

APPENDIX E
PHYSICAL SETTING REPORT



Property Information

Order Number: 24070200488p
 Date Completed: July 2, 2024
 Project Number: R0255 - not yet assigned a number
 Project Property: Green Brook Regional Center
 275 Greenbrook Rd, Green Brook Township, NJ 08812 Green Brook Township
 NJ 08812
 Coordinates:
 Latitude: 40.58743877
 Longitude: -74.49683295
 UTM Northing: 4493082.13903 Meters
 UTM Easting: 542579.964377 Meters
 UTM Zone: UTM Zone 18T
 Elevation: 39.38 ft
 Slope Direction: SSE

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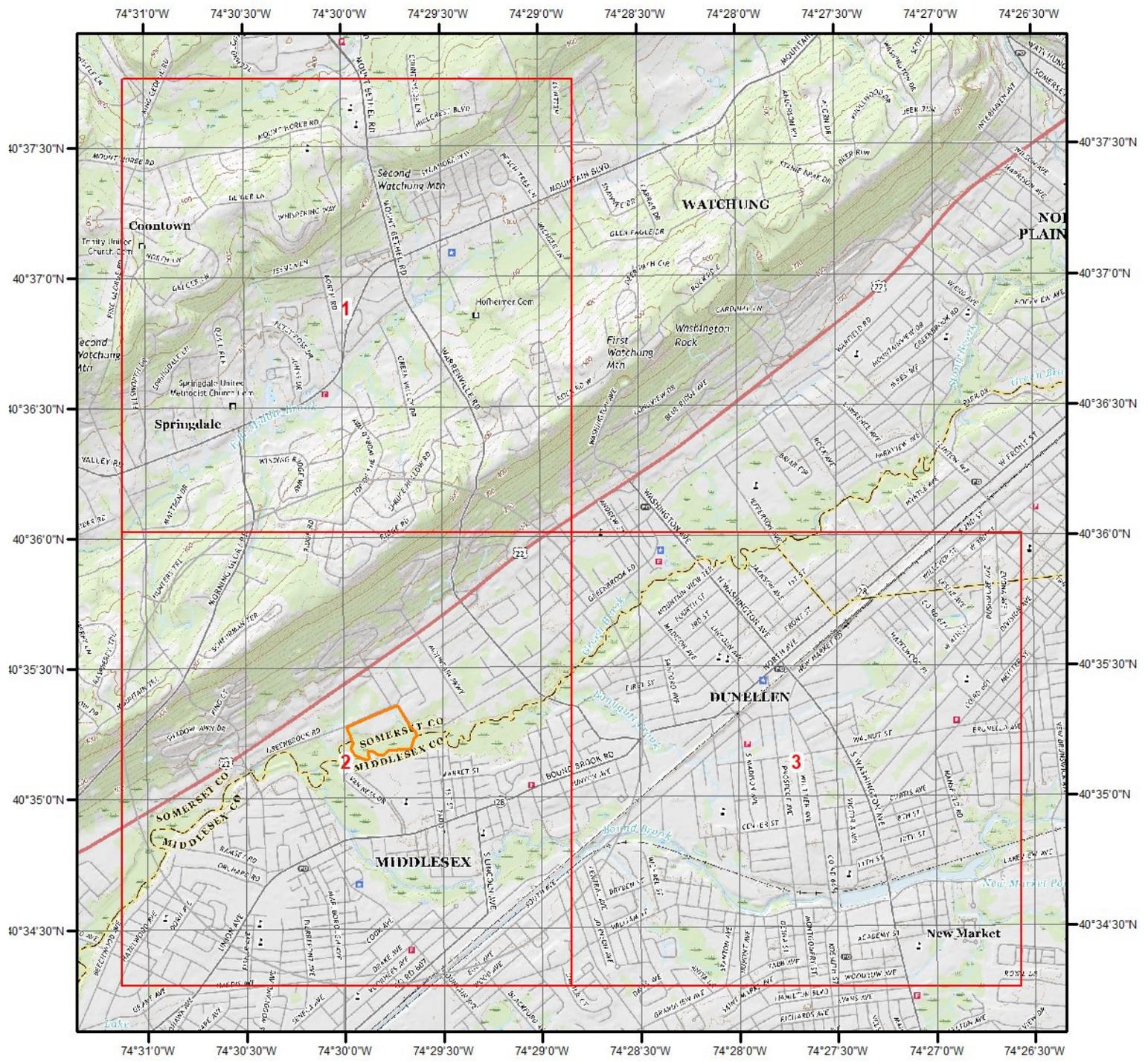
The ERIS **Physical Setting Report - PSR** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

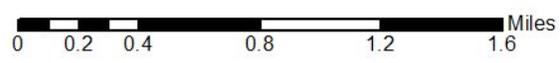
Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Current USGS Topo (2019)

