Oyster Shell Retrofits in Catch Basins:

Pilot Study for Non-proprietary Dissolved Metals Treatment

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Stormwater Workgroup Meeting – June 3, 2020

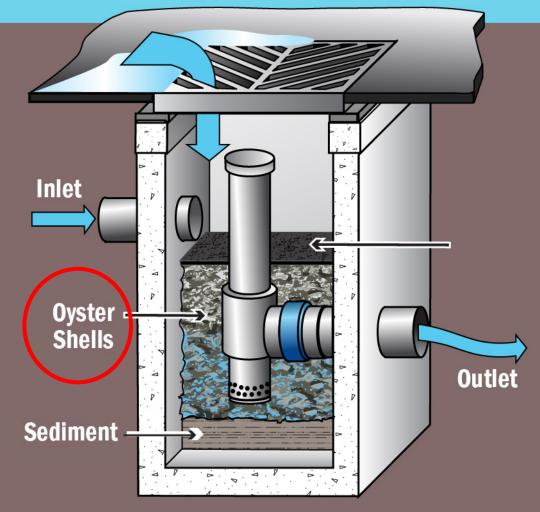








Oyster Shell Retrofit

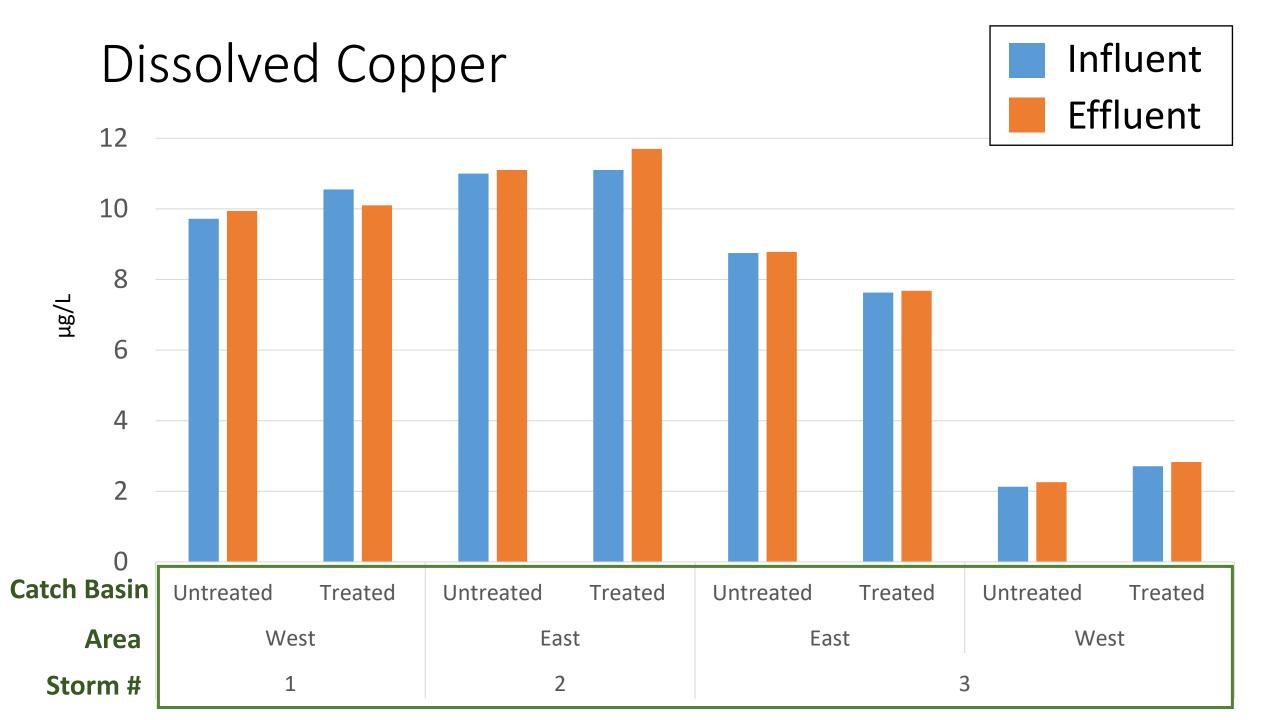


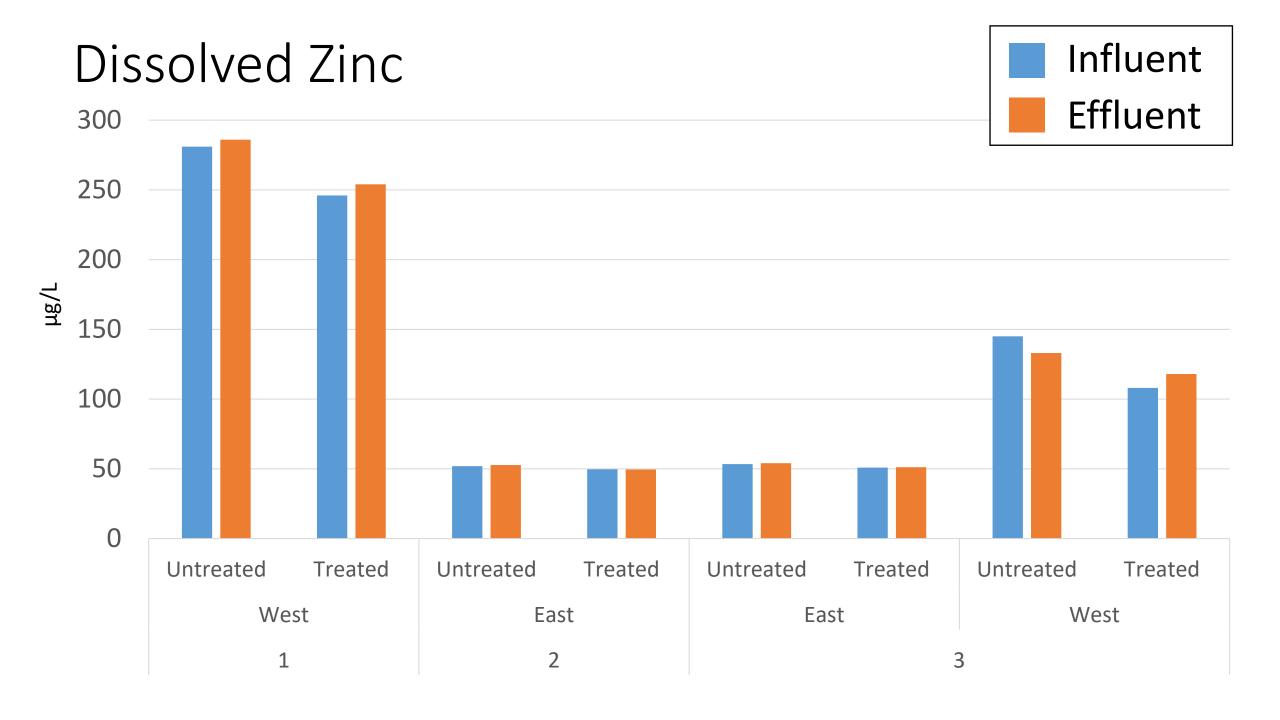


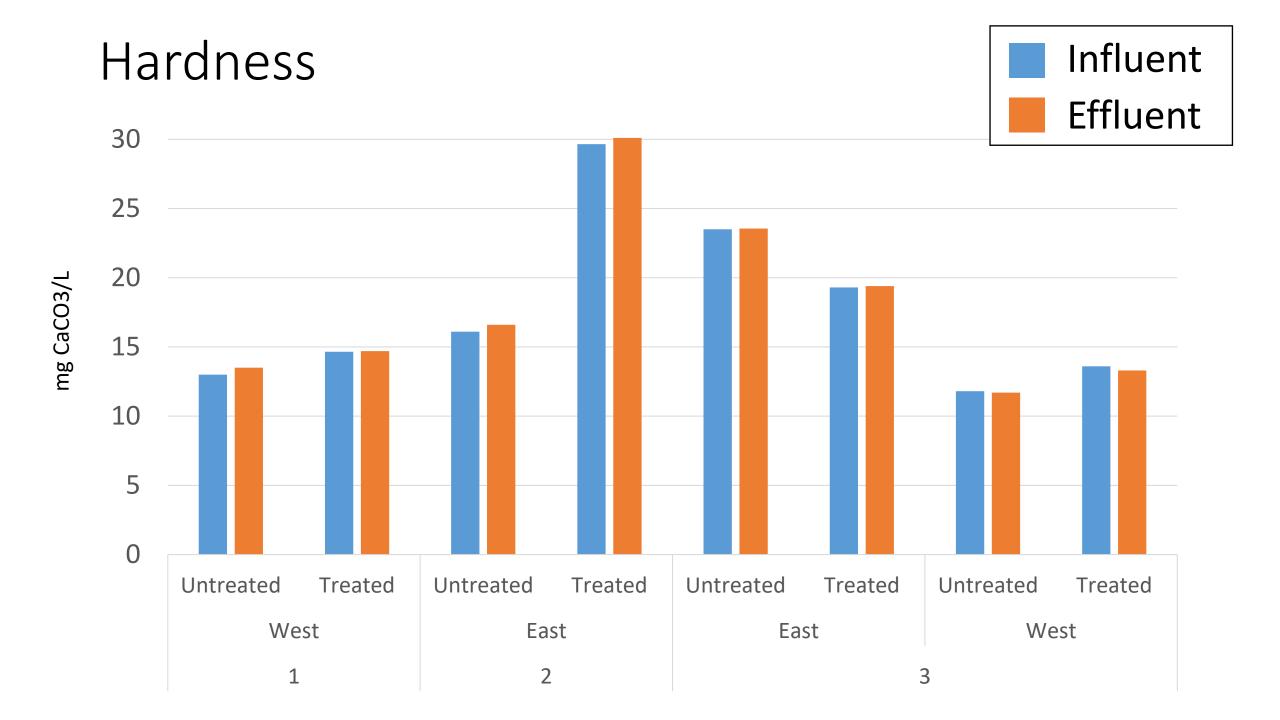
Project Overview

