

# Floodplain Amendment Pilot – Amendment Application and Monitoring Update

Former DuPont Waynesboro Site, Virginia

Area of Concern (AOC) 4



September 26, 2017



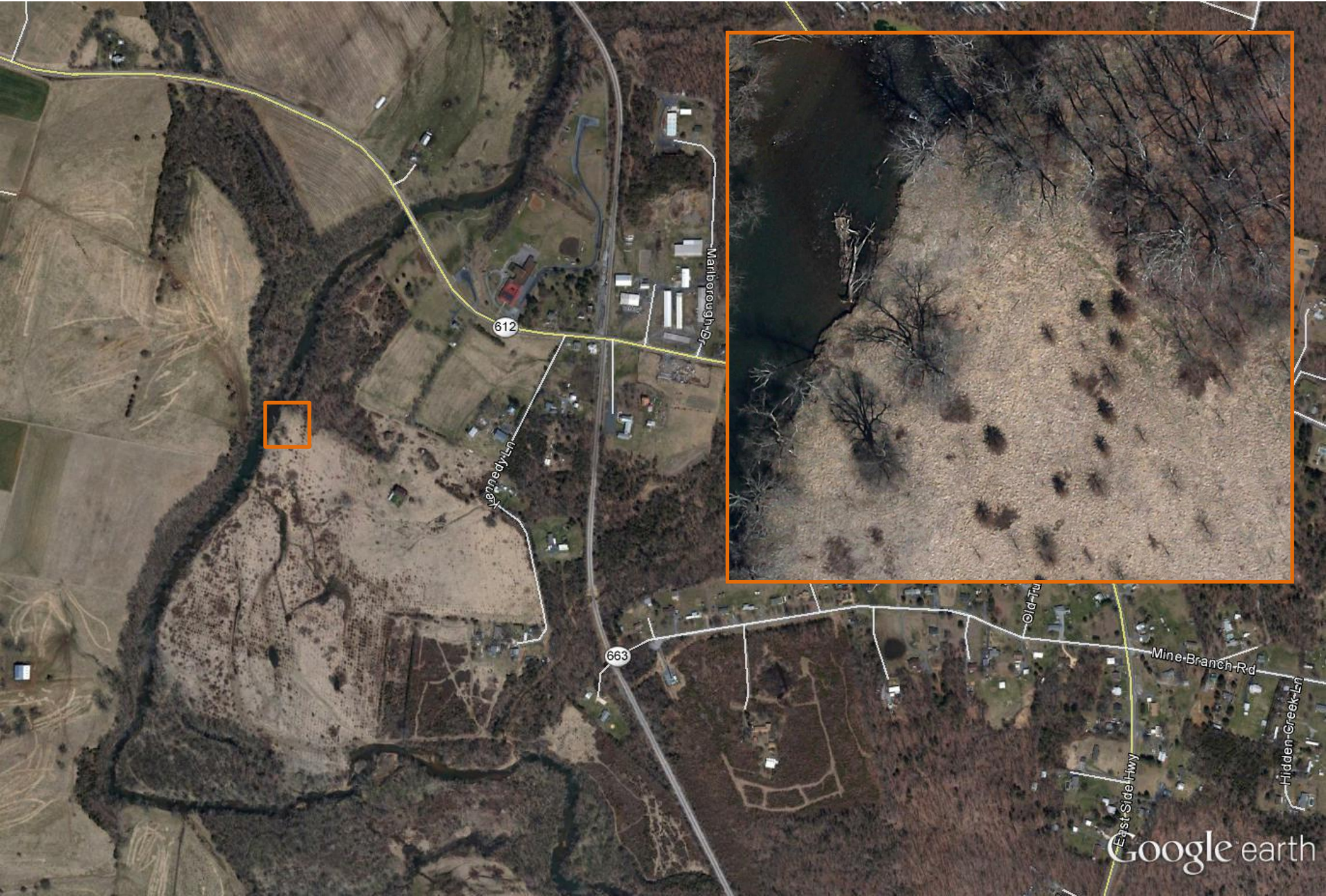
# Agenda

- Study Location
- Vegetative Maintenance
- Establishing Test Plots
- Baseline Sampling
- Amendment Application
- Vegetative Condition
- Schedule





# Study Location- Wertman Property (~RRM 9)





# Vegetative Maintenance- May 2017





# Establishing Test Plots- May 2017





# Establishing Test Plots- May 2017



**10%  
Medium**

**10%  
Chip**

**5%  
Chip**

**5%  
Medium**

**Control**



# Baseline Sampling- May 2017



# Baseline Sampling- May 2017

Baseline conditions were similar among treatment plots:

- THg and MeHg concentrations in soil and worms
- Hg sequential extraction results
- Nutrient and pesticide/herbicide concentrations in soil





