

2014 MAPS



Maps Figure		Page
<i>Figure 1</i>	<i>Radiological Air Surveillance Sampling Locations.</i>	<i>2</i>
<i>Figure 2</i>	<i>SRS Thermoluminescent Dosimeter (TLD) Sampling Locations.</i>	<i>3</i>
<i>Figure 3</i>	<i>Radiological Surface Water Sampling Locations</i>	<i>4</i>
<i>Figure 4</i>	<i>Domestic Water Systems</i>	<i>5</i>
<i>Figure 5</i>	<i>Fish Sampling Locations</i>	<i>6</i>
<i>Figure 6</i>	<i>Radiological Soil Sampling Locations.</i>	<i>7</i>
<i>Figure 7</i>	<i>Radiological Sediment Sampling Locations</i>	<i>8</i>
<i>Figure 8</i>	<i>Radiological Vegetation Sampling Locations</i>	<i>9</i>
<i>Figure 9</i>	<i>Nonradiological Surface Water Sampling Locations</i>	<i>10</i>
<i>Figure 10</i>	<i>Nonradiological Sediment Sampling Locations</i>	<i>11</i>
<i>Figure 11</i>	<i>Sector-Specific Representation Air Pathway Doses (in mrem) for 2014</i>	<i>12</i>

[Click to Return to List of Figures](#)

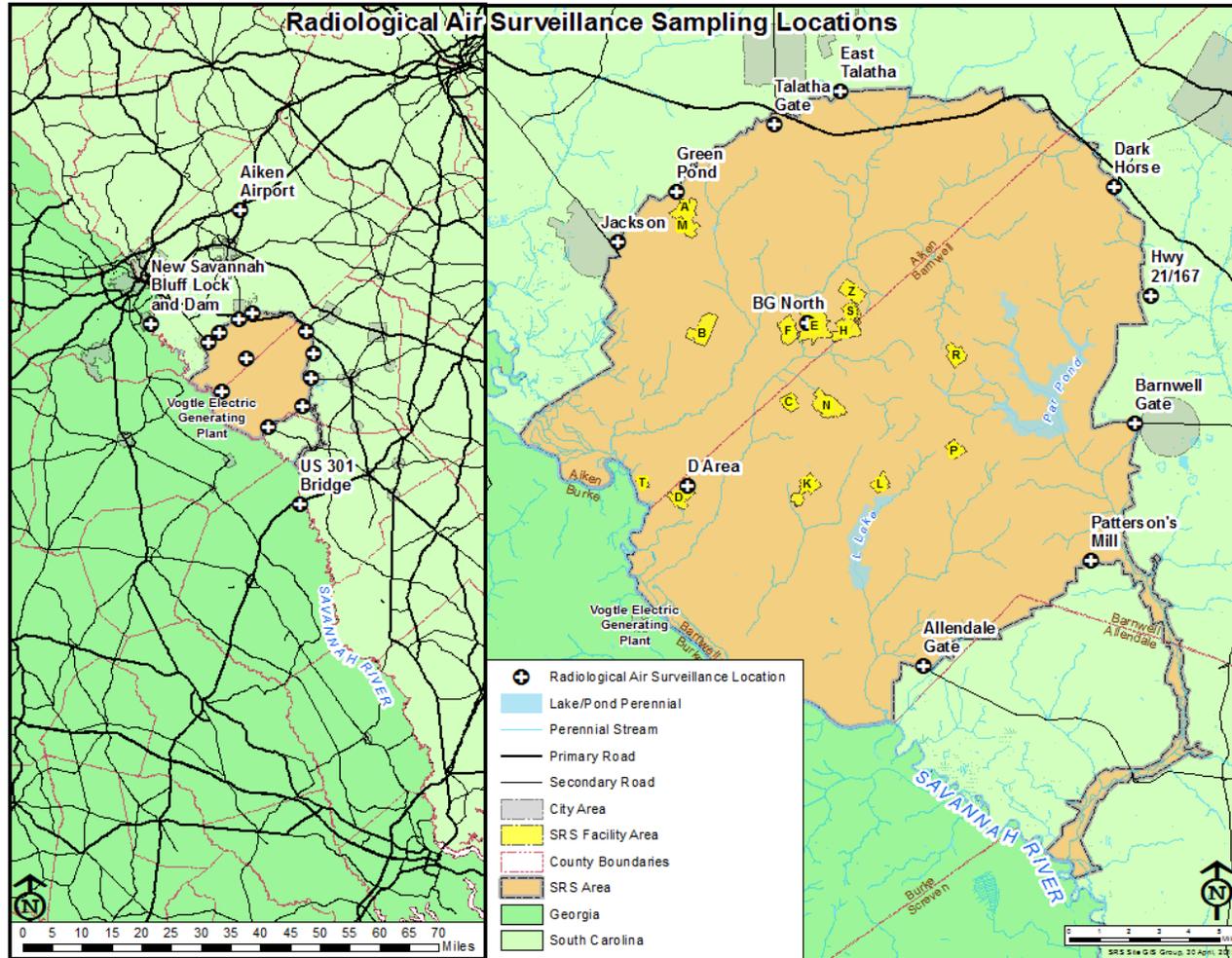


Figure 1 Radiological Air Surveillance Sampling Locations

The SRS air surveillance program consists of 11 stations located onsite or along the Site perimeter, as well as three stations approximately 25 miles from the Site perimeter (located near the U.S. Hwy 301 Bridge over the Savannah River, near the New Savannah Bluff Lock and Dam, also known as the Augusta Lock and Dam; and at the Aiken airport) and one about 100 miles from the Site perimeter (near Savannah, Georgia).

