

Bull Run Mountain / Evergreen Water Supply Improvements

Glenn D. Pearson, PE
Deputy Director of Operations & Maintenance
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Service Authority
Exceptional Water Service

Project Team

- ◆ Prince William County Service Authority:
 - ◆ Glenn Pearson, Deputy Director, O&M

- ◆ Consultants:
 - ◆ Peter Foster, Emery and Garrett Groundwater Investigations (EGGI)
 - ◆ Kevin Wood & Carmen Bere, Dewberry Engineers, Inc.
 - ◆ Craig Anderson & Kevin Dugan, ERM & Associates, LLC

Mission & Vision

Mission

Service Authority is dedicated to excellence in providing safe, reliable water service to our customers and returning clean water to the environment.

Vision

To be a nationally acclaimed leader in providing clean water and excellent customer service through sustainable, innovative business practices, community partnerships and environmental stewardship.

Service Authority by the Numbers

- \$1.4 Billion in assets
- 93,000 accounts
- Serving nearly 350,000 people in Prince William County



Percentages based on total value of assets.

Project Need

- ◆ Some wells are more than 40 years old.
- ◆ SA is experiencing diminishing yields from some wells.
- ◆ SA is committed to maintaining the level of service and water quality our customers have enjoyed for decades.

Project Impacts

- Enhance the level of service (*i.e.*, quality, reliability and redundancy) of water supply to customers in SA's current area of service.
- Designed to eliminate or greatly mitigate impacts on other private wells.
- SA desires rights of entry for test well sites.
- SA will need ingress/egress, temporary and permanent easements based on test well results.

Project Will NOT Impact

- ◆ No expansion of current SA service area.
- ◆ No impact on current water rates.
- ◆ No impact on Rural Crescent designation.
- ◆ No impact on the existing water distribution system for Bull Run Mountain or Evergreen.
- ◆ No requirement to become an SA customer.