- 4 catch basins monitored
 - 2 pairs of treated & untreated
- Preliminary data from 4 storms
 - July 9, 2019
 - October 16, 2019
 - November 18, 2019
 - December 18, 2019 (not shown today)



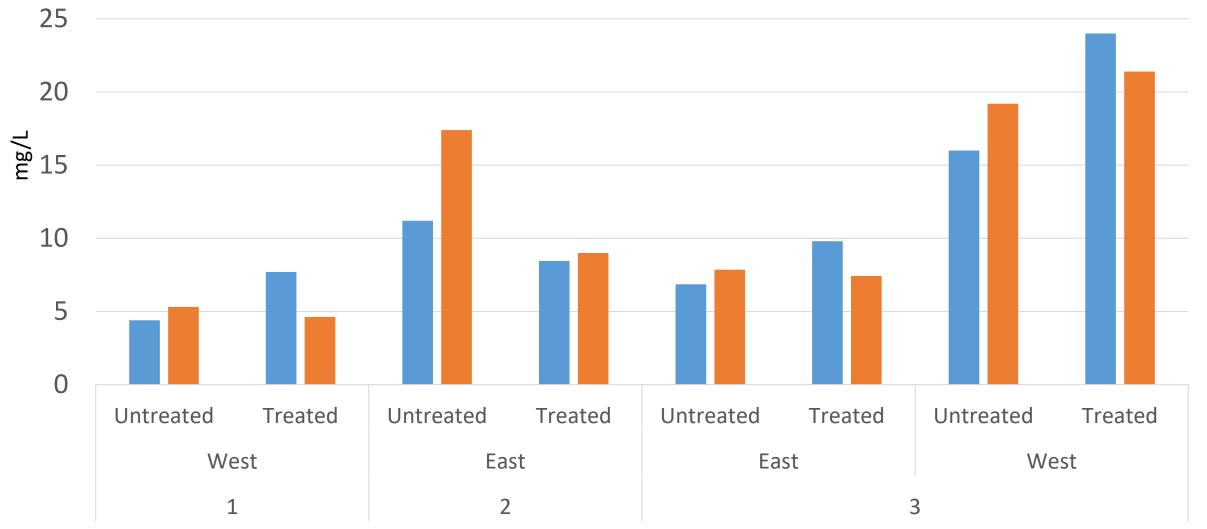






Total Suspended Solids







Why didn't it work?

Contact time likely too short





Final installation





Continuing applications

- Small stormwater basins
- Cisterns
- Polishing layer





Thank you to:

- Keunyea Song (Ecology representative)
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- Jane Dewell and Scott Silcox (Port of Seattle)
- Houston Flores (Field Lead, KCEL)
- Katherine Bourbonais (Lab PM, KCEL)
- Herrera Environmental Consultants (Design)
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- Dean Wilson (King County technical support)