[Click to Return to List of Figures](#)

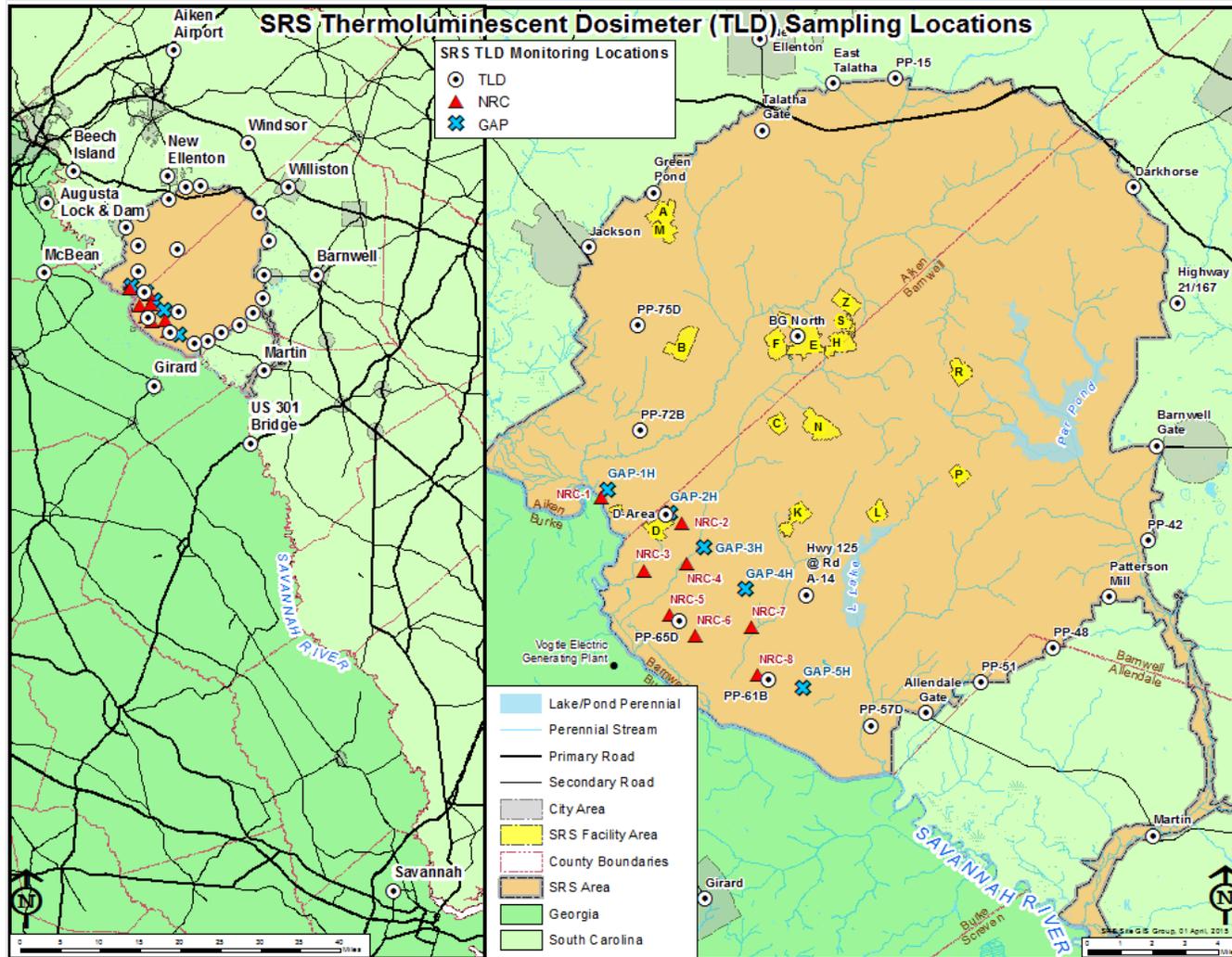


Figure 2 SRS Thermoluminescent Dosimeter (TLD) Sampling Locations

Ambient gamma radiation exposure is measured at SRS at the following locations: Plant Vogtle vicinity, population centers, air surveillance stations, and Site perimeter stations.

