



**Loss of Natural Resources:**

- Additional Loss of Cottonwood Trees
- Risk of Fallen Trees Entering Reservoir



**182** Fallen trees in the channel  
**292** Live trees at risk within 5 feet of the channel



**CC-10 Flow Gage**



**Aurora Water Lines and Pipeline Trail**



**Threat to Existing Infrastructure**

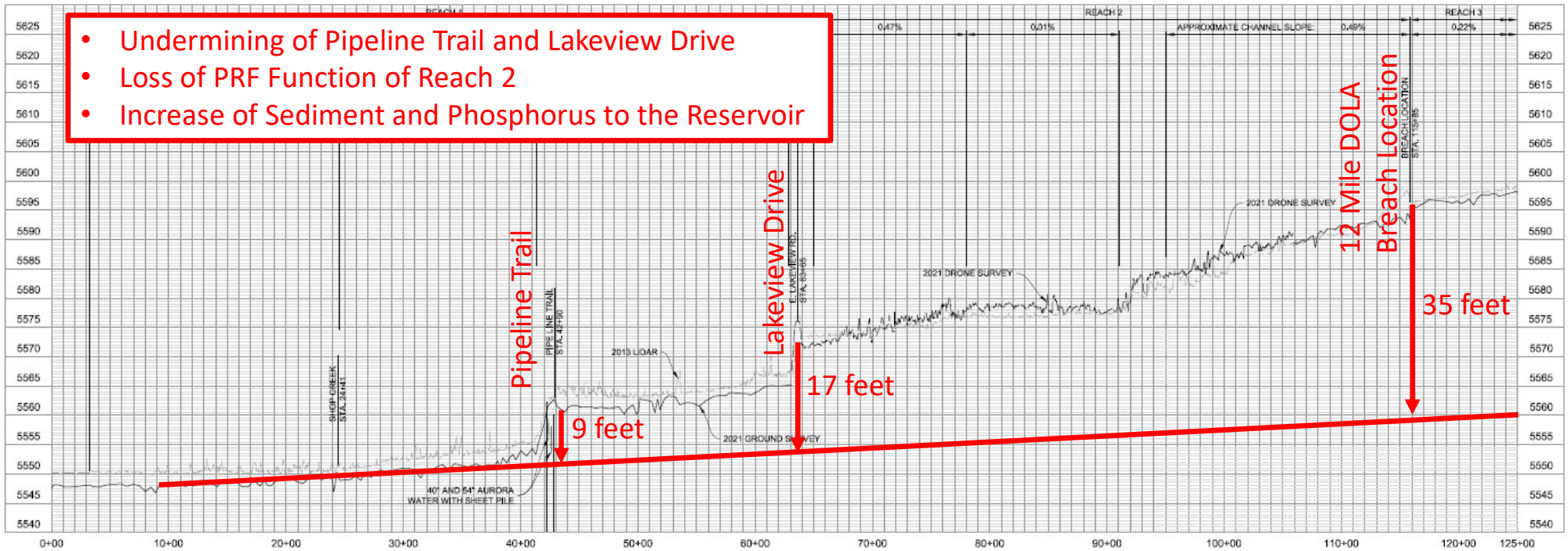


