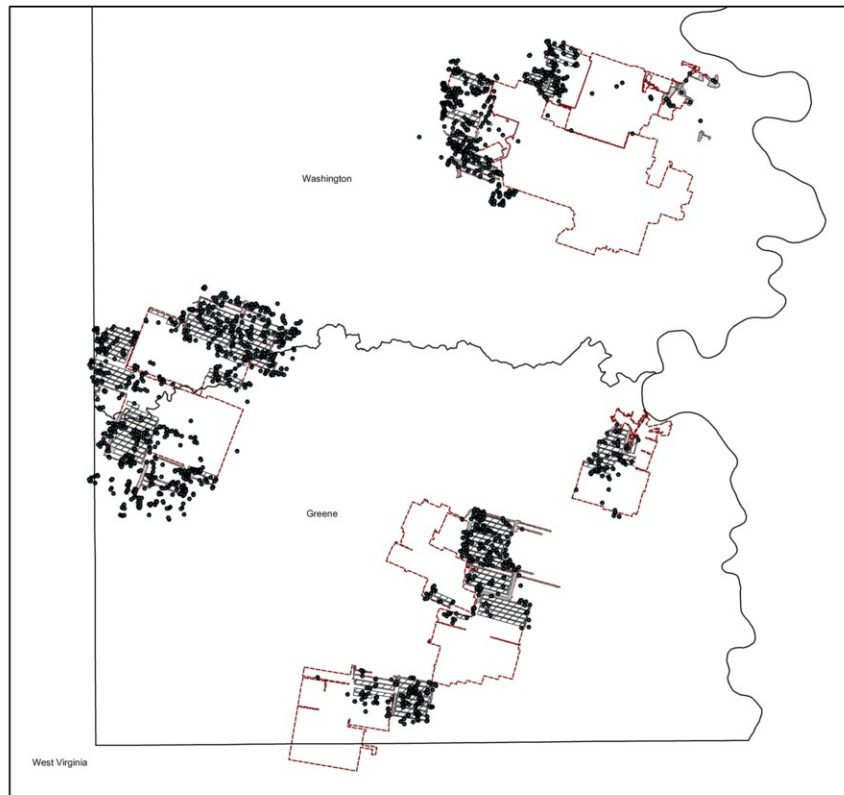


All Water Sources for Longwall Mines

Section IV

Plate 1



Legend

- Long Wall Panels
- Room and Pillar
- Mining Extent
- Water Sources (2,028)

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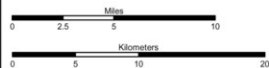


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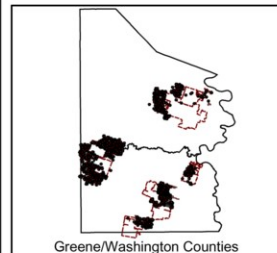


B. L. Franek
R. S. Ulewicz



Data adapted from:
Pennsylvania Spatial Data Access
Pennsylvania Department of Environmental Protection

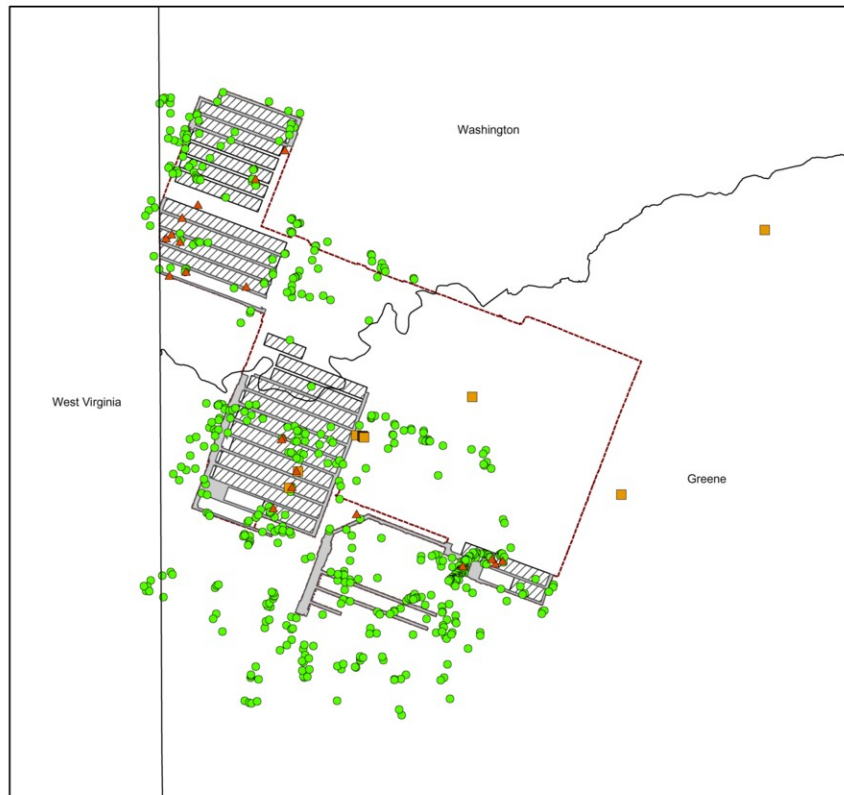
August 2004



Bailey: Water Sources

Section IV

Plate 2



Legend

- Long Wall Panels
- Room and Pillar
- Mining Extent
- Liability Sources (20)
- No Liability Sources (11)
- Unaffected Sources (533)

