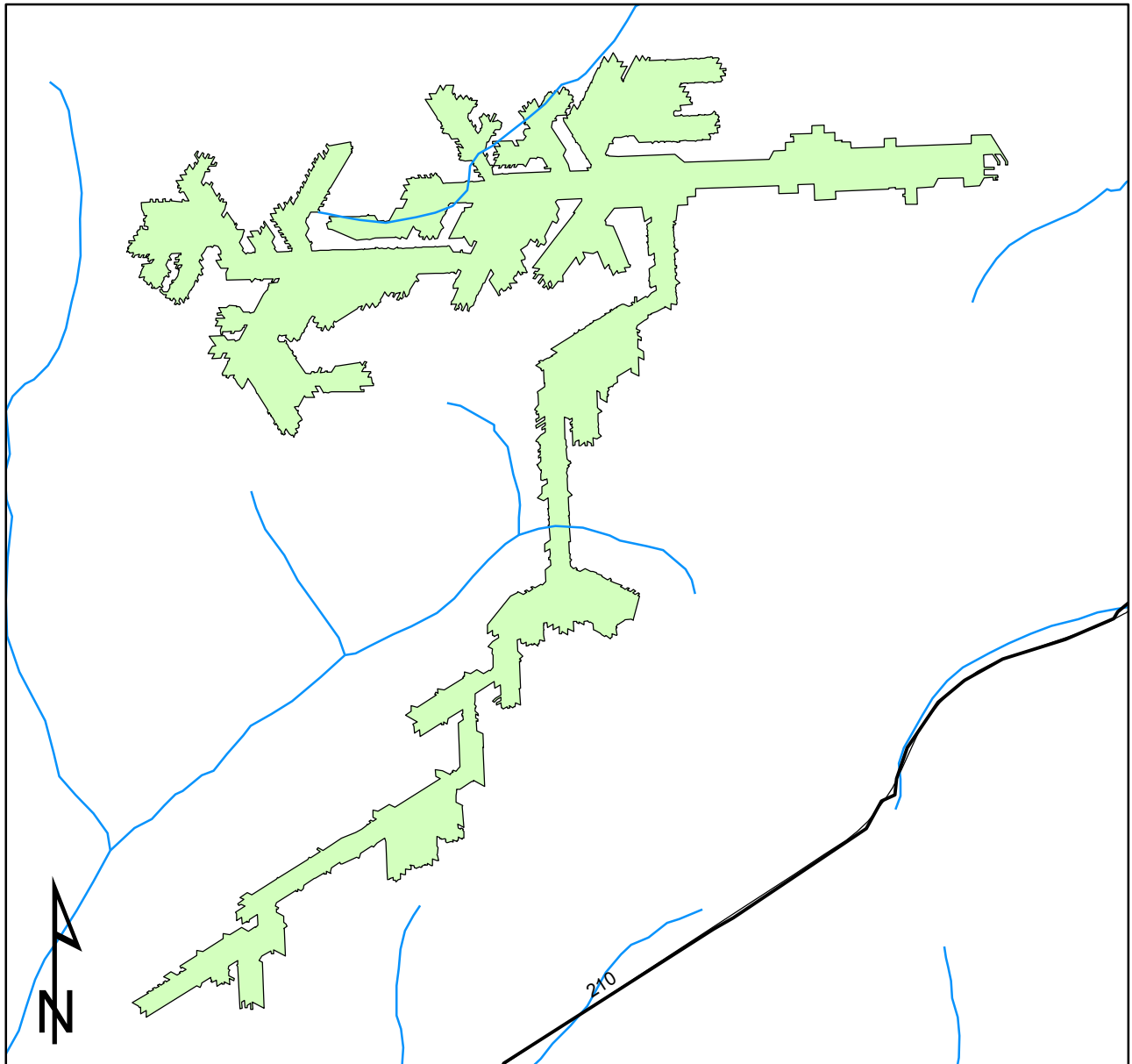


Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Rossmoyne No.1 Mine Mining Areas, Major Roads and Streams



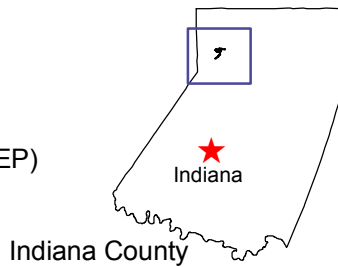
0 0.15 0.3 0.6 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



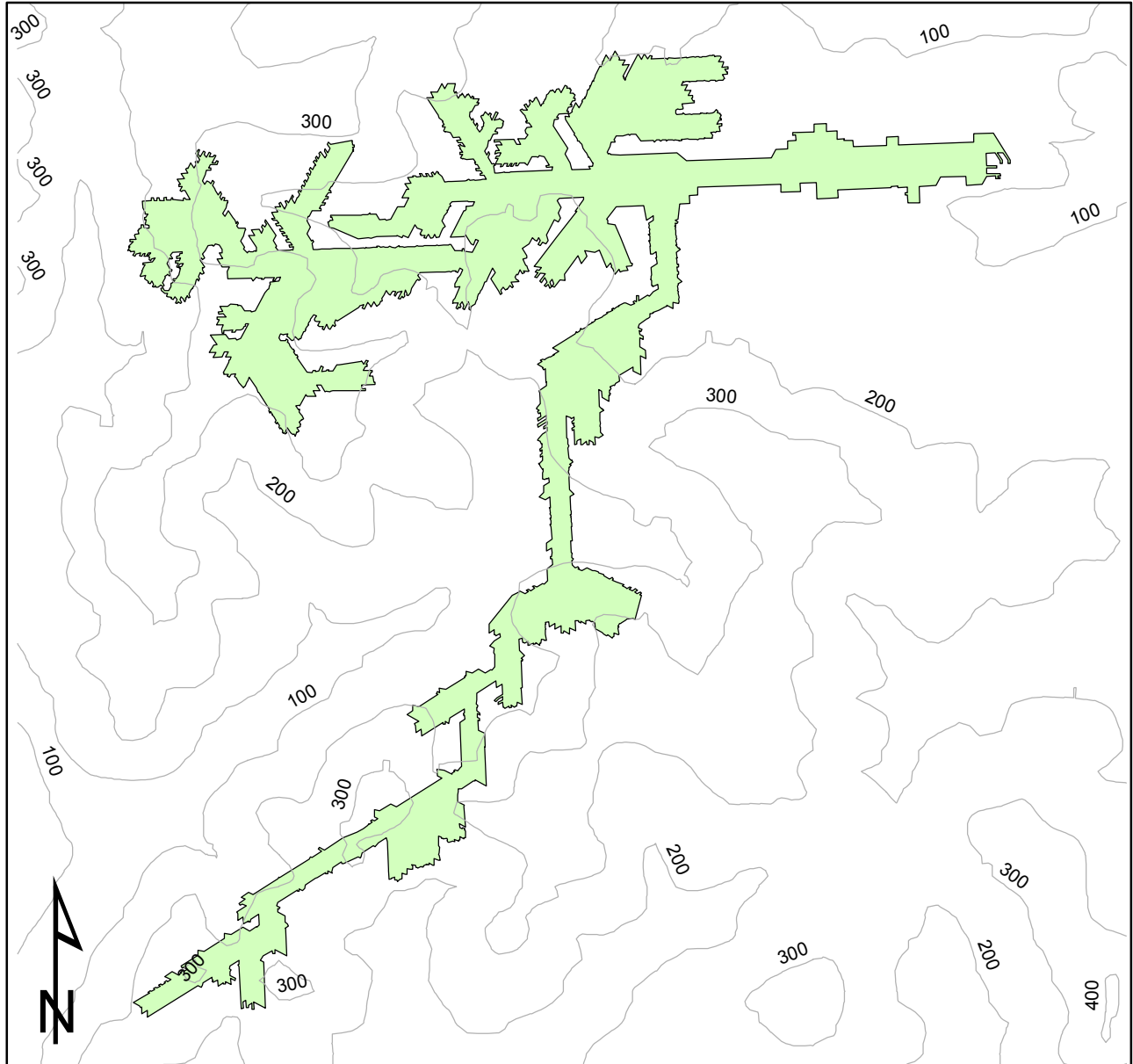
Indiana County

### Map Key

- Highways
- Streams
- State Roads
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Rossmoyne No.1 Mine Mining Areas and Overburden Contours



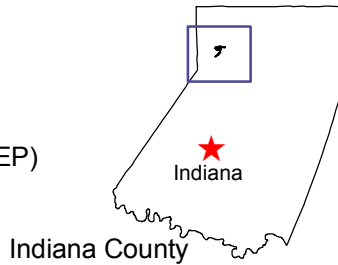
0 0.15 0.3 0.6 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh

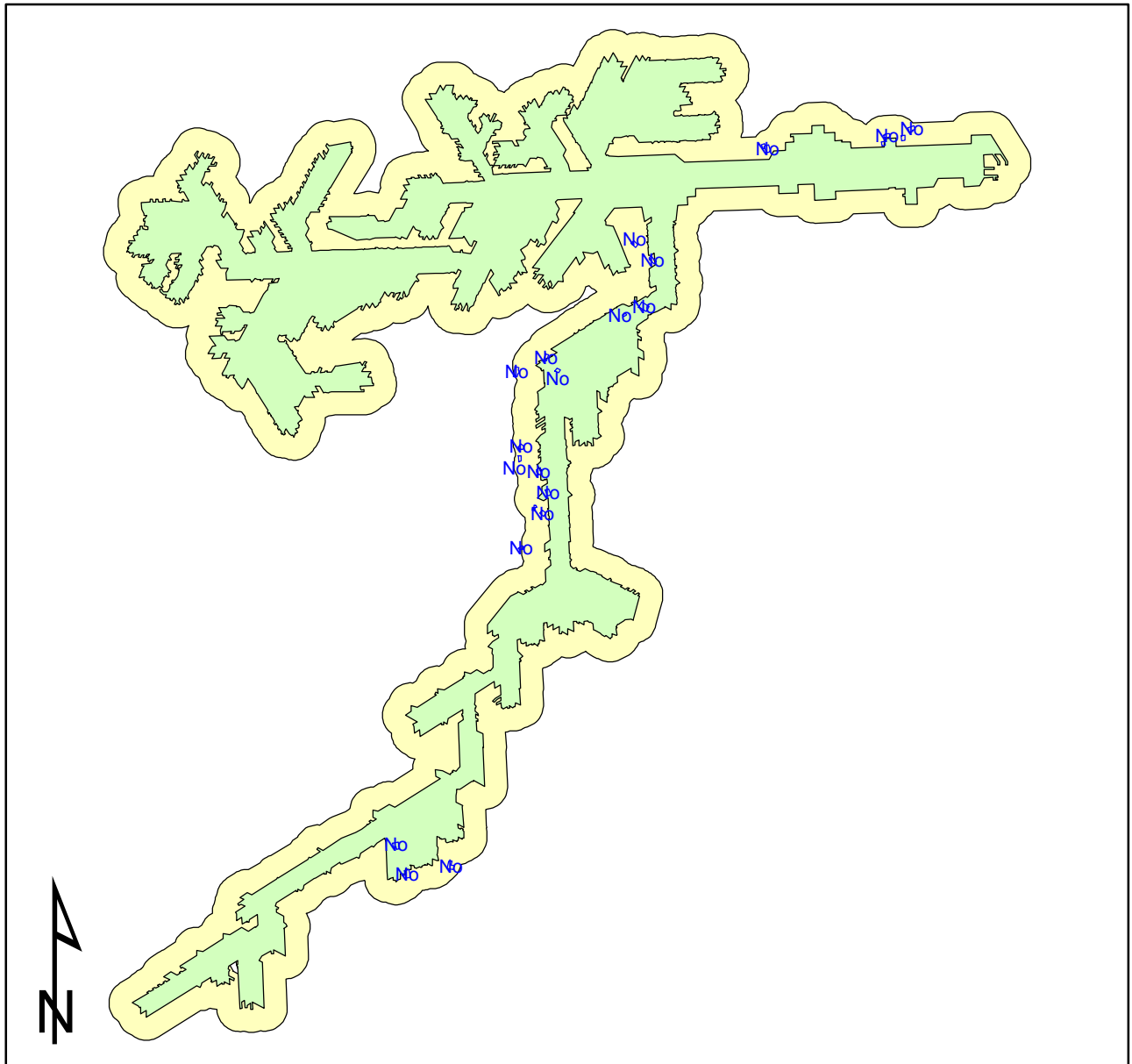


### Map Key

- Overburden Contour
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Rossmoyne No.1 Mine Mining Areas, 200-ft Buffer and Structures



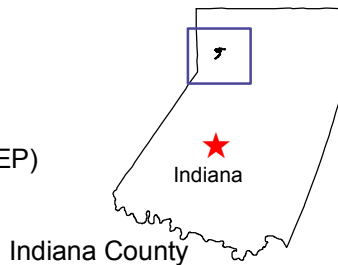
0 0.15 0.3 0.6 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh

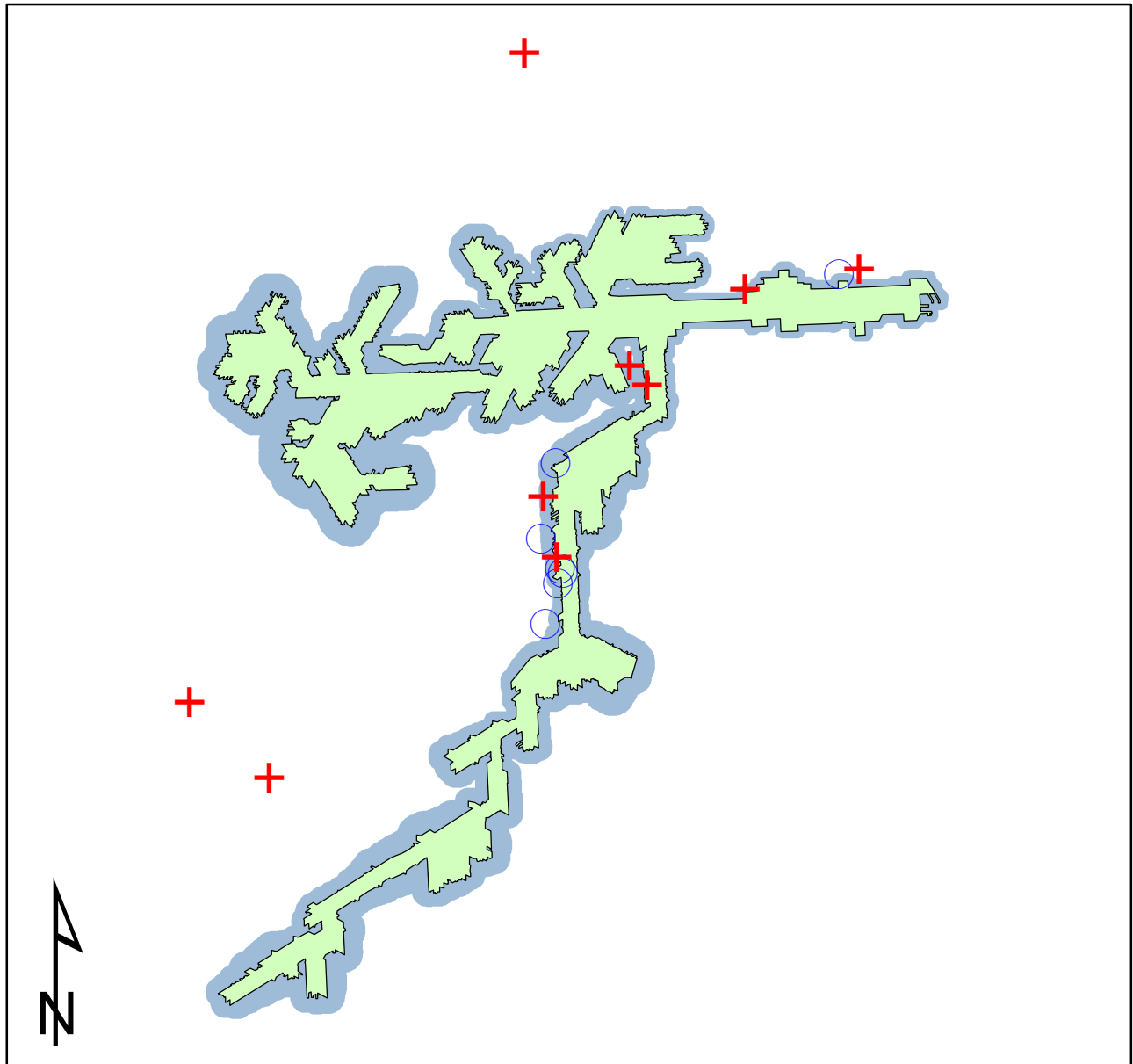


### Map Key

- No=Structures with no reported effects
- Room-and-Pillar
- 200-ft Buffer

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Rossmoyne No.1 Mine Mining Areas, Watersources and RPZ



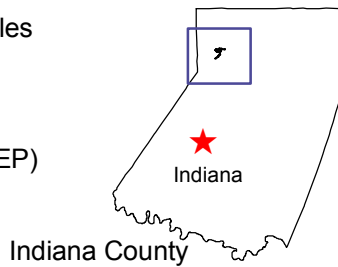
0 0.2 0.4 0.8 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



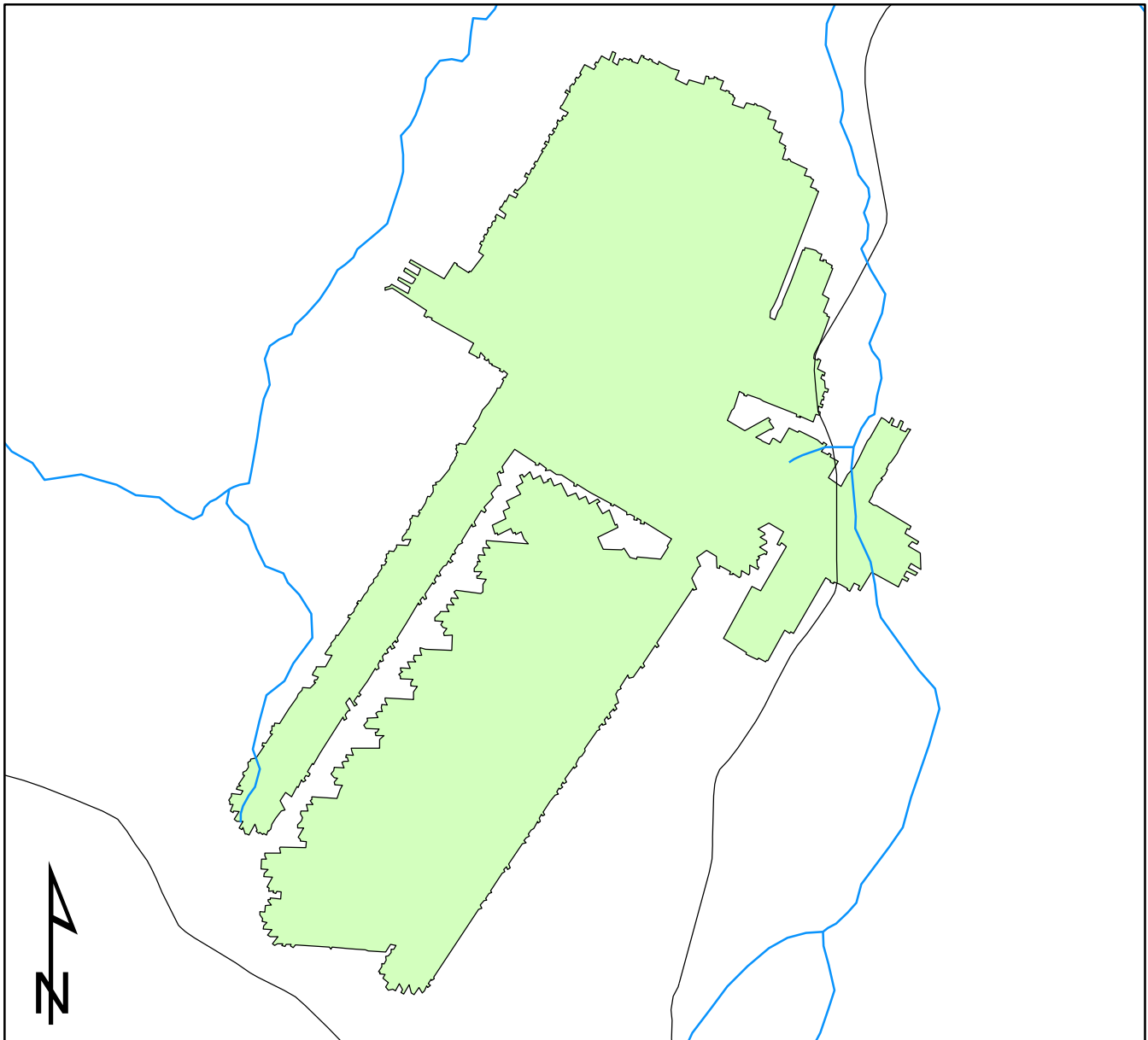
### Map Key

- Watersources with reported effects
- Watersources with no reported effects
- Room-and-Pillar
- RPZ

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Roytown Mine

## Mining Areas, Major Roads and Streams



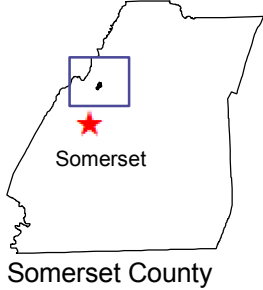
0 0.1 0.2 0.4 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh

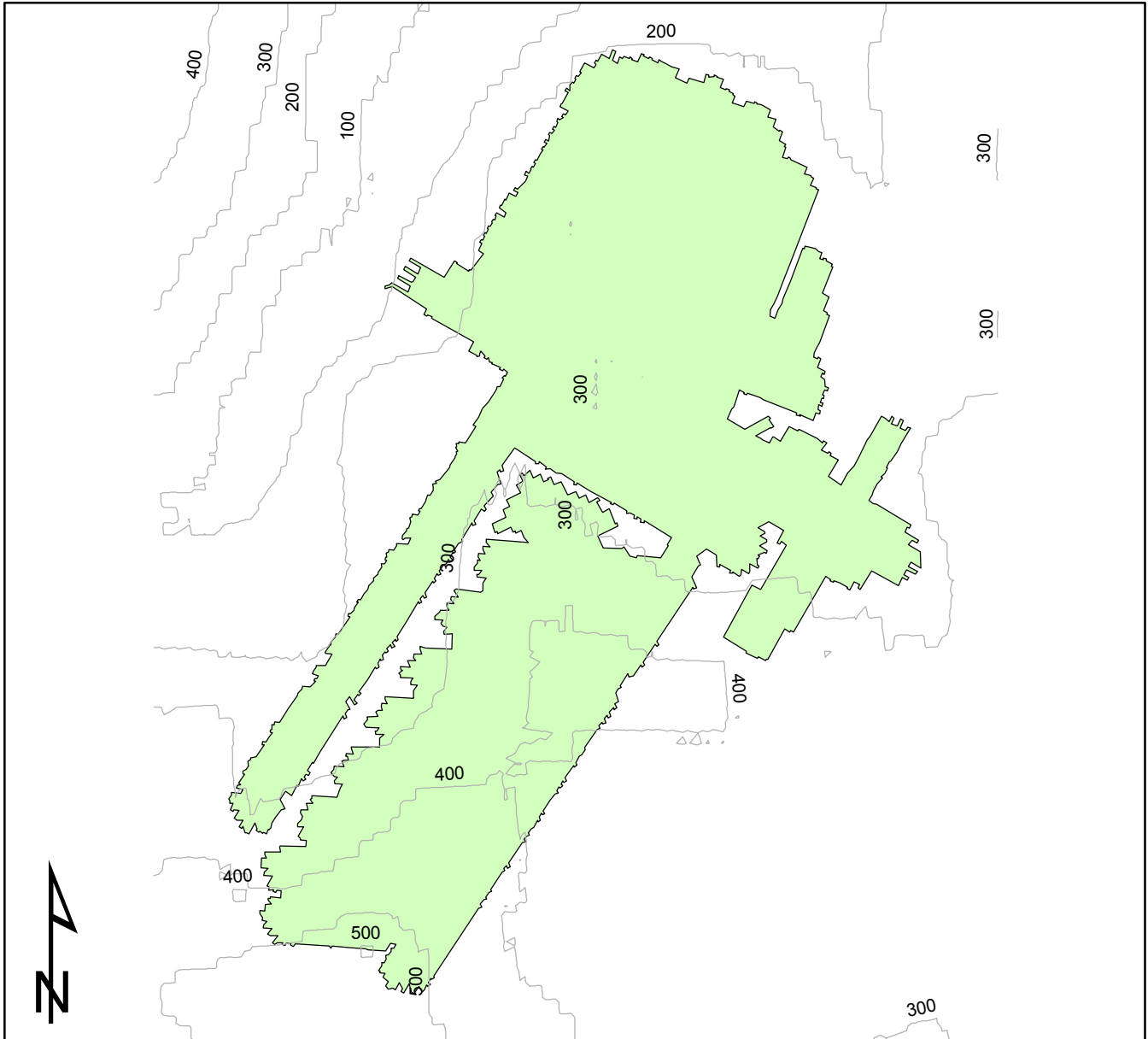


### Map Key

- Highways
- Streams
- State Roads
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Roytown Mine Mining Areas and Overburden Contours



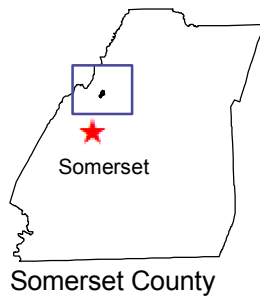
0 0.1 0.2 0.4 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