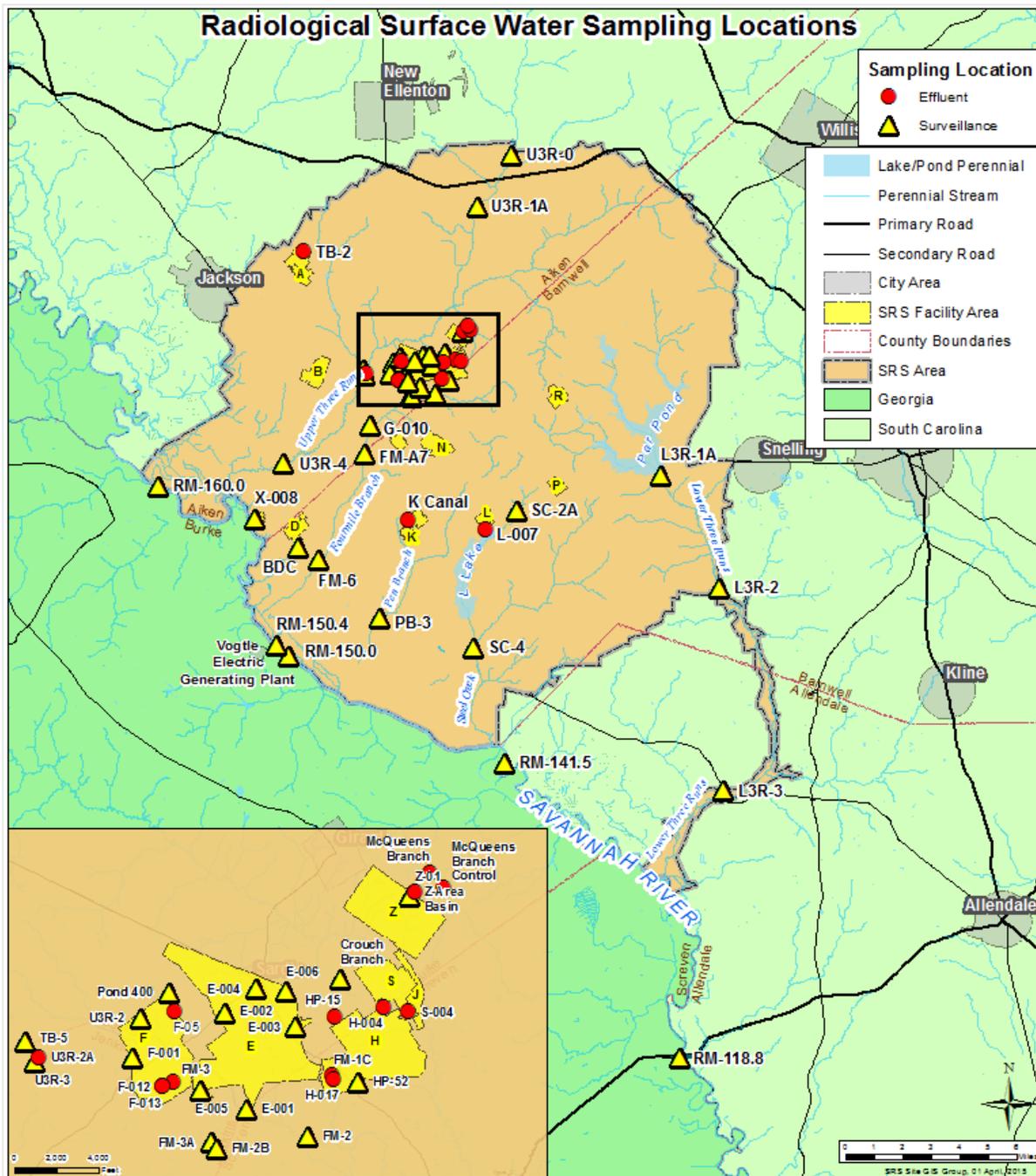


Figure 3 Radiological Surface Water Sampling Locations

Surveillance and effluent sampling points are near SRS facilities, onsite streams, and on the Savannah River.

[Click to Return to List of Figures](#)

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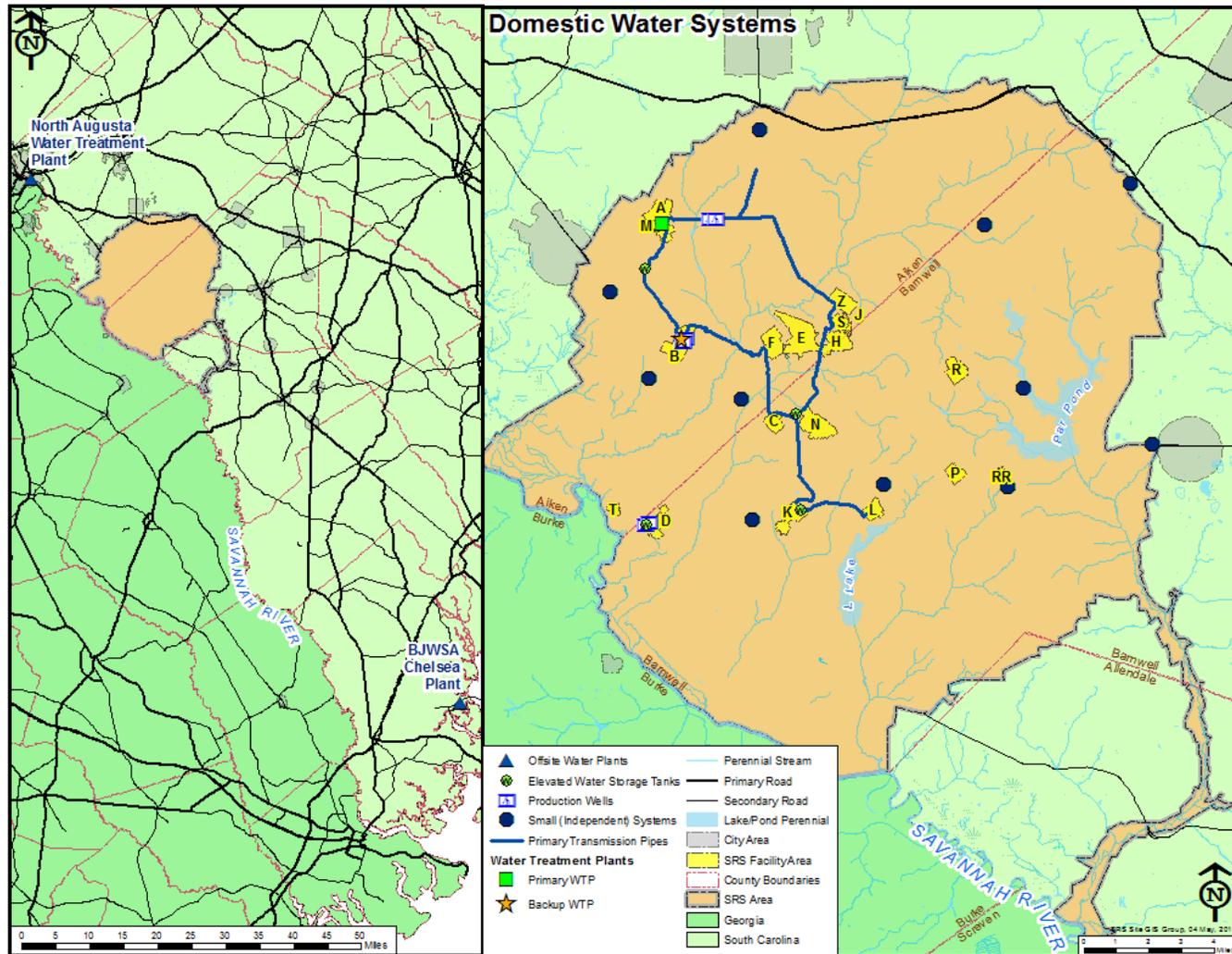