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Kathleen A. McGinty, Secretary

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R. S. Ulevich



Miles
0 0.5 1 2

Kilometers
0 1 2 4

Data adapted from:
Pennsylvania Spatial Data Access
Pennsylvania Department of Environmental Protection

August 2004



Greene/Washington Counties

Blacksville2: Water Sources

Section IV

Plate 3



Legend

- Long Wall Panels
- Room and Pillar
- Mining Extent
- Liability Sources (28)
- No Liability Sources (5)
- Unaffected Sources (112)

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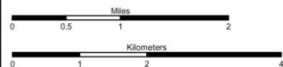


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Data adapted from:
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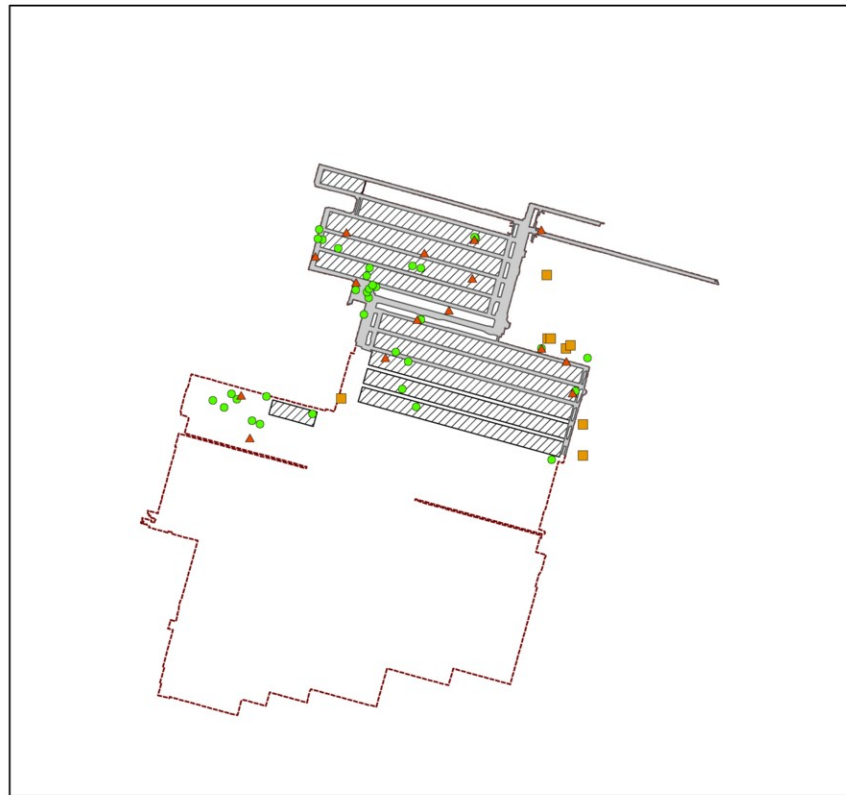
August 2004



Cumberland: Water Sources

Section IV

Plate 4



Legend

- Long Wall Panels
- Room and Pillar
- Mining Extent
- Liability Sources (15)
- No Liability Sources (8)
- Unaffected Sources (34)

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Department of Environmental Protection

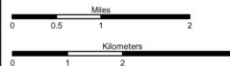


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R. S. Ulevich



Data adapted from:
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Dilworth: Water Sources

Section IV

Plate 5



Legend

- Long Wall Panels
- Room and Pillar
- Mining Extent
- Liability Sources (14)
- No Liability Sources (8)
- Unaffected Sources (59)

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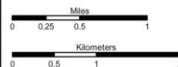