# Amendment Application- May 2017

**5%**



**10%**



**Chip**



**Medium**





# Amendment Application- May 2017





# Amendment Application- May 2017





# Amendment Application- May 2017





# Amendment Application- May 2017

**Chip**



**Medium**





# Amendment Application- May 2017



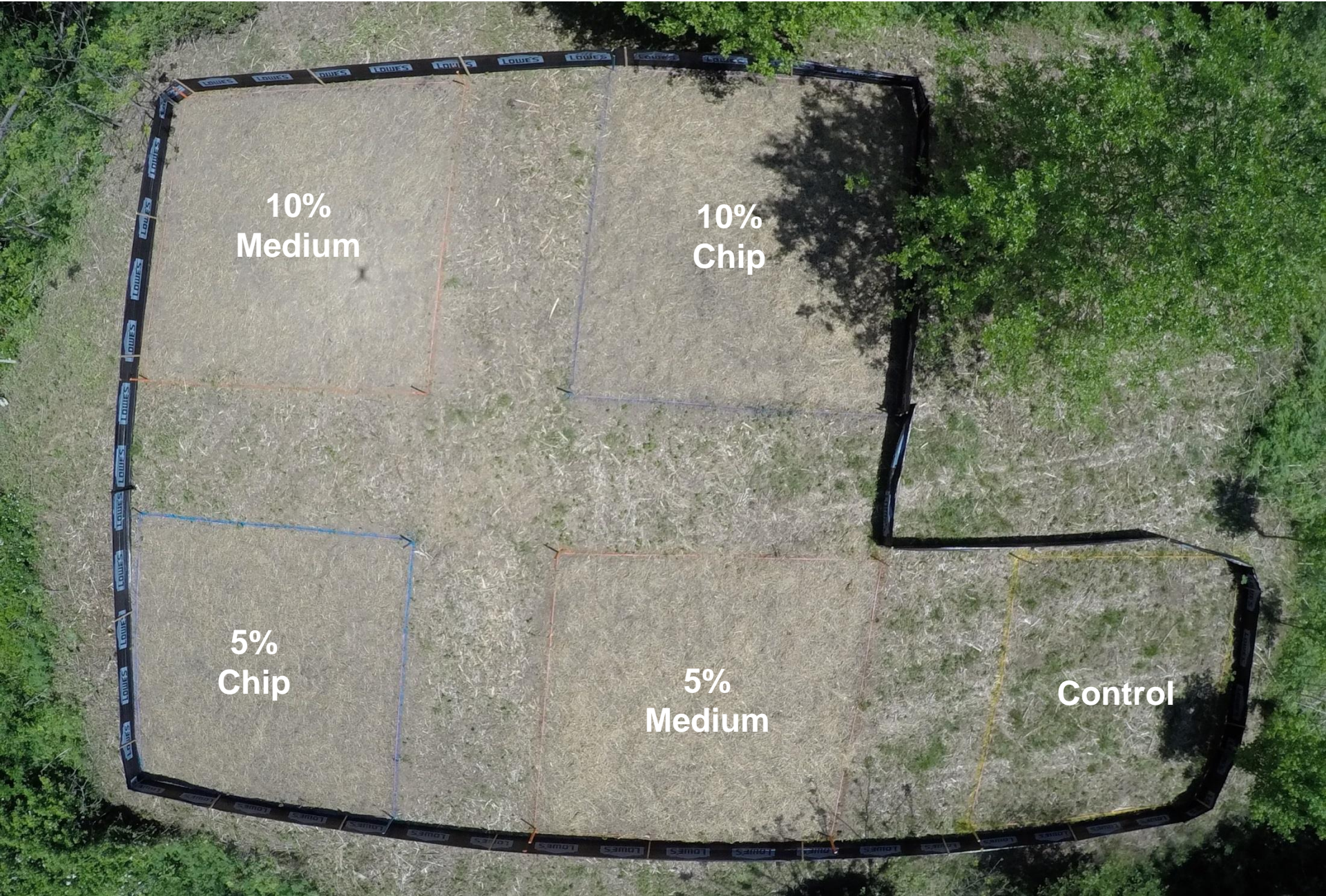


# Amendment Application- May 2017





# Post-Amendment Vegetative Condition – May 2017



10%  
Medium

10%  
Chip

5%  
Chip

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Control



# Post-Amendment Vegetative Condition – July 2017

10%  
Medium

10%  
Chip

5%  
Chip

5%  
Medium

Control





# Schedule

<b>Activity</b>	<b>Date</b>
Baseline Monitoring	May 2017
Biochar Application	
Aerial Photographs	
Aerial Photographs	July 2017
Aerial Photographs	October 2017
1 <sup>st</sup> Post-Amendment Monitoring	
Aerial Photographs	December 2017
2 <sup>nd</sup> Post-Amendment Monitoring	May 2018