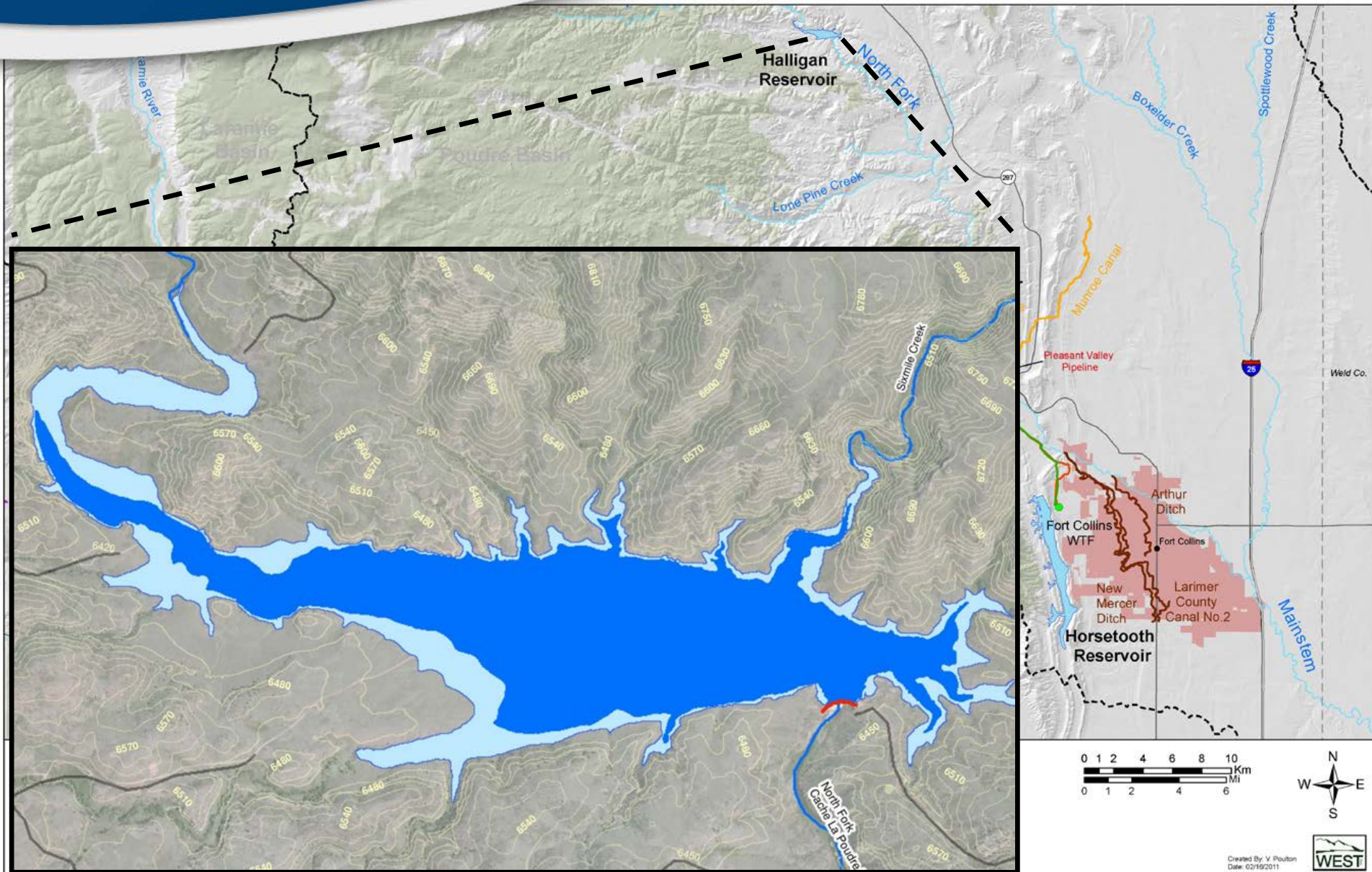