Project Timeline

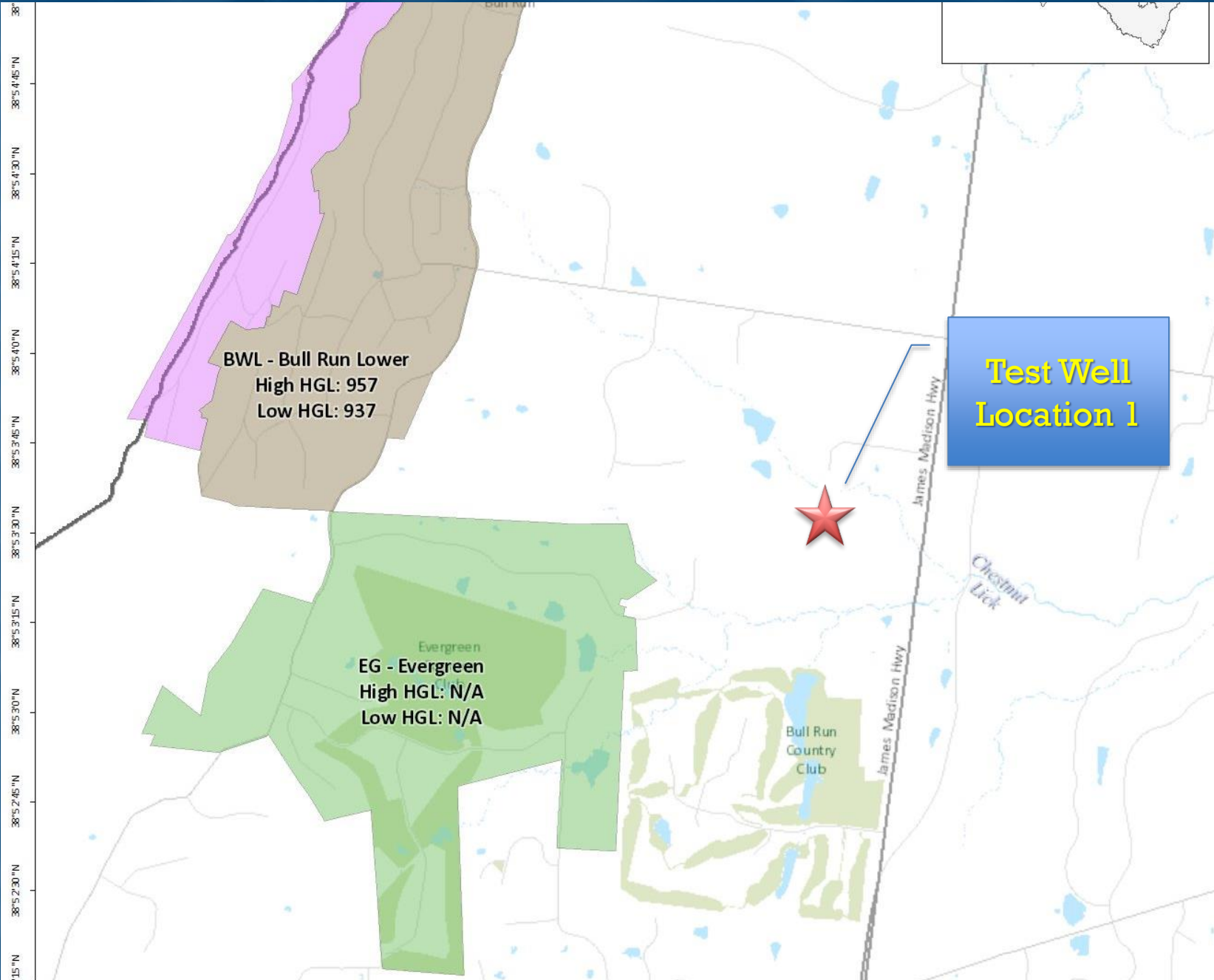
- ◆ ~~**May 2019:** Conduct geophysical surveys~~
- ◆ **September 2019:** Develop test wells, conduct pumping and water quality tests
- ◆ **Late Fall 2019:** Convert test wells into production wells
- ◆ **2020:** Design well houses and piped connections to existing distribution system
- ◆ **2021:** Construct well houses and piping systems
- ◆ **2022:** System startup, check-out and full operation

Right of Entry for Test Wells

- SA will give notice prior to entry
- Only during normal business hours (M-F, 8-5)
- Work should require only a few weeks at each location
- Owner is fully released from any liability
- SA will restore all affected work areas to prior condition
- Owner agrees to work with the SA in good faith for ingress/egress, temporary and permanent easement **should test well site be selected for conversion to production well**