Figure 4 Domestic Water Systems

Most of the drinking water at SRS is supplied by one “large” system, which requires regulatory oversight and is sampled on a regular basis. The Site also has 12 “small” domestic water facilities, which serve populations of fewer than 25 persons. Only four of the smaller systems require regulatory oversight and are routinely sampled.

Click to Return
to List of Figures

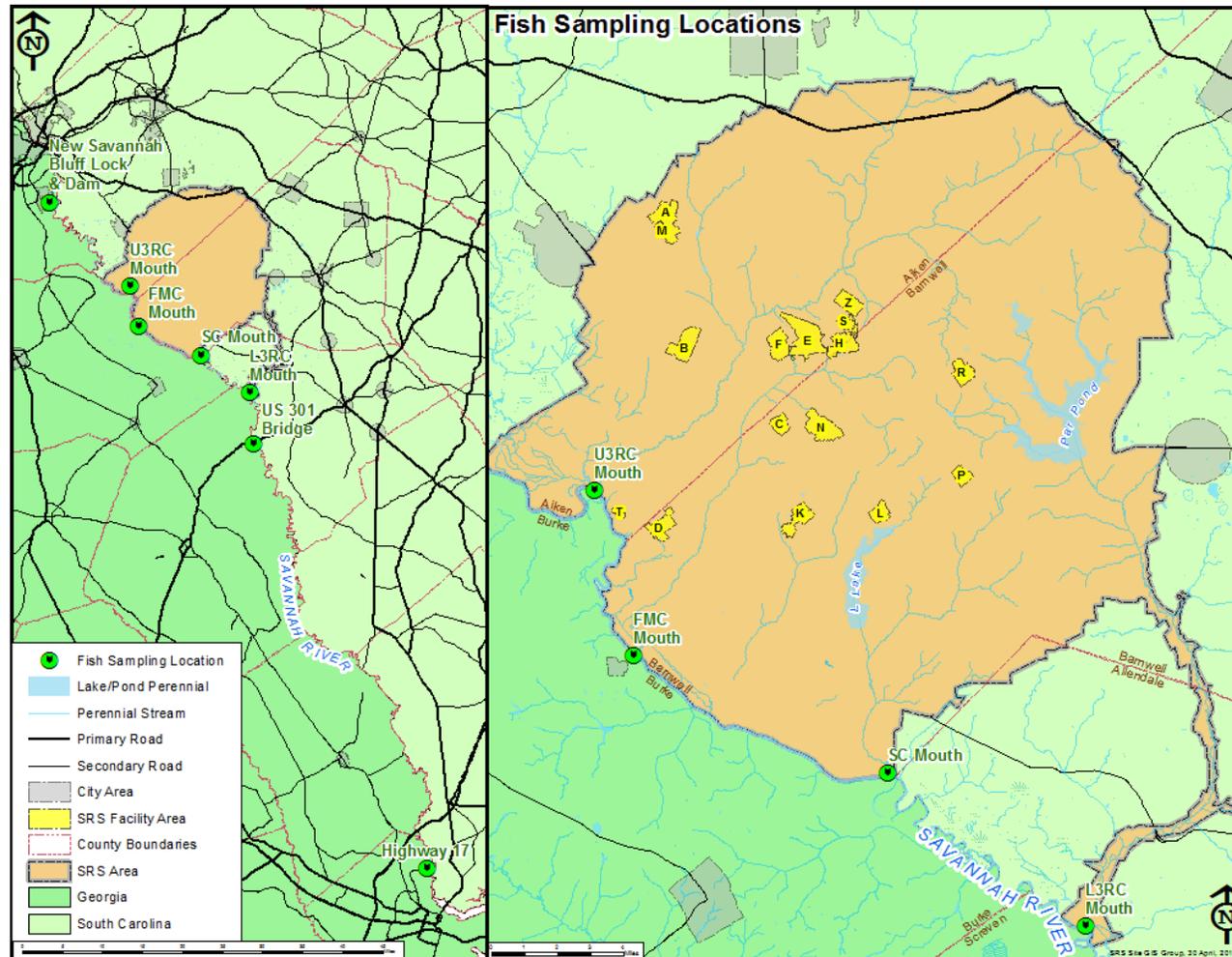


Figure 5 Fish Sampling Locations

SRS collects fish (for both radiological and nonradiological analyses) from the Savannah River above, adjacent to, and below the Site, as well as near Savannah, Georgia.

