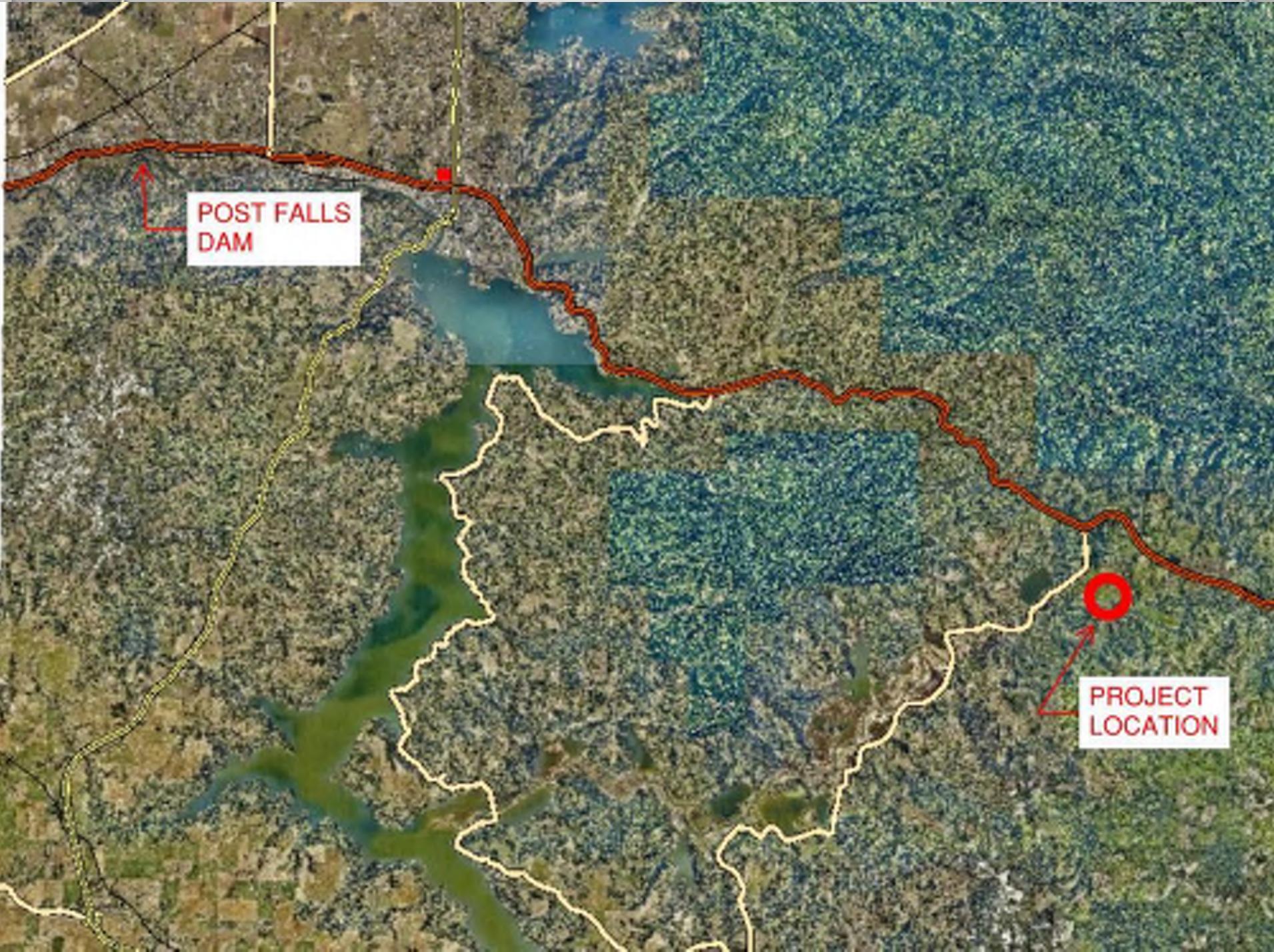


EAST SIDE HIGHWAY DISTRICT

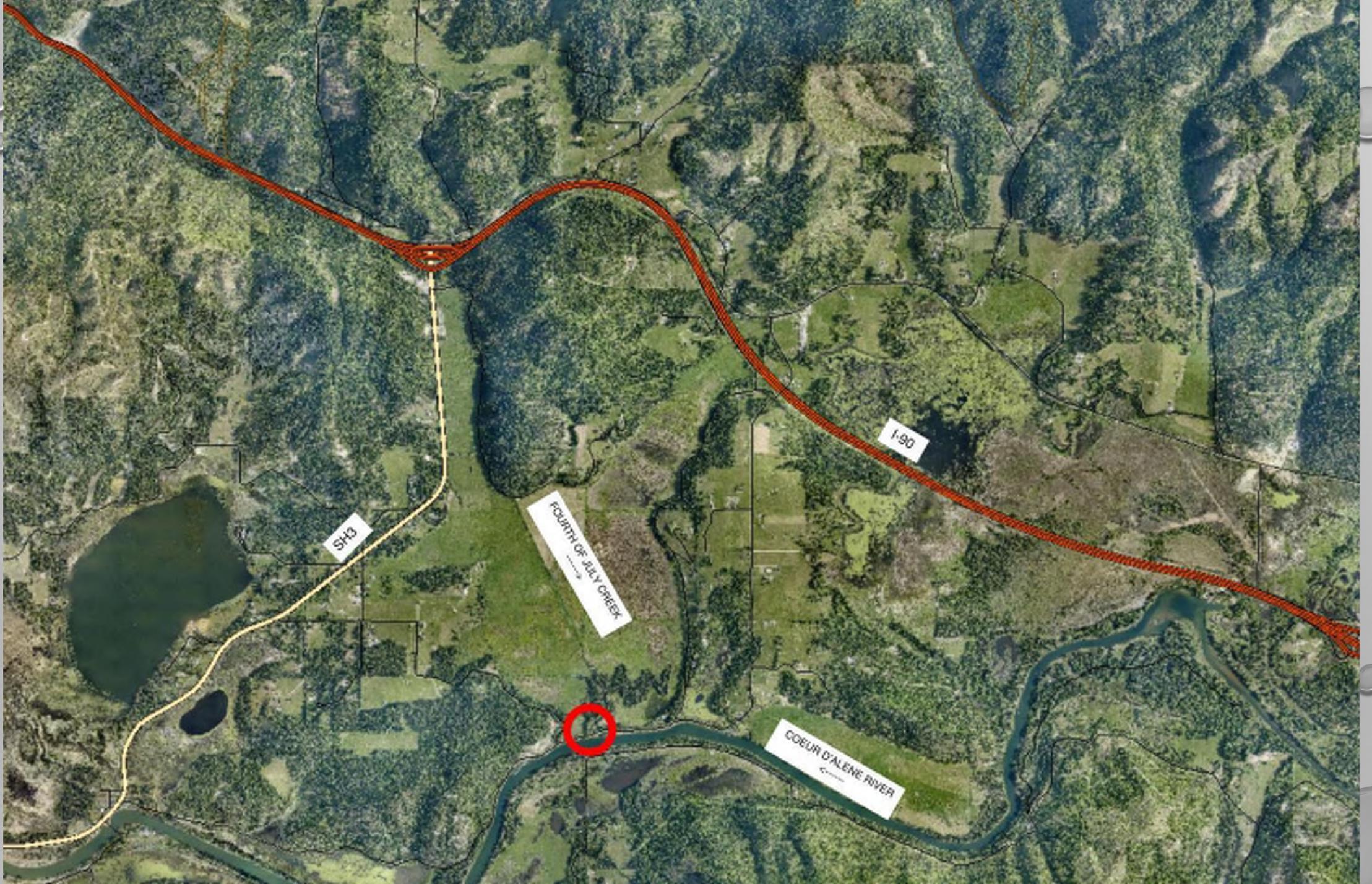
RIVER ROAD & FOURTH OF JULY CREEK CULVERT FAILURE RESPONSE

MARCH 2025



POST FALLS
DAM

PROJECT
LOCATION

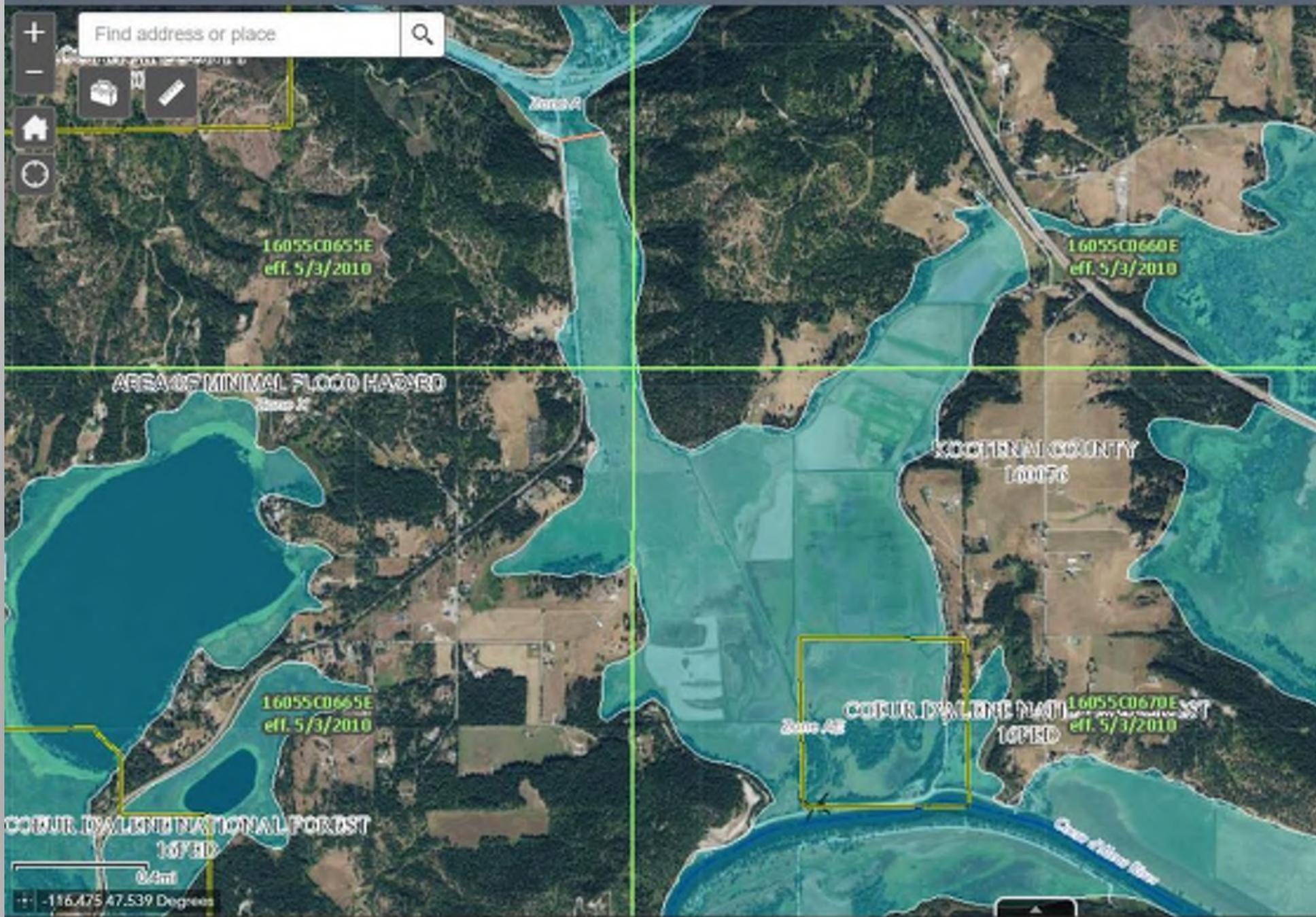


SH3

FOURTH OF JULY CREEK

1-90

COEUR D'ALENE RIVER





Canyon Marsh Conservation Easement

Status: Complete

Location:

Habitats located near Rose Lake, Idaho, within the Coeur d'Alene River Corridor in Kootenai County.