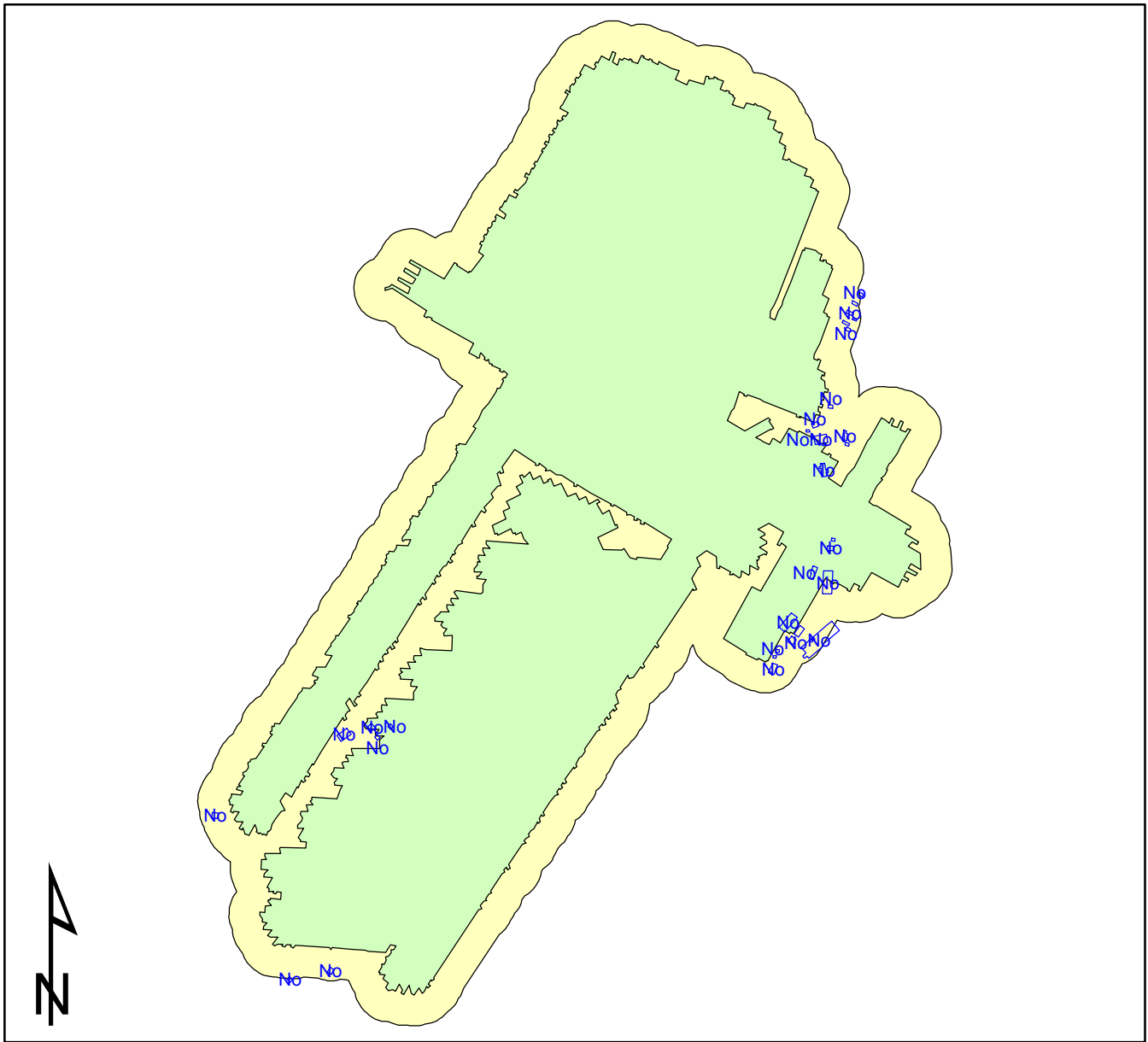
### Map Key

- Overburden Contour
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Roytown Mine

## Mining Areas, 200-ft Buffer and Structures



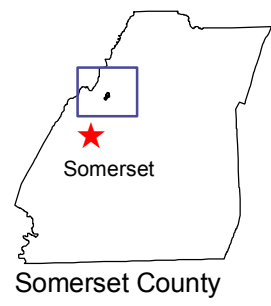
0 0.1 0.2 0.4 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



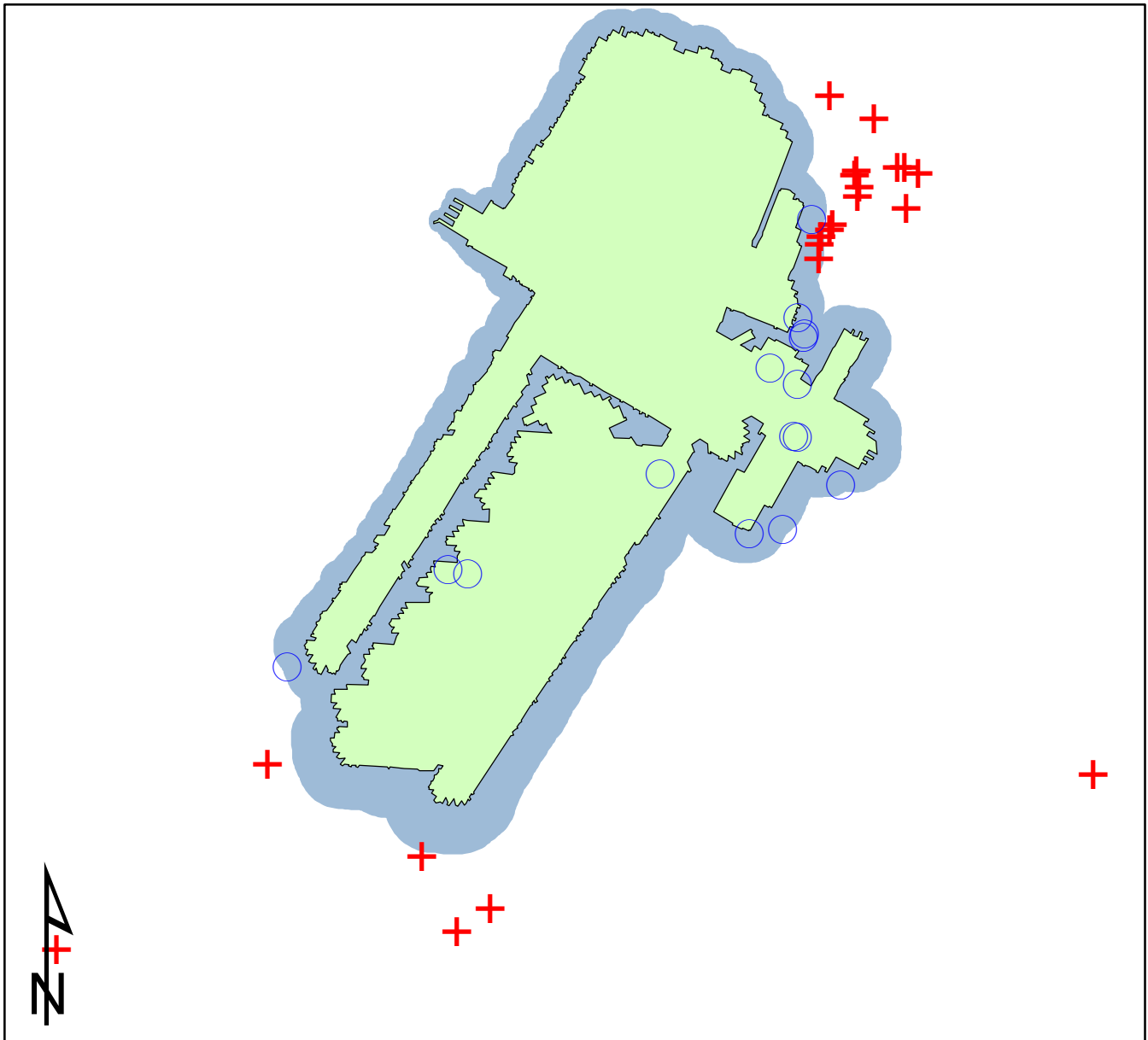
### Map Key

- No=Structures with no reported effects
- Room-and-Pillar
- 200-ft Buffer

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Roytown Mine

## Mining Areas, Watersources and RPZ



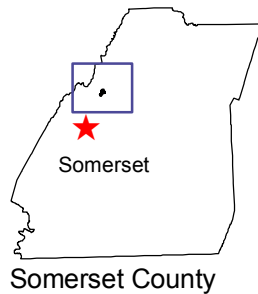
0 0.1 0.2 0.4 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



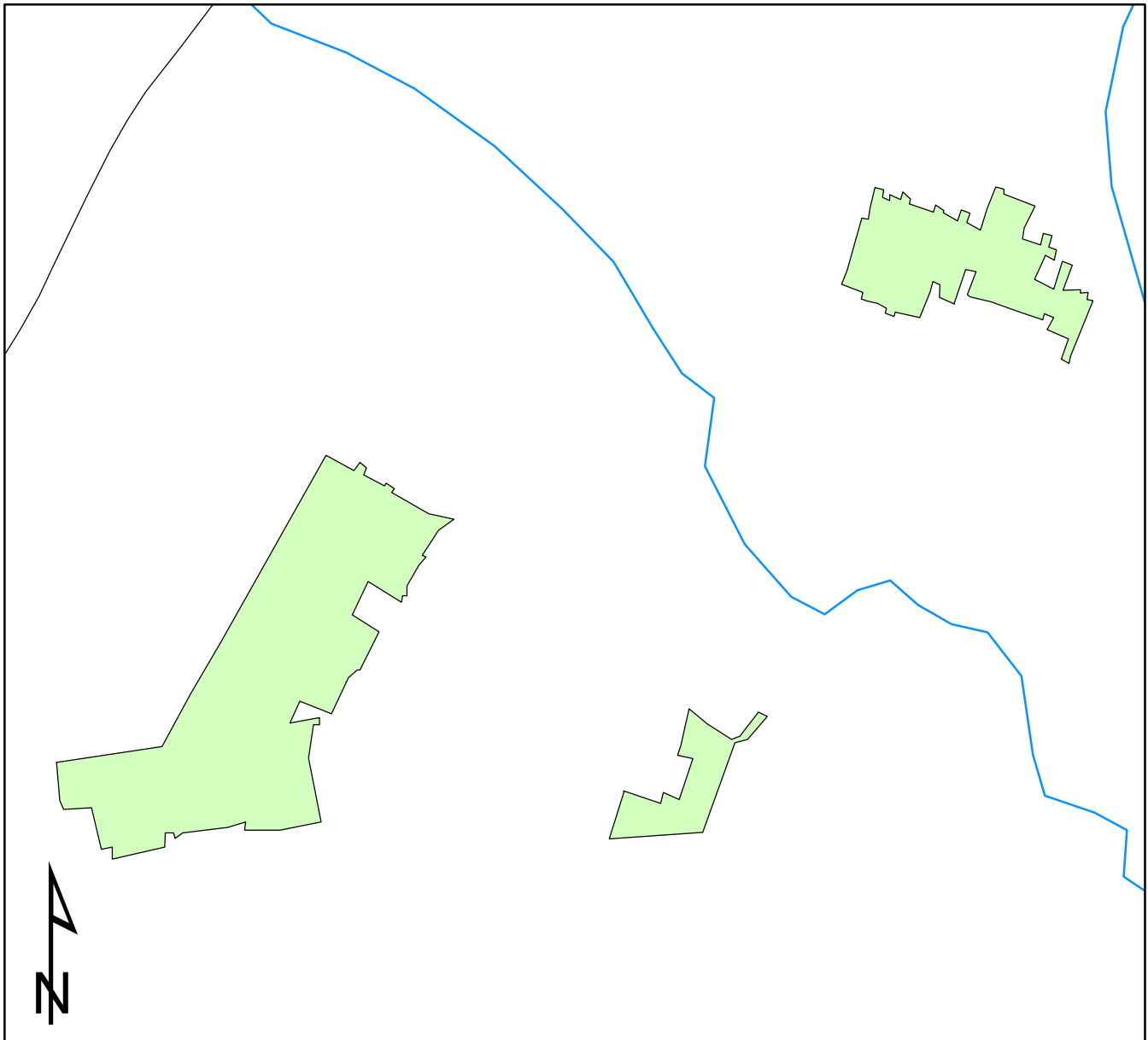
### Map Key

- Watersources with no reported effects
- ✚ Watersources with reported effects
- Room-and-Pillar
- RPZ



Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Sarah Mine Mining Areas, Major Roads and Streams



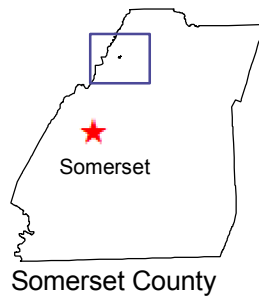
0 0.0375 0.075 0.15 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh

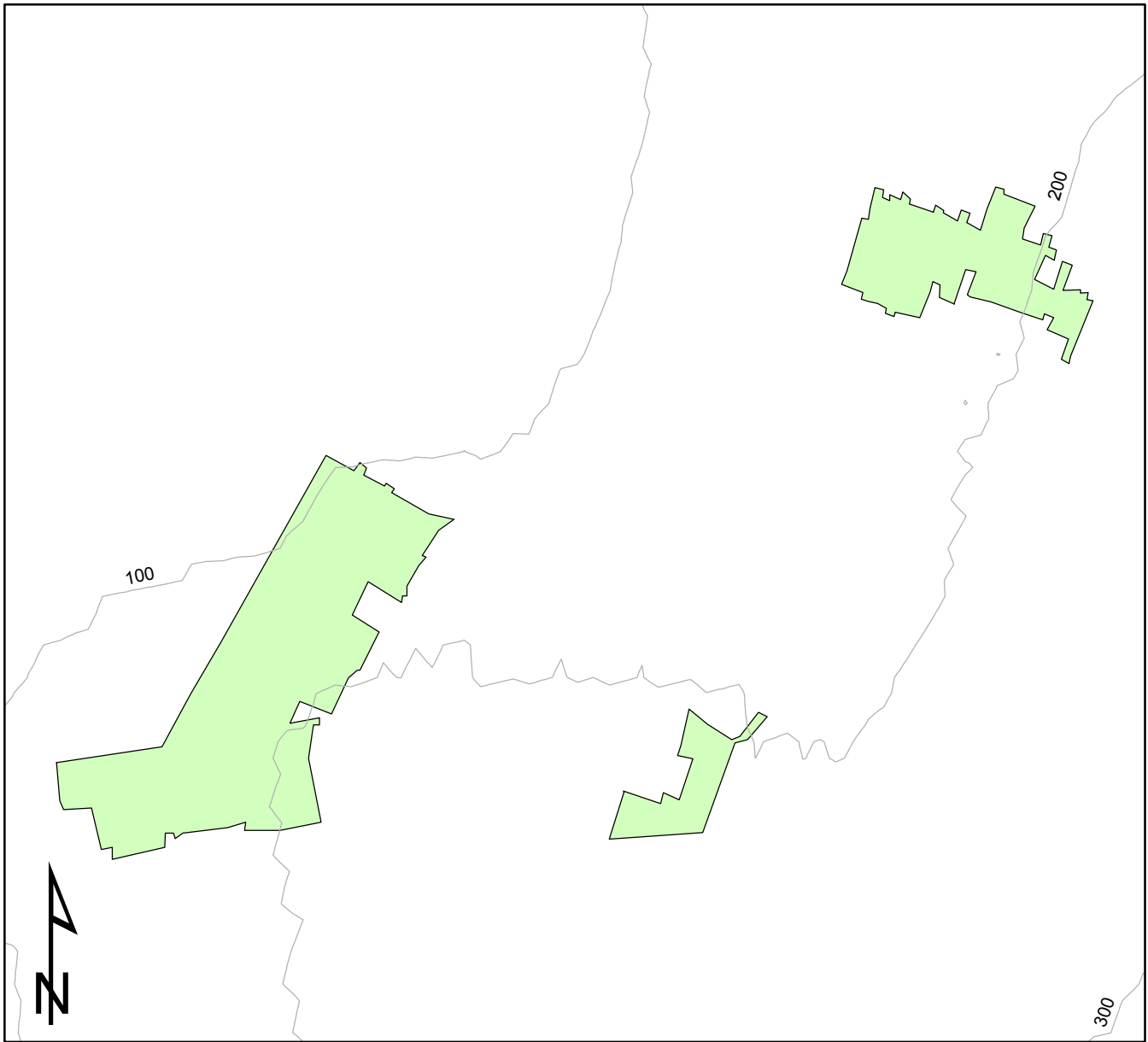


### Map Key

- Highways
- Streams
- State Roads
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Sarah Mine Mining Areas and Overburden Contours



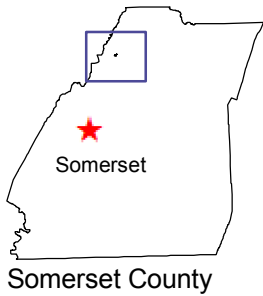
0 0.0375 0.075 0.15 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh

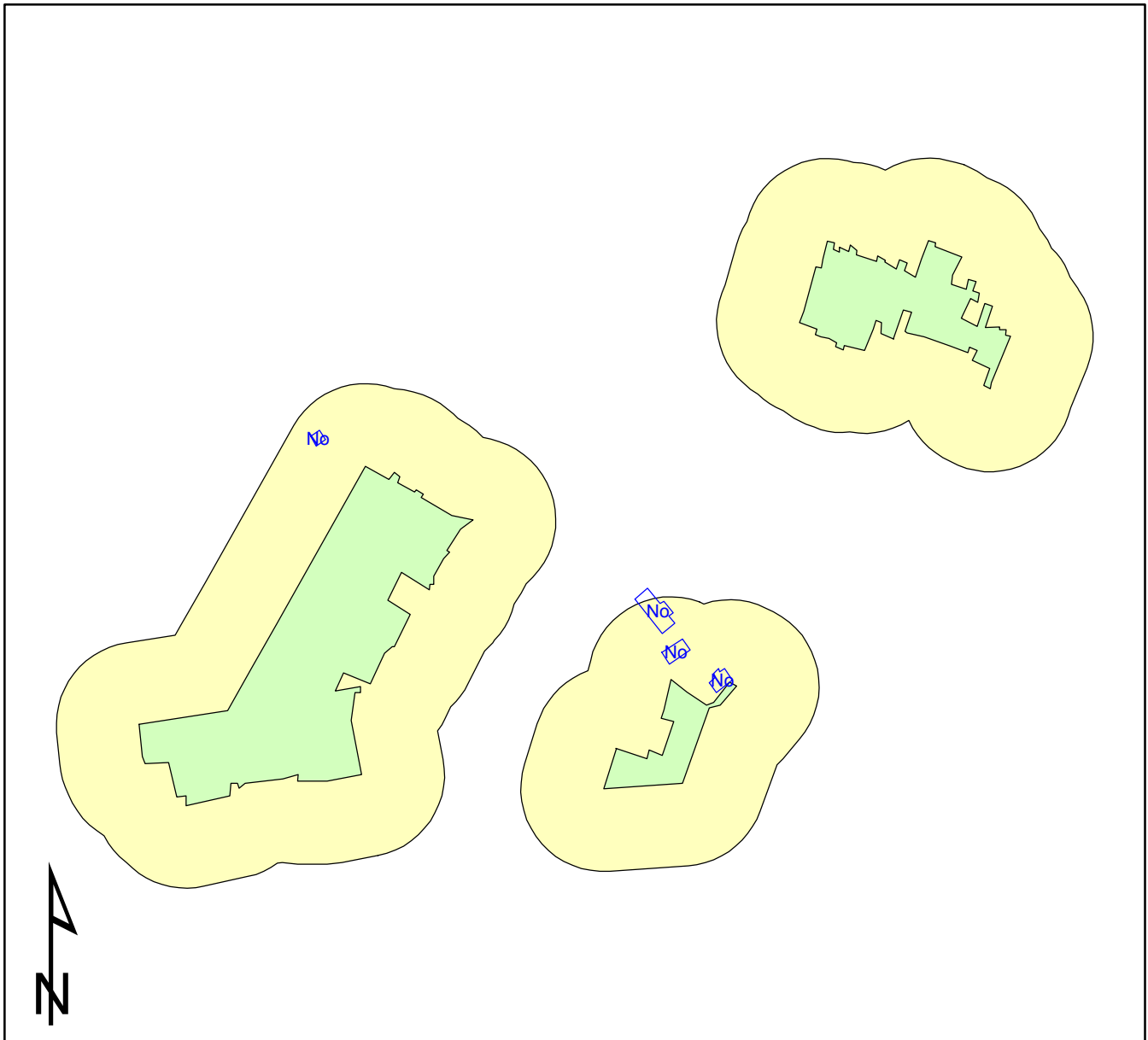


### Map Key

- Overburden Contour
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Sarah Mine Mining Areas, 200-ft Buffer and Structures



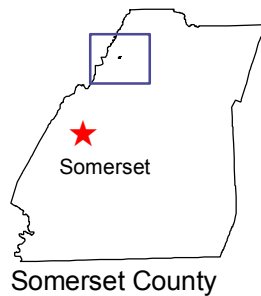
0 0.045 0.09 0.18 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh

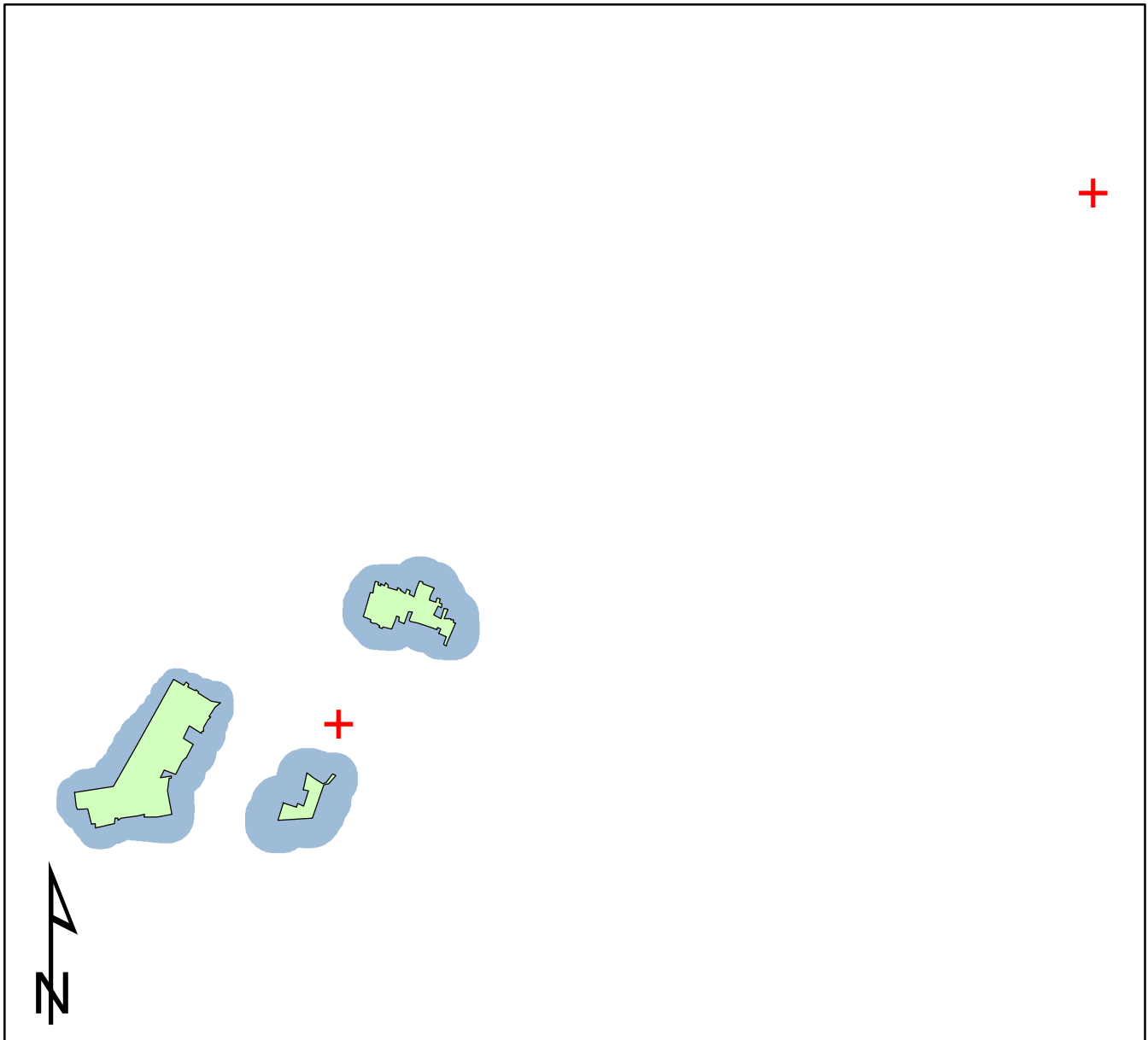


### Map Key

- No=Structures with no reported effects
- Room-and-Pillar
- 200-ft Buffer

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Sarah Mine Mining Areas, Watersources and RPZ



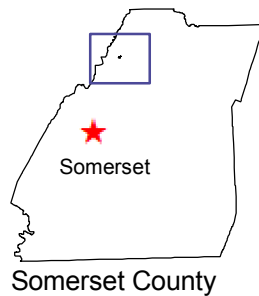
0 0.05 0.1 0.2 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh

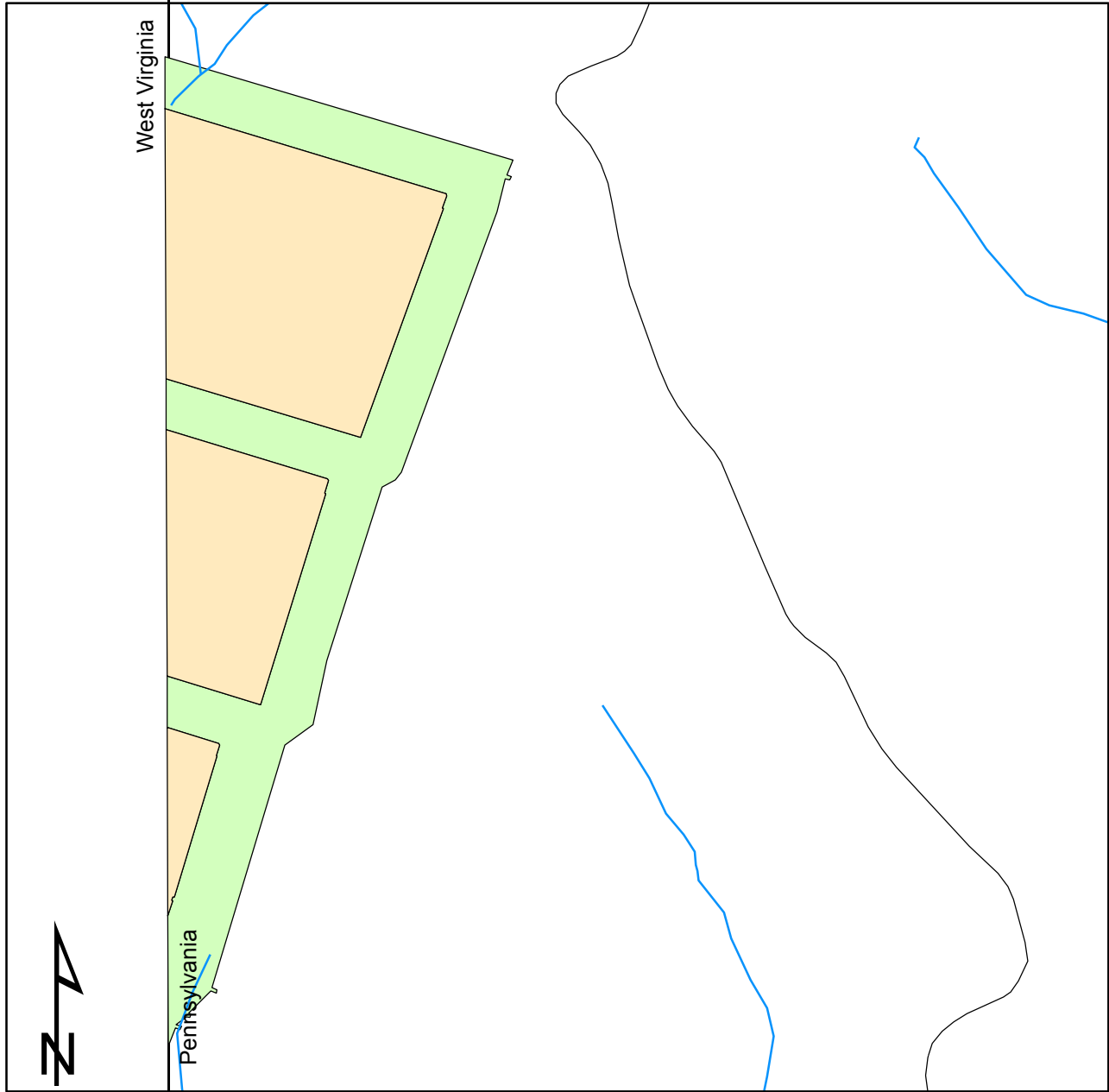


### Map Key

- Watersources with reported effects
- Room-and-Pillar
- RPZ

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Shoemaker Mine Mining Areas, Major Roads and Streams



0 0.04 0.08 0.16 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh

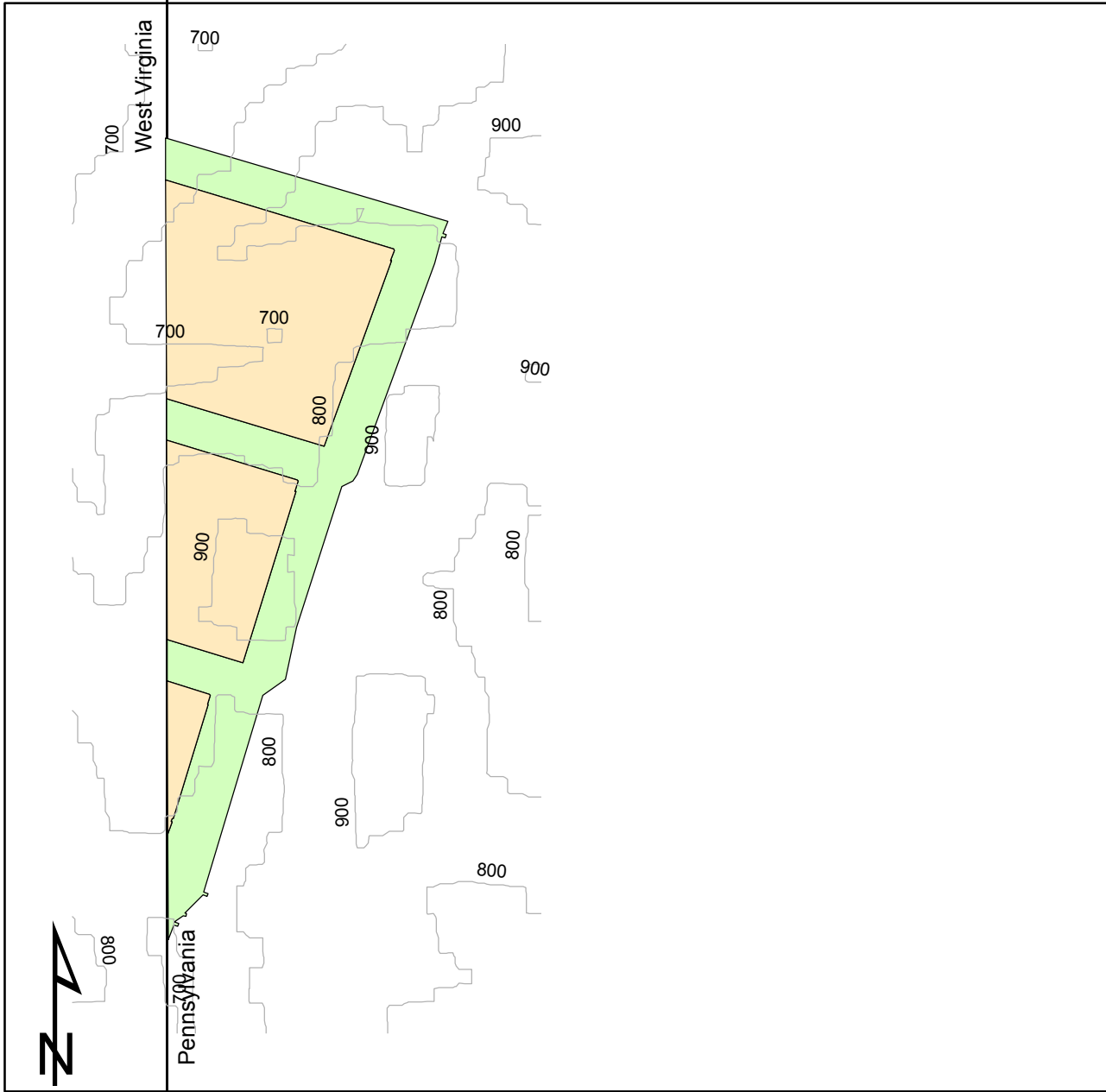


### Map Key

- Highways
- Streams
- State Roads
- Longwall Panel
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Shoemaker Mine Mining Areas and Overburden Contours



0 0.05 0.1 0.2 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh

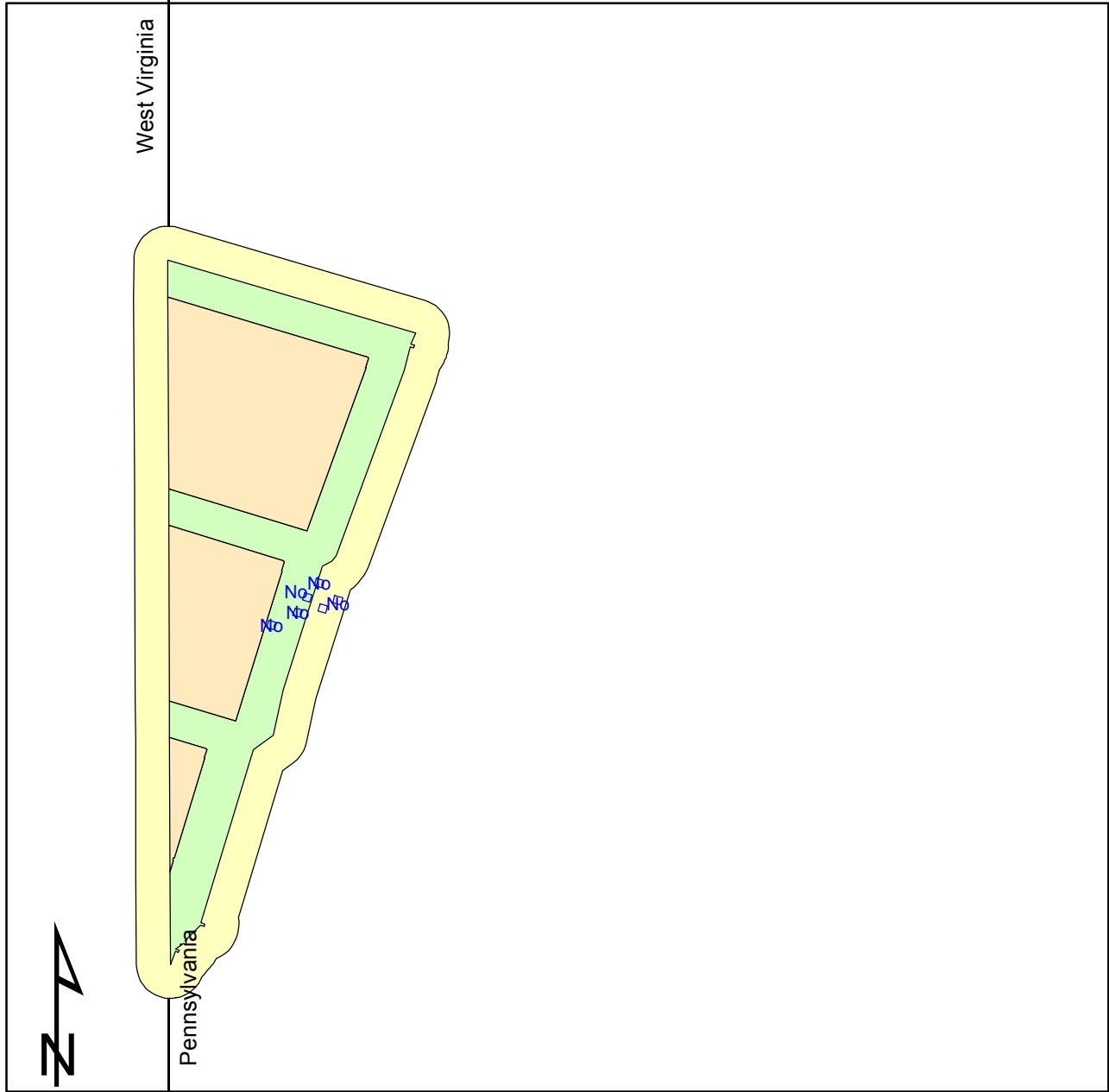


**Map Key**

- Overburden Contour
- Longwall Panel
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Shoemaker Mine Mining Areas, 200-ft Buffer and Structures



0 0.05 0.1 0.2 Miles



Prepared for:  
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Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh

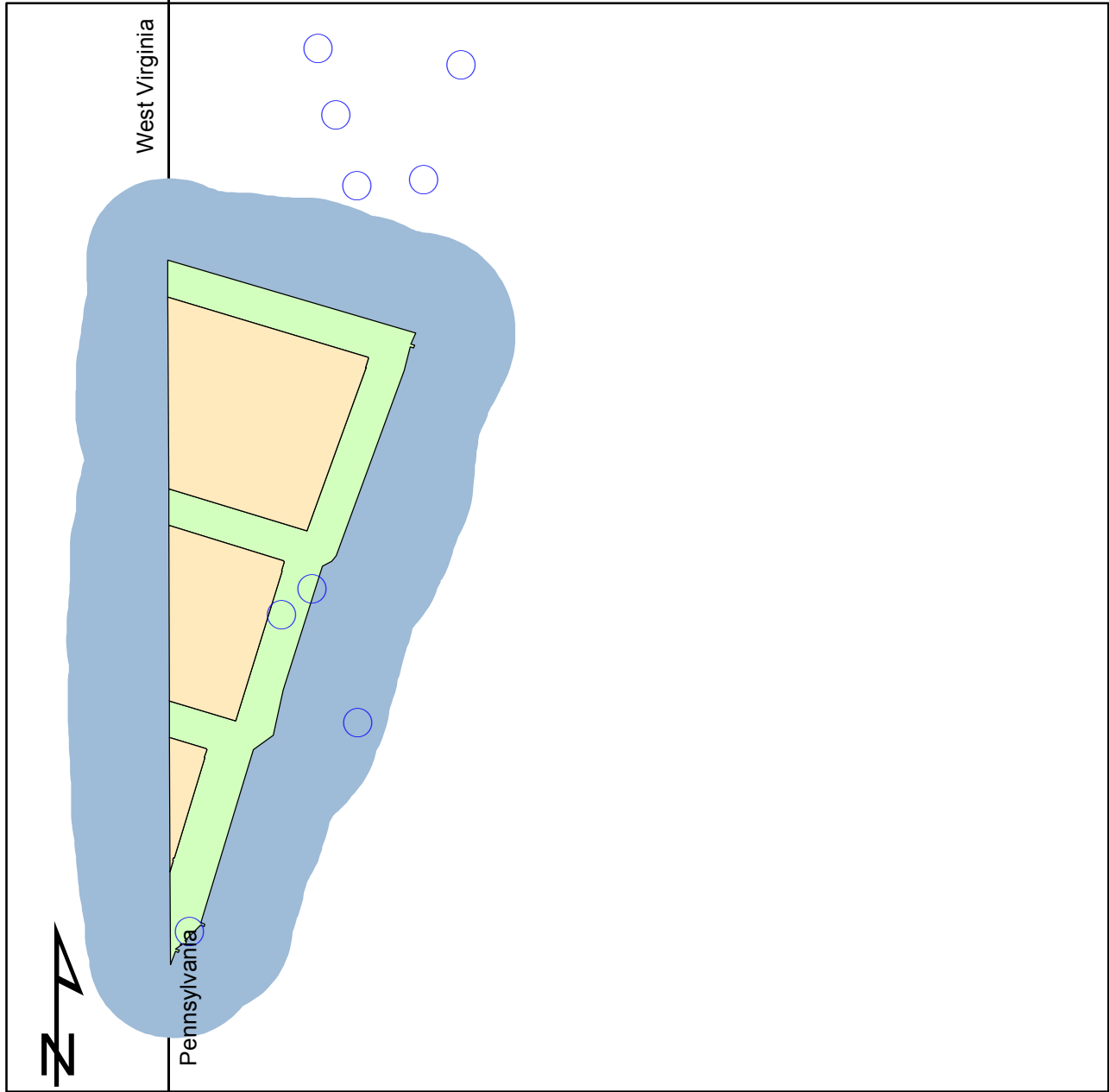


### Map Key

- No=Structures with no reported affects*
- Longwall Panel
- Room-and-Pillar
- 200-ft Buffer

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Shoemaker Mine Mining Areas, Watersources and RPZ



0 0.05 0.1 0.2 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



### Map Key

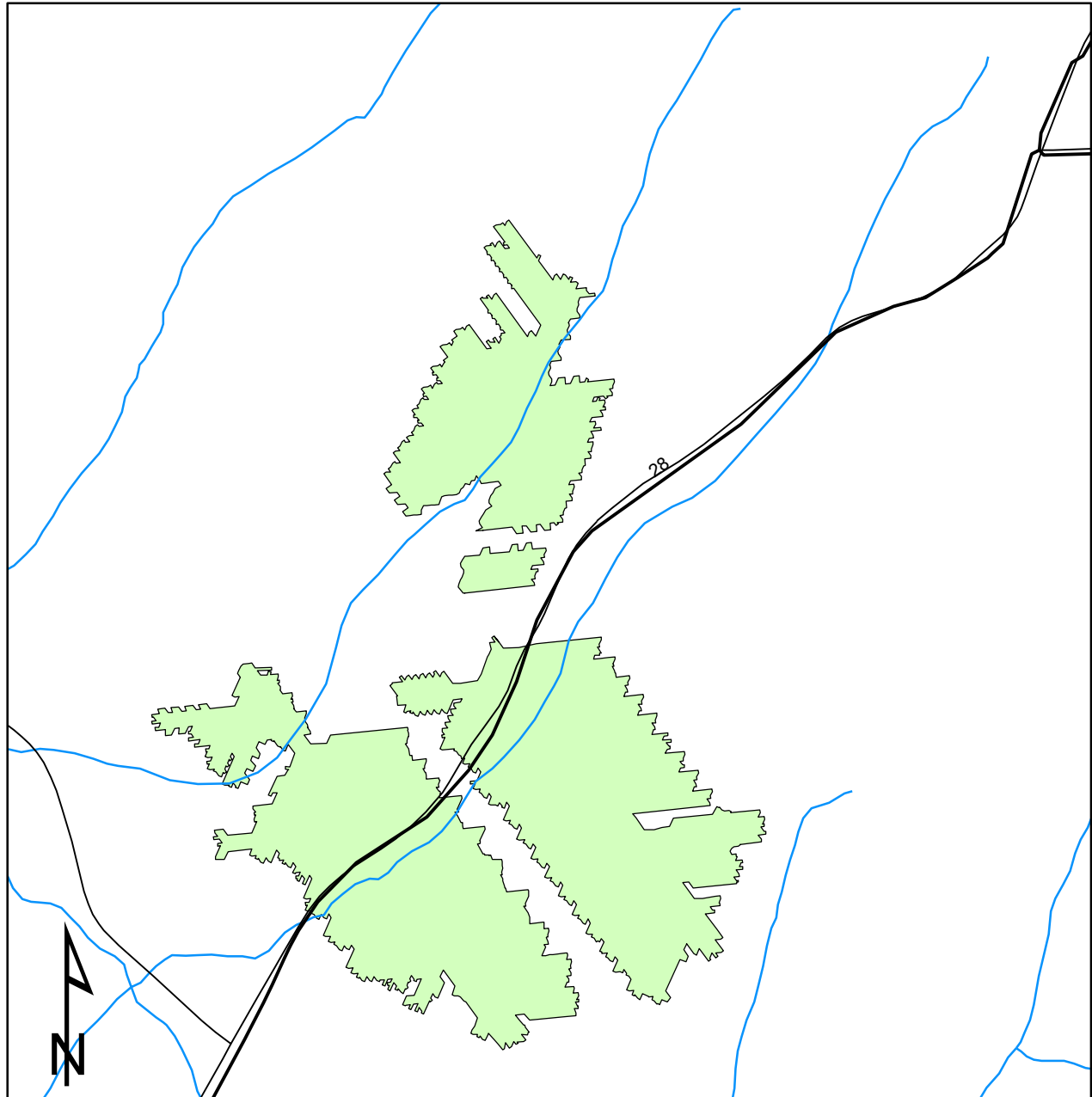
- Watersources with no reported effects*
- Longwall Panel
- Room-and-Pillar
- RPZ



Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Stitt Mine

## Mining Areas, Major Roads and Streams



0 0.125 0.25 0.5 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



Armstrong County

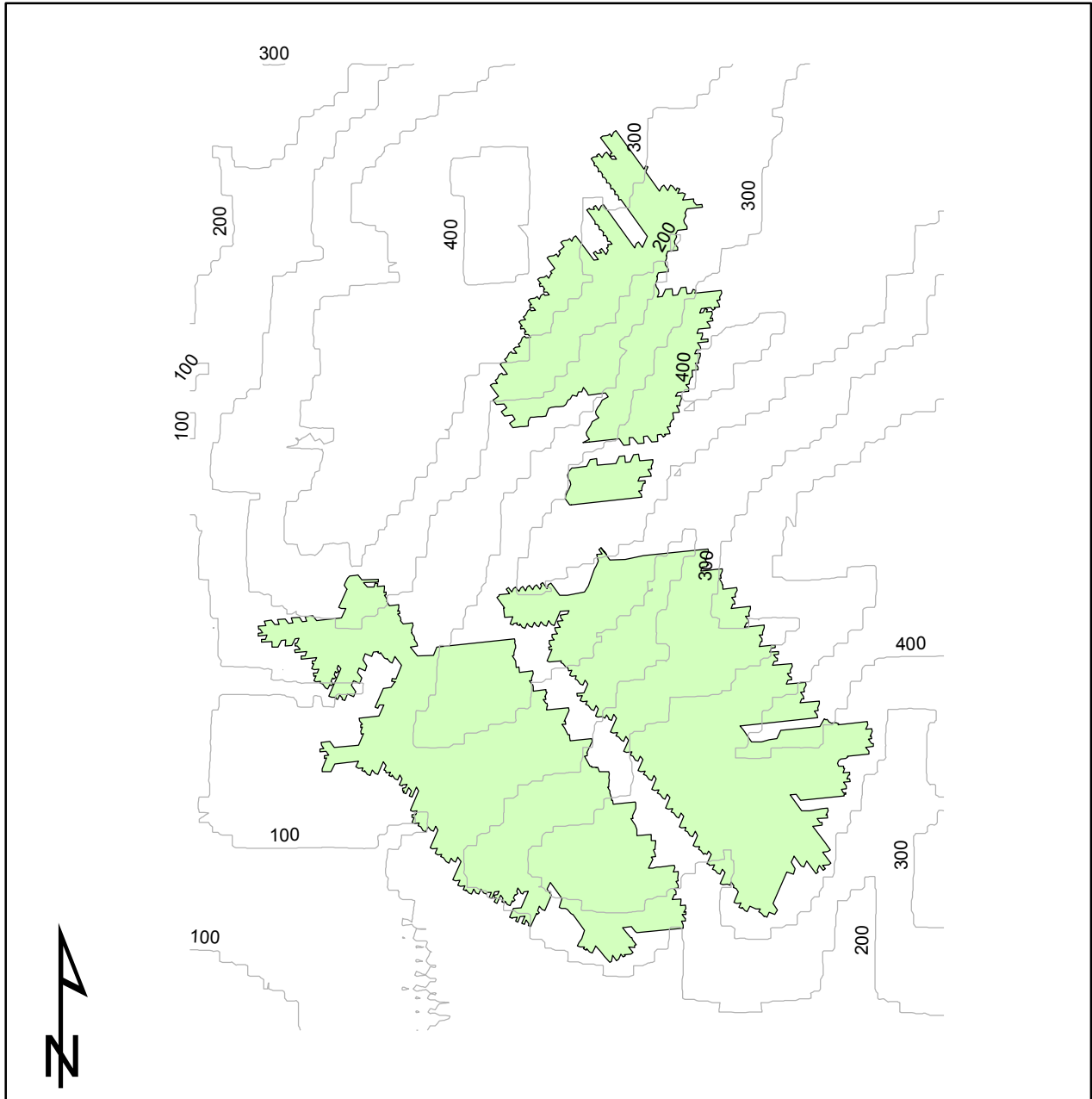
### Map Key

- Highways
- State Roads
- Streams
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Stitt Mine

## Mining Areas and Overburden Contours



0 0.125 0.25 0.5 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



Armstrong County

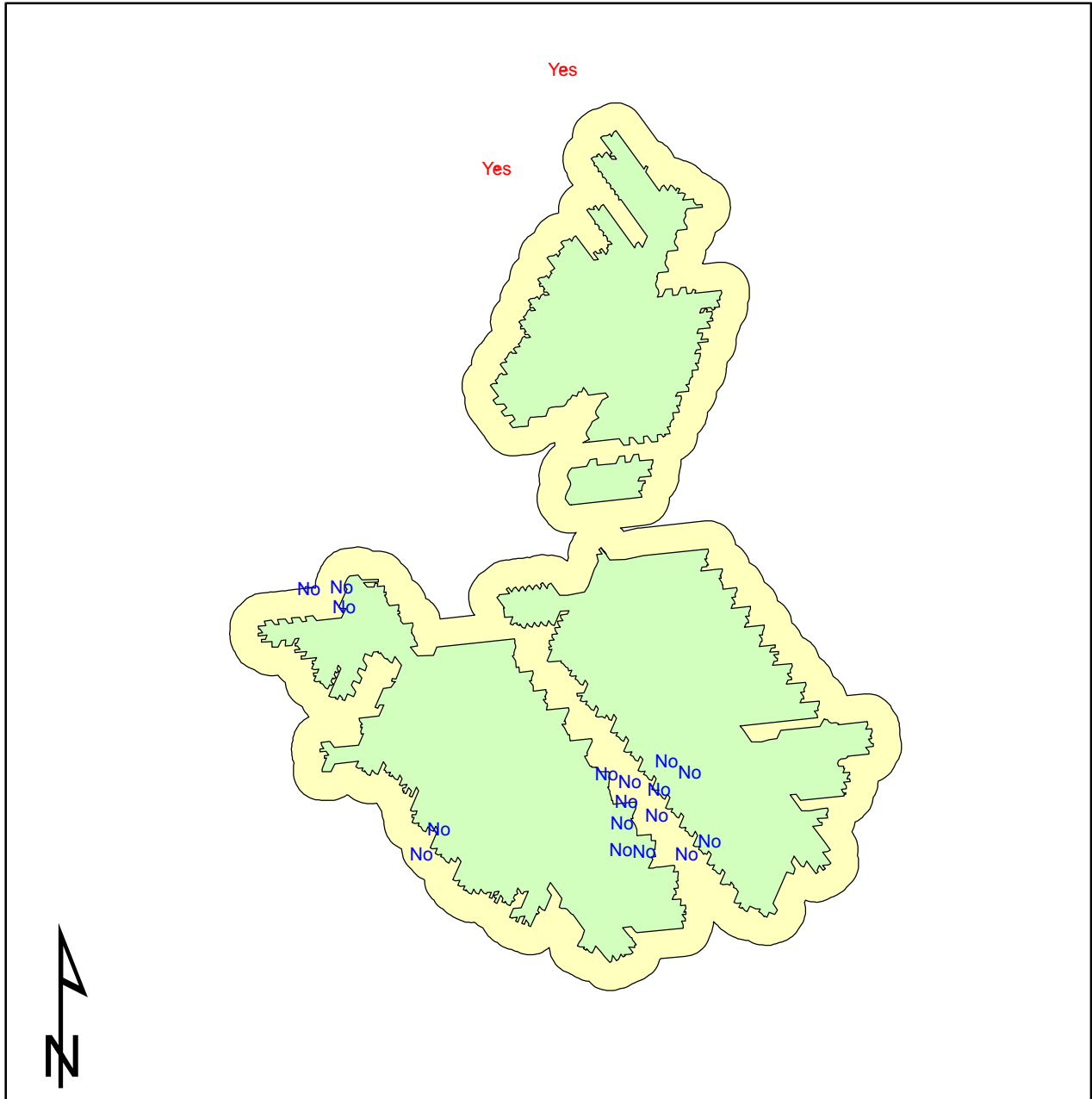
### Map Key

- Overburden Contour
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Stitt Mine

## Mining Areas, 200-ft Buffer and Structures



0 0.125 0.25 0.5 Miles



Prepared for:  
 Pennsylvania Department of  
 Environmental Protection (DEP)