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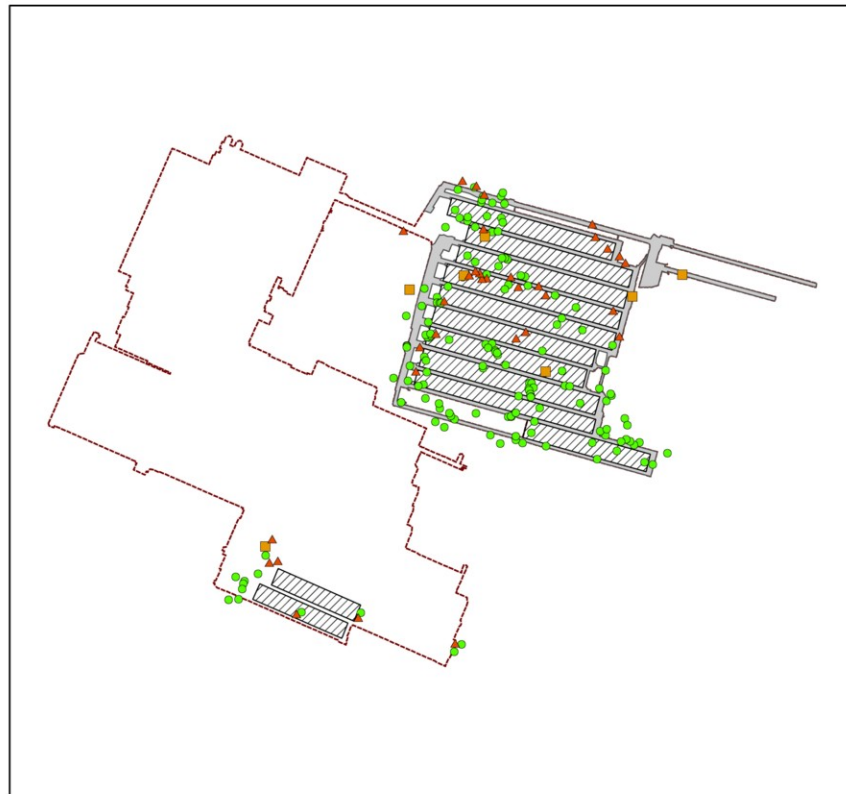
B. L. Franek
R. S. Ulewicz



Data adapted from:
Pennsylvania Spatial Data Access
Pennsylvania Department of Environmental Protection

August 2004





Legend

-  Long Wall Panels
-  Liability Sources (33)
-  Room and Pillar
-  No Liability Sources (7)
-  Mining Extent
-  Unaffected Sources (146)

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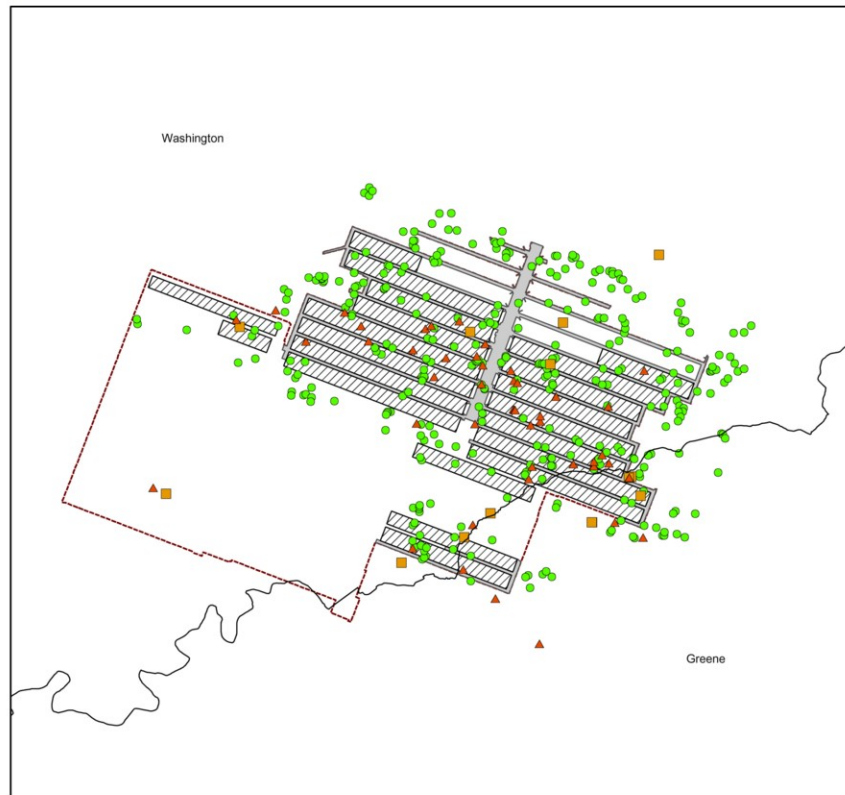
August 2004



Enlow Fork: Water Sources

Section IV

Plate 7



Legend

- Long Wall Panels
- Room and Pillar
- Mining Extent
- Liability Sources (48)
- No Liability Sources (14)
- Unaffected Sources (331)

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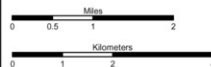