**Lakeview Drive**



**Channel Degradation**

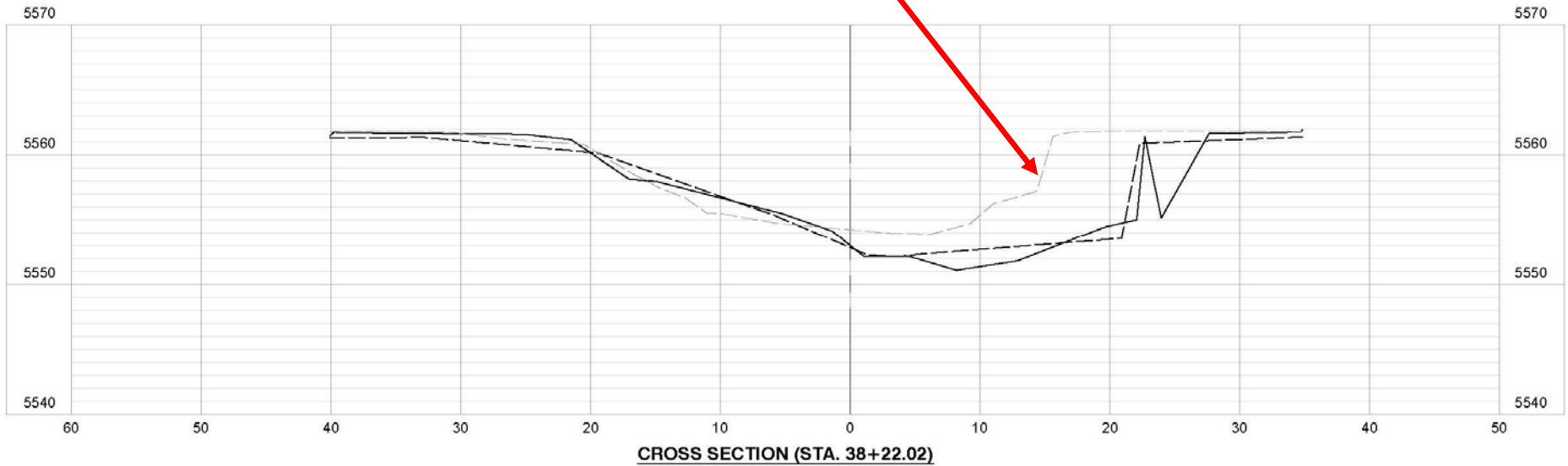
- Undermining of Pipeline Trail and Lakeview Drive
- Loss of PRF Function of Reach 2
- Increase of Sediment and Phosphorus to the Reservoir





**History of Widening:**

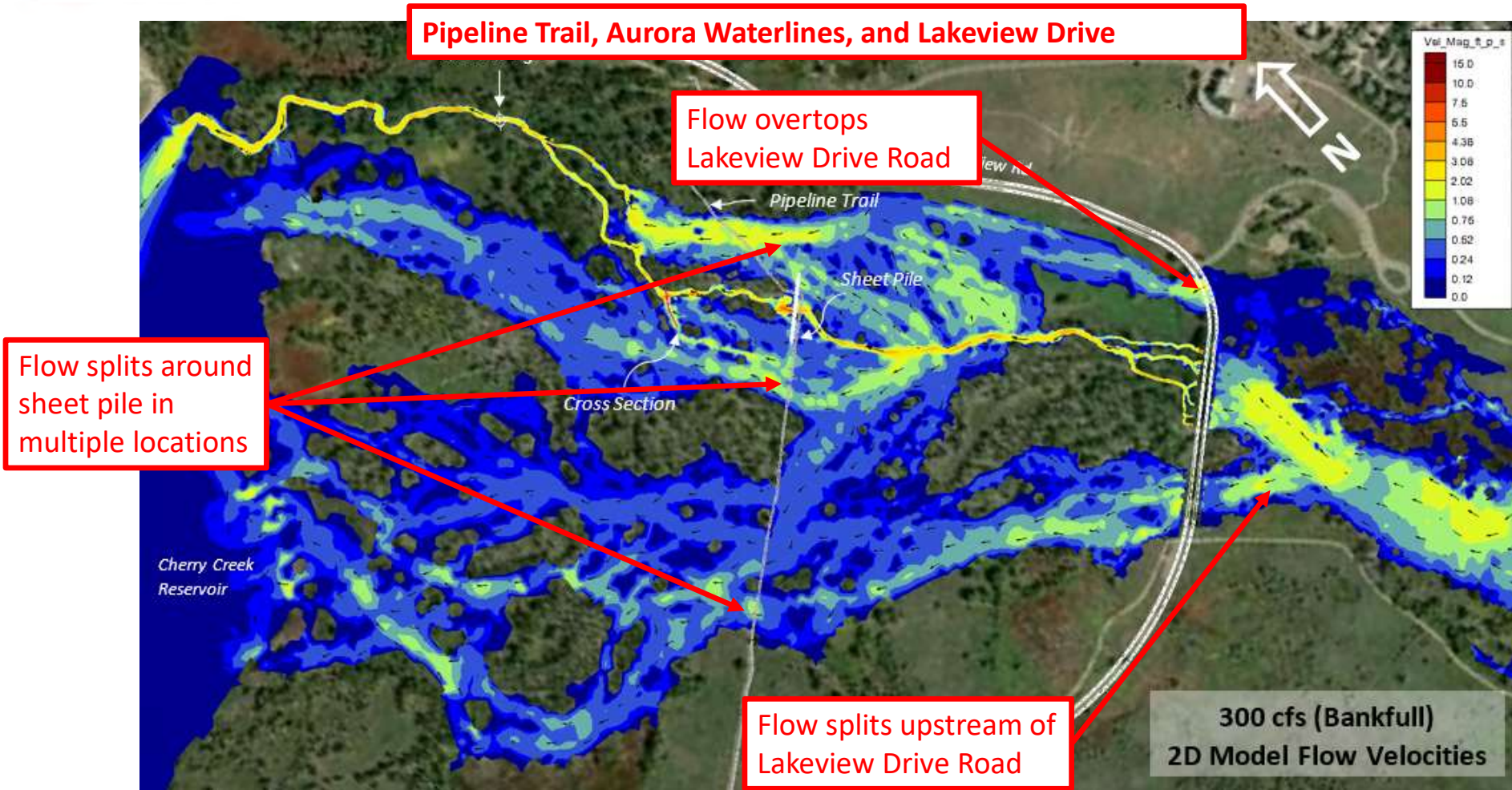
- Roughly 8' lateral migration since 2013

