



Adventures in Biosolids

Using Incidents to Inform Continuous Improvement



What are incidents?

They are...

- ▶ Opportunities to find improvements in your:
 - ▶ Biosolids Program
 - ▶ Safety Culture
 - ▶ Communication Plan
 - ▶ Use of Technology
 - ▶ Training Program
- ▶ Team Health Barometers

They aren't...

- ▶ Opportunities to assign blame
- ▶ Gossip fodder
 - ▶ Doesn't help anyone, and actually hurts all of us
- ▶ Binary
 - ▶ Incidents are complex

A dark grey arrow points to the right from the left edge of the slide. Below it, several thin, curved lines in shades of blue and grey sweep across the left side of the slide.

Background

- ▶ Field originally mapped in 2010 prior to application event that same year
- ▶ Field remapped in 2011 as part of broad mapping improvement effort
- ▶ 2016 was the first application since the field had been remapped

Accident site



Map of site



First Impressions

- ▶ Slope
 - ▶ Seems much steeper than 8%
 - ▶ Why are we on this site?
- ▶ Risk/Benefit ratio
 - ▶ Flat area of this particular field is small and has a buffered pond at the end
 - ▶ Why are we on this site?
- ▶ This could have been much worse



Zoom view of accident site

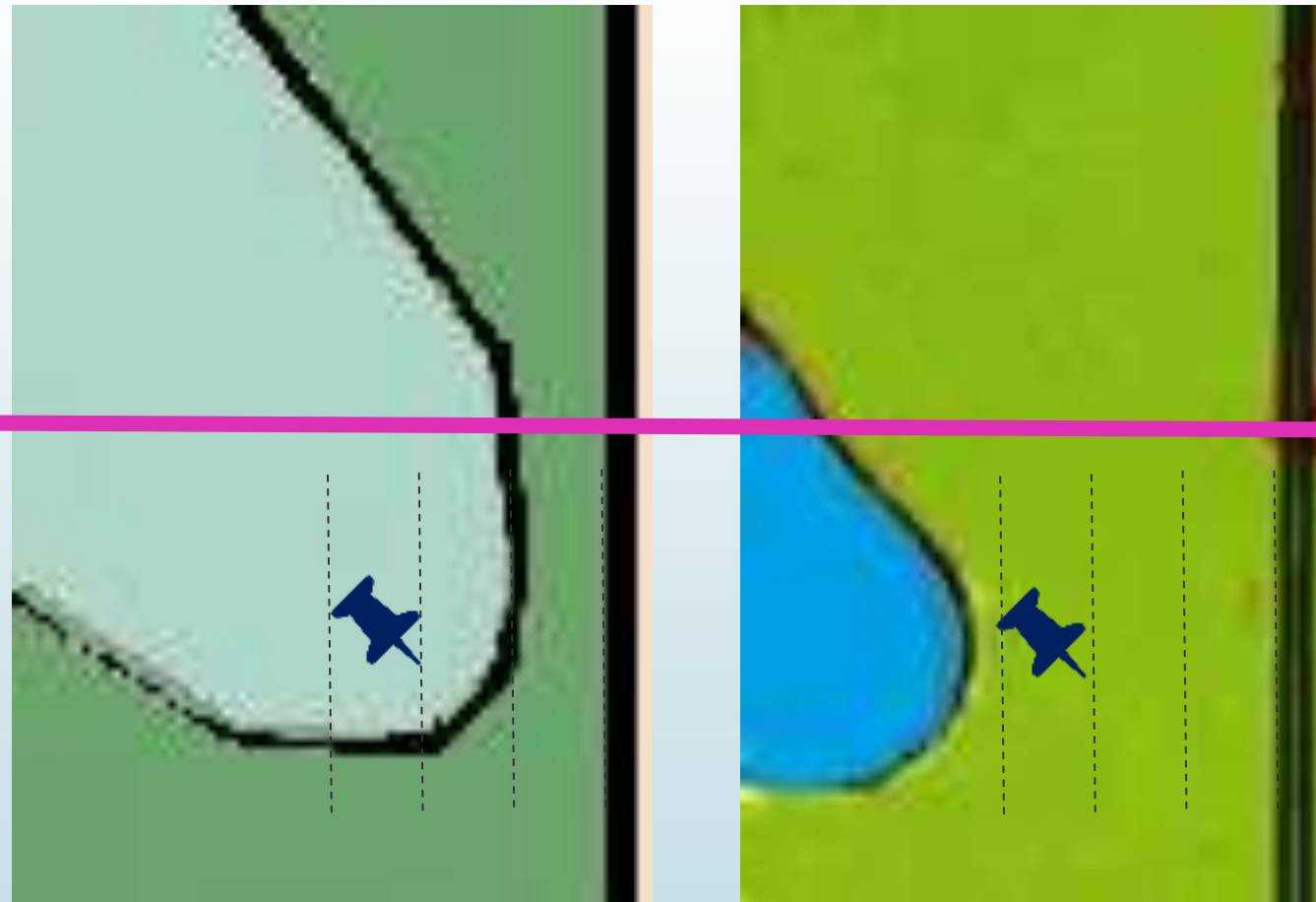
2010 mapping



2011 mapping



Zoom view of accident site



Considerations

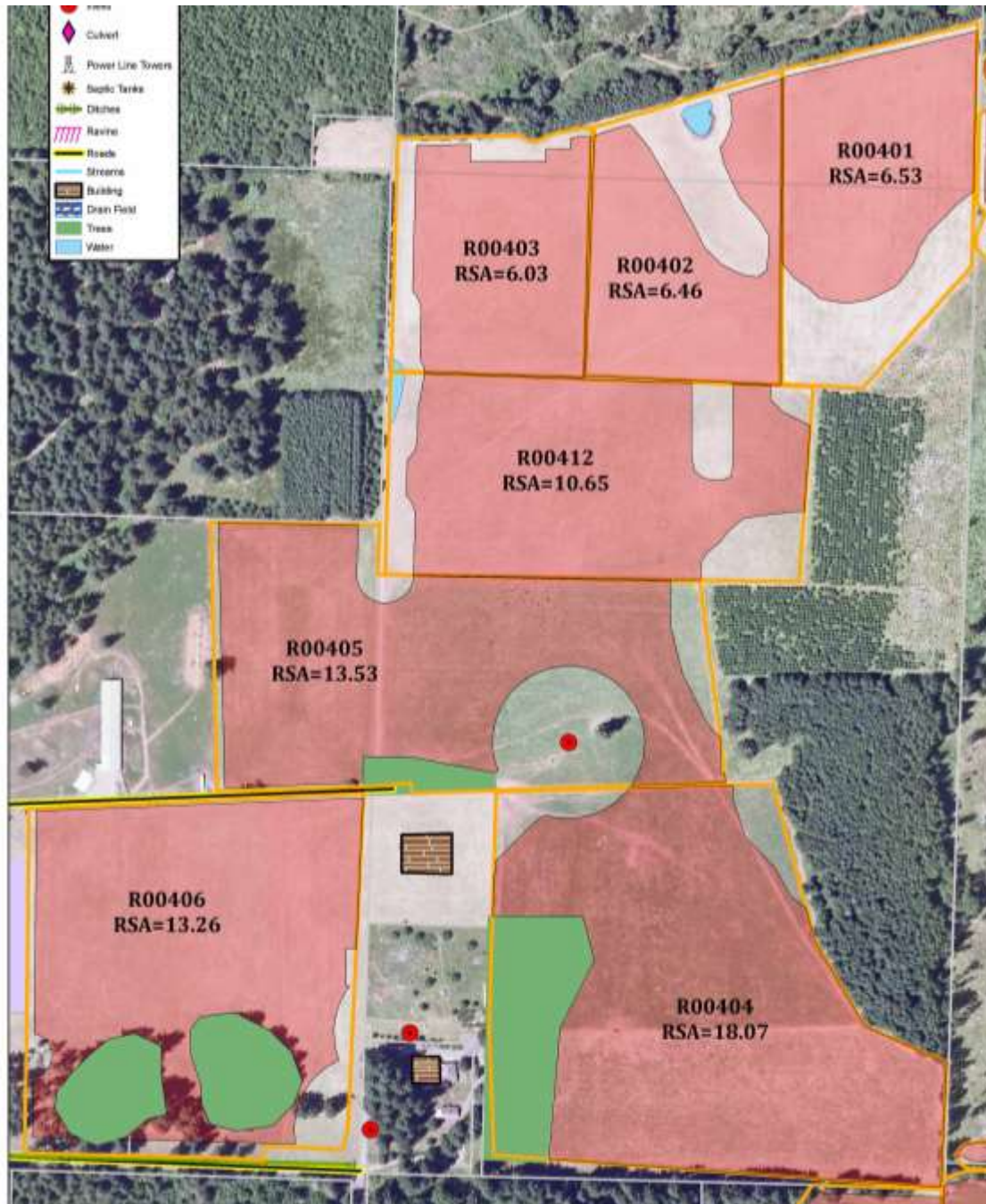
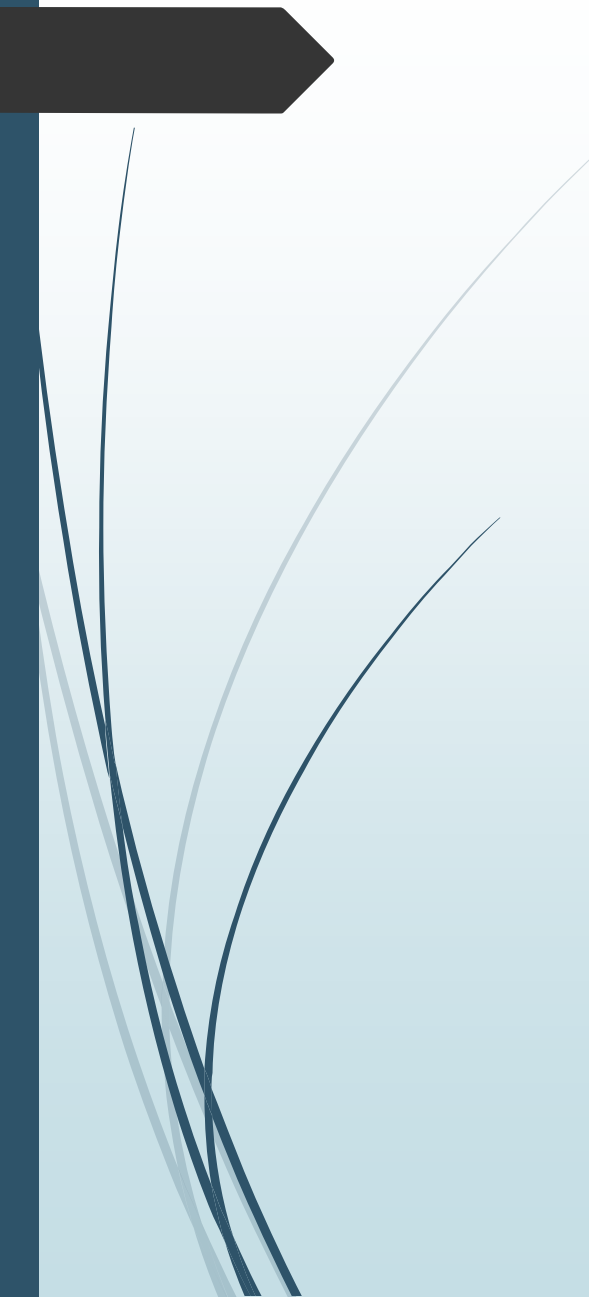
- ▶ What assumptions do we make as we adopt technology?
 - ▶ Assumption #1: Nothing changes
 - ▶ Assumption #2: The technology is correct
 - ▶ Assumption #3: We all agree