Prepared by:  
 University of Pittsburgh



Armstrong County

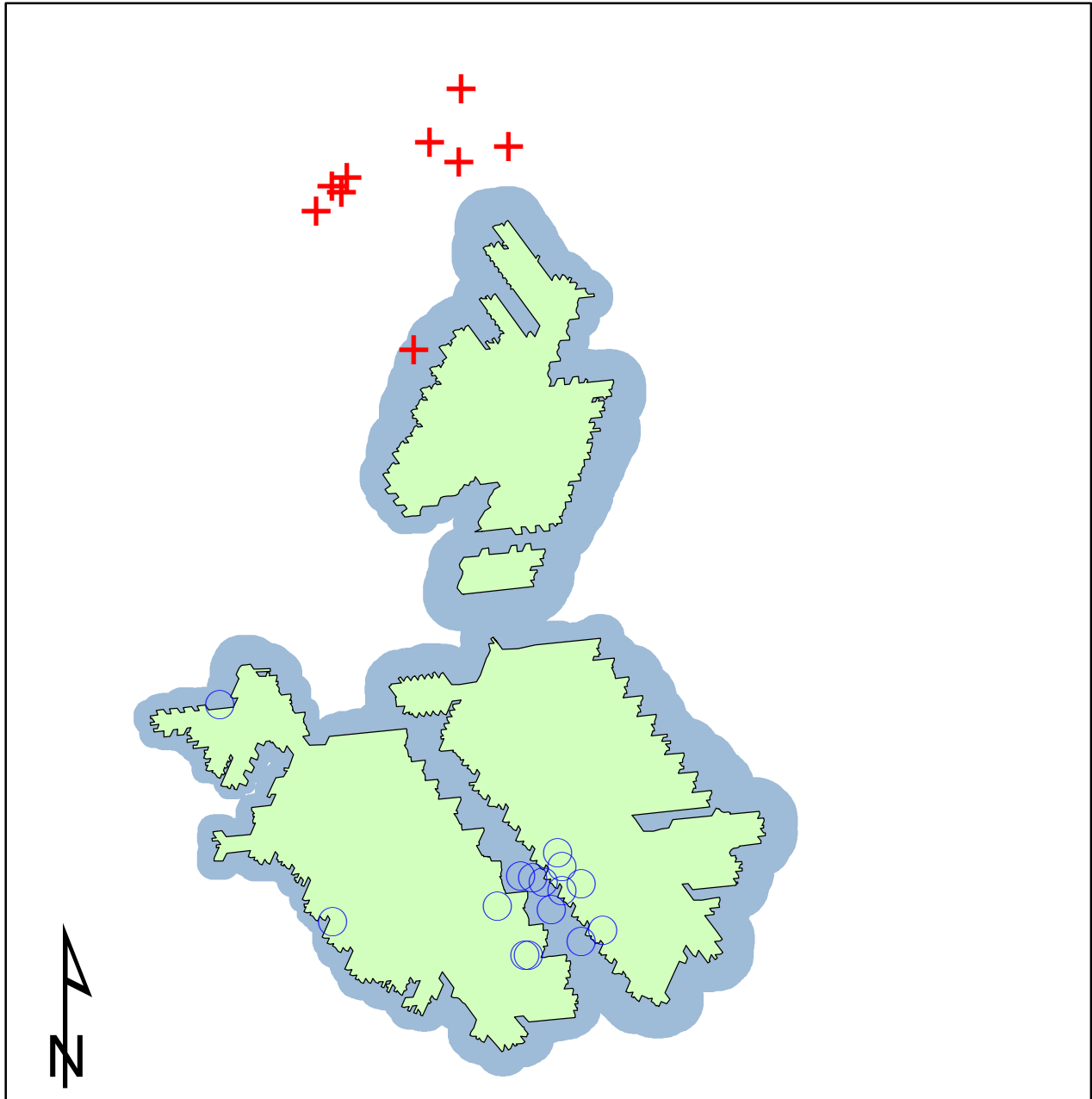
### Map Key

- Yes=Structures with reported effects
- No=Structures with no reported effects
- Room-and-Pillar
- 200-ft Buffer

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Stitt Mine

## Mining Areas, Watersources and RPZ



0 0.125 0.25 0.5 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



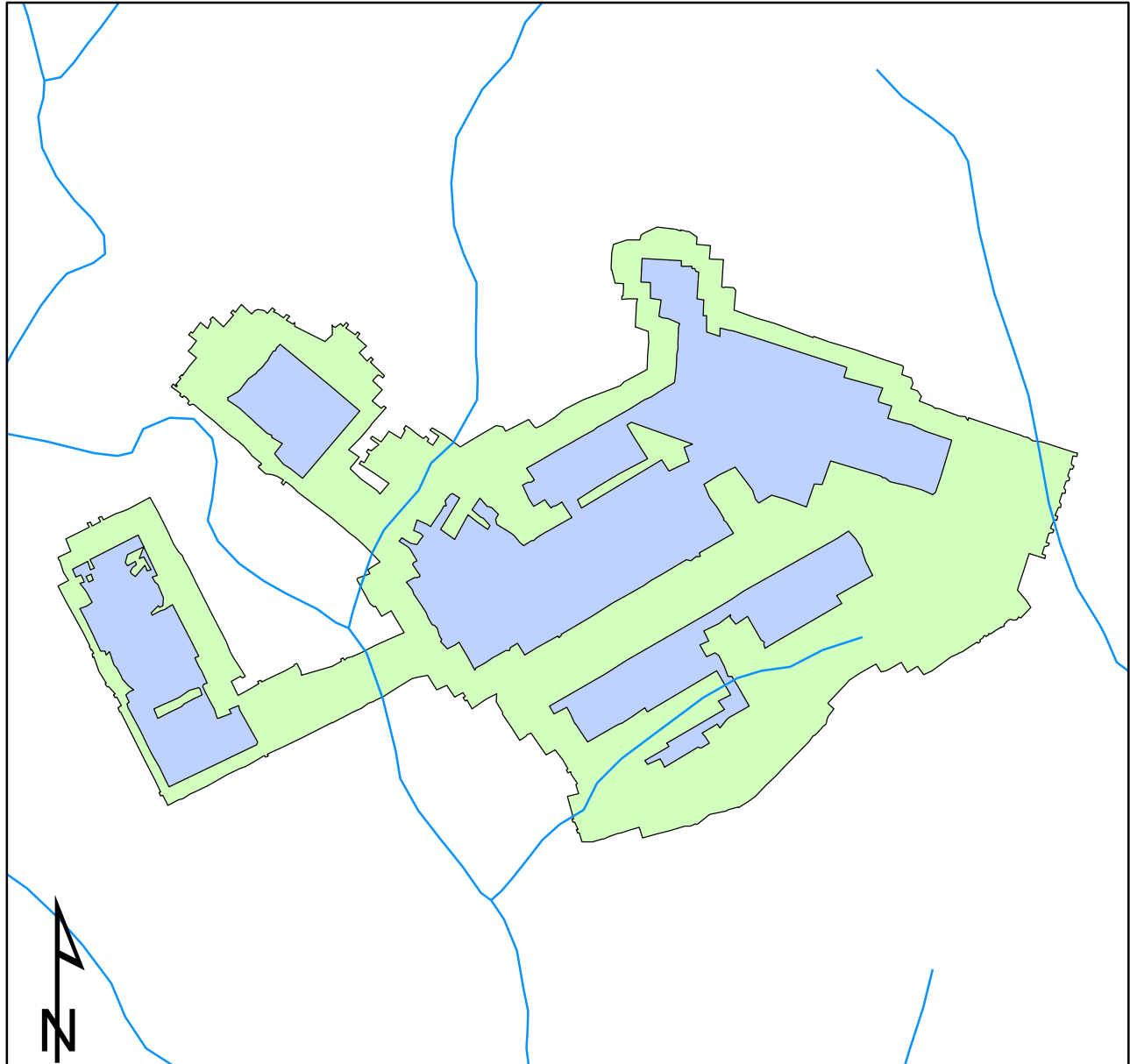
Armstrong County

### Map Key

- Watersources with no reported effects
- ✚ Watersources with reported effects
- Room-and-Pillar
- RPZ

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Titus Mine Mining Areas, Major Roads and Streams



0 0.1 0.2 0.4 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



### Map Key

- Highways
- Streams
- State Roads
- Pillar Recovery
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Titus Mine Mining Areas and Overburden Contours



0 0.1 0.2 0.4 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh

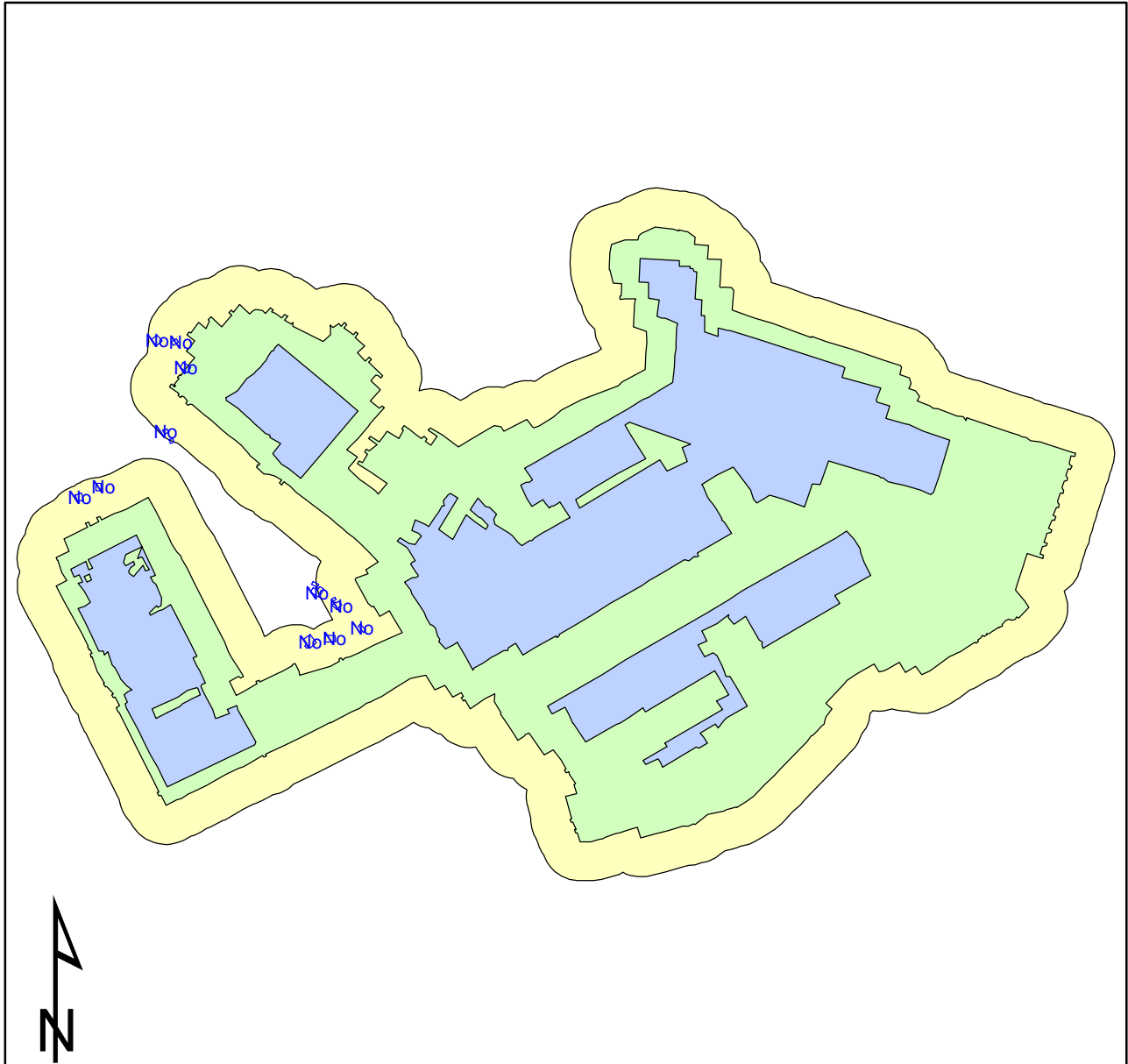


### Map Key

- Overburden Contour
- Pillar Recovery
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Titus Mine Mining Areas, 200-ft Buffer and Structures



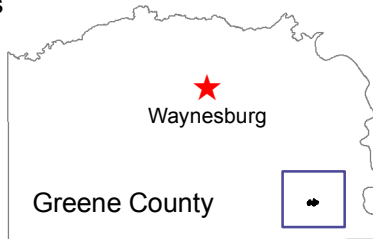
0 0.1 0.2 0.4 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh

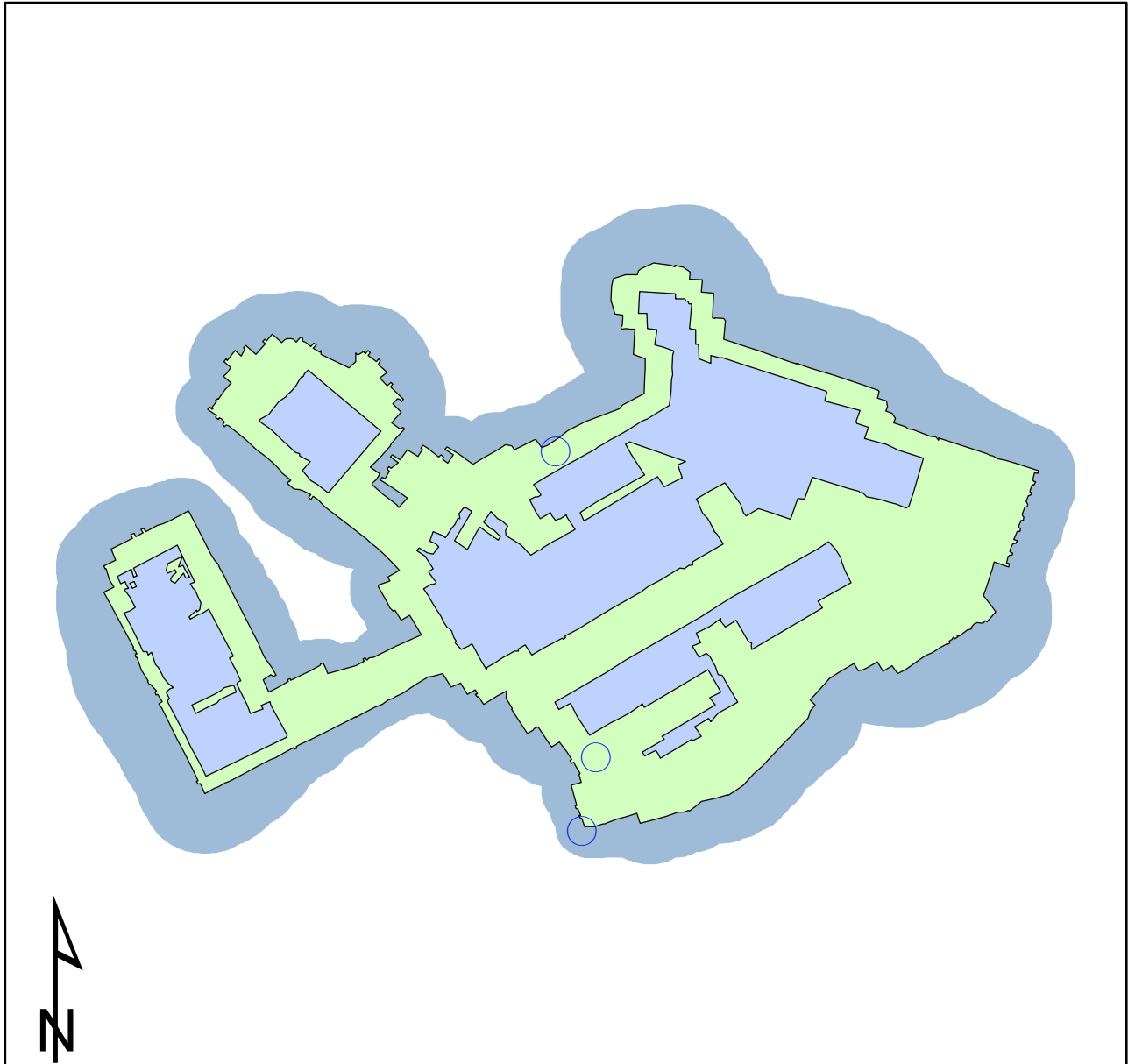


## Map Key

- No=Structures with no reported effects
- Pillar Recovery
- Room-and-Pillar
- 200-ft Buffer

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Titus Mine Mining Areas, Watersources and RPZ



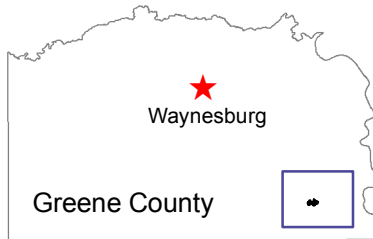
0 0.1 0.2 0.4 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



## Map Key

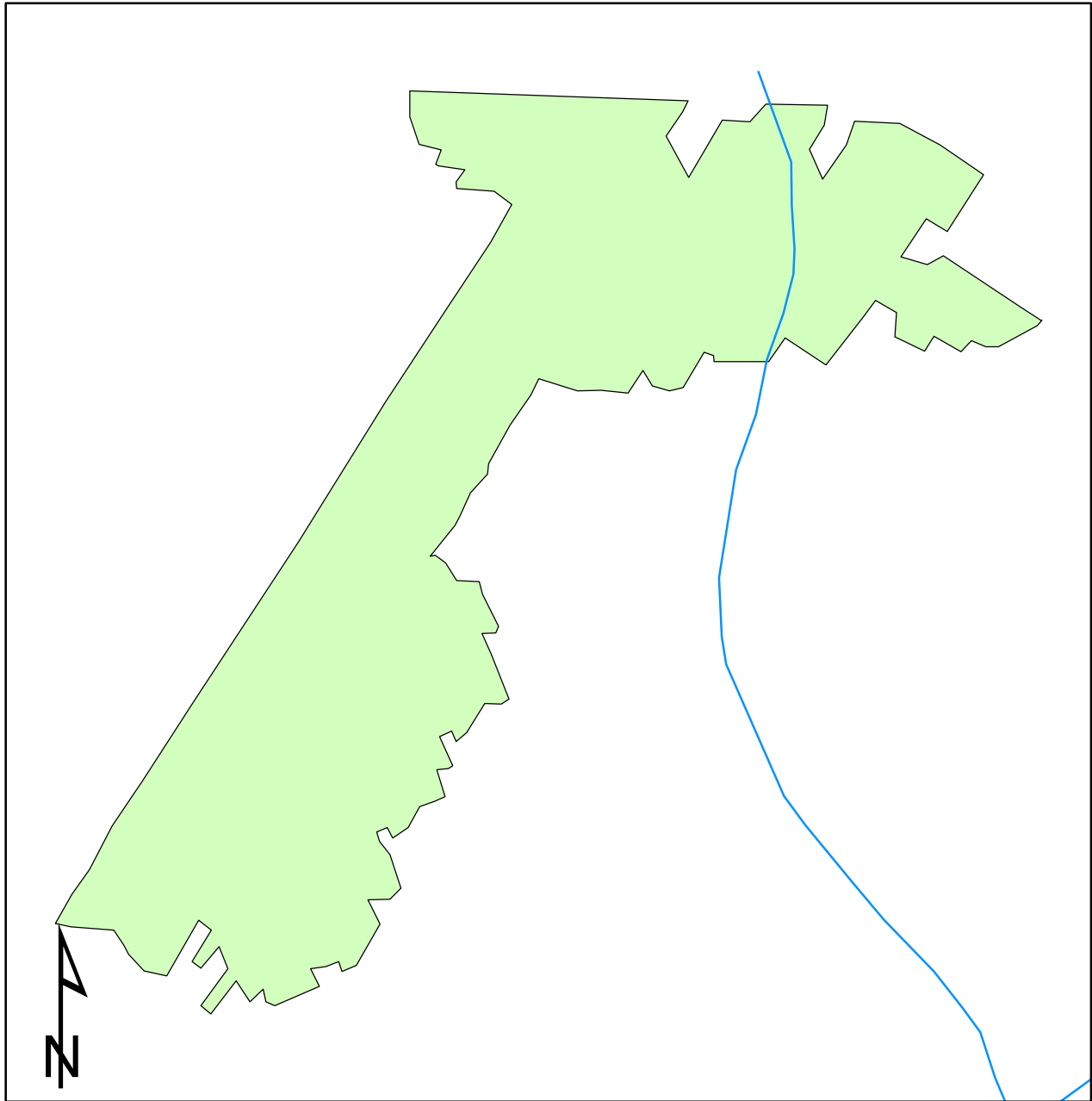
- Watersources with no reported effects
- Pillar Recovery
- Room-and-Pillar
- RPZ



Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# TJS No.4 Mine

## Mining Areas, Major Roads and Streams



0 0.03 0.06 0.12 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



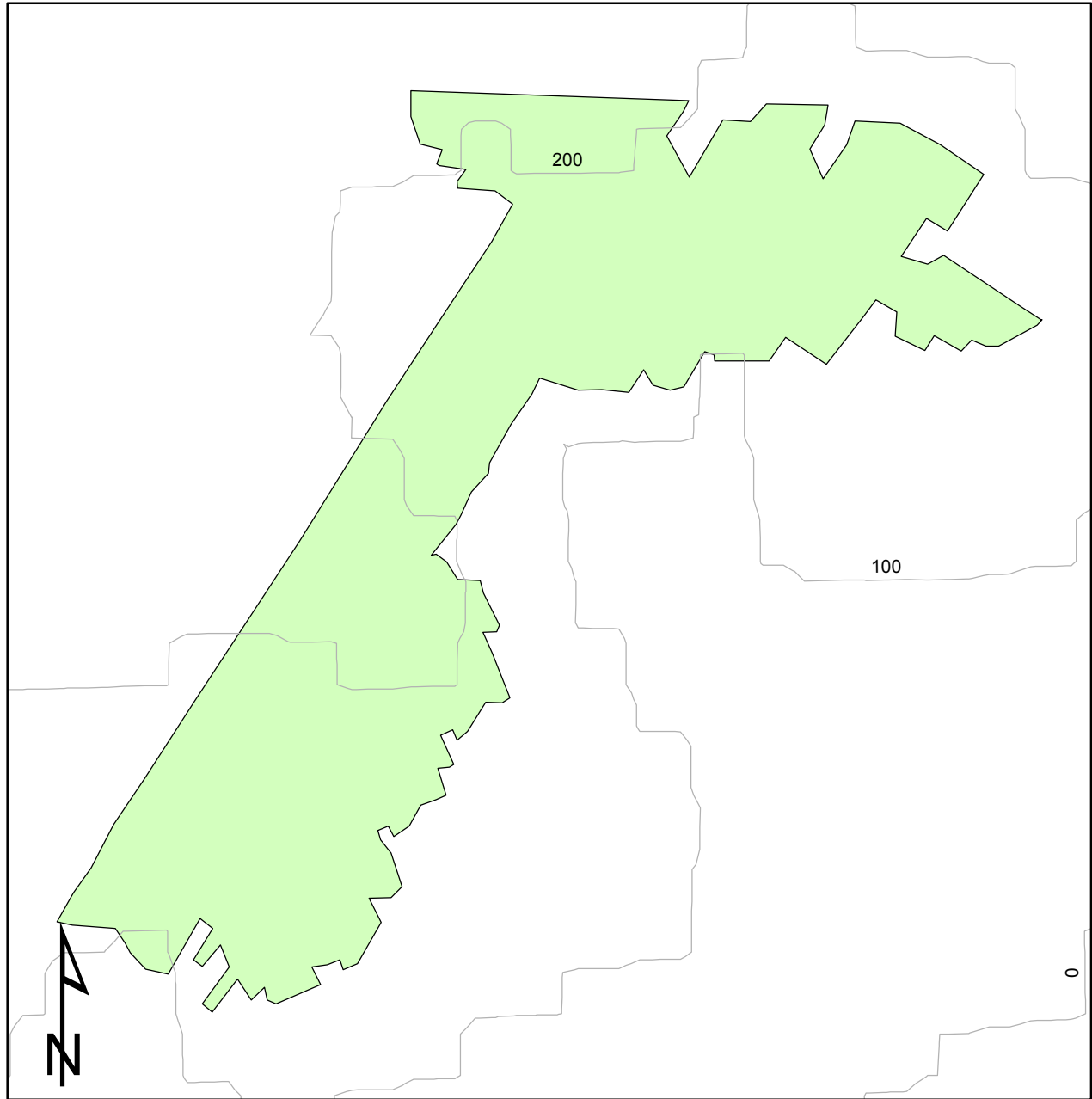
Armstrong County

### Map Key

- Highways
- Streams
- State Roads
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# TJS No.4 Mine Mining Areas and Overburden Contours