Background:

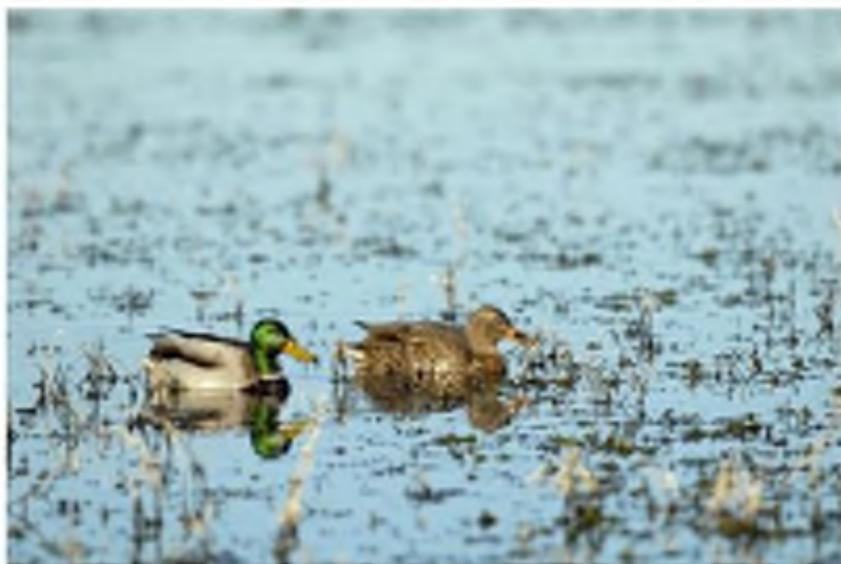
The region known colloquially as Canyon Marsh is primarily comprised of agricultural lands, most of which are no longer being used for farming. The soil in this area is contaminated with lead from historic mining and is degrading the use for waterfowl and other wildlife. There is a need to identify, conserve, and restore sites with strong potential to provide high quality wetlands habitat for waterfowl, especially locations where birds can feed without experiencing lead poisoning.

Restoration Completed:

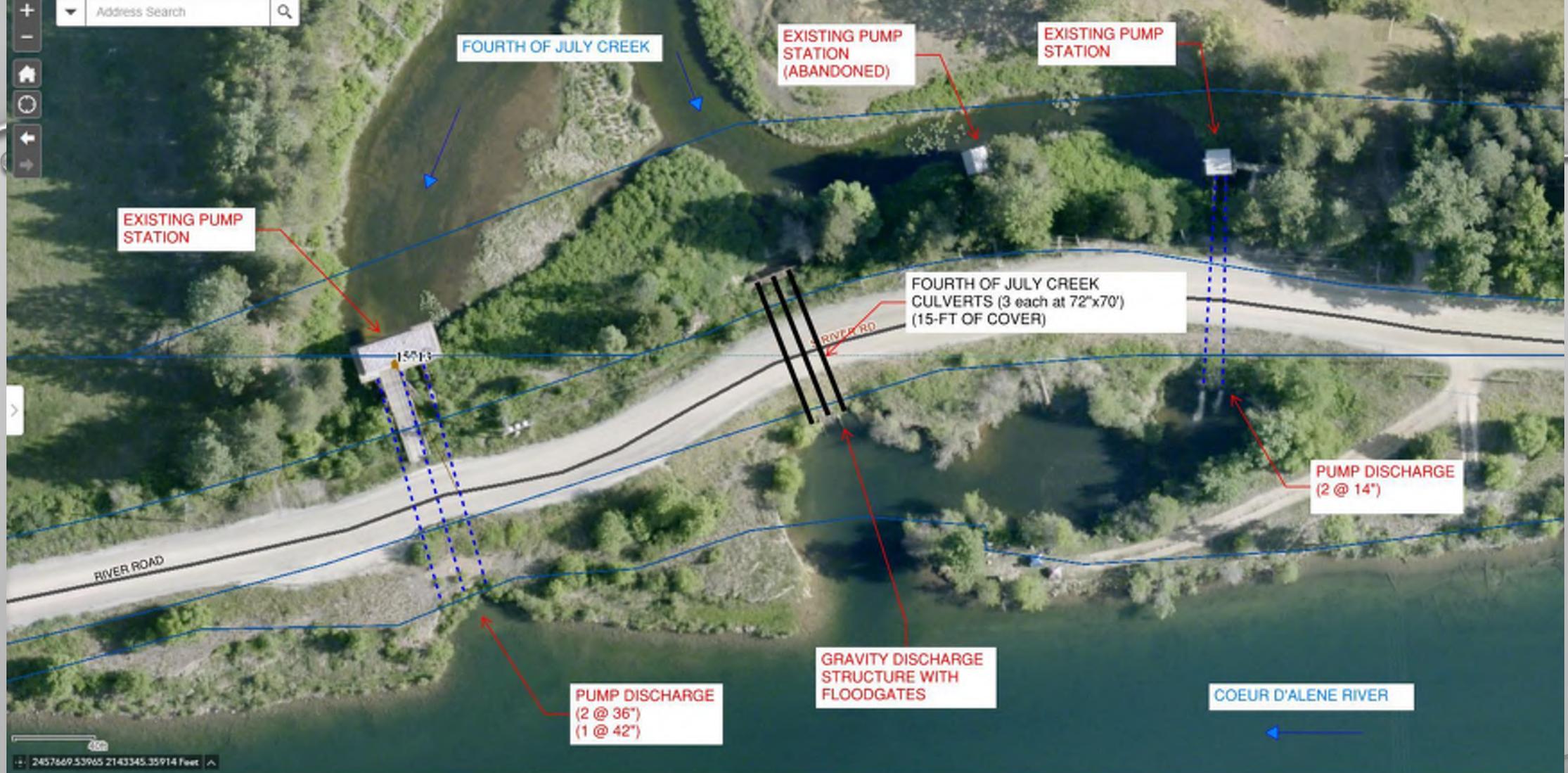
The project secured conservation easements that will set the stage for future cleanup of contaminated soils. They will also allow for future restoration of wetland processes, function, and diversity, particularly in areas with low or controllable risk of lead recontamination.

