



Pioneer Park River Bank

The City spent most of 2011 dealing with the erosion of the river bank in Pioneer Park. The problem was so extensive that a restroom and a major water line that crossed the river, and served the entire west side of the City, were destroyed by the erosion caused by the flooding. The City hired River Design Group (RDG), Corvallis, Oregon, to evaluate options. RDG had extensive experience working specifically on the Calapooia River and had a thorough knowledge of the river's hydraulic dynamics.

Many Federal & State agencies were involved in the review of the erosion situation. The City requested assistance from the Governor's Regional Solutions team. The City also



received help from State Senator Lee Beyer, State Representative Phil Barnhart, U.S. Senator Jeff Merkley and U.S. Representative Peter DeFazio. The outcome was that the City could spend about \$600,000 (2019: \$678,000), option #1, to "shore up" the river bank using the new, approved techniques for bank stabilization. The problem with this option was improvements utilizing these new techniques were "washed away" during an above average flood event. The Calapooia Watershed

Council had completed two projects in the general proximity of the Park, both structures were destroyed due to slightly above average high water and flooding. The other option, option #2, was to spend over \$1.2 M (2019: \$1.356 M) to stabilize the bank to the Army Corps of Engineers standards which was the best option. The problem was cash flow.

Council decided that option #1 was too risky. The investment could be lost in any given year. Council decided that option #2 would require voters to approve a general obligation bond for such an improvement. Council did not feel that this was a financially realistic or reasonable option.

Council decided to implement a retreat strategy that would abandon the west road around the playground structure and would eventually relocate the playground structure, if necessary. Council continued this course of action at the March 28th, 2017 Council meeting.

Recent flooding has taken more river bank. Staff has included money to move the playground structure in this budget. The City may once again explore options for the modification of the river bank. Stringent regulations and costly projects are the main challenges faced by Council.

