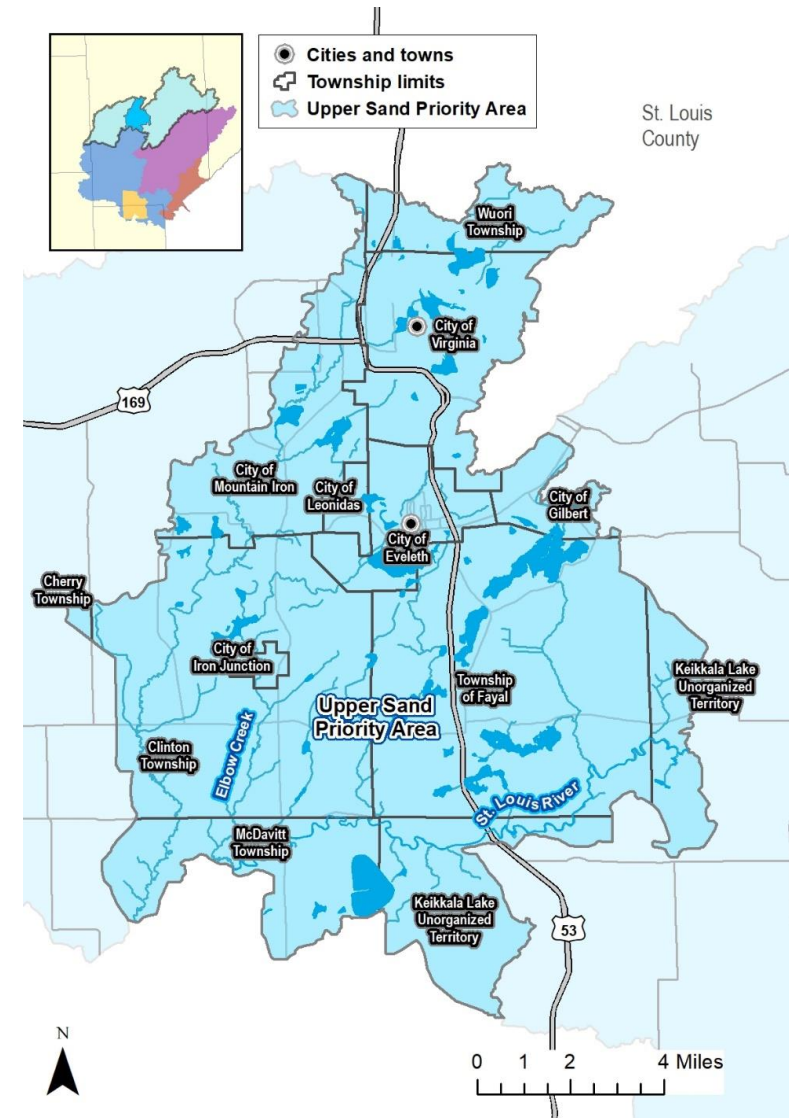
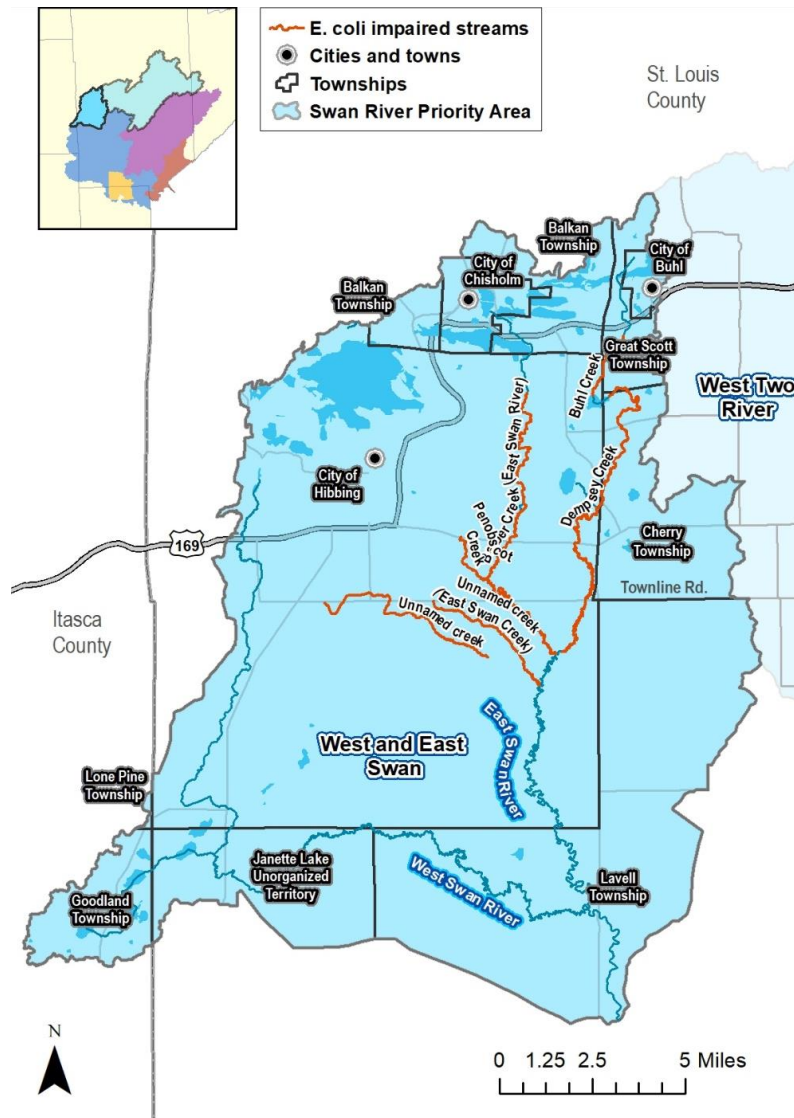