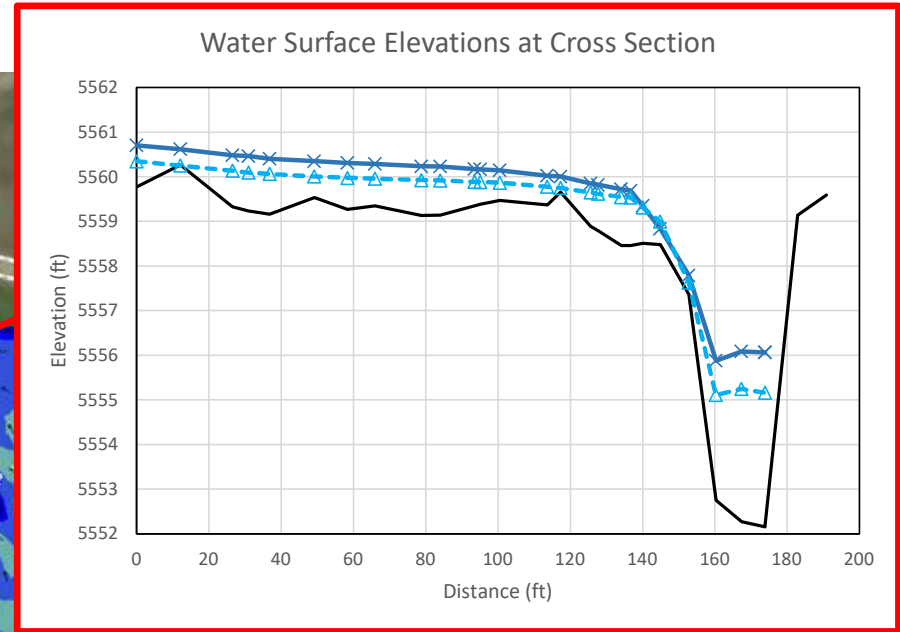
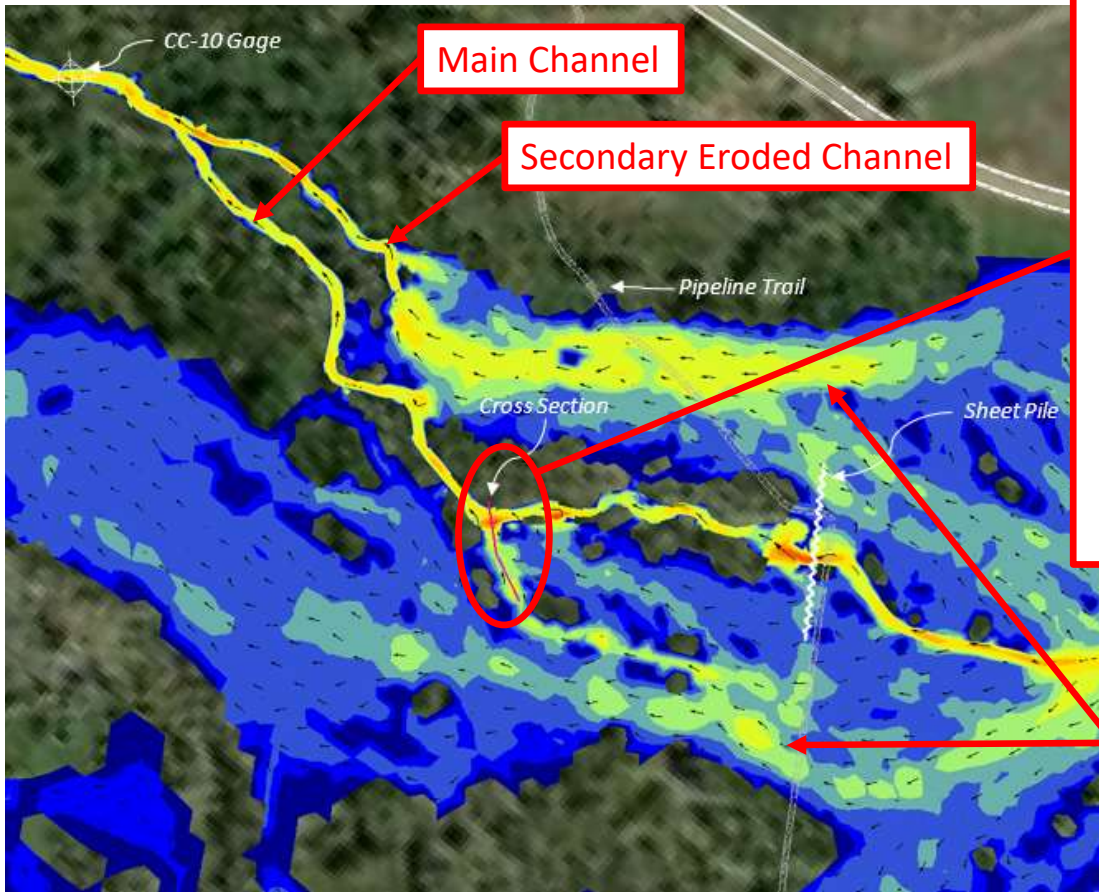


