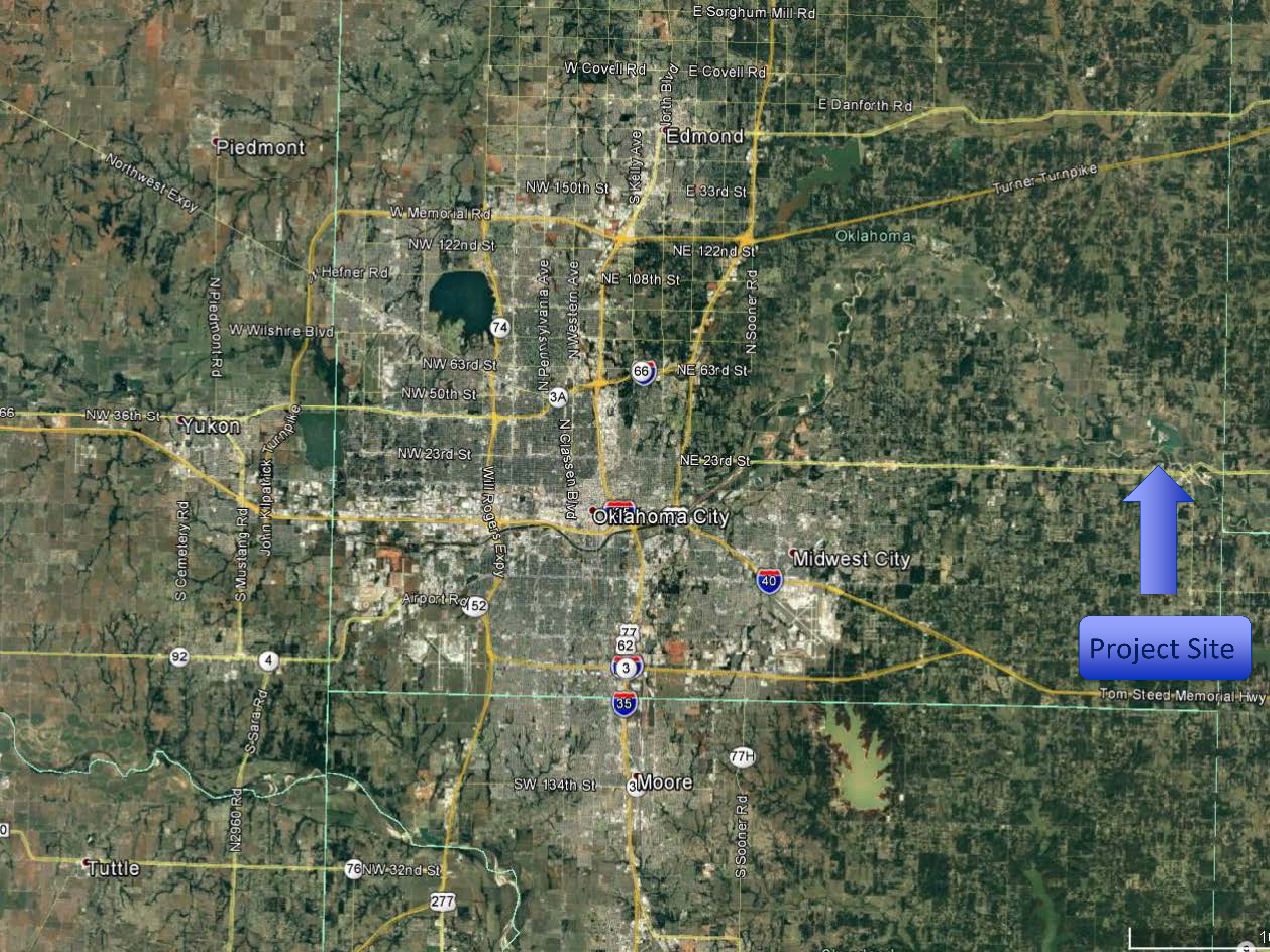


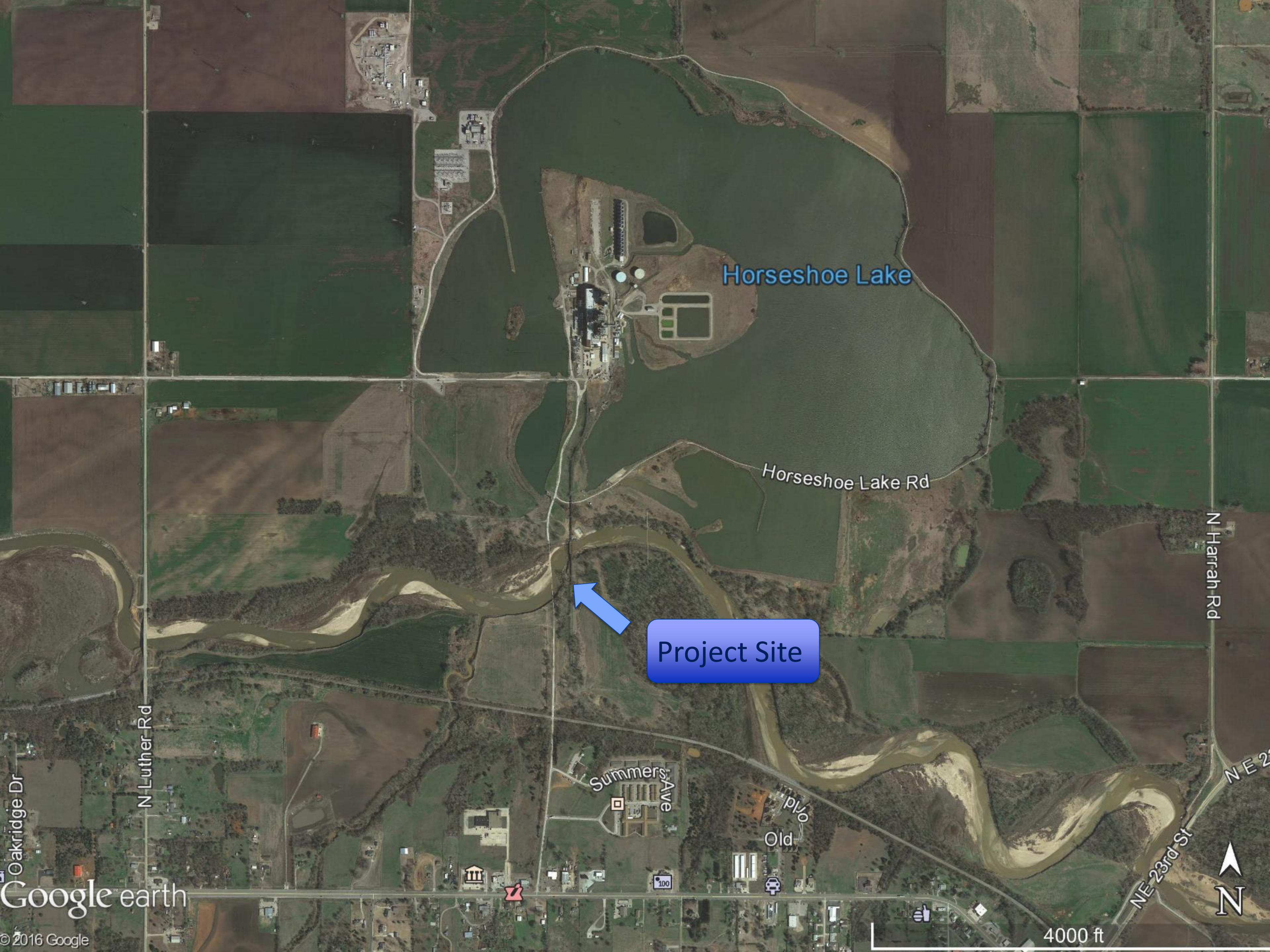
North Canadian River Restoration Harrah, OK

