



Chehalis River Basin

Montesano Wastewater Treatment Plant

Wynoochee River Protection Project

7:00 p.m.

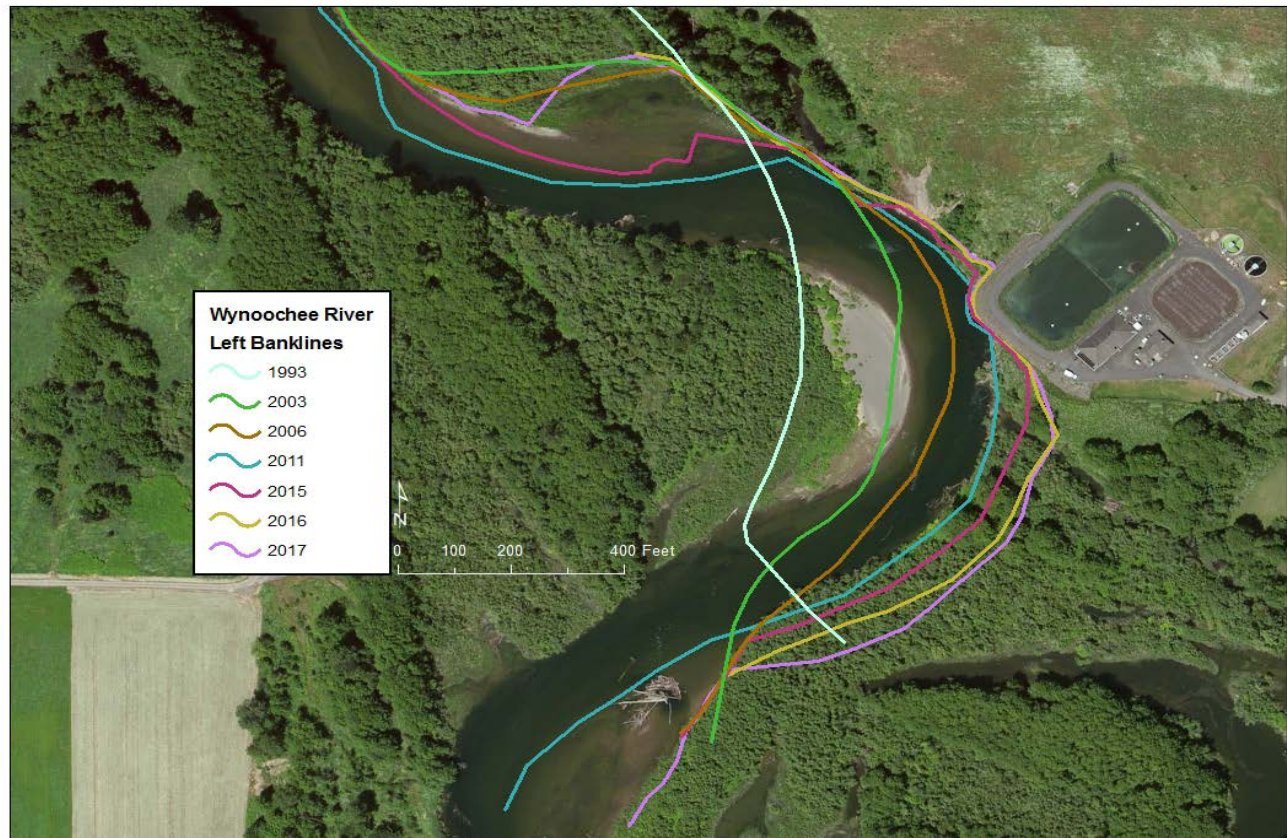
April 25, 2017

City of Montesano



Today's Presentation . . .

1. Provide update on project to protect City's WWTP from migrating Wynoochee River.
2. Answer your questions.
3. Get your input/perspective.





Wynoochee River (Current Situation) . . .

1. Wynoochee River is steadily migrating eastward toward City's WWTP and threatening WWTP's future viability.
2. Shoreline erosion is expected to continue with each flood event thus increasing risk of a breach to the WWTP.
3. Relocating WWTP is not a cost-effective near-term option.
4. Left unaddressed, an environmental, economic, and public health disaster is imminent.

Wynoochee River Migration (July 2006) . . .



Wynoochee River Migration (September 2009) . . .



Wynoochee River Migration (August 2011) . . .



Wynoochee River Migration (May 2013) . . .



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Wynoochee River Migration (August 2016) . . .



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Wynoochee River Migration (March 2017) . . .