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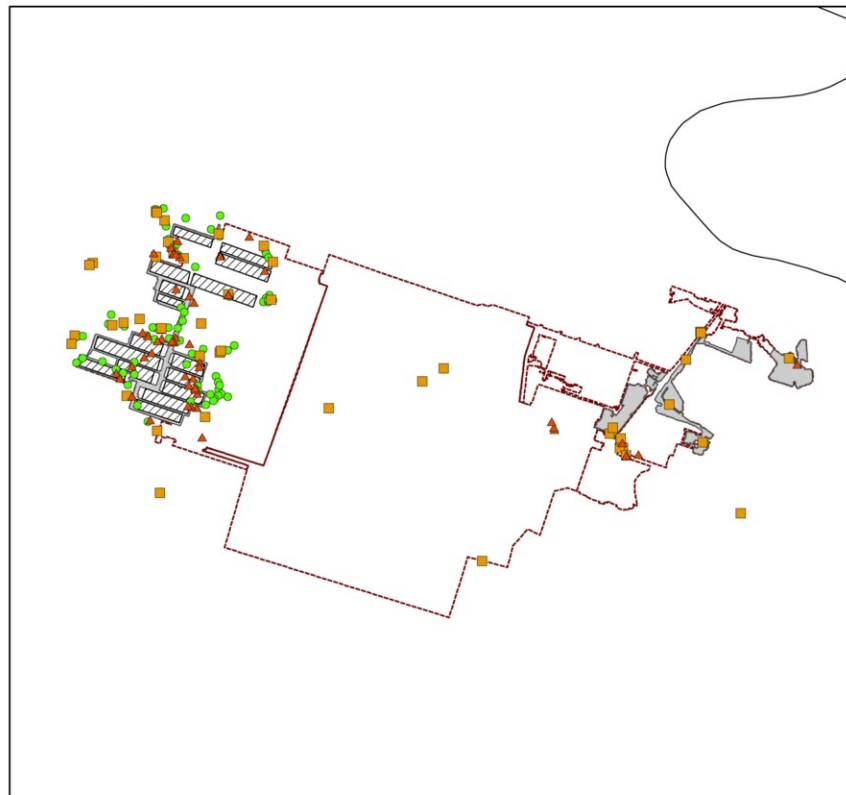


Greene/Washington Counties

Maple Creek: Water Sources

Section IV

Plate 8



Legend

- Long Wall Panels
- Room and Pillar
- Mining Extent
- Liability Sources (58)
- No Liability Sources (49)
- Unaffected Sources (73)

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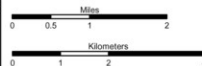


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Data adapted from:
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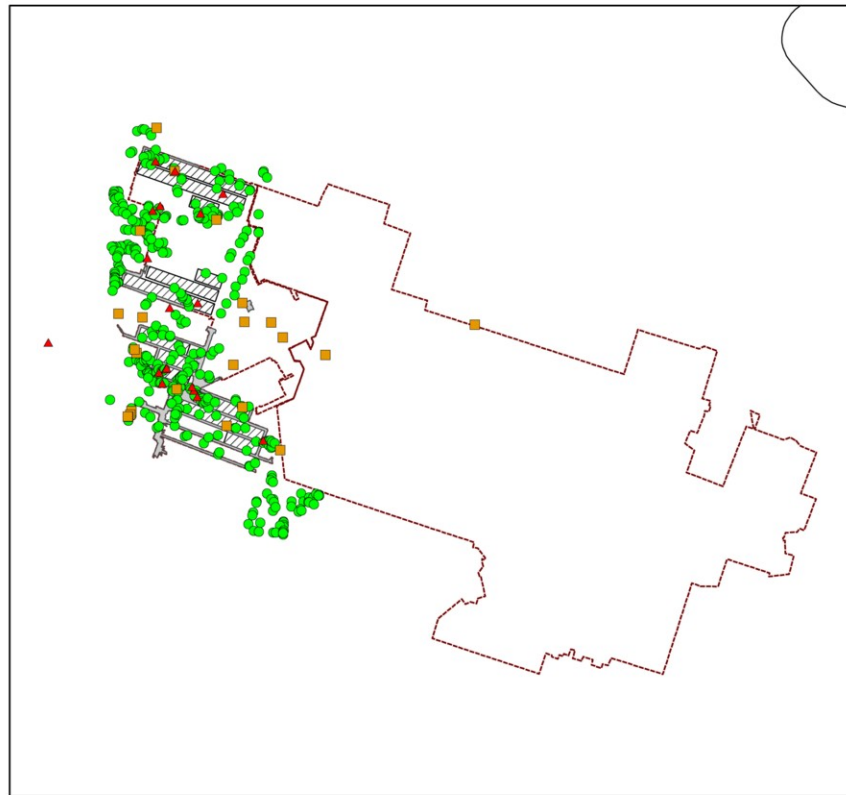


Greene/Washington Counties

Mine 84: Water Sources

Section IV

Plate 9



Legend

- | | |
|--|---|
|  Long Wall Panels |  Liability Sources (18) |
|  Room and Pillar |  No Liability Sources (23) |
|  Mining Extent |  Unaffected Sources (372) |

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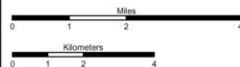


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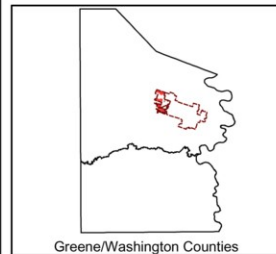


B. L. Franek
R. S. Ulevich



Data adapted from:
Pennsylvania Spatial Data Access
Pennsylvania Department of Environmental Protection

August 2004



Greene/Washington Counties

Shoemaker: Water Sources

Section IV

Plate 10



Legend

Long Wall Panels

Unaffected Sources (9)

Room and Pillar

Mining Extent

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R. S. Ulevich



Miles
0 0.125 0.25 0.5

Kilometers
0 0.125 0.25 0.5

Data adapted from:
Pennsylvania Spatial Data Access
Pennsylvania Department of Environmental Protection