Oklahoma Clean Lakes and Watersheds
Conference

April 3, 2019



Project Site



Horseshoe Lake

Horseshoe Lake Rd

Project Site

N Luther Rd

Summers Ave

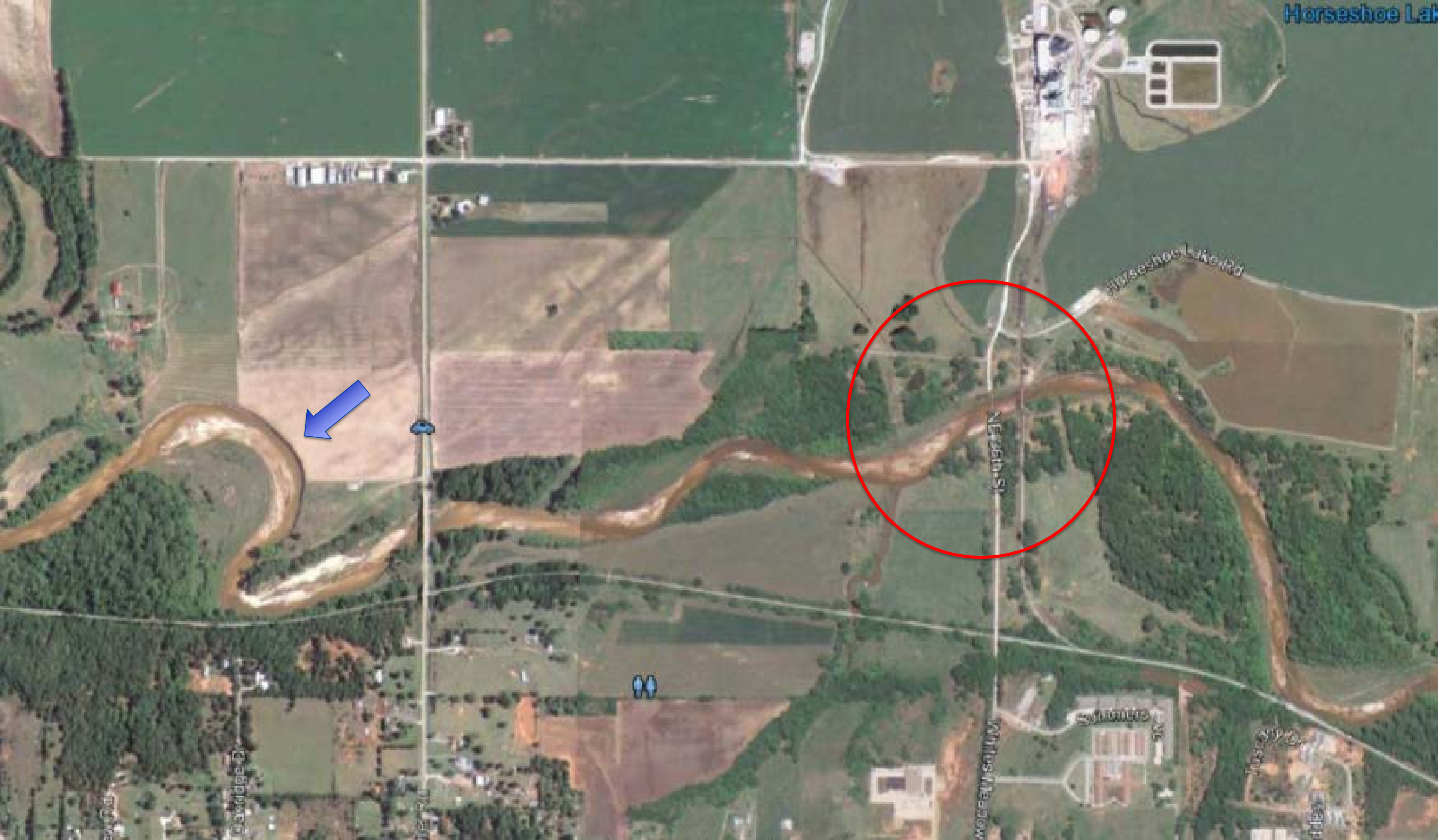
Old pl/o

N Harrah Rd