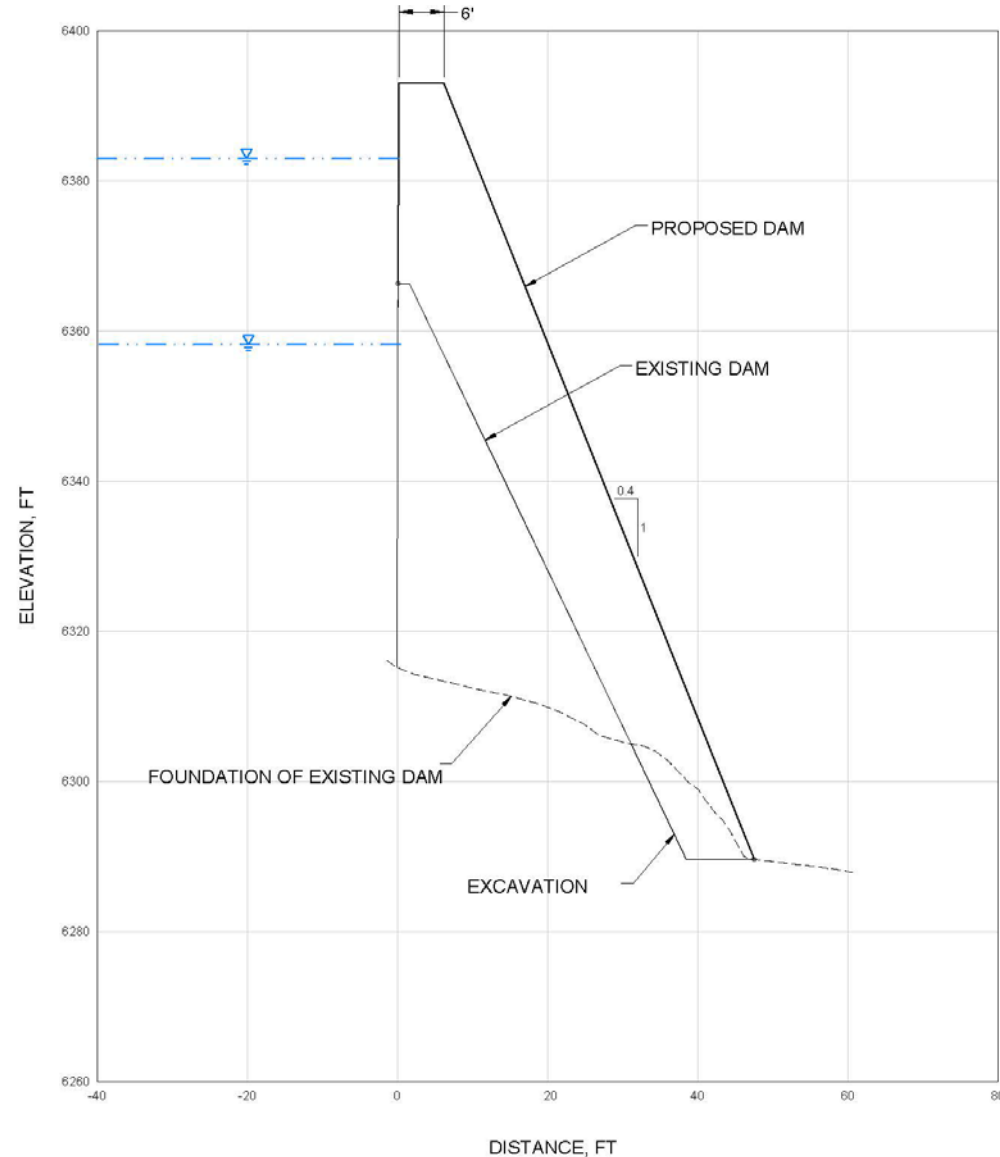