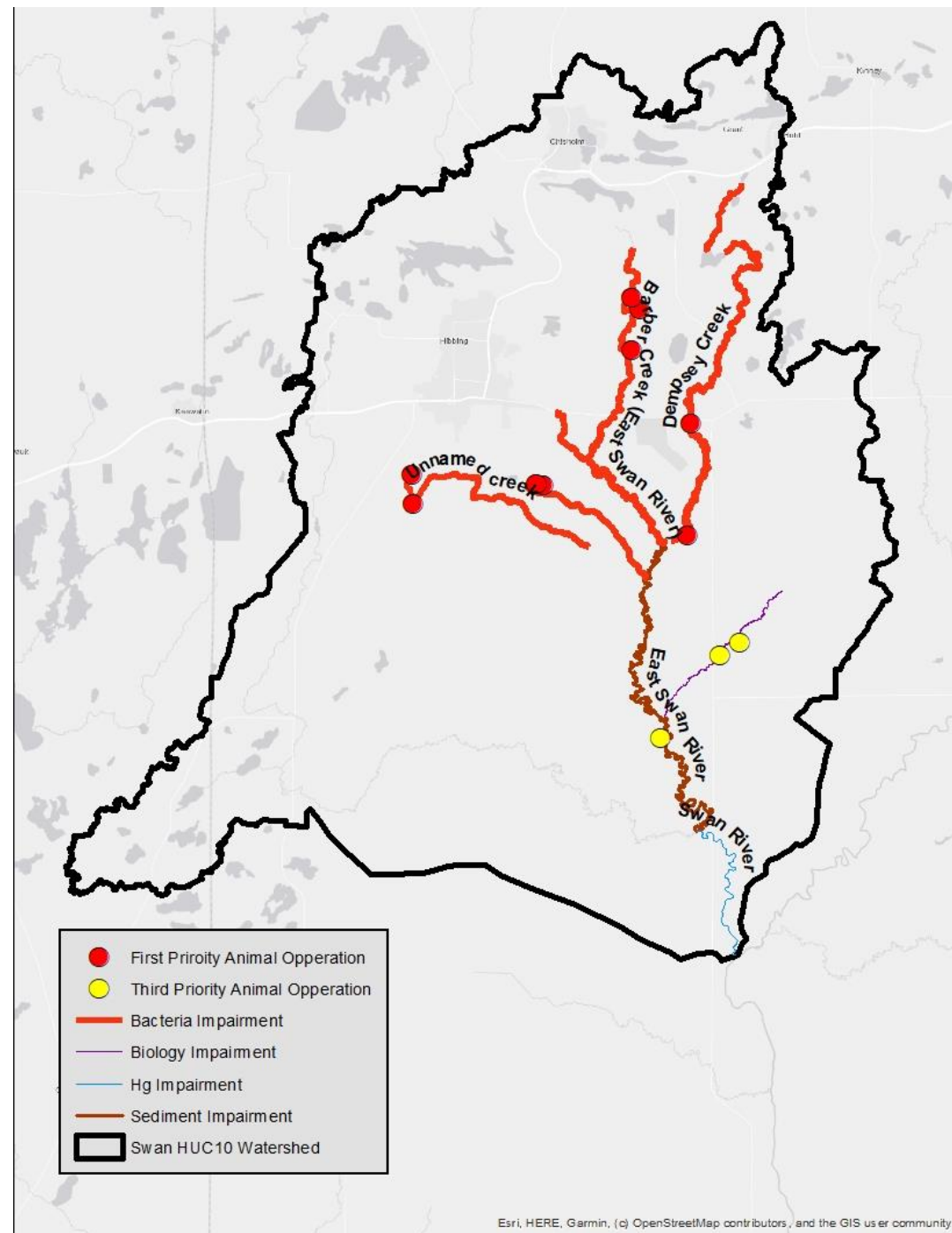
Priority Areas – Swan River Watershed and Upper Sand River Watershed