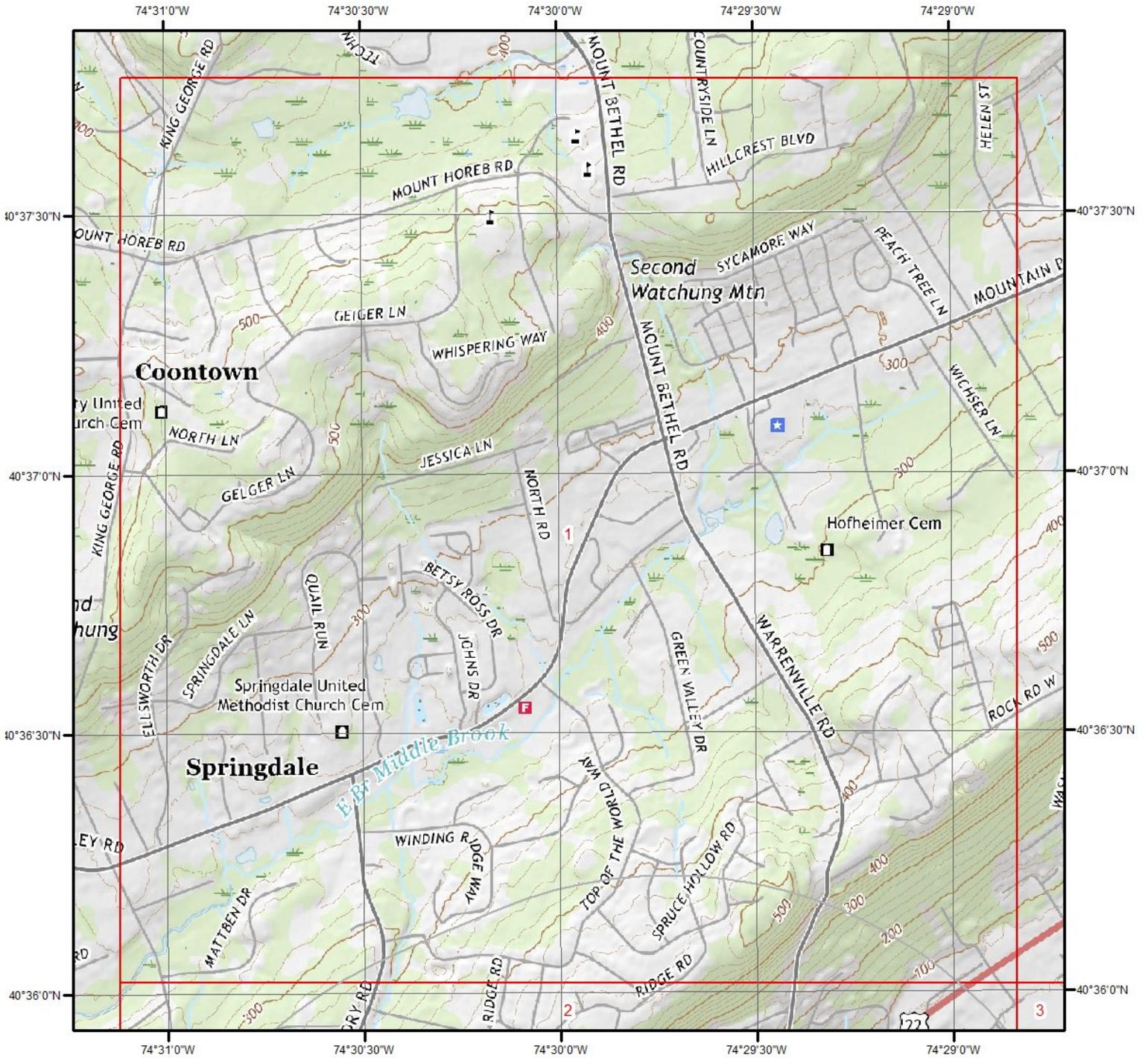


Quadrangle(s): Plainfield,NJ; Chatham,NJ; Bernardsville,NJ; Round Brook,NJ

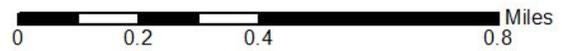


Source: USGS 7.5 Minute Topographic Map

Topographic Information



Current USGS Topo - Page 1

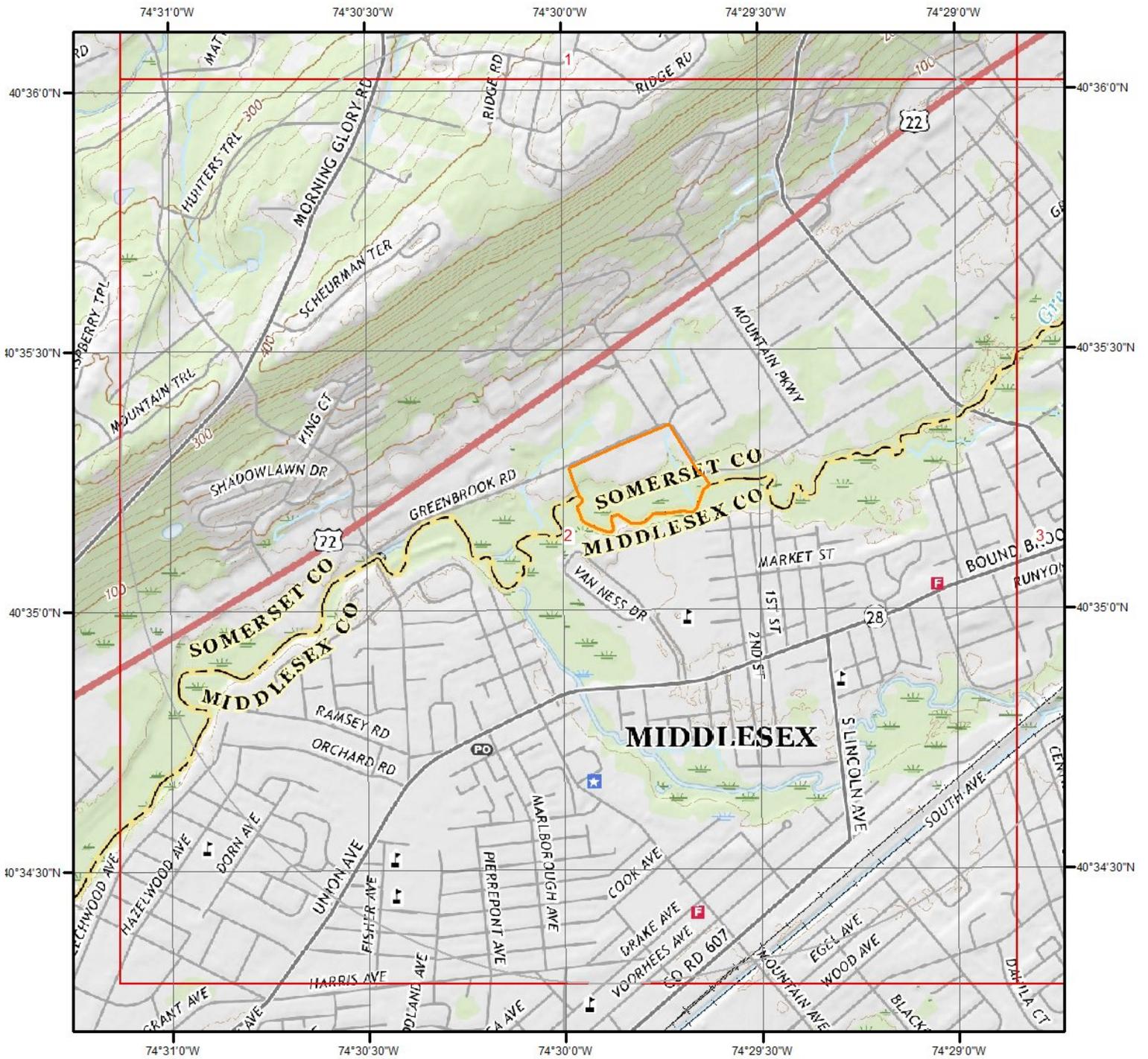


Quadrangle(s): Plainfield,NJ; Chatham,NJ; Bernardsville,NJ; Round Brook,NJ



Source: USGS 7.5 Minute Topographic Map

Topographic Information



Current USGS Topo - Page 2

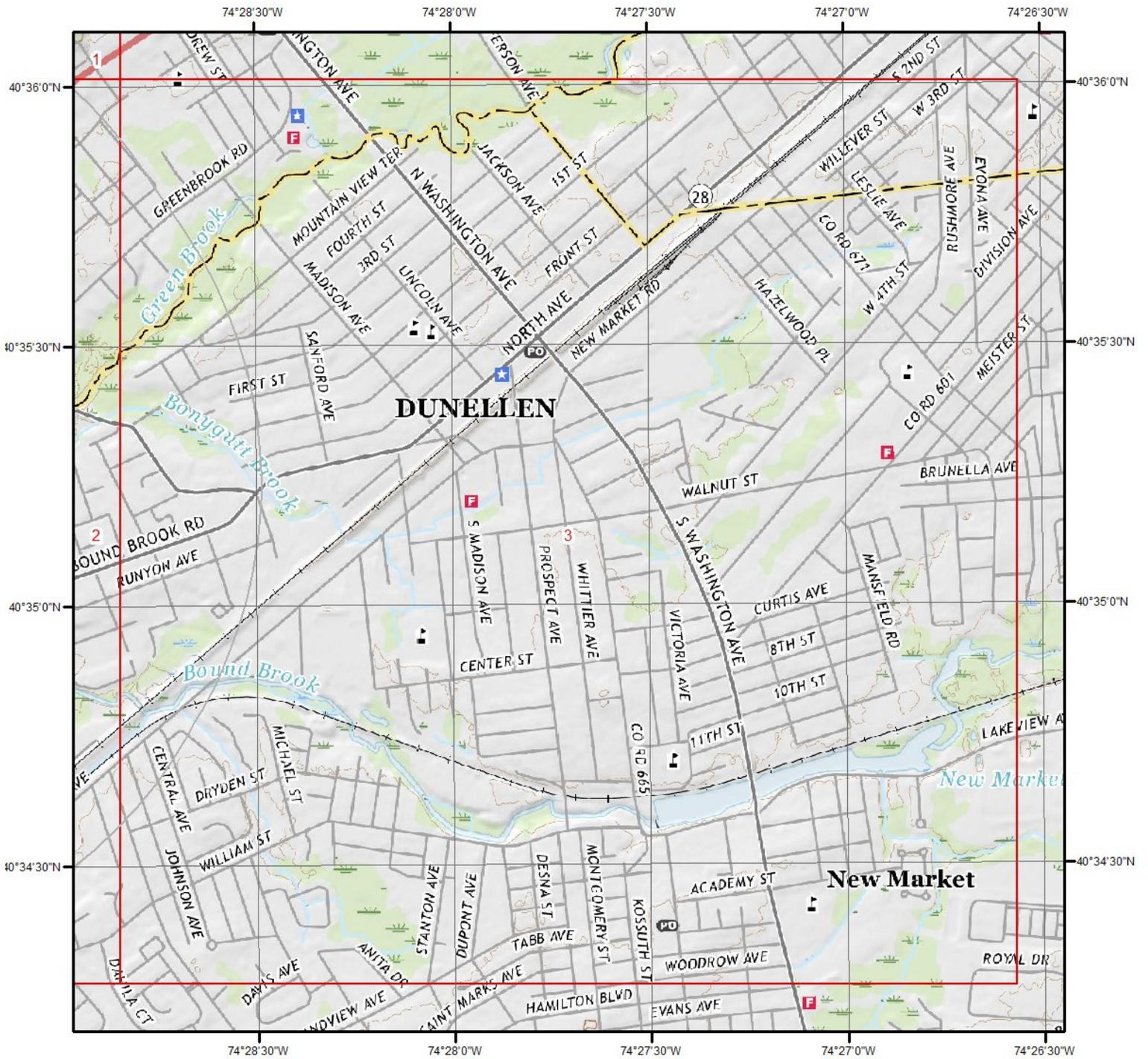


Quadrangle(s): Plainfield, NJ; Bound Brook, NJ

Source: USGS 7.5 Minute Topographic Map



Topographic Information



Current USGS Topo - Page 3



Quadrangle(s): Plainfield, NJ

Source: USGS 7.5 Minute Topographic Map

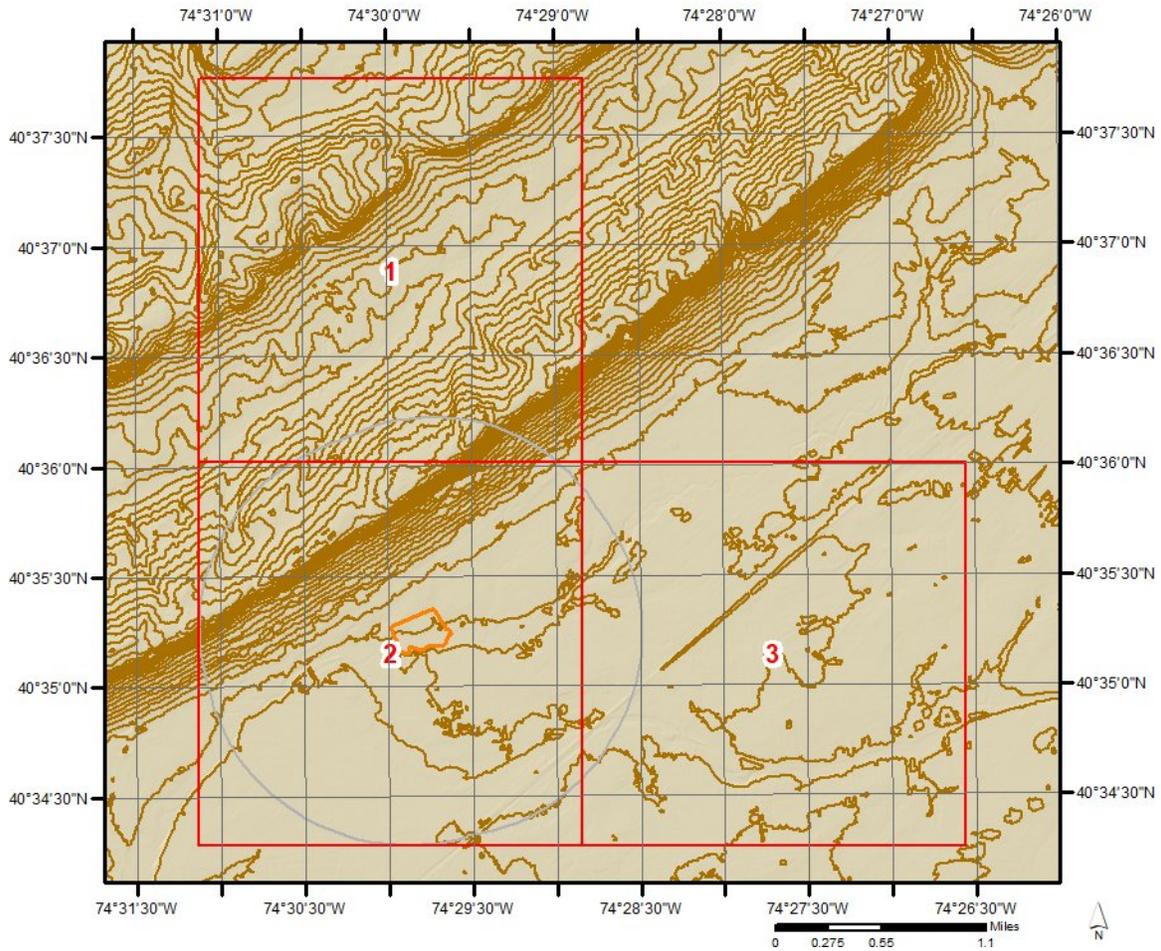


Topographic Information

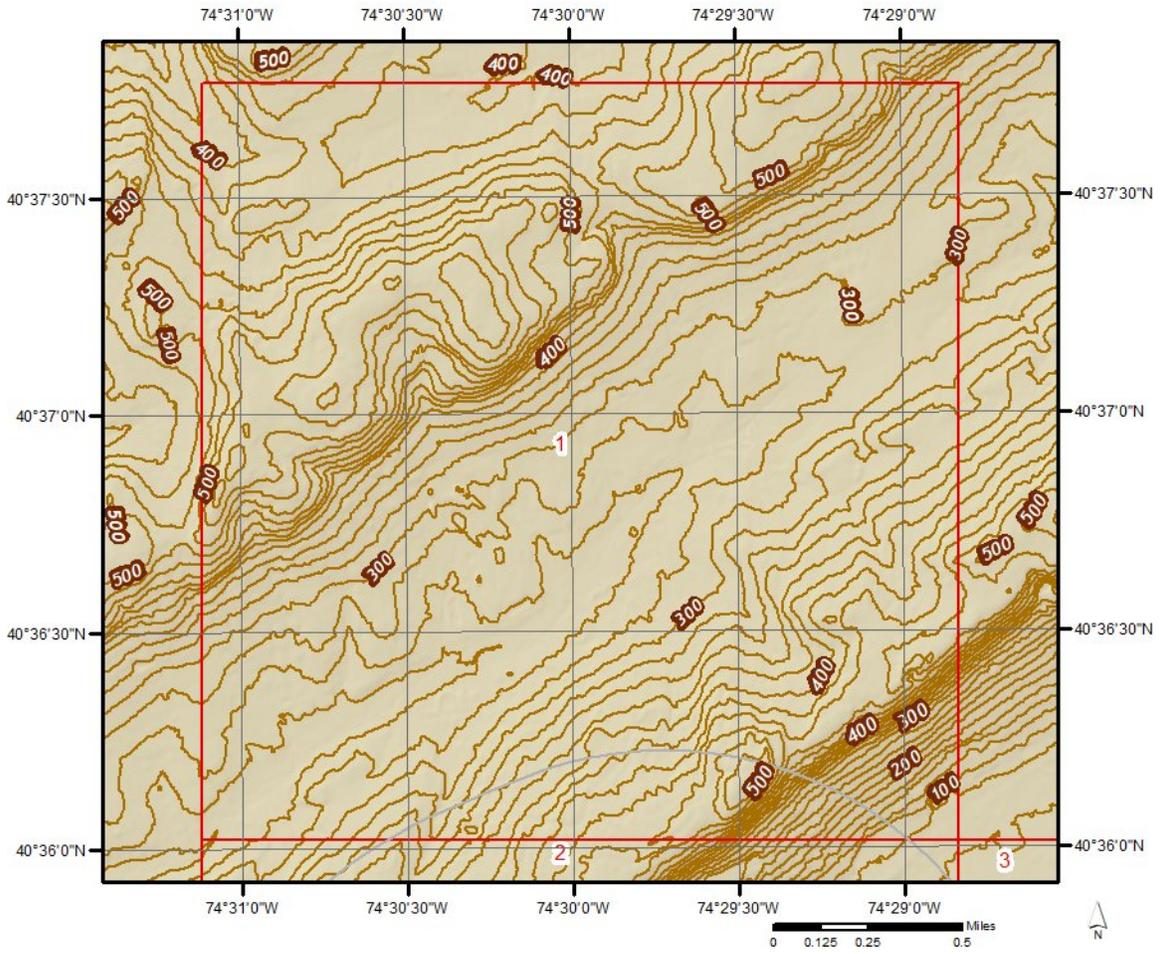
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

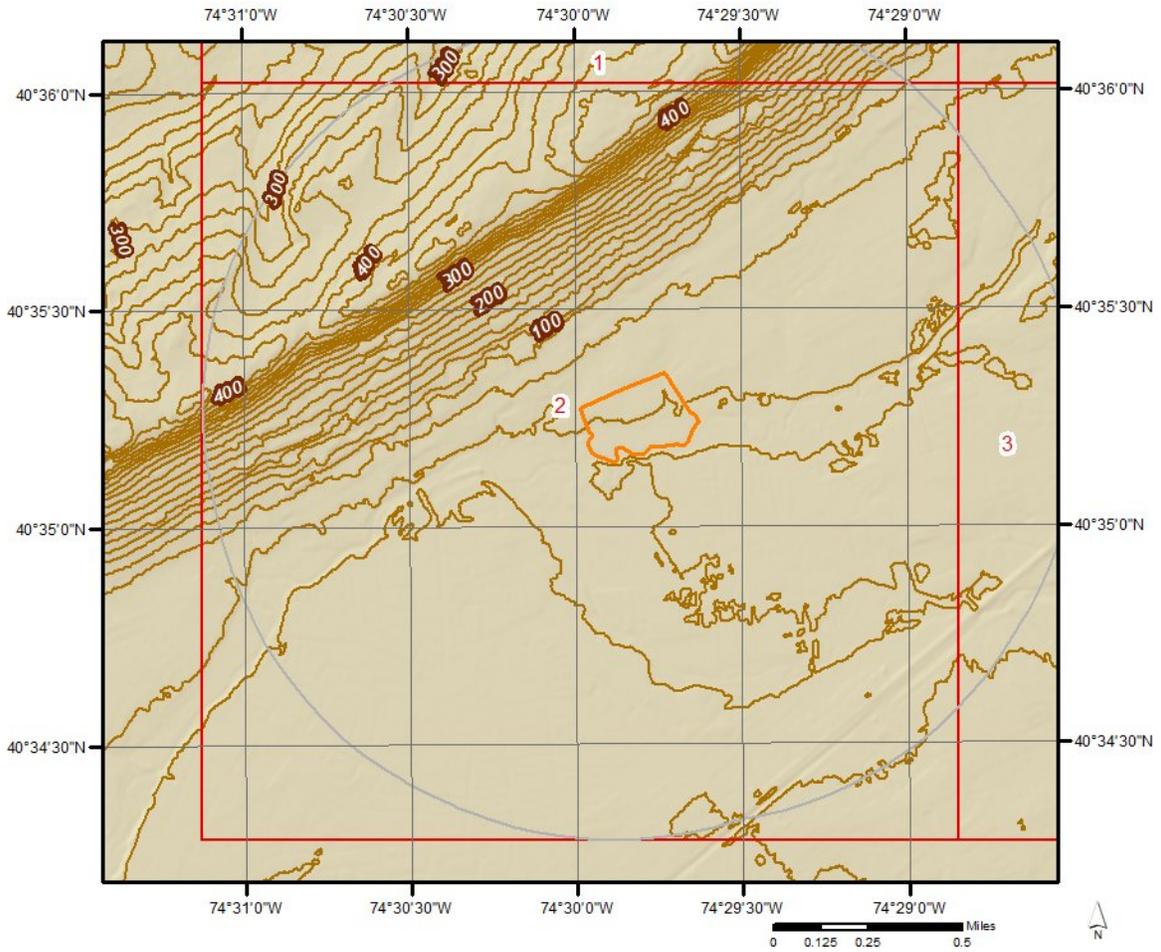
Elevation: 39.38 ft
Slope Direction: SSE



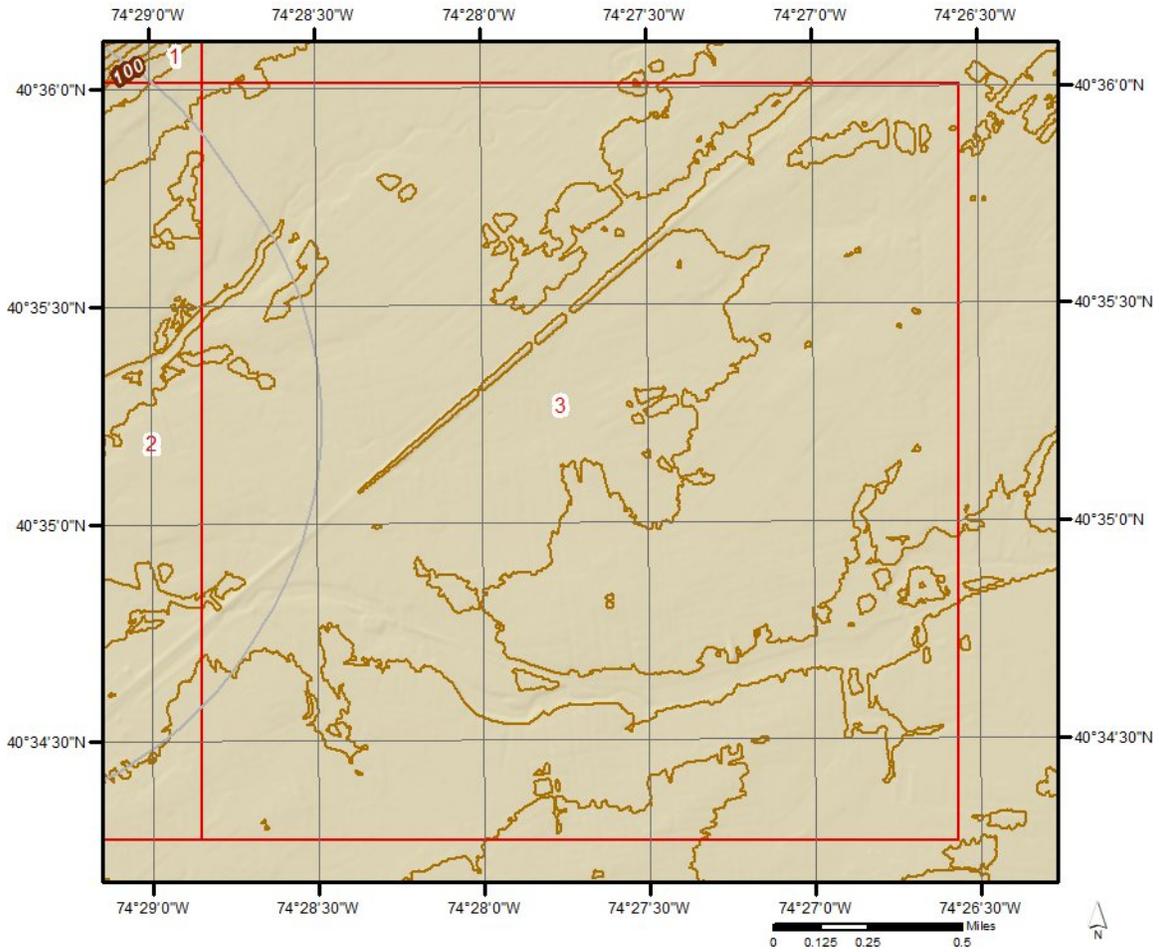
Topographic Information



Topographic Information



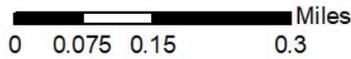
Topographic Information



Hydrologic Information



Wetland

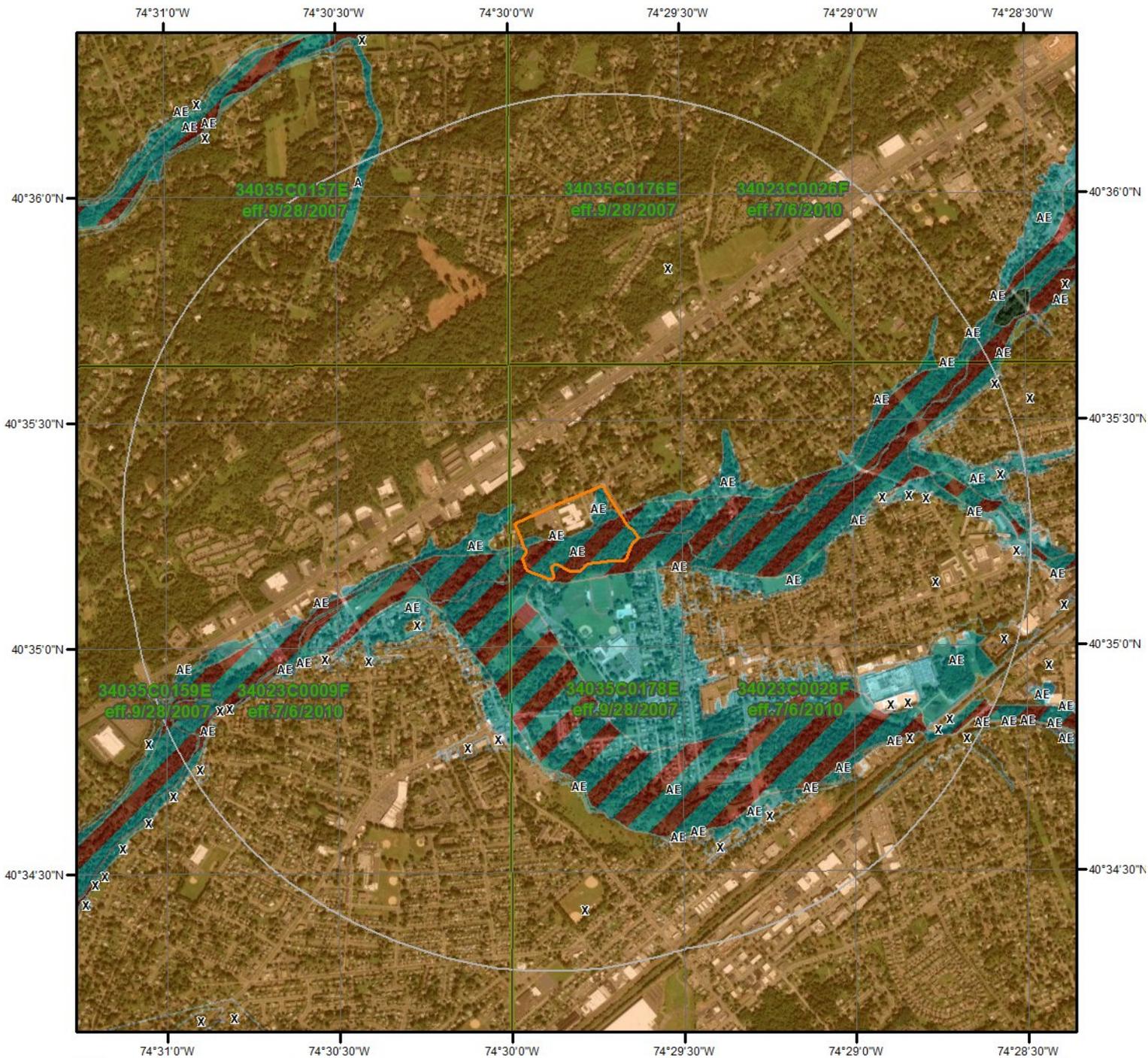


This map shows wetland existence using data from US Fish & Wildlife. Data coverage is shown to the right. Gray indicates no data available in the area.

- | | |
|---|---|
|  Estuarine and Marine Deepwater |  Freshwater Pond |
|  Estuarine and Marine Wetland |  Lake |
|  Freshwater Emergent Wetland |  Other |
|  Freshwater Forested/Shrub Wetland |  Riverine |



Hydrologic Information



Flood Hazard Zones

This map shows FEMA flood hazard zones based on FEMA's National Flood Hazard Layer. FIRM Panels are overlaid. An absent FIRM panel represents no data available.

- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard



- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Risk Due to Levee
- Area with Risk Due to Levee
- Open Water

Quadrangle(s): Plainfield, NJ;
Chatham, NJ; Bernardsville, NJ; Bound



Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below. For detailed Zone descriptions please click the link: <https://floodadvocate.com/fema-zone-definitions>

Available FIRM Panels in area: 34035C0157E(effective:2007-09-28) 34023C0028F(effective:2010-07-06)
34023C0009F(effective:2010-07-06) 34023C0026F(effective:2010-07-06)
34035C0159E(effective:2007-09-28) 34035C0178E(effective:2007-09-28)
34035C0176E(effective:2007-09-28)

Flood Zone A-01

Zone: A
Zone subtype:

Flood Zone AE-01

Zone: AE
Zone subtype:

Flood Zone AE-11

Zone: AE
Zone subtype: FLOODWAY

Flood Zone X-01

Zone: X
Zone subtype: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD

Flood Zone X-12

Zone: X
Zone subtype: AREA OF MINIMAL FLOOD HAZARD

Hydrologic Information

FEMA Flood Zone Definitions

Special Flood Hazard Areas – High Risk

Special Flood Hazard Areas represent the area subject to inundation by 1-percent-annual chance flood. Structures located within the SFHA have a 26-percent chance of flooding during the life of a standard 30-year mortgage. Federal floodplain management regulations and mandatory flood insurance purchase requirements apply in these zones.

ZONE	DESCRIPTION
A	Areas subject to inundation by the 1-percent-annual-chance flood event. Because detailed hydraulic analyses have not been performed, no Base Flood Elevations (BFEs) or flood depths are shown.
AE, A1-A30	Areas subject to inundation by the 1-percent-annual-chance flood event determined by detailed methods. BFEs are shown within these zones. (Zone AE is used on new and revised maps in place of Zones A1–A30.)
AH	Areas subject to inundation by 1-percent-annual-chance shallow flooding (usually areas of ponding) where average depths are 1–3 feet. BFEs derived from detailed hydraulic analyses are shown in this zone.
AO	Areas subject to inundation by 1-percent-annual-chance shallow flooding (usually sheet flow on sloping terrain) where average depths are 1–3 feet. Average flood depths derived from detailed hydraulic analyses are shown within this zone.
AR	Areas that result from the decertification of a previously accredited flood protection system that is determined to be in the process of being restored to provide base flood protection.
A99	Areas subject to inundation by the 1-percent-annual-chance flood event, but which will ultimately be protected upon completion of an under-construction Federal flood protection system. These are areas of special flood hazard where enough progress has been made on the construction of a protection system, such as dikes, dams, and levees, to consider it complete for insurance rating purposes. Zone A99 may be used only when the flood protection system has reached specified statutory progress toward completion. No BFEs or flood depths are shown.