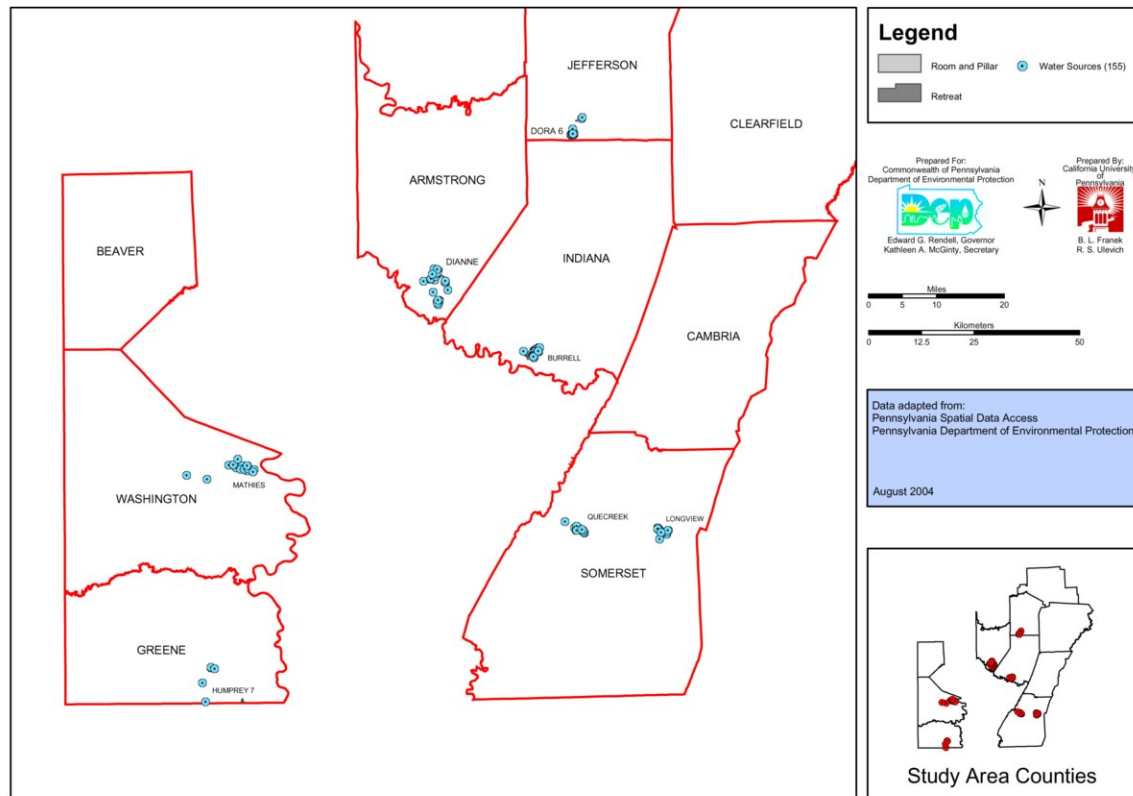
August 2004

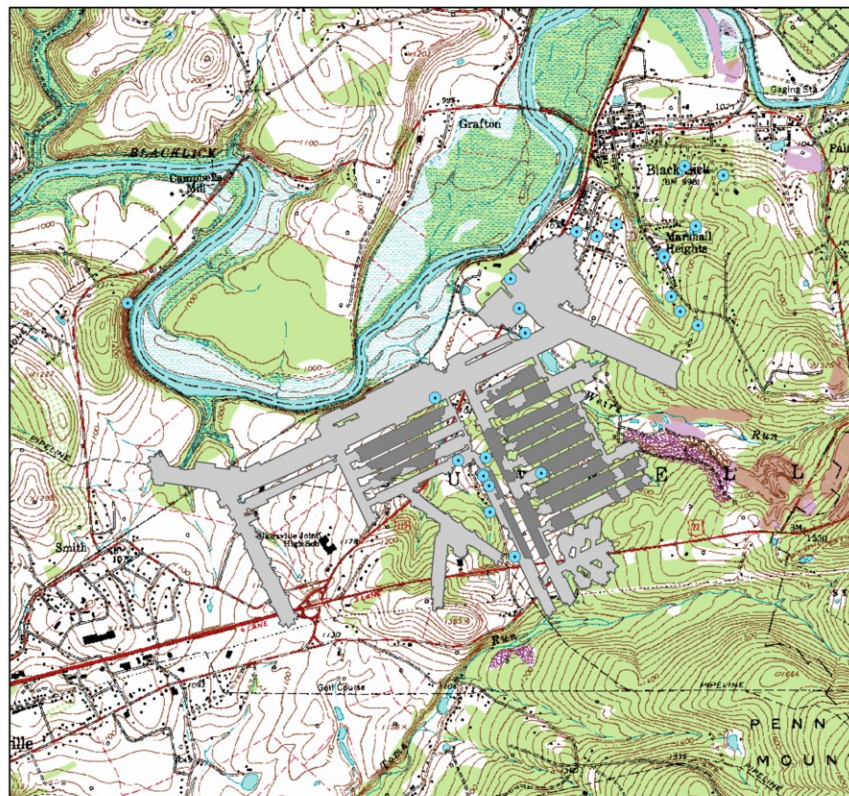


Water Source Claims for Room-and-Pillar Mines

Section IV

Plate 11





Legend

- Room and Pillar
- Retreat
- Water Source Claims (24)

