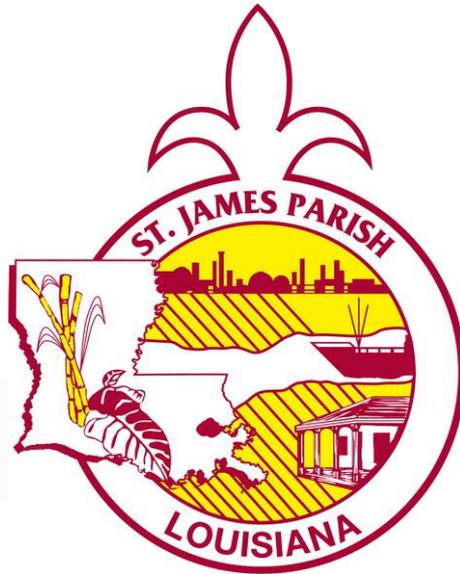


West Bank Drainage Projects



West Bank Drainage Projects

- Vacherie Area Drainage Study (2015)
- S. Vacherie Flood Protection (2013)
- St. James Canal & Bayou Verret (2014)

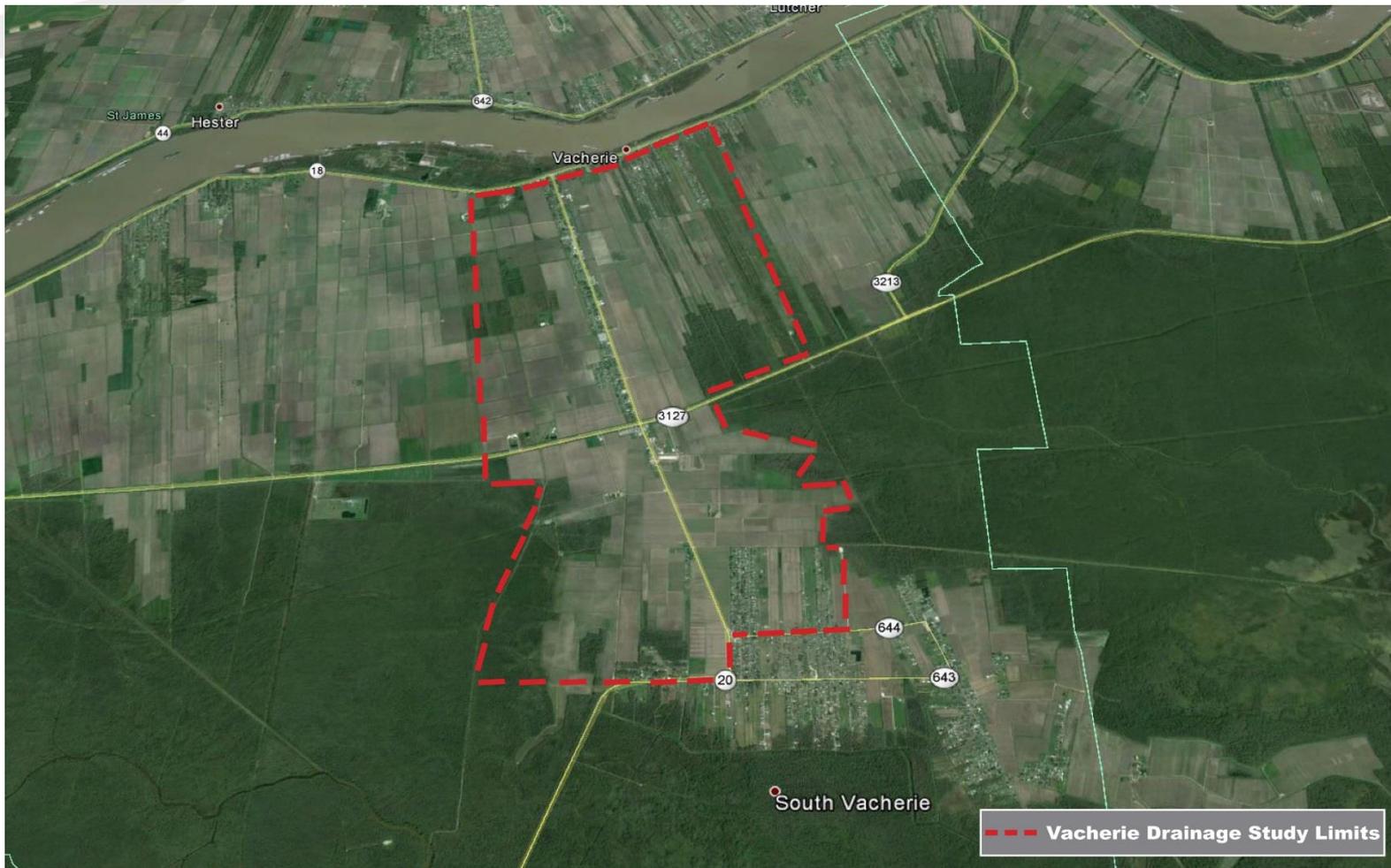


Vacherie Area Drainage Study

- Began in August, 2014
- Heavy rainfall event on May 27, 2014
- Completed in August, 2015