0 0.03 0.06 0.12 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



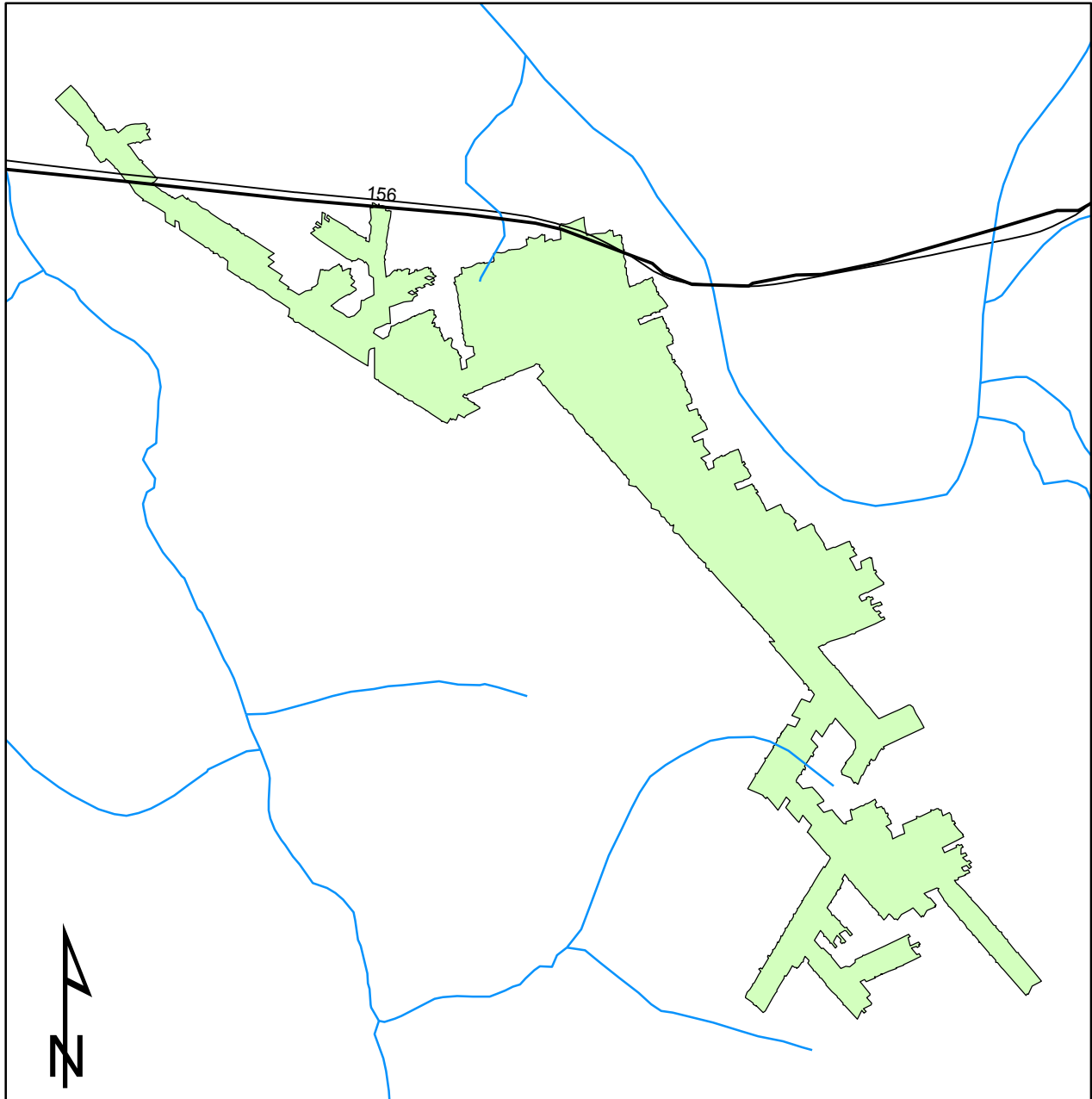
Armstrong County

## Map Key

- Overburden Contour
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# TJS No.5 Mine Mining Areas, Major Roads and Streams



0 0.125 0.25 0.5 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



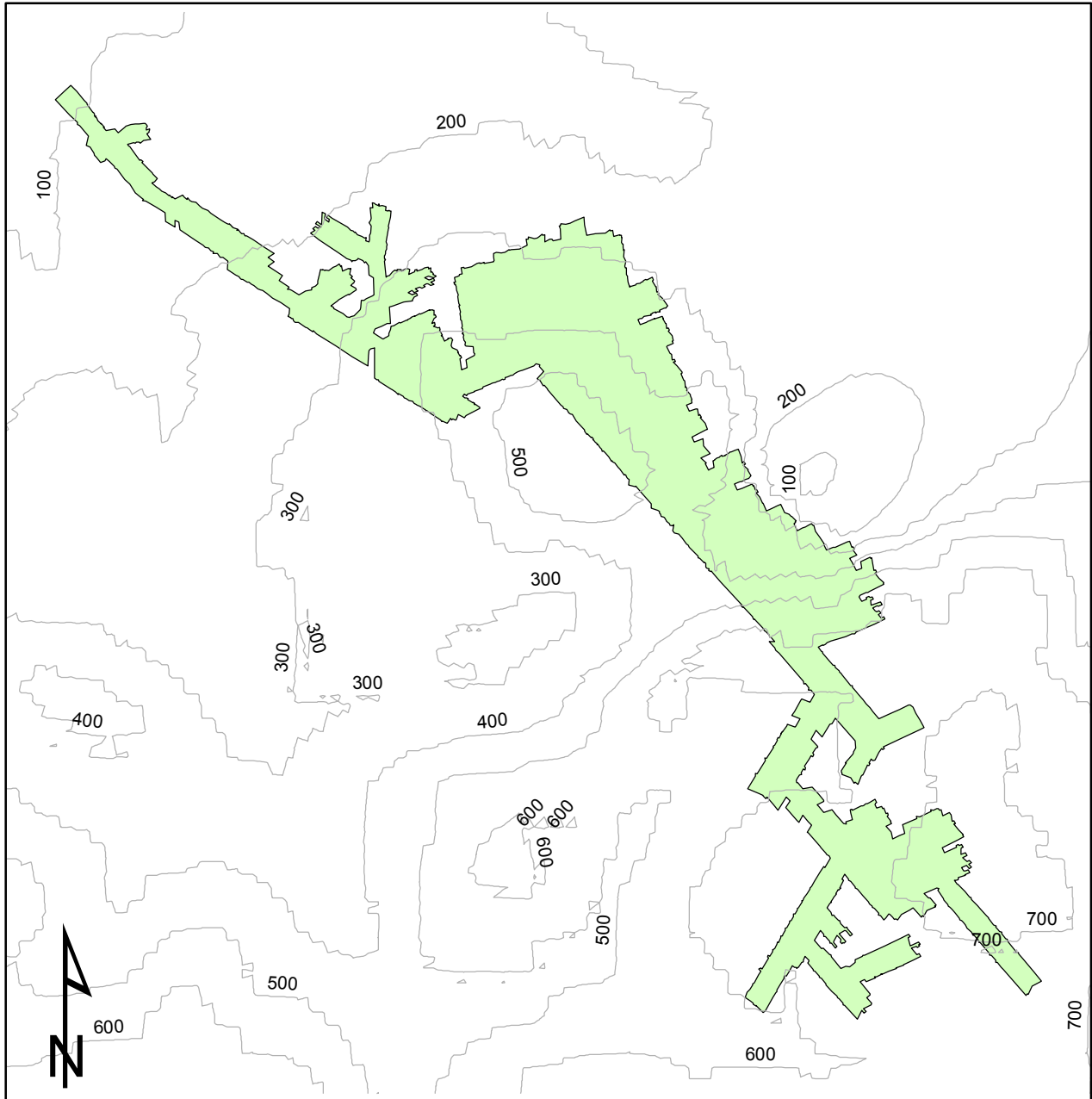
Armstrong County

### Map Key

- Highways
- Streams
- State Roads
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# TJS No.5 Mine Mining Areas and Overburden Contours



0 0.125 0.25 0.5 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



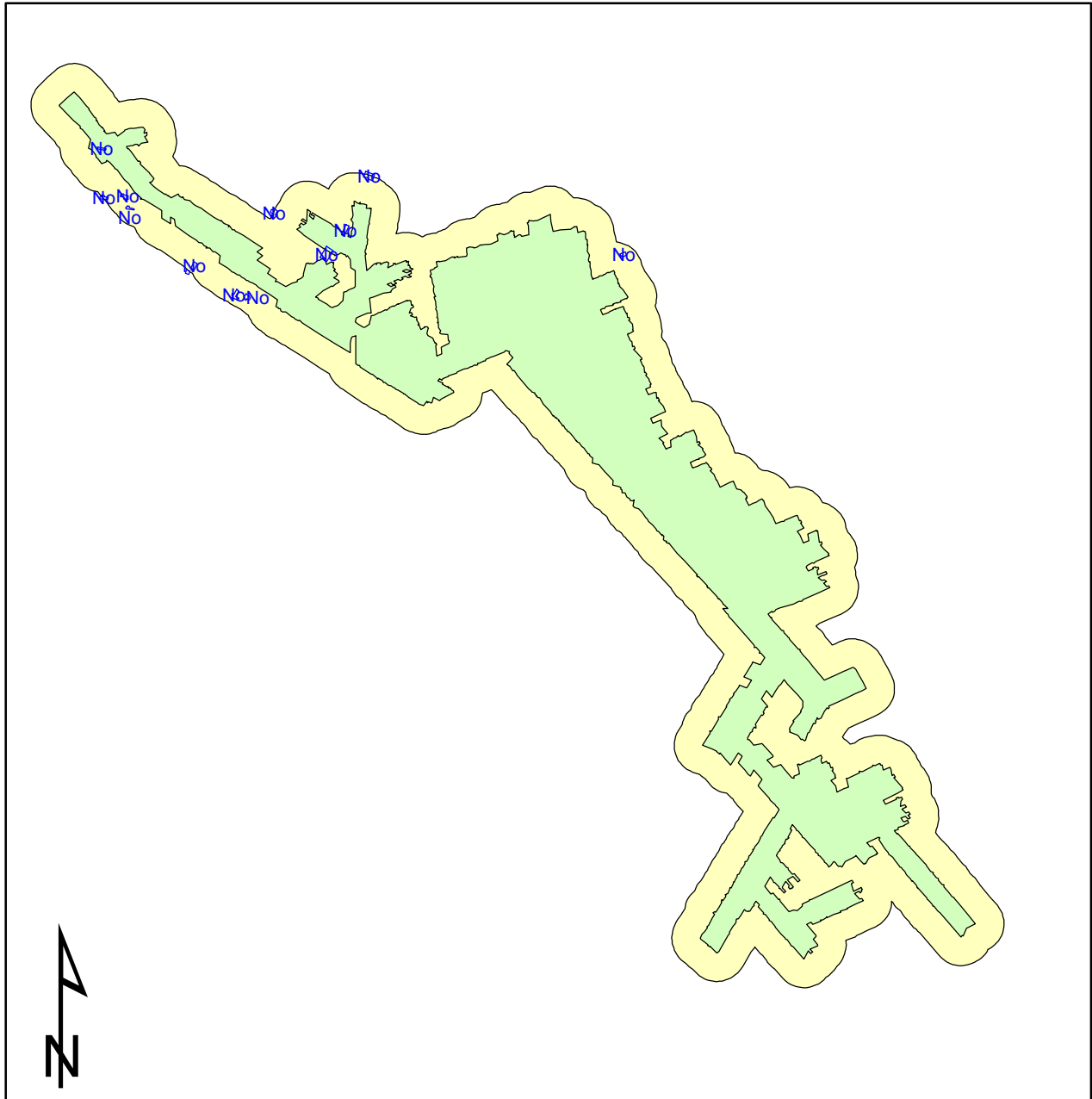
Armstrong County

### Map Key

- Overburden Contour
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# TJS No.5 Mine Mining Areas, 200-ft Buffer and Structures



0 0.125 0.25 0.5 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)






Prepared by:  
University of Pittsburgh



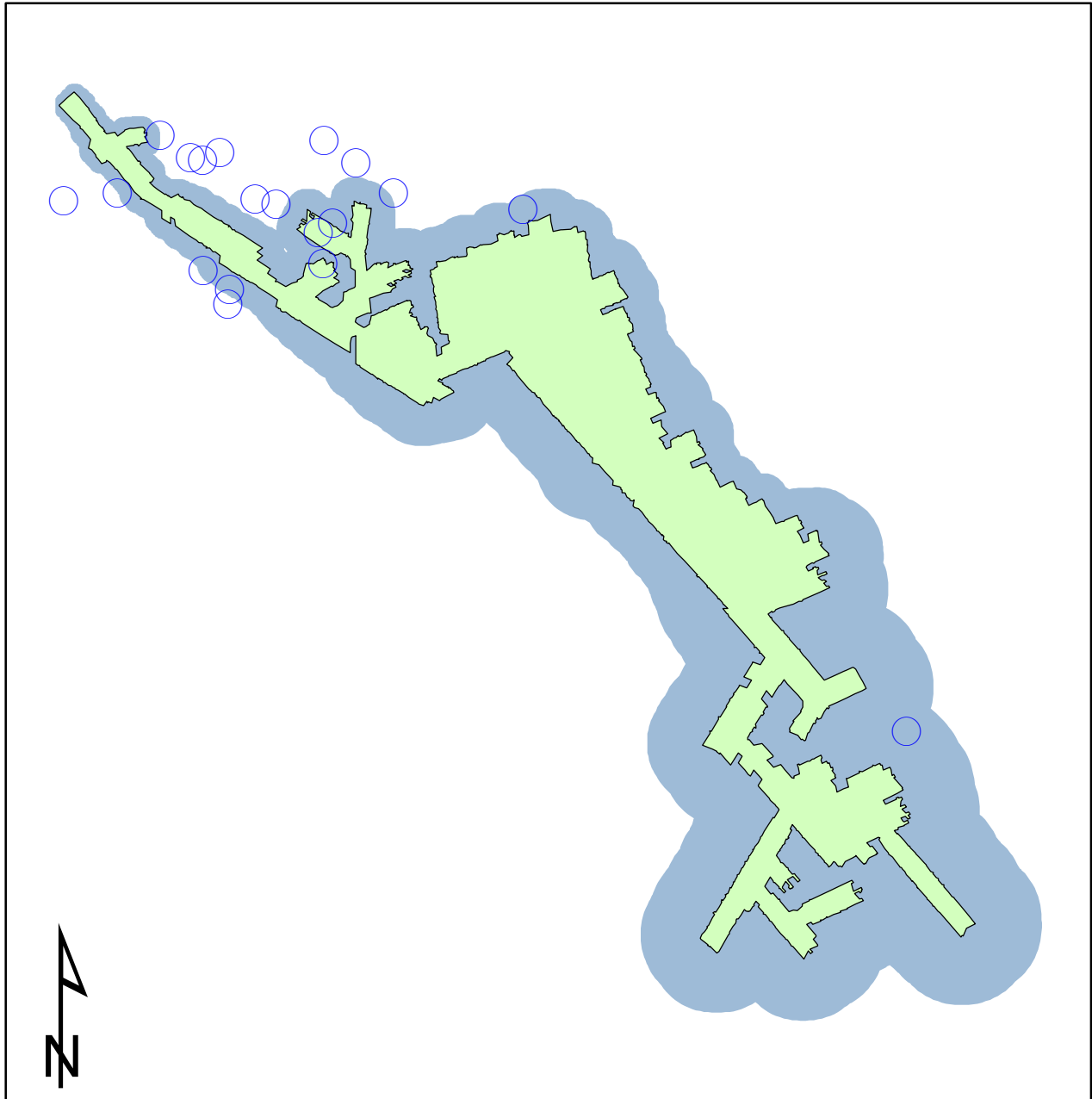
Armstrong County

### Map Key

-  No=Structures with no reported effects
-  Room-and-Pillar
-  200-ft Buffer

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# TJS No.5 Mine Mining Areas, Watersources and RPZ



0 0.125 0.25 0.5 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



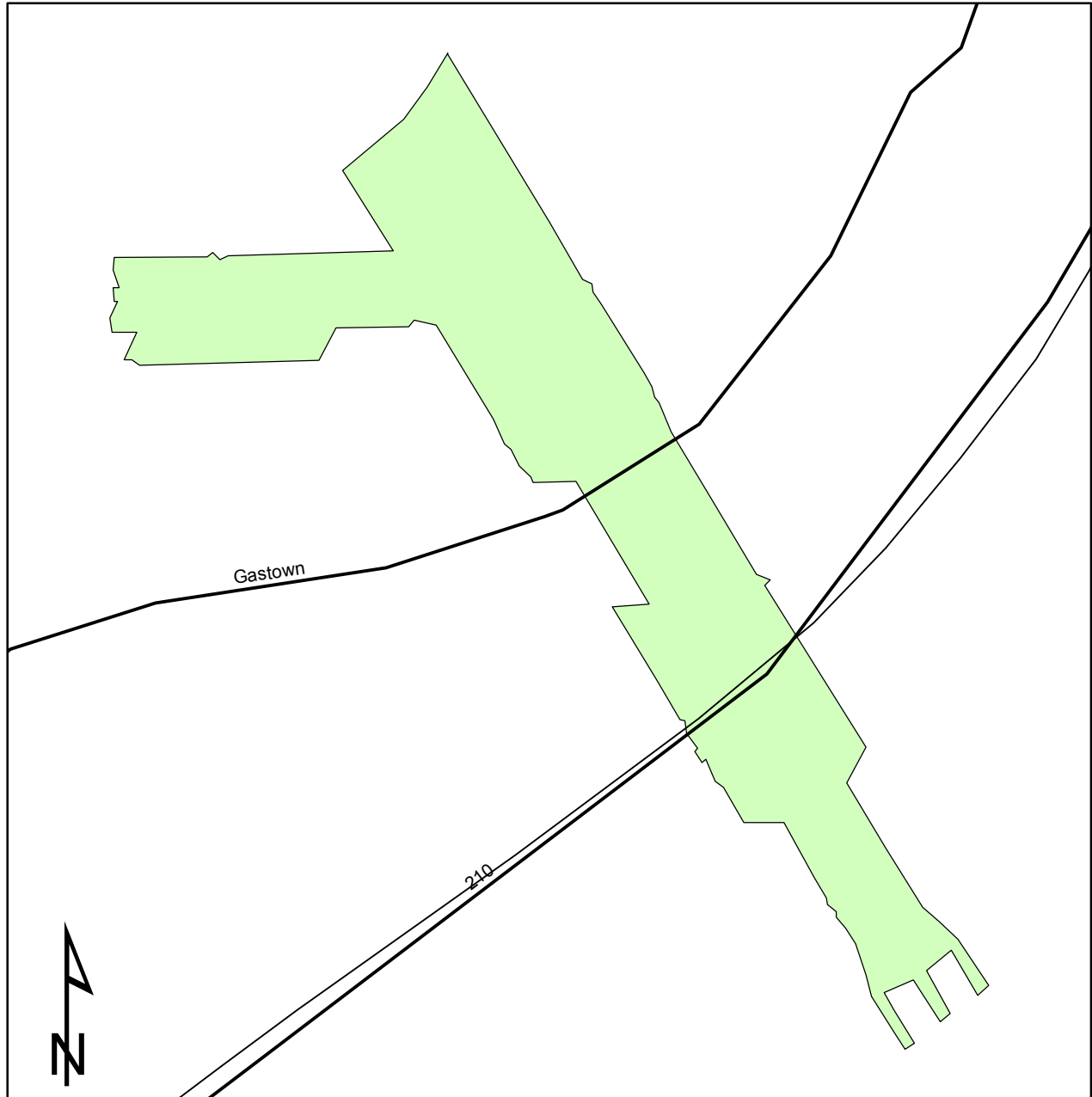
Armstrong County

### Map Key

- Watersources with no reported effects
- Room-and-Pillar
- RPZ

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# TJS No.6 Mine Mining Areas, Major Roads and Streams



0 0.03 0.06 0.12 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



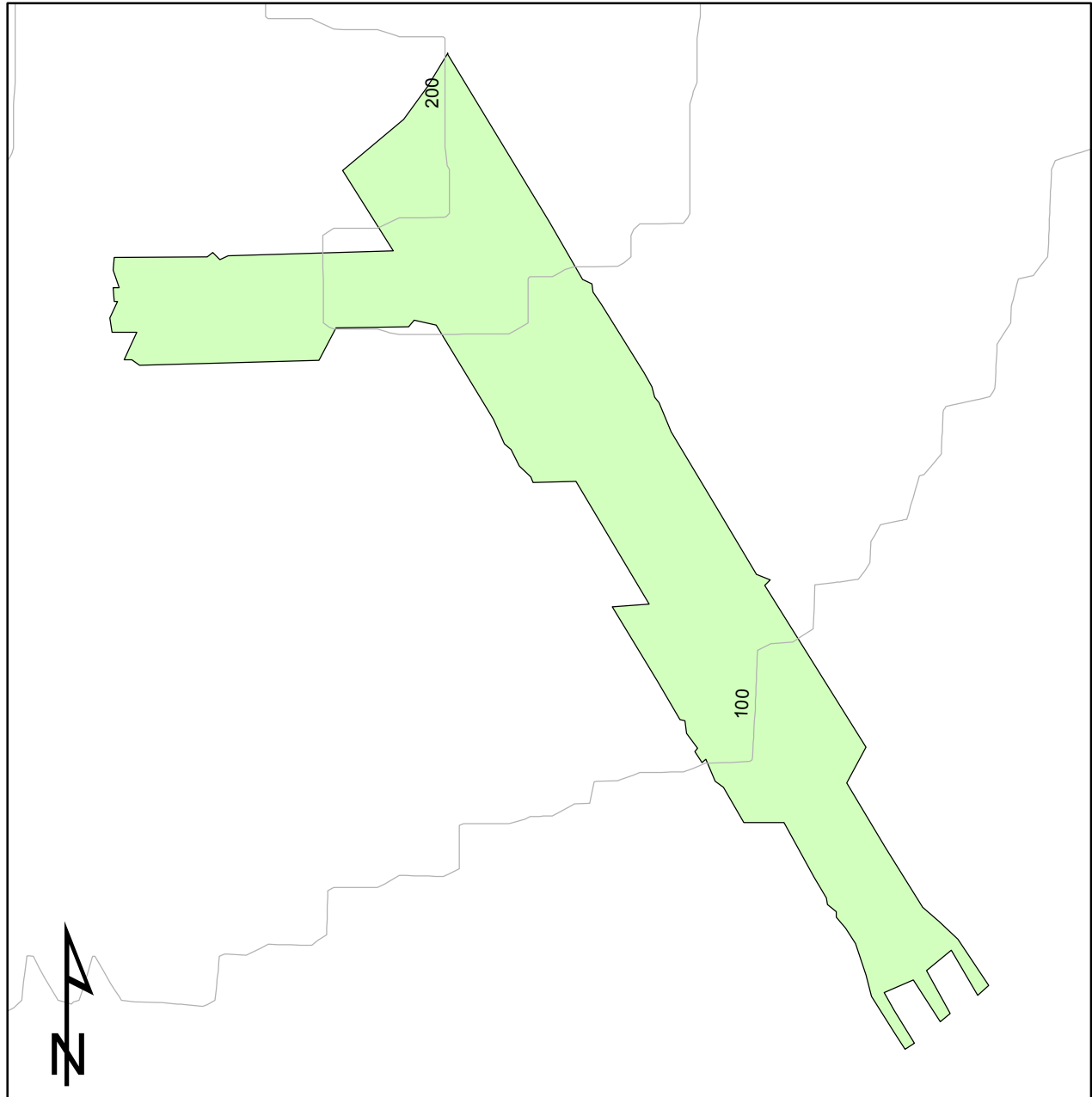
Armstrong County

### Map Key

- Highways
- Streams
- State Roads
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# TJS No.6 Mine Mining Areas and Overburden Contours



0 0.03 0.06 0.12 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



Armstrong County

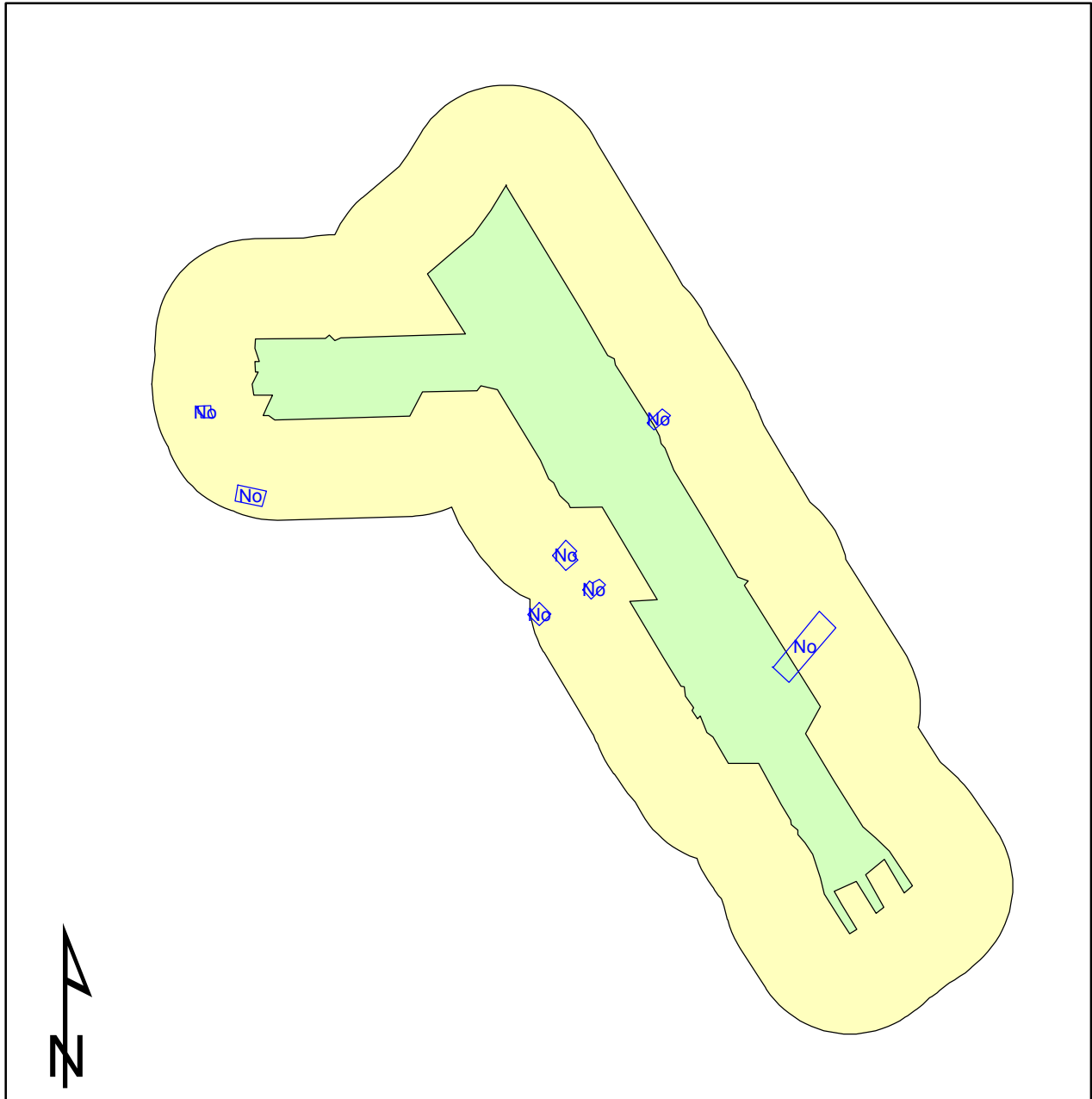
### Map Key

- Overburden Contour
- Room-and-Pillar



Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# TJS No.6 Mine Mining Areas, 200-ft Buffer and Structures