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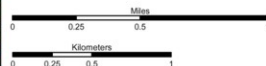


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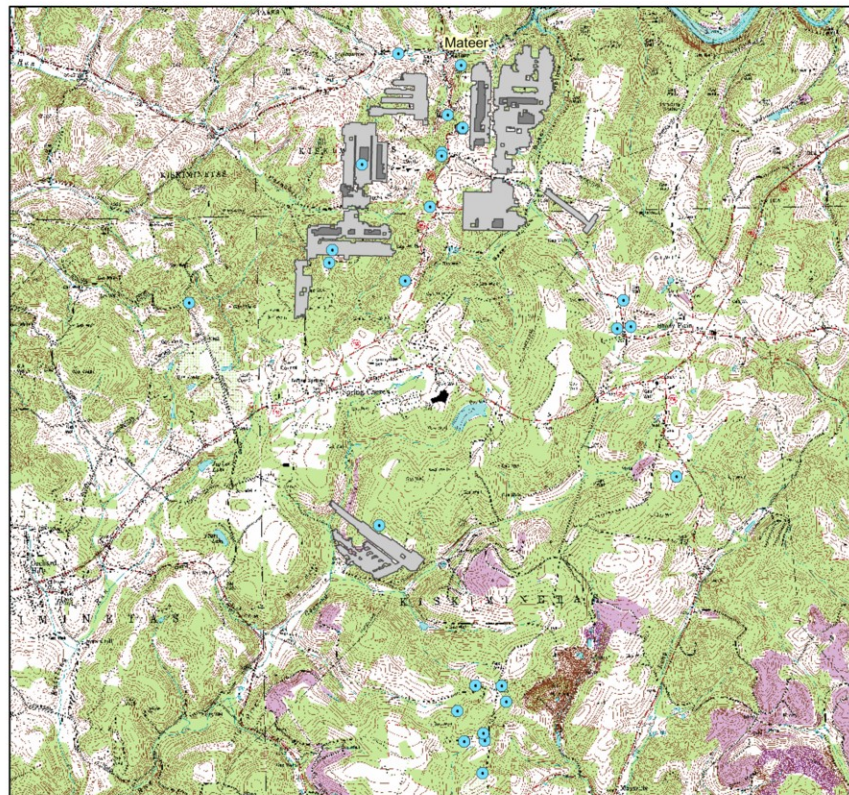


Data adapted from:
Pennsylvania Spatial Data Access
Pennsylvania Department of Environmental Protection
USGS Bolivar, Pennsylvania
7.5 minute Quadrangle

August 2004



Study Area Counties



Legend

-  Room and Pillar
-  Water Source Claims (29)
-  Retreat

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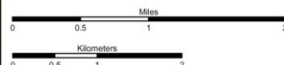


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Data adapted from:
Pennsylvania Spatial Data Access
Pennsylvania Department of Environmental Protection
USGS Avonmore, Leechburg, Vandergrift, Whitesburg,
Pennsylvania 7.5 minute Quadrangles