2022 | 2.5M+ Estimated Cost

Photos from Friday, April 19th, 2019





City Administrator Report

02.23.2021

The Calapooia River Erosion

An Odyssey



The Times

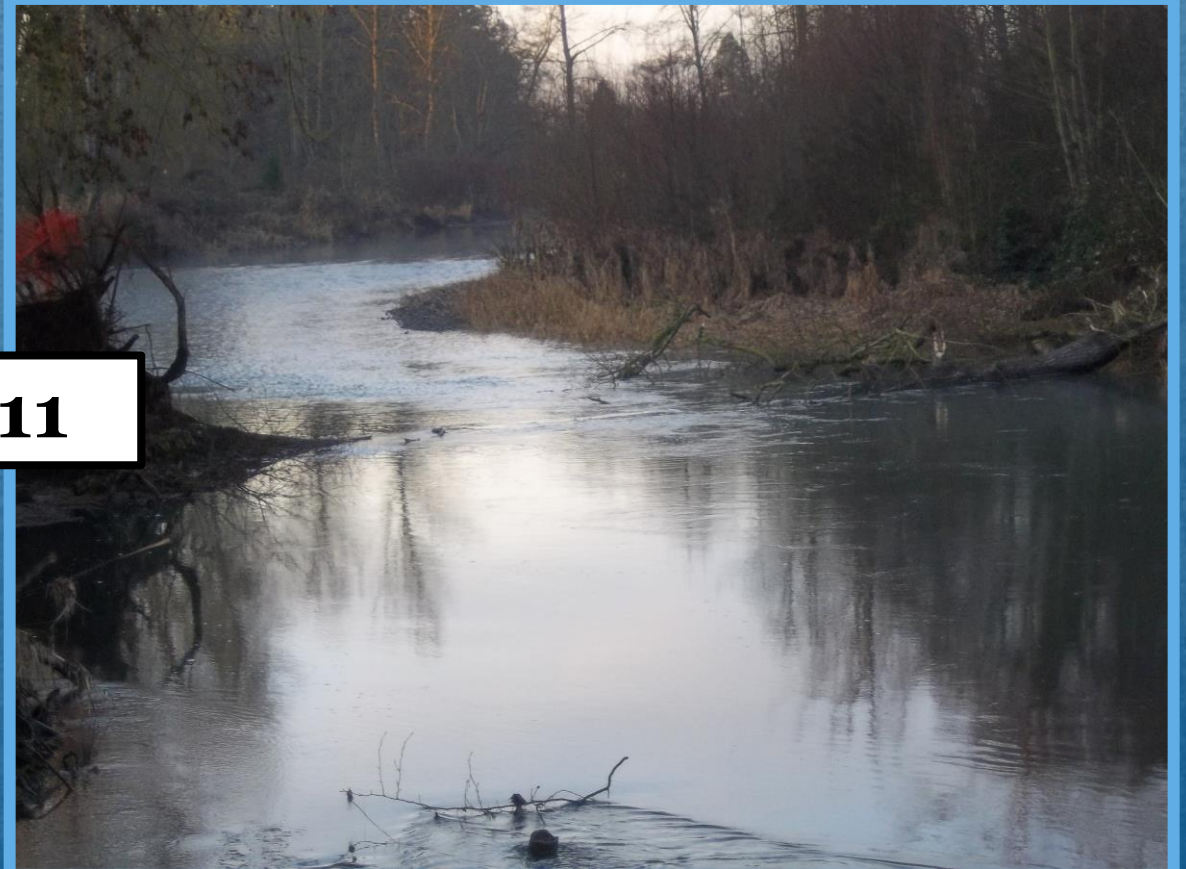
2021

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2011



The Calapooia River Erosion

An Odyssey



2011



The Calapooia River Erosion

An Odyssey



2011



The Calapooia River Erosion

An Odyssey



2011

The Calapooia River Erosion

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2011



2011 -
2014



Calapooia Watershed Council

Working Together for Watershed Health



Sarah Dyrdaahl



Tara Davis



Bessie Joyce

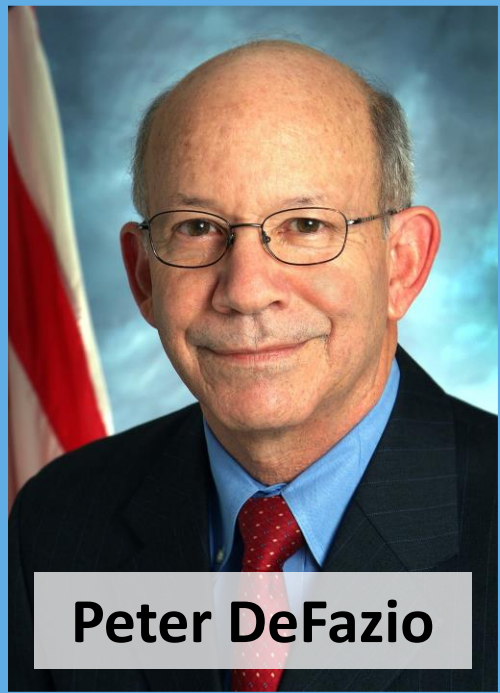
The Calapooia River Erosion

An Odyssey

2011
&
2012

The Calapooia River Erosion

An Odyssey



Peter DeFazio



Jeff Merkley



Ron Wyden



Juine Chada

Dan Whelan +

2011
&
2012

