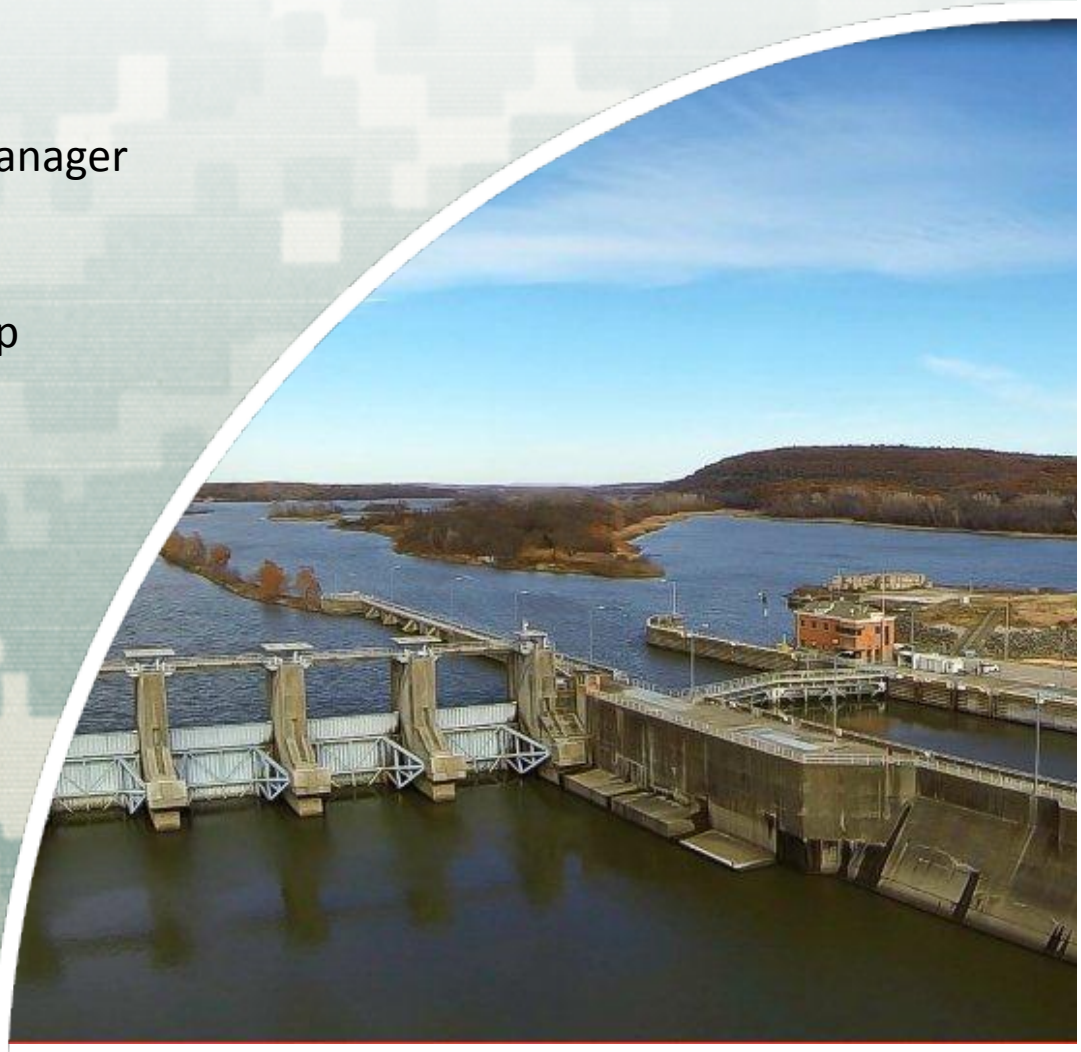
2015/2016 Major Maintenance Webbers Falls Lock & Dam 16