Vacherie Area Drainage Study



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Survey/Recon Summary

- Nearly **300** major culvert locations surveyed
 - Size, type, invert, and crossing height were documented
 - Photos of obstructed/damaged structures
- Network of major ditches and canals surveyed totaled approximately **38** miles.
- Additional data collected on roadways & across fields
- Field review and site visits performed by T. Baker Smith engineering staff – some during heavy rainfall events.



Survey Photos

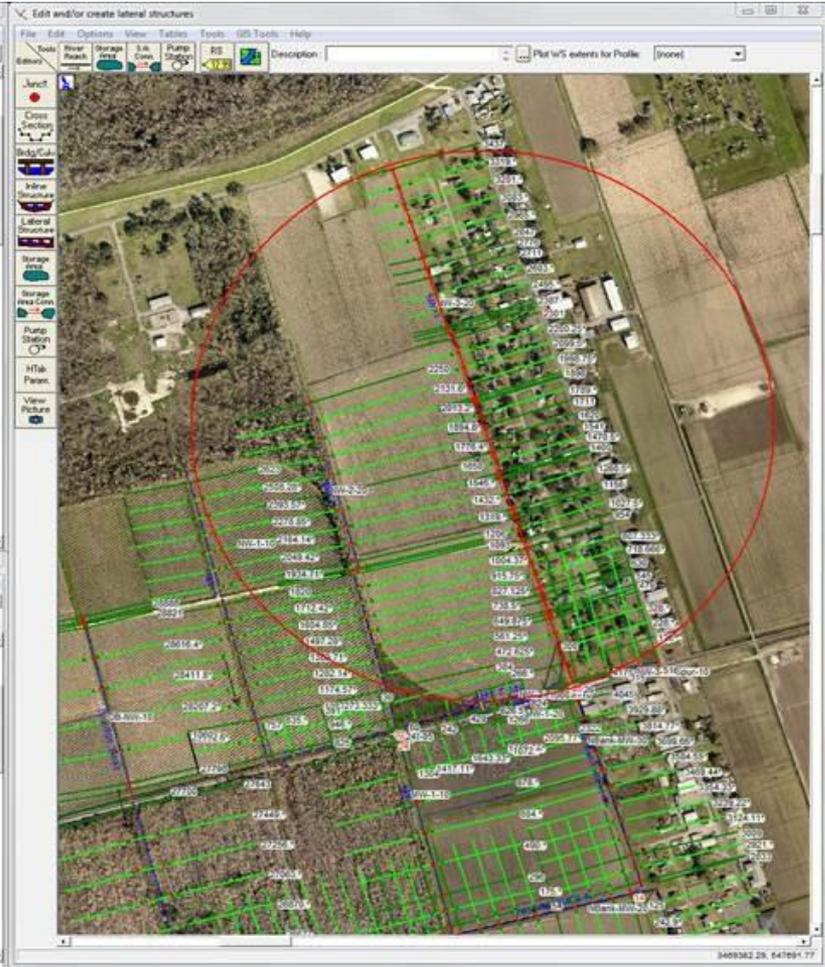
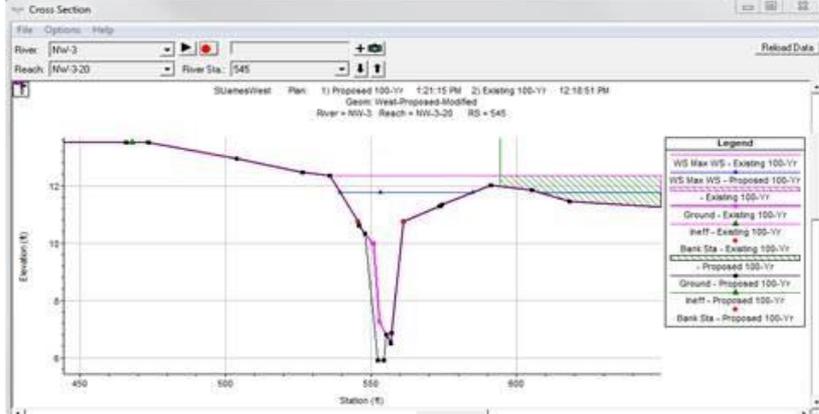
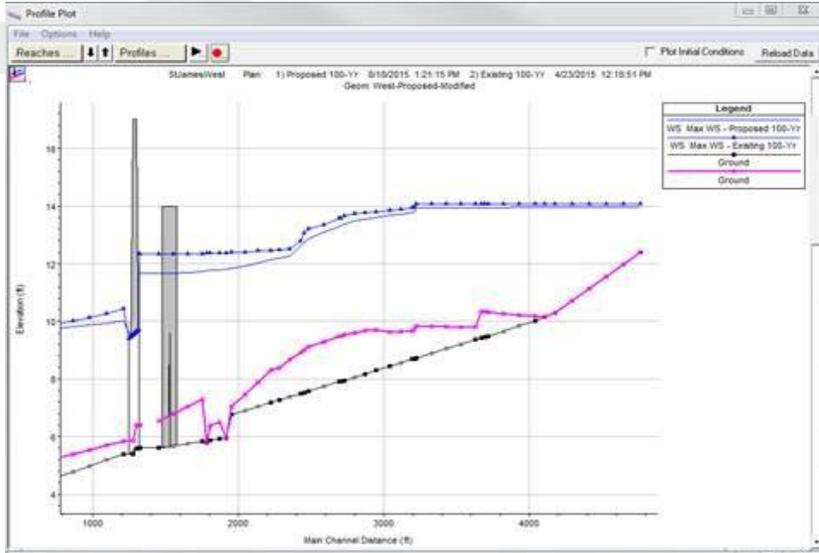