August 2004

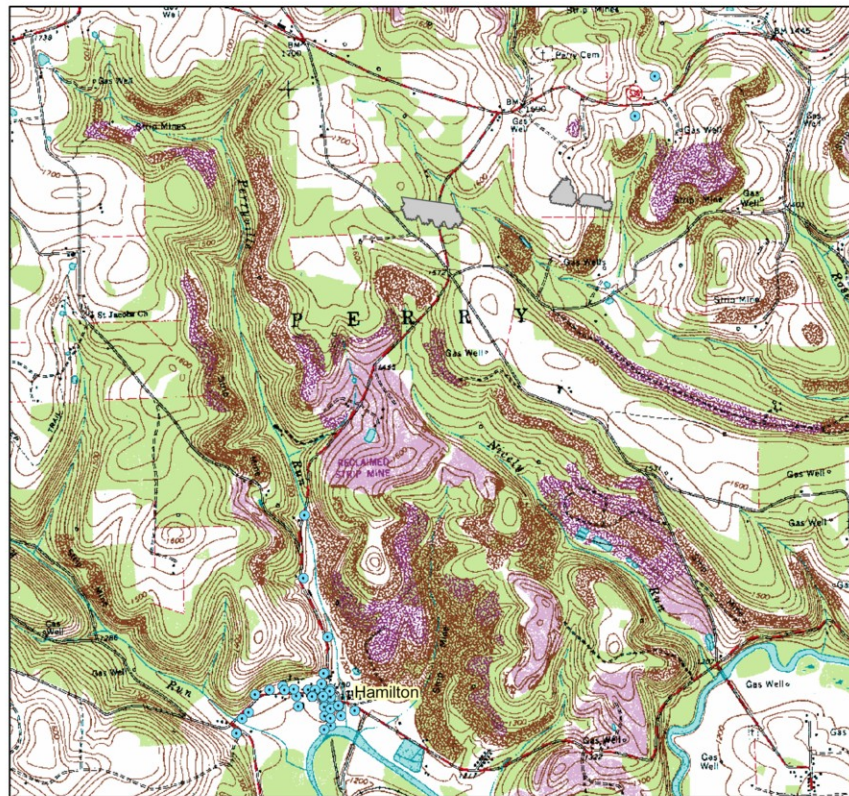


Study Area Counties

Dora 6: Water Source Claims

Section IV

Plate 14



Legend

- Room and Pillar
- Retreat
- Water Source Claims (42)

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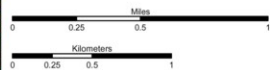


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Data adapted from:
Pennsylvania Spatial Data Access
Pennsylvania Department of Environmental Protection
USGS Valier, Pennsylvania
7.5 minute Quadrangle

August 2004

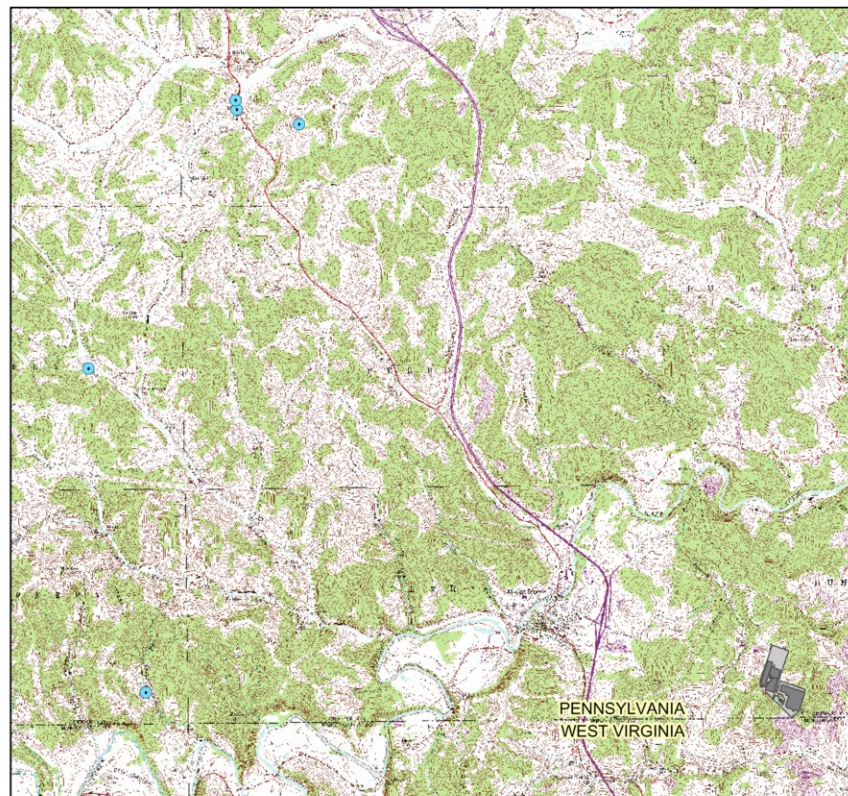


Study Area Counties

Humphrey 7: Water Source Claims

Section IV

Plate 15



Legend



Water Source Claims (5)

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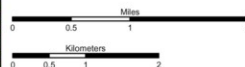


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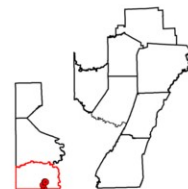