[Click to Return to List of Figures](#)

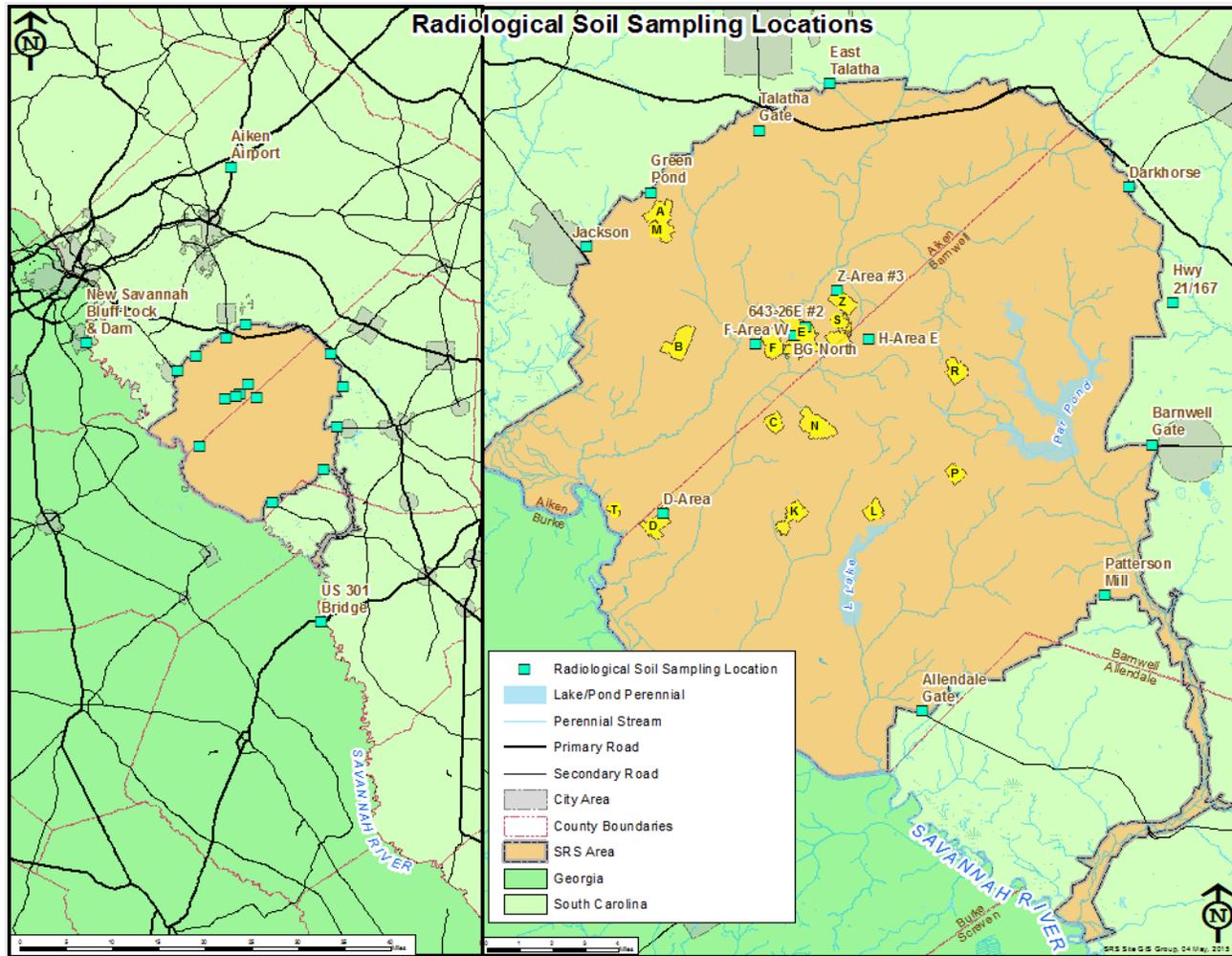


Figure 6 Radiological Soil Sampling Locations

SRS collected soil samples in 2014 from five onsite locations, 10 Site perimeter locations, and three offsite locations.