North St. Louis Goals



Agriculture

- Complete farm projects on 50% of properties identified as needing enhancements (e.g., livestock exclusion, manure storage, pasture management) where there are bacteria impairments.
 - Within the Swan River, complete projects on 9 priority farms.



Bacteria

- X% of municipalities with identified bacteria impairments are implementing plans to reduce bacteria in surface waters.
 - Swan River: 2 municipalities
 - Upper Sand: 3 municipalities (no bacteria impairments within the priority area)

Swan River Cities

- Hibbing
- Chisholm
- Buhl

Upper Sand River Cities

- *Virginia – smart salt certified staff*
- Mountain Iron
- Eveleth
- Gilbert
- Iron Junction
- Leonidas

Chlorides

- Manage chlorides reaching surface and ground water from road salts and water softener salts by ensuring X% of municipalities have Smart Salt Certified Staff, X% Communities achieved Level 2 Certified and education and outreach to X% of priority landowners.
 - Swan River: 2 municipalities
 - Upper Sand: 3 municipalities

Swan River Cities

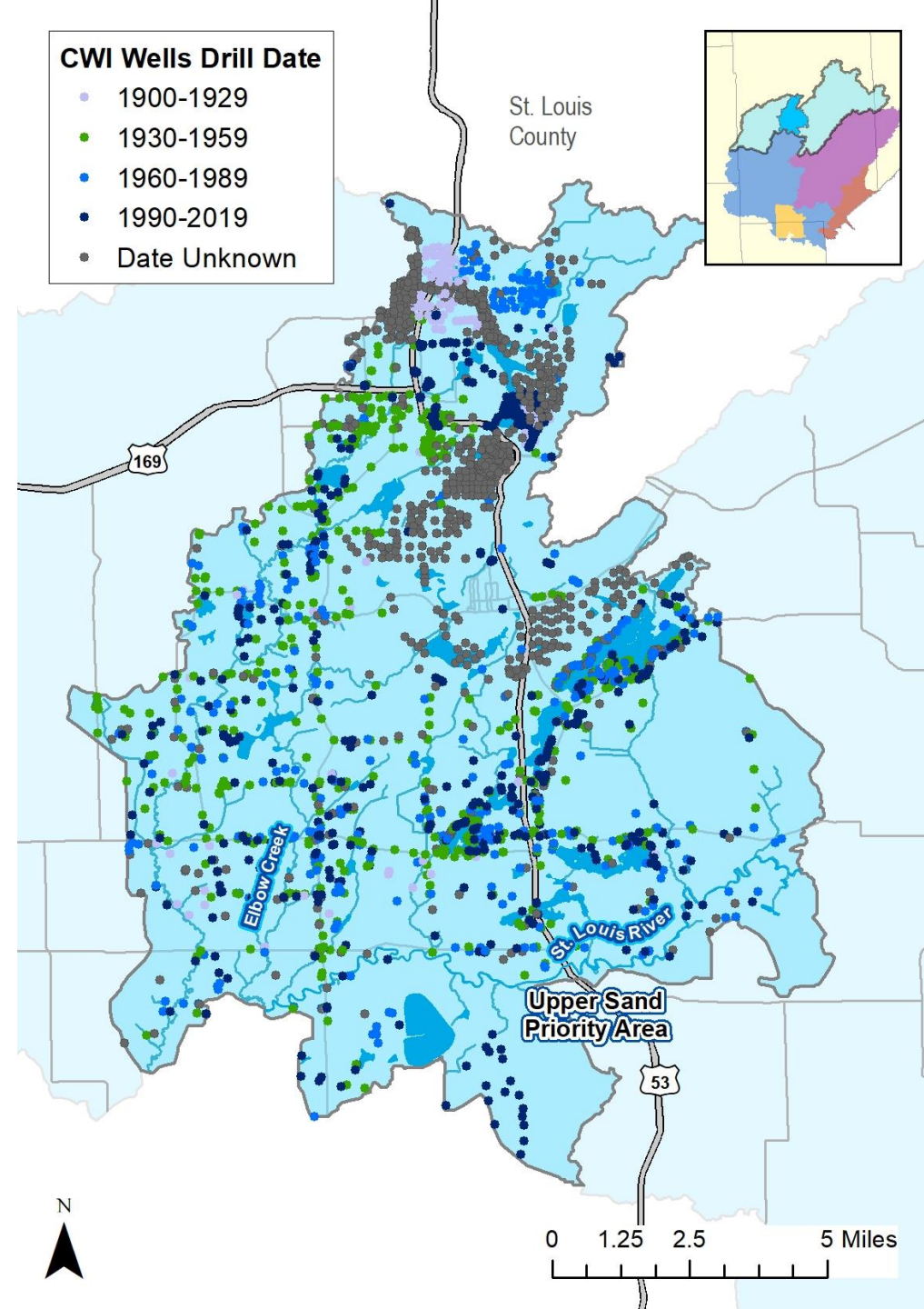
- Hibbing
- Chisholm
- Buhl

Upper Sand River Cities

- *Virginia – smart salt certified staff*
- Mountain Iron
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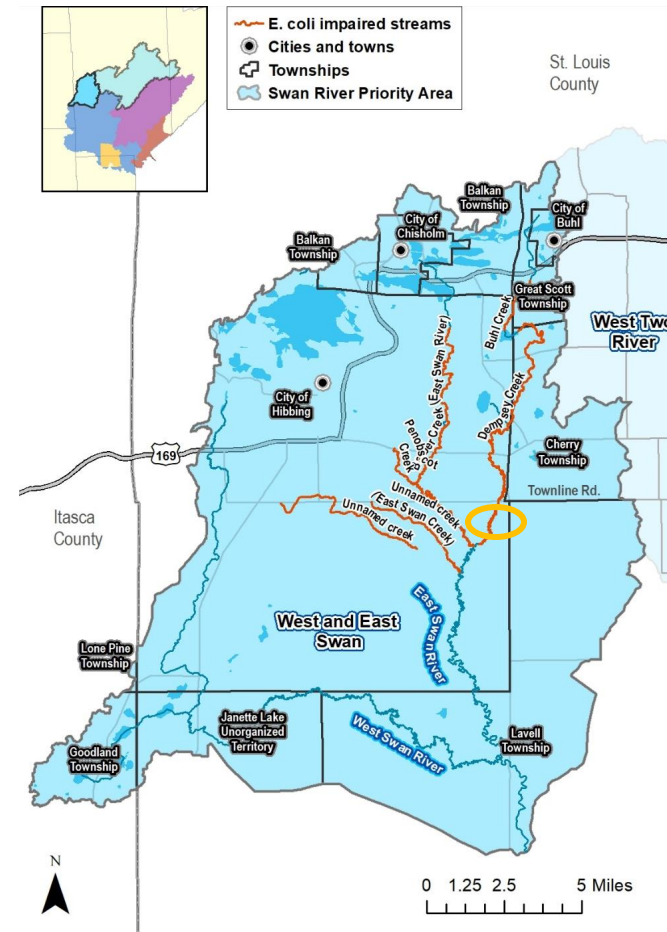
Wells

- Protect groundwater quality by sealing X unused, unsealed wells watershed wide.
 - Swan River: 10 wells
 - Upper Sand: 10 wells
- *Currently no well sealing taking place through SWCD programs*
- *Unsure the # of unsealed, unused wells*



Altered Hydrology- Swan River

- Reconnect 3 miles of priority streams and tributaries to benefit aquatic life and improve water quality.
- Restore stream reaches that have been altered by human activity, including impounded, straightened, and incised stream reaches on 2000 linear feet of high priority streams and tributaries.



Next Steps- Swan River

- X % of communities have updated their ordinances to promote and implement low impact development techniques to reduce stormwater runoff volume and rate control.

Next Steps- Upper Sand River

- Goals related to ordinance updates and altered hydrology:
 - X % of communities have updated their ordinances to promote and implement low impact development techniques to reduce stormwater runoff volume and rate control.
 - Reconnect X miles of priority streams and tributaries to benefit aquatic life and improve water quality.
 - Restore stream reaches that have been altered by human activity, including impounded, straightened, and incised stream reaches on X linear feet of high priority streams and tributaries.