

## **Appendix E.**

### **Pollutant Load Maps of SWAT Model Results**

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## Abbreviations and Acronyms

|                 |                                      |
|-----------------|--------------------------------------|
| NO <sub>x</sub> | nitrate plus nitrite                 |
| Ohio EPA        | Ohio Environmental Protection Agency |
| SRP             | soluble reactive phosphorus          |
| SWAT            | Soil and Water Assessment Tool 2009  |
| TKN             | total Kjeldahl nitrogen              |
| TMDL            | total maximum daily load             |
| TSS             | total suspended solids               |
| WAU             | watershed assessment unit            |

## Units of Measure

|         |                       |
|---------|-----------------------|
| lbs/yr  | pounds per year       |
| tons/yr | tons (short) per year |

### Sandusky basin (04100011)

#### TP\_Load

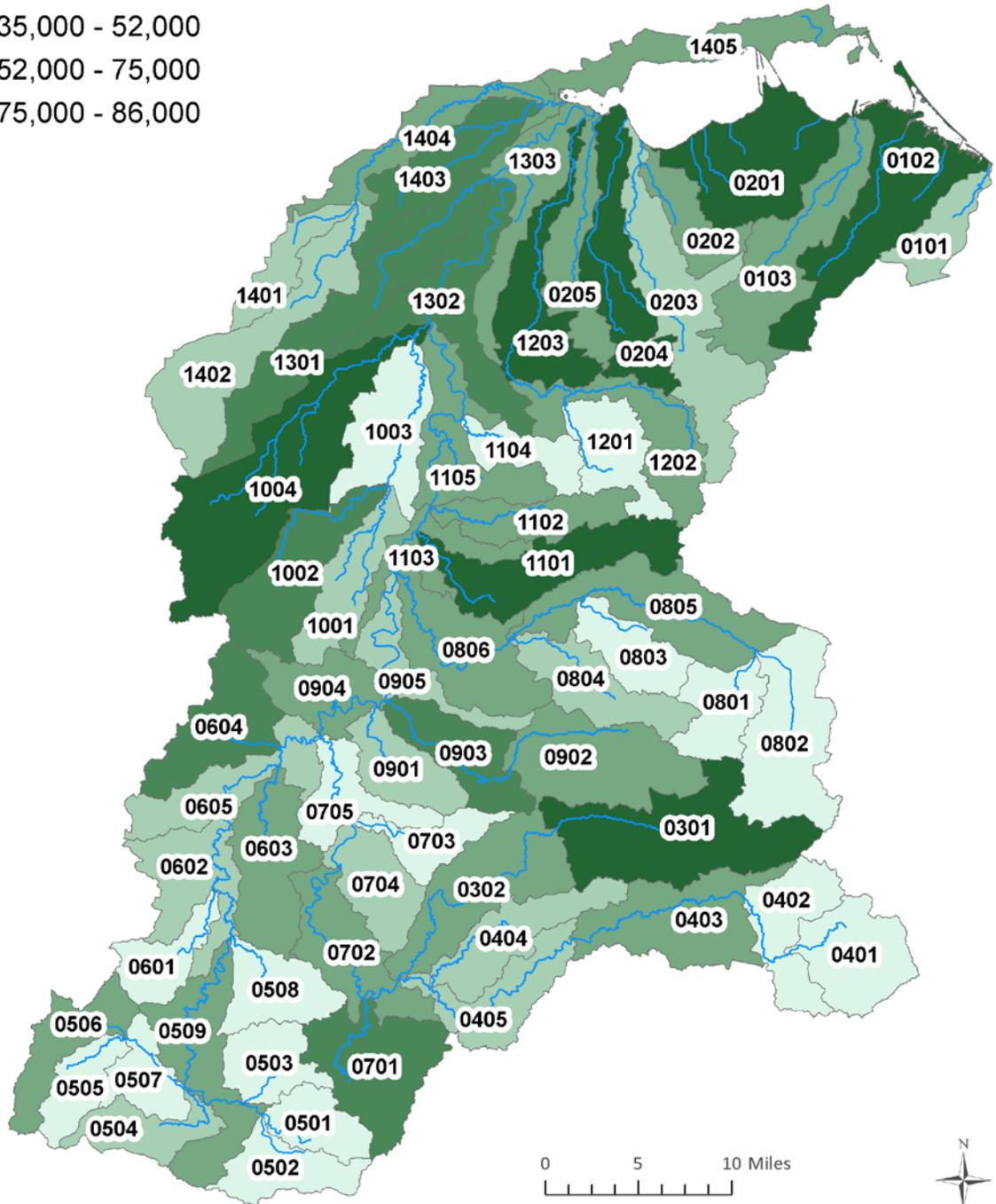
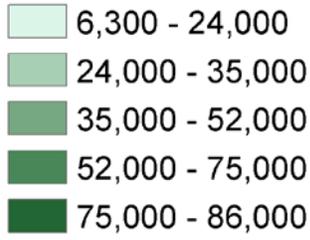


Figure E-1. SWAT model results for total phosphorus (TP) loads by WAU.