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**Mark
Ellsworth**



Bobby Lee



Governor Kitzhaber



Governor Brown



**Teena Monical, Kirk Jarvie, Mary Camarata,
Joe Larsen, Chuck Knoll, FEMA Reps. and others.**

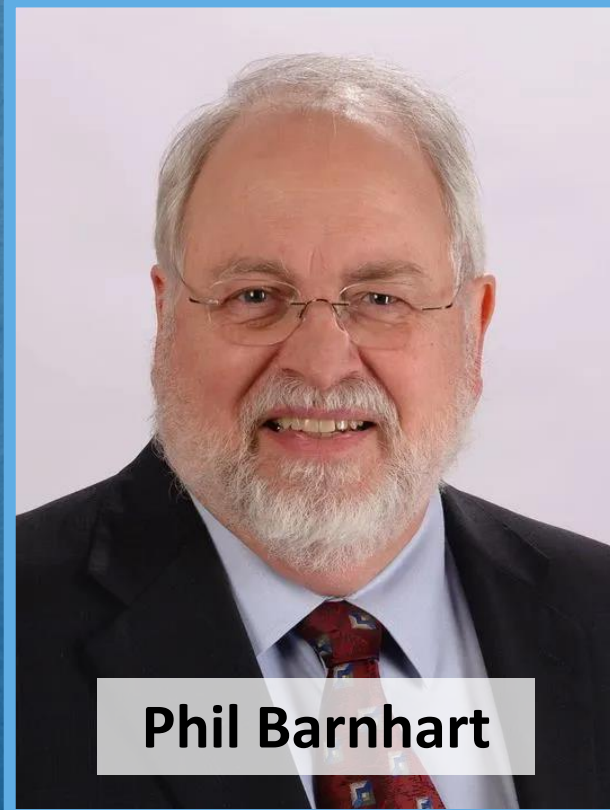
2011
&
2012

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Lee Beyer



Phil Barnhart



Marty Wilde

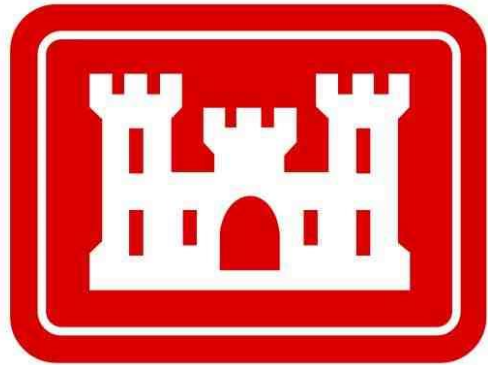
2011 -
2022



NOAA
FISHERIES



State of Oregon
Department of
Environmental
Quality



**Five (5)
State & Federal
Agencies**

**US Army Corps
of Engineers®**



2011 -
2022

The Calapooia River Erosion

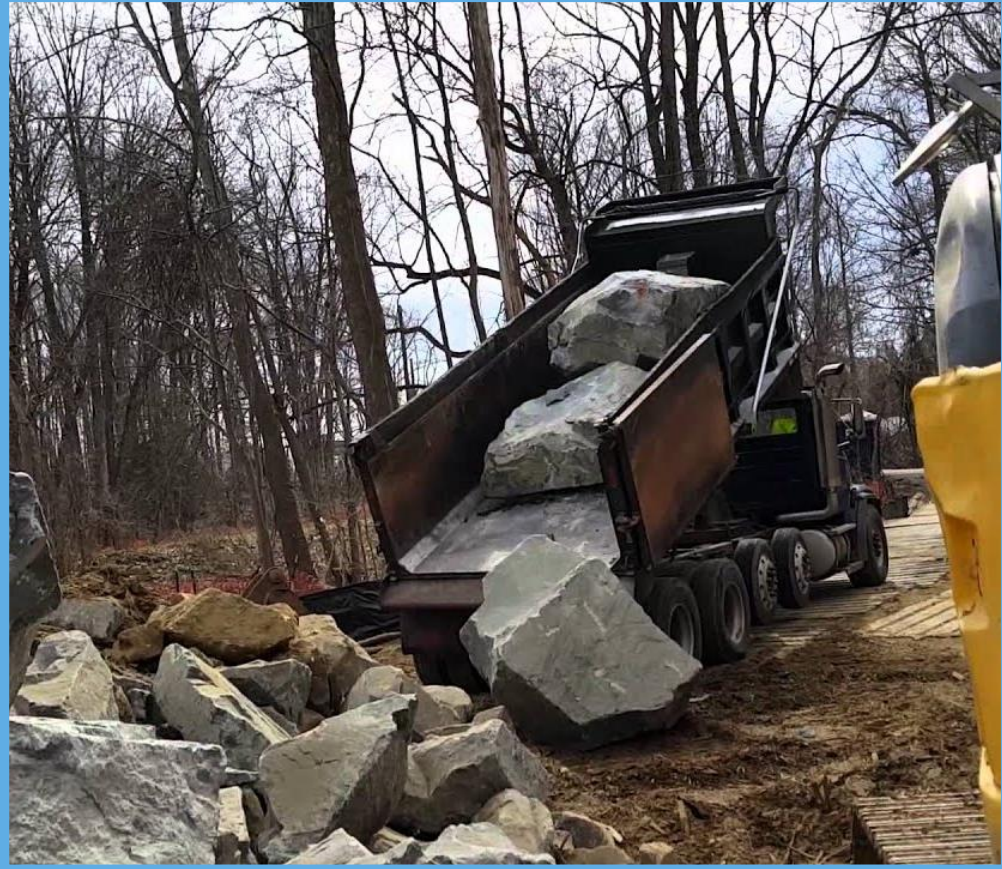
An Odyssey



2011 -
2022

The Calapooia River Erosion

An Odyssey



Illegal Construction Options

2011 -
2022

The Calapooia River Erosion

An Odyssey



2011 -
2021

The Calapooia River Erosion

An Odyssey



