



**Item 6c**

# **JOLLYVILLE TRANSMISSION MAIN: Environmental Commissioning Summary Report**

**Presented to the Austin Environmental Board  
June 17, 2015**

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Watershed Protection Department**



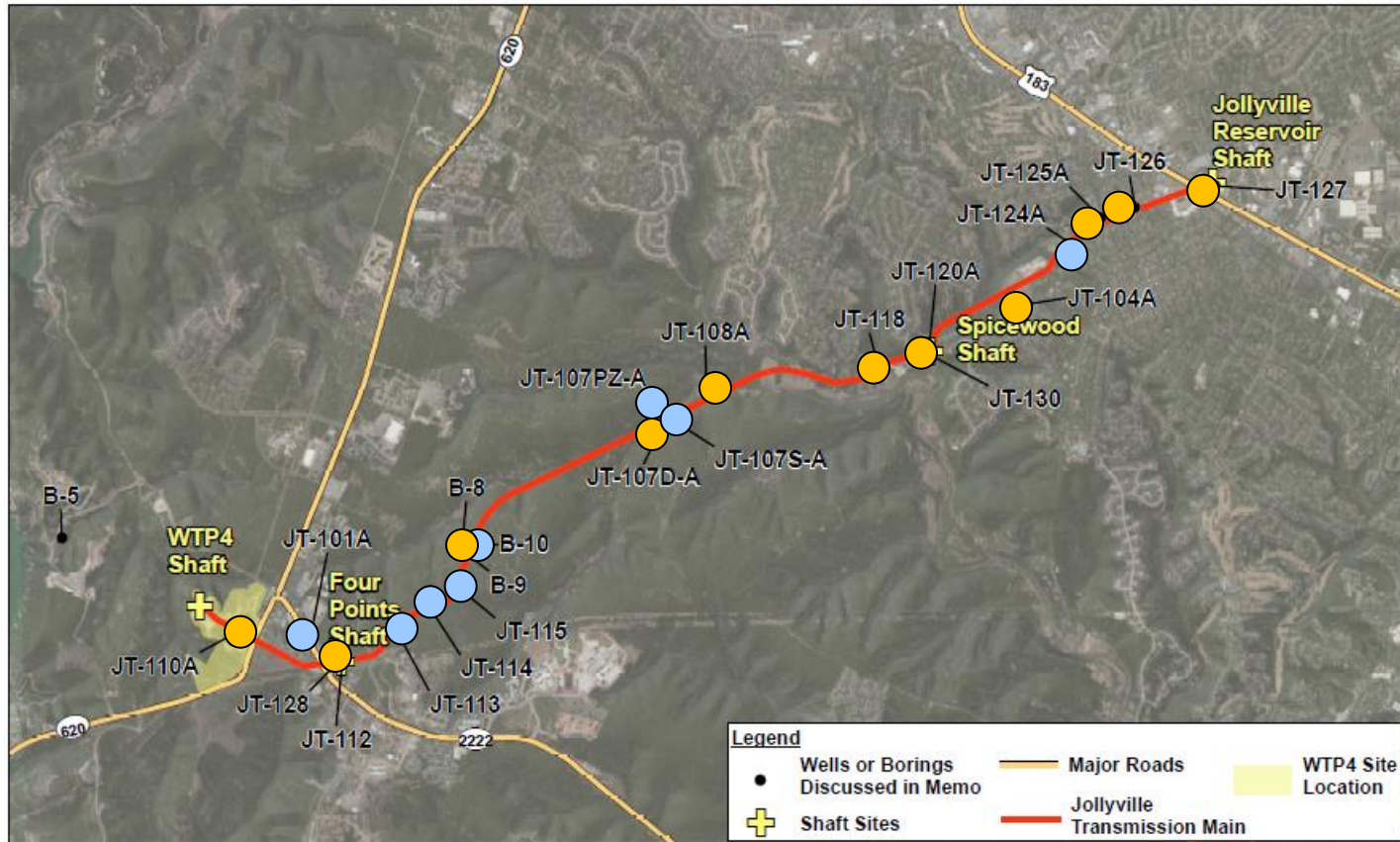
# Environmental Commissioning

February 2015 report to the Environmental Board focused on the primary environmental concerns and the key Environmental Commissioning accomplishments. Tonight will focus on:

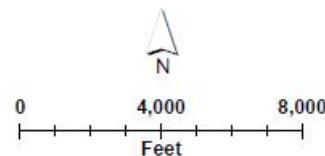
- Groundwater monitoring
- Recovery of water levels in wells impacted by shaft and tunnel excavation
- Remaining EC work



# Wells with Water Level Changes During Construction

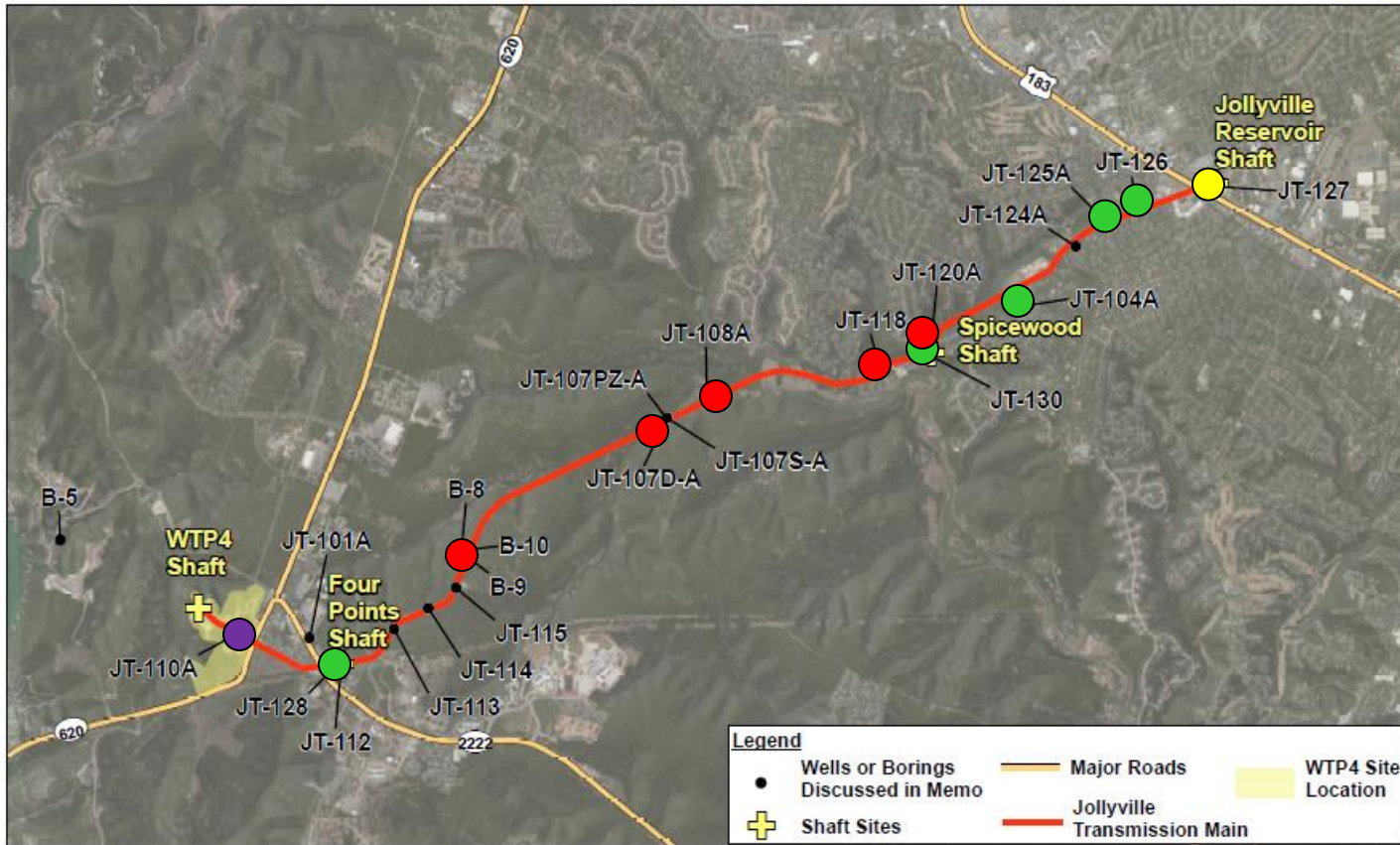


**Figure 1**  
Map showing locations of monitoring wells  
along Jollyville Transmission Main route

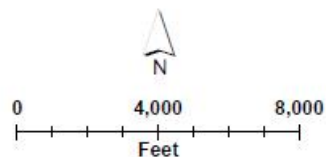




# Well Water Level Recovery



**Figure 1**  
Map showing locations of monitoring wells  
along Jollyville Transmission Main route





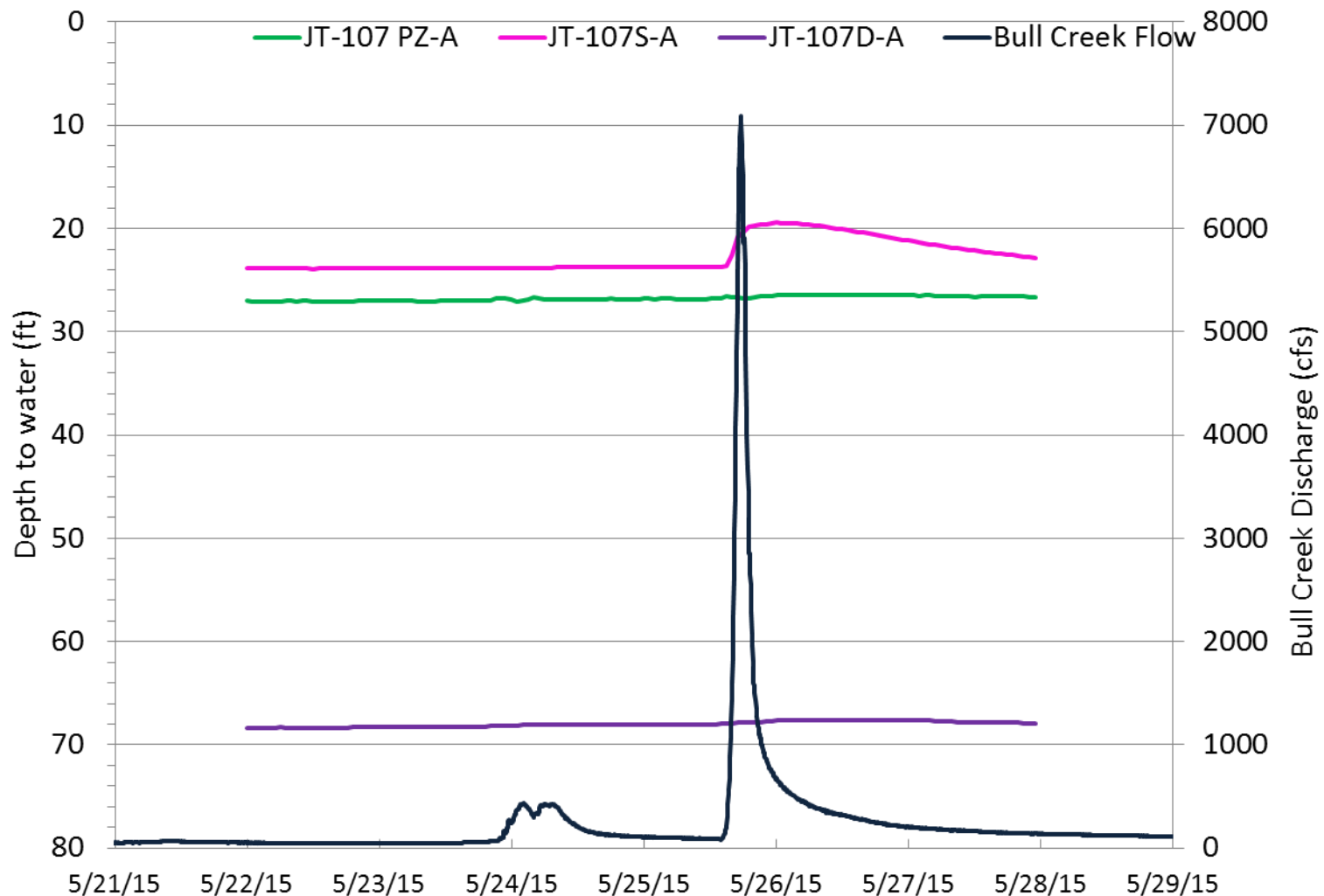