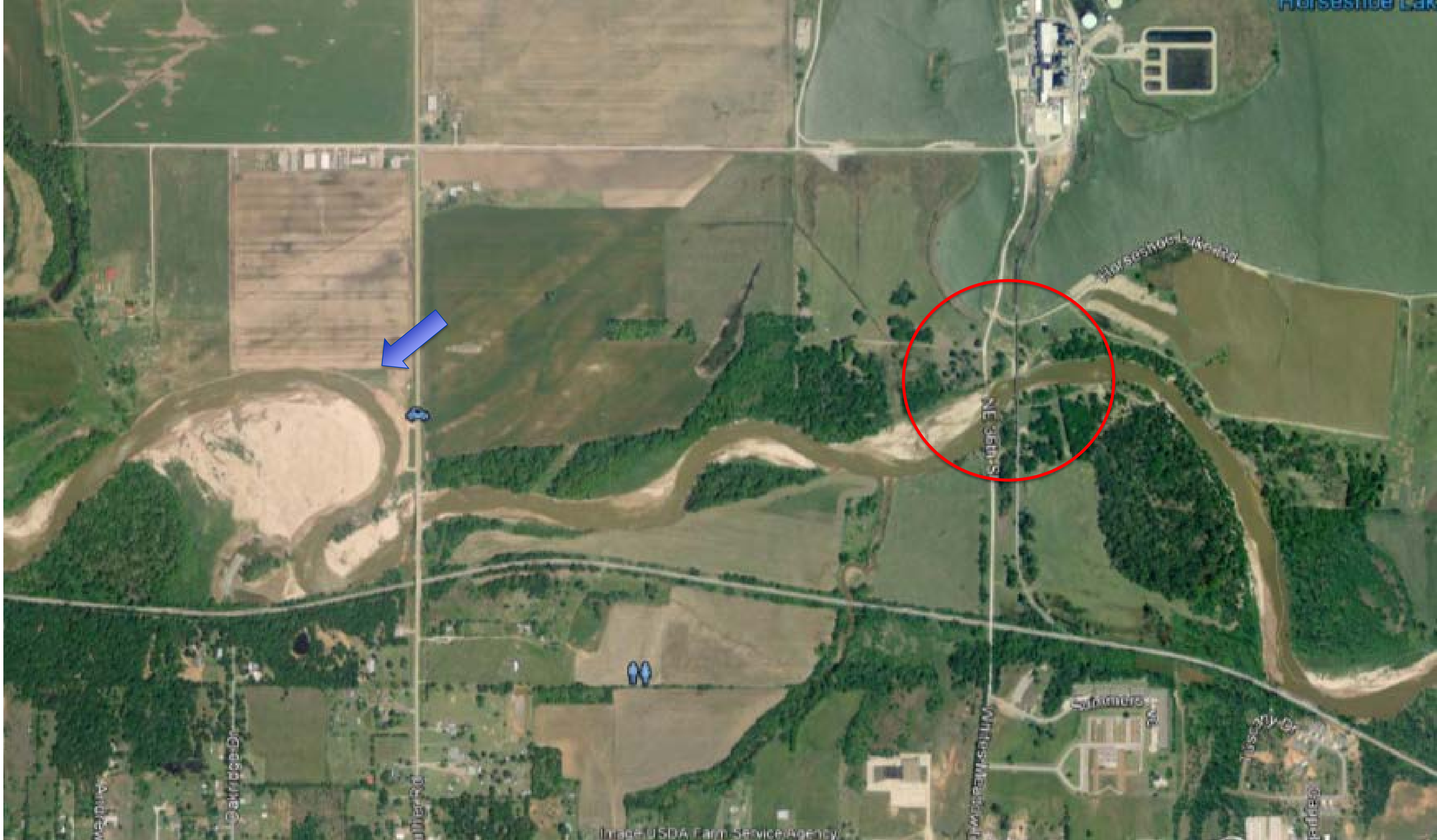
NE 23rd St

4000 ft





North Canadian River October, 2006



North Canadian River May, 2008

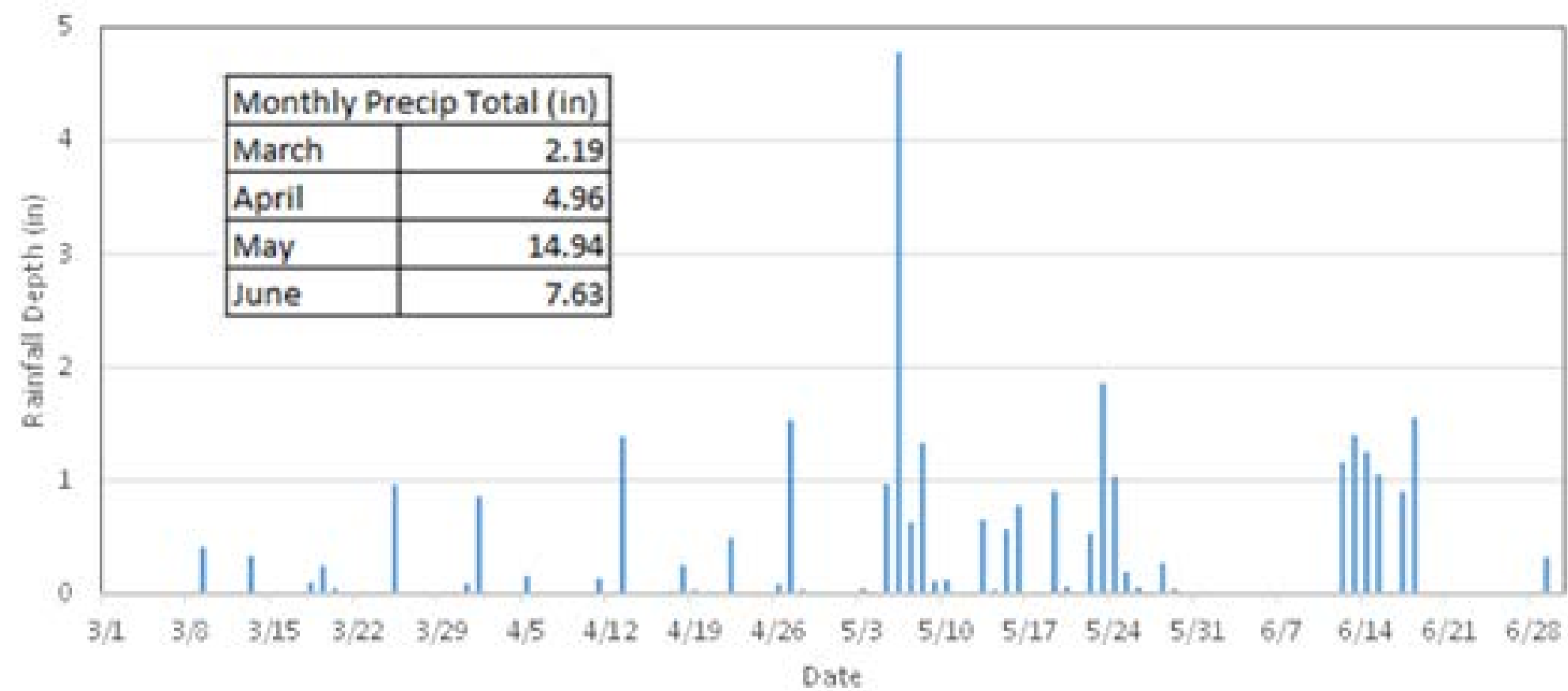
Channel Migration

Existing Intake





Daily Precipitation at Tinker AFB