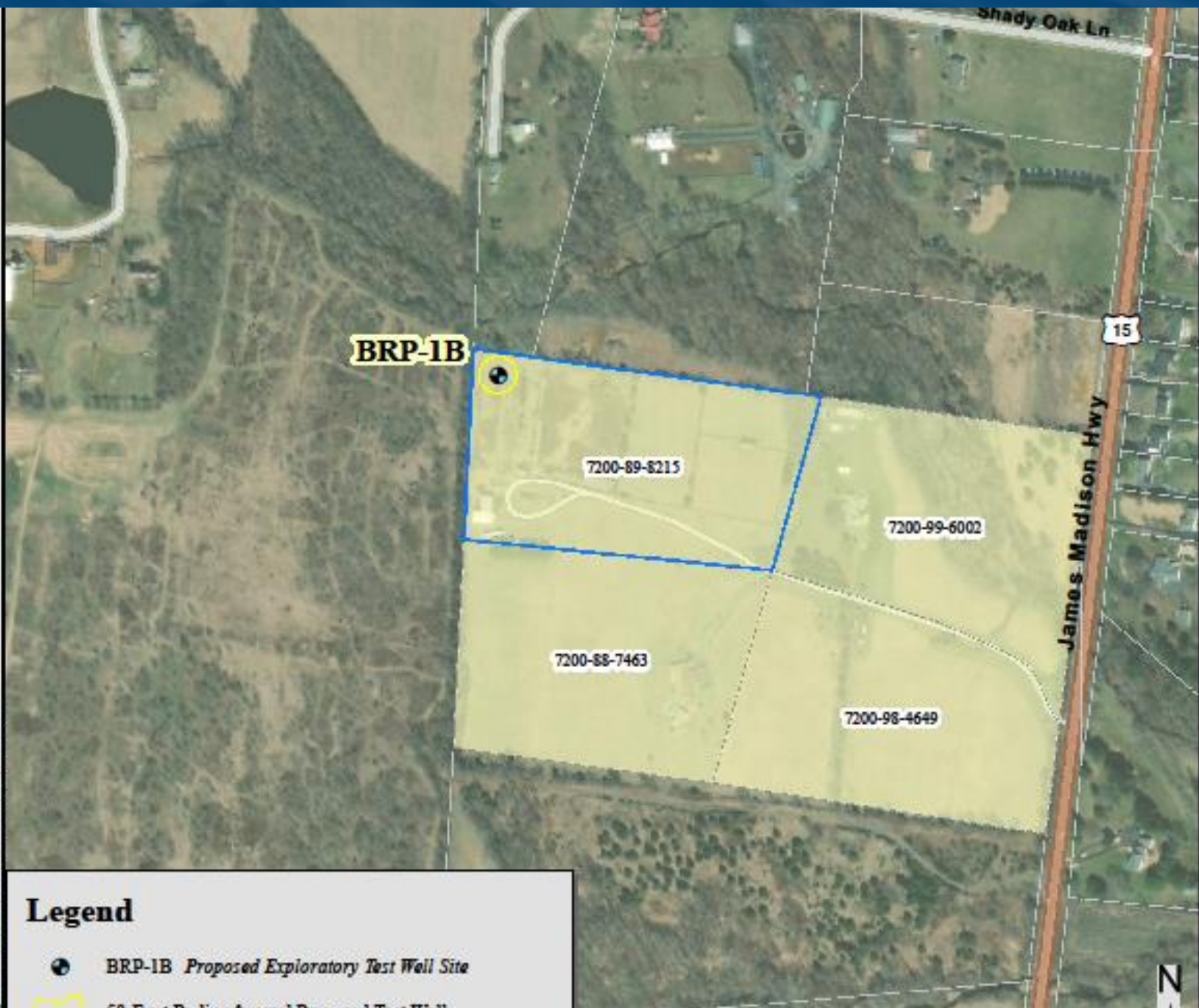
Easements

- ◆ Ingress/egress easement
 - ◆ Temporary – expires when construction is completed
 - ◆ Used mainly for vehicle access to work site
- ◆ Temporary easement
 - ◆ Temporary – expires when construction is completed
 - ◆ Used mainly for storage of materials along/near permanent easement
- ◆ Permanent easement
 - ◆ Remains in place after construction
 - ◆ Used for drive/road access, buried water mains and production well heads and housing





any Service Authority (PWSA) will be held harmless for any direct or indirect claim based on this data. The PWSA is not responsible for assumptions, calculations, designs or construction activities making use of or derived from this data.

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Legend

-  BRP-1B *Proposed Exploratory Test Well Site*
-  50-Foot Radius Around Proposed Test Well

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Legend

-  BRP-2A *Proposed Exploratory Test Well Site*
-  50-Foot Radius Around Proposed Test Well