# Well Water Level Recovery Summary

Well	Formation Monitored	Pre-Construction Groundwater Elevation (ft MSL)	Maximum Drawdown During Construction (ft)	Most Recent Monitoring Date	Recent Groundwater Elevation (ft MSL)	Percent (%) Recovery
JT-110A	Glen Rose	823	18	July 12, 2012	805.1	*
JT-101A	Edwards	978.7	--	June 12, 2015	978.8	--
JT-128**	Edwards	978.3	2.1	September 17, 2014	978.4	105
JT-112	Edwards	977.6	1.0	June 12, 2015	977.8	116
JT-113	Edwards	963.7	--	June 12, 2015	966.5	--
JT-114	Edwards	956.6	--	June 12, 2015	957.1	--
JT-115	Edwards	944.9	--	June 12, 2015	946.4	--
B-8B	Glen Rose	760	57	May 26, 2015	715.0	21
JT-107-SA	Glen Rose	760	--	June 11, 2015	760.3	--
JT-107-PZA	Glen Rose	759.5	3	June 11, 2015	758.1	53
JT-107-DA	Glen Rose	719.5	7	June 11, 2015	716.2	53
JT-108A***	Glen Rose	750	4	June 11, 2015	747.7	41
JT-118A	Glen Rose	720	16	June 11, 2015	714.1	63
JT-120A****	Glen Rose	715	55	June 11, 2015	696.6	67
JT-130	Glen Rose	707	4	June 11, 2015	709.5	163
JT-104A	Walnut	779	25	June 11, 2015	780.6	106
JT-124A	Edwards	854	--	June 11, 2015	857.3	--
JT-125A	Glen Rose	822	53	June 11, 2015	835.5	125
JT-126	Glen Rose	801	74	June 11, 2015	808.6	110
JT-127	Edwards	879	59	June 11, 2015	874.3	92