**LEGEND - CHERRY CREEK  
CHANNEL SECTIONS**

- 2013 LIDAR
- 2021 DRONE SURVEY
- 2021 GROUND SURVEY

Reach 1 Monitoring Cross Section: Downstream of Pipeline Trail



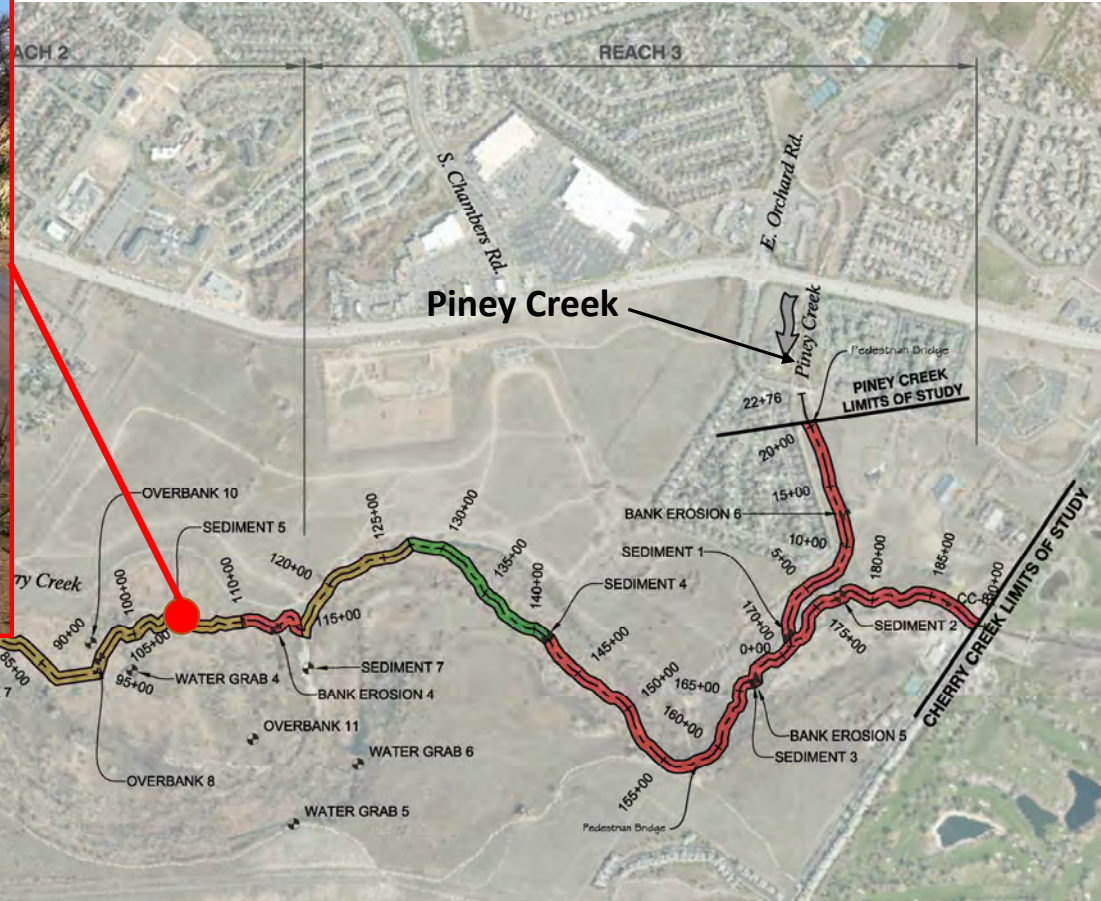


**Pipeline Trail and Aurora Water Lines:**

- Waterfalls occur where flood flows re-enter channel.
- Erosive velocities at re-entry points will lead to secondary channels that can travel outside of existing countermeasures.