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Legend

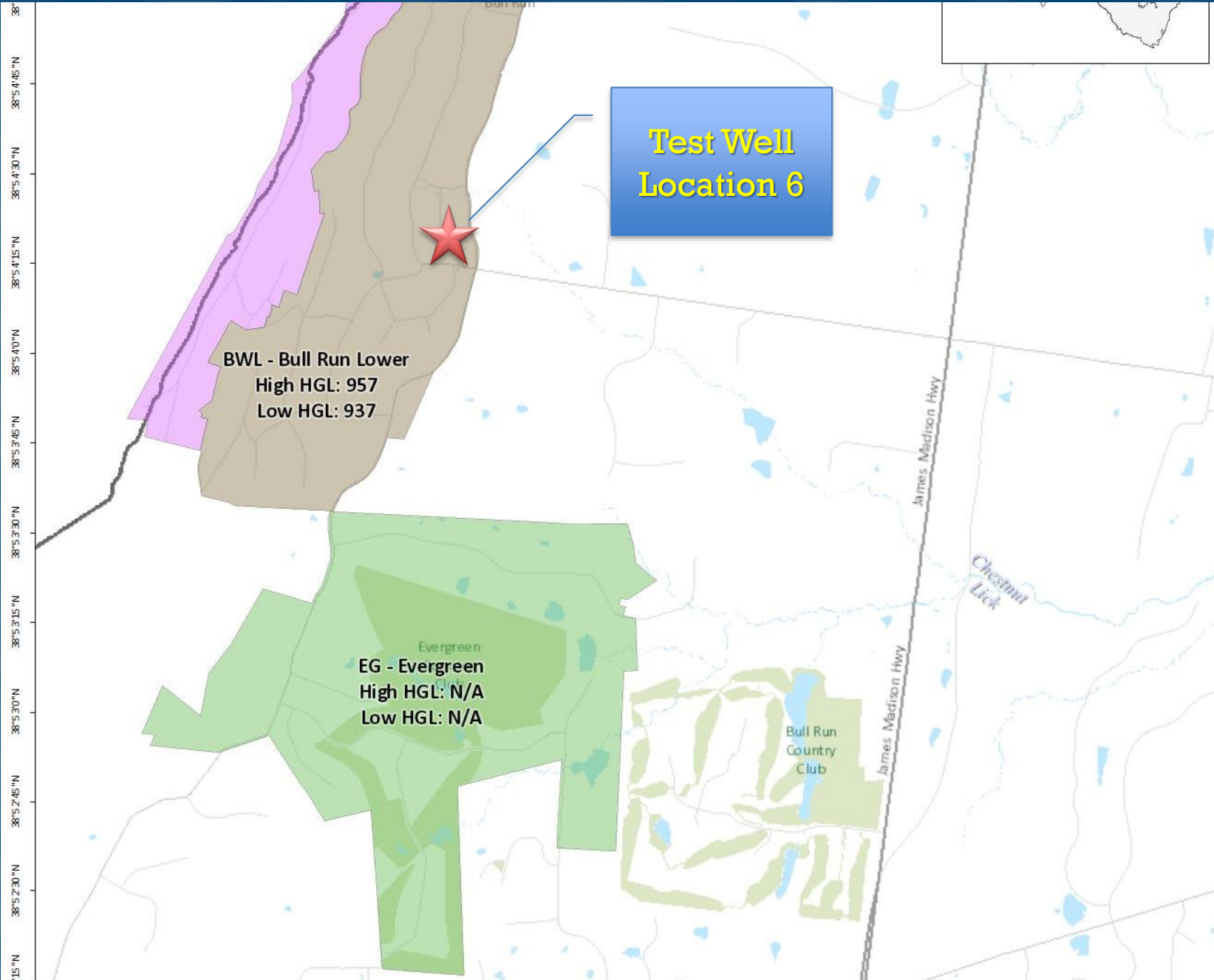
-  BRP-2B *Proposed Exploratory Test Well Site*
-  50-Foot Radius Around Proposed Test Well