## Halligan Water Supply Project





- Scale and cap existing concrete
- Liner on upstream face
- New multi-level outtake tower
- Maintains existing form



- Meet future water demands (Fort Collins Utilities)
- Drought security
  - Climate change
- Storage reserve for emergencies
  - Forest fires
  - Infrastructure failures





- Constructed in 1909 by the North Poudre Irrigation Co.



## **WEEKLY COURIER.**

WEDNESDAY, SEPT. 26, 1906.

### **WILL BUILD RESERVOIR NO. 16**

North Poudre Irrigation Company  
Preparing to Build Immense  
Dam in North Poudre  
Canon.

Dam Will Hold and Store 900,000,000  
Cubic Feet of Water, Covering  
45.1 Acres of Land, and Will  
Cost \$371,000 When  
Completed.

**BIGGEST RESERVOIR  
IN NORTHERN COLORADO**

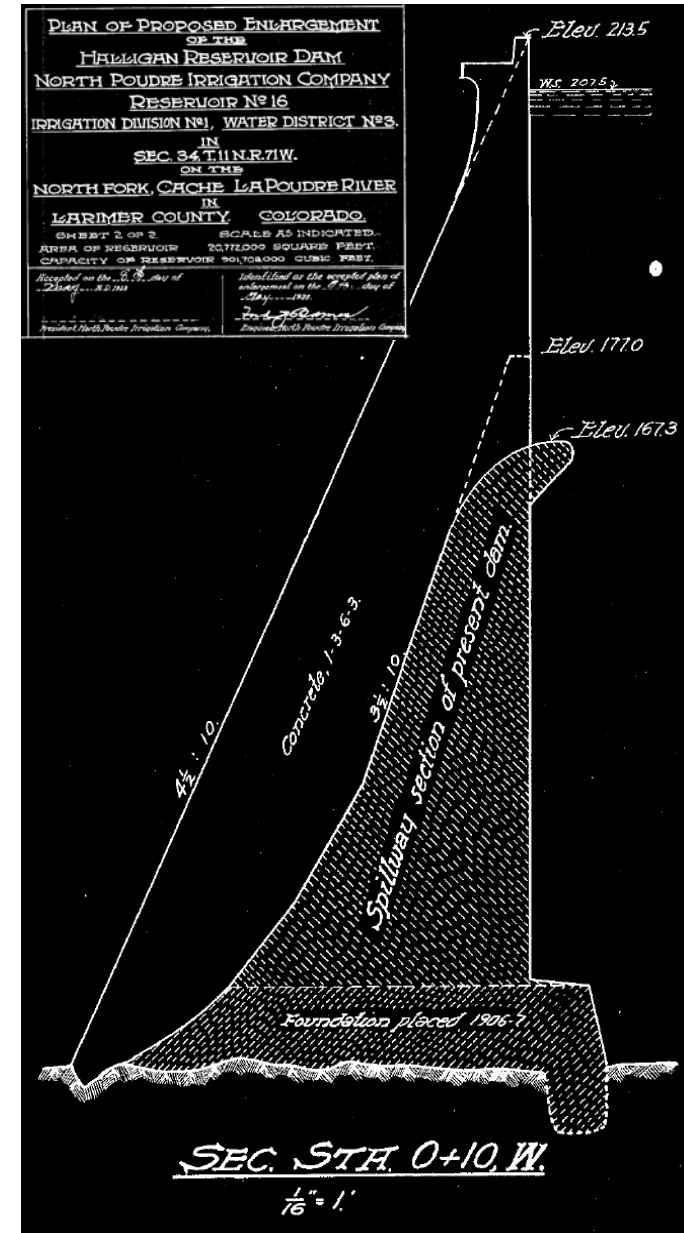
- Enlargement sought for over 100 years

REPORT  
ON INVESTIGATION OF  
HALLIGAN DAM  
FOR  
THE NORTH POUDRE IRRIGATION COMPANY

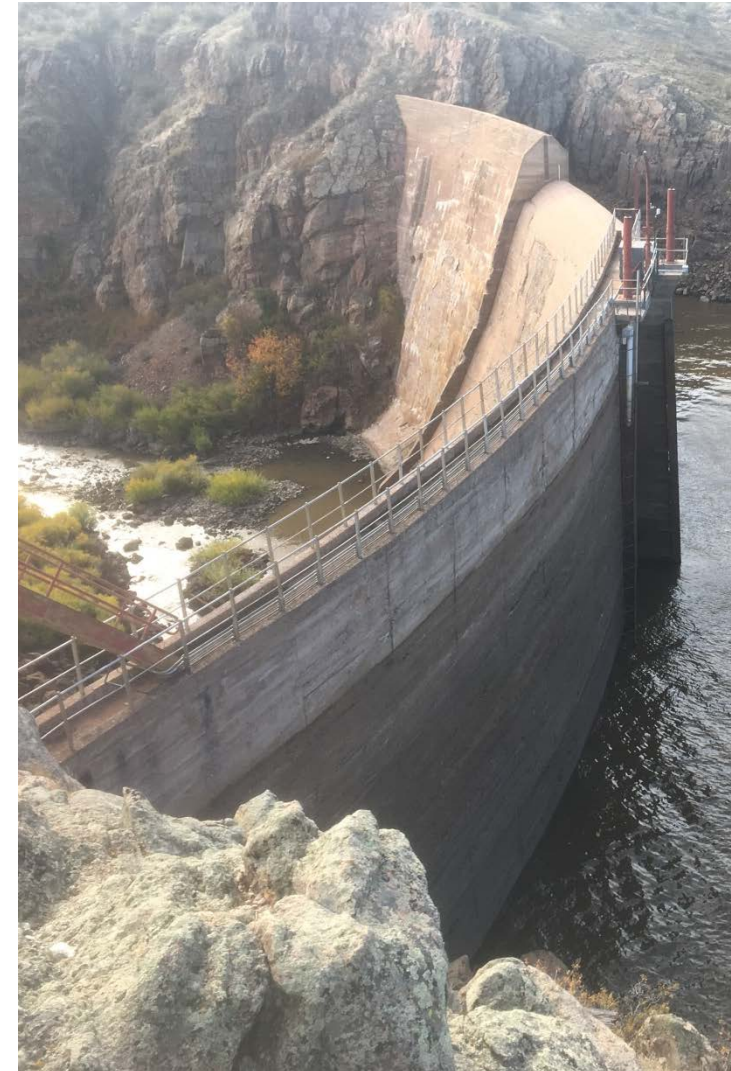


Phillips-Carter-Osborn, Inc.

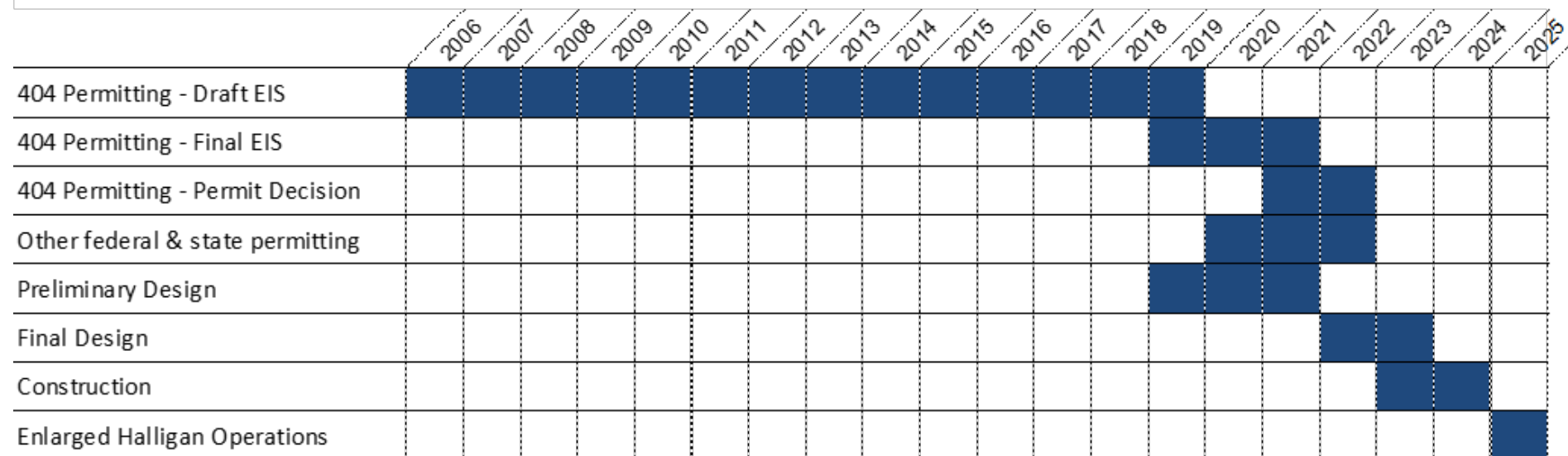
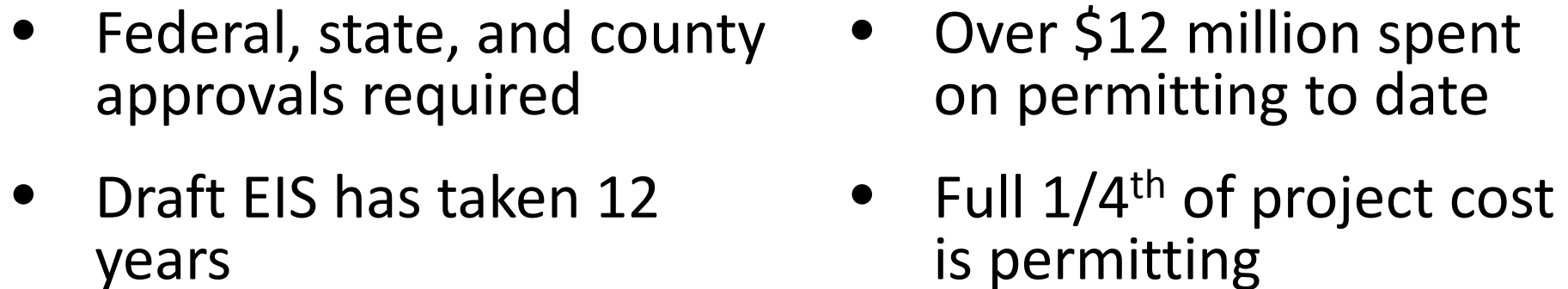
September, 1964