0 0.0375 0.075 0.15 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



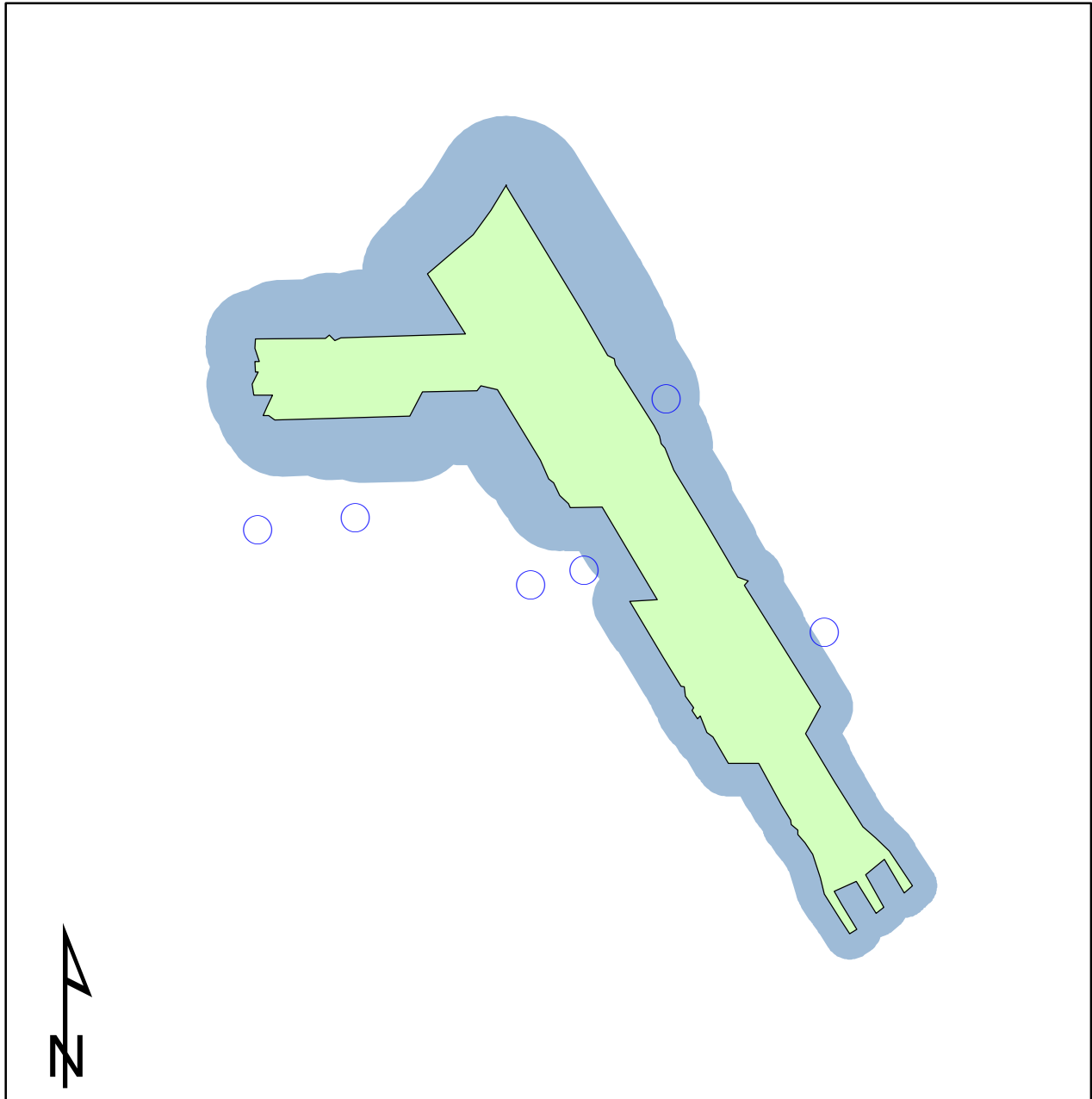
Armstrong County

### Map Key

- No=Structures with no reported affects
- Room-and-Pillar
- 200-ft Buffer

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# TJS No.6 Mine Mining Areas, Watersources and RPZ



0 0.0375 0.075 0.15 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



Armstrong County

## Map Key

- Watersources with no reported effects
- Room-and-Pillar
- RPZ

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Toms Run Mine Mining Areas, Major Roads and Streams



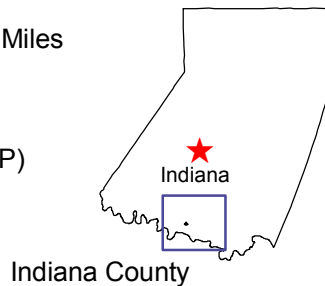
0 0.05 0.1 0.2 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



### Map Key

- Highways
- Streams
- State Roads
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Toms Run Mine Mining Areas and Overburden Contours



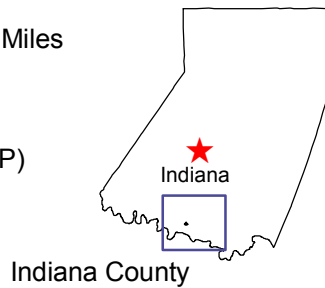
0 0.05 0.1 0.2 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh

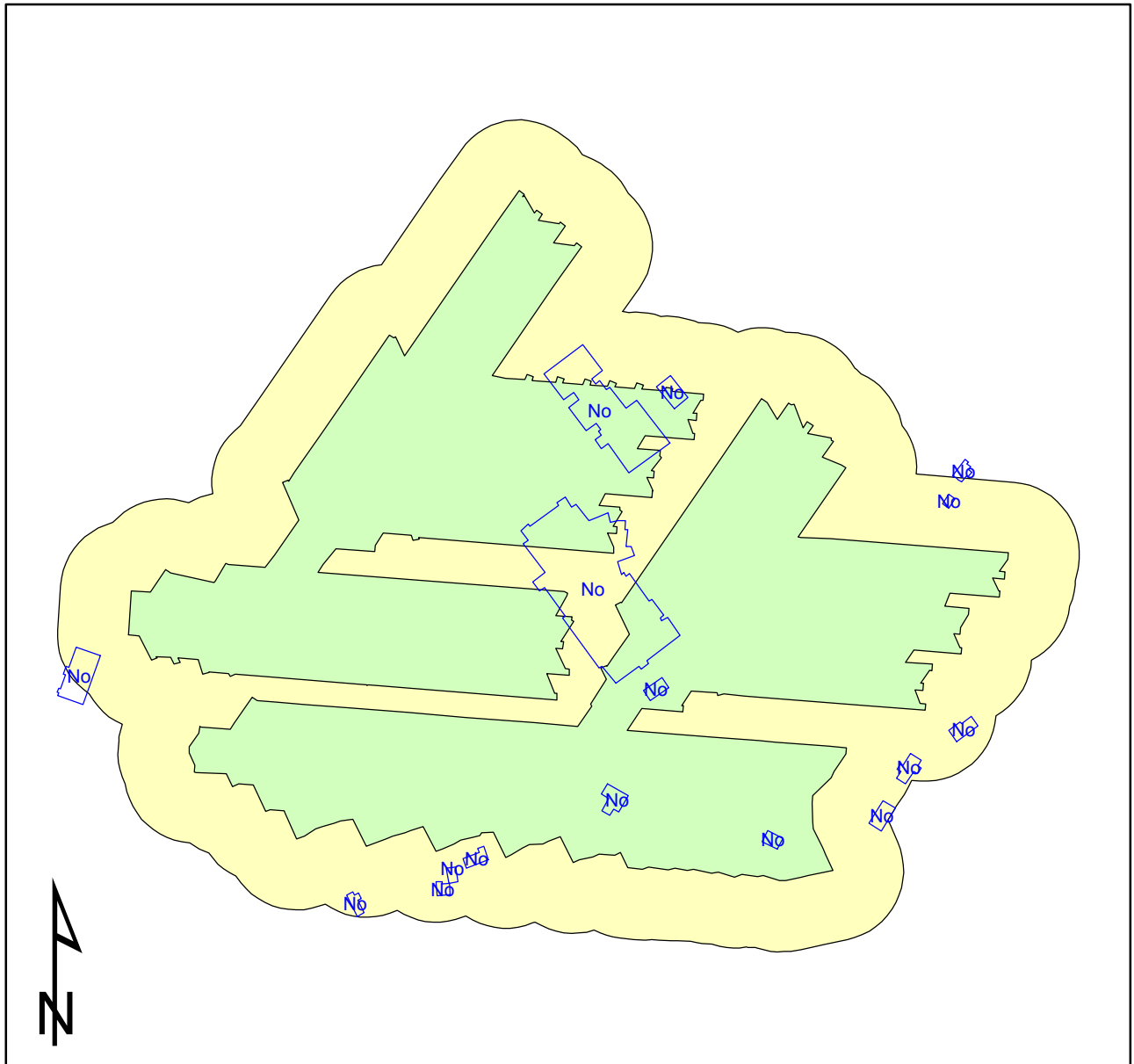


### Map Key

- Overburden Contour
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Toms Run Mine Mining Areas, 200-ft Buffer and Structures



0 0.05 0.1 0.2 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



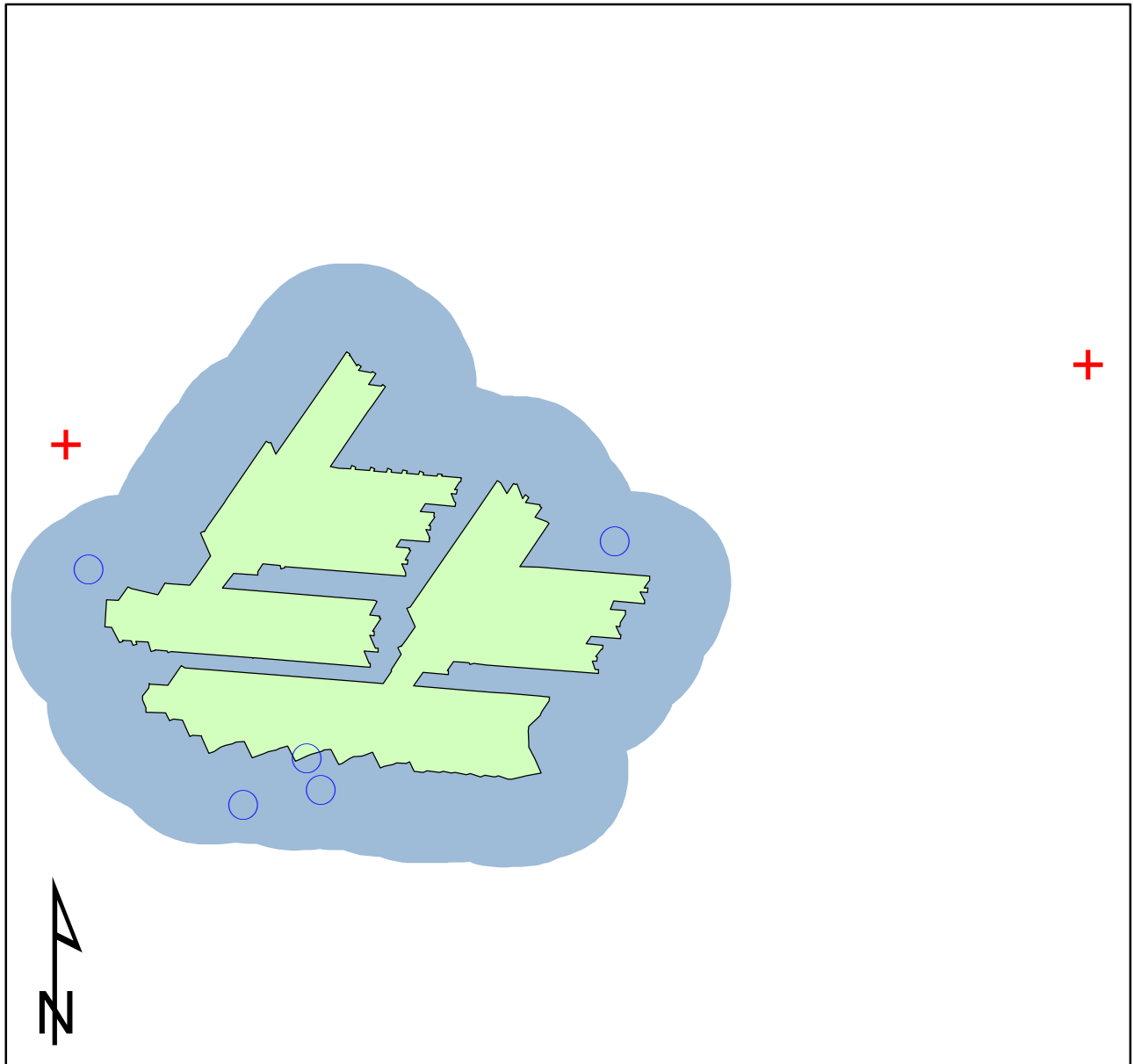
Indiana County

### Map Key

- No=Structures with no reported effects
- Room-and-Pillar
- 200-ft Buffer

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Toms Run Mine Mining Areas, Watersources and RPZ



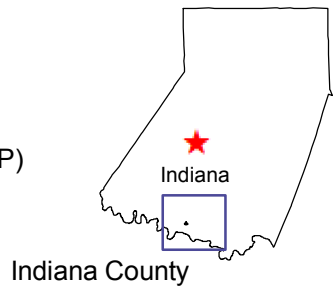
0 0.05 0.1 0.2 Miles







Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh

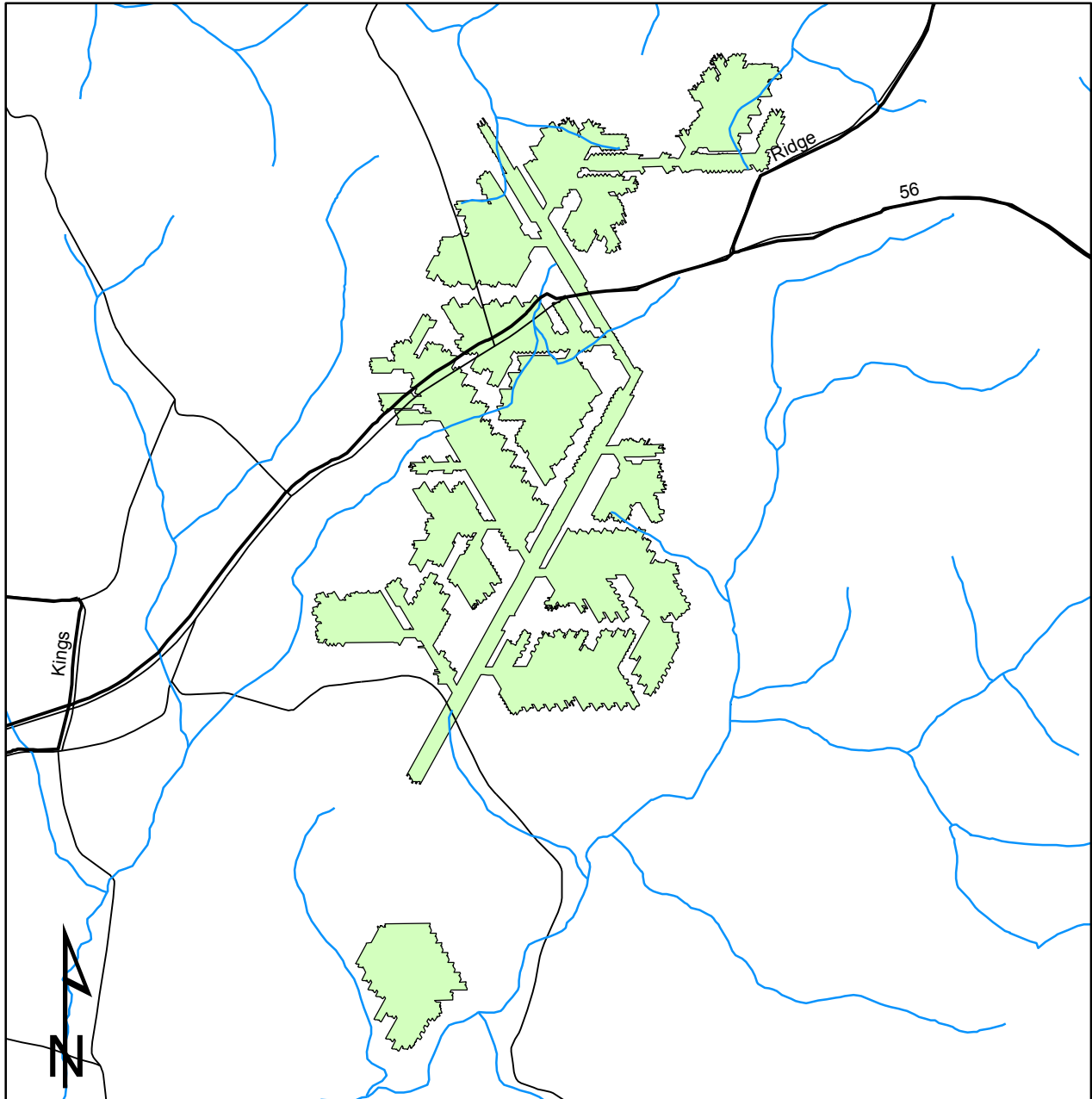


### Map Key

-  *Watersources with reported effects*
-  *Watersources with no reported effects*
-  Room-and-Pillar
-  RPZ

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Tracy Lynne Mine Mining Areas, Major Roads and Streams



0 0.3 0.6 1.2 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



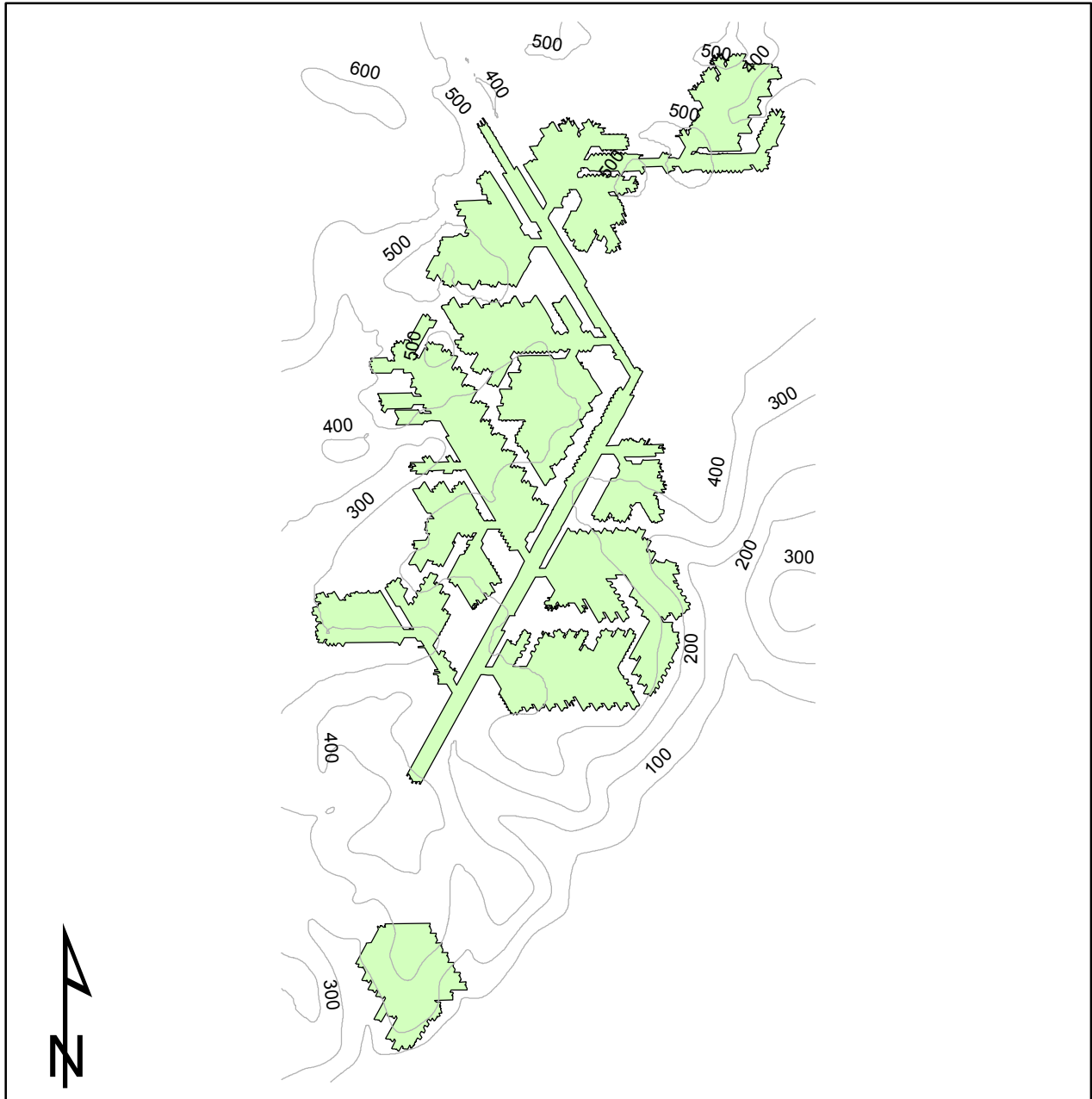
Armstrong County

### Map Key

- Highways
- Streams
- State Roads
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Tracy Lynne Mine Mining Areas and Overburden Contours



0 0.3 0.6 1.2 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



Armstrong County

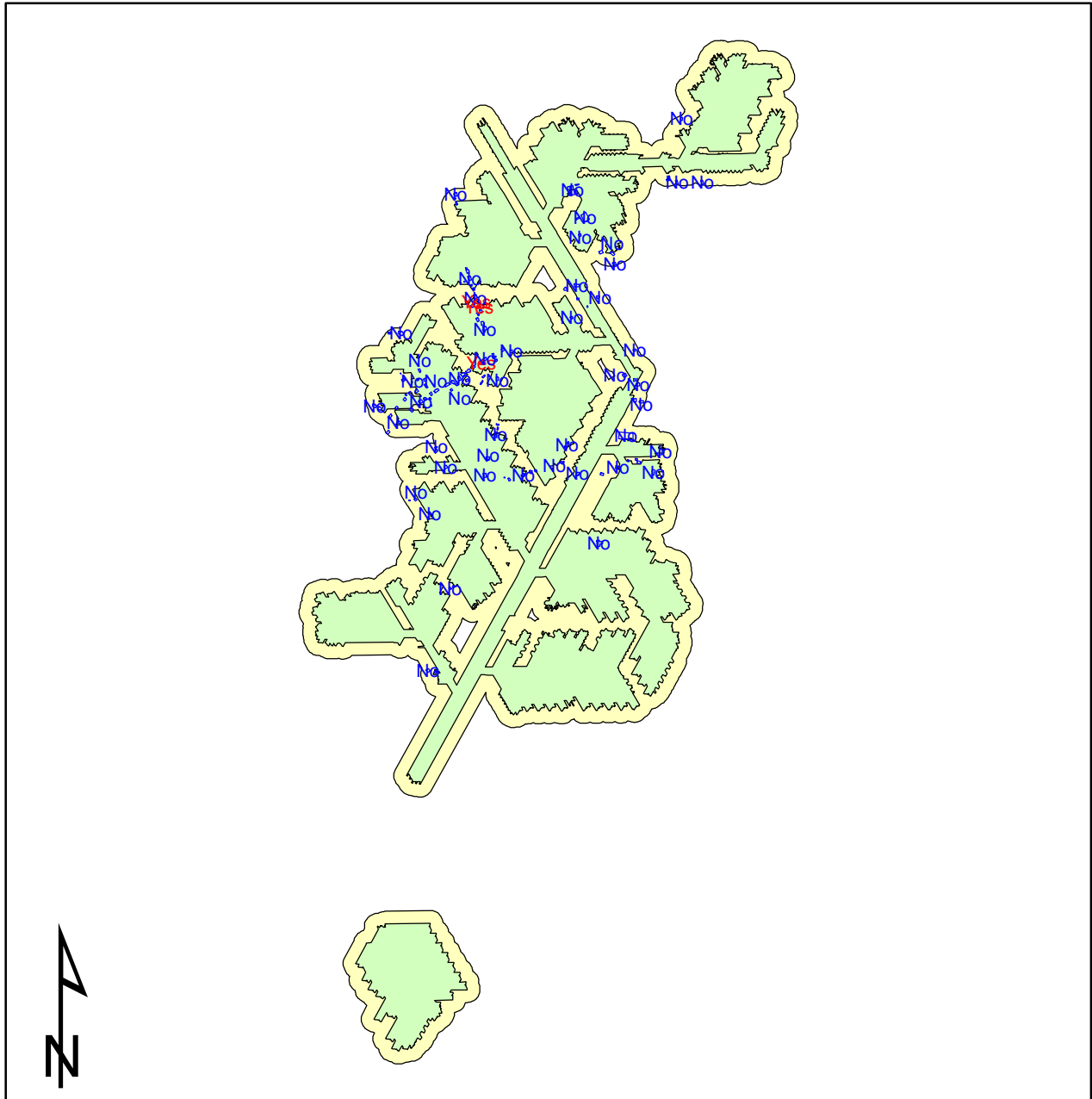
### Map Key

- Overburden Contour
- Room-and-Pillar



Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Tracy Lynne Mine Mining Areas, 200-ft Buffer and Structures