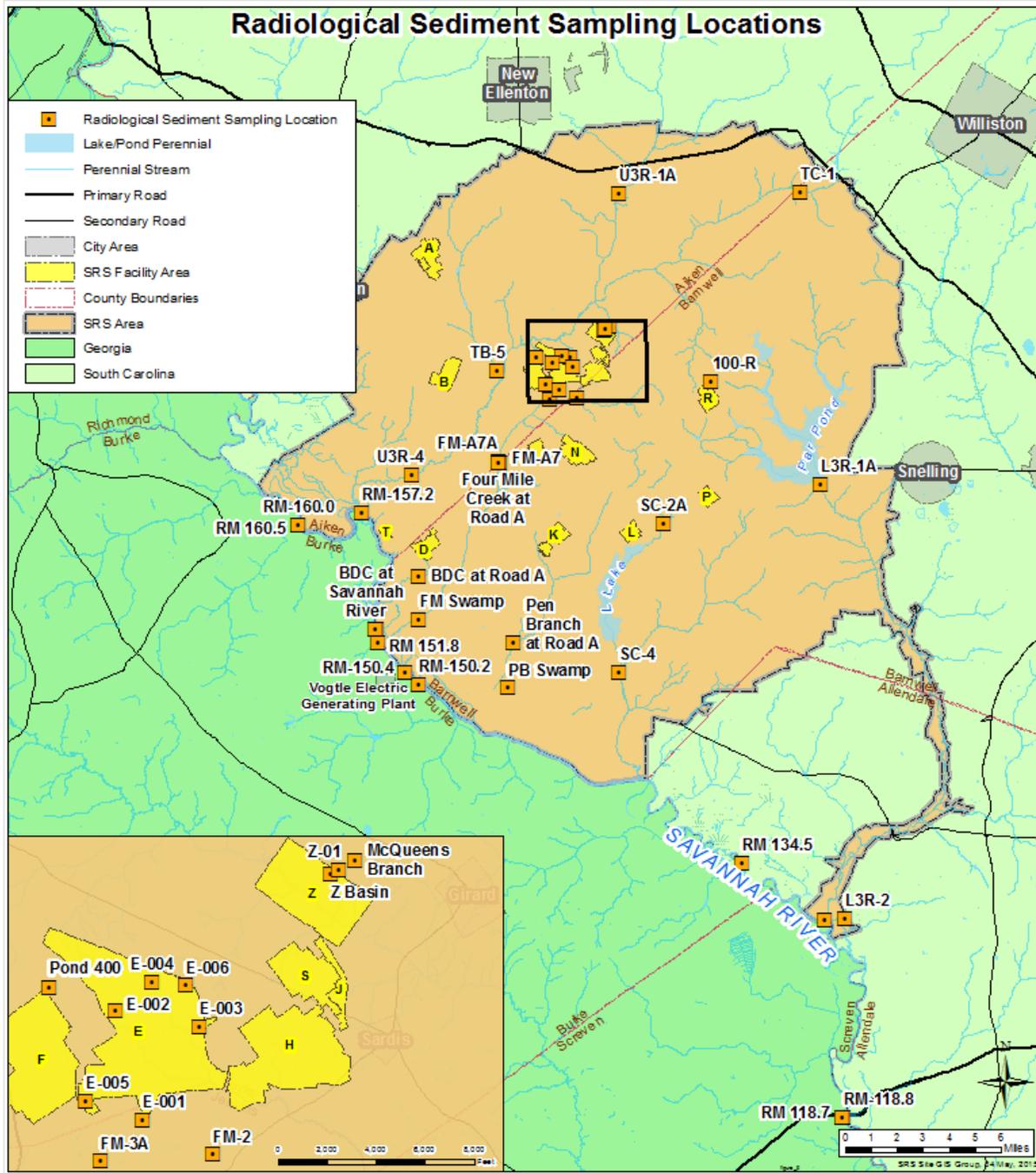


Figure 7 Radiological Sediment Sampling Locations

Sediment samples were collected in 2014 at eight Savannah River locations – upriver of, adjacent to, and downriver of the Site – and 32 onsite locations. (Note: Locations for special samples taken with SCDHEC are not shown on the map.)

[Click to Return to List of Figures](#)