Benefits:

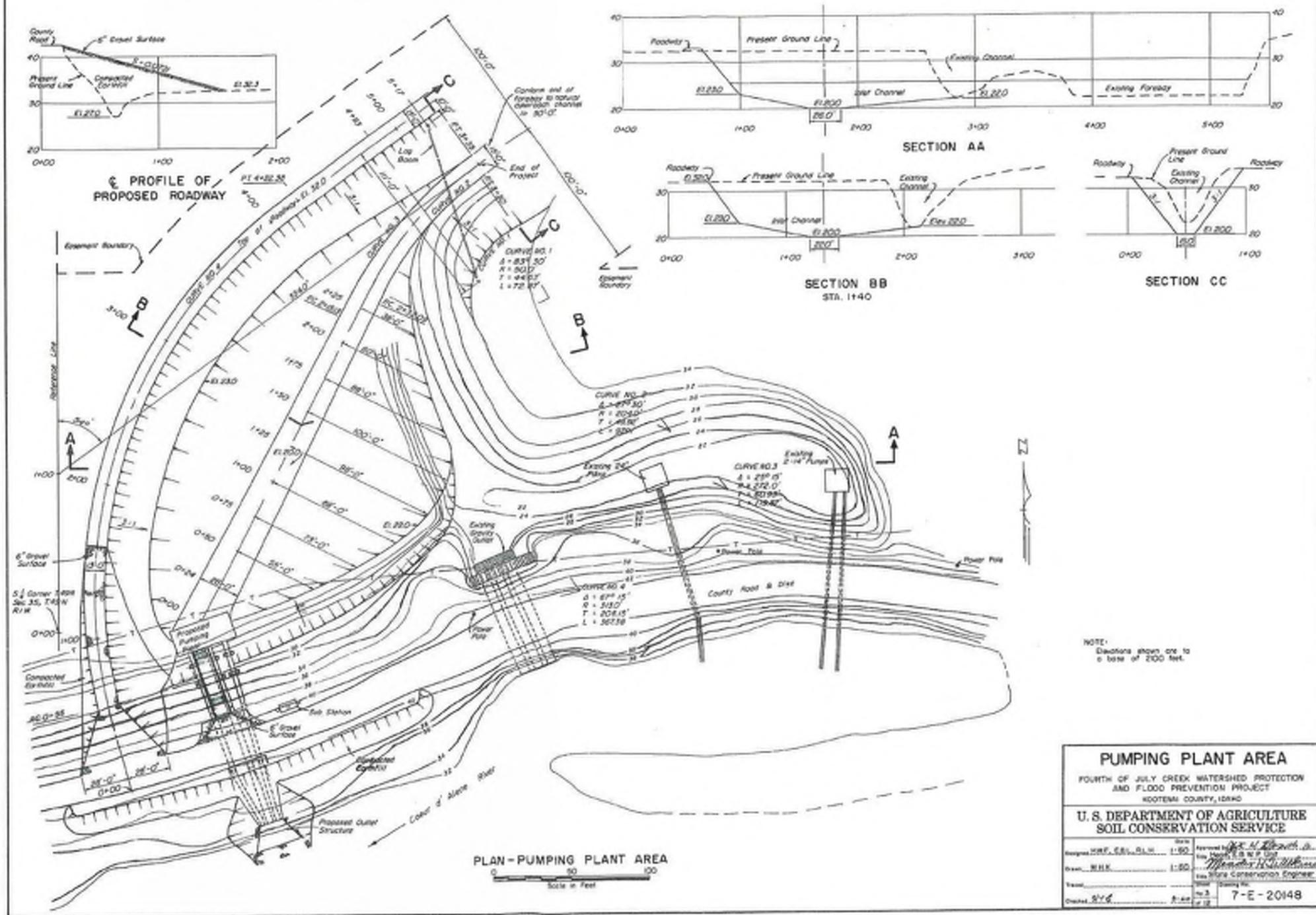
The conservation easements protect approximately 419 acres of important wetlands for waterfowl and other wildlife habitat.



The Canyon Marsh area provides habitat for diverse waterfowl (Photo: FWS)



**EAST SIDE HIGHWAY DISTRICT AND
KOOTENAI DRAINAGE DISTRICT #1 INFRASTRUCTURE
FOURTH OF JULY CREEK AT RIVER ROAD AND THE
COEUR D'ALENE RIVER**