0 0.3 0.6 1.2 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



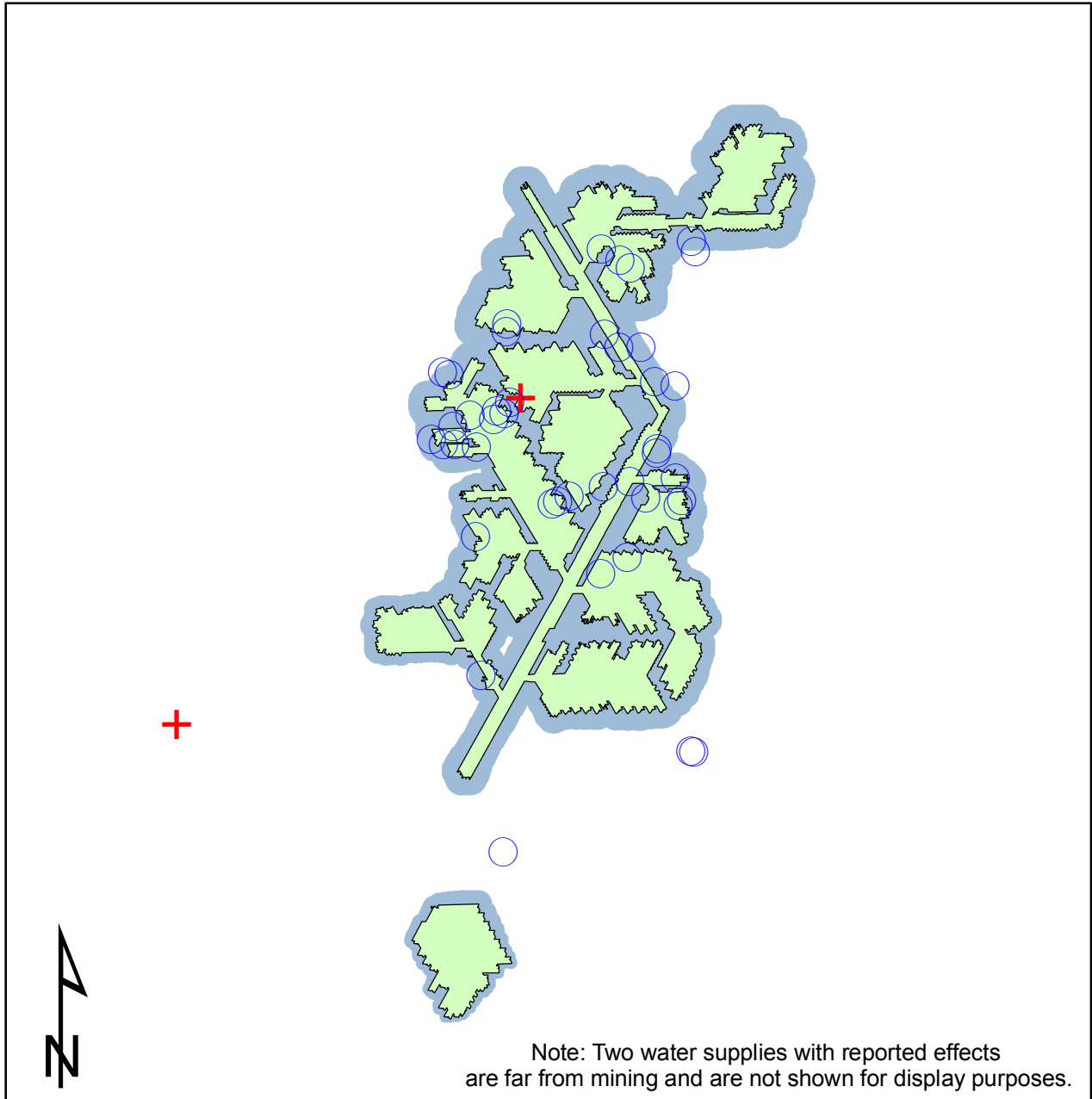
Armstrong County

### Map Key

- Yes=Structures with reported effects
- No=Structures with no reported effects
- Room-and-Pillar
- 200-ft Buffer

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Tracy Lynne Mine Mining Areas, Watersources and RPZ



0 0.2 0.4 0.8 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



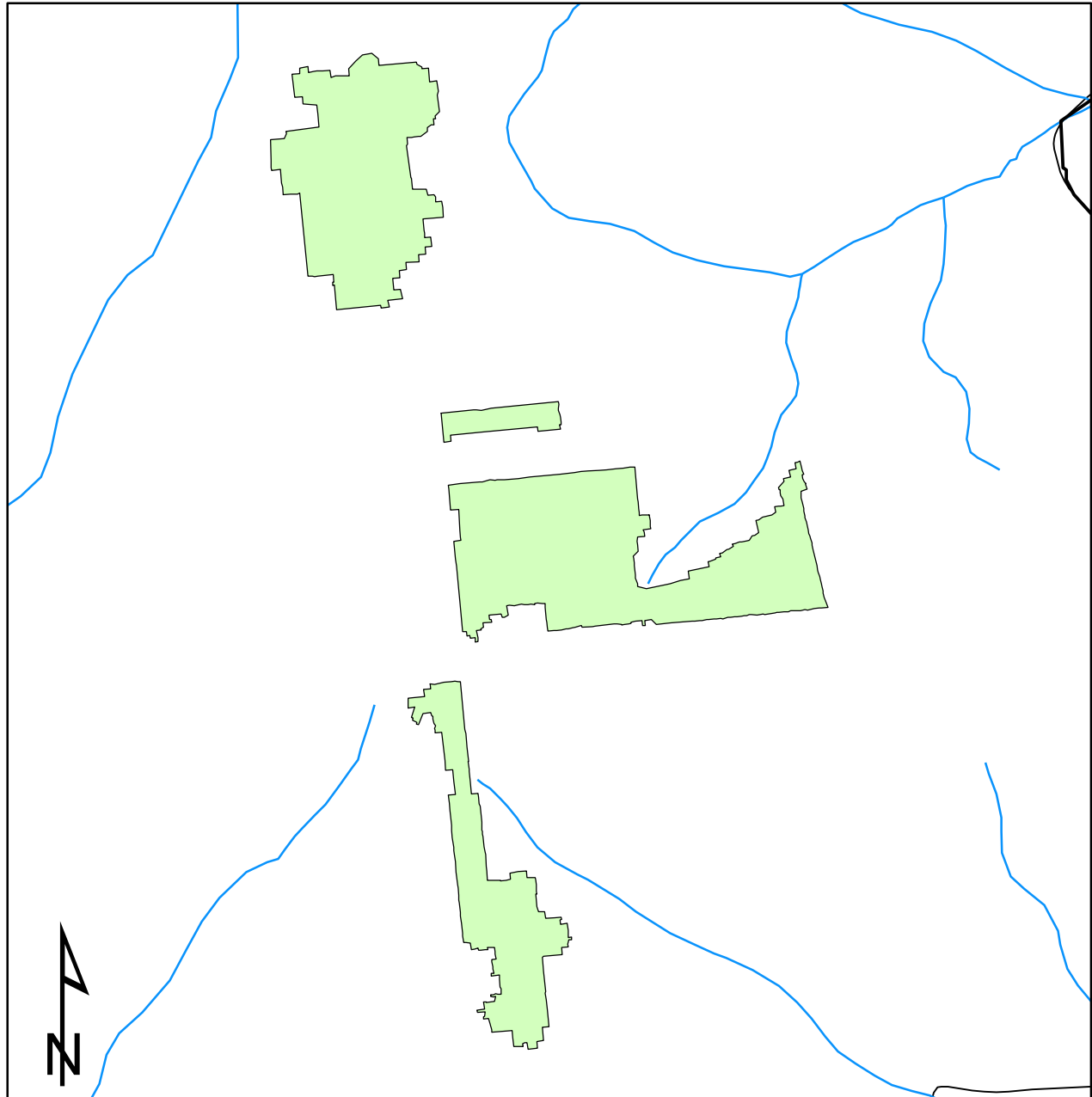
Armstrong County

### Map Key

- Watersources with no reported effects
- ⊕ Watersources with reported effects
- Room-and-Pillar
- RPZ

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Triple K No.1 Mine Mining Areas, Major Roads and Streams



0 0.15 0.3 0.6 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



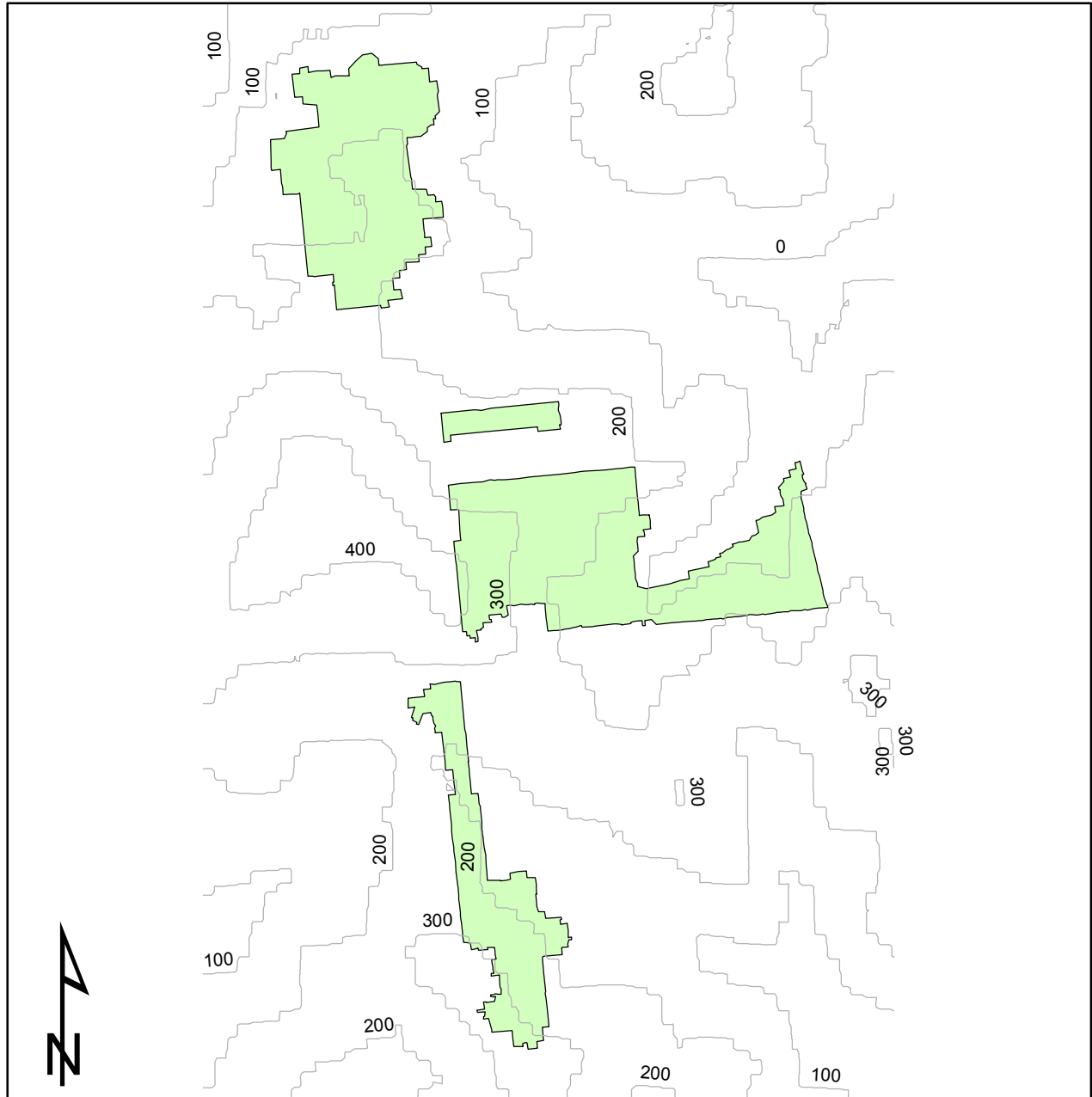
Armstrong County

### Map Key

- Highways
- Streams
- State Roads
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Triple K No.1 Mine Mining Areas and Overburden Contours



0 0.15 0.3 0.6 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



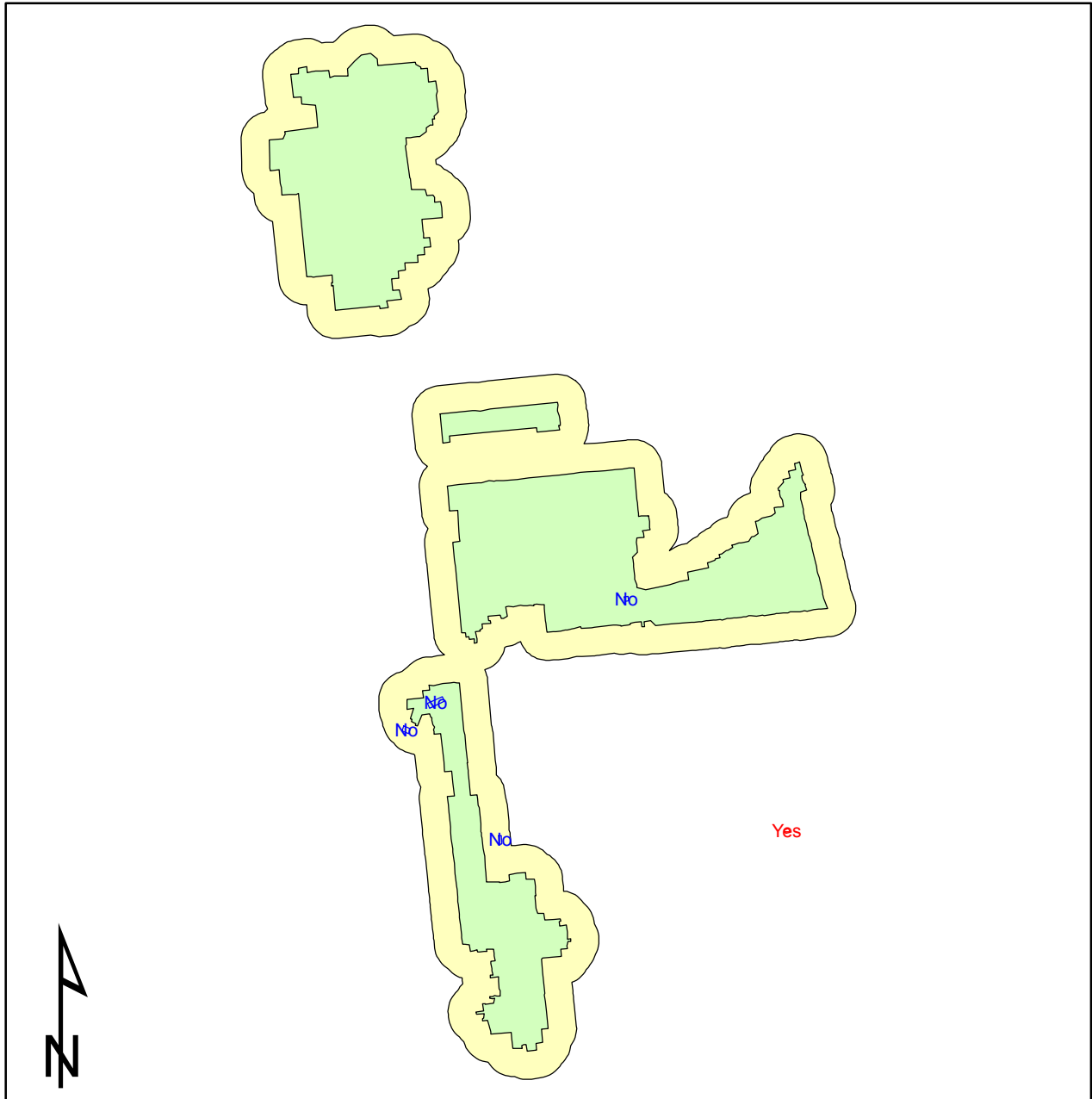
Armstrong County

### Map Key

- Overburden Contour
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Triple K No.1 Mine Mining Areas, 200-ft Buffer and Structures



0 0.15 0.3 0.6 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



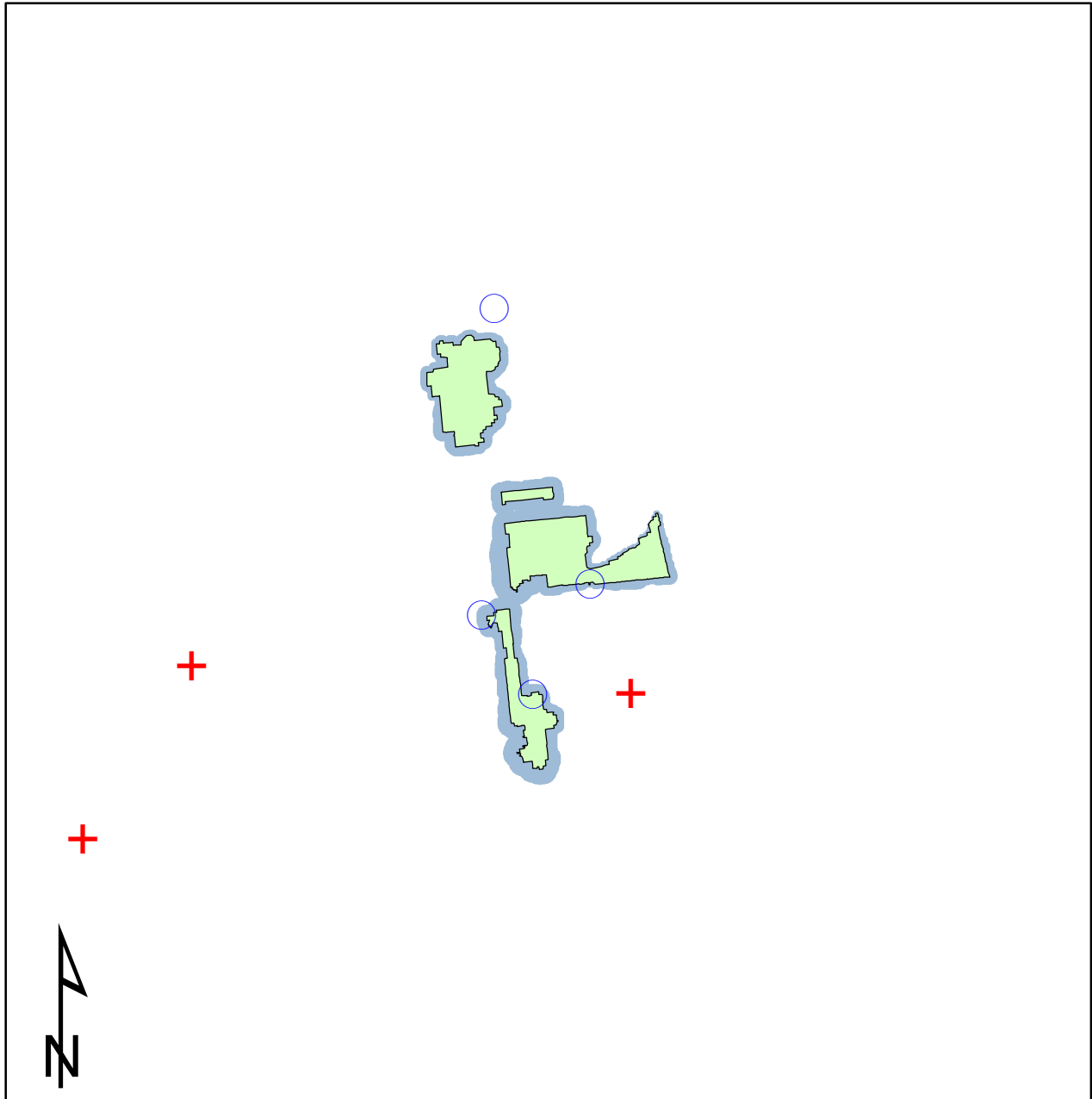
Armstrong County

### Map Key

- Yes=Structures with reported effects
- No=Structures with no reported effects
- Room-and-Pillar
- 200-ft Buffer

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Triple K No 1 Mine Mining Areas, Watersources and RPZ



0 0.25 0.5 1 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



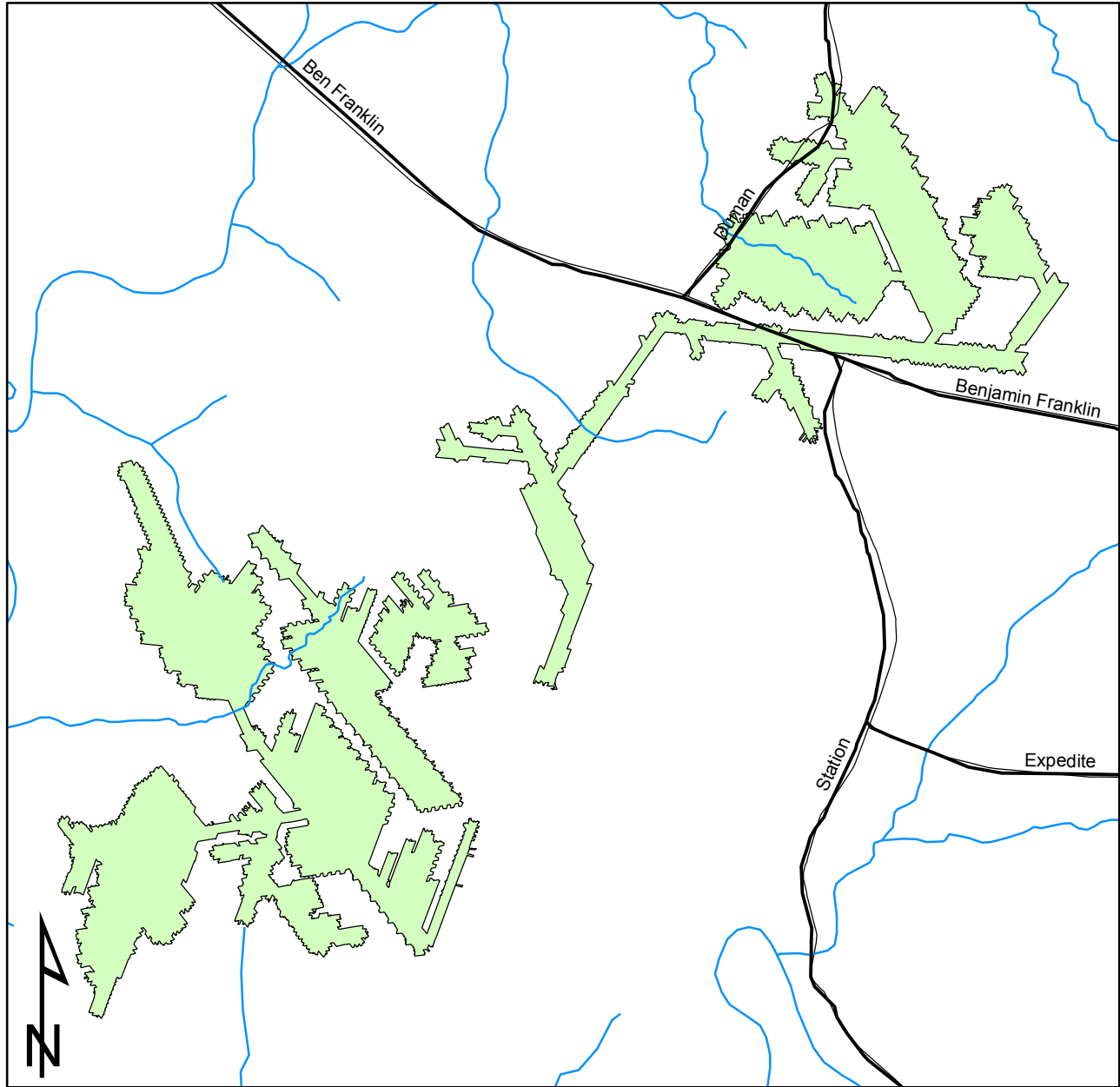
Armstrong County

### Map Key

- Watersources with reported effects
- Watersources with no reported effects
- Room-and-Pillar
- RPZ

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Twin Rocks Mine Mining Areas, Major Roads and Streams



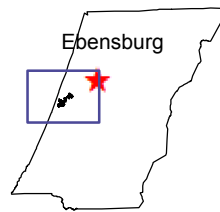
0 0.25 0.5 1 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



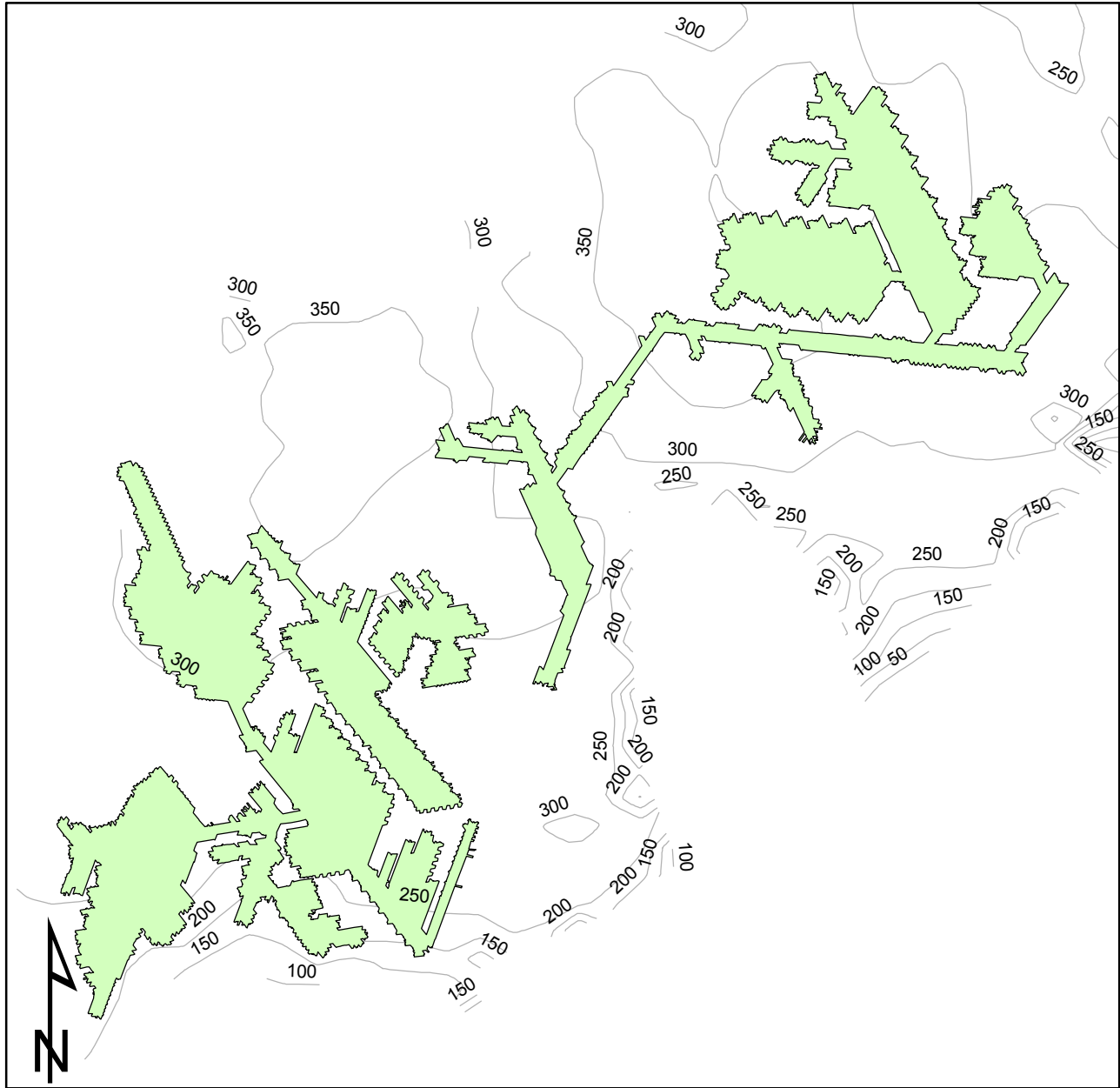
Cambria County

### Map Key

- Highways
- Streams
- State Roads
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Twin Rocks Mine Mining Areas and Overburden Contours