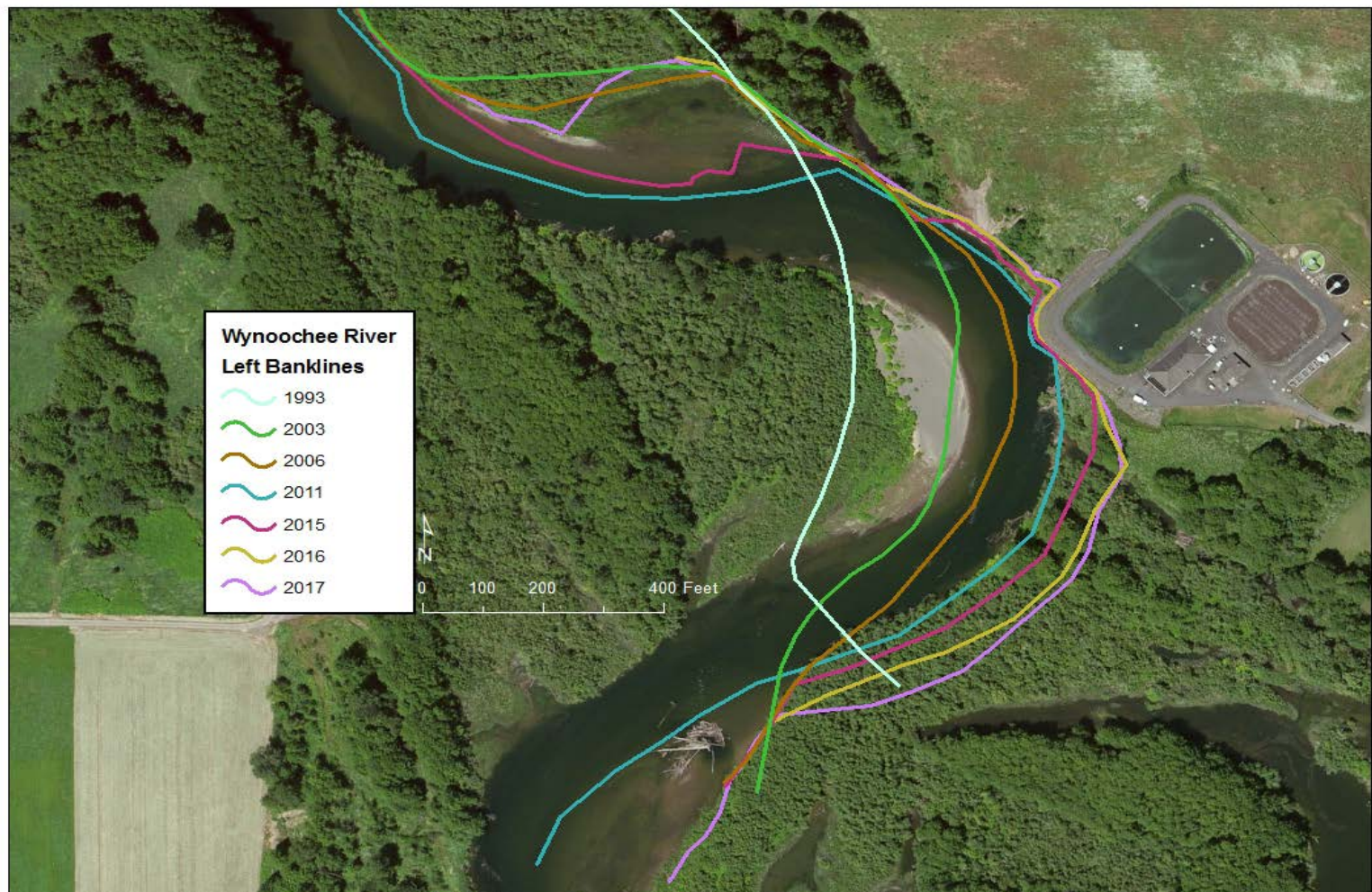
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Wynoochee River Migration (March 2017) . . .



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Wynoochee River Migration (Recap) . . .



April 2017

Proposed Solution . . .

1. Red line – Install 300' sheet pile protection wall (2017), followed by engineered log jams (2018/19) to provide aquatic habitat and deflect river away from WWTP.
2. Yellow lines – Reopen relic channel to provide additional flood storage, conveyance and additional river channel away from WWTP (2018/19).
3. Yellow dots – Place in-river piles to slow velocity, collect debris, and deflect river away from WWTP (2018/19).



Proposed Solution . . .



April 2017



Current Status . . .

1. 2016 – Evaluated river “bumpers.” Conclusion = not effective.
2. 3/24/2017 -- On-site meeting with Ecology, WDFW, GHC, Montesano. Conclusion = advance current proposal (sheet pile wall, ELJ, relic channel).
3. Sheet Pile Wall:
 - Follow-up meeting with USACOE (3/29/2017)
 - On-site surveying, field work (finishing now)
 - Conference call with WSDOT (4/25/2017)
 - Working to set on-site mtg with USACOE, Quinault, WSDOT
 - \$4-5M budget request before Leg 2017-19
 - Permitting application in Spring/Summer 2017
4. ELJ/Relic Channel (2018/19)

Vicinity Map . . .



April 2017

More Information . . .




1. March 25, 2017 drone flight -- <https://youtu.be/zP5-VYdKMf0>
2. Project website -- www.ezview.wa.gov/montesanofloodrelief
3. Contact(s):

Scott Boettcher, Staff
Chehalis River Basin Flood Authority
360/480-6600
scottb@sbgh-partners.com

Dan Wood, Councilman
City of Montesano
360/870-6018
dwood@montesano.us

Matt Kastberg, Project Manager
Parametrix
253/604-6735
mkastberg@parametrix.com

More Information (2014 Project) . . .



Another Chehalis Basin Flood Protection Project


Wastewater Treatment Plant Flood Prevention Dike



Schedule → February 2014 to April 2014

Budget → \$511,153

Benefit → Protecting essential public infrastructure for all Basin residents

www.ezview.wa.gov


An employee owned company
Parametrix



Construction Photos:

https://www.ezview.wa.gov/site/alias_1492/35040/Default.aspx#montesano

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