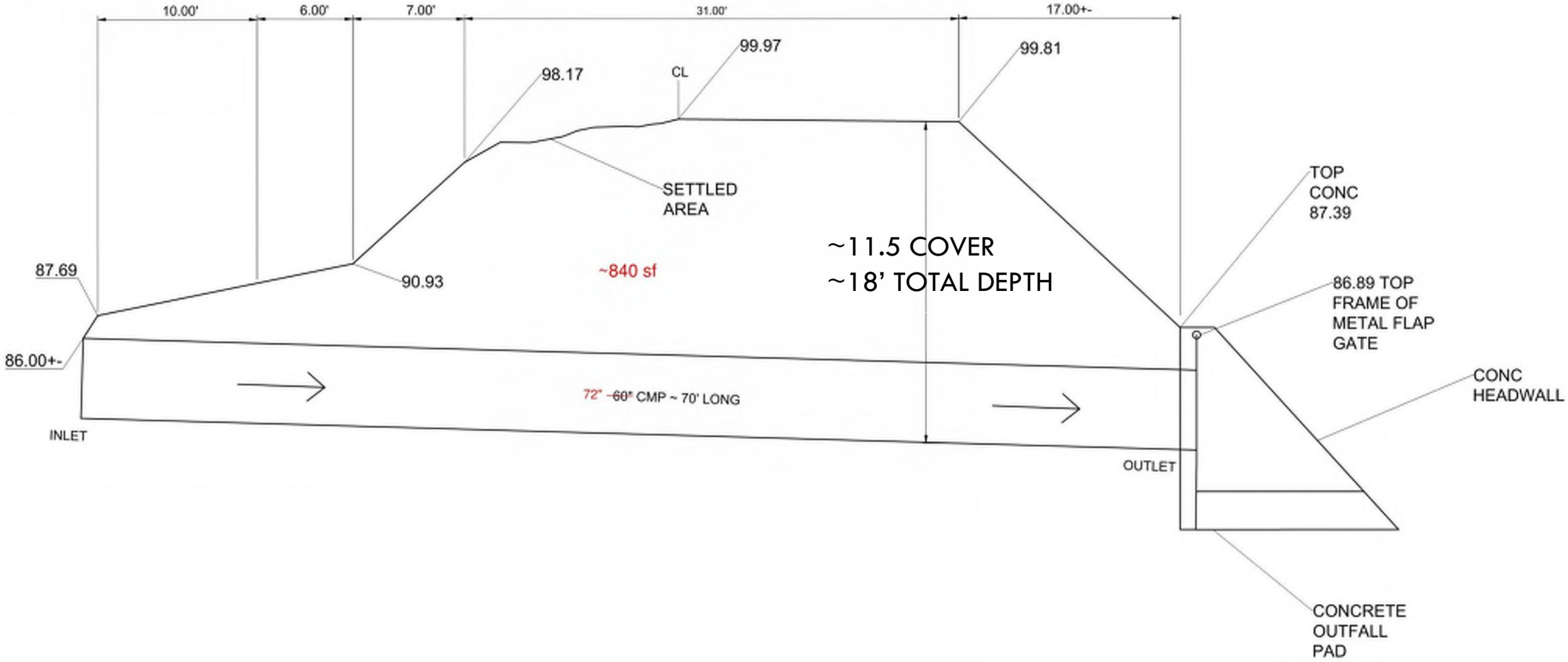


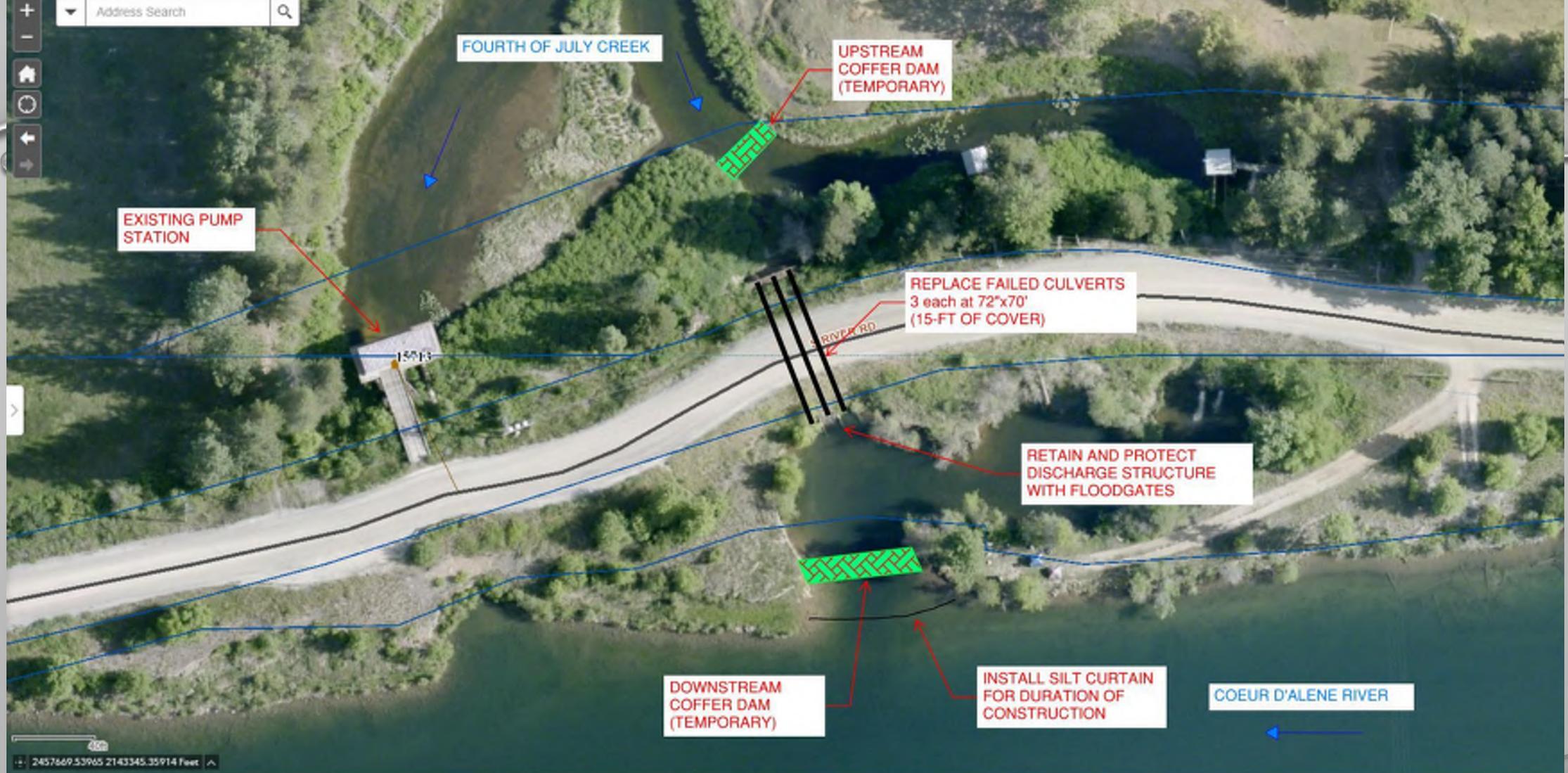
Monday
March 10
(Day 1)