Rip Rap Armoring

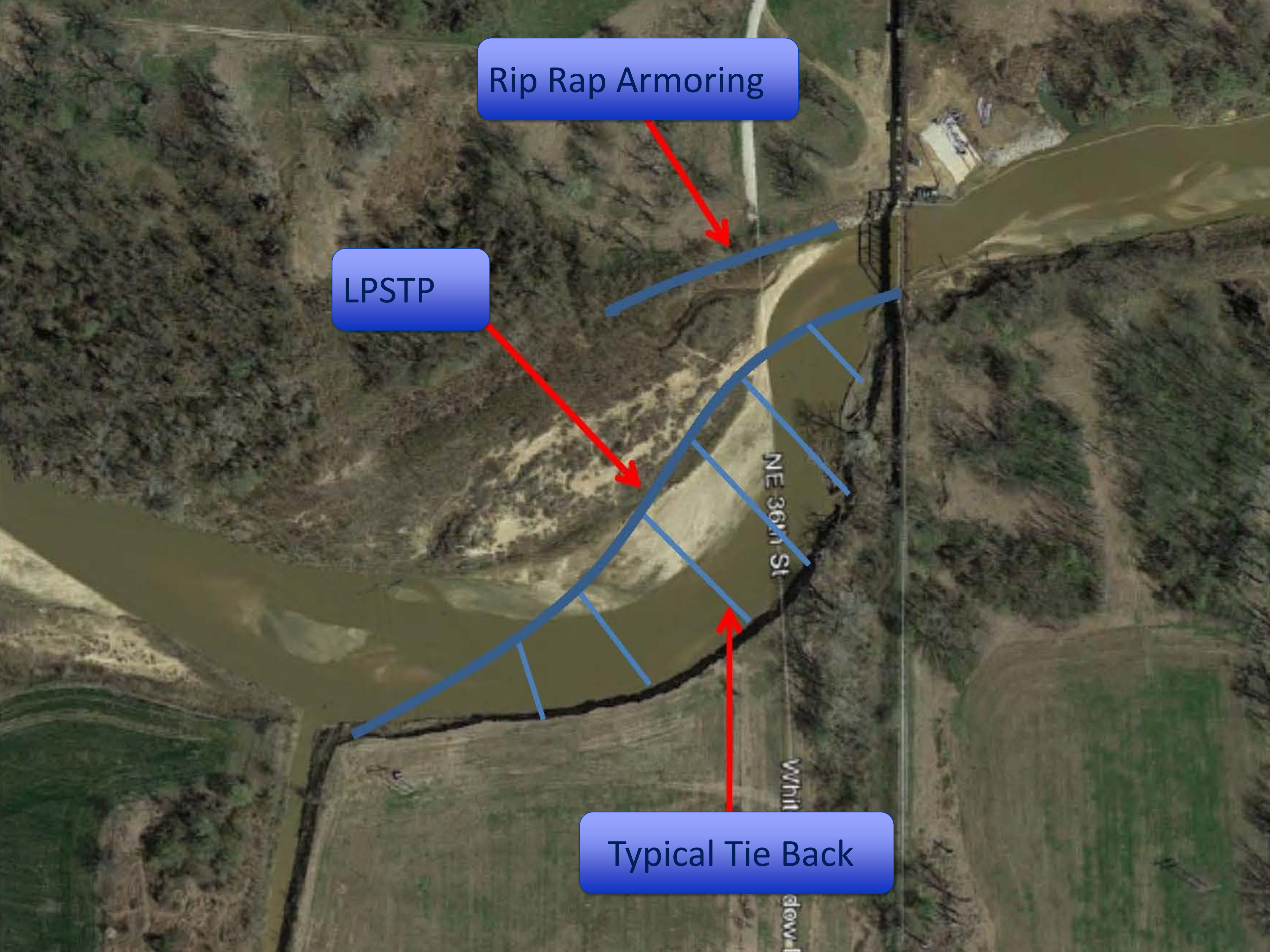
LPSTP

Typical Tie Back

NE 36th St

Whit

dowl



Rip Rap Armoring

Bend Way Weirs



Rip Rap Armoring

LPSTP

Bend Way Weirs















Plantings







