MCMICKEN DAM REHABILITATION PROJECT

FISSURE RISK ZONE REMEDIATION PROJECT (2006)

McMicken Dam

Project Centerline

SOUTH BASIN

Beardsley Canal

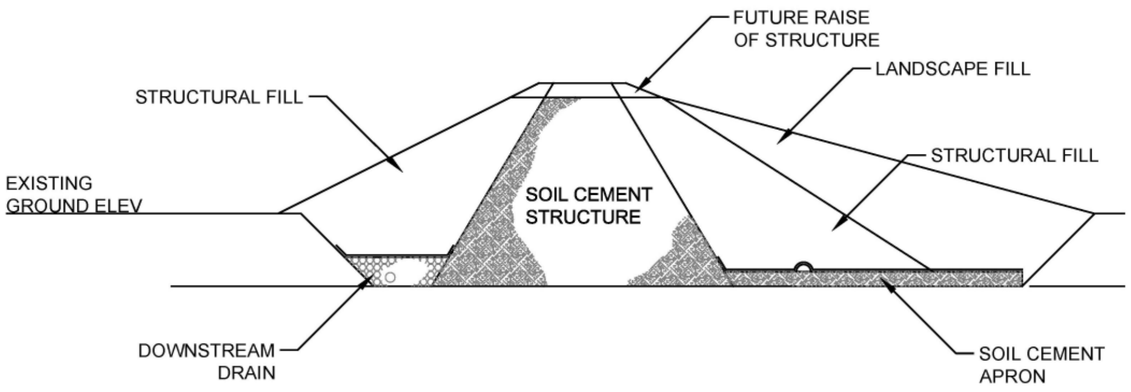
NORTH

0 300 600

Scale in Feet

LEGEND

MAPPED EARTH FISSURE TRACES IN ARIZONA - DECEMBER 2012



TYPICAL DAM SOIL CEMENT SECTION

2801 West Durango Street, Phoenix, Arizona 85009, (602) 506-1501

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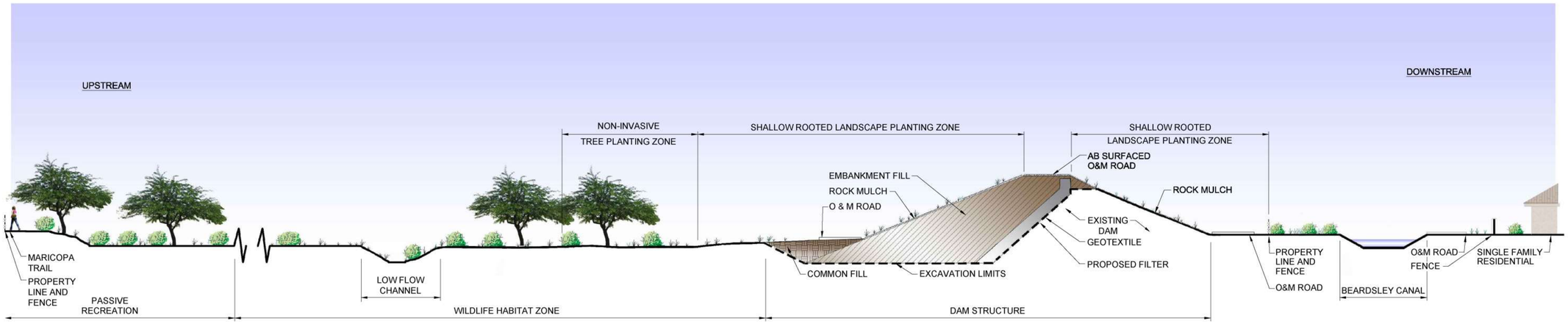
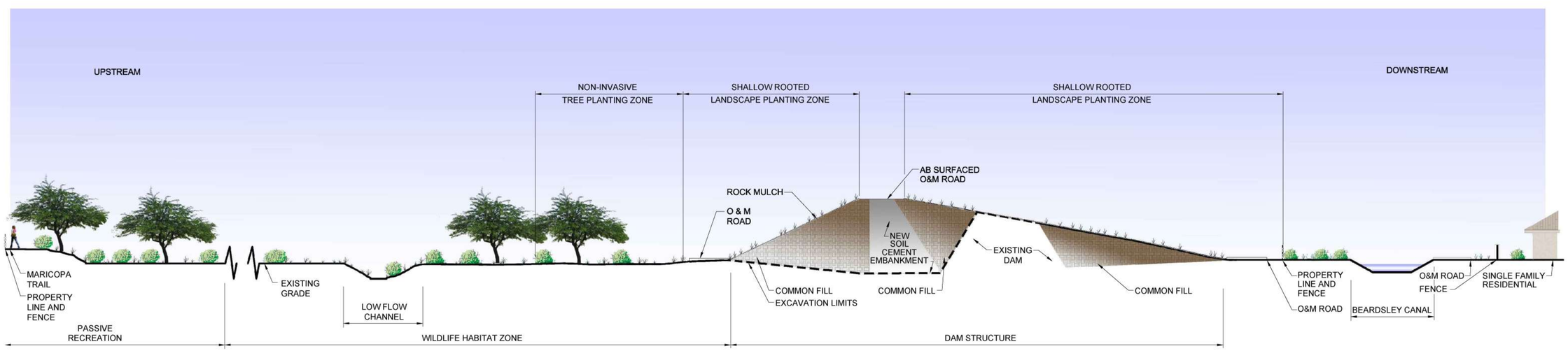
MCMICKEN DAM REHABILITATION PROJECT

MCMICKEN DAM MULTIPLE USE MANAGEMENT CONCEPT



NON-FISSURE RISK ZONE EMBANKMENT (UPSTREAM RAISE)

SCALE: NTS

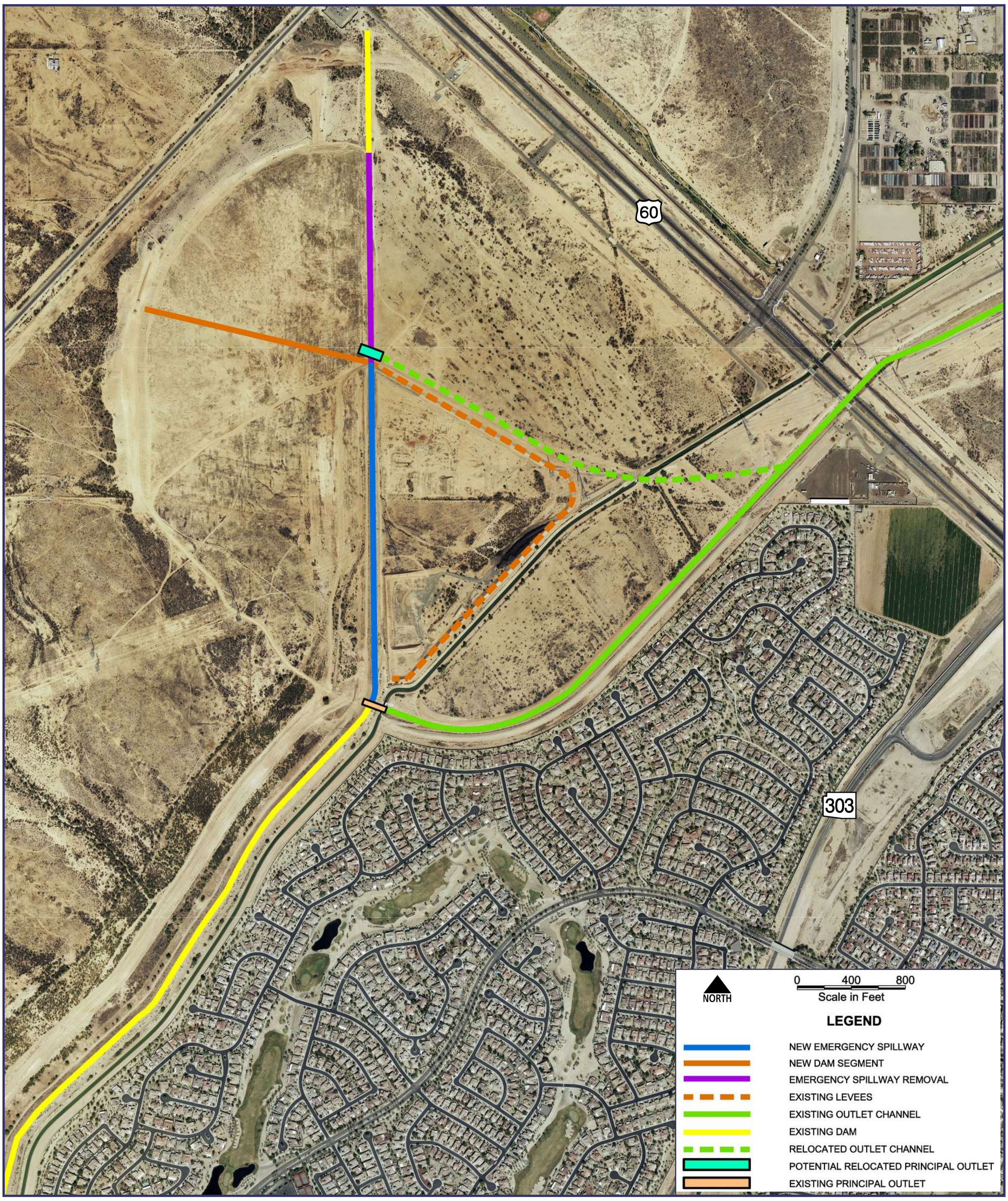


FISSURE RISK ZONE EMBANKMENT

SCALE: NTS

MCMICKEN DAM REHABILITATION PROJECT

EMERGENCY SPILLWAY AND PRINCIPAL OUTLET RELOCATION



Example Spillway

Example Stepped Drop Structure

Existing Principal Outlet

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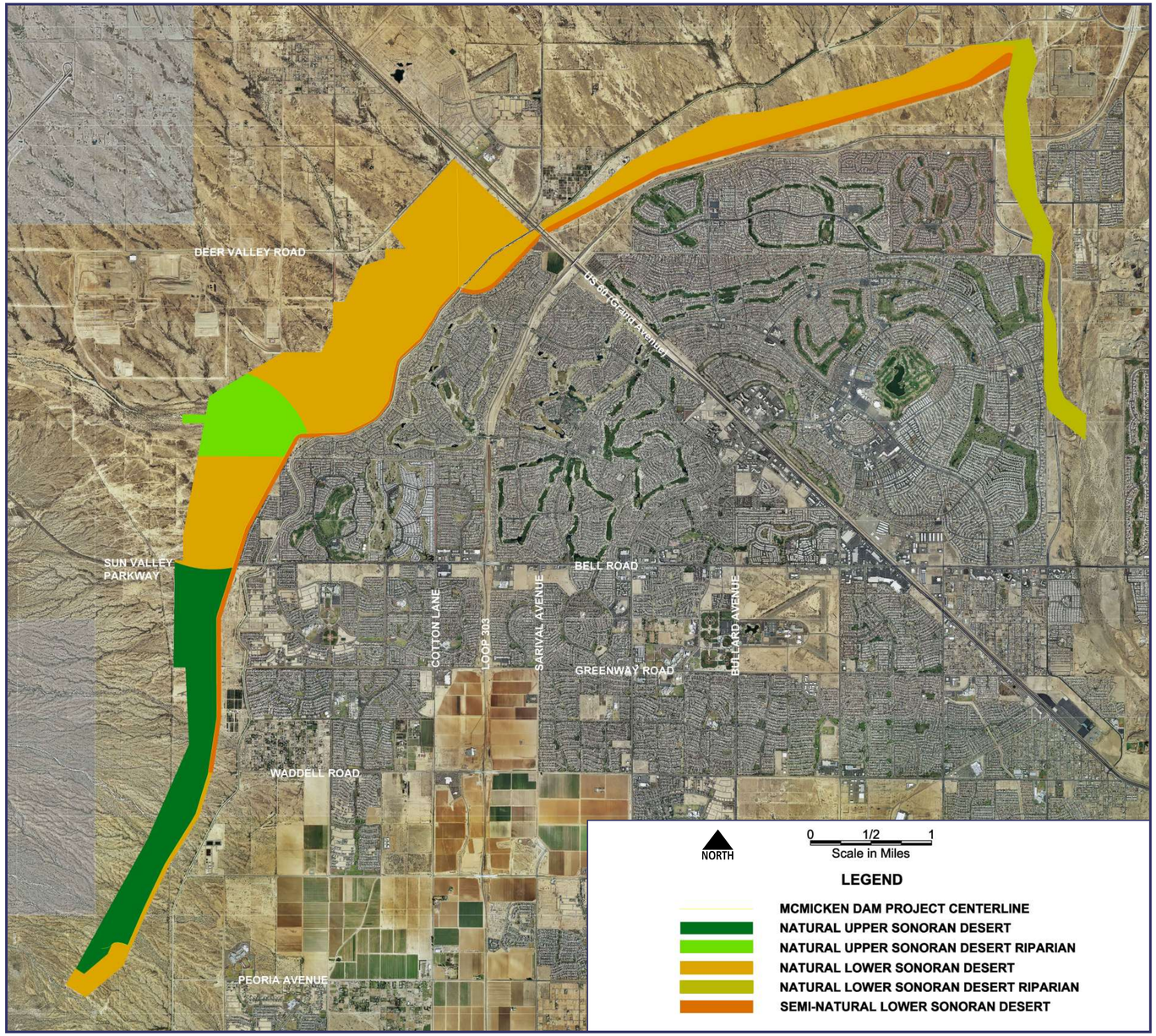
MCMICKEN DAM REHABILITATION PROJECT

LANDSCAPE DESIGN THEMES



Natural Upper Sonoran Desert

Natural Lower Sonoran Desert

Natural Upper Sonoran Desert Riparian

Natural Lower Sonoran Desert Riparian

Semi-natural Lower Sonoran Desert

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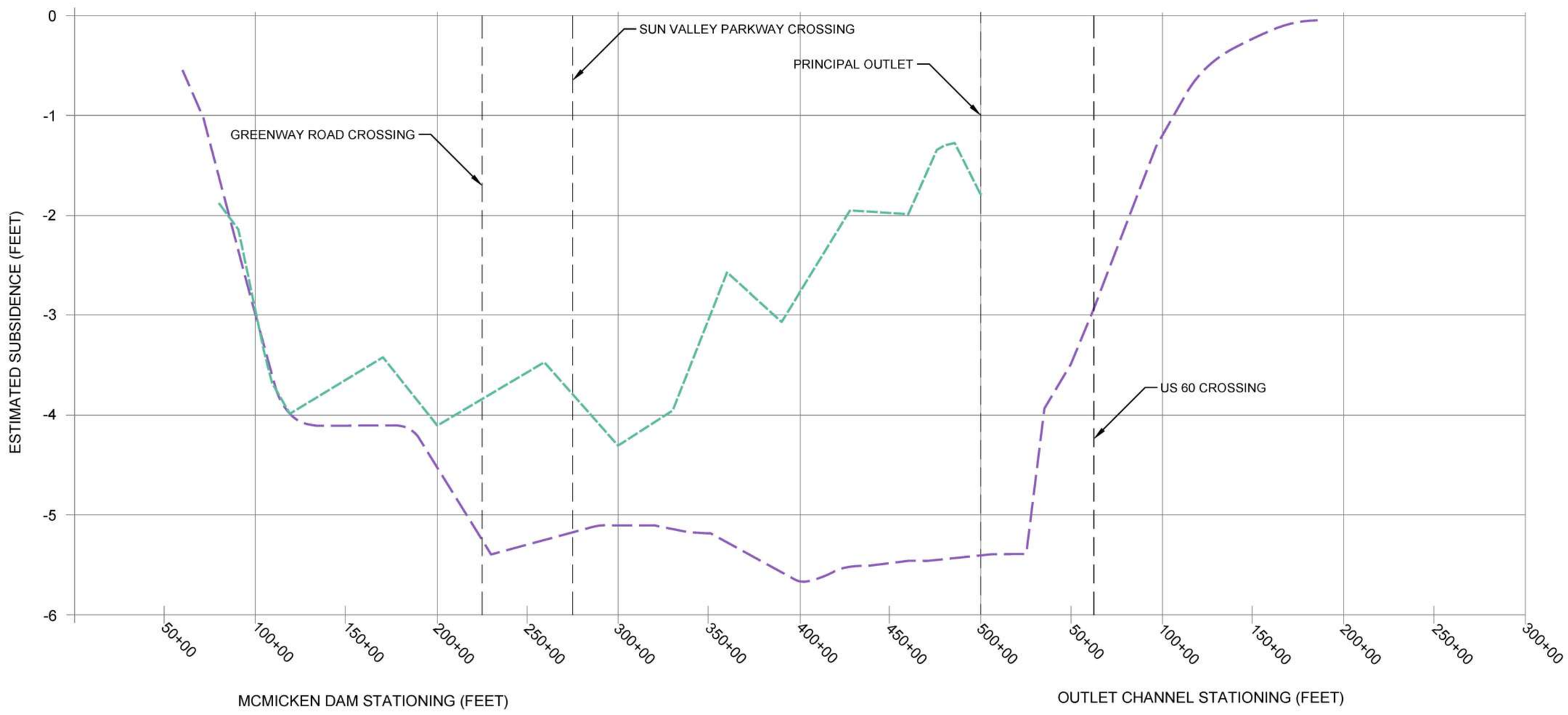
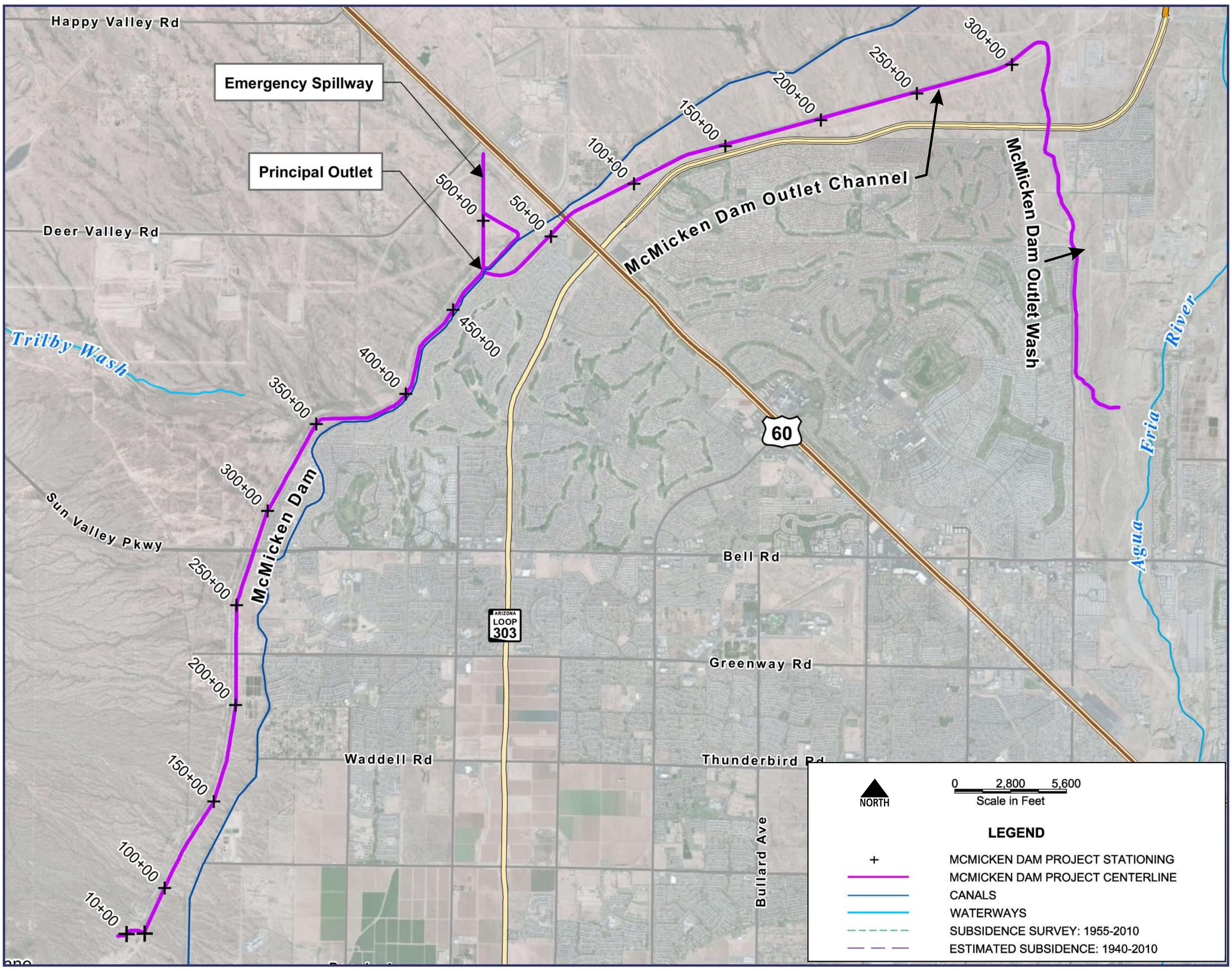
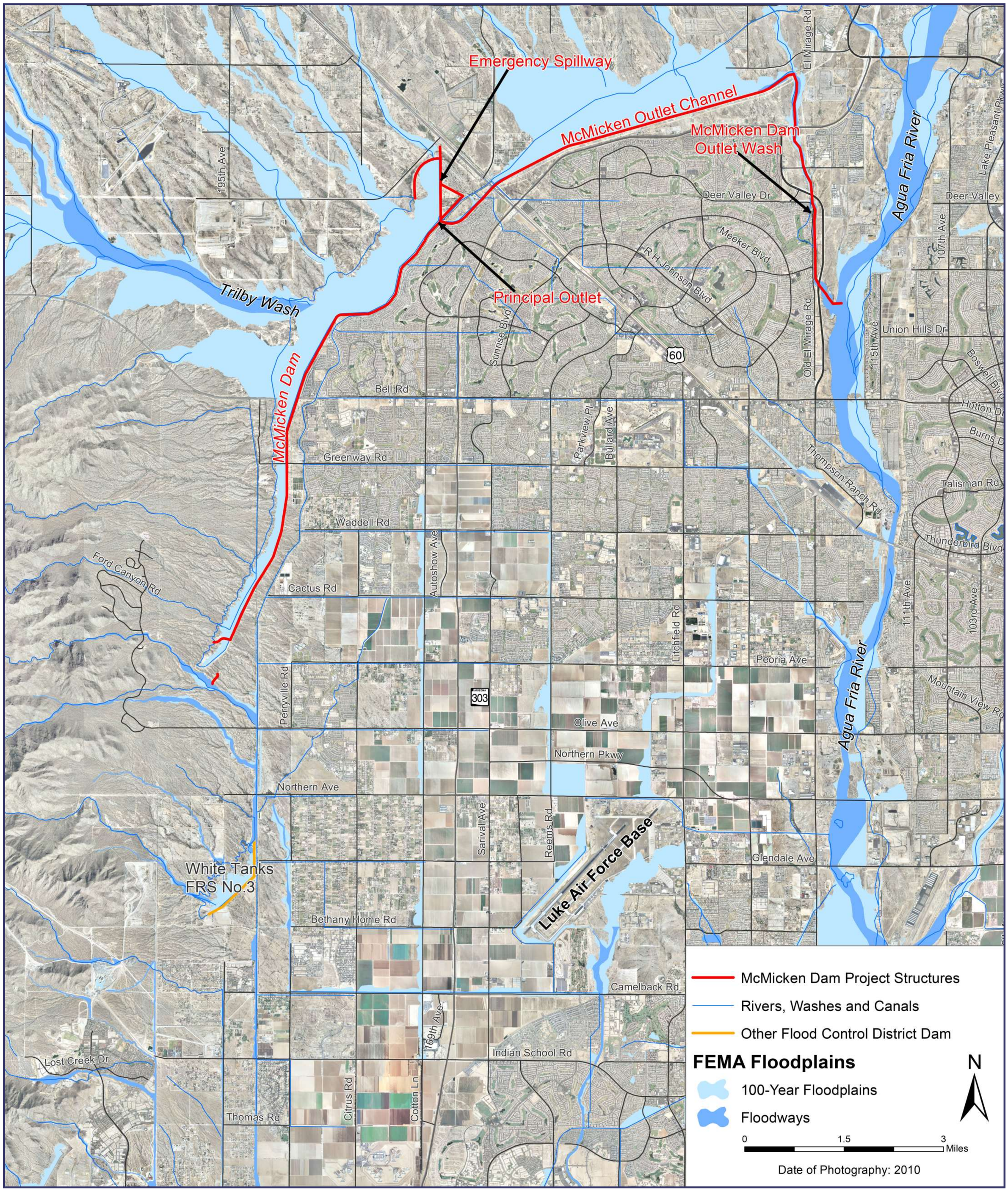
MCMICKEN DAM REHABILITATION PROJECT

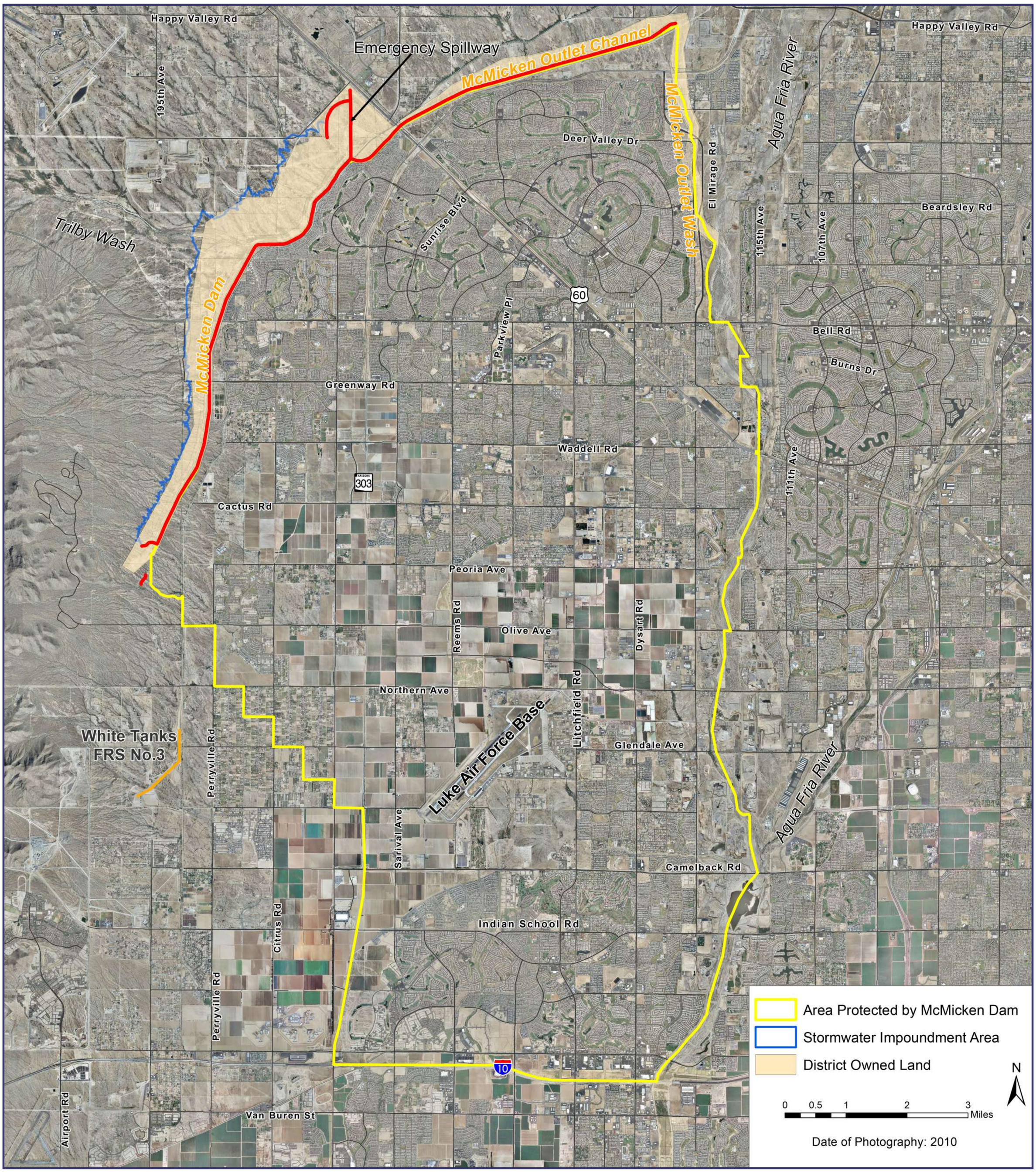
ESTIMATED HISTORIC SUBSIDENCE





McMicken Dam Rehabilitation Project



MCMICKEN DAM REHABILITATION PROJECT

Area Protected by Project