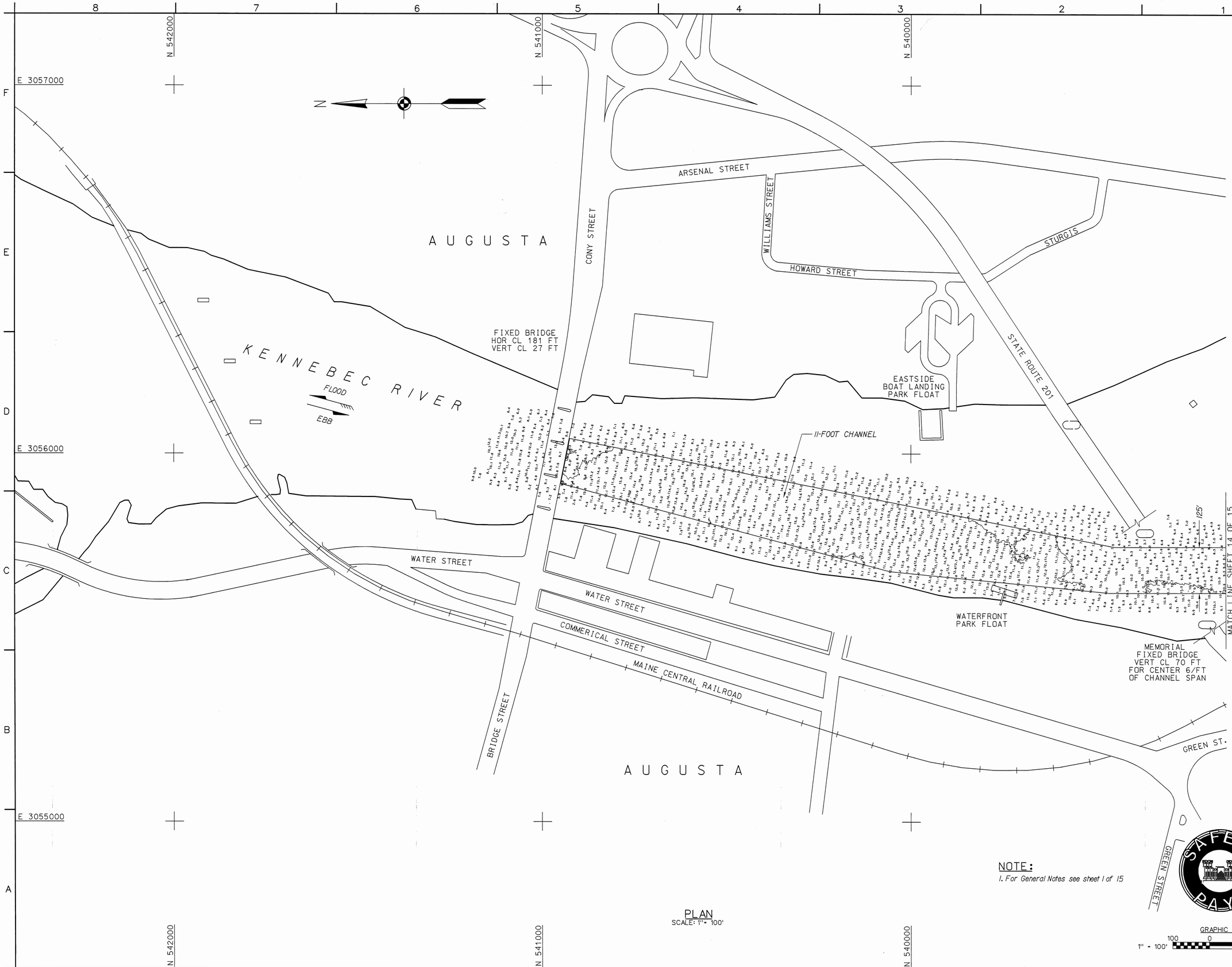
Reference number:
V-113
Sheet 13 of 15

Scanned Record July 2007



NOTE:

1. For General Notes see sheet 1 of 15



NOTE:
1. For General Notes see sheet 1 of 15

PLAN
SCALE: 1" = 100'

GRAPHIC SCALE:
1" = 100'
100 0 100 200

US Army Corps of Engineers
New England District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
CONCORD, MASSACHUSETTS

Surveyed By: Jeffrey W. Preston, Hydrographic Crew
Plotted By: Stephen W. Kelley
Date: 7/14/2007
Design File:
Drawing code: 2636
File name: KENV115.S15
Plot date: 07/10/07
Plot scale: 1" = 100'
Chief, Survey Section
Project Engineer

KENNEBEC RIVER
FROM GARDINER TO AUGUSTA, MAINE
CONDITION/SWEEP SURVEY
11 AND 16-FOOT CHANNELS

Reference number:
V-115
Sheet 15 of 15

Scanned Record July 2007