Horseshoe Lake

Horseshoe Lake Rd

N Harrah Rd

Project Site

Summers Ave

N Luther Rd

NE 23rd St

Oakridge Dr

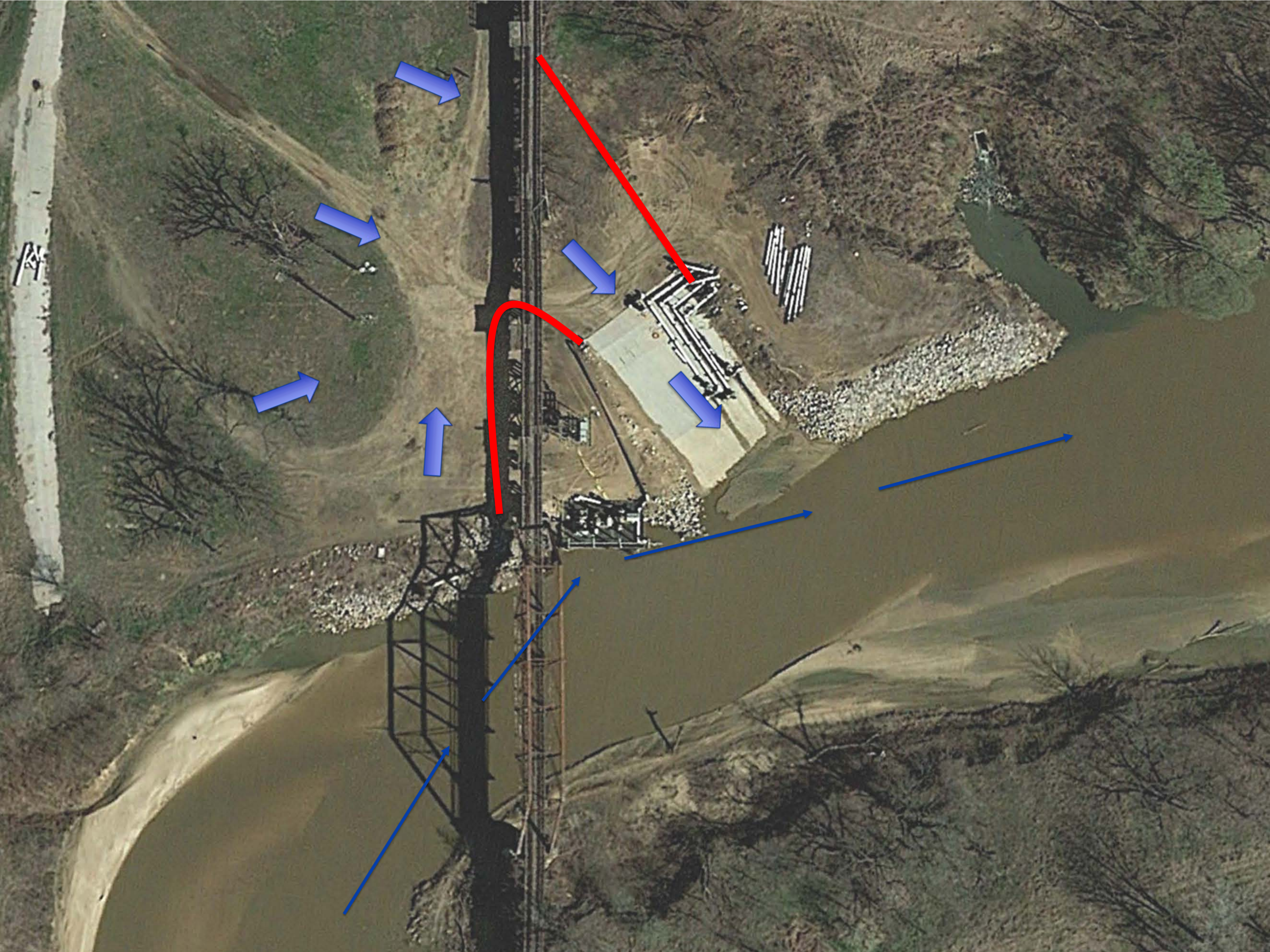
Google earth

© 2016 Google

4000 ft











Upstream Side of Trestle

















3/2015

NE 36th St

Google
35

Imagery Date: 3/25/2015 35°30'05.76" N 97°10'54.87" W elev 1072 ft eye alt



NE 36th St

400 ft

Thank You



Rick Besancon, P.E.

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