Robert J. Steiner
Navigation System Operations Manager

Lock Maintenance Workshop
Tulsa, OK
10-12 February 2015

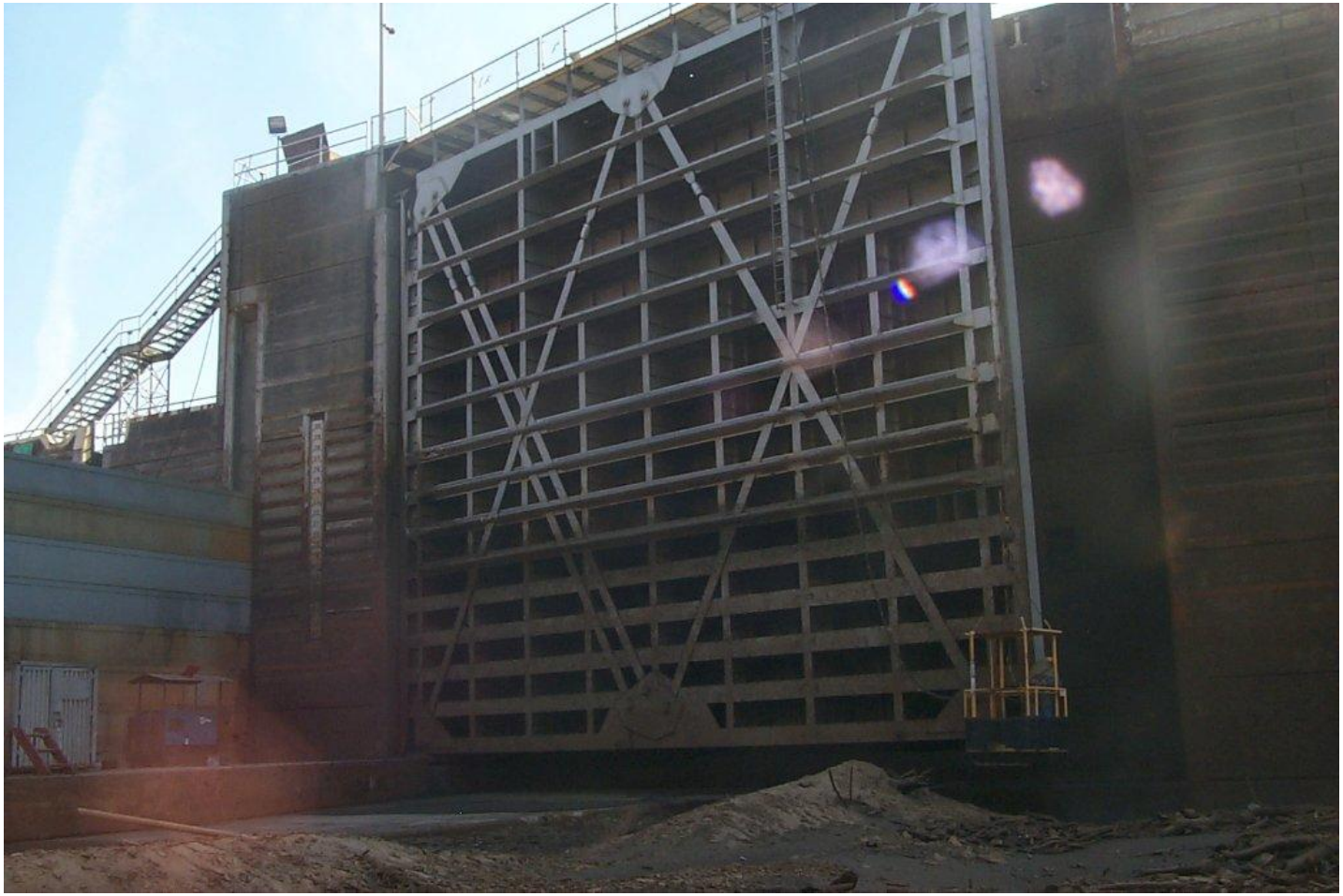


US Army Corps of Engineers
BUILDING STRONG®

Webbers Fall Lock & Dam Major Maintenance 2015/2016

- DS Pintle Ball replacement (2015)
- DS Miter gate repairs (2016)
- Tainter gate repairs In progress
- Stilling basin erosion