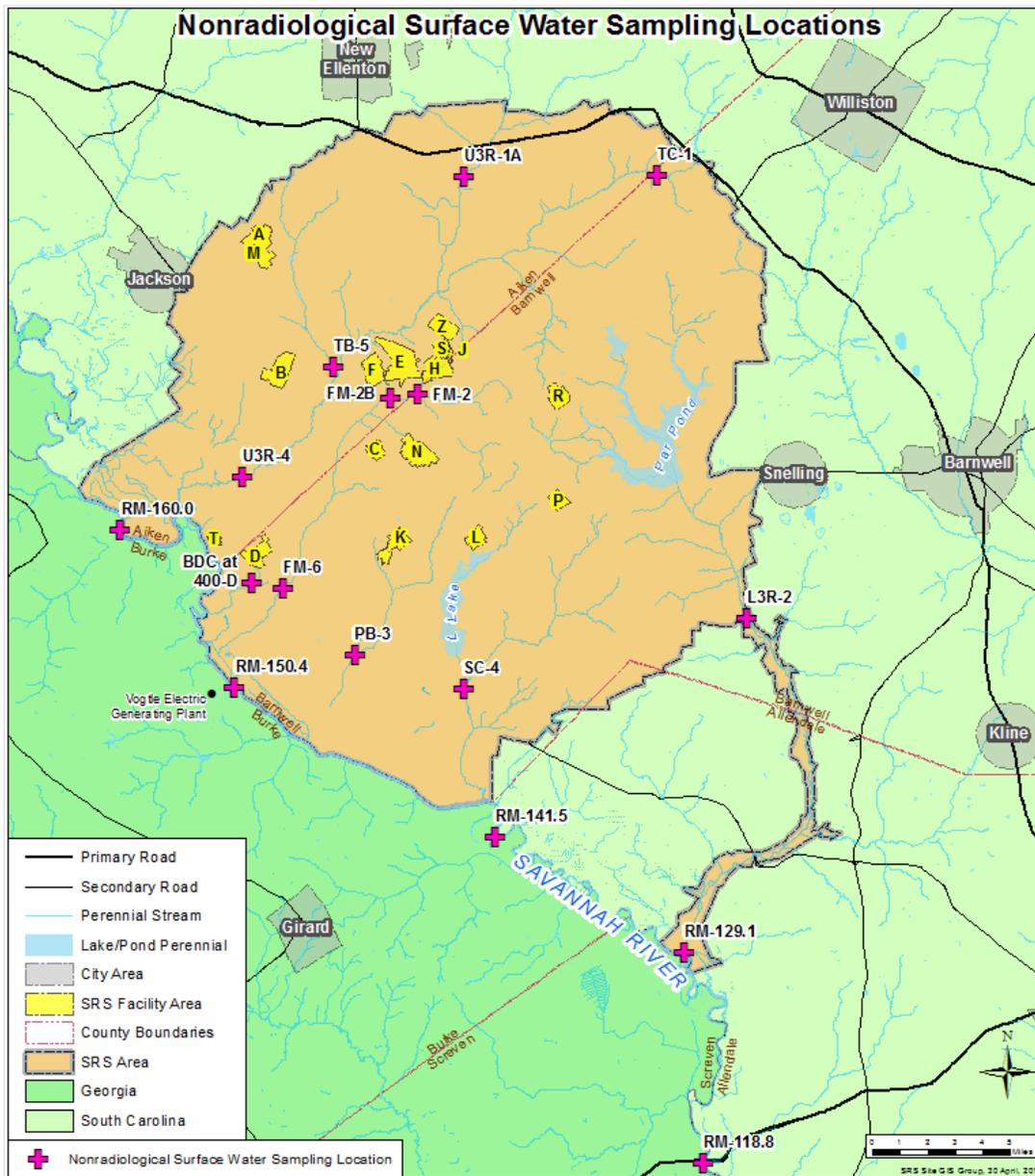


Figure 9 Nonradiological Surface Water Sampling Locations

Surface water samples are collected from five Savannah River and 11 SRS stream locations and are analyzed for various chemical and physical properties.