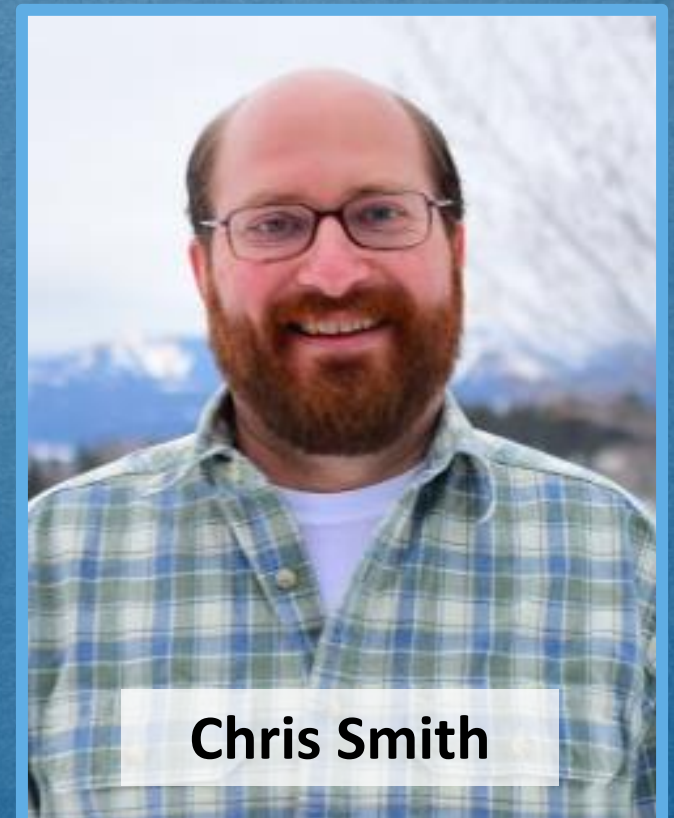
311 SW Jefferson Avenue
Corvallis, Oregon 97333

River Design Group (RDG) is a team of highly skilled professionals that combine science-based knowledge with proven restoration techniques to advance the field of ecosystem and river restoration. Our staff have over 300 years of combined restoration experience with more than 400 restoration design projects, 1,200 river miles assessed or restored, 50 culverts designed for fish passage, and 25 dams removed.

From initial site survey through final construction oversight, RDG applies innovative techniques for assessing, designing, and completing stream, river, and wetland projects. RDG offers a suite of services spanning from individual project components such as site survey, to a complete turnkey service covering all project stages from initial site assessment through construction oversight.