Pintle Ball Replacement 2015
Miter Gate Structural Repairs 2016



Miter Gate Structural Repairs

Miter Gate Structural Repairs

Tainter Gate #12

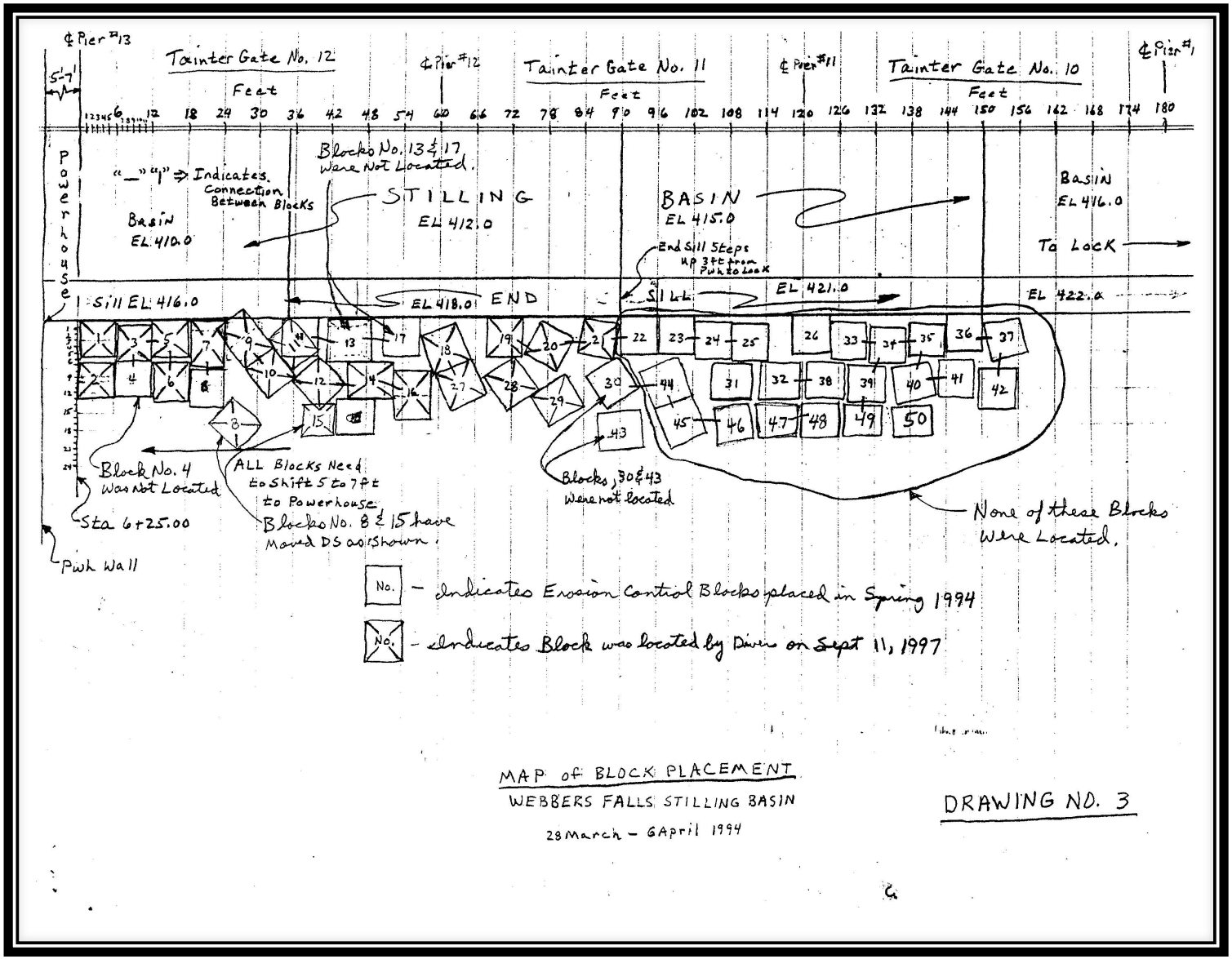
Tainter Gate Repairs 2015

Tainter Gate Repairs 2015

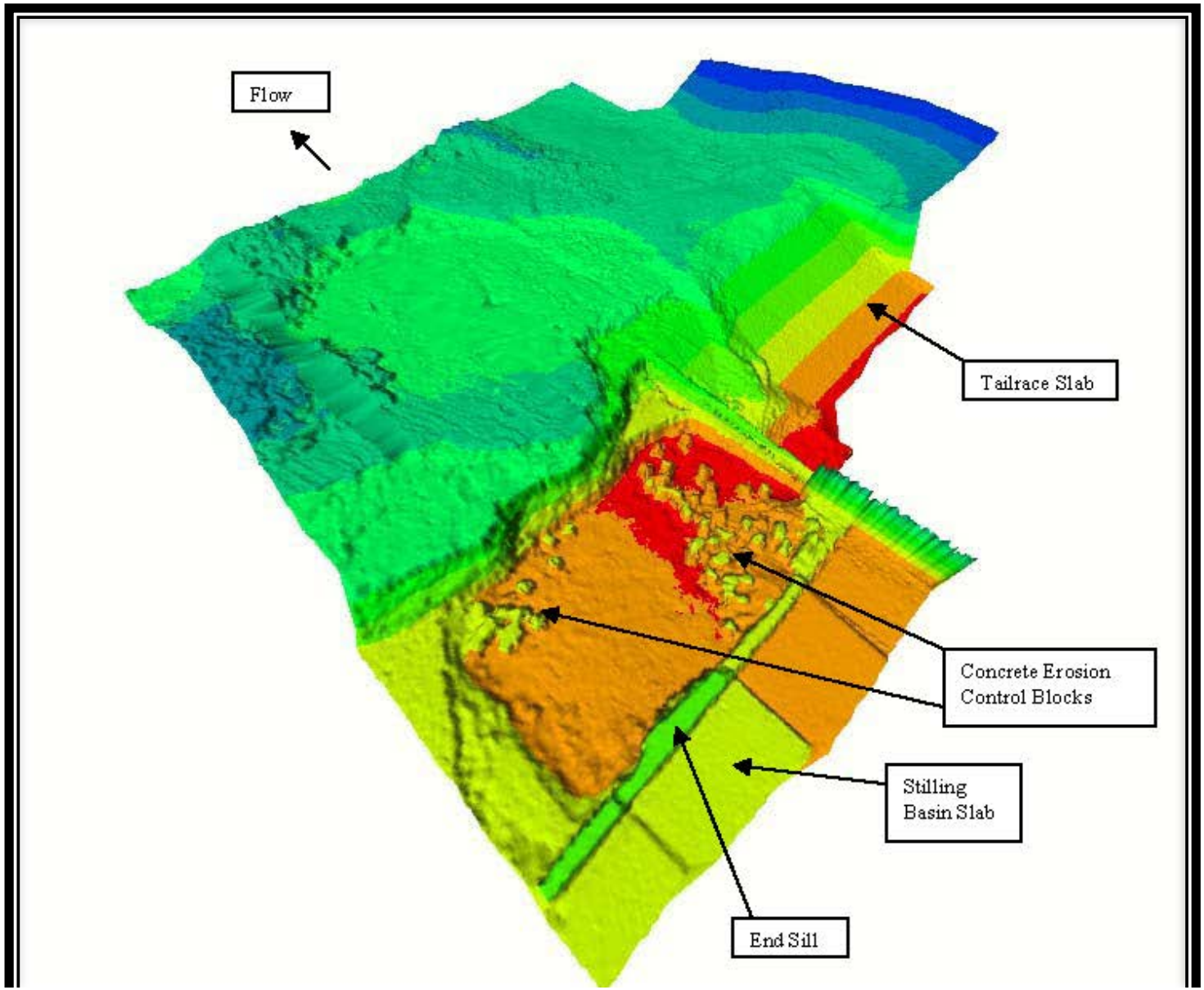
Stilling Basin Erosion

13.5 Ton Blocks

