



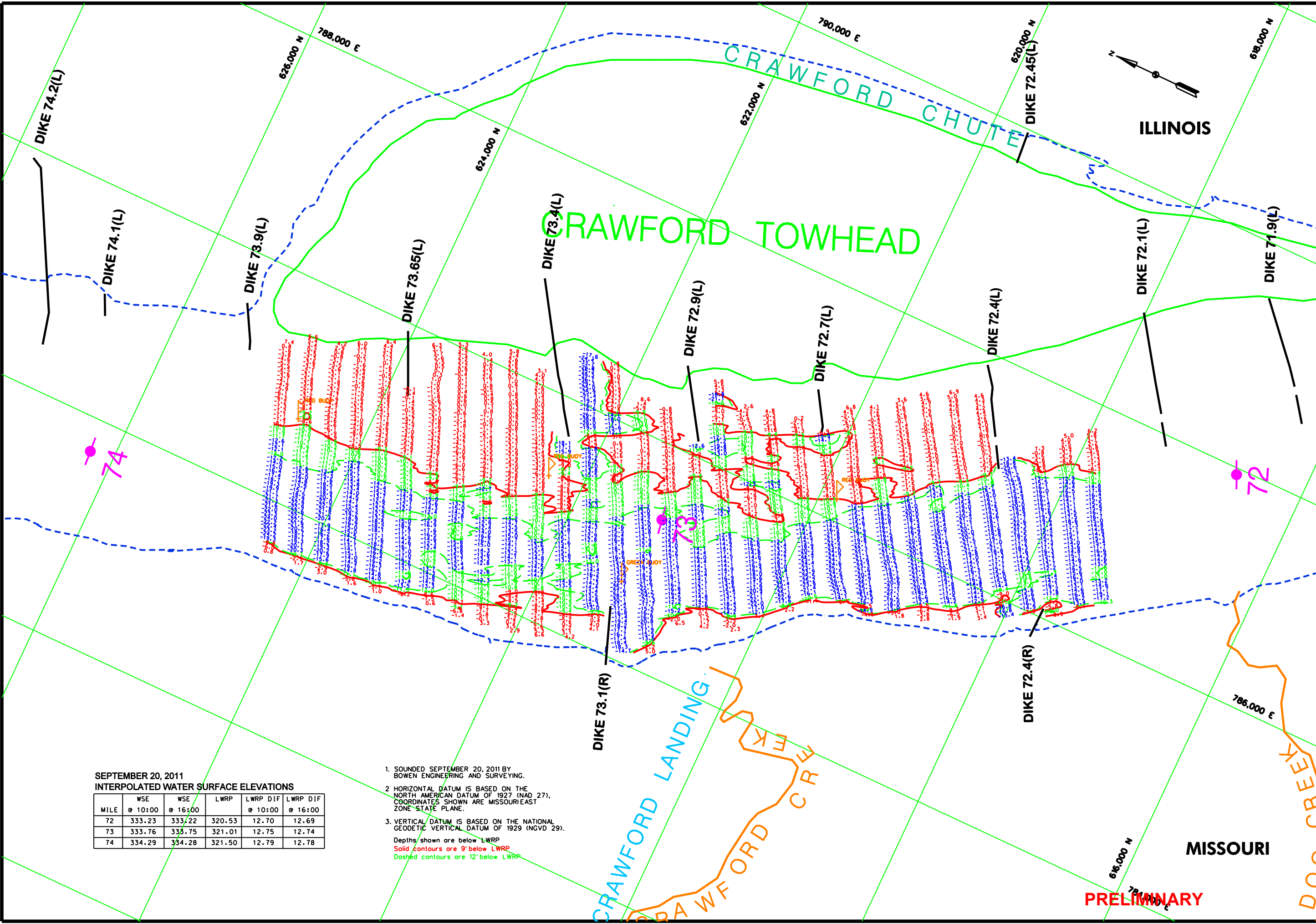
US Army Corps of Engineers  
St. Louis District

GAZE RECORD	CAPE GRAND, MO	GRAND TOWER, L
ZERO N.G.V.D.	304.65	321.93
MILE	32.1	81.9
L. W. R. P.	309.9	325.3
20 SEP 2011	18,080,000 18,011,000	8,510,000 8,516,000
ELEVATION AS REFERRED TO N.G.V.D. CONTIGUOUS ARE BLOP 886-31 USE WATER REFERENCE PLATE L.S.P. 154-000 C.2.1		

U.S. ARMY ENGINEER DIVISION	Survey Date: SEPTEMBER 20, 2011
CORPS OF ENGINEERS	Surveyed by: BOWEN ENGINEERING
ST. LOUIS, MISSOURI	Drawn by: X
UPPER MISSISSIPPI RIVER BASIN	Checked by: X
MISSISSIPPI RIVER	Submittal: L. J. KEM
	Chief, Eng. Data Mngt. Sect.
	Chief, Geospatial Branch
	File Name: MISSISSIPPI/UPPER/154000.C.2.1

0 200 400 600 800 1000 METERS
0 400 800 1200 FEET
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A PRELIMINARY SURVEY AND IS NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN CONSENT OF THE DISTRICT ENGINEER.
PRE DREDGE SURVEY
RIVER MILES 73.7 - 72.3

PLATE NUMBER  
XX



SEPTEMBER 20, 2011  
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 10:00	WSE @ 16:00	LWRP @ 10:00	LWRP DIF @ 10:00	LWRP DIF @ 16:00
72	333.23	333.22	320.53	12.70	12.69
73	333.76	333.75	321.01	12.75	12.74
74	334.29	334.28	321.50	12.79	12.78

1. SOUNDED SEPTEMBER 20, 2011 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27). COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.
3. VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).  
Depths shown are below LWRP  
Solid contours are 9' below LWRP  
Dashed contours are 12' below LWRP

PRELIMINARY

DOCK CREEK

CRAWFORD LANDING  
CRAWFORD

ILLINOIS

MISSOURI