Click to Return
to List of Figures

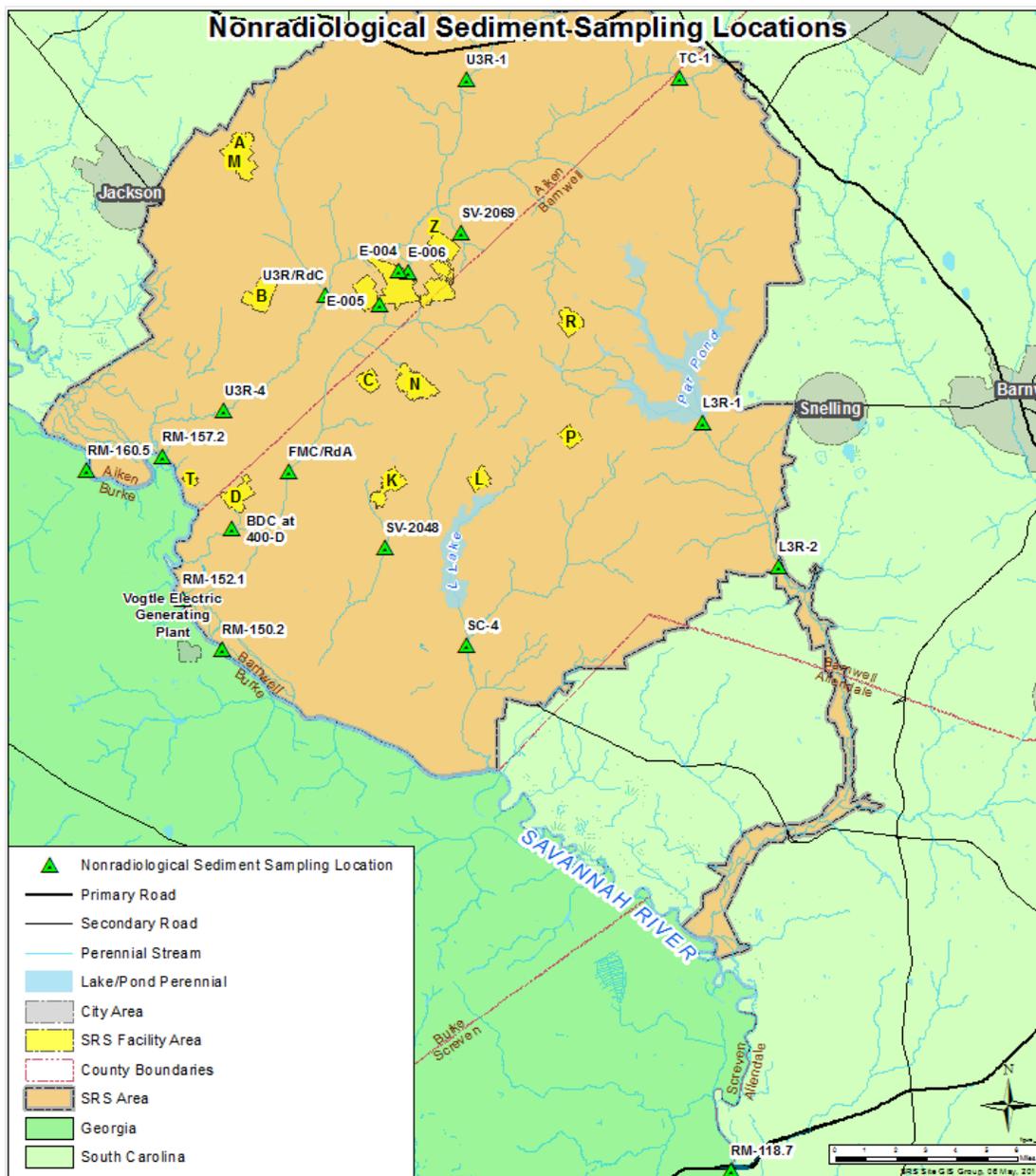


Figure 10 Nonradiological Sediment Sampling Locations

Sediment samples are collected at eight onsite stream locations and three Savannah River locations. The samples are analyzed for various inorganic contaminants (metals) and pesticides/herbicides. (Note: Locations for special samples taken with SCDHEC are not shown on the map.)

[Click to Return to List of Figures](#)

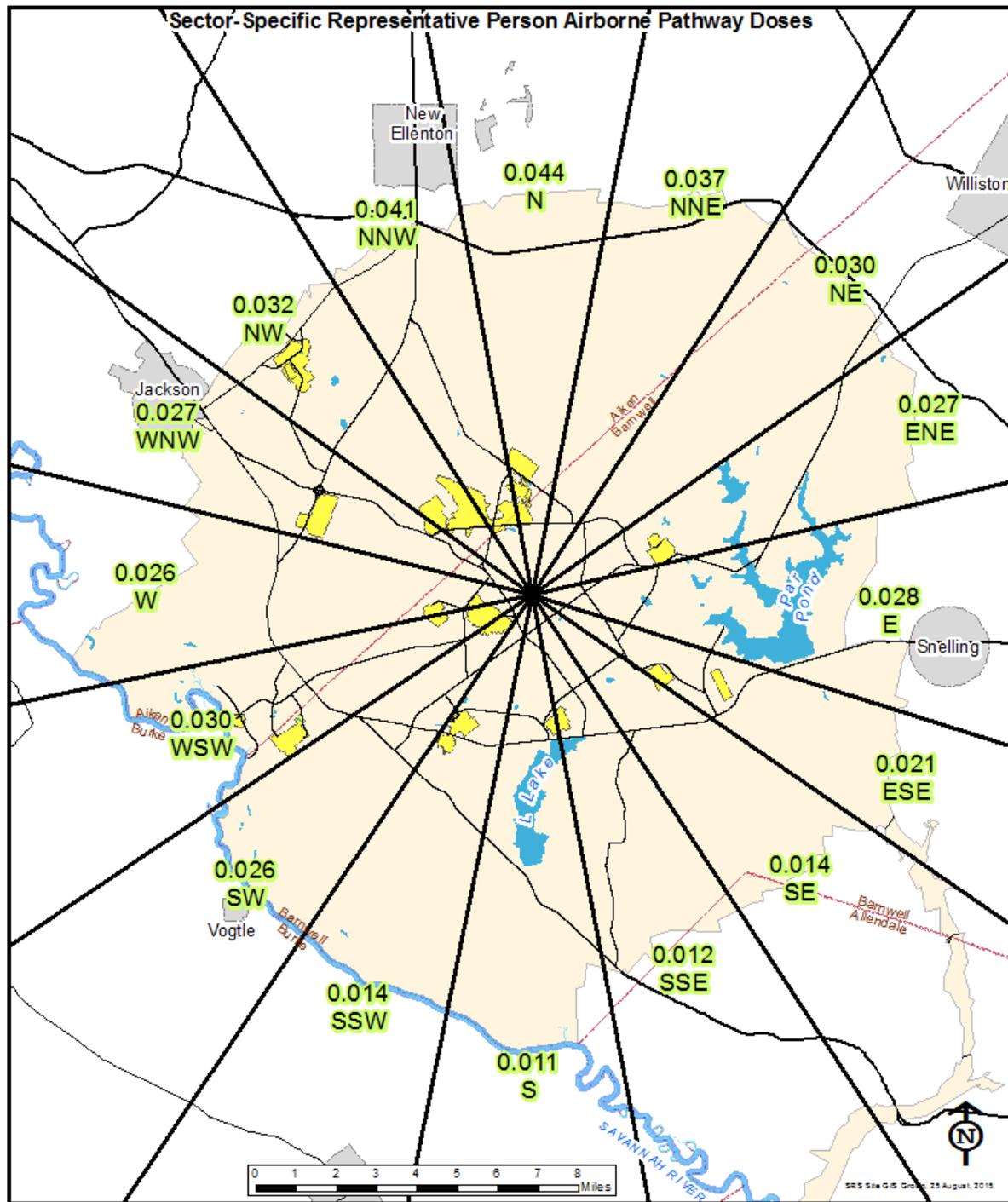


Figure 11 Sector-Specific Representative Person Air Pathway Doses (in mrem) for 2014

The representative person Site boundary doses from airborne releases are shown for each of the 16 major compass point directions surrounding SRS. In 2014, the N, NNW, and NNE sectors had essentially the same representative person dose of 0.04 mrem. However, the N sector was slightly higher than the other sectors when the third decimal point was considered.

[Click to Return to List of Figures](#)