

## Hopkins, Todd R. - DPU

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**From:** Amelia Wehunt [amelia.wehunt@timmons.com]  
**Sent:** Tuesday, February 23, 2016 3:41 PM  
**To:** LeRose, Grace A. - DPU  
**Cc:** Hopkins, Todd R. - DPU  
**Subject:** RE: volume III of the missive

Grace,

Here is my note from where we calculated it based on parcels:

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This project is projected to remove 150 lb of Phosphorus (per interim rates). There are approximately 230 acres of residential rooftops in the Reedy Creek watershed across approximately 3,200 parcels (per TG GIS analysis). 55% of that area (1760 parcels, all things being equal) would need to be retrofitted with rain gardens (1760 rain gardens) to achieve the same pollutant removal.

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I assumed 1 rain garden per parcel, that captured and treated the entire parcel....this was a very generalized analysis since you have to make so many assumptions. Would you feel comfortable saying that it would take thousands of rain gardens to provide the same pollution reductions achieved by the stream restoration?

### Amelia Wehunt, PE

*Project Manager*

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**From:** LeRose, Grace A. - DPU [mailto:Grace.LeRose@richmondgov.com]  
**Sent:** Tuesday, February 23, 2016 1:11 PM  
**To:** Amelia Wehunt <amelia.wehunt@timmons.com>  
**Subject:** volume III of the missive

<http://reedycreekcoalition.org/>

Can you do a quick calc of how many rain gardens it would take to equal the pounds removed from the stream resto? I know we did half of the properties, but did we do actual rain gardens?

Grace A. LeRose  
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