The Calapooia River Erosion

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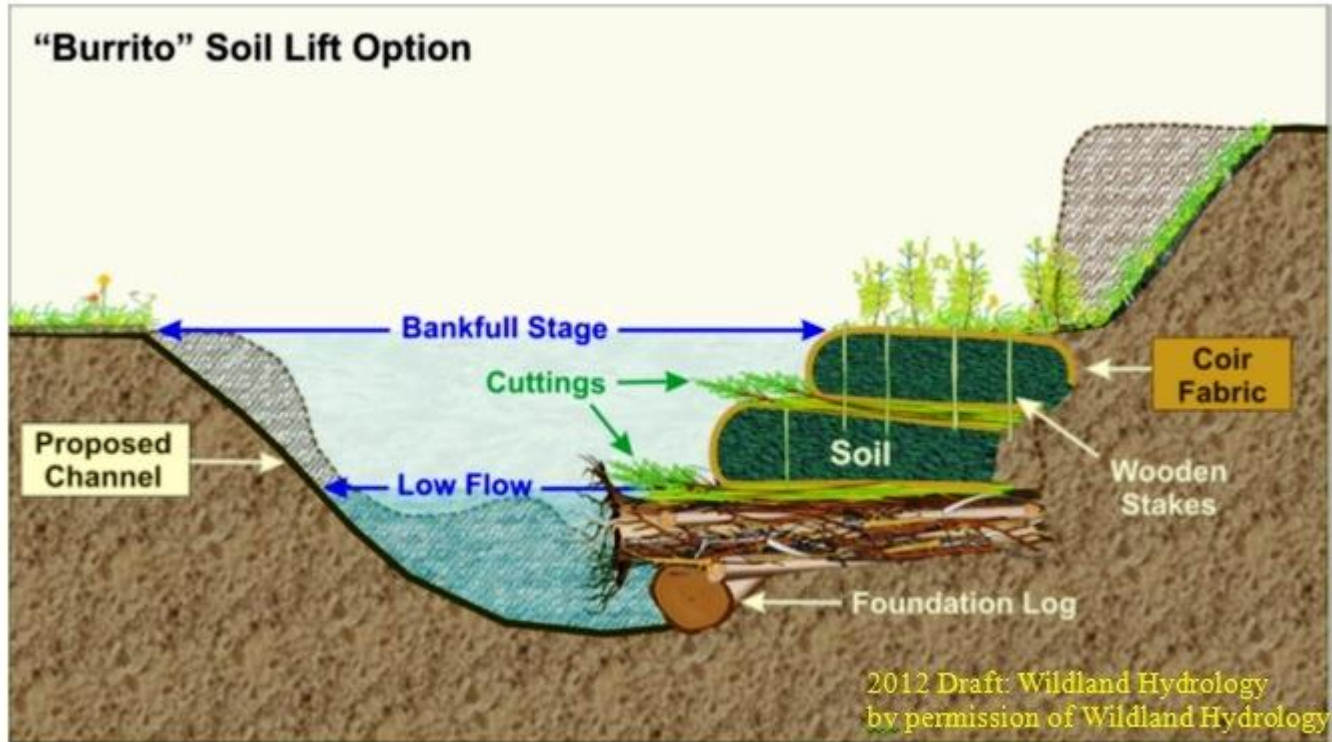


Figure 15: Toe wood "Burrito" Soil Lift Options

Construction Options



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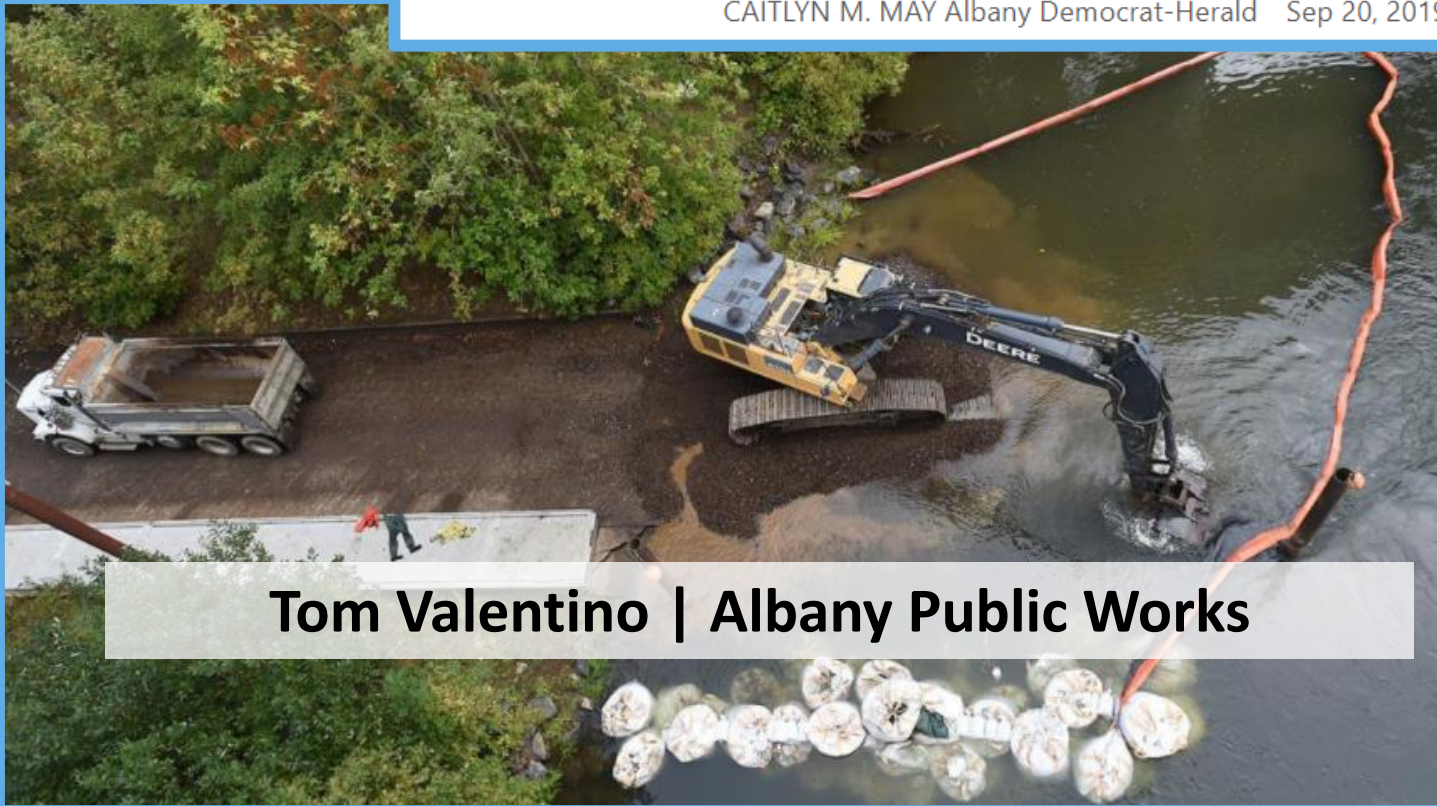
Construction Options