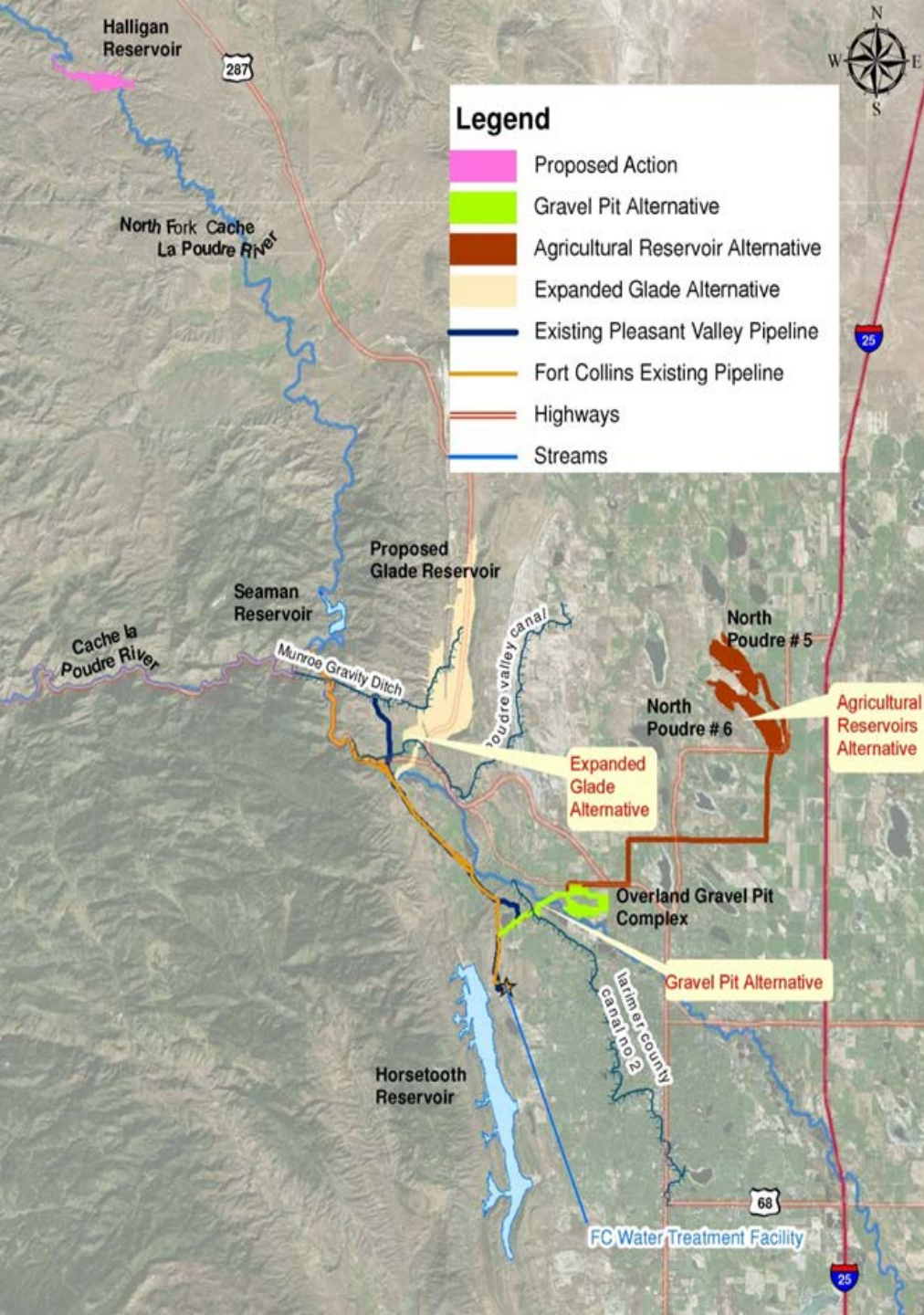
- City involved since late 1980s
- Original proposal: 40,000 acre-foot regional project
- Partners withdrew citing length and cost of permitting process
- Water conservation reduced Fort Collins portion ~4,000 acre-feet