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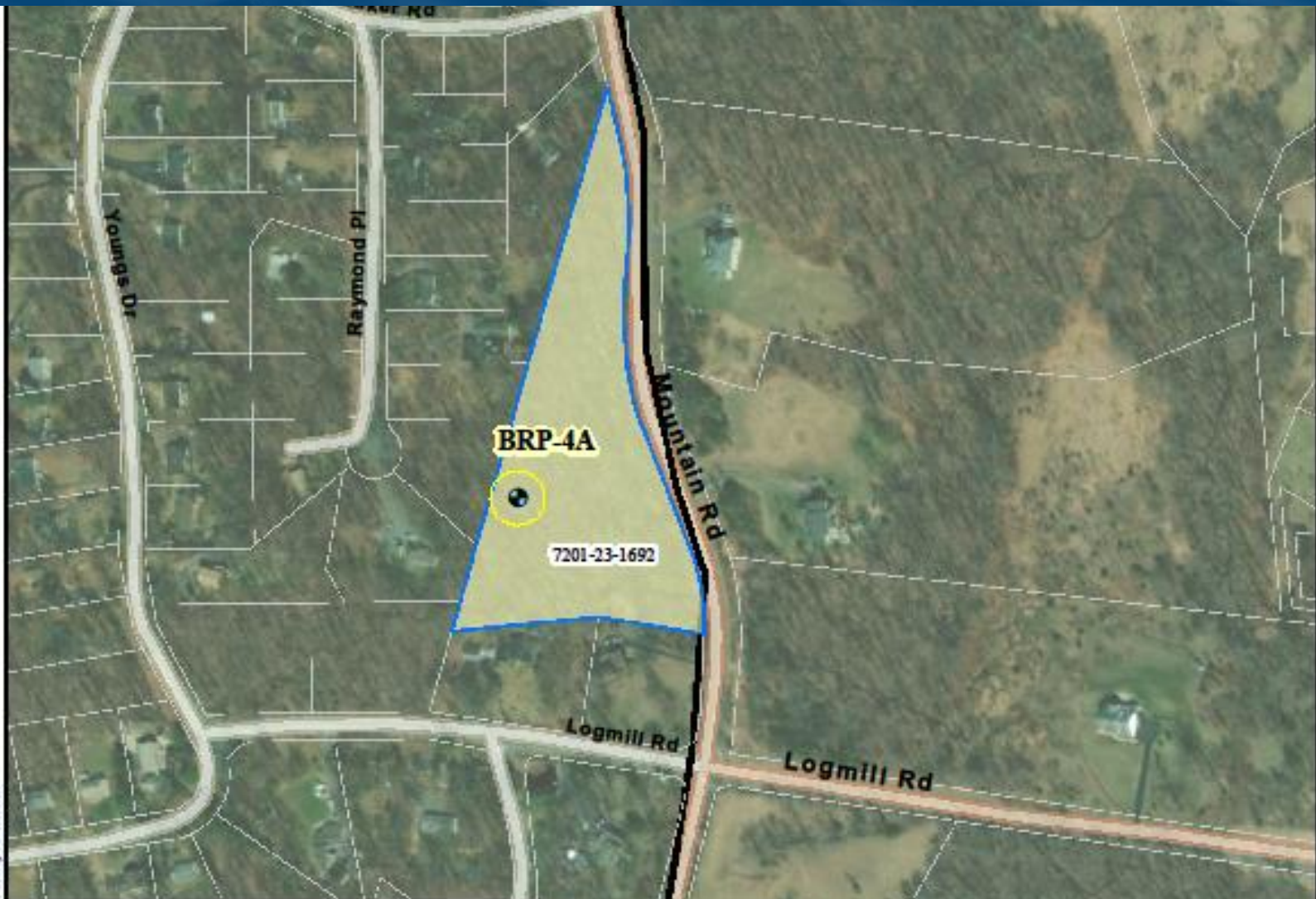
Legend

-  BRP-3A *Proposed Exploratory Test Well Site*
-  50-Foot Radius Around Proposed Test Well
-  Parcel 7200-09-1476






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Legend

-  BRP-4A *Proposed Exploratory Test Well Site*
-  50-Foot Radius Around Proposed Test Well
-  Parcel 7201-23-1692



Questions?

Project website:

<https://www.pwcsa.org/brme-project>

Email: BRMEWater@pwcsa.org



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