2019

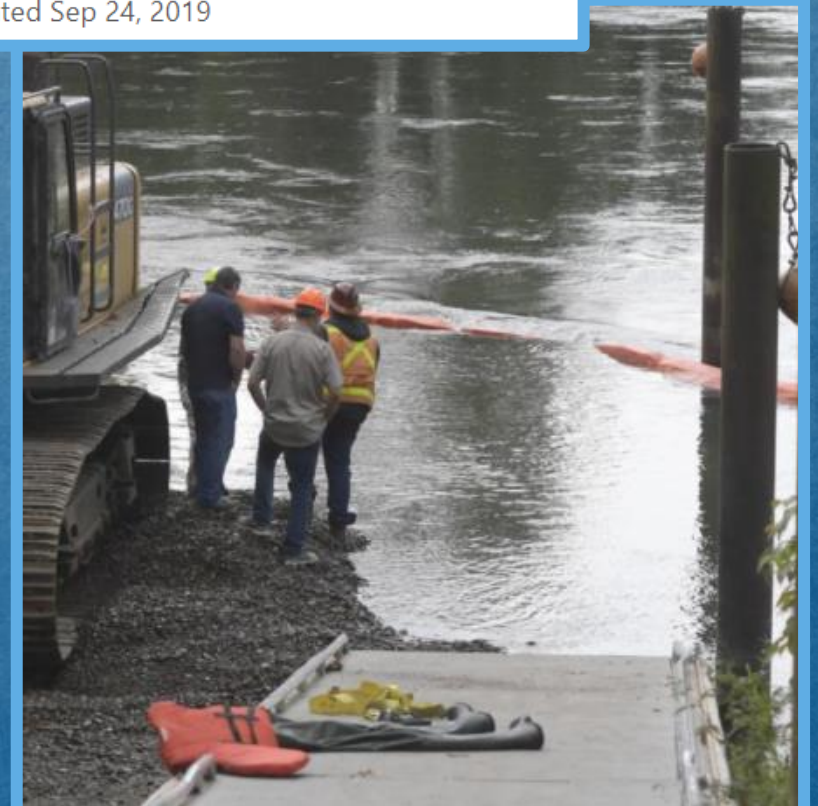
TOP STORY

Gravel bar removed from Takena

CAITLYN M. MAY Albany Democrat-Herald Sep 20, 2019 Updated Sep 24, 2019



Tom Valentino | Albany Public Works



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**Linn Soil & Water
Conservation District**

**Debra Paul & Kevin Seifert
Board Member | Liz VanLeeuwen**

The Calapooia River Erosion

An Odyssey



***To Present* | Council has continued to support retreating from the river due to the costs associated with the project. 2022 | 2.5M+ Cost**