Survey Photos



Hydraulic & Hydrologic Modeling

Improved Conditions Model



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Improvements

In total, **26 projects** were identified and prioritized in the 2015 Vacherie Area Drainage Study

Major Projects Included:

- 4 new culverts under UP Railroad, 5 existing to be replaced
- Replace 2 crossings under LA 3127 with larger structures
 - Section 82 Ditch
 - Magnolia Ditch
- Major Canal Excavation/Clearing & Grubbing/Dredging
 - Section 82 Ditch
 - Bayou Lassene



Project Categories

- Priority I Projects
 - Projects which reduce flooding of major roadways (Particularly LA 20)
 - **3 Projects** totaling an estimated **\$300,000**.
- Priority II Projects
 - Projects which reduce flooding in residential and commercial areas
 - **13 Projects** totaling an estimated **\$1,025,000**.
- Priority III Projects
 - Projects which require Priority I & II completed to be successful or long-range projects requiring extensive permitting and/or funding.
 - **10 Projects** totaling an estimated **\$2,791,000**.



UP Railroad Crossings



Improvements



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Vacherie Area Major Project Status

- ✓ Bayou Lassene Dredging – Completed 10/2017
- ✓ LA 20 near Inness Lane – Completed by DOTD 2017
- ✓ Laura Ditch Improvements – Underway, 80% Complete
- ✓ Union Pacific RR Culverts @ Laura – Completed 8/2018
- ✓ Union Pacific RR Culverts @ Church St. – Eng. 50%
- ✓ Union Pacific RR Culverts @ Magnolia Hts. – Eng. 50%
- ✓ Union Pacific RR Culverts @ N. Bank Ln. – Eng 50%



S. Vacherie Flood Protection

Coteau Canal Backwater Pump Station & Berm

- +7' Elev. Berm from Forrestal St. to Spruce St.
- Hydraulic Modeling for FEMA grant began in 2010
- Permitting application submitted in 2015
- Pump Station Plans @ 60% Design
- Berm/Levee permit @ 85% complete
- Estimated Project Cost: **\$4,000,000**



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St. James Area Major Projects