### Sandusky basin (04100011)

#### TP\_Load (lbs/sqmi/yr)

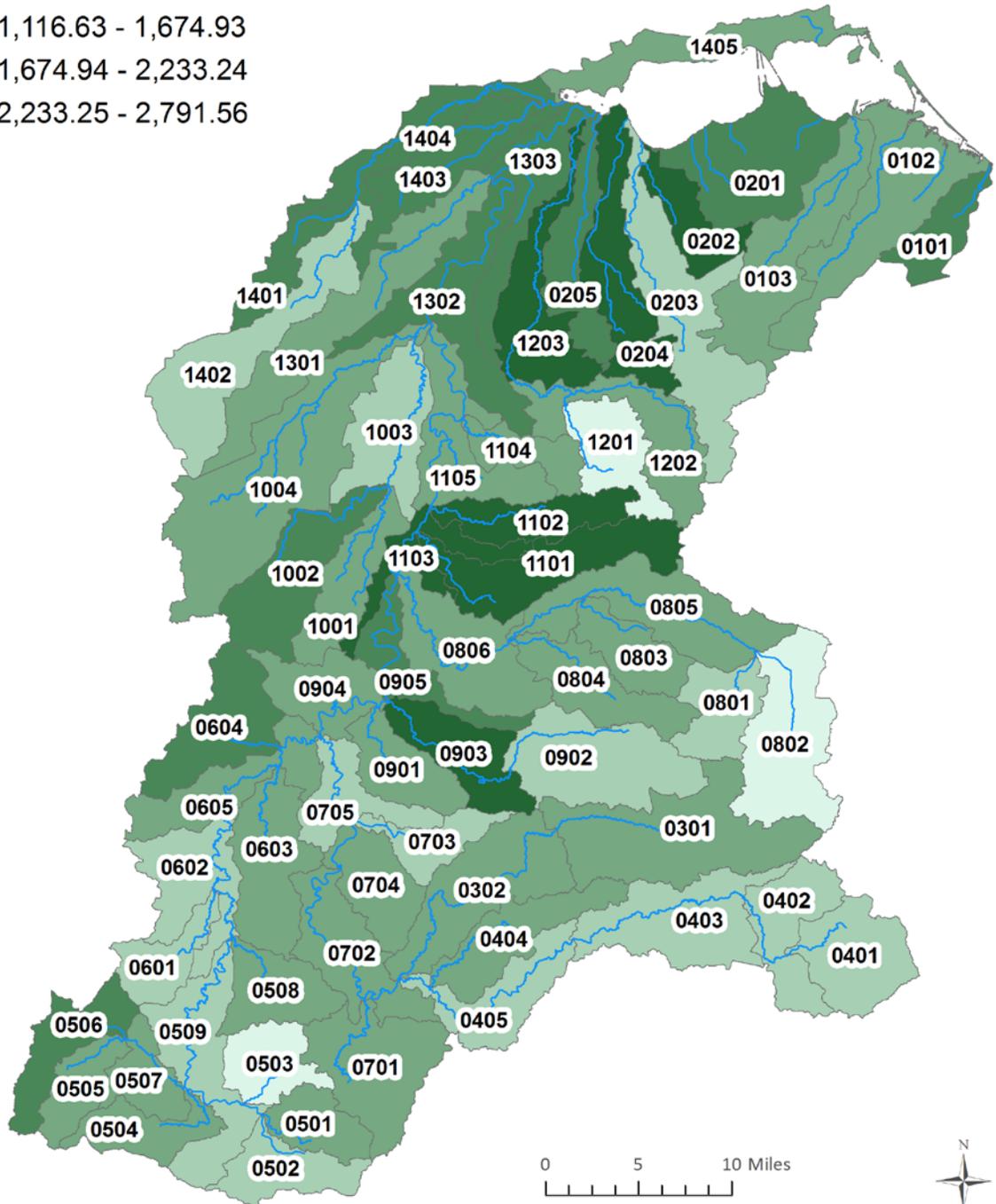


Figure E-2. SWAT model results for unit area TP loads by WAU.