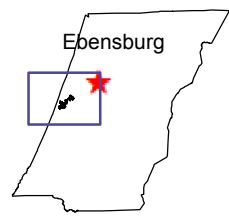
0 0.25 0.5 1 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)





Prepared by:  
University of Pittsburgh



Cambria County

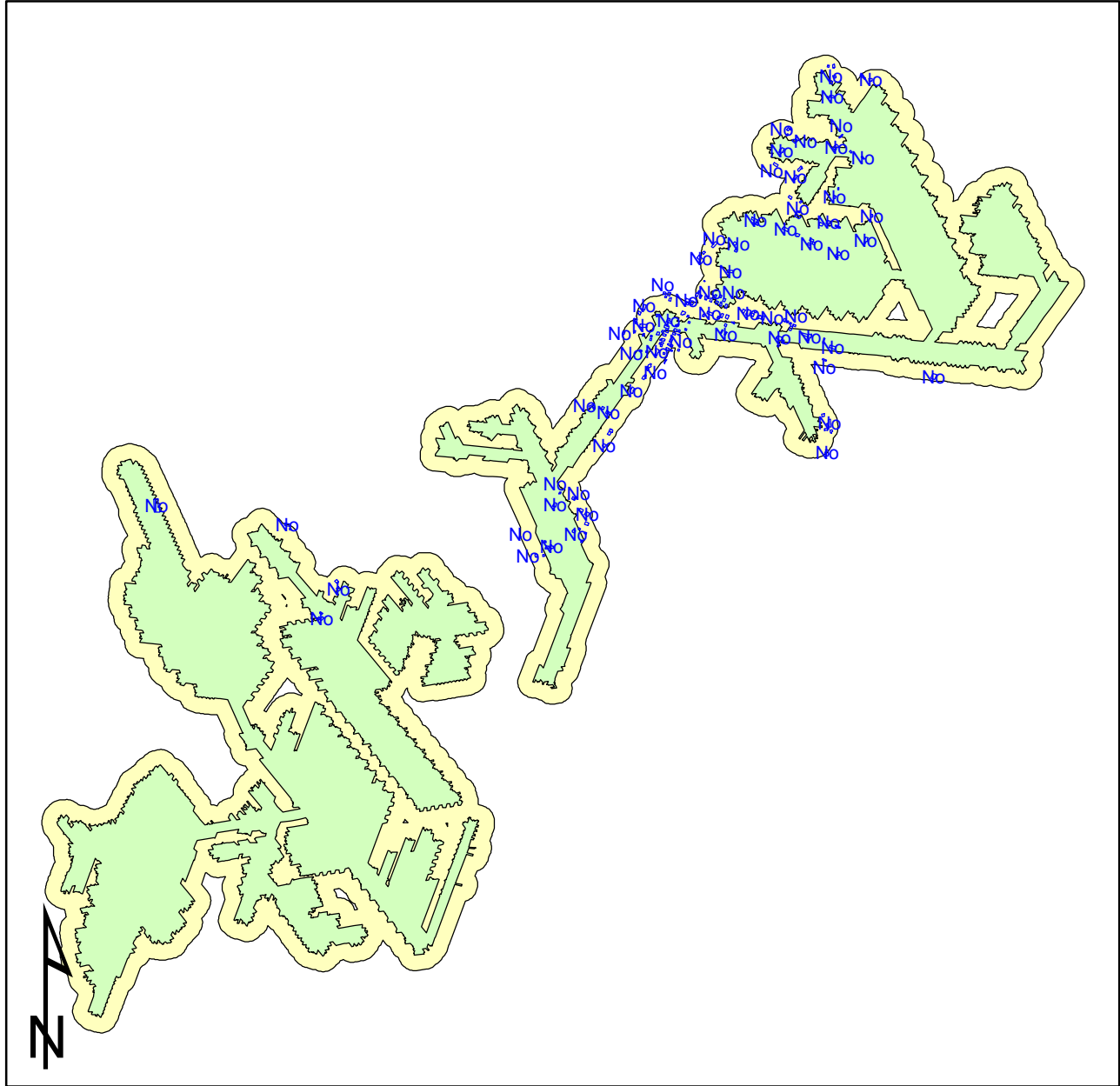
### Map Key

-  Room-and-Pillar
-  Overburden Contour



Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Twin Rocks Mine Mining Areas, 200-ft Buffer and Structures



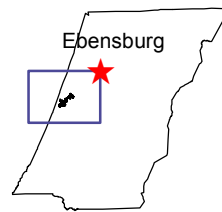
0 0.25 0.5 1 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



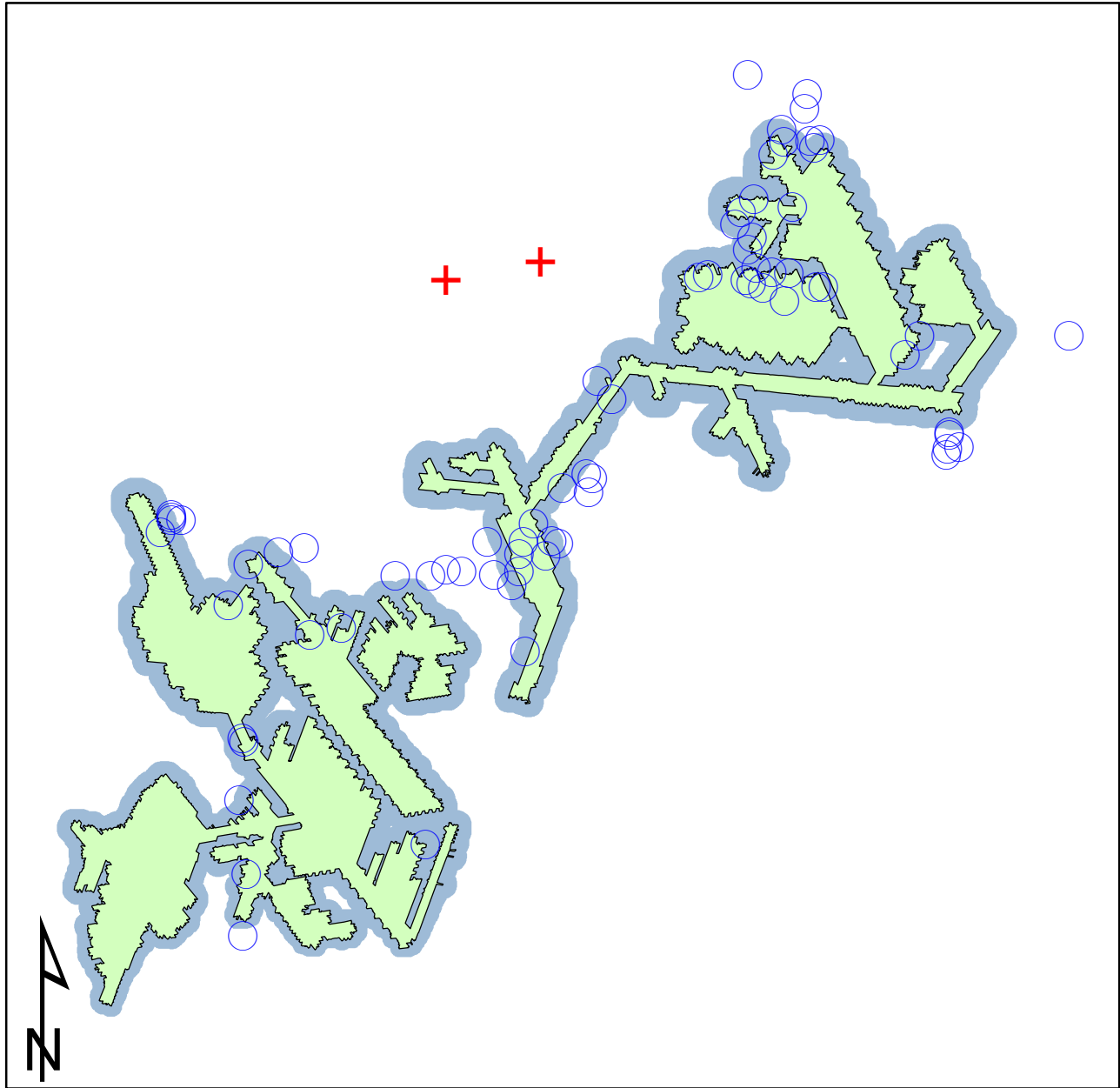
Cambria County

### Map Key

- No=Structures with no reported effects
- Room-and-Pillar
- 200-ft Buffer

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Twin Rocks Mine Mining Areas, Watersources and RPZ



0 0.25 0.5 1 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)







Prepared by:  
University of Pittsburgh



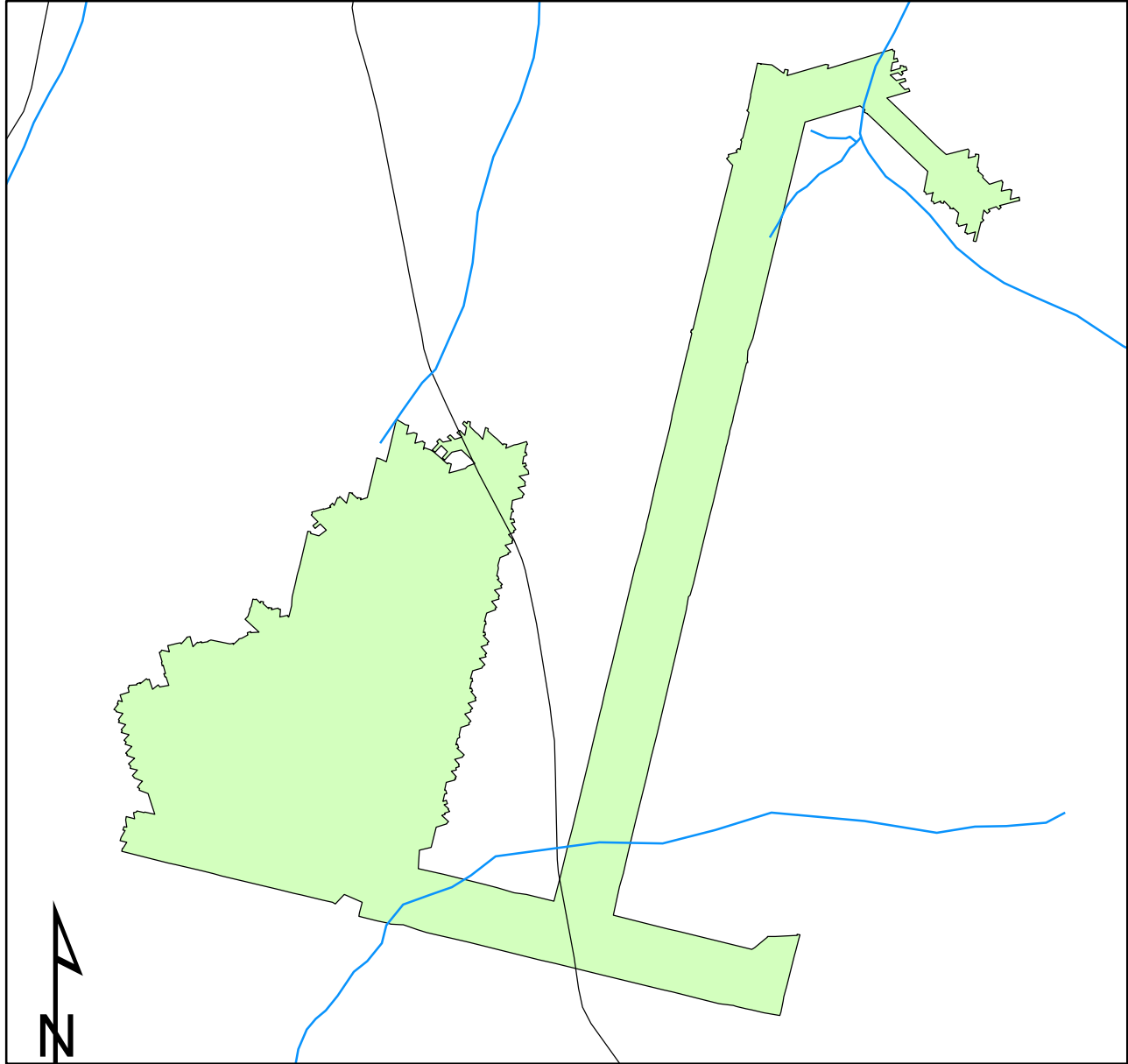
Cambria County

### Map Key

-  *Watersources with reported effects*
-  *Watersources with no reported effects*
-  Room-and-Pillar
-  RPZ

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Windber No.78 Mine Mining Areas, Major Roads and Streams



0 0.1 0.2 0.4 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



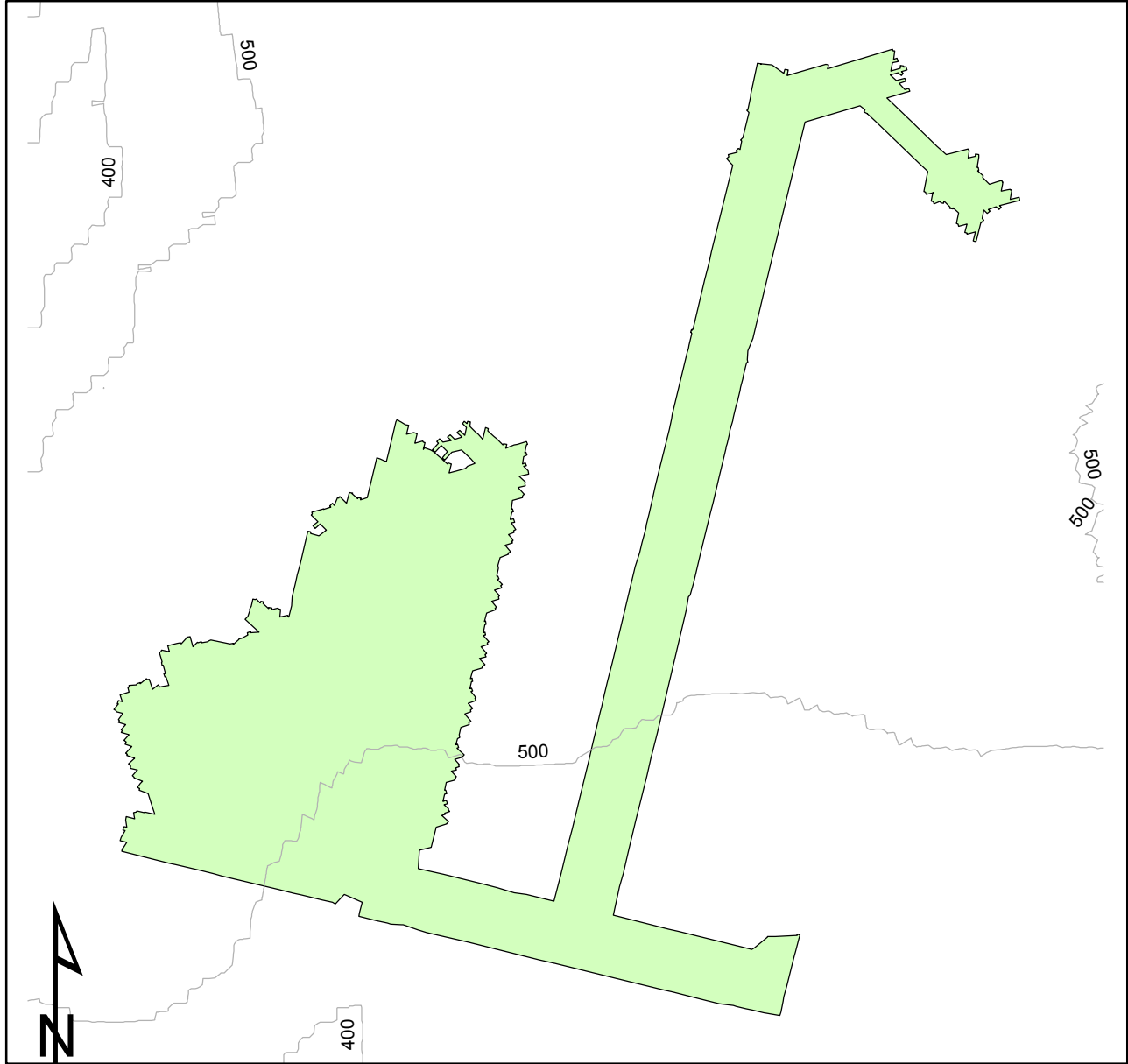
Cambria County

### Map Key

- Highways
- Streams
- State Roads
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Windber No.78 Mine Mining Areas and Overburden Contours



0 0.1 0.2 0.4 Miles



Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



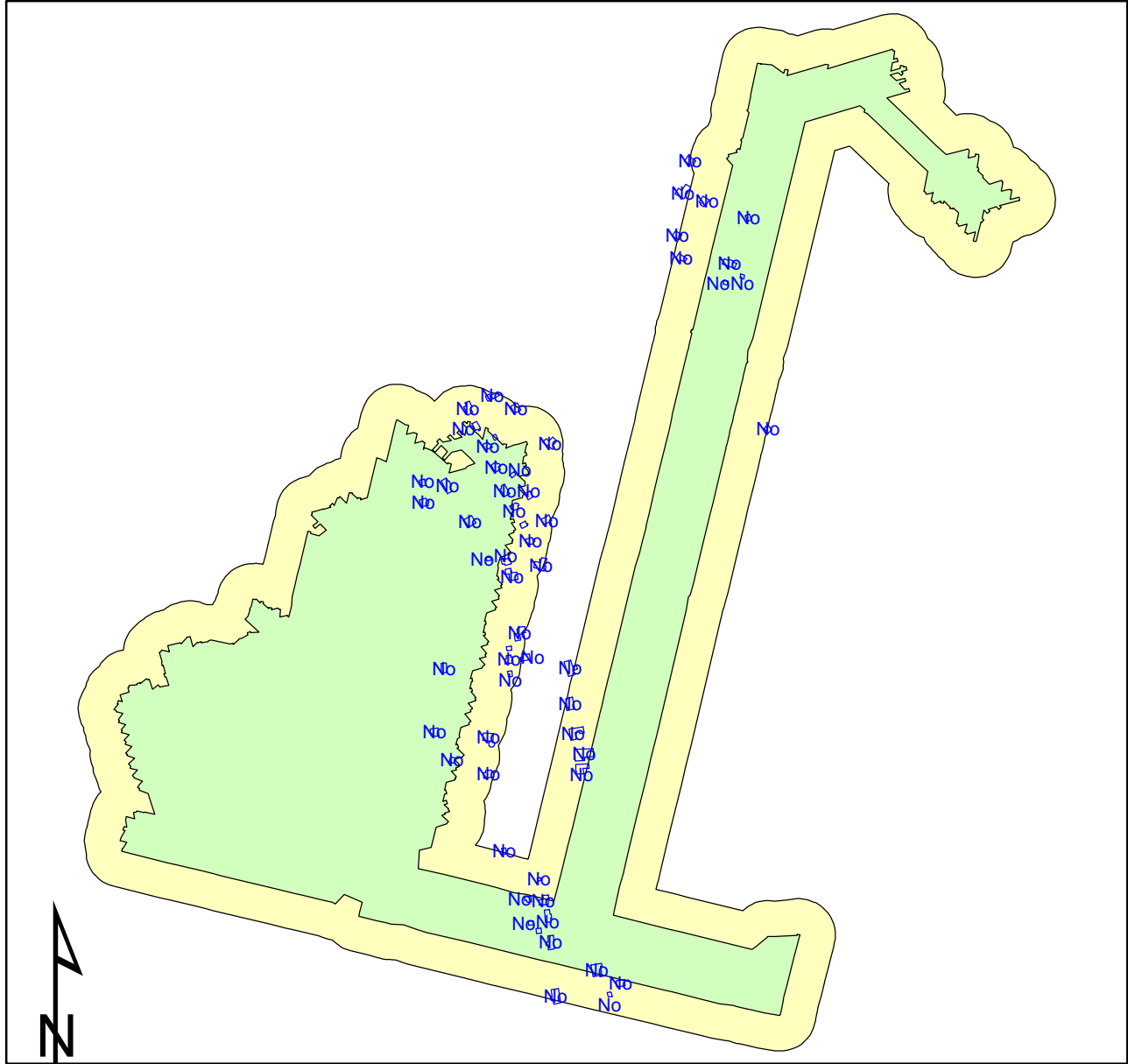
Cambria County

## Map Key

- Overburden Contour
- Room-and-Pillar

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Windber No.78 Mine Mining Areas, 200-ft Buffer and Structures



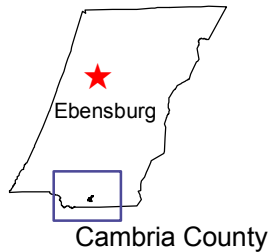
0 0.1 0.2 0.4 Miles






Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh

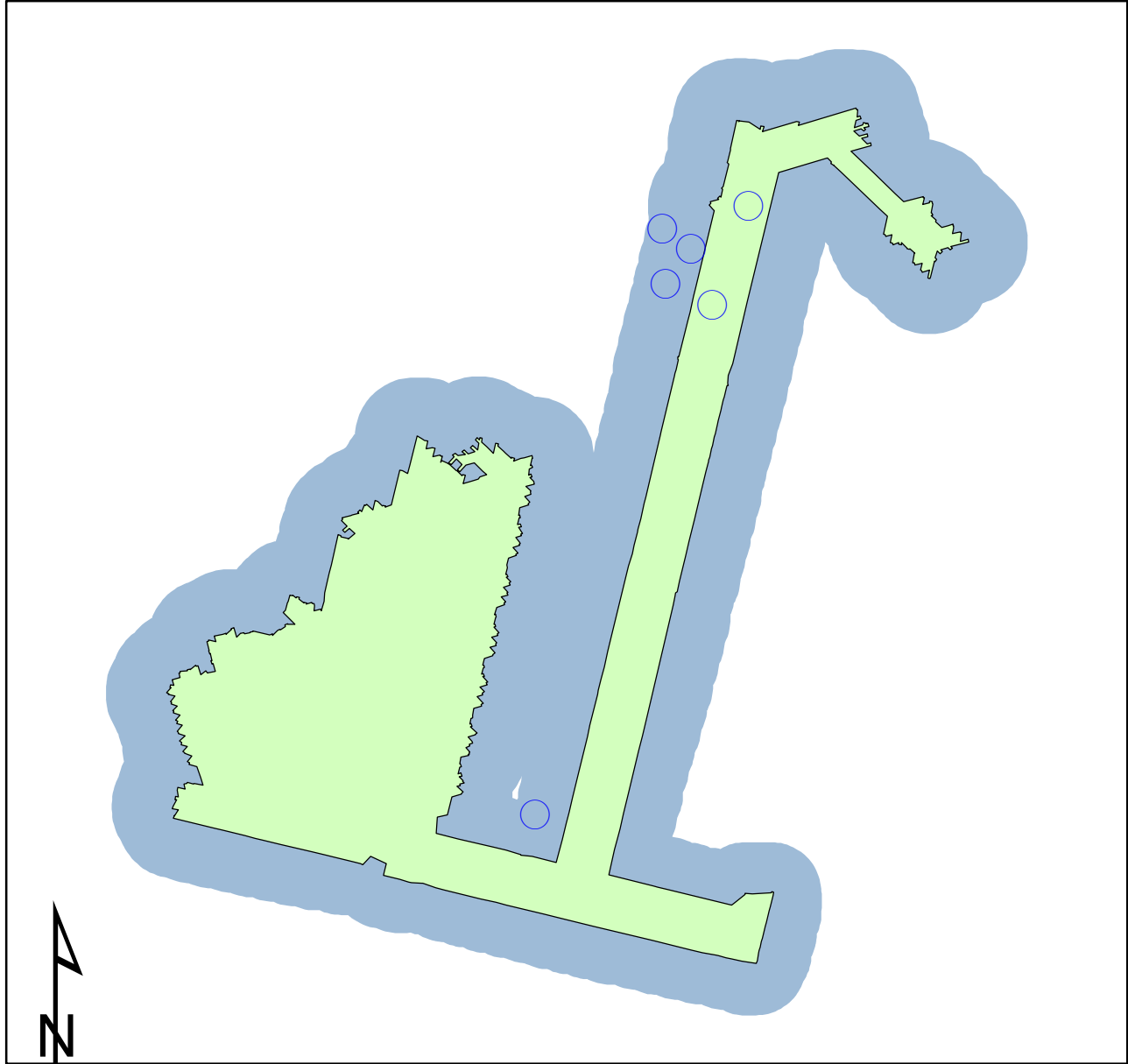


### Map Key

-  No=Structures with no reported effects
-  Room-and-Pillar
-  200-ft Buffer

Notes: a) Due to the viewing extent of the maps, every feature will not show because of overlap; b) Counts of reported effects include features that could not be located spatially; c) Several features had two reported effects and will only show one location on the map.

# Windber No.78 Mine Mining Areas, Watersources and RPZ



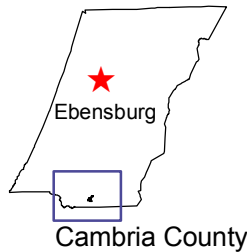
0 0.1 0.2 0.4 Miles






Prepared for:  
Pennsylvania Department of  
Environmental Protection (DEP)



Prepared by:  
University of Pittsburgh



### Map Key

-  *Watersources with no reported effects*
-  Room-and-Pillar
-  RPZ