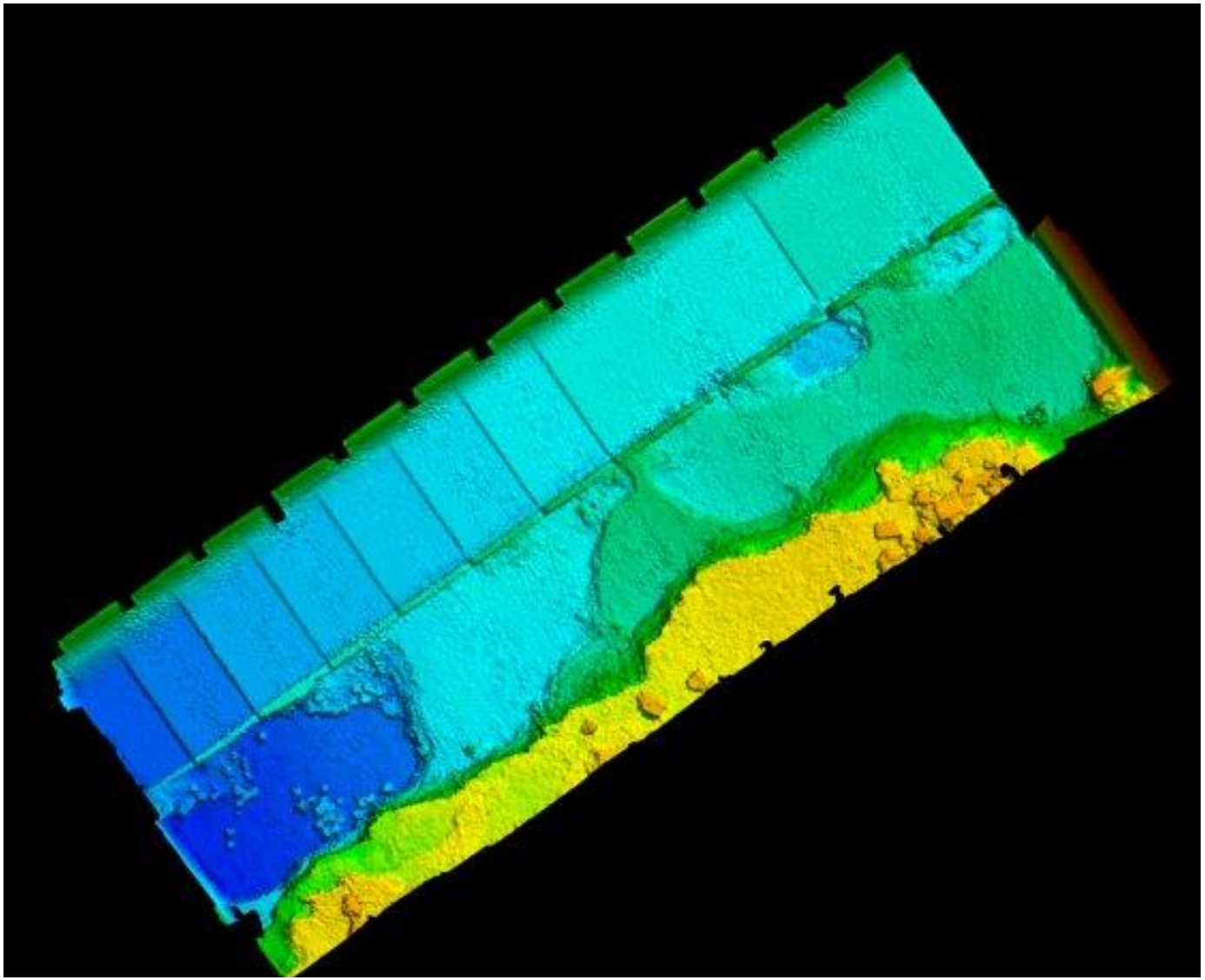
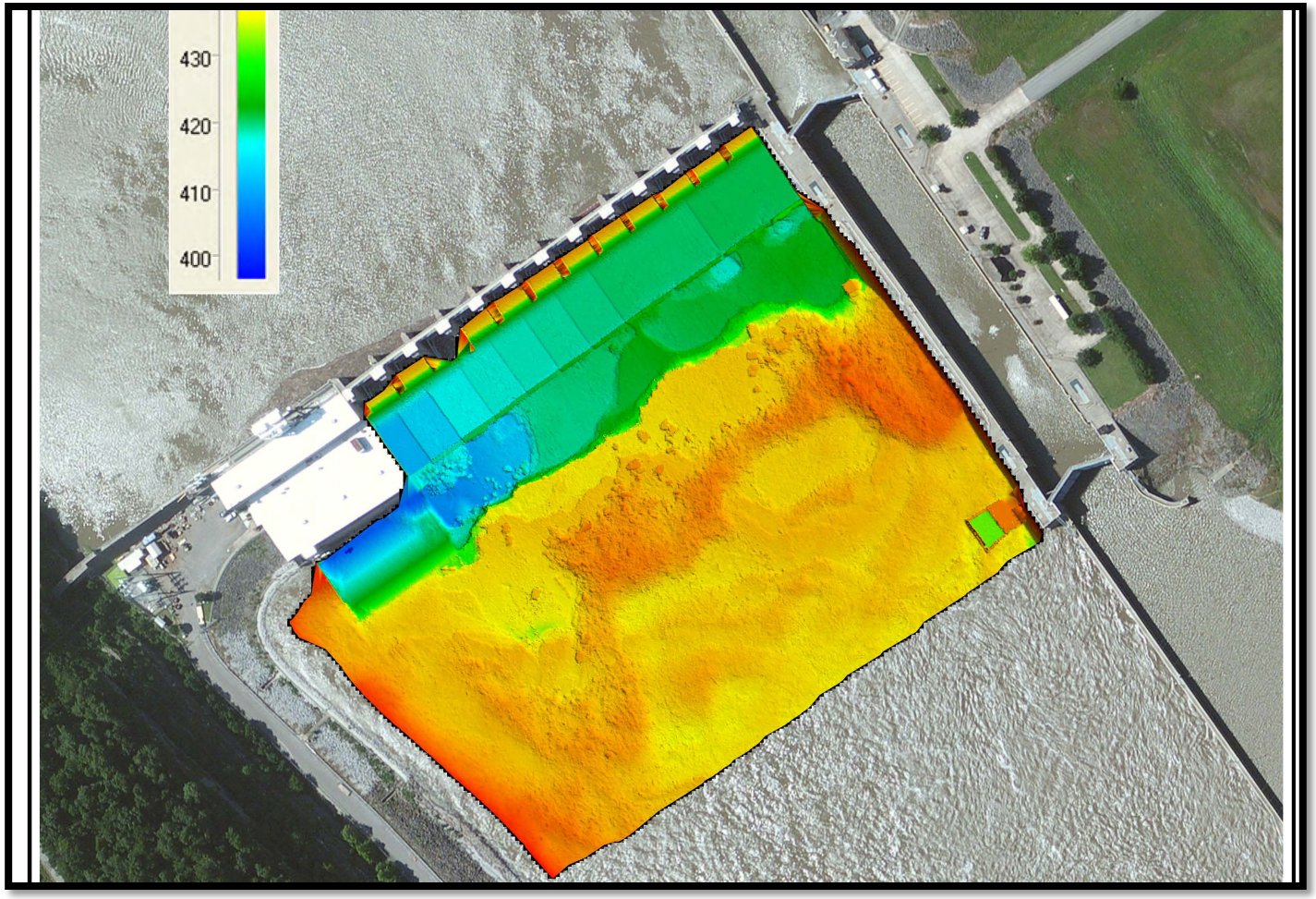
1997 Report


℄ Pier #13
Tainter Gate No. 12
℄ Pier #12
Tainter Gate No. 11
℄ Pier #11
Tainter Gate No. 10
℄ Pier #1
Feet
Powerhouse
"—" "|" ⇒ Indicates Connection Between Blocks
Basin EL 410.0
Blocks No. 13 & 17 Were Not Located.
STILLING EL 412.0
BASIN EL 415.0
End Sill Steps up 3 ft from Pwh to Lock
Basin EL 416.0
To Lock
Sill EL 416.0
EL 418.0
END
SILL
EL 421.0
EL 422.0
Block No. 4 Was Not Located
Sta 6+25.00
Pwh Wall
ALL Blocks Need to Shift 5 to 7 ft to Powerhouse
Blocks No. 8 & 15 have Moved DS as Shown.
Blocks 30 & 43 Were not located
None of these Blocks Were Located.
No. – Indicates Erosion Control Blocks placed in Spring 1994
No. – Indicates Block was located by Divers on Sept 11, 1997
MAP of BLOCK PLACEMENT
WEBBERS FALLS STILLING BASIN
28 March – 6 April 1994
DRAWING NO. 3

2002 Side Scan Sonar



2014 Survey



Stilling Basin Erosion 2013