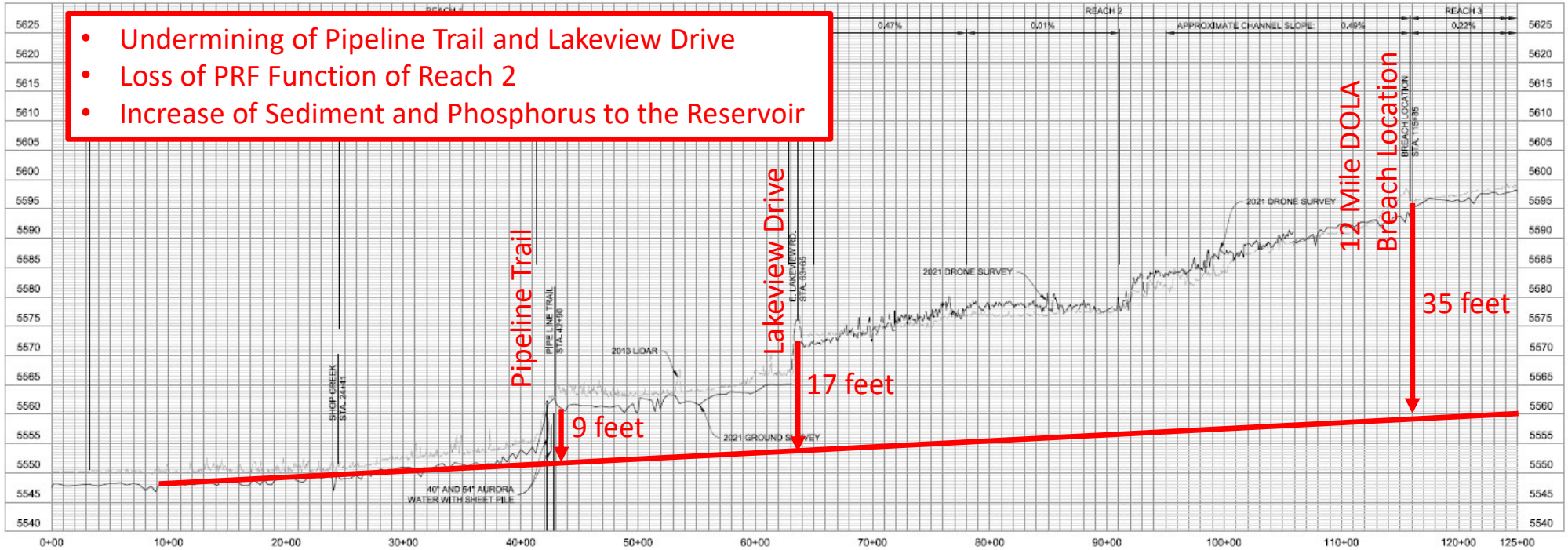
- **Preserve PRF Function of Reach 2**
- **Reduce Risk of Degradation in Reach 2**





### Channel Degradation

- Undermining of Pipeline Trail and Lakeview Drive
- Loss of PRF Function of Reach 2
- Increase of Sediment and Phosphorus to the Reservoir





## Existing Conditions – Cherry Creek and Piney Creek









**Reach 2 (05-22-23)**  
Post Storm Photos





**Reach 3 (05-22-23)**  
Post Storm Photos