### Sandusky basin (04100011)

#### Percentage of TP Load from Agriculture

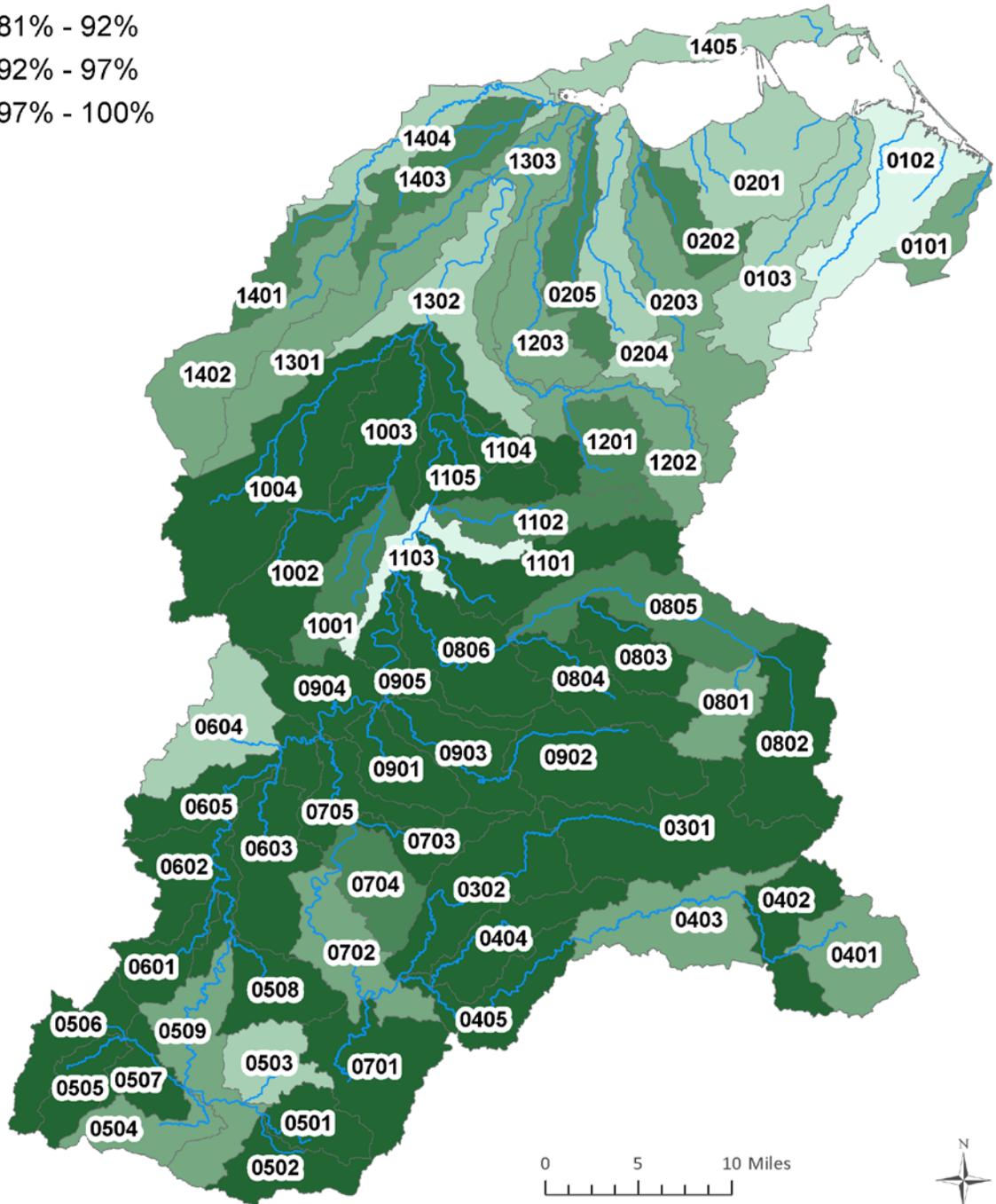
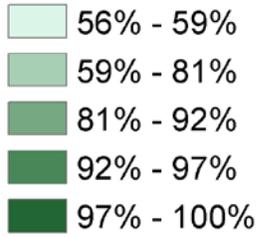
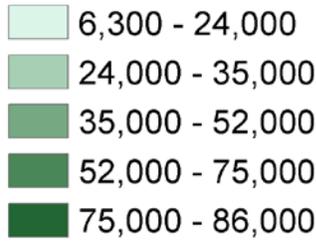


Figure E-3. SWAT model results for TP loads derived from cultivate crops by WAU.

