

Air Monitoring Program BoRit Site

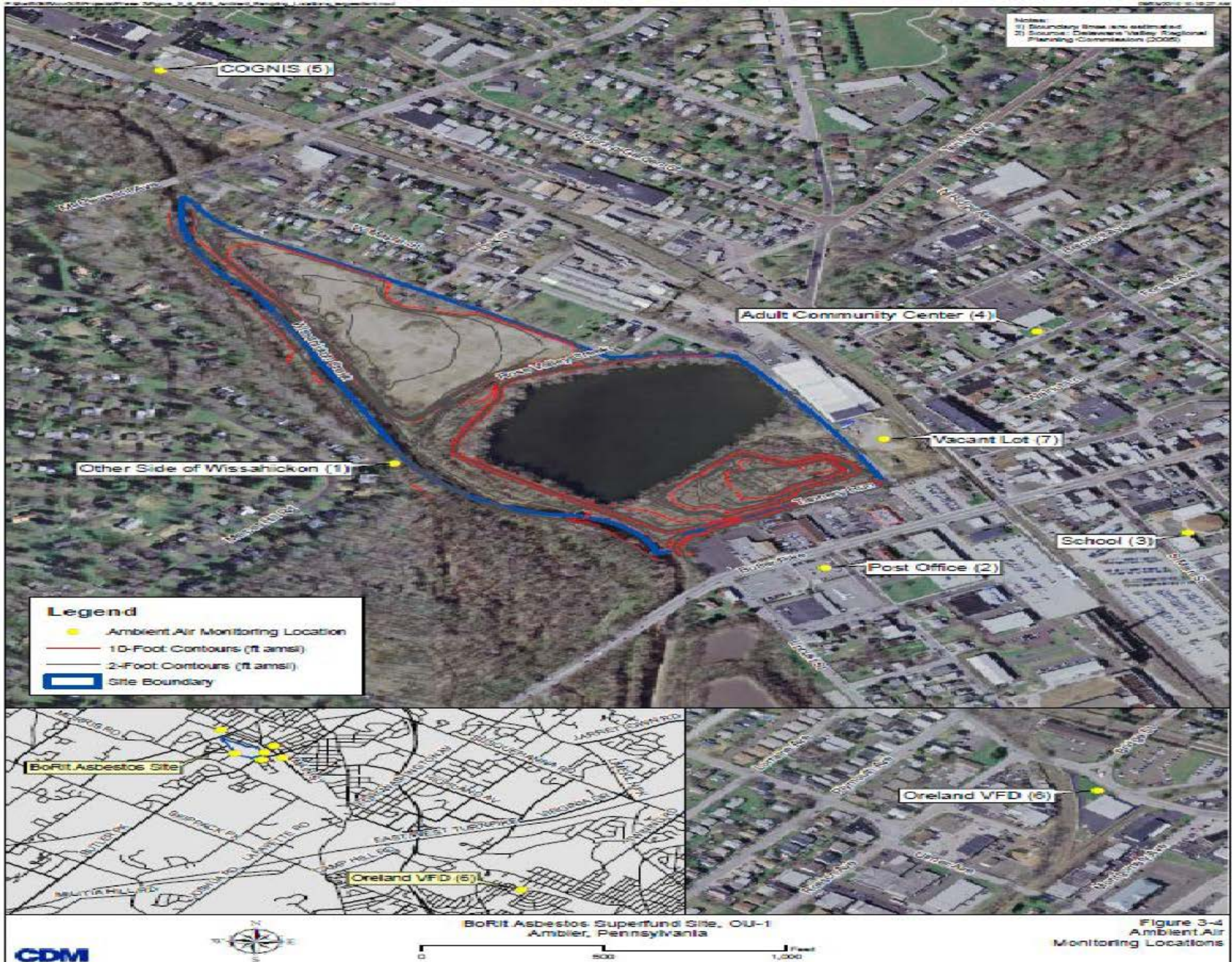
Kristine Matzko, EPA

BoRit CAG meeting

December 5, 2012

Air Monitoring

- EPA performed air monitoring
 - in response to community request
 - Evaluate air quality in community
 - Use data in health assessment
- Sampled 7 locations
 - 6 locations in community and 1 background
 - Local business, adult center, church, post office



Air Monitoring

- Sampled 12 months
 - November 2010 to October 2011
 - Sampled during every season
- 24 hour sample
 - Collected samples on weekdays, weekends
 - Collected during dry weather, not after rain
- Collected 14 samples at most locations
 - sampled 2 times in August and October 2011
- Collected a total of 98 samples