Coastal High Hazard Areas – High Risk

Coastal High Hazard Areas (CHHA) represent the area subject to inundation by 1-percent-annual chance flood, extending from offshore to the inland limit of a primary front dune along an open coast and any other area subject to high velocity wave action from storms or seismic sources. Structures located within the CHHA have a 26-percent chance of flooding during the life of a standard 30-year mortgage. Federal floodplain management regulations and mandatory purchase requirements apply in these zones.

ZONE	DESCRIPTION
V	Areas along coasts subject to inundation by the 1-percent-annual-chance flood event with additional hazards associated with storm-induced waves. Because detailed coastal analyses have not been performed, no BFEs or flood depths are shown.
VE, V1-V30	Areas along coasts subject to inundation by the 1-percent-annual-chance flood event with additional hazards due to storm-induced velocity wave action. BFEs derived from detailed hydraulic coastal analyses are shown within these zones. (Zone VE is used on new and revised maps in place of Zones V1–V30.)

Hydrologic Information

Moderate and Minimal Risk Areas

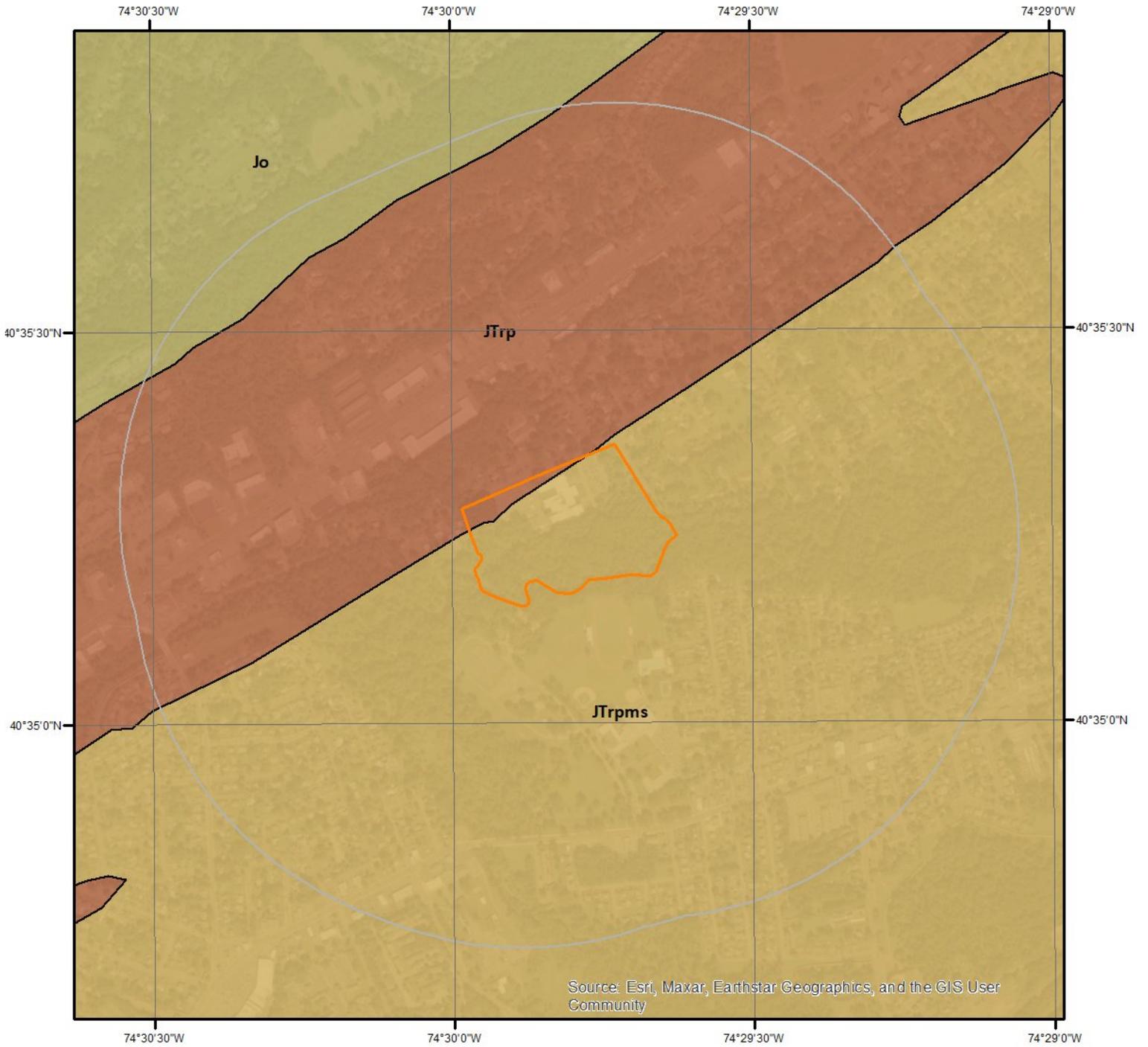
Areas of moderate or minimal hazard are studied based upon the principal source of flood in the area. However, buildings in these zones could be flooded by severe, concentrated rainfall coupled with inadequate local drainage systems. Local stormwater drainage systems are not normally considered in a community's flood insurance study. The failure of a local drainage system can create areas of high flood risk within these zones. Flood insurance is available in participating communities, but is not required by regulation in these zones. Nearly 25-percent of all flood claims filed are for structures located within these zones.

ZONE	DESCRIPTION
B, X (shaded)	Moderate risk areas within the 0.2-percent-annual-chance floodplain, areas of 1-percent-annual-chance flooding where average depths are less than 1 foot, areas of 1-percent-annual-chance flooding where the contributing drainage area is less than 1 square mile, and areas protected from the 1-percent-annual-chance flood by a levee. No BFEs or base flood depths are shown within these zones. (Zone X (shaded) is used on new and revised maps in place of Zone B.)
C, X (unshaded)	Minimal risk areas outside the 1-percent and .2-percent-annual-chance floodplains. No BFEs or base flood depths are shown within these zones. (Zone X (unshaded) is used on new and revised maps in place of Zone C.)

Undetermined Risk Areas

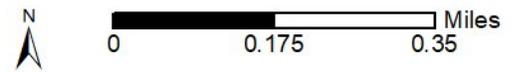
ZONE	DESCRIPTION
D	Unstudied areas where flood hazards are undetermined, but flooding is possible. No mandatory flood insurance purchase requirements apply, but coverage is available in participating communities.

Geologic Information



Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.



Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

Geologic Unit Jo

Unit Name:	Orange Mountain Basalt
Unit Age:	Lower Jurassic
Primary Rock Type:	Basalt
Secondary Rock Type:	
Unit Description:	(Olsen, 1980) - Dark-greenish-gray to greenish-black basalt composed mostly of calcic plagioclase (typically An65) and clinopyroxene (augite and pigeonite); crystals are generally less than 1 mm (0.04 in) long. Consists of three major flows. The flows are separated in places by a weathered zone or by a thin, up to 3-m- (10-ft-) thick bed of red siltstone (not shown on map) or volcanoclastic rock. Lowest flow is generally massive and has widely spaced curvilinear joints; columnar joints in lowest flow become more common toward the northeast. Middle flow is massive or has columnar jointing. Lower part of the uppermost flow has pillow structures; upper part has pahoehoe flow structures. Tops and bottoms of flow layers are vesicular. Maximum thickness is about 182 m (597 ft).

Geologic Unit JTrp

Unit Name:	Passaic Formation
Unit Age:	Lower Jurassic and Upper Triassic
Primary Rock Type:	Siltstone
Secondary Rock Type:	Shale
Unit Description:	(Olsen, 1980) - Reddish-brown to brownish-purple and grayish-red siltstone and shale (JTrp) maximum thickness 3,600 m (11,810 ft). At places contains mapped sandy mudstone (JTrpms), sandstone (JTrps), conglomeratic sandstone (JTrpsc) and conglomerate containing clasts of quartzite (JTrpcq), or limestone (JTrpcl). Formation coarsens up section and to the southwest. Quartzite conglomerate unit (JTrpcq) is reddish-brown pebble conglomerate, pebbly sandstone, and sandstone, in upward-fining sequences 1 to 2 m (3-6 ft) thick. Clasts are subangular to subrounded, quartz and quartzite in sandstone matrix. Sandstone is medium to coarse grained, feldspathic (up to 20 percent feldspar), and locally contains pebble and cobble layers. Conglomerate thickness exceeds 850 m (2,790 ft). Limestone conglomerate unit (JTrpcl) is medium-bedded to massive, pebble to boulder conglomerate. Clasts are subangular dolomitic limestone in matrix of brownish- to purplish-red sandstone to mudstone; matrix weathers light-gray to white near faults. Maximum thickness unknown. Conglomeratic sandstone (JTrpsc) is brownish-red pebble conglomerate, medium- to coarse-grained, feldspathic sandstone and micaceous siltstone; unit is planar to low-angle trough cross laminated, burrowed, and contains local pebble layers. Unit forms upward-fining sequences 0.5 to 2.5 m (1.6-8 ft) thick. Conglomeratic sandstone thickness exceeds 800 m (2,625 ft). Sandstone (JTrps) is interbedded grayish-red to brownish-red, medium- to fine-grained, medium- to thick-bedded sandstone and brownish-to purplish-red coarse-grained siltstone; unit is planar to ripple cross-laminated, fissile, locally calcareous, containing desiccation cracks and root casts. Upward-fining cycles are 1.8 to 4.6 m (6-15 ft) thick. Sandstone beds are coarser and thicker near conglomerate units (JTrpcq, JTrpcl). Maximum thickness about 1,100 m (3,610 ft). Sandy mudstone (JTrpms) is reddish-brown to brownish-red, massive, silty to sandy mudstone and siltstone, which are bioturbated, ripple cross-laminated and interbedded with lenticular sandstone. To southwest where similar lithologic units also occur, they have not been mapped separately, but have been included in undivided

Geologic Information

unit JTrp. Rhythmic cycles 2 to 7 m (7-23 ft) of thick gray-bed sequences (Trpg), termed Van Houten cycles by Olsen (1985), contain basal thin-bedded to finely laminated shale to siltstone, which grade upward through laminated to microlaminated, locally calcareous mudstone to siltstone and finally into massive silty mudstone. Lowest part of cycle has some desiccation features and local fossils; middle part has highest organic content and the most fossils; highest part contains mudcracks, burrows, and root casts. Gray-bed cycles are abundant in lower half of Passaic Formation and less common in upper half. Rocks of the Passaic Formation have been locally thermally metamorphosed to hornfels where in contact with the Orange Mountain Basalt, diabase dikes, and sheetlike intrusions. Total thickness of formation ranges from 3500 to 3600 m (11480-11810 ft).

Geologic Unit JTrpms

Unit Name:	Passaic Formation Mudstone facies
Unit Age:	Lower Jurassic and Upper Triassic
Primary Rock Type:	Sandstone-mudstone
Secondary Rock Type:	Siltstone-mudstone
Unit Description:	Sandy mudstone (JTrpms) is reddish-brown to brownish-red, massive, silty to sandy mudstone and siltstone, which are bioturbated, ripple cross-laminated and interbedded with lenticular sandstone. To southwest where similar lithologic units also occur, they have not been mapped separately, but have been included in undivided unit JTrp.

Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit AmdB (6.57%)

Map Unit Name:	Amwell gravelly loam, 2 to 6 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	76cm
Drainage Class - Dominant:	Somewhat poorly drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Amwell(90%)	
horizon A(0cm to 8cm)	Gravelly loam
horizon BA(8cm to 36cm)	Gravelly loam
horizon Bt(36cm to 53cm)	Clay loam
horizon Bx1(53cm to 66cm)	Loam
horizon Bx2(66cm to 91cm)	Fine sandy loam
horizon C1(91cm to 117cm)	Fine sandy loam
horizon C2(117cm to 152cm)	Fine sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: AmdB - Amwell gravelly loam, 2 to 6 percent slopes

Component: Amwell (90%)

The Amwell component makes up 90 percent of the map unit. Slopes are 2 to 6 percent. This component is on uplands valley flats on piedmonts. The parent material consists of loamy colluvium derived from igneous rock. Depth to a root restrictive layer, fragipan, is 18 to 30 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 30 inches during January, February, March, April, May, June, October, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Watchung (10%)

Generated brief soil descriptions are created for major soil components. The Watchung soil is a minor component.

Map Unit BoyAt (13.11%)

Map Unit Name:	Bowmansville silt loam, 0 to 2 percent slopes, frequently flooded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	15cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Bowmansville(85%)	
horizon Ap(0cm to 23cm)	Silt loam
horizon Ag(23cm to 43cm)	Silt loam
horizon Bg1(43cm to 66cm)	Clay loam
horizon Bg2(66cm to 96cm)	Sandy clay loam
horizon Cg(96cm to 119cm)	Fine sandy loam
horizon 2C(119cm to 152cm)	Stratified gravel to sand

Soil Information

Component Description:

Minor map unit components are excluded from this report.

Map Unit: BoyAt - Bowmansville silt loam, 0 to 2 percent slopes, frequently flooded

Component: Bowmansville (85%)

The Bowmansville, frequently flooded component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains on piedmonts. The parent material consists of recent deposits of loamy alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is frequently flooded. It is frequently ponded. A seasonal zone of water saturation is at 6 inches during January, February, March, April, May, October, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 6w. This soil meets hydric criteria.

Component: Fluvaquents (5%)

Generated brief soil descriptions are created for major soil components. The Fluvaquents, loamy, frequently flooded soil is a minor component.

Component: Raritan (5%)

Generated brief soil descriptions are created for major soil components. The Raritan, rarely flooded soil is a minor component.

Component: Rowland (5%)

Generated brief soil descriptions are created for major soil components. The Rowland, frequently flooded soil is a minor component.

Map Unit DunB (0.71%)

Map Unit Name:	Dunellen sandy loam, 3 to 8 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Dunellen(85%)

horizon A1(0cm to 20cm)	Sandy loam
horizon A2(20cm to 36cm)	Sandy loam
horizon BA(36cm to 51cm)	Sandy loam
horizon Bt(51cm to 78cm)	Sandy loam
horizon C(78cm to 107cm)	Sandy loam
horizon 2C(107cm to 178cm)	Loamy sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: DunB - Dunellen sandy loam, 3 to 8 percent slopes

Component: Dunellen (85%)

The Dunellen component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on outwash plains, outwash plains. The parent material consists of coarse-loamy outwash derived from sandstone. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Tunkhannock (10%)

Generated brief soil descriptions are created for major soil components. The Tunkhannock soil is a minor component.

Component: Udorthents (5%)

Soil Information

Generated brief soil descriptions are created for major soil components. The Udorthents, Dunellen substratum soil is a minor component.

Map Unit DuuA (23.72%)

Map Unit Name:	Dunellen-Urban land complex, 0 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Dunellen(55%)	
horizon A(0cm to 15cm)	Loam
horizon Bt1(15cm to 38cm)	Loam
horizon Bt2(38cm to 66cm)	Loam
horizon 2C(66cm to 168cm)	Stratified gravelly sand to sand to loamy sand
Urban land(30%)	
horizon C(0cm to 152cm)	Variable

Component Description:

Minor map unit components are excluded from this report.

Map Unit: DuuA - Dunellen-Urban land complex, 0 to 3 percent slopes

Component: Dunellen (55%)

The Dunellen component makes up 55 percent of the map unit. Slopes are 0 to 3 percent. This component is on outwash plains on outwash plains. The parent material consists of coarse-loamy outwash derived from sandstone. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 1. This soil does not meet hydric criteria.

Component: Urban land (30%)

Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: Udorthents (5%)

Generated brief soil descriptions are created for major components. The Udorthents soil is a minor component.

Component: Pascack (5%)

Generated brief soil descriptions are created for major components. The Pascack soil is a minor component.

Component: Riverhead (5%)

Generated brief soil descriptions are created for major components. The Riverhead soil is a minor component.

Map Unit DuxA (6.31%)

Map Unit Name:	Dunellen moderately well drained sandy loam, 0 to 2 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	84cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Dunellen(95%)	
horizon Oa(0cm to 5cm)	Highly decomposed plant material

Soil Information

horizon A(5cm to 15cm)	Sandy loam
horizon E(15cm to 33cm)	Sandy loam
horizon BE(33cm to 48cm)	Sandy loam
horizon Bt(48cm to 69cm)	Sandy loam
horizon 2C(69cm to 152cm)	Stratified gravelly sand to sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: DuxA - Dunellen moderately well drained sandy loam, 0 to 2 percent slopes

Component: Dunellen (95%)

The Dunellen, moderately well drained component makes up 95 percent of the map unit. Slopes are 0 to 2 percent. This component is on outwash terraces on piedmonts. The parent material consists of coarse-loamy outwash derived from sandstone. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 33 inches (depth from the mineral surface is 31 inches) during January, February, March, April, December. Organic matter content in the surface horizon is about 85 percent. Below this thin organic horizon the organic matter content is about 2 percent. Nonirrigated land capability classification is 2s. This soil does not meet hydric criteria.

Component: Lamington (5%)

Generated brief soil descriptions are created for major soil components. The Lamington soil is a minor component.

Map Unit DuyB (6.87%)

Map Unit Name:	Dunellen moderately well drained variant-Urban land complex, 0 to 6 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	84cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Dunellen(55%)

horizon Oa(0cm to 5cm)	Highly decomposed plant material
horizon A(5cm to 15cm)	Sandy loam
horizon E(15cm to 33cm)	Sandy loam
horizon BE(33cm to 48cm)	Sandy loam
horizon Bt(48cm to 69cm)	Sandy loam
horizon 2C(69cm to 152cm)	Stratified gravelly sand to sandy loam

Urban land(30%)

horizon C(0cm to 152cm)	Variable
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Component Description:

Minor map unit components are excluded from this report.

Map Unit: DuyB - Dunellen moderately well drained variant-Urban land complex, 0 to 6 percent slopes

Component: Dunellen (55%)

The Dunellen, moderately well drained component makes up 55 percent of the map unit. Slopes are 0 to 5 percent. This component is on outwash terraces on piedmonts. The parent material consists of coarse-loamy outwash derived from sandstone. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 33 inches (depth from the mineral surface is 31 inches) during January, February, March, April, December. Organic matter content in the surface horizon is about 85 percent. Below this thin organic horizon the organic matter content is about 2 percent. Nonirrigated land capability classification is 2s. This soil does not meet hydric criteria.

Soil Information

Component: Urban land (30%)

Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: Rowland (5%)

Generated brief soil descriptions are created for major soil components. The Rowland, frequently flooded soil is a minor component.

