CITY OF GRESHAM

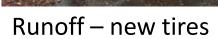


Heavy Metals in Tire Runoff Study



Katie Holzer
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Lower Willamette River Toxics Reduction Meeting
31 January, 2018

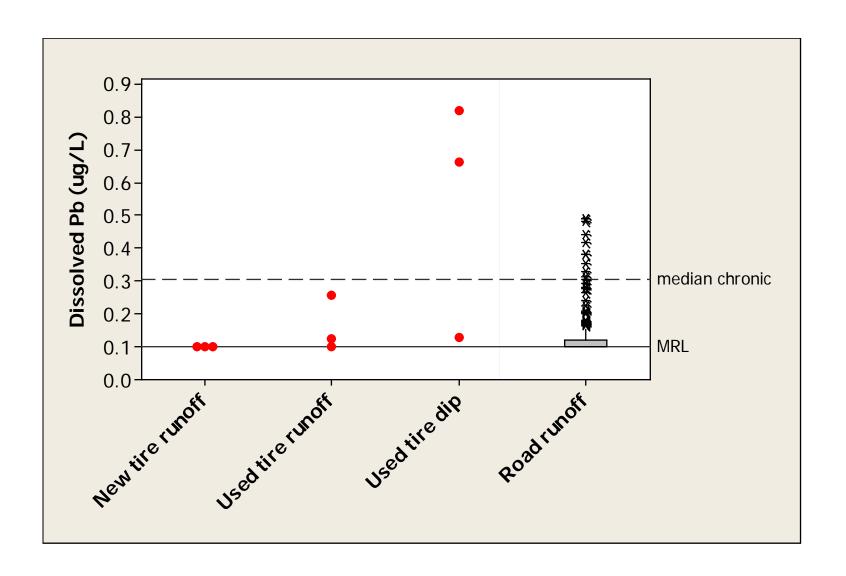
Types of Tires Sampled

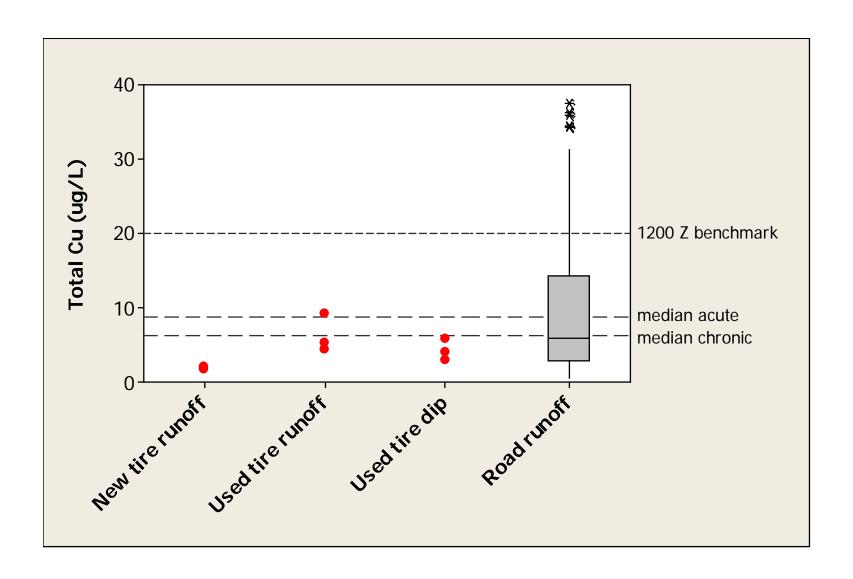


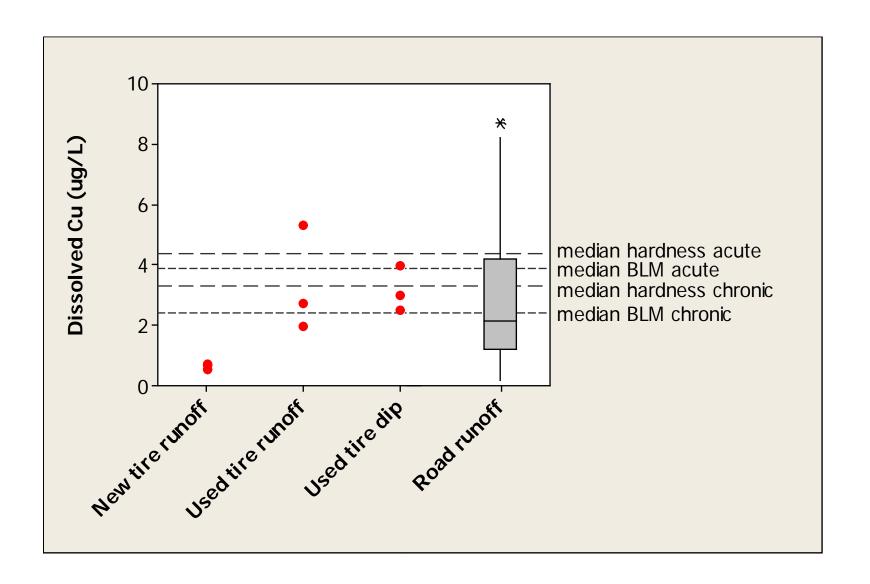
Runoff – used tires

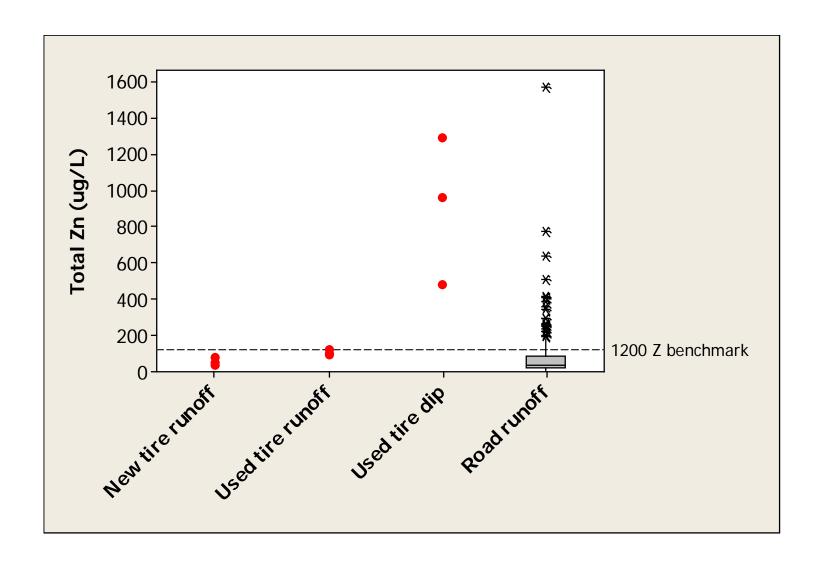
Stagnant tires

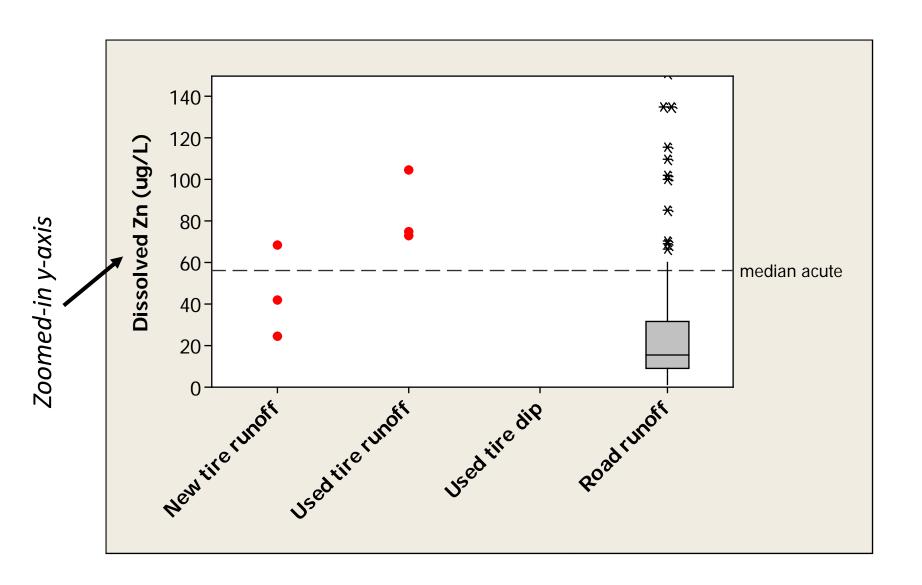
- 3 samples from each
- Compared to City's runoff data (250 samples)

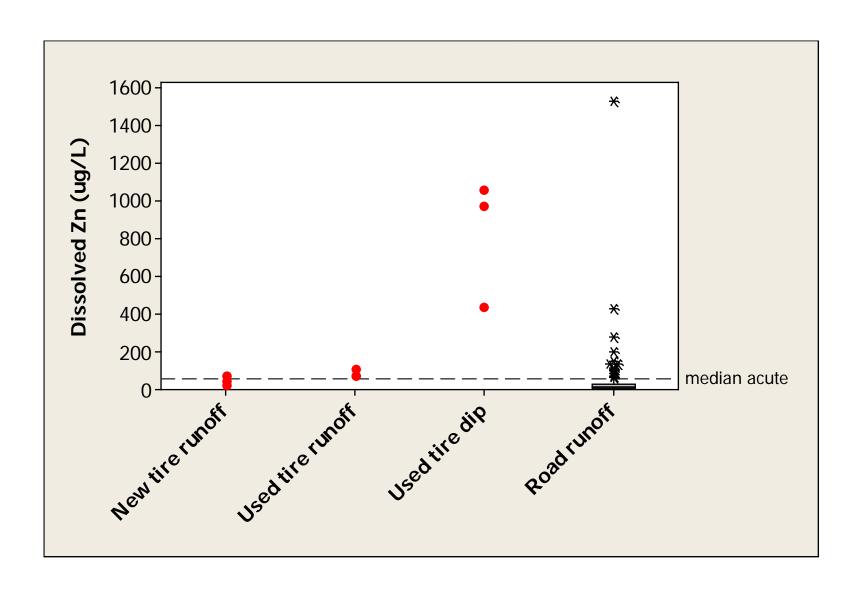












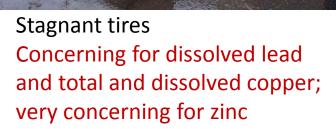


Runoff – new tires Not found to be a large concern, except possibly zinc



copper, and possibly zinc

Heavy Metals in Tire Runoff



Jenifer McIntyre's study

Washington State University Puyallup Research and Extension Center



- Put juvenile coho salmon in a tank with a chunk of tire
- 90% of them died in 96 hours
- Some swam in circles on the surface

What to do?

 Currently DEQ allows 100 used tires stored uncovered outside without a waste tire storage permit

- Gresham's approach:
 - New stormwater manual will require (temporary) covering
 - Issue: fire code
 - Attempting to organize a centralized tire hauling program
 - Issue: low market for used tires
 - Considering providing racks to limit exposure of wheel well to rain
 - Issue: still get pollutants from exterior surface