March 10
(Day 1)

CROSS SECTION





**EAST SIDE HIGHWAY DISTRICT
EMERGENCY CULVERT REPLACEMENT
AND LEVEE REPAIRS
March 19, 2025**



Thursday
March 13
(Day 4)

Sat, Mar 15 at 10:13 AM

Is the roads official name Doyle? The one that failed

Looks like River Road

River road

Sat, Mar 15 at 12:44 PM

Hey just want you to know that ITD management is working with Travis on a solution



iMessage



Today 3:32 PM

+1 (208) 660-

Ben and Tiffany.. received confirmation from IOEM leadership that the Governor has approved a State Disaster Declaration for the River road incident.. that opens the door for state resources (ITD) along with state financial assistance to assist in managing this disaster emergency event.

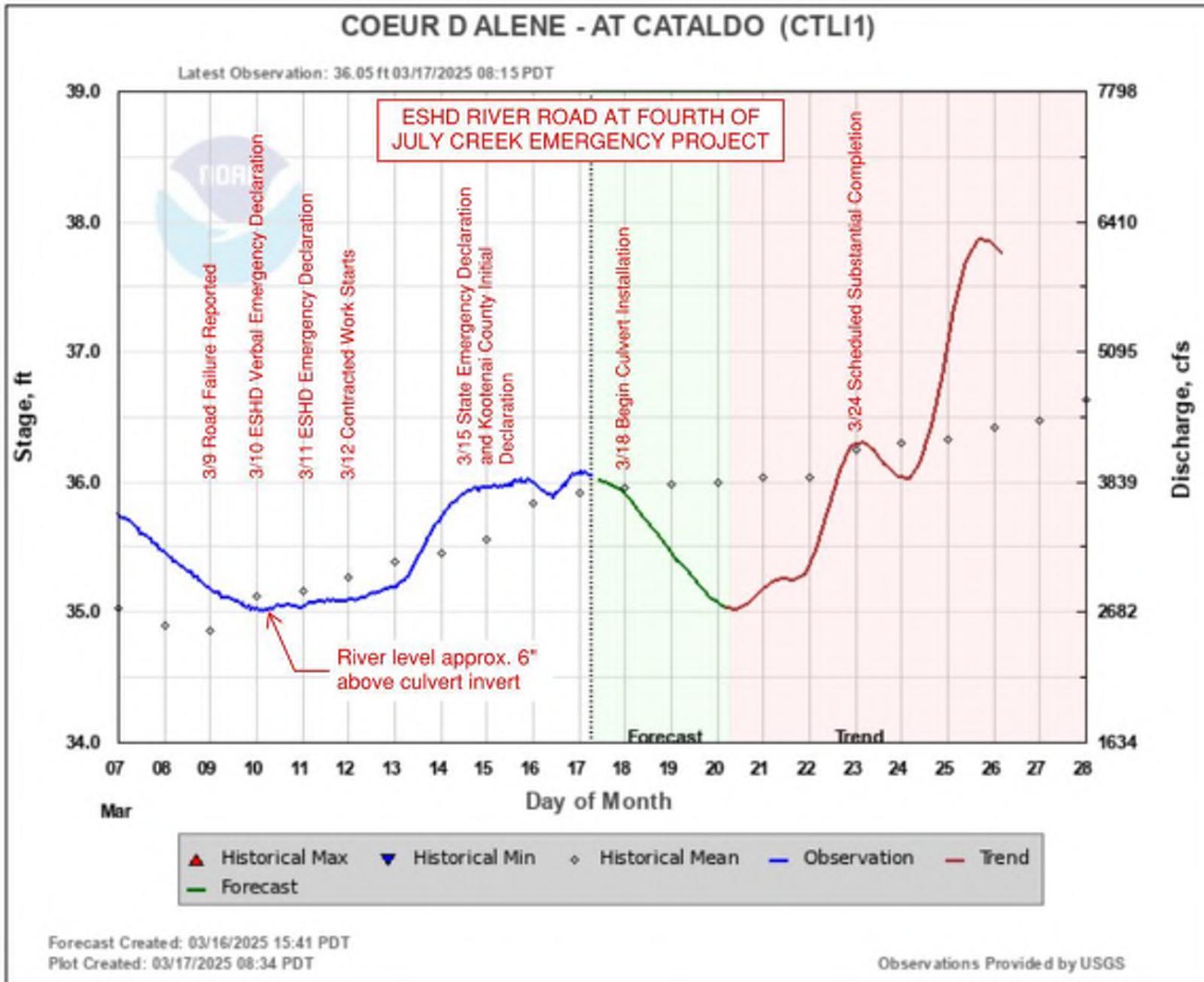


Text Message • SMS



Saturday
March 15
(Day 6)

The 4-10 Day Trend Forecast is based on model guidance and uncertainty during this period is greater.