Component: Parsippany (5%)

Generated brief soil descriptions are created for major soil components. The Parsippany, very poorly drained soil is a minor component.

Component: Ellington (5%)

Generated brief soil descriptions are created for major soil components. The Ellington, moderately deep soil is a minor component.

Map Unit HcuAt (1.45%)

Map Unit Name:	Hatboro-Codorus complex, 0 to 3 percent slopes, frequently flooded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	8cm
Drainage Class - Dominant:	Poorly drained
Hydrologic Group - Dominant:	B/D - These soils have moderately low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Hatboro(60%)

horizon A(0cm to 28cm)	Silt loam
horizon Bg1(28cm to 46cm)	Silt loam
horizon Bg2(46cm to 74cm)	Silt loam
horizon BCg(74cm to 112cm)	Silt loam
horizon Cg1(112cm to 140cm)	Silty clay loam
horizon Cg2(140cm to 203cm)	Sandy loam

Codorus(35%)

horizon Ap(0cm to 28cm)	Silt loam
horizon Bw1(28cm to 46cm)	Silt loam
horizon Bw2(46cm to 102cm)	Gravelly silt loam
horizon 2C(102cm to 203cm)	Very gravelly silt loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: HcuAt - Hatboro-Codorus complex, 0 to 3 percent slopes, frequently flooded

Component: Hatboro (60%)

The Hatboro, frequently component makes up 60 percent of the map unit. Slopes are 0 to 3 percent. This component is on flood plains, piedmonts. The parent material consists of loamy alluvium derived from greenstone and/or phyllite and/or quartzite and/or schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is frequently flooded. It is frequently ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 5w. This soil meets hydric criteria.

Component: Codorus (35%)

The Codorus, occasional component makes up 35 percent of the map unit. Slopes are 0 to 3 percent. This component is on flood plains, piedmonts. The parent material consists of loamy alluvium derived from phyllite and/or mica schist and/or greenstone and/or old loamy alluvium derived from phyllite and/or mica schist and/or greenstone. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is occasionally flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Soil Information

Component: Delanco (5%)

Generated brief soil descriptions are created for major soil components. The Delanco soil is a minor component.

Map Unit MopCb (12.86%)

Map Unit Name:	Mount Lucas-Watchung silt loams, 6 to 12 percent slopes, very stony
Bedrock Depth - Min:	142cm
Watertable Depth - Annual Min:	15cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Mount Lucas(55%)

horizon A1(0cm to 5cm)	Silt loam
horizon A2(5cm to 20cm)	Silt loam
horizon BA(20cm to 36cm)	Silt loam
horizon Bt1(36cm to 58cm)	Silt loam
horizon Bt2(58cm to 89cm)	Silty clay loam
horizon C(89cm to 142cm)	Cobbly loam
horizon R(142cm to 203cm)	Unweathered bedrock

Watchung(40%)

horizon A(0cm to 23cm)	Silt loam
horizon BA(23cm to 33cm)	Silt loam
horizon Btg(33cm to 64cm)	Silty clay loam
horizon Btg(64cm to 91cm)	Silty clay loam
horizon C(91cm to 152cm)	Gravelly loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: MopCb - Mount Lucas-Watchung silt loams, 6 to 12 percent slopes, very stony

Component: Mount Lucas (55%)

The Mount Lucas, very stony component makes up 55 percent of the map unit. Slopes are 6 to 12 percent. This component is on concave lower slopes hills, piedmonts. The parent material consists of dark colored basic rocks or loamy residuum weathered from diabase. Depth to a root restrictive layer, bedrock, lithic, is 48 to 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 18 inches during January, February, March, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria.

Component: Watchung (40%)

The Watchung, very stony component makes up 40 percent of the map unit. Slopes are 6 to 12 percent. This component is on depressions on piedmonts. The parent material consists of fine-silty residuum weathered from diabase. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 6 inches during January, February, March, April, May, June, December. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 7s. This soil meets hydric criteria.

Component: Neshaminy (5%)

Generated brief soil descriptions are created for major soil components. The Neshaminy soil is a minor component.

Map Unit NehEb (13.59%)

Map Unit Name:	Neshaminy silt loam, 18 to 35 percent slopes, very stony
Bedrock Depth - Min:	152cm

Soil Information

Watertable Depth - Annual Min: null
Drainage Class - Dominant: Well drained
Hydrologic Group - Dominant: B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Neshaminy(85%)

horizon A(0cm to 15cm)	Silt loam
horizon BA(15cm to 28cm)	Silt loam
horizon Bt(28cm to 76cm)	Silty clay loam
horizon BC(76cm to 107cm)	Silt loam
horizon C(107cm to 152cm)	Gravelly loam
horizon R(152cm to 203cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: NehEb - Neshaminy silt loam, 18 to 35 percent slopes, very stony

Component: Neshaminy (85%)

The Neshaminy, very stony component makes up 85 percent of the map unit. Slopes are 18 to 35 percent. This component is on hills on piedmonts. The parent material consists of dark colored basic rocks or loamy residuum weathered from diabase. Depth to a root restrictive layer, bedrock, lithic, is 48 to 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria.

Component: Penn (5%)

Generated brief soil descriptions are created for major soil components. The Penn soil is a minor component.

Component: Lawrenceville (5%)

Generated brief soil descriptions are created for major soil components. The Lawrenceville soil is a minor component.

Component: Mount Lucas (5%)

Generated brief soil descriptions are created for major soil components. The Mount Lucas, very stony soil is a minor component.

Map Unit NemDb (9.55%)

Map Unit Name: Neshaminy-Mount Lucas silt loams, 12 to 18 percent slopes, very stony
Bedrock Depth - Min: 142cm
Watertable Depth - Annual Min: 46cm
Drainage Class - Dominant: Well drained
Hydrologic Group - Dominant: B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Neshaminy(55%)

horizon A(0cm to 10cm)	Silt loam
horizon E(10cm to 25cm)	Silt loam
horizon BE(25cm to 36cm)	Gravelly silt loam
horizon Bt(36cm to 117cm)	Gravelly silt loam
horizon C(117cm to 203cm)	Cobbly loam
horizon R(203cm to 228cm)	Weathered bedrock

Mount Lucas(40%)

horizon A(0cm to 20cm)	Silt loam
horizon BA(20cm to 36cm)	Silt loam
horizon Bt(36cm to 89cm)	Silt loam
horizon C(89cm to 142cm)	Cobbly loam
horizon R(142cm to 203cm)	Unweathered bedrock

Soil Information

Component Description:

Minor map unit components are excluded from this report.

Map Unit: NemDb - Neshaminy-Mount Lucas silt loams, 12 to 18 percent slopes, very stony

Component: Neshaminy (55%)

The Neshaminy, very stony component makes up 55 percent of the map unit. Slopes are 12 to 18 percent. This component is on hills on piedmonts. The parent material consists of dark colored basic rocks or loamy residuum weathered from diabase. Depth to a root restrictive layer, bedrock, lithic, is 48 to 80 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria.

Component: Mount Lucas (40%)

The Mount Lucas, very stony component makes up 40 percent of the map unit. Slopes are 12 to 18 percent. This component is on concave lower slopes hills on piedmonts. The parent material consists of dark colored basic rocks or loamy residuum weathered from diabase. Depth to a root restrictive layer, bedrock, lithic, is 48 to 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 18 inches during January, February, March, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 6s. This soil does not meet hydric criteria.

Component: Watchung (5%)

Generated brief soil descriptions are created for major soil components. The Watchung, very stony soil is a minor component.

Map Unit PsuB (0.57%)

Map Unit Name:	Psamments, waste substratum, 0 to 8 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.
Major components are printed below	
Psamments(85%)	
horizon C(0cm to 152cm)	Sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: PsuB - Psamments, waste substratum, 0 to 8 percent slopes

Component: Psamments (85%)

The Psamments, waste substratum component makes up 85 percent of the map unit. Slopes are 0 to 8 percent. This component is on fills, hills on uplands. The parent material consists of sandy lateral spread deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 0 percent. Nonirrigated land capability classification is 7s. This soil does not meet hydric criteria.

Component: Appoquinimink (5%)

Generated brief soil descriptions are created for major soil components. The Appoquinimink, very frequently flooded soil is a minor component.

Component: Pawcatuck (5%)

Generated brief soil descriptions are created for major soil components. The Pawcatuck, very frequently flooded soil is a minor component.

Component: Transquaking (5%)

Soil Information

Generated brief soil descriptions are created for major soil components. The Transquaking, very frequently flooded soil is a minor component.

Map Unit RorAt (4.69%)

Map Unit Name:	Rowland silt loam, 0 to 2 percent slopes, frequently flooded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	61cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Rowland(85%)	
horizon A1(0cm to 8cm)	Silt loam
horizon A2(8cm to 25cm)	Silt loam
horizon B(25cm to 102cm)	Silt loam
horizon 2C(102cm to 165cm)	Stratified g to sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: RorAt - Rowland silt loam, 0 to 2 percent slopes, frequently flooded

Component: Rowland (85%)

The Rowland, frequently flooded component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains on piedmonts. The parent material consists of red and brown fine-loamy alluvium derived from sandstone and shale and/or conglomerate. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is frequently flooded. It is frequently ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.

Component: Bowmansville (5%)

Generated brief soil descriptions are created for major soil components. The Bowmansville, frequently flooded soil is a minor component.

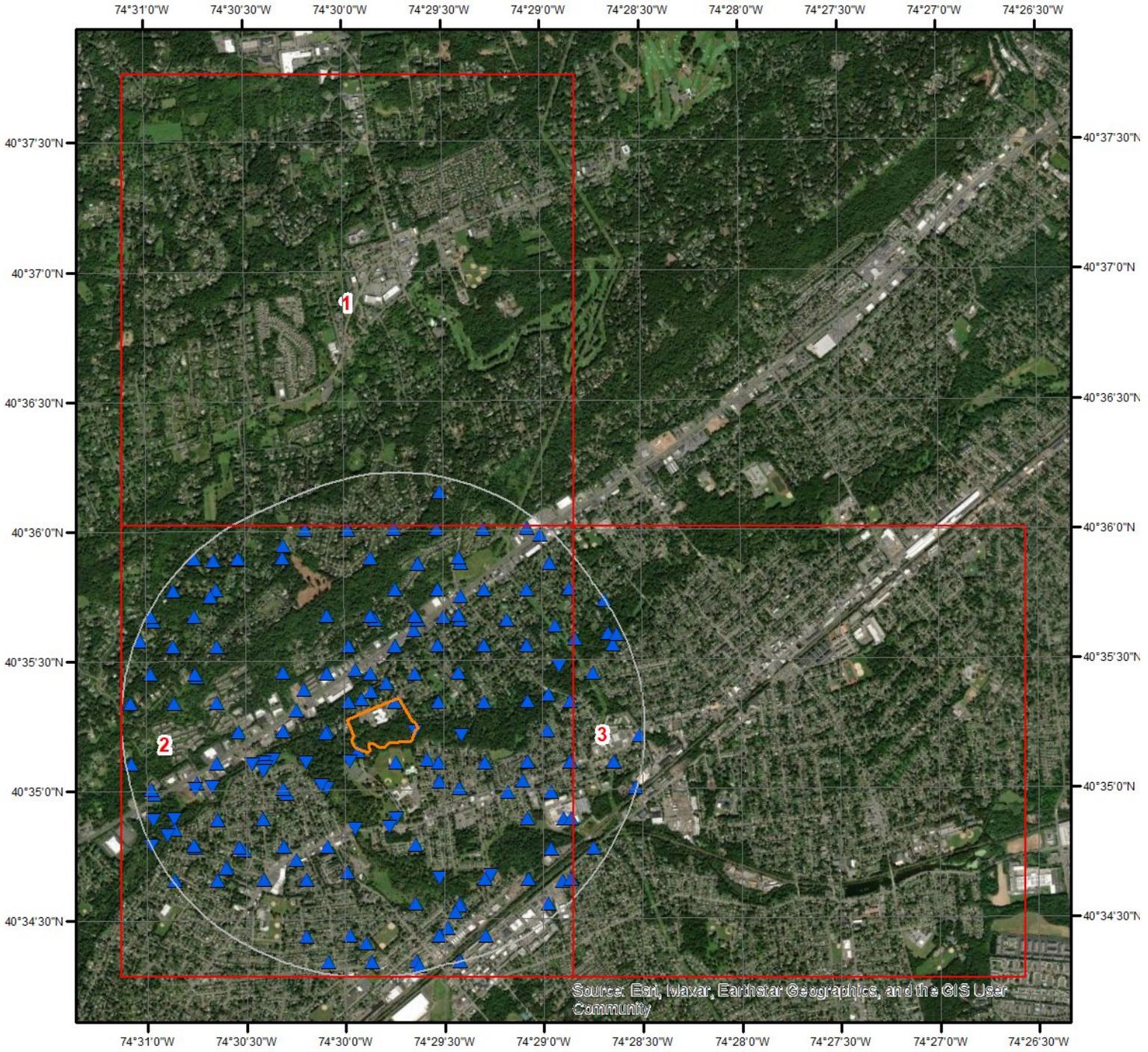
Component: Birdsboro (5%)

Generated brief soil descriptions are created for major soil components. The Birdsboro soil is a minor component.

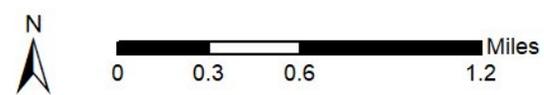
Component: Raritan (5%)

Generated brief soil descriptions are created for major soil components. The Raritan, rarely flooded soil is a minor component.

Wells and Additional Sources



Wells & Additional Sources



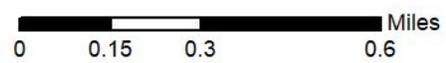
- | | |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation | ▲ OGW Sites with Higher Elevation |
| ■ Sites with Same Elevation | ■ OGW Sites with Same Elevation |
| ▼ Sites with Lower Elevation | ▼ OGW Sites with Lower Elevation |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |



Wells and Additional Sources



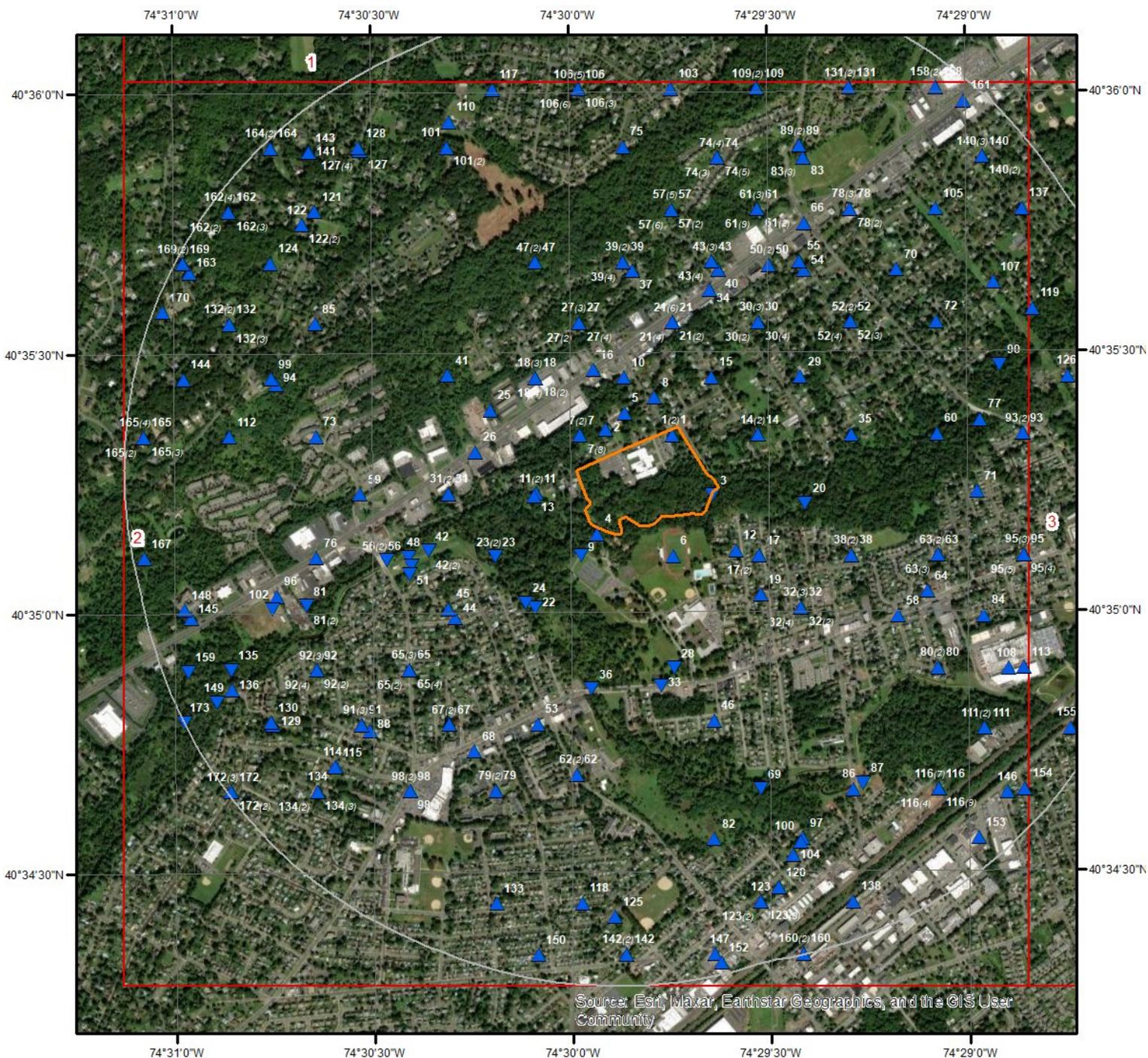
Wells & Additional Sources - Page 1



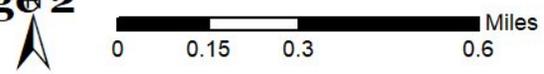
- | | |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation | ▲ OGW Sites with Higher Elevation |
| ■ Sites with Same Elevation | ■ OGW Sites with Same Elevation |
| ▼ Sites with Lower Elevation | ▼ OGW Sites with Lower Elevation |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |



Wells and Additional Sources



Wells & Additional Sources - Page 2



- | | |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation | ▲ OGW Sites with Higher Elevation |
| ■ Sites with Same Elevation | ■ OGW Sites with Same Elevation |
| ▼ Sites with Lower Elevation | ▼ OGW Sites with Lower Elevation |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |

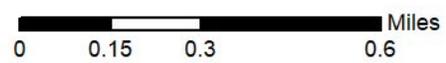


Wells and Additional Sources



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Wells & Additional Sources - Page 3



- | | |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation | ▲ OGW Sites with Higher Elevation |
| ■ Sites with Same Elevation | ■ OGW Sites with Same Elevation |
| ▼ Sites with Lower Elevation | ▼ OGW Sites with Lower Elevation |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |



Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	ID	Distance (ft)	Direction
No records found			

Safe Drinking Water Information System (SDWIS)

Map Key	PWS ID	Distance (ft)	Direction
16	NJ1808003	993.91	NNW
26	NJ1816204	1194.26	W
34	NJ1816203	1641.61	NNE
66	NJ1815203	2803.90	NNE
161	NJ1816201	5070.01	NE

USGS National Water Information System

Map Key	Site No	Distance (ft)	Direction
4	USGS-01403800	65.35	SW
24	USGS-01403390	1198.23	SW
33	USGS-403451074294801	1840.74	S
36	USGS-01403385	1837.20	SSW
51	USGS-403504074302601	2183.82	WSW
56	USGS-01403900	2393.96	WSW
56	USGS-403506074302801	2393.96	WSW
77	USGS-01403700	3155.47	E
87	USGS-01403380	3673.05	SE

State Sources

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction
No records found			

Public Community Water Supply Well Head Protection Areas

Map Key	Well ID	Distance (ft)	Direction
2	4500043.0	294.28	NW
5	2511582.0	385.30	NNW
42	2511582.0	1890.26	WSW
42	2511582.0	1890.26	WSW
49	4500043.0	2122.58	WSW
49	4500043.0	2122.58	WSW
90	4500024.0	3577.67	ENE
107	2502717.0	4001.26	ENE
119	2500632.0	4226.07	ENE
126	4500026.0	4283.28	ENE
136	2511582.0	4603.23	WSW
149	4500043.0	4823.13	WSW

Wells and Additional Sources Summary

156	2500572.0	4965.69	ENE
159	4544720.0	4993.70	WSW
166	2502715.0	5131.63	ENE
168	2500633.0	5278.44	ENE

Well Permits

Map Key	Permit No	Distance (ft)	Direction
1	2500012811	0.00	-
1	2500005951	0.00	-
3	2500004652	17.57	E
6	2500052617	444.10	SSE
7	2500001542	354.51	NW
7	2500001302	354.51	NW
7	2500000343	354.51	NW
8	A2106053	422.18	N
9	2500055928	386.21	SW
10	2500030358	774.10	NNW
11	2500015911	527.72	W
11	2500015077	527.72	W
11	2500001144	527.72	W
12	A1706074	576.38	SE
13	2500005078	563.39	W
14	2500023475	738.92	ENE
14	2500003015	738.92	ENE
15	2500028845	710.69	NNE
17	2500009070	818.12	ESE
17	2500008756	818.12	ESE
17	2500008317	818.12	ESE
18	2500027378	1178.91	NW
18	2500015202	1178.91	NW
18	2500027379	1178.91	NW
18	2500027377	1178.91	NW
19	A1908149	1167.81	SE
20	2500027726	1027.36	E
21	2500055514	1225.48	N
21	2500056311	1225.48	N
21	2500015273	1225.48	N
21	2500055515	1225.48	N
21	2500061187	1225.48	N
21	2500055516	1225.48	N
21	2500001715	1225.48	N
22	2500004378	1183.76	SW
23	2500015077	1169.61	WSW
23	2500005364	1169.61	WSW
25		1225.75	WNW
27	2500003451	1561.35	NNW
27	2500059157	1561.35	NNW
27	2500004018	1561.35	NNW
27	2500053483	1561.35	NNW
28	2500006610	1697.02	S
29	2500007116	1528.24	NE
30	2500001394	1546.97	NE
30	2500002072	1546.97	NE
30	2500015076	1546.97	NE
30	2500008414	1546.97	NE
30	2500009071	1546.97	NE
31	2500010272	1517.63	W
31	2500007307	1517.63	W
32	2500009320	1589.10	SE
32	2500009863	1589.10	SE
32	2500030707	1589.10	SE
32	2500009071	1589.10	SE
35	2500030707	1666.71	ENE

Wells and Additional Sources Summary

37	2500026101	1903.07	N
37	2500026101	1903.07	N
37	2500023704	1903.07	N
37	2500023706	1903.07	N
37	2500023705	1903.07	N
37	2500026101	1903.07	N
38	2500001317	1744.19	ESE
38	2500009394	1744.19	ESE
39	2500022015	2029.55	N
39	2500026045	2029.55	N
39	2500025080	2029.55	N
39	2500024498	2029.55	N
39	2500030679	2029.55	N
39	2500025078	2029.55	N
39	2500025079	2029.55	N
40	2500028701	1893.61	NNE
40	2500023562	1893.61	NNE
40	2500023564	1893.61	NNE
40	2500023563	1893.61	NNE
41	2500004702	1865.37	WNW
43	2500027726	1974.15	NNE
43	2500016466	1974.15	NNE
43	250003879A	1974.15	NNE
43	2500011466	1974.15	NNE
44	2500063361	1916.16	SW
45	2500011261	1927.14	WSW
46	2500004408	2397.09	SSE
47	2500026234	2413.93	NNW
47	2500028701	2413.93	NNW
48	2500007307	2126.38	WSW
50		2170.98	NNE
50		2170.98	NNE
52	2500000387	2366.67	NE
52	2500044611	2366.67	NE
52	2500018779	2366.67	NE
52	2500002641	2366.67	NE
53	2500011919	2395.04	SSW
54	2500024431	2357.91	NE
55	2500015076	2406.40	NE
55	2500030044	2406.40	NE
55	2500010644	2406.40	NE
55	2500002072	2406.40	NE
57	2500005674	2539.43	N
57	2500000129	2539.43	N
57	2500004066	2539.43	N
57	2500006681	2539.43	N
57	2500056318	2539.43	N
57	2500003291	2539.43	N
58	2500063268	2566.38	ESE
59	2500008286	2536.84	W
60	2500009863	2625.04	E
61	2500003820	2709.25	NNE
61	2500001987	2709.25	NNE
61	2500003819	2709.25	NNE
61	2500038982	2709.25	NNE
61	2500014928	2709.25	NNE
61	2500015375	2709.25	NNE
61	2500002606	2709.25	NNE
61	2500000524	2709.25	NNE
61	2500016319	2709.25	NNE
62		2846.62	SSW
62		2846.62	SSW
63	2500010536	2675.04	ESE
63	2500030044	2675.04	ESE
63	2500030020	2675.04	ESE
64	E202108466	2721.84	ESE

Wells and Additional Sources Summary

65	2500003096	2712.86	SW
65	2500005775	2712.86	SW
65	2500003095	2712.86	SW
65	2500003094	2712.86	SW
65	2500011543	2712.86	SW
65	2500004017	2712.86	SW
65	2500011544	2712.86	SW
67	2500024685	2863.22	SW
67	2500011545	2863.22	SW
68	E202012083	2976.20	SSW
69	2500001846	3291.16	SSE
70	2500024498	3151.77	NE
71	2500011215	3015.03	E
72	2500003089	3191.27	ENE
73	2500005682	3064.01	W
74	2500026045	3182.48	NNE
74	2500026234	3182.48	NNE
74	2500027377	3182.48	NNE
74	2500027379	3182.48	NNE
74	2500027378	3182.48	NNE
75	2500008197	3338.99	N
76	2500020058	3186.14	WSW
78	2500030679	3247.80	NE
78	2500003083	3247.80	NE
78	2500043961	3247.80	NE
79	2500008360	3294.48	SSW
79	2500008361	3294.48	SSW
80	2500008678	3277.97	ESE
80	2500002132	3277.97	ESE
81		3437.50	WSW
81		3437.50	WSW
82	2500007910	3729.48	S
83	2500025079	3478.82	NNE
83	2500025080	3478.82	NNE
83	2500025078	3478.82	NNE
84	2500024497	3440.48	ESE
85	2500001275	3491.76	WNW
86	2500003098	3668.77	SE
88	2500024685	3526.45	SW
89	2500001292	3580.58	NNE
89	2500000524	3580.58	NNE
91	2500001094	3557.37	SW
91	2500020868	3557.37	SW
91	2500008135	3557.37	SW
92	2500001398	3617.31	WSW
92	2500021907	3617.31	WSW
92	4500049005	3617.31	WSW
92	2500007826	3617.31	WSW
93	2500014413	3607.40	E
93	2500009551	3607.40	E
94	2500065670	3644.03	WNW
95	2500048340	3643.25	E
95	2500017797	3643.25	E
95	2500001235	3643.25	E
95	2500018436	3643.25	E
95	2500022625	3643.25	E
96	E202105824	3733.99	WSW
97	2500016248	3969.71	SSE
98	2500051712	3764.50	SW
98	2500060128	3764.50	SW
98	2500002625	3764.50	SW
99	2500009136	3712.96	WNW
100	2500004944	3994.71	SSE
101	2500007985	4061.81	NNW
101	2500008402	4061.81	NNW
102	2500001050	3825.20	WSW

Wells and Additional Sources Summary

103	2500009519	3955.81	N
104	A1204053	4120.89	SSE
105	2500002073	3951.67	NE
106	2500004086	4115.47	N
106	2500007775	4115.47	N
106	2500010271	4115.47	N
106	2500010644	4115.47	N
106	2500011288	4115.47	N
106	2400010270	4115.47	N
106	2500011466	4115.47	N
106	2500011162	4115.47	N
106	2500009870	4115.47	N
106	2500010673	4115.47	N
106	2500014123	4115.47	N
106	2500011215	4115.47	N
106	2500012342	4115.47	N
106	2500014115	4115.47	N
106	2500010672	4115.47	N
106	2500010689	4115.47	N
108	2500017060	3991.48	ESE
109	2500006210	4066.91	NNE
109	250003879A	4066.91	NNE
110	E202111811	4323.10	NNW
111	2500023681	4130.94	SE
111	2500028845	4130.94	SE
112	2500016220	4060.00	W
113	2500036406	4136.69	ESE
114	E201811138	4104.82	SW
115	E201811138	4117.47	SW
116	2500021167	4234.50	SE
116	2500022811	4234.50	SE
116	2500020230	4234.50	SE
116	2500020901	4234.50	SE
116	2500020900	4234.50	SE
116	2500030358	4234.50	SE
116	2500022811	4234.50	SE
116	2500015990	4234.50	SE
116	2500042294	4234.50	SE
116	2500022811	4234.50	SE
116	2500006672	4234.50	SE
117	2500009324	4468.88	NNW
118	2500007960	4325.97	S
120	A1506118	4456.40	SSE
121	2500042862	4295.62	NW
121	2500004039	4295.62	NW
122		4296.71	NW
122		4296.71	NW
123	2500017013	4586.65	SSE
123	2500003688	4586.65	SSE
123	2500001845	4586.65	SSE
123	2500022556	4586.65	SSE
123	2500017012	4586.65	SSE
124	2500001095	4303.28	WNW
125	2500008973	4470.89	S
127	2500004827	4502.71	NW
127	2500004826	4502.71	NW
127	2500004825	4502.71	NW
127	2500004828	4502.71	NW
128	2500028796	4544.58	NW
129	2500013075	4385.39	WSW
130	2500004925	4389.48	WSW
131	2500009198	4443.87	NNE
131	2500009197	4443.87	NNE
132	2500003176	4391.79	WNW
132	2500018069	4391.79	WNW
132	2500009137	4391.79	WNW

Wells and Additional Sources Summary

133	2500008973	4529.61	SSW
134	2500007314	4461.30	SW
134	2500005442	4461.30	SW
134	2500000017	4461.30	SW
135	2500003207	4522.96	WSW
135	2500002932	4522.96	WSW
135	2500005715	4522.96	WSW
135	2500003195	4522.96	WSW
135	2500002933	4522.96	WSW
135	2500005363	4522.96	WSW
135	2500006991	4522.96	WSW
135	2500007487	4522.96	WSW
135	2500005680	4522.96	WSW
137	2500001218	4764.37	NE
138	2500022715	4864.71	SSE
139	2500006445	4626.75	E
139	2500017199	4626.75	E
139	2500006446	4626.75	E
139	2500007023	4626.75	E
140	2500025190	4757.37	NE
140	2500025190	4757.37	NE
140	2500025190	4757.37	NE
141	E201112971	4840.91	NW
142	2500006604	4912.86	S
142	2500011373	4912.86	S
143	E201112971	4851.39	NW
144	2500010271	4705.56	WNW
145	2500065118	4768.62	WSW
146	A1407057	4816.10	SE
147	2500008901	5033.89	S
148	2500008175	4818.84	WSW
150	2500010673	4998.32	SSW
151	A1405097	4929.78	NNE
152	2500069757	5149.51	S
153	2500010586	4971.65	SE
154	2500000538	4938.63	SE
155	2500023920	4960.48	ESE
157	2500055335	4949.37	ENE
158	2500014889	4981.51	NE
158	2500012997	4981.51	NE
160	250003687A	5273.74	SSE
160	2500024497	5273.74	SSE
162	2500007243	5054.48	WNW
162	2500010379	5054.48	WNW
162	2500009138	5054.48	WNW
162	2500006879	5054.48	WNW
163	2500023703	5069.68	WNW
164	2500022135	5186.04	NW
164	2500021685	5186.04	NW
165	2500007830	5058.73	W
165	2500005942	5058.73	W
165	2500018351	5058.73	W
165	2500015854	5058.73	W
167	2500001050	5141.88	W
169	2500026965	5184.74	WNW
169	2500006814	5184.74	WNW
170	E202102695	5166.93	WNW
171	2500029267	5177.45	E
172	2500008135	5226.88	SW
172	2500005426	5226.88	SW
172	2500005714	5226.88	SW
173	2500004926	5266.06	WSW
174	2500015990	5263.42	ESE

Wells and Additional Sources Detail Report

Safe Drinking Water Information System (SDWIS)

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	NNW	0.19	993.91	67.46	SDWIS

PWS ID: NJ1808003
PWS Type Code: CWS
PSW Type: Community water system
Primary Source Code: GW
Primary Source: Ground water
Pws Activity Code: I
Activity: Inactive
PWS Deactivation Dt: 05/01/1988
Phone No: 201-563-1414
Phone Ext No:
Admin Name:
Alt Phone No:
Email Addr:
Fax No:
Cds ID:
Population Served Count: 38
Epa Region Desc: Region 2
Epa Region: 02
First Reported Date: 11/27/1984
Gw or Sw: Groundwater
Is Grant Eligible Ind: No
Outstanding Performer:
Is School or Daycare Ind: No
Is Wholesaler Ind: No
Lt2 Schedule Cat:
Last Reported Date: 01/11/2005
Org Name:
Outstanding Perform
Begin Date:
Owner Type: Private
Pop Cat 11: <=100
Pop Cat 2: <10,000
Pop Cat 3: <=3300
Pop Cat 4: <10K
Pop Cat 5: <=500
Primacy Agency: New Jersey
Primacy Agency Code: NJ
Season Begin Date: 01-01
Season End Date: 12-31
Service Connections
Count: 19
Submission Yr Qtr: 2023Q3

Wells and Additional Sources Detail Report

Primacy Type: State
 Dbpr Schedule Category:
 Submission Status: Reported and accepted
 Reduced Monitoring Begin:
 Reduced Monitoring End Date:
 Reduced Rtrc Monitoring:
 Seasonal Startup System:
 Source Protection Begin Date:
 City Served:
 County Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
26	W	0.23	1,194.26	59.99	SDWIS

PWS ID: NJ1816204
 PWS Type Code: TNCWS
 PSW Type: Transient non-community system
 Primary Source Code: GW
 Primary Source: Ground water
 Pws Activity Code: I
 Activity: Inactive
 PWS Deactivation Dt: 01/01/1996
 Phone No: 201-968-1218
 Phone Ext No:
 Admin Name: RUDYS EVERGREEN
 Alt Phone No:
 Email Addr:
 Fax No:
 Cds ID:
 Population Served Count: 25
 Epa Region Desc: Region 2
 Epa Region: 02
 First Reported Date: 03/01/1980
 Gw or Sw: Groundwater
 Is Grant Eligible Ind: No
 Outstanding Performer:
 Is School or Daycare Ind: No
 Is Wholesaler Ind: No
 Lt2 Schedule Cat:
 Last Reported Date: 06/03/1997
 Org Name:
 Outstanding Perform Begin Date:
 Owner Type:
 Pop Cat 11: <=100
 Pop Cat 2: <10,000

Wells and Additional Sources Detail Report

Pop Cat 3: <=3300
 Pop Cat 4: <10K
 Pop Cat 5: <=500
 Primacy Agency: New Jersey
 Primacy Agency Code: NJ
 Season Begin Date: 01-01
 Season End Date: 12-31
 Service Connections Count: 0
 Submission Yr Qtr: 2023Q3
 Primacy Type: State
 Dbpr Schedule Category:
 Submission Status: Reported and accepted
 Reduced Monitoring Begin:
 Reduced Monitoring End Date:
 Reduced Rtr Monitoring:
 Seasonal Startup System:
 Source Protection Begin Date:
 City Served:
 County Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
34	NNE	0.31	1,641.61	65.05	SDWIS

PWS ID: NJ1816203
 PWS Type Code: TNCWS
 PSW Type: Transient non-community system
 Primary Source Code: GW
 Primary Source: Ground water
 Pws Activity Code: I
 Activity: Inactive
 PWS Deactivation Dt: 01/01/1996
 Phone No: 201-968-9802
 Phone Ext No:
 Admin Name: HEAL INC
 Alt Phone No:
 Email Addr:
 Fax No:
 Cds ID:
 Population Served Count: 25
 Epa Region Desc: Region 2
 Epa Region: 02
 First Reported Date: 03/01/1980
 Gw or Sw: Groundwater
 Is Grant Eligible Ind: No
 Outstanding Performer:

Wells and Additional Sources Detail Report

Is School or Daycare Ind: No
 Is Wholesaler Ind: No
 Lt2 Schedule Cat:
 Last Reported Date: 06/03/1997
 Org Name:
 Outstanding Perform
 Begin Date:
 Owner Type:
 Pop Cat 11: <=100
 Pop Cat 2: <10,000
 Pop Cat 3: <=3300
 Pop Cat 4: <10K
 Pop Cat 5: <=500
 Primacy Agency: New Jersey
 Primacy Agency Code: NJ
 Season Begin Date: 01-01
 Season End Date: 12-31
 Service Connections
 Count: 0
 Submission Yr Qtr: 2023Q3
 Primacy Type: State
 Dbpr Schedule Category:
 Submission Status: Reported and accepted
 Reduced Monitoring
 Begin:
 Reduced Monitoring End
 Date:
 Reduced Rtr Monitoring:
 Seasonal Startup System:
 Source Protection Begin
 Date:
 City Served:
 County Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
66	NNE	0.53	2,803.90	70.66	SDWIS

PWS ID: NJ1815203
 PWS Type Code: TNCWS
 PSW Type: Transient non-community system
 Primary Source Code: GW
 Primary Source: Ground water
 Pws Activity Code: I
 Activity: Inactive
 PWS Deactivation Dt: 01/01/1996
 Phone No:
 Phone Ext No:
 Admin Name: TIKO TACO INC
 Alt Phone No:

Wells and Additional Sources Detail Report

Email Addr:
 Fax No:
 Cds ID:
 Population Served Count: 100
 Epa Region Desc: Region 2
 Epa Region: 02
 First Reported Date: 03/01/1980
 Gw or Sw: Groundwater
 Is Grant Eligible Ind: No
 Outstanding Performer:
 Is School or Daycare Ind: No
 Is Wholesaler Ind: No
 Lt2 Schedule Cat:
 Last Reported Date: 06/03/1997
 Org Name:
 Outstanding Perform
 Begin Date:
 Owner Type: Private
 Pop Cat 11: <=100
 Pop Cat 2: <10,000
 Pop Cat 3: <=3300
 Pop Cat 4: <10K
 Pop Cat 5: <=500
 Primacy Agency: New Jersey
 Primacy Agency Code: NJ
 Season Begin Date: 01-01
 Season End Date: 12-31
 Service Connections
 Count: 0
 Submission Yr Qtr: 2023Q3
 Primacy Type: State
 Dbpr Schedule Category:
 Submission Status: Reported and accepted
 Reduced Monitoring
 Begin:
 Reduced Monitoring End
 Date:
 Reduced Rtr Monitoring:
 Seasonal Startup System:
 Source Protection Begin
 Date:
 City Served:
 County Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
161	NE	0.96	5,070.01	75.50	SDWIS

PWS ID: NJ1816201
 PWS Type Code: TNCWS

Wells and Additional Sources Detail Report

PSW Type: Transient non-community system
Primary Source Code: GW
Primary Source: Ground water
Pws Activity Code: I
Activity: Inactive
PWS Deactivation Dt: 01/01/1996
Phone No: 201-752-9732
Phone Ext No:
Admin Name: COUNTRY SQUIRE LOUNGE
Alt Phone No:
Email Addr:
Fax No:
Cds ID:
Population Served Count: 25
Epa Region Desc: Region 2
Epa Region: 02
First Reported Date: 03/01/1980
Gw or Sw: Groundwater
Is Grant Eligible Ind: No
Outstanding Performer:
Is School or Daycare Ind: No
Is Wholesaler Ind: No
Lt2 Schedule Cat:
Last Reported Date: 06/03/1997
Org Name:
Outstanding Perform
Begin Date:
Owner Type:
Pop Cat 11: <=100
Pop Cat 2: <10,000
Pop Cat 3: <=3300
Pop Cat 4: <10K
Pop Cat 5: <=500
Primacy Agency: New Jersey
Primacy Agency Code: NJ
Season Begin Date: 01-01
Season End Date: 12-31
Service Connections
Count: 0
Submission Yr Qtr: 2023Q3
Primacy Type: State
Dbpr Schedule Category:
Submission Status: Reported and accepted
Reduced Monitoring
Begin:
Reduced Monitoring End
Date:
Reduced Rtr Monitoring:
Seasonal Startup System:
Source Protection Begin

Wells and Additional Sources Detail Report

Date:

City Served:

County Served:

USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	SW	0.01	65.35	40.37	FED USGS

Site No: USGS-01403800
Site Type: Stream
Formation Type:
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
Well Hole Depth Unit:
Reporting Agency: USGS New Jersey Water Science Center
Station Name: Green Bk at Green Brook NJ
Latitude: 40.58583330000000
Longitude: -74.49888889000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	SW	0.23	1,198.23	32.26	FED USGS

Site No: USGS-01403390
Site Type: Stream
Formation Type:
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
Well Hole Depth Unit:
Reporting Agency: USGS New Jersey Water Science Center
Station Name: Bound Brook upstream of Green Bk at Middlesex NJ
Latitude: 40.58361110000000
Longitude: -74.50194440000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
33	S	0.35	1,840.74	38.35	FED USGS

Site No: USGS-403451074294801
Site Type: Well
Formation Type: Passaic Formation
Date Drilled: 20021023
Well Depth: 27.5

Wells and Additional Sources Detail Report

Well Depth Unit: ft
 Well Hole Depth: 28
 Well Hole Depth Unit: ft
 Reporting Agency: USGS New Jersey Water Science Center
 Station Name: 231369-- MW128
 Latitude: 40.58093620000000
 Longitude: -74.4962653000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
36	SSW	0.35	1,837.20	30.63	FED USGS

Site No: USGS-01403385
 Site Type: Stream
 Formation Type:
 Date Drilled:
 Well Depth:
 Well Depth Unit:
 Well Hole Depth:
 Well Hole Depth Unit:
 Reporting Agency: USGS New Jersey Water Science Center
 Station Name: Bound Brook at Route 28 at Middlesex NJ
 Latitude: 40.58083330000000
 Longitude: -74.4991667000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	WSW	0.41	2,183.82	31.99	FED USGS

Site No: USGS-403504074302601
 Site Type: Well
 Formation Type: Brunswick Group Sedimentary
 Date Drilled: 19651119
 Well Depth: 430
 Well Depth Unit: ft
 Well Hole Depth: 430
 Well Hole Depth Unit: ft
 Reporting Agency: USGS New Jersey Water Science Center
 Station Name: 231061-- Sebrings Mill 8
 Latitude: 40.58454720000000
 Longitude: -74.5068213000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
56	WSW	0.45	2,393.96	28.66	FED USGS

Site No: USGS-01403900
 Site Type: Stream

Wells and Additional Sources Detail Report

Formation Type:
 Date Drilled:
 Well Depth:
 Well Depth Unit:
 Well Hole Depth:
 Well Hole Depth Unit:
 Reporting Agency: USGS New Jersey Water Science Center
 Station Name: Bound Brook at Middlesex NJ
 Latitude: 40.58500000000000
 Longitude: -74.50777778000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
56	WSW	0.45	2,393.96	28.66	FED USGS

Site No: USGS-403506074302801
 Site Type: Atmosphere
 Formation Type:
 Date Drilled:
 Well Depth:
 Well Depth Unit:
 Well Hole Depth:
 Well Hole Depth Unit:
 Reporting Agency: USGS New Jersey Water Science Center
 Station Name: Middlesex USGS heated rain gage NJ
 Latitude: 40.58500000000000
 Longitude: -74.50777778000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
77	E	0.60	3,155.47	41.77	FED USGS

Site No: USGS-01403700
 Site Type: Stream
 Formation Type:
 Date Drilled:
 Well Depth:
 Well Depth Unit:
 Well Hole Depth:
 Well Hole Depth Unit:
 Reporting Agency: USGS New Jersey Water Science Center
 Station Name: Green Bk at Dunellen NJ
 Latitude: 40.58944444000000
 Longitude: -74.48277778000000

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
87	SE	0.70	3,673.05	38.65	FED USGS

Wells and Additional Sources Detail Report

Site No: USGS-01403380
 Site Type: Stream
 Formation Type:
 Date Drilled:
 Well Depth:
 Well Depth Unit:
 Well Hole Depth:
 Well Hole Depth Unit:
 Reporting Agency: USGS New Jersey Water Science Center
 Station Name: Bound Bk at S Lincoln Av at Middlesex NJ
 Latitude: 40.57777778000000
 Longitude: -74.48777778000000

Public Community Water Supply Well Head Protection Areas

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	NW	0.06	294.28	49.98	PCWS

Tier: 3
 Well ID: 4500043.0
 Shape Length: 16979.1514464
 Shape Area: 7298220.81033

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	NNW	0.07	385.30	54.47	PCWS

Tier: 3
 Well ID: 2511582.0
 Shape Length: 17165.3700718
 Shape Area: 7458627.41013

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
42	WSW	0.36	1,890.26	36.01	PCWS

Tier: 1
 Well ID: 2511582.0
 Shape Length: 9145.03555487
 Shape Area: 5214665.14092

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
42	WSW	0.36	1,890.26	36.01	PCWS

Tier: 2
 Well ID: 2511582.0

Wells and Additional Sources Detail Report

Shape Length: 23673.3850727
 Shape Area: 7851240.25482

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
49	WSW	0.40	2,122.58	30.75	PCWS

Tier: 1
 Well ID: 4500043.0
 Shape Length: 9040.33033156
 Shape Area: 5100513.71432

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
49	WSW	0.40	2,122.58	30.75	PCWS

Tier: 2
 Well ID: 4500043.0
 Shape Length: 23411.3182355
 Shape Area: 7683630.97482

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
90	ENE	0.68	3,577.67	39.30	PCWS

Tier: 3
 Well ID: 4500024.0
 Shape Length: 31989.0365337
 Shape Area: 25630661.4084

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
107	ENE	0.76	4,001.26	58.78	PCWS

Tier: 3
 Well ID: 2502717.0
 Shape Length: 22577.2841188
 Shape Area: 12861309.6003

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
119	ENE	0.80	4,226.07	40.74	PCWS

Tier: 3
 Well ID: 2500632.0
 Shape Length: 22333.9563022
 Shape Area: 12585782.4453

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

126 ENE 0.81 4,283.28 52.34 PCWS

Tier: 3
 Well ID: 4500026.0
 Shape Length: 27126.5812474
 Shape Area: 18504196.4307

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
136	WSW	0.87	4,603.23	40.18	PCWS

Tier: 3
 Well ID: 2511582.0
 Shape Length: 17168.560259
 Shape Area: 7462446.39416

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
149	WSW	0.91	4,823.13	29.27	PCWS

Tier: 3
 Well ID: 4500043.0
 Shape Length: 16982.7775343
 Shape Area: 7302004.06448

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
156	ENE	0.94	4,965.69	41.88	PCWS

Tier: 3
 Well ID: 2500572.0
 Shape Length: 20033.3085348
 Shape Area: 10164777.8892

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
159	WSW	0.95	4,993.70	29.92	PCWS

Tier: 3
 Well ID: 4544720.0
 Shape Length: 25393.4892624
 Shape Area: 16086413.452

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
166	ENE	0.97	5,131.63	42.26	PCWS

Wells and Additional Sources Detail Report

Tier: 3
 Well ID: 2502715.0
 Shape Length: 21035.7815545
 Shape Area: 11164941.9137

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
168	ENE	1.00	5,278.44	53.79	PCWS

Tier: 3
 Well ID: 2500633.0
 Shape Length: 17517.8989375
 Shape Area: 7779741.2921

Well Permits

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	-	0.00	0.00	43.22	WATER WELLS

Permit No: 2500012811
 Easting (X): 493316
 Northing (Y): 639466

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	-	0.00	0.00	43.22	WATER WELLS

Permit No: 2500005951
 Easting (X): 493316
 Northing (Y): 639466

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	E	0.00	17.57	34.94	WATER WELLS

Permit No: 2500004652
 Easting (X): 493779
 Northing (Y): 638758

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	SSE	0.08	444.10	42.24	WATER WELLS

Permit No: 2500052617
 Easting (X): 493317
 Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

7	NW	0.07	354.51	43.64	WATER WELLS
Permit No:		2500001542			
Easting (X):		492236			
Northing (Y):		639466			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	NW	0.07	354.51	43.64	WATER WELLS
Permit No:		2500001302			
Easting (X):		492236			
Northing (Y):		639466			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	NW	0.07	354.51	43.64	WATER WELLS
Permit No:		2500000343			
Easting (X):		492236			
Northing (Y):		639466			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	N	0.08	422.18	56.15	WATER WELLS
Permit No:		A2106053			
Easting (X):		493106			
Northing (Y):		639905			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	SW	0.07	386.21	37.68	WATER WELLS
Permit No:		2500055928			
Easting (X):		492236			
Northing (Y):		638050			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	NNW	0.15	774.10	58.69	WATER WELLS
Permit No:		2500030358			
Easting (X):		492751			
Northing (Y):		640141			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	W	0.10	527.72	43.48	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500015911
 Easting (X): 491722
 Northing (Y): 638792

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	W	0.10	527.72	43.48	WATER WELLS

Permit No: 2500015077
 Easting (X): 491722
 Northing (Y): 638792

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	W	0.10	527.72	43.48	WATER WELLS

Permit No: 2500001144
 Easting (X): 491722
 Northing (Y): 638792

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SE	0.11	576.38	45.20	WATER WELLS

Permit No: A1706074
 Easting (X): 494046
 Northing (Y): 638117

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	W	0.11	563.39	41.09	WATER WELLS

Permit No: 2500005078
 Easting (X): 491696
 Northing (Y): 638758

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	ENE	0.14	738.92	44.09	WATER WELLS

Permit No: 2500023475
 Easting (X): 494319
 Northing (Y): 639466

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	ENE	0.14	738.92	44.09	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500003015
 Easting (X): 494319
 Northing (Y): 639466

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	NNE	0.13	710.69	49.01	WATER WELLS

Permit No: 2500028845
 Easting (X): 493779
 Northing (Y): 640141

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	ESE	0.15	818.12	43.77	WATER WELLS

Permit No: 2500009070
 Easting (X): 494319
 Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	ESE	0.15	818.12	43.77	WATER WELLS

Permit No: 2500008756
 Easting (X): 494319
 Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	ESE	0.15	818.12	43.77	WATER WELLS

Permit No: 2500008317
 Easting (X): 494319
 Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	NW	0.22	1,178.91	85.32	WATER WELLS

Permit No: 2500027378
 Easting (X): 491722
 Northing (Y): 640141

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	NW	0.22	1,178.91	85.32	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500015202
 Easting (X): 491722
 Northing (Y): 640141

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	NW	0.22	1,178.91	85.32	WATER WELLS

Permit No: 2500027379
 Easting (X): 491722
 Northing (Y): 640141

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	NW	0.22	1,178.91	85.32	WATER WELLS

Permit No: 2500027377
 Easting (X): 491722
 Northing (Y): 640141

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	SE	0.22	1,167.81	41.59	WATER WELLS

Permit No: A1908149
 Easting (X): 494337
 Northing (Y): 637597

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	E	0.19	1,027.36	37.35	WATER WELLS

Permit No: 2500027726
 Easting (X): 494859
 Northing (Y): 638657

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	N	0.23	1,225.48	62.92	WATER WELLS

Permit No: 2500055514
 Easting (X): 493316
 Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	N	0.23	1,225.48	62.92	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500056311
 Easting (X): 493316
 Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	N	0.23	1,225.48	62.92	WATER WELLS

Permit No: 2500015273
 Easting (X): 493316
 Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	N	0.23	1,225.48	62.92	WATER WELLS

Permit No: 2500055515
 Easting (X): 493316
 Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	N	0.23	1,225.48	62.92	WATER WELLS

Permit No: 2500061187
 Easting (X): 493316
 Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	N	0.23	1,225.48	62.92	WATER WELLS

Permit No: 2500055516
 Easting (X): 493316
 Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	N	0.23	1,225.48	62.92	WATER WELLS

Permit No: 2500001715
 Easting (X): 493316
 Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	SW	0.22	1,183.76	28.69	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500004378
 Easting (X): 491696
 Northing (Y): 637442

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	WSW	0.22	1,169.61	33.04	WATER WELLS

Permit No: 2500015077
 Easting (X): 491233
 Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	WSW	0.22	1,169.61	33.04	WATER WELLS

Permit No: 2500005364
 Easting (X): 491233
 Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
25	WNW	0.23	1,225.75	75.30	WATER WELLS

Permit No:
 Easting (X): 491189
 Northing (Y): 639768

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
27	NNW	0.30	1,561.35	123.13	WATER WELLS

Permit No: 2500003451
 Easting (X): 492236
 Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
27	NNW	0.30	1,561.35	123.13	WATER WELLS

Permit No: 2500059157
 Easting (X): 492236
 Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
27	NNW	0.30	1,561.35	123.13	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500004018
 Easting (X): 492236
 Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
27	NNW	0.30	1,561.35	123.13	WATER WELLS

Permit No: 2500053483
 Easting (X): 492236
 Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
28	S	0.32	1,697.02	39.15	WATER WELLS

Permit No: 2500006610
 Easting (X): 493317
 Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
29	NE	0.29	1,528.24	52.17	WATER WELLS

Permit No: 2500007116
 Easting (X): 494808
 Northing (Y): 640141

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	NE	0.29	1,546.97	57.02	WATER WELLS

Permit No: 2500001394
 Easting (X): 494319
 Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	NE	0.29	1,546.97	57.02	WATER WELLS

Permit No: 2500002072
 Easting (X): 494319
 Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	NE	0.29	1,546.97	57.02	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500015076
 Easting (X): 494319
 Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	NE	0.29	1,546.97	57.02	WATER WELLS

Permit No: 2500008414
 Easting (X): 494319
 Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	NE	0.29	1,546.97	57.02	WATER WELLS

Permit No: 2500009071
 Easting (X): 494319
 Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	W	0.29	1,517.63	53.63	WATER WELLS

Permit No: 2500010272
 Easting (X): 490694
 Northing (Y): 638792

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	W	0.29	1,517.63	53.63	WATER WELLS

Permit No: 2500007307
 Easting (X): 490694
 Northing (Y): 638792

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
32	SE	0.30	1,589.10	42.62	WATER WELLS

Permit No: 2500009320
 Easting (X): 494808
 Northing (Y): 637442

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
32	SE	0.30	1,589.10	42.62	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500009863
 Easting (X): 494808
 Northing (Y): 637442

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
32	SE	0.30	1,589.10	42.62	WATER WELLS

Permit No: 2500030707
 Easting (X): 494808
 Northing (Y): 637442

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
32	SE	0.30	1,589.10	42.62	WATER WELLS

Permit No: 2500009071
 Easting (X): 494808
 Northing (Y): 637442

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
35	ENE	0.32	1,666.71	43.82	WATER WELLS

Permit No: 2500030707
 Easting (X): 495399
 Northing (Y): 639466

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
37	N	0.36	1,903.07	143.48	WATER WELLS

Permit No: 2500026101
 Easting (X): 492854
 Northing (Y): 641389

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
37	N	0.36	1,903.07	143.48	WATER WELLS

Permit No: 2500026101
 Easting (X): 492854
 Northing (Y): 641389

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
37	N	0.36	1,903.07	143.48	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500023704
 Easting (X): 492854
 Northing (Y): 641389

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
37	N	0.36	1,903.07	143.48	WATER WELLS

Permit No: 2500023706
 Easting (X): 492854
 Northing (Y): 641389

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
37	N	0.36	1,903.07	143.48	WATER WELLS

Permit No: 2500023705
 Easting (X): 492854
 Northing (Y): 641389

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
37	N	0.36	1,903.07	143.48	WATER WELLS

Permit No: 2500026101
 Easting (X): 492854
 Northing (Y): 641389

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
38	ESE	0.33	1,744.19	44.97	WATER WELLS

Permit No: 2500001317
 Easting (X): 495400
 Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
38	ESE	0.33	1,744.19	44.97	WATER WELLS

Permit No: 2500009394
 Easting (X): 495400
 Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
39	N	0.38	2,029.55	166.36	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500022015
 Easting (X): 492751
 Northing (Y): 641490

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
39	N	0.38	2,029.55	166.36	WATER WELLS

Permit No: 2500026045
 Easting (X): 492751
 Northing (Y): 641490

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
39	N	0.38	2,029.55	166.36	WATER WELLS