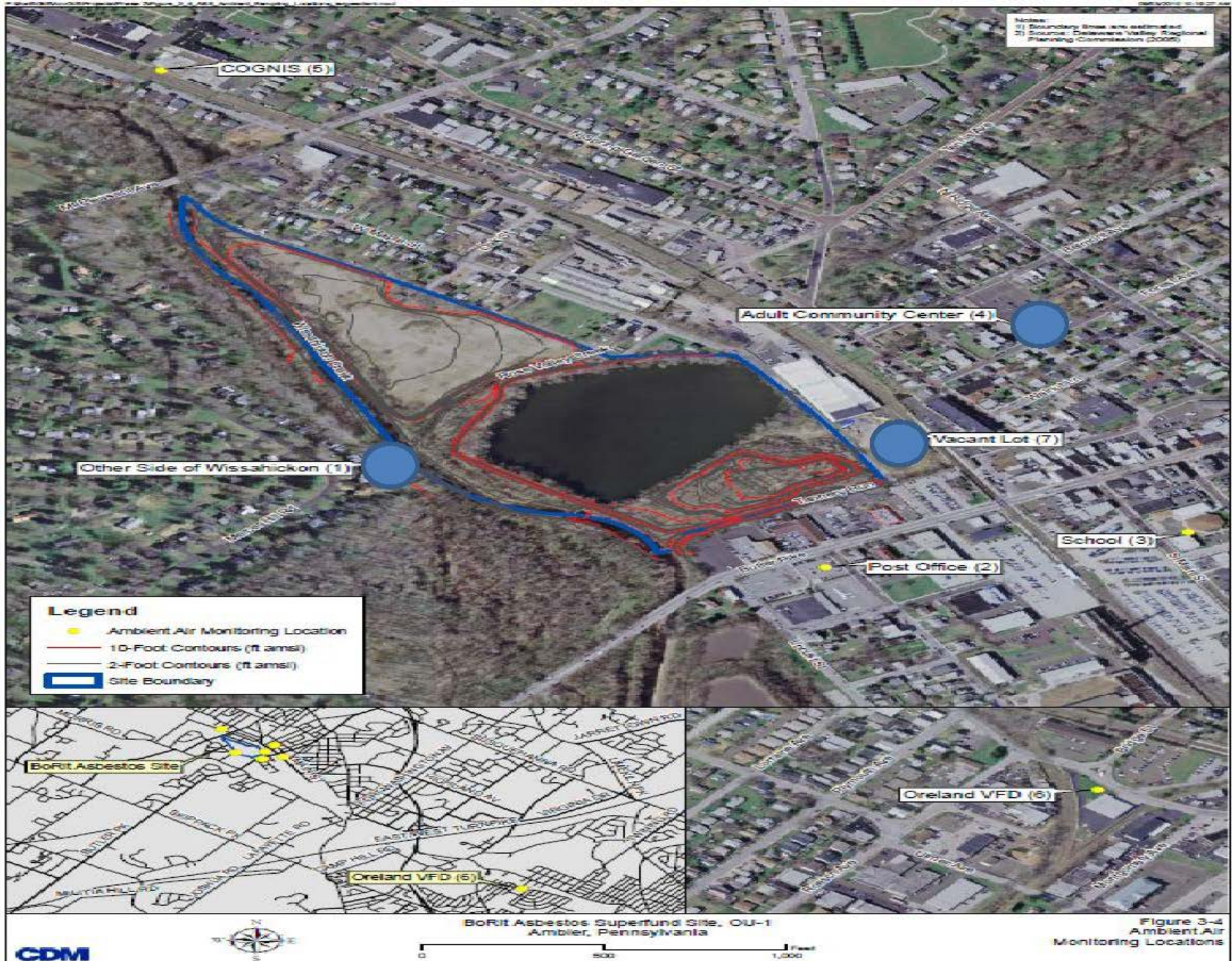




Air Monitoring

- Analyze samples - microscope
 - high powered electron microscope
 - Identify asbestos fibers
- Count fibers - use method called PCME
 - Count fibers of a specific length, dimension
 - EPA's method to assess health effects
- Compare results to screening value
 - 0.001 structures/cubic centimeter (s/cc)
 - EPA's Asbestos Framework
 - Consult with EPA's risk assessor

Location	PCME – asbestos fibers	Date
#1 trail along creek	0.001 s/cc	Monday, Sept 12, 2011
#2 post office	No detections	
#3 church	No detections	
#4 adult center	0.0008 s/cc	Friday, August 12, 2011
#5 business	No detections	
#6 background	No detections	
#7 warehouse	0.0008 s/cc	Friday, August 12, 2011



Summary

- Year long monitoring, 98 samples
- 3 detections using the PCME method
- Detections during summer months
 - August and September 2011
- The detections at or below the screening value of 0.001 s/cc
- EPA will evaluate the air data further
 - Use data in the health assessment