Monday
March 17
(Day 8)



March 17
(Day 8)



March 17
(Day 8)



Monday
March 17
(Day 8)



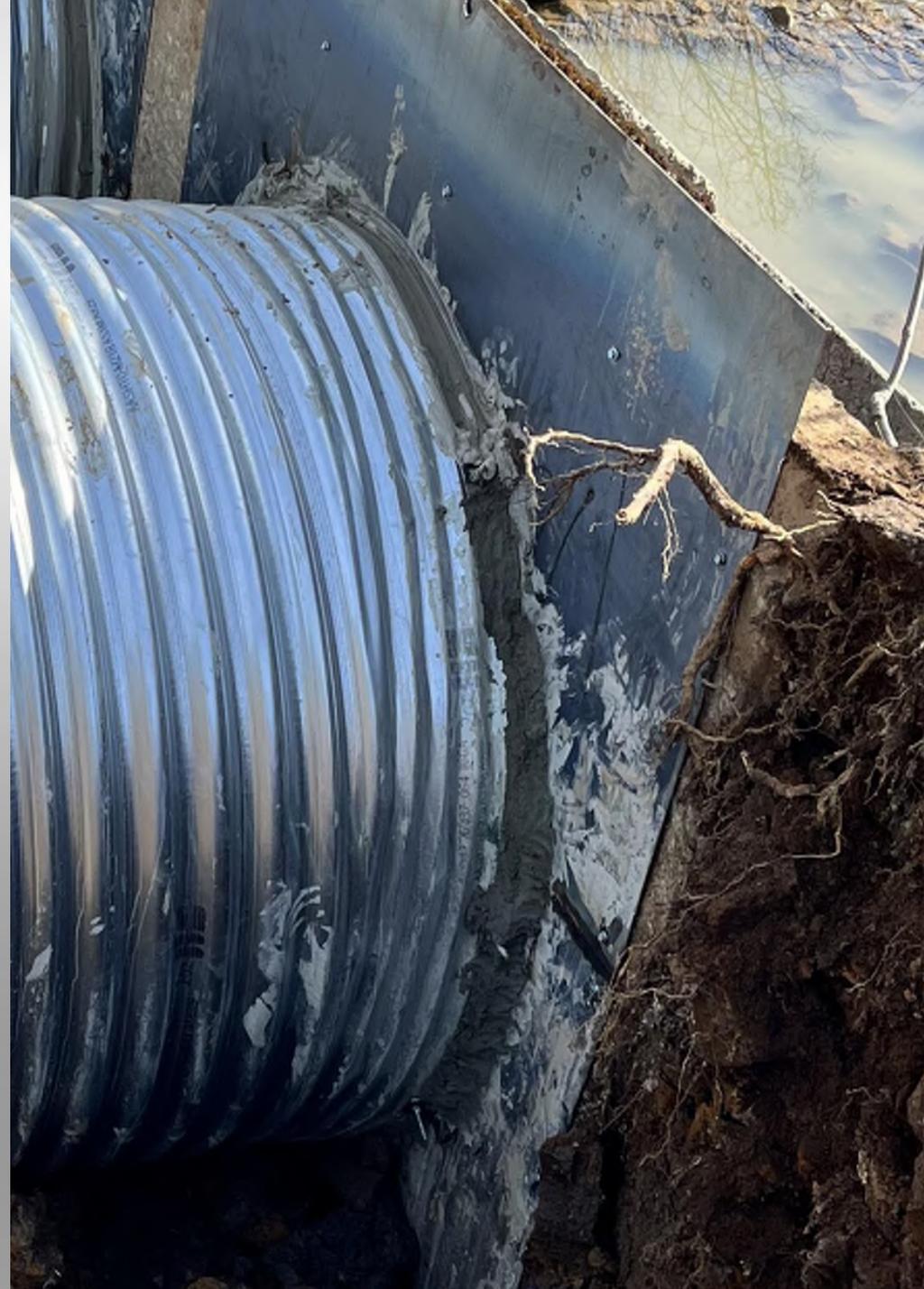
Wednesday
March 19
(Day 10)



March 19
(Day 10)



March 19
(Day 10)



March 19
(Day 10)



Thursday
March 20
(Day 11)



March 20
(Day 11)



March 20
(Day 11)



Friday
March 21
(Day 12)



March 21
(Day 12)



Saturday
March 22
(Day 13)



March 22
(Day 13)



Sunday
March 23
(Day 14)



March 23
(Day 14)



Tuesday
March 25
(Day 16)