Bayou Verret & Bayou Napoleon Dredging

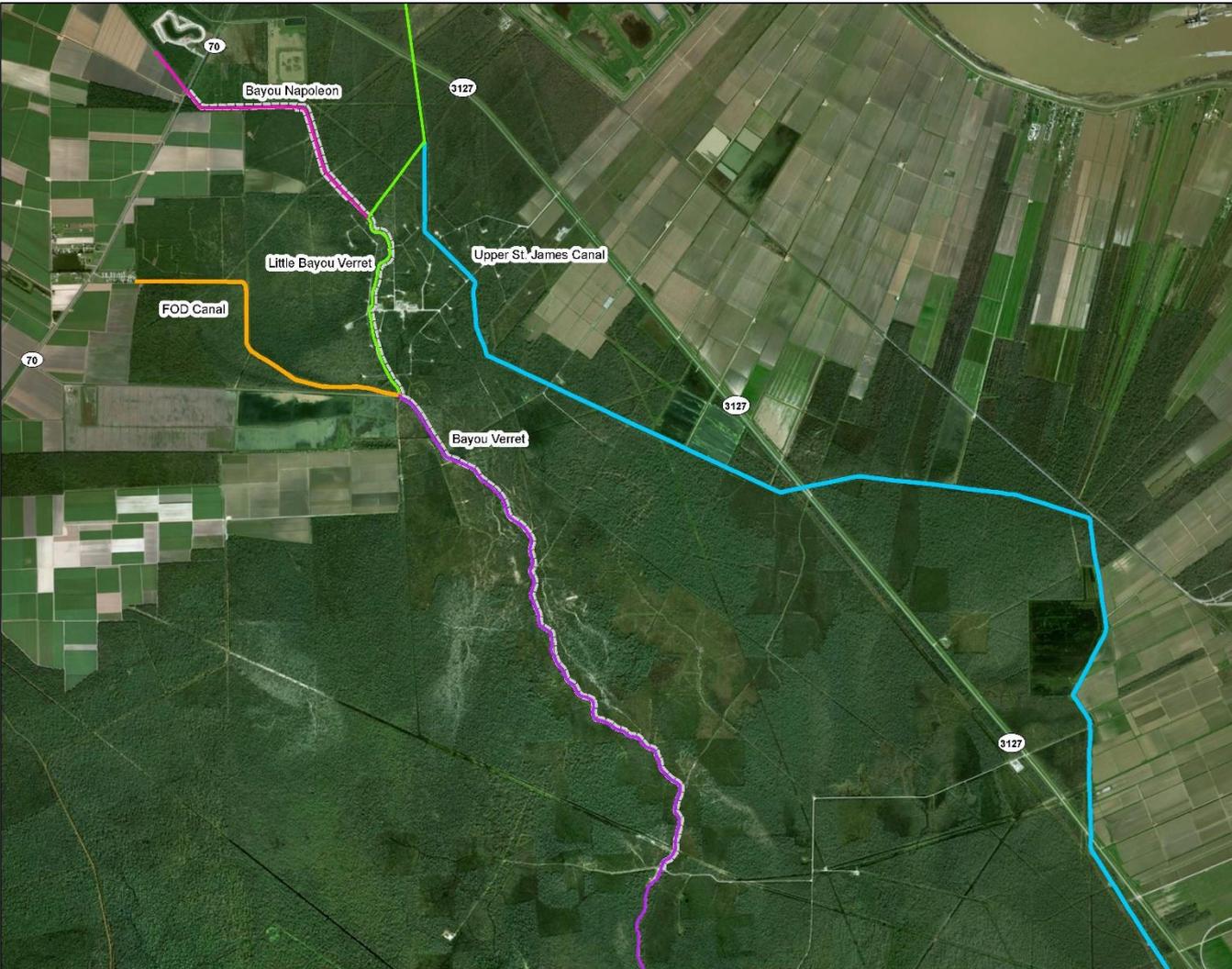
- 6.5 Miles of Dredging – 97,000 Cubic Yards
- Permitting began in August 2014, Completed in November 2018
- Construction scheduled to begin in May 2019
- Joint project with Ascension, Assumption and Lafourche Basin LD

St. James Canal Clearing & Dredging

- 17 Miles of Dredging – Approx. 400,000 Cubic Yards
- Estimated Project Cost: **\$5,000,000**



St. James Area Major Projects



**Maintenance Dredging
Bayou Verret & Bayou Napoleon**
Ascension Parish
Assumption Parish
St. James Parish

Legend

- Project Limits
- Bayou Napoleon
- Bayou Verret
- FOD Canal
- Little Bayou Verret
- St. James Canal



Assumption Parish



Police Jury



Date: 3/26/2018	Project No: 2014.0641	FIG. 1
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West Bank Project Summary

Project	Area/District	Project Status		Estimated Project Cost
		Design	Permits	
Priority 1-3 Small Drainage Projects (2015 MDP)	District 6	15%	0%	\$3,654,000
UPRR Railroad Additional Culverts (3) locations	District 6	50%	0%	\$900,000
S. Vacherie Berm Backwater Project	District 7 (Forrestal to Spruce)	40%	85%	\$750,000
Coteau Canal Backwater Pump Station	District 7 (North of LA 644)	60%	0%	\$3,250,000
St. James Canal Clearing, Dredging	District 5, Portions of 6	5%	0%	\$5,000,000
Total				\$13,554,000



Questions

***WE THANK YOU FOR THE OPPORTUNITY
TO CONTINUE TO SERVE ST. JAMES PARISH!***



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