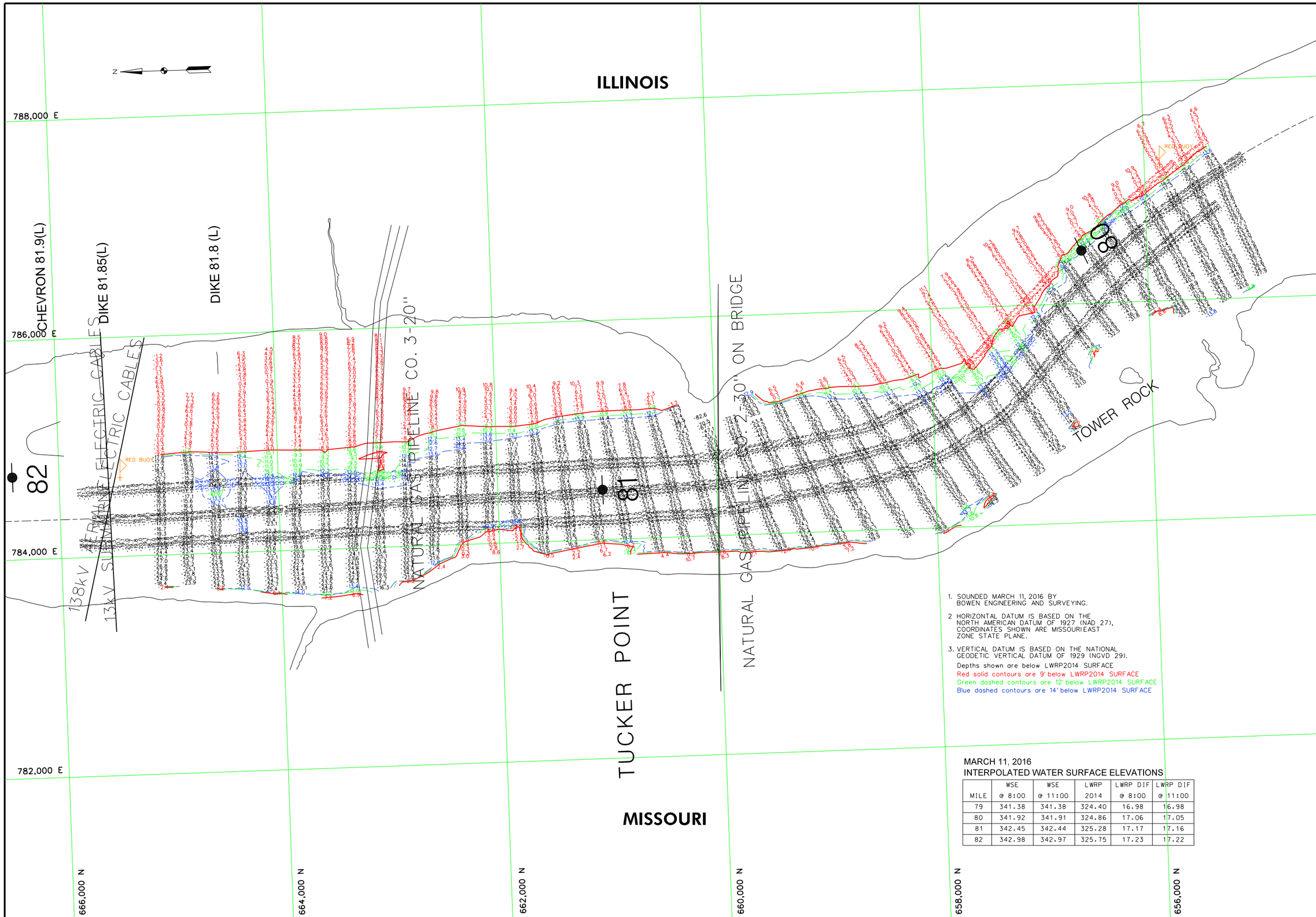

1. SOUNDED MARCH 11, 2016 BY BOWEN ENGINEERING AND SURVEYING.
2. HORIZONTAL DATUM IS BASED ON THE NORTH AMERICAN DATUM OF 1927 (NAD 27), COORDINATES SHOWN ARE MISSOURI EAST ZONE STATE PLANE.
3. VERTICAL DATUM IS BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29).

Depths shown are below LWRP2014 SURFACE
Red solid contours are 9' below LWRP2014 SURFACE
Green dashed contours are 12' below LWRP2014 SURFACE
Blue dashed contours are 14' below LWRP2014 SURFACE

MARCH 11, 2016
INTERPOLATED WATER SURFACE ELEVATIONS

MILE	WSE @ 8:00	WSE @ 11:00	LWRP 2014	LWRP DIF @ 8:00	LWRP DIF @ 11:00
79	341.38	341.38	324.40	16.98	16.98
80	341.92	341.91	324.86	17.06	17.05
81	342.45	342.44	325.28	17.17	17.16
82	342.98	342.97	325.75	17.23	17.22

US Army Corps of Engineers
St. Louis District

GAGE RECORD

	CAPE GIRARDEAU, MO	MOCCASIN SPRINGS, MO	GRAND TOWER, IL	RED ROCK LANDING, MO
ZERO N.G.V.D.	304.65	313.89	321.93	328.92
MILE	52.1	66.3	81.9	94.1
LWRP 2014	310.01	317.54	325.69	331.05
11 MAR 2016	x	20.749:00 20.75H:00	21.00:8:00 20.99H:00	20.038:00 20.041H:00

Surveyed by: BOWEN ENGINEERING
Survey Date: MARCH 11, 2016
Drawn by: X
Ckd by: X
Reviewed by: X
SUBMITTED: X
APPROVED: X
Plot date: 88888:AM/PM 88/88/8888
File name: W:\PROJECTS\PROJECTS\PLATES\

U.S. ARMY ENGINEER DIVISION
CORPS OF ENGINEERS
ST LOUIS, MISSOURI

UPPER MISSISSIPPI RIVER BASIN
MISSISSIPPI RIVER

120 400 0 0 120 240 METERS
400 800 FEET

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE TIME INDICATED AND MAY NOT BE CURRENT AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME

PRE DREDGE SURVEY
RIVER MILES 81.8 – 79.8

PLATE NUMBER
XX