## EIS Alternatives

1. Gravel Pits
2. Agricultural Reservoirs
3. Expanded Glade
4. Halligan Enlargement
5. No-Action



# Halligan Advantages

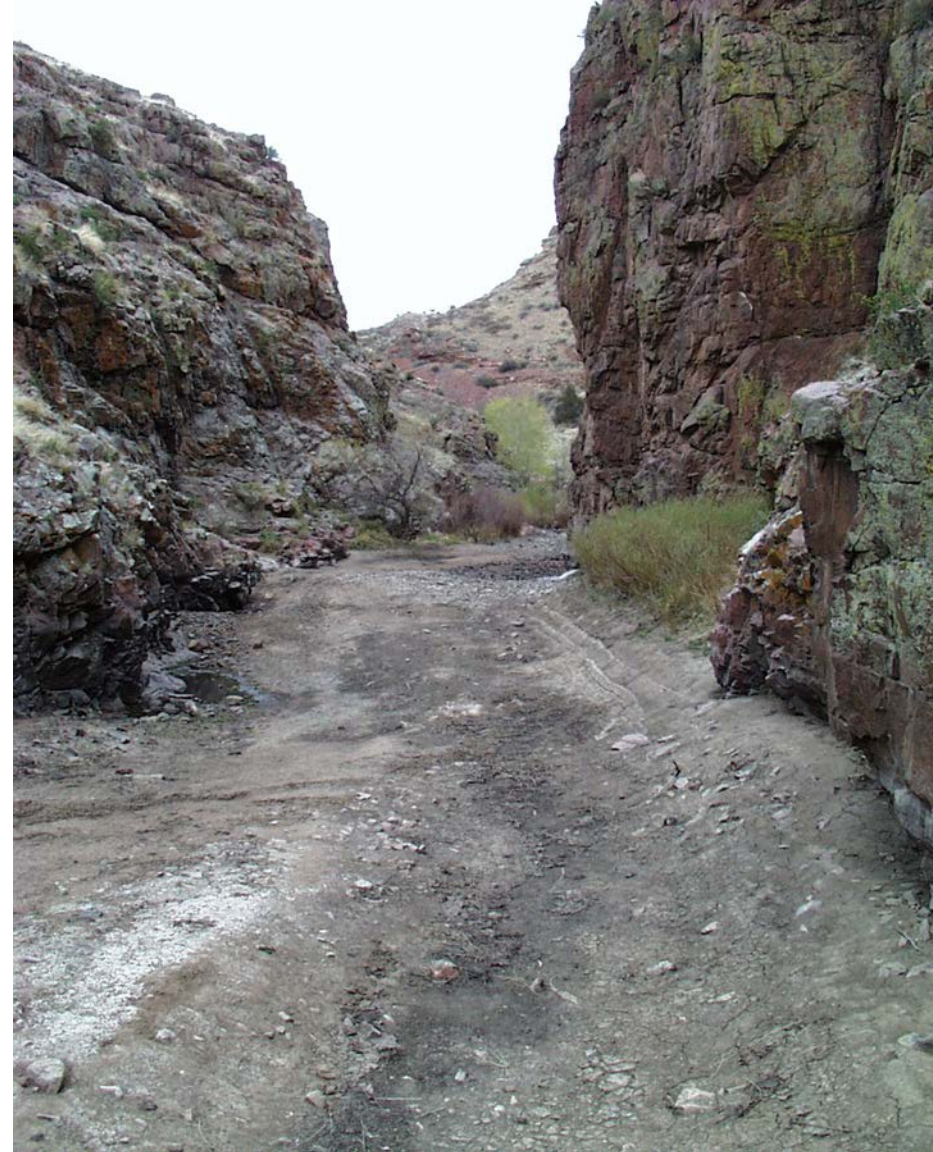
- Existing reservoir
- Gravity system – no pumping, no greenhouse gas emissions
- Replaces aging dam, solves safety issue
- Significant river improvements & environmental benefits
- Very cost effective (\$8,800 per acre-foot)