B. L. Franek
R. S. Ulewicz

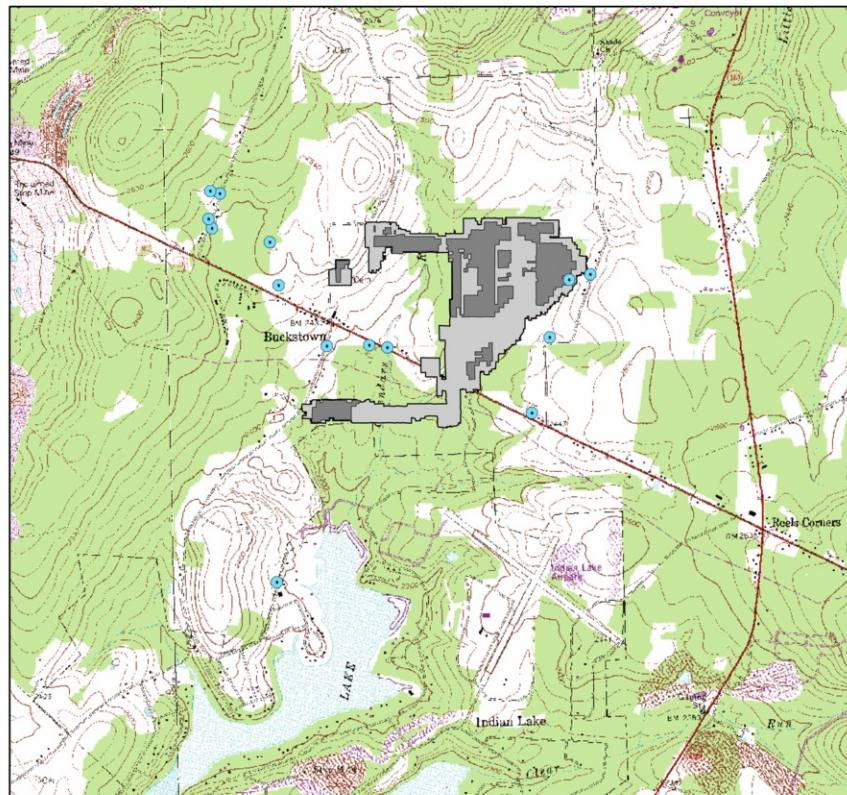


Data adapted from:
Pennsylvania Spatial Data Access
Pennsylvania Department of Environmental Protection
USGS Blacksville, Garards Fort, Oak Forest, Osage,
Pennsylvania 7.5 minute Quadrangles

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Study Area Counties



Legend

-  Room and Pillar
-  Water Source Claims (14)
-  Retreat

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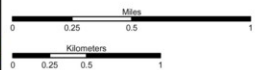


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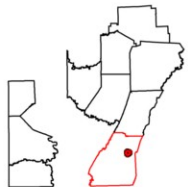


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Data adapted from:
Pennsylvania Spatial Data Access
Pennsylvania Department of Environmental Protection
USGS Central City, Stoystown, Pennsylvania
7.5 minute Quadrangles

August 2004



Study Area Counties

**Legend**

- Room and Pillar
- Retreat
- Water Source Claims (30)

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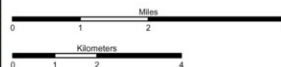


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R. S. Ulevich

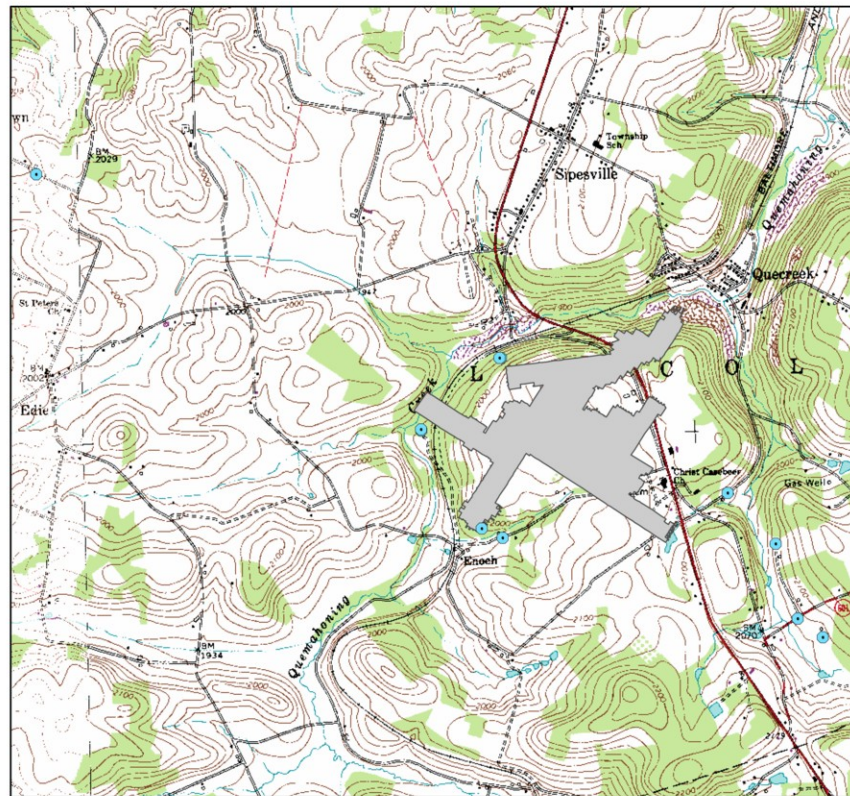


Data adapted from:
Pennsylvania Spatial Data Access
Pennsylvania Department of Environmental Protection
USGS Bridgeville, Canonsburg, Glassport, Hackett,
Monongahela, Washington, East, Pennsylvania
7.5 minute Quadrangles

August 2004



Study Area Counties



Legend

-  Room and Pillar
-  Water Source Claims (11)
-  Retreat

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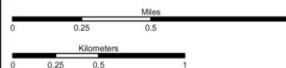


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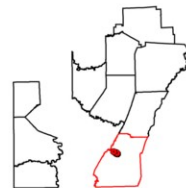


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Data adapted from:
Pennsylvania Spatial Data Access
Pennsylvania Department of Environmental Protection
USGS Bakersville, Somerset, Pennsylvania
7.5 minute Quadrangles

August 2004



Study Area Counties