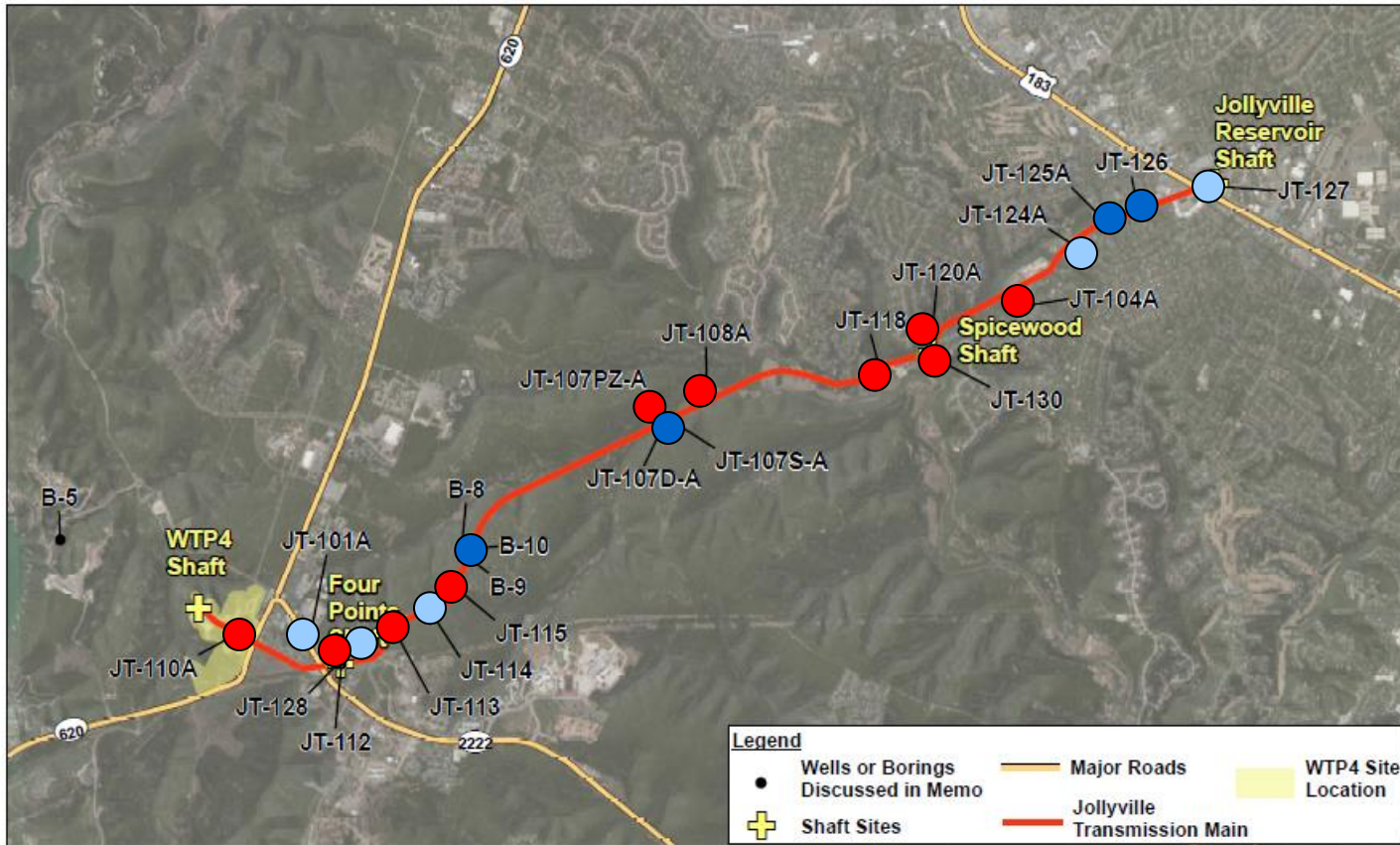
# Water Level Responses to Memorial Day Rains

## JT107 Wells: Depth to Water

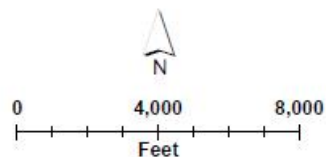




# Wells: Plugging Some, Keeping Some



**Figure 1**  
Map showing locations of monitoring wells along Jollyville Transmission Main route





# Remaining EC Tasks

- Post-construction monitoring extended until June and possibly longer
- Plug and abandon selected wells, leaving some open for long-term monitoring for other COA programs
- Environmental Commissioning final report





# Environmental Commissioning Final Report

- Review of the EC plan goals and degree of success
- Review EC process successes and failures
- Lessons learned and recommendations for future EC projects
- Appendices





# Questions?

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