- Solves need for major rehabilitation/  
replacement of existing  
dam
- \$10M+ cost to irrigation  
company
- Many same construction  
impacts as enlarging dam



- Ensures year-round flows on North Fork
- Reconnects 22 miles of river
- Improves water temperatures
- Peak flows bypass plan
- Diversion dam removal







- For the first time, open reservoir to public use
- Fishing, nature viewing, and non-motorized boating





- Inundation of wetlands
- Seasonal inundation of stream channel
- Preble's meadow jumping mouse
- Construction impacts (dust, noise, reservoir drawdown)
- Reduced stream flows during runoff



Broad support for proposed action from:

- Environmental groups
- Business community
- Agricultural community
- Elected representatives

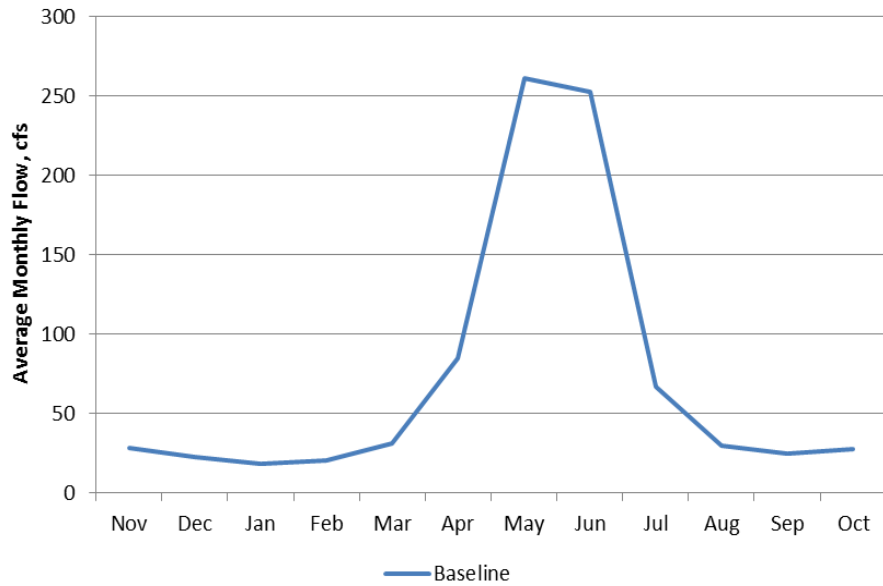




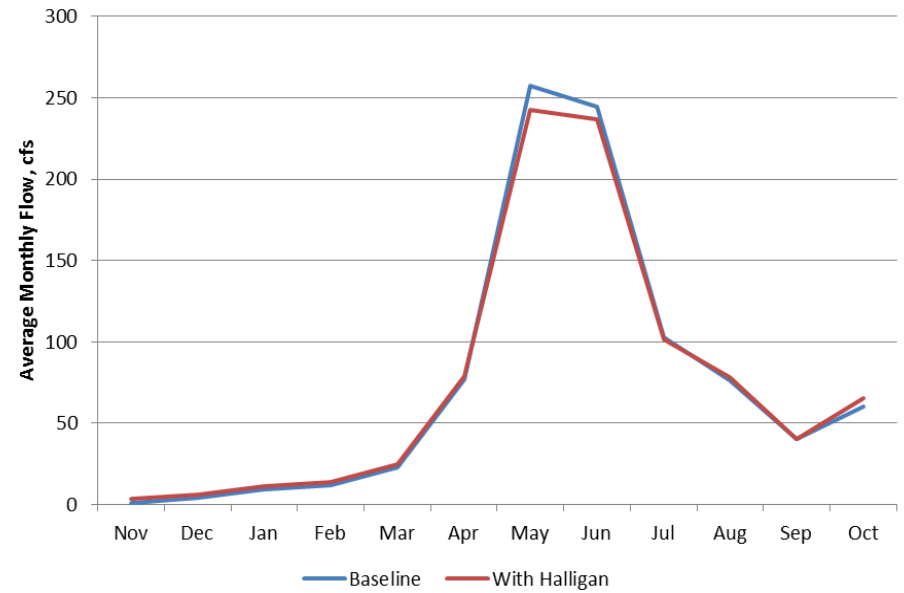
# fcgov.com/halligan

Adam Jokerst  
[ajokerst@fcgov.com](mailto:ajokerst@fcgov.com)  
(970) 221-6672

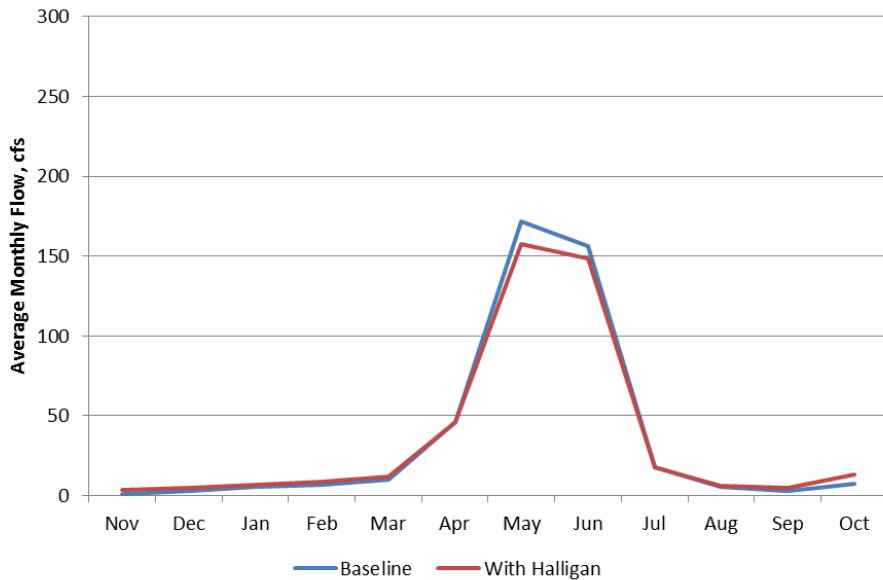
### Above Halligan Reservoir



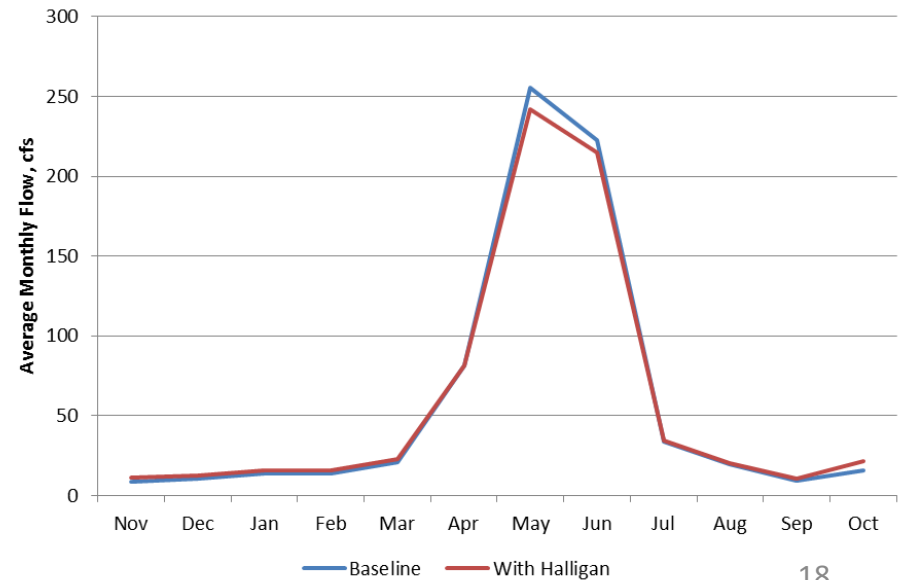
### Below Halligan Dam



### Below North Poudre Canal



### Livermore Gage





<b>Expenses (\$M)<sup>1</sup></b>	<b>To Date<sup>2</sup></b>	<b>Future</b>	<b>Total</b>
Acquisition	\$3.3	\$0.3	\$3.6
Permitting & Mitigation	\$12.0	\$9.1	\$21.1
Construction	-	\$31.3	\$31.3
Debt Service <sup>3</sup>	\$1.9	-	\$1.9
Risk Mitigation/Contingency	-	\$16.3	\$16.3
<b>Total</b>	<b>\$17.2</b>	<b>\$56.9</b>	<b>\$74.1</b>