Permit No: 2500025080
 Easting (X): 492751
 Northing (Y): 641490

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
39	N	0.38	2,029.55	166.36	WATER WELLS

Permit No: 2500024498
 Easting (X): 492751
 Northing (Y): 641490

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
39	N	0.38	2,029.55	166.36	WATER WELLS

Permit No: 2500030679
 Easting (X): 492751
 Northing (Y): 641490

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
39	N	0.38	2,029.55	166.36	WATER WELLS

Permit No: 2500025078
 Easting (X): 492751
 Northing (Y): 641490

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
39	N	0.38	2,029.55	166.36	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500025079
Easting (X): 492751
Northing (Y): 641490

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
40	NNE	0.36	1,893.61	78.60	WATER WELLS

Permit No: 2500028701
Easting (X): 493856
Northing (Y): 641389

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
40	NNE	0.36	1,893.61	78.60	WATER WELLS

Permit No: 2500023562
Easting (X): 493856
Northing (Y): 641389

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
40	NNE	0.36	1,893.61	78.60	WATER WELLS

Permit No: 2500023564
Easting (X): 493856
Northing (Y): 641389

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
40	NNE	0.36	1,893.61	78.60	WATER WELLS

Permit No: 2500023563
Easting (X): 493856
Northing (Y): 641389

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
41	WNW	0.35	1,865.37	164.00	WATER WELLS

Permit No: 2500004702
Easting (X): 490694
Northing (Y): 640175

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
43	NNE	0.37	1,974.15	91.02	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500027726
Easting (X): 493779
Northing (Y): 641490

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
43	NNE	0.37	1,974.15	91.02	WATER WELLS

Permit No: 2500016466
Easting (X): 493779
Northing (Y): 641490

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
43	NNE	0.37	1,974.15	91.02	WATER WELLS

Permit No: 250003879A
Easting (X): 493779
Northing (Y): 641490

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
43	NNE	0.37	1,974.15	91.02	WATER WELLS

Permit No: 2500011466
Easting (X): 493779
Northing (Y): 641490

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
44	SW	0.36	1,916.16	46.06	WATER WELLS

Permit No: 2500063361
Easting (X): 490771
Northing (Y): 637341

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WSW	0.36	1,927.14	42.88	WATER WELLS

Permit No: 2500011261
Easting (X): 490693
Northing (Y): 637442

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	SSE	0.45	2,397.09	40.92	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500004408
 Easting (X): 493780
 Northing (Y): 636127

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
47	NNW	0.46	2,413.93	260.76	WATER WELLS

Permit No: 2500026234
 Easting (X): 491722
 Northing (Y): 641490

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
47	NNW	0.46	2,413.93	260.76	WATER WELLS

Permit No: 2500028701
 Easting (X): 491722
 Northing (Y): 641490

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
48	WSW	0.40	2,126.38	32.44	WATER WELLS

Permit No: 2500007307
 Easting (X): 490231
 Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
50	NNE	0.41	2,170.98	68.78	WATER WELLS

Permit No: 494445
 Easting (X): 494445
 Northing (Y): 641446

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
50	NNE	0.41	2,170.98	68.78	WATER WELLS

Permit No: 494445
 Easting (X): 494445
 Northing (Y): 641446

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
52	NE	0.45	2,366.67	46.58	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500000387
 Easting (X): 495399
 Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
52	NE	0.45	2,366.67	46.58	WATER WELLS

Permit No: 2500044611
 Easting (X): 495399
 Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
52	NE	0.45	2,366.67	46.58	WATER WELLS

Permit No: 2500018779
 Easting (X): 495399
 Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
52	NE	0.45	2,366.67	46.58	WATER WELLS

Permit No: 2500002641
 Easting (X): 495399
 Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
53	SSW	0.45	2,395.04	45.61	WATER WELLS

Permit No: 2500011919
 Easting (X): 491722
 Northing (Y): 636093

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
54	NE	0.45	2,357.91	61.56	WATER WELLS

Permit No: 2500024431
 Easting (X): 494859
 Northing (Y): 641389

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
55	NE	0.46	2,406.40	65.46	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500015076
 Easting (X): 494808
 Northing (Y): 641490

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
55	NE	0.46	2,406.40	65.46	WATER WELLS

Permit No: 2500030044
 Easting (X): 494808
 Northing (Y): 641490

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
55	NE	0.46	2,406.40	65.46	WATER WELLS

Permit No: 2500010644
 Easting (X): 494808
 Northing (Y): 641490

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
55	NE	0.46	2,406.40	65.46	WATER WELLS

Permit No: 2500002072
 Easting (X): 494808
 Northing (Y): 641490

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
57	N	0.48	2,539.43	199.14	WATER WELLS

Permit No: 2500005674
 Easting (X): 493316
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
57	N	0.48	2,539.43	199.14	WATER WELLS

Permit No: 2500000129
 Easting (X): 493316
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
57	N	0.48	2,539.43	199.14	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500004066
 Easting (X): 493316
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
57	N	0.48	2,539.43	199.14	WATER WELLS

Permit No: 2500006681
 Easting (X): 493316
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
57	N	0.48	2,539.43	199.14	WATER WELLS

Permit No: 2500056318
 Easting (X): 493316
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
57	N	0.48	2,539.43	199.14	WATER WELLS

Permit No: 2500003291
 Easting (X): 493316
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
58	ESE	0.49	2,566.38	47.87	WATER WELLS

Permit No: 2500063268
 Easting (X): 495940
 Northing (Y): 637342

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
59	W	0.48	2,536.84	78.73	WATER WELLS

Permit No: 2500008286
 Easting (X): 489665
 Northing (Y): 638792

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
60	E	0.50	2,625.04	40.70	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500009863
 Easting (X): 496402
 Northing (Y): 639467

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	NNE	0.51	2,709.25	117.28	WATER WELLS

Permit No: 2500003820
 Easting (X): 494319
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	NNE	0.51	2,709.25	117.28	WATER WELLS

Permit No: 2500001987
 Easting (X): 494319
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	NNE	0.51	2,709.25	117.28	WATER WELLS

Permit No: 2500003819
 Easting (X): 494319
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	NNE	0.51	2,709.25	117.28	WATER WELLS

Permit No: 2500038982
 Easting (X): 494319
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	NNE	0.51	2,709.25	117.28	WATER WELLS

Permit No: 2500014928
 Easting (X): 494319
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	NNE	0.51	2,709.25	117.28	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500015375
 Easting (X): 494319
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	NNE	0.51	2,709.25	117.28	WATER WELLS

Permit No: 2500002606
 Easting (X): 494319
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	NNE	0.51	2,709.25	117.28	WATER WELLS

Permit No: 2500000524
 Easting (X): 494319
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	NNE	0.51	2,709.25	117.28	WATER WELLS

Permit No: 2500016319
 Easting (X): 494319
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
62	SSW	0.54	2,846.62	46.83	WATER WELLS

Permit No:
 Easting (X): 492179
 Northing (Y): 635500

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
62	SSW	0.54	2,846.62	46.83	WATER WELLS

Permit No:
 Easting (X): 492179
 Northing (Y): 635500

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
63	ESE	0.51	2,675.04	50.19	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500010536
 Easting (X): 496403
 Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
63	ESE	0.51	2,675.04	50.19	WATER WELLS

Permit No: 2500030044
 Easting (X): 496403
 Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
63	ESE	0.51	2,675.04	50.19	WATER WELLS

Permit No: 2500030020
 Easting (X): 496403
 Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
64	ESE	0.52	2,721.84	51.37	WATER WELLS

Permit No: E202108466
 Easting (X): 496282
 Northing (Y): 637627

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
65	SW	0.51	2,712.86	43.93	WATER WELLS

Permit No: 2500003096
 Easting (X): 490230
 Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
65	SW	0.51	2,712.86	43.93	WATER WELLS

Permit No: 2500005775
 Easting (X): 490230
 Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
65	SW	0.51	2,712.86	43.93	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500003095
 Easting (X): 490230
 Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
65	SW	0.51	2,712.86	43.93	WATER WELLS

Permit No: 2500003094
 Easting (X): 490230
 Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
65	SW	0.51	2,712.86	43.93	WATER WELLS

Permit No: 2500011543
 Easting (X): 490230
 Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
65	SW	0.51	2,712.86	43.93	WATER WELLS

Permit No: 2500004017
 Easting (X): 490230
 Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
65	SW	0.51	2,712.86	43.93	WATER WELLS

Permit No: 2500011544
 Easting (X): 490230
 Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
67	SW	0.54	2,863.22	46.03	WATER WELLS

Permit No: 2500024685
 Easting (X): 490693
 Northing (Y): 636093

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
67	SW	0.54	2,863.22	46.03	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500011545
 Easting (X): 490693
 Northing (Y): 636093

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
68	SSW	0.56	2,976.20	45.05	WATER WELLS

Permit No: E202012083
 Easting (X): 490983
 Northing (Y): 635782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
69	SSE	0.62	3,291.16	35.43	WATER WELLS

Permit No: 2500001846
 Easting (X): 494320
 Northing (Y): 635318

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
70	NE	0.60	3,151.77	54.09	WATER WELLS

Permit No: 2500024498
 Easting (X): 495939
 Northing (Y): 641389

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
71	E	0.57	3,015.03	51.37	WATER WELLS

Permit No: 2500011215
 Easting (X): 496865
 Northing (Y): 638792

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
72	ENE	0.60	3,191.27	57.58	WATER WELLS

Permit No: 2500003089
 Easting (X): 496402
 Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
73	W	0.58	3,064.01	190.79	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500005682
 Easting (X): 489151
 Northing (Y): 639466

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
74	NNE	0.60	3,182.48	227.77	WATER WELLS

Permit No: 2500026045
 Easting (X): 493856
 Northing (Y): 642704

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
74	NNE	0.60	3,182.48	227.77	WATER WELLS

Permit No: 2500026234
 Easting (X): 493856
 Northing (Y): 642704

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
74	NNE	0.60	3,182.48	227.77	WATER WELLS

Permit No: 2500027377
 Easting (X): 493856
 Northing (Y): 642704

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
74	NNE	0.60	3,182.48	227.77	WATER WELLS

Permit No: 2500027379
 Easting (X): 493856
 Northing (Y): 642704

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
74	NNE	0.60	3,182.48	227.77	WATER WELLS

Permit No: 2500027378
 Easting (X): 493856
 Northing (Y): 642704

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
75	N	0.63	3,338.99	466.45	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500008197
 Easting (X): 492751
 Northing (Y): 642839

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
76	WSW	0.60	3,186.14	49.35	WATER WELLS

Permit No: 2500020058
 Easting (X): 489150
 Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
78	NE	0.62	3,247.80	64.63	WATER WELLS

Permit No: 2500030679
 Easting (X): 495399
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
78	NE	0.62	3,247.80	64.63	WATER WELLS

Permit No: 2500003083
 Easting (X): 495399
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
78	NE	0.62	3,247.80	64.63	WATER WELLS

Permit No: 2500043961
 Easting (X): 495399
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
79	SSW	0.62	3,294.48	45.73	WATER WELLS

Permit No: 2500008360
 Easting (X): 491233
 Northing (Y): 635317

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
79	SSW	0.62	3,294.48	45.73	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500008361
 Easting (X): 491233
 Northing (Y): 635317

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
80	ESE	0.62	3,277.97	41.45	WATER WELLS

Permit No: 2500008678
 Easting (X): 496403
 Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
80	ESE	0.62	3,277.97	41.45	WATER WELLS

Permit No: 2500002132
 Easting (X): 496403
 Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
81	WSW	0.65	3,437.50	31.28	WATER WELLS

Permit No:
 Easting (X): 489031
 Northing (Y): 637480

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
81	WSW	0.65	3,437.50	31.28	WATER WELLS

Permit No:
 Easting (X): 489031
 Northing (Y): 637480

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
82	S	0.71	3,729.48	50.97	WATER WELLS

Permit No: 2500007910
 Easting (X): 493780
 Northing (Y): 634744

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
83	NNE	0.66	3,478.82	135.89	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500025079
Easting (X): 494859
Northing (Y): 642704

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
83	NNE	0.66	3,478.82	135.89	WATER WELLS

Permit No: 2500025080
Easting (X): 494859
Northing (Y): 642704

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
83	NNE	0.66	3,478.82	135.89	WATER WELLS

Permit No: 2500025078
Easting (X): 494859
Northing (Y): 642704

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
84	ESE	0.65	3,440.48	53.97	WATER WELLS

Permit No: 2500024497
Easting (X): 496943
Northing (Y): 637342

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	WNW	0.66	3,491.76	419.19	WATER WELLS

Permit No: 2500001275
Easting (X): 489151
Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
86	SE	0.69	3,668.77	41.15	WATER WELLS

Permit No: 2500003098
Easting (X): 495400
Northing (Y): 635318

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
88	SW	0.67	3,526.45	45.02	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500024685
 Easting (X): 489767
 Northing (Y): 636026

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
89	NNE	0.68	3,580.58	166.18	WATER WELLS

Permit No: 2500001292
 Easting (X): 494808
 Northing (Y): 642839

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
89	NNE	0.68	3,580.58	166.18	WATER WELLS

Permit No: 2500000524
 Easting (X): 494808
 Northing (Y): 642839

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
91	SW	0.67	3,557.37	45.63	WATER WELLS

Permit No: 2500001094
 Easting (X): 489665
 Northing (Y): 636093

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
91	SW	0.67	3,557.37	45.63	WATER WELLS

Permit No: 2500020868
 Easting (X): 489665
 Northing (Y): 636093

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
91	SW	0.67	3,557.37	45.63	WATER WELLS

Permit No: 2500008135
 Easting (X): 489665
 Northing (Y): 636093

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
92	WSW	0.69	3,617.31	44.93	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500001398
 Easting (X): 489150
 Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
92	WSW	0.69	3,617.31	44.93	WATER WELLS

Permit No: 2500021907
 Easting (X): 489150
 Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
92	WSW	0.69	3,617.31	44.93	WATER WELLS

Permit No: 4500049005
 Easting (X): 489150
 Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
92	WSW	0.69	3,617.31	44.93	WATER WELLS

Permit No: 2500007826
 Easting (X): 489150
 Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
93	E	0.68	3,607.40	44.37	WATER WELLS

Permit No: 2500014413
 Easting (X): 497405
 Northing (Y): 639467

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
93	E	0.68	3,607.40	44.37	WATER WELLS

Permit No: 2500009551
 Easting (X): 497405
 Northing (Y): 639467

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
94	WNW	0.69	3,644.03	378.79	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500065670
 Easting (X): 488688
 Northing (Y): 640074

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
95	E	0.69	3,643.25	56.11	WATER WELLS

Permit No: 2500048340
 Easting (X): 497405
 Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
95	E	0.69	3,643.25	56.11	WATER WELLS

Permit No: 2500017797
 Easting (X): 497405
 Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
95	E	0.69	3,643.25	56.11	WATER WELLS

Permit No: 2500001235
 Easting (X): 497405
 Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
95	E	0.69	3,643.25	56.11	WATER WELLS

Permit No: 2500018436
 Easting (X): 497405
 Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
95	E	0.69	3,643.25	56.11	WATER WELLS

Permit No: 2500022625
 Easting (X): 497405
 Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
96	WSW	0.71	3,733.99	41.69	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: E202105824
 Easting (X): 488686
 Northing (Y): 637601

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
97	SSE	0.75	3,969.71	44.02	WATER WELLS

Permit No: 2500016248
 Easting (X): 494809
 Northing (Y): 634744

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
98	SW	0.71	3,764.50	43.42	WATER WELLS

Permit No: 2500051712
 Easting (X): 490230
 Northing (Y): 635317

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
98	SW	0.71	3,764.50	43.42	WATER WELLS

Permit No: 2500060128
 Easting (X): 490230
 Northing (Y): 635317

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
98	SW	0.71	3,764.50	43.42	WATER WELLS

Permit No: 2500002625
 Easting (X): 490230
 Northing (Y): 635317

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
99	WNW	0.70	3,712.96	392.41	WATER WELLS

Permit No: 2500009136
 Easting (X): 488636
 Northing (Y): 640141

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
100	SSE	0.76	3,994.71	43.42	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500004944
 Easting (X): 494783
 Northing (Y): 634710

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
101	NNW	0.77	4,061.81	386.42	WATER WELLS

Permit No: 2500007985
 Easting (X): 490694
 Northing (Y): 642839

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
101	NNW	0.77	4,061.81	386.42	WATER WELLS

Permit No: 2500008402
 Easting (X): 490694
 Northing (Y): 642839

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
102	WSW	0.72	3,825.20	37.34	WATER WELLS

Permit No: 2500001050
 Easting (X): 488636
 Northing (Y): 637443

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
103	N	0.75	3,955.81	456.15	WATER WELLS

Permit No: 2500009519
 Easting (X): 493316
 Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
104	SSE	0.78	4,120.89	46.10	WATER WELLS

Permit No: A1204053
 Easting (X): 494698
 Northing (Y): 634555

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
105	NE	0.75	3,951.67	56.00	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500002073
Easting (X): 496402
Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	N	0.78	4,115.47	453.92	WATER WELLS

Permit No: 2500004086
Easting (X): 492236
Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	N	0.78	4,115.47	453.92	WATER WELLS

Permit No: 2500007775
Easting (X): 492236
Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	N	0.78	4,115.47	453.92	WATER WELLS

Permit No: 2500010271
Easting (X): 492236
Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	N	0.78	4,115.47	453.92	WATER WELLS

Permit No: 2500010644
Easting (X): 492236
Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	N	0.78	4,115.47	453.92	WATER WELLS

Permit No: 2500011288
Easting (X): 492236
Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	N	0.78	4,115.47	453.92	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2400010270
Easting (X): 492236
Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	N	0.78	4,115.47	453.92	WATER WELLS

Permit No: 2500011466
Easting (X): 492236
Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	N	0.78	4,115.47	453.92	WATER WELLS

Permit No: 2500011162
Easting (X): 492236
Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	N	0.78	4,115.47	453.92	WATER WELLS

Permit No: 2500009870
Easting (X): 492236
Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	N	0.78	4,115.47	453.92	WATER WELLS

Permit No: 2500010673
Easting (X): 492236
Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	N	0.78	4,115.47	453.92	WATER WELLS

Permit No: 2500014123
Easting (X): 492236
Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	N	0.78	4,115.47	453.92	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500011215
 Easting (X): 492236
 Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	N	0.78	4,115.47	453.92	WATER WELLS

Permit No: 2500012342
 Easting (X): 492236
 Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	N	0.78	4,115.47	453.92	WATER WELLS

Permit No: 2500014115
 Easting (X): 492236
 Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	N	0.78	4,115.47	453.92	WATER WELLS

Permit No: 2500010672
 Easting (X): 492236
 Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	N	0.78	4,115.47	453.92	WATER WELLS

Permit No: 2500010689
 Easting (X): 492236
 Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
108	ESE	0.76	3,991.48	41.05	WATER WELLS

