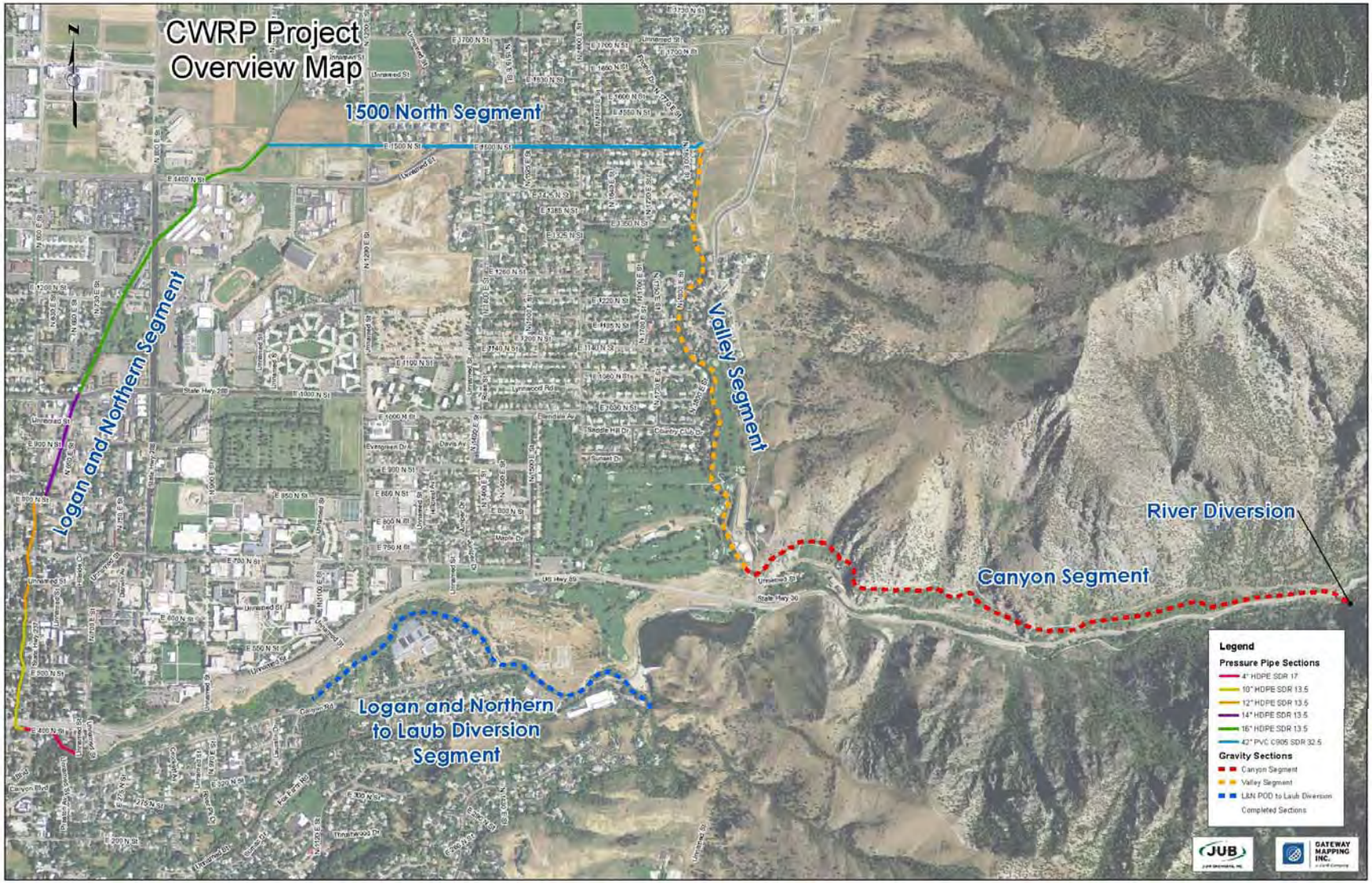
CACHE WATER
Restoration Project

A Community Partnership

Logan Hyde Park Smithfield Canal Shareholders' Update

Project Overview



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LHPS Point of Diversion

- 90 CFS Diversion from Logan River
- No Screening
- Manual Operated Gate

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LHPS Point of Diversion

- 130 CFS Diversion from Logan River
- 1.75 mm screen opening
- Fish Bypass
- Automated Screen Cleaner

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LHPS Point of Diversion

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LHPS Point of Diversion

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Logan Canyon Segment

- 7,850 feet of Channel in the Canyon
- Narrow Channel
  - 9 feet at some locations
- Overhanging Rock
- Three Access Points

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Logan Canyon Segment

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Logan Canyon Segment

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Canyon Segment

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Valley Segment

- 5,930 feet Open Channel

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Valley Segment

- Four Pipes; Concrete, PVC

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Valley Segment

- 3,000 feet through golf course

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Valley Segment

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Valley Segment

- Four Pipes, One open Channel; Concrete, PVC

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1500 North Pressure Pipeline

- 5,420 feet
- No Previous Piping

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1500 North Pressure Pipeline

- PVC C-905 Pipe
- Pipe through and existing streets and USU property

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1500 North Pressure Pipeline

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Logan Northern Canal Pressure Pipeline

- 8,350 feet
- Open Channel
- Encroachments on Easement

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Logan Northern Canal Pressure Pipeline

- HDPE Pipe
- Open Storm Water Channel

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Logan Northern Canal Pressure Pipeline

- HDPE Pipe
- Open Storm Water Channel

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Laub Diversion Pipeline

- 5,200Feet
- Open Channel

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Laub Diversion Pipeline

- HDPE Pipe
- Screen Cleaner

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Laub Diversion Pipeline

- HDPE Pipe
- Finished Product

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Cache Highline Water Assoc. Davis & Weber Counties Canal Co. Comparison

	DWCCC	CHWA
Overall Canal Length	17.2 Miles	8.9 LHPS/12.3 LNC
Reconstructed Length	9.2 Miles	6.0 Miles
Total Project Costs	$32,370,000	$22,900,000
Grant Amounts	$5,200,000	$17,520,000
DWRe/Company Match	$27,170,000	$5,380,000
Acre Feet per Share	6	LHPS 8 / LNC 4
1999 Cost per Share	$34.00	$27.76 LHPS / $16.91 LNC
2014 Cost per Share	$250.00	$126.16 LHPS / $76.86 LNC
Pre-Cost per Acre Foot	$5.67	$3.47 LHPS / $4.23 LNC
Post-Cost per Acre Foot	$41.67	$15.77 LHPS / $19.22 LNC

J-U-B ENGINEERS, INC.

Project Awards

- American Civil Engineering Consultant – Engineering Excellence Honor Award: *Water Resources*
- Utah Construction & Design Magazine 2013 Most Outstanding Projects: *Municipal/ Utility*

Utah Construction & Design *Voice of the A/E/C Industry*

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Project Status / Project Schedule

- System operational – May 6, 2013
- Construction completion – November 2013
- Project closeout – February 2014
- One year ahead of schedule
- Over $2,000,000 under budget

J-U-B ENGINEERS, INC.

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