**Sandusky basin (04100011)**

**TP\_Load**



**Ohio EPA Attainment and Impairment**

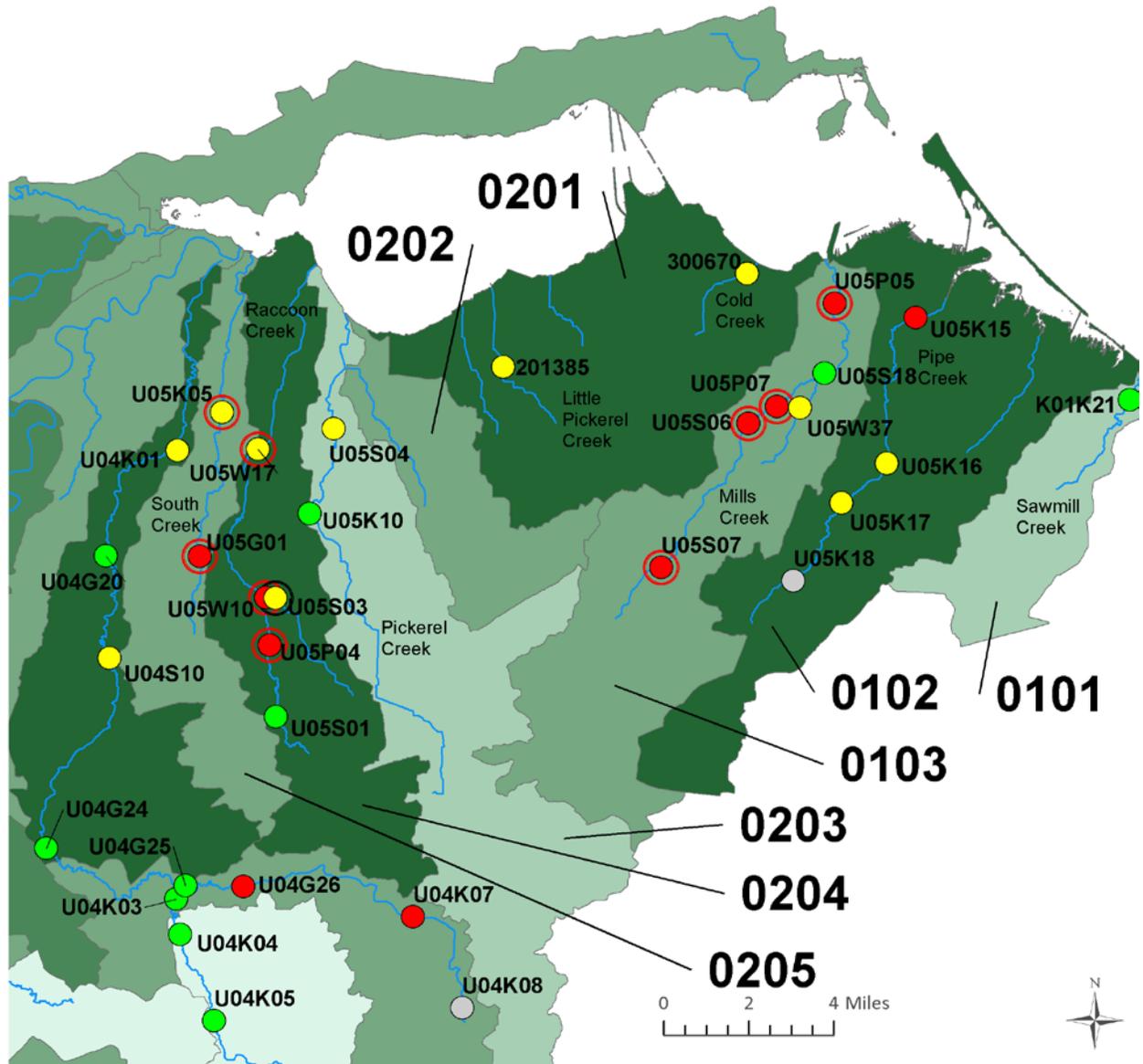
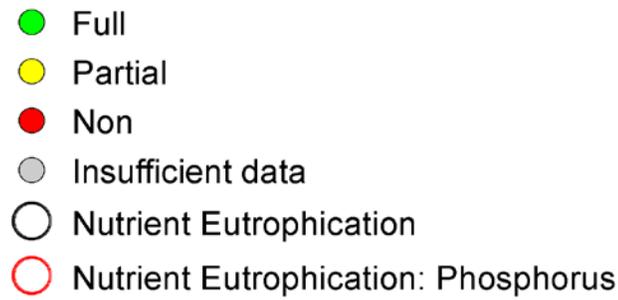


Figure E-4. SWAT model results for TP loads in the Sandusky Bay tributaries.