Permit No: 2500017060
 Easting (X): 497229
 Northing (Y): 636724

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
109	NNE	0.77	4,066.91	342.99	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500006210
 Easting (X): 494319
 Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
109	NNE	0.77	4,066.91	342.99	WATER WELLS

Permit No: 250003879A
 Easting (X): 494319
 Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
110	NNW	0.82	4,323.10	373.08	WATER WELLS

Permit No: E202111811
 Easting (X): 490725
 Northing (Y): 643138

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
111	SE	0.78	4,130.94	40.21	WATER WELLS

Permit No: 2500023681
 Easting (X): 496943
 Northing (Y): 636026

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
111	SE	0.78	4,130.94	40.21	WATER WELLS

Permit No: 2500028845
 Easting (X): 496943
 Northing (Y): 636026

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
112	W	0.77	4,060.00	265.69	WATER WELLS

Permit No: 2500016220
 Easting (X): 488148
 Northing (Y): 639466

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
113	ESE	0.78	4,136.69	43.09	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500036406
 Easting (X): 497406
 Northing (Y): 636735

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
114	SW	0.78	4,104.82	46.37	WATER WELLS

Permit No: E201811138
 Easting (X): 489364
 Northing (Y): 635610

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
115	SW	0.78	4,117.47	46.37	WATER WELLS

Permit No: E201811138
 Easting (X): 489357
 Northing (Y): 635599

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
116	SE	0.80	4,234.50	54.30	WATER WELLS

Permit No: 2500021167
 Easting (X): 496403
 Northing (Y): 635318

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
116	SE	0.80	4,234.50	54.30	WATER WELLS

Permit No: 2500022811
 Easting (X): 496403
 Northing (Y): 635318

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
116	SE	0.80	4,234.50	54.30	WATER WELLS

Permit No: 2500020230
 Easting (X): 496403
 Northing (Y): 635318

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
116	SE	0.80	4,234.50	54.30	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500020901
Easting (X): 496403
Northing (Y): 635318

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
116	SE	0.80	4,234.50	54.30	WATER WELLS

Permit No: 2500020900
Easting (X): 496403
Northing (Y): 635318

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
116	SE	0.80	4,234.50	54.30	WATER WELLS

Permit No: 2500030358
Easting (X): 496403
Northing (Y): 635318

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
116	SE	0.80	4,234.50	54.30	WATER WELLS

Permit No: 2500022811
Easting (X): 496403
Northing (Y): 635318

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
116	SE	0.80	4,234.50	54.30	WATER WELLS

Permit No: 2500015990
Easting (X): 496403
Northing (Y): 635318

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
116	SE	0.80	4,234.50	54.30	WATER WELLS

Permit No: 2500042294
Easting (X): 496403
Northing (Y): 635318

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
116	SE	0.80	4,234.50	54.30	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500022811
 Easting (X): 496403
 Northing (Y): 635318

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
116	SE	0.80	4,234.50	54.30	WATER WELLS

Permit No: 2500006672
 Easting (X): 496403
 Northing (Y): 635318

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
117	NNW	0.85	4,468.88	384.36	WATER WELLS

Permit No: 2500009324
 Easting (X): 491234
 Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
118	S	0.82	4,325.97	44.88	WATER WELLS

Permit No: 2500007960
 Easting (X): 492236
 Northing (Y): 634002

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
120	SSE	0.84	4,456.40	47.43	WATER WELLS

Permit No: A1506118
 Easting (X): 494524
 Northing (Y): 634170

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
121	NW	0.81	4,295.62	369.58	WATER WELLS

Permit No: 2500042862
 Easting (X): 489151
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
121	NW	0.81	4,295.62	369.58	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500004039
 Easting (X): 489151
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
122	NW	0.81	4,296.71	373.12	WATER WELLS

Permit No:
 Easting (X): 489002
 Northing (Y): 641942

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
122	NW	0.81	4,296.71	373.12	WATER WELLS

Permit No:
 Easting (X): 489002
 Northing (Y): 641942

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
123	SSE	0.87	4,586.65	49.43	WATER WELLS

Permit No: 2500017013
 Easting (X): 494320
 Northing (Y): 634002

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
123	SSE	0.87	4,586.65	49.43	WATER WELLS

Permit No: 2500003688
 Easting (X): 494320
 Northing (Y): 634002

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
123	SSE	0.87	4,586.65	49.43	WATER WELLS

Permit No: 2500001845
 Easting (X): 494320
 Northing (Y): 634002

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
123	SSE	0.87	4,586.65	49.43	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500022556
 Easting (X): 494320
 Northing (Y): 634002

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
123	SSE	0.87	4,586.65	49.43	WATER WELLS

Permit No: 2500017012
 Easting (X): 494320
 Northing (Y): 634002

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
124	WNW	0.82	4,303.28	344.70	WATER WELLS

Permit No: 2500001095
 Easting (X): 488637
 Northing (Y): 641490

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
125	S	0.85	4,470.89	47.25	WATER WELLS

Permit No: 2500008973
 Easting (X): 492619
 Northing (Y): 633837

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
127	NW	0.85	4,502.71	340.22	WATER WELLS

Permit No: 2500004827
 Easting (X): 489691
 Northing (Y): 642806

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
127	NW	0.85	4,502.71	340.22	WATER WELLS

Permit No: 2500004826
 Easting (X): 489691
 Northing (Y): 642806

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
127	NW	0.85	4,502.71	340.22	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500004825
 Easting (X): 489691
 Northing (Y): 642806

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
127	NW	0.85	4,502.71	340.22	WATER WELLS

Permit No: 2500004828
 Easting (X): 489691
 Northing (Y): 642806

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
128	NW	0.86	4,544.58	339.41	WATER WELLS

Permit No: 2500028796
 Easting (X): 489665
 Northing (Y): 642839

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	WSW	0.83	4,385.39	45.67	WATER WELLS

Permit No: 2500013075
 Easting (X): 488636
 Northing (Y): 636093

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
130	WSW	0.83	4,389.48	45.41	WATER WELLS

Permit No: 2500004925
 Easting (X): 488610
 Northing (Y): 636127

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
131	NNE	0.84	4,443.87	199.89	WATER WELLS

Permit No: 2500009198
 Easting (X): 495399
 Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
131	NNE	0.84	4,443.87	199.89	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500009197
Easting (X): 495399
Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
132	WNW	0.83	4,391.79	356.03	WATER WELLS

Permit No: 2500003176
Easting (X): 488148
Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
132	WNW	0.83	4,391.79	356.03	WATER WELLS

Permit No: 2500018069
Easting (X): 488148
Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
132	WNW	0.83	4,391.79	356.03	WATER WELLS

Permit No: 2500009137
Easting (X): 488148
Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
133	SSW	0.86	4,529.61	44.06	WATER WELLS

Permit No: 2500008973
Easting (X): 491233
Northing (Y): 634002

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
134	SW	0.84	4,461.30	45.35	WATER WELLS

Permit No: 2500007314
Easting (X): 489150
Northing (Y): 635318

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
134	SW	0.84	4,461.30	45.35	WATER WELLS

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Permit No: 2500005442
Easting (X): 489150
Northing (Y): 635318

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
134	SW	0.84	4,461.30	45.35	WATER WELLS

Permit No: 2500000017
Easting (X): 489150
Northing (Y): 635318

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
135	WSW	0.86	4,522.96	30.15	WATER WELLS

Permit No: 2500003207
Easting (X): 488147
Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
135	WSW	0.86	4,522.96	30.15	WATER WELLS

Permit No: 2500002932
Easting (X): 488147
Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
135	WSW	0.86	4,522.96	30.15	WATER WELLS

Permit No: 2500005715
Easting (X): 488147
Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
135	WSW	0.86	4,522.96	30.15	WATER WELLS

Permit No: 2500003195
Easting (X): 488147
Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
135	WSW	0.86	4,522.96	30.15	WATER WELLS

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Permit No: 2500002933
 Easting (X): 488147
 Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
135	WSW	0.86	4,522.96	30.15	WATER WELLS

Permit No: 2500005363
 Easting (X): 488147
 Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
135	WSW	0.86	4,522.96	30.15	WATER WELLS

Permit No: 2500006991
 Easting (X): 488147
 Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
135	WSW	0.86	4,522.96	30.15	WATER WELLS

Permit No: 2500007487
 Easting (X): 488147
 Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
135	WSW	0.86	4,522.96	30.15	WATER WELLS

Permit No: 2500005680
 Easting (X): 488147
 Northing (Y): 636734

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
137	NE	0.90	4,764.37	59.07	WATER WELLS

Permit No: 2500001218
 Easting (X): 497405
 Northing (Y): 642098

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
138	SSE	0.92	4,864.71	57.15	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500022715
Easting (X): 495400
Northing (Y): 634002

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
139	E	0.88	4,626.75	54.18	WATER WELLS

Permit No: 2500006445
Easting (X): 498408
Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
139	E	0.88	4,626.75	54.18	WATER WELLS

Permit No: 2500017199
Easting (X): 498408
Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
139	E	0.88	4,626.75	54.18	WATER WELLS

Permit No: 2500006446
Easting (X): 498408
Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
139	E	0.88	4,626.75	54.18	WATER WELLS

Permit No: 2500007023
Easting (X): 498408
Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
140	NE	0.90	4,757.37	59.30	WATER WELLS

Permit No: 2500025190
Easting (X): 496942
Northing (Y): 642705

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
140	NE	0.90	4,757.37	59.30	WATER WELLS

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Permit No: 2500025190
 Easting (X): 496942
 Northing (Y): 642705

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
140	NE	0.90	4,757.37	59.30	WATER WELLS

Permit No: 2500025190
 Easting (X): 496942
 Northing (Y): 642705

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
141	NW	0.92	4,840.91	358.19	WATER WELLS

Permit No: E201112971
 Easting (X): 489096
 Northing (Y): 642784

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
142	S	0.93	4,912.86	50.24	WATER WELLS

Permit No: 2500006604
 Easting (X): 492751
 Northing (Y): 633395

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
142	S	0.93	4,912.86	50.24	WATER WELLS

Permit No: 2500011373
 Easting (X): 492751
 Northing (Y): 633395

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
143	NW	0.92	4,851.39	355.82	WATER WELLS

Permit No: E201112971
 Easting (X): 489082
 Northing (Y): 642786

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
144	WNW	0.89	4,705.56	373.58	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500010271
 Easting (X): 487608
 Northing (Y): 640141

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
145	WSW	0.90	4,768.62	48.78	WATER WELLS

Permit No: 2500065118
 Easting (X): 487684
 Northing (Y): 637342

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
146	SE	0.91	4,816.10	57.95	WATER WELLS

Permit No: A1407057
 Easting (X): 497203
 Northing (Y): 635276

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
147	S	0.95	5,033.89	62.32	WATER WELLS

Permit No: 2500008901
 Easting (X): 493780
 Northing (Y): 633395

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
148	WSW	0.91	4,818.84	51.31	WATER WELLS

Permit No: 2500008175
 Easting (X): 487607
 Northing (Y): 637443

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
150	SSW	0.95	4,998.32	46.53	WATER WELLS

Permit No: 2500010673
 Easting (X): 491722
 Northing (Y): 633395

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
151	NNE	0.93	4,929.78	520.61	WATER WELLS

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Permit No: A1405097
 Easting (X): 494369
 Northing (Y): 644387

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
152	S	0.98	5,149.51	60.75	WATER WELLS

Permit No: 2500069757
 Easting (X): 493857
 Northing (Y): 633294

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
153	SE	0.94	4,971.65	56.70	WATER WELLS

Permit No: 2500010586
 Easting (X): 496866
 Northing (Y): 634744

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
154	SE	0.94	4,938.63	61.53	WATER WELLS

Permit No: 2500000538
 Easting (X): 497406
 Northing (Y): 635318

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
155	ESE	0.94	4,960.48	49.13	WATER WELLS

Permit No: 2500023920
 Easting (X): 497946
 Northing (Y): 636026

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
157	ENE	0.94	4,949.37	42.74	WATER WELLS

Permit No: 2500055335
 Easting (X): 498408
 Northing (Y): 640782

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
158	NE	0.94	4,981.51	84.73	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500014889
 Easting (X): 496402
 Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
158	NE	0.94	4,981.51	84.73	WATER WELLS

Permit No: 2500012997
 Easting (X): 496402
 Northing (Y): 643514

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
160	SSE	1.00	5,273.74	60.97	WATER WELLS

Permit No: 250003687A
 Easting (X): 494809
 Northing (Y): 633395

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
160	SSE	1.00	5,273.74	60.97	WATER WELLS

Permit No: 2500024497
 Easting (X): 494809
 Northing (Y): 633395

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
162	WNW	0.96	5,054.48	340.40	WATER WELLS

Permit No: 2500007243
 Easting (X): 488148
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
162	WNW	0.96	5,054.48	340.40	WATER WELLS

Permit No: 2500010379
 Easting (X): 488148
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
162	WNW	0.96	5,054.48	340.40	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500009138
 Easting (X): 488148
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
162	WNW	0.96	5,054.48	340.40	WATER WELLS

Permit No: 2500006879
 Easting (X): 488148
 Northing (Y): 642097

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
163	WNW	0.96	5,069.68	317.80	WATER WELLS

Permit No: 2500023703
 Easting (X): 487685
 Northing (Y): 641389

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
164	NW	0.98	5,186.04	336.93	WATER WELLS

Permit No: 2500022135
 Easting (X): 488637
 Northing (Y): 642839

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
164	NW	0.98	5,186.04	336.93	WATER WELLS

Permit No: 2500021685
 Easting (X): 488637
 Northing (Y): 642839

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
165	W	0.96	5,058.73	412.05	WATER WELLS

Permit No: 2500007830
 Easting (X): 487145
 Northing (Y): 639467

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
165	W	0.96	5,058.73	412.05	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500005942
 Easting (X): 487145
 Northing (Y): 639467

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
165	W	0.96	5,058.73	412.05	WATER WELLS

Permit No: 2500018351
 Easting (X): 487145
 Northing (Y): 639467

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
165	W	0.96	5,058.73	412.05	WATER WELLS

Permit No: 2500015854
 Easting (X): 487145
 Northing (Y): 639467

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
167	W	0.97	5,141.88	147.96	WATER WELLS

Permit No: 2500001050
 Easting (X): 487145
 Northing (Y): 638050

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
169	WNW	0.98	5,184.74	325.40	WATER WELLS

Permit No: 2500026965
 Easting (X): 487608
 Northing (Y): 641490

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
169	WNW	0.98	5,184.74	325.40	WATER WELLS

Permit No: 2500006814
 Easting (X): 487608
 Northing (Y): 641490

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
170	WNW	0.98	5,166.93	360.67	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: E202102695
 Easting (X): 487370
 Northing (Y): 640927

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
171	E	0.98	5,177.45	45.99	WATER WELLS

Permit No: 2500029267
 Easting (X): 499025
 Northing (Y): 638658

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
172	SW	0.99	5,226.88	45.31	WATER WELLS

Permit No: 2500008135
 Easting (X): 488147
 Northing (Y): 635318

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
172	SW	0.99	5,226.88	45.31	WATER WELLS

Permit No: 2500005426
 Easting (X): 488147
 Northing (Y): 635318

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
172	SW	0.99	5,226.88	45.31	WATER WELLS

Permit No: 2500005714
 Easting (X): 488147
 Northing (Y): 635318

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
173	WSW	1.00	5,266.06	28.47	WATER WELLS

Permit No: 2500004926
 Easting (X): 487607
 Northing (Y): 636127

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
174	ESE	1.00	5,263.42	49.13	WATER WELLS

Wells and Additional Sources Detail Report

Permit No: 2500015990
Easting (X): 498923
Northing (Y): 637443

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *MIDDLESEX* County: **2**
Federal EPA Radon Zone for *SOMERSET* County: **1**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L

Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L

Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *MIDDLESEX* County

No Measures/Homes: 12325
Arithmetic Mean: 2.8
% >4 pCi/L: 19
Notes on Data Table: TABLE 1. Screening indoor radon data for New Jersey compiled by the New Jersey Department of Environmental Protection and Energy. Data are compiled from vendor reports collected by NJDEP from 1986 through 1992 and represent primarily 2-7 day charcoal canister measurements, although some alpha-track and e-perm detector data are also included.

Federal Area Radon Information for *SOMERSET* County

No Measures/Homes: 16382
Arithmetic Mean: 5.1
% >4 pCi/L: 35
Notes on Data Table: TABLE 1. Screening indoor radon data for New Jersey compiled by the New Jersey Department of Environmental Protection and Energy. Data are compiled from vendor reports collected by NJDEP from 1986 through 1992 and represent primarily 2-7 day charcoal canister measurements, although some alpha-track and e-perm detector data are also included.

Federal Sources

FEMA National Flood Hazard Layer

FEMA FLOOD

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data

INDOOR RADON

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data

PWSV

This list of drinking water violations and enforcement actions is sourced from the U.S Environmental Protection Agency's (EPA) Enforcement and Compliance History Online (ECHO) system that incorporates Public Water Systems data from EPA's Safe Drinking Water Information System (SDWIS) database, as part of the national download of Safe Drinking Water Act (SDWA) data. SDWIS contains information on public water systems from the Public Water System Supervision (PWSS) Program, including monitoring, enforcement, and violation data related to requirements established by the SWDA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level

RADON ZONE

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS)

SDWIS

This national download of Safe Drinking Water Act (SDWA) data is sourced from the U.S Environmental Protection Agency's (EPA) Enforcement and Compliance History Online (ECHO) system that incorporates Public Water Systems data from EPA's Safe Drinking Water Information System (SDWIS) database. SDWIS contains information on public water systems from the Public Water System Supervision (PWSS) Program related to requirements established by the Safe Drinking Water Act (SDWA). Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Soil Survey Geographic database

SSURGO

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data

US WETLAND

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo

US TOPO

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology

US GEOLOGY

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System

FED USGS

The U.S. Geological Survey's (USGS) National Water Information System (NWIS) is the nation's principal repository of water resources data. The data includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data. This NWIS database information is obtained through the Water Quality Data Portal (WQP). The WQP

Appendix

is a cooperative service sponsored by the USGS, the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC).

State Sources

Oil and Gas Wells

OGW

As of NJ state regulatory agencies, FracTracker Alliance - state of New Jersey confirmed not to have any active (drilled but not plugged) oil and gas wells.

Public Community Water Supply Well Head Protection Areas

PCWS

Locations of Well Head Protection Areas (WHPA) for Public Community Water Supply (PCWS) wells, created in compliance to the Safe Drinking Water Act Amendments of 1986 and 1996 as part of the Source Water Area Protection Program (SWAP). Well Head Protection Areas delineate the horizontal extent of ground water captured by a well. Data made available by New Jersey Department of Environmental Protection's (NJ DEP) Bureau of Safe Drinking Water. Point locations represent the centroids of the Well Head Protection Areas.

Well Permits

WATER WELLS

Locations of water wells from the Well Permit Report made available by the State of New Jersey, Department of Environmental Protection. Includes approved/accepted well documents for Category 1 Potable and Category 2 Non-Potable Water Supply Wells.

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