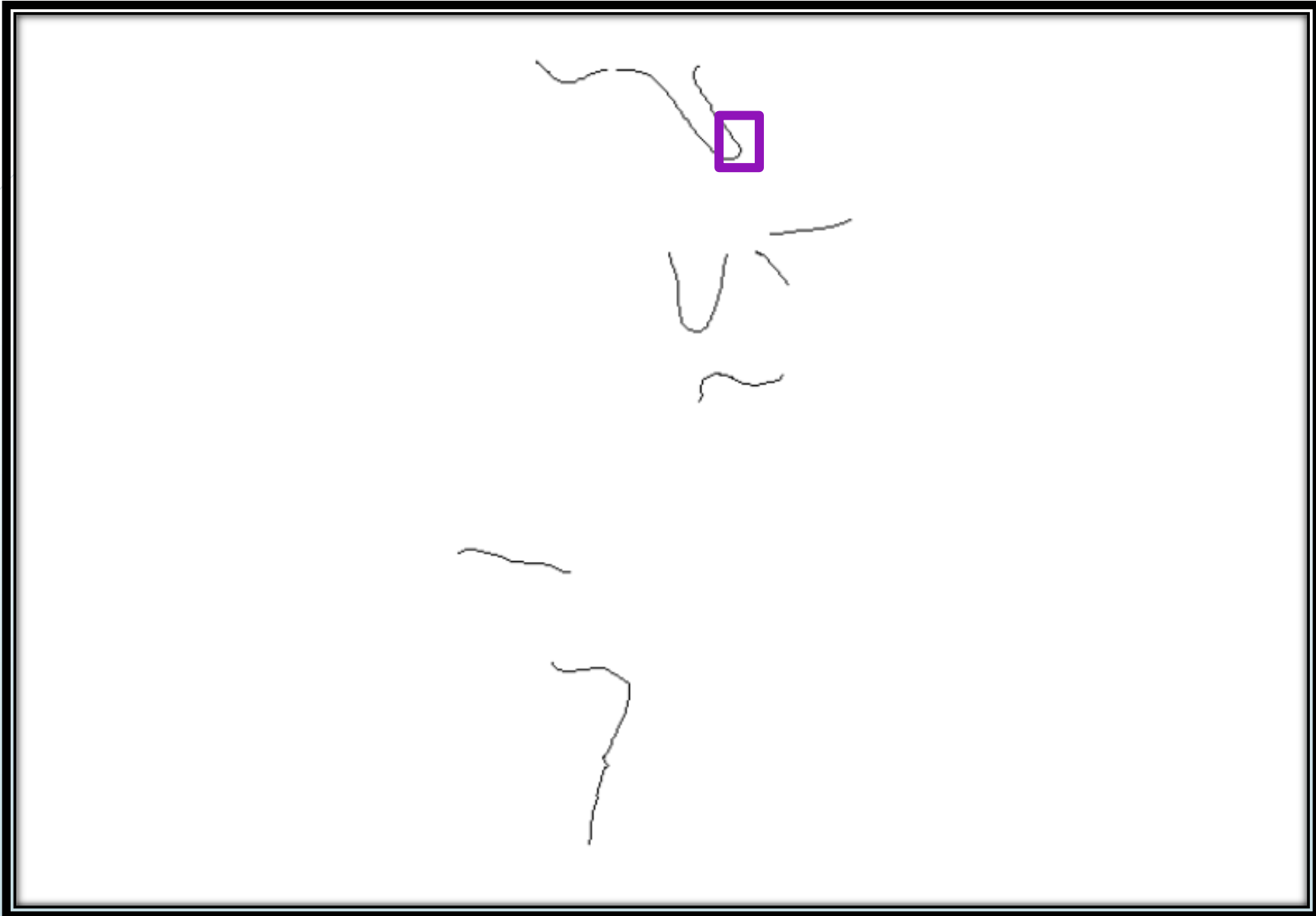


Considerations

- ▶ Do we quality check our technology and our use of it?
 - ▶ How could this be done?
- ▶ Does the whole team interact with the technology the same way?
 - ▶ Standard practices
- ▶ Is the technology telling us what we think it is?







Considerations

- ▶ Safety Response
 - ▶ Current call list (and an update schedule)
 - ▶ Incident checklist
 - ▶ Calls
 - ▶ Pictures
 - ▶ Witness names
- ▶ Reporting requirements
 - ▶ Incident in field vs incident on road
 - ▶ Organization policy
- ▶ Media





King County

January 19, 2015



Goochland County, VA

September 28, 2015



Prince Edward County, VA

August 7, 2014