### Sandusky basin (04100011)

#### SRP\_Load

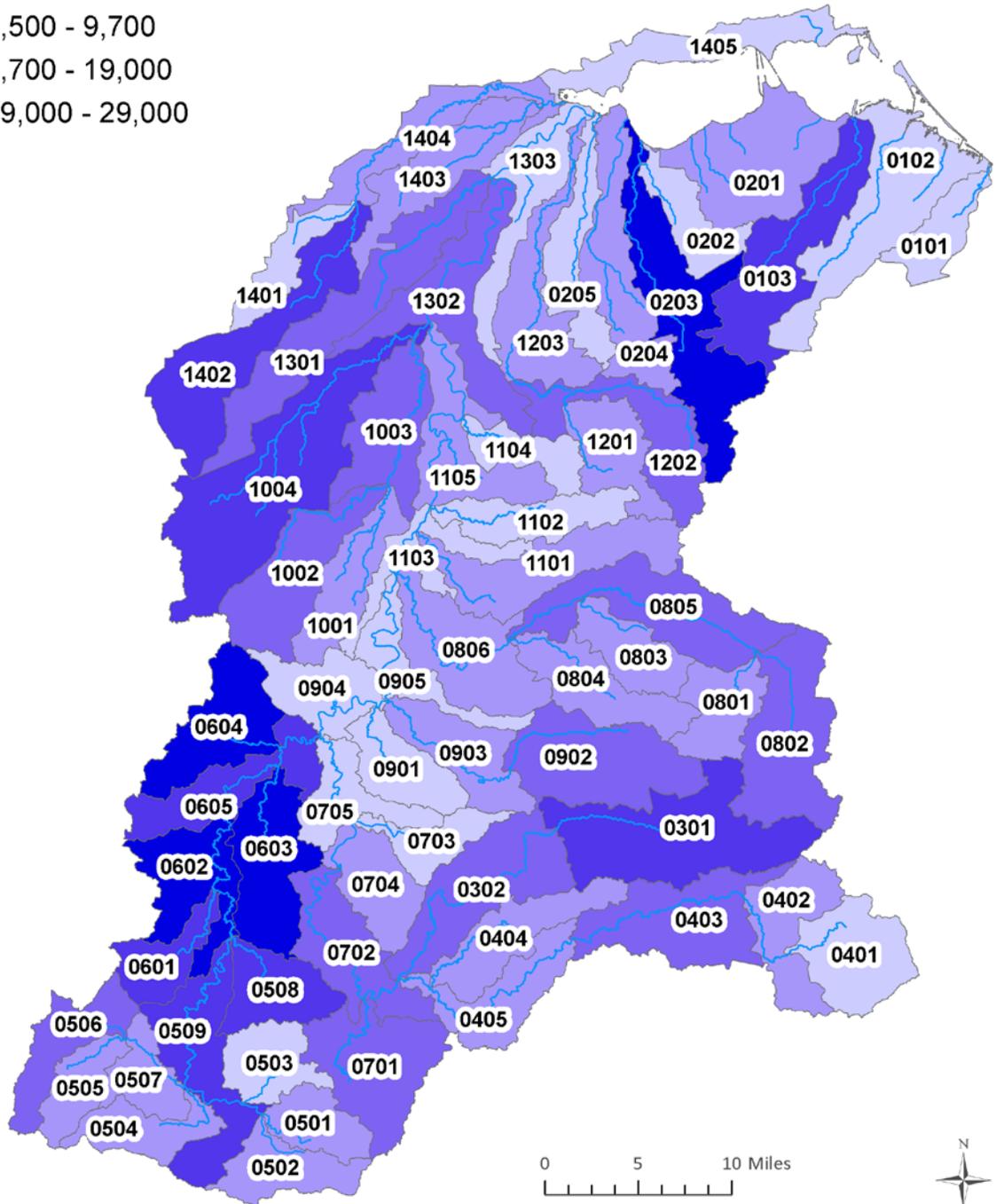
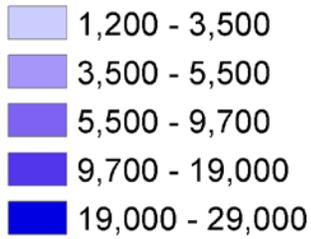


Figure E-5. SWAT model results for soluble reactive phosphorus (SRP) loads by WAU.

### Sandusky basin (04100011)

#### SRP\_Load (lbs/sqmi/yr)