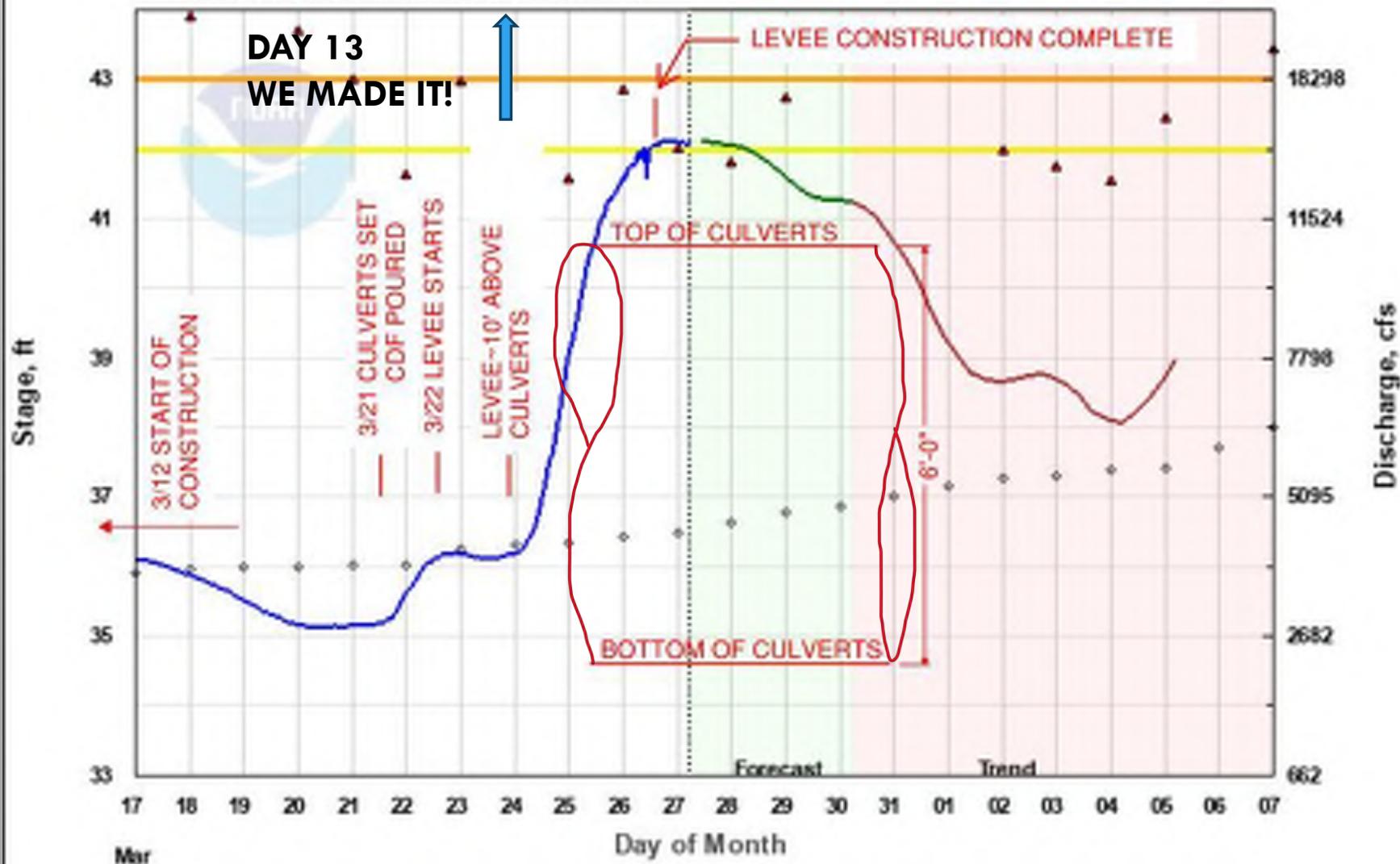
Wednesday
March 26
(Day 17)



March 26
(Day 17)

COEUR D'ALENE - AT CATALDO (CTL11)

Latest Observation: 42.12 ft 03/27/2025 06:15 PDT



— Action Level	— Flood Level	▲ Historical Max	▼ Historical Min	◊ Historical Mean
— Observation	— Trend	— Forecast		

Forecast Created: 03/26/2025 20:12 PDT
 Plot Created: 03/27/2025 06:41 PDT

Observations Provided by USGS

QUANTITIES

- CULVERTS: 210 LF OF 72-INCH CMP
- EXCAVATION: APPROX. 6,500 CY
- IMPORT: 4,507 TONS
- CDF: 187 CY

AGENCY OUTREACH

- THE TRUST
- EPA
- IDWR
- ARMY CORP
- IDFG
- RESTORATION PARTNERSHIP (VIA IDFG)
- NATIONAL WEATHER SERVICE & USGS
- IDEQ
- KOOTENAI DRAINAGE DISTRICT #1
- LHTAC
- KOOTENAI COUNTY OEM
- STATE OF IDAHO OEM
- ❖ *ONE 4-DAY EMAIL CHAIN HAS 45 EMAILS AND 26 PEOPLE FROM 8 AGENCIES*

WHO HELPED – THANK YOU!

- TERRY HARWOOD
- KOOTENAI DRAINAGE DISTRICT #1
- DG&S AND BASIN RESOURCES
- TRUE NORTH STEEL
- MINE FAB (ROLLED PLATE)
- JUB & STRATA (RESEARCH AND TESTING FOR LEVEE MATERIALS)
- LHTAC (FUNDING)
- ITD (PUMPS, EMERGENCY DECLARATIONS, TECHNICAL EXPERTISE)
- KOOTENAI COUNTY OEM (FUNDING AND NETWORK)
- STATE OEM (FUNDING AND NETWORK)
- ARMY CORP EMERGENCY RESPONSE STAFF (TECHNICAL EXPERTISE, EXPERIENCE)
- NATIONAL WEATHER SERVICE

LESSONS LEARNED

- KEEP A DAILY JOURNAL (NOT A NOTEPAD ON A CLIPBOARD)
- NETWORK AND RELATIONSHIPS MATTER
 - AGENCIES – WILLING TO GIVE US GRACE
 - ITD – KNEW WE MEANT IT WHEN WE SAID WE NEEDED HELP
 - TRUE NORTH – MADE AND DELIVERED CULVERTS IN FOUR DAYS
 - DG&S – WENT TO WORK ON A HANDSHAKE
- ASK FOR HELP OF ANY KIND, EVEN IF YOU THINK IT'S A NON-STARTER (EPA ASKED NWS TO PROVIDE RIVER AND CREEK FORECASTS)
- KNOW THE CONSTRAINTS AND ABILITIES OF YOUR “NORMAL” PROCEDURES AND TEAM
 - IN HOUSE CREWS
 - EVERYONE HAS SIDEBOARDS. YOUR EMERGENCY IS NOT THEIR EMERGENCY.
- ENGAGE WITH COUNTY EMERGENCY SERVICES AS SOON AS POSSIBLE. IF YOU ARE AN AGENCY, PUT THEIR CONTACT INFO IN YOUR PHONE NOW.

THOUGHTS FOR A PROFESSIONAL ENGINEER

- NO LEVEE EXPERIENCE = NO WORK?
- BALANCE OBLIGATION TO PROTECT PUBLIC HEALTH AND SAFETY WITH NO TIME FOR INVESTIGATIONS AND DESIGN. TWO HATS.
- CONSULTANTS HAVE CONSTRAINTS (LIABILITY, INSURANCE, LEGAL REVIEW, ETC.)
- OTHER AGENCIES CAN ASSIST

AHDKC STANDARDS UPDATE PUBLIC OUTREACH

PART 1 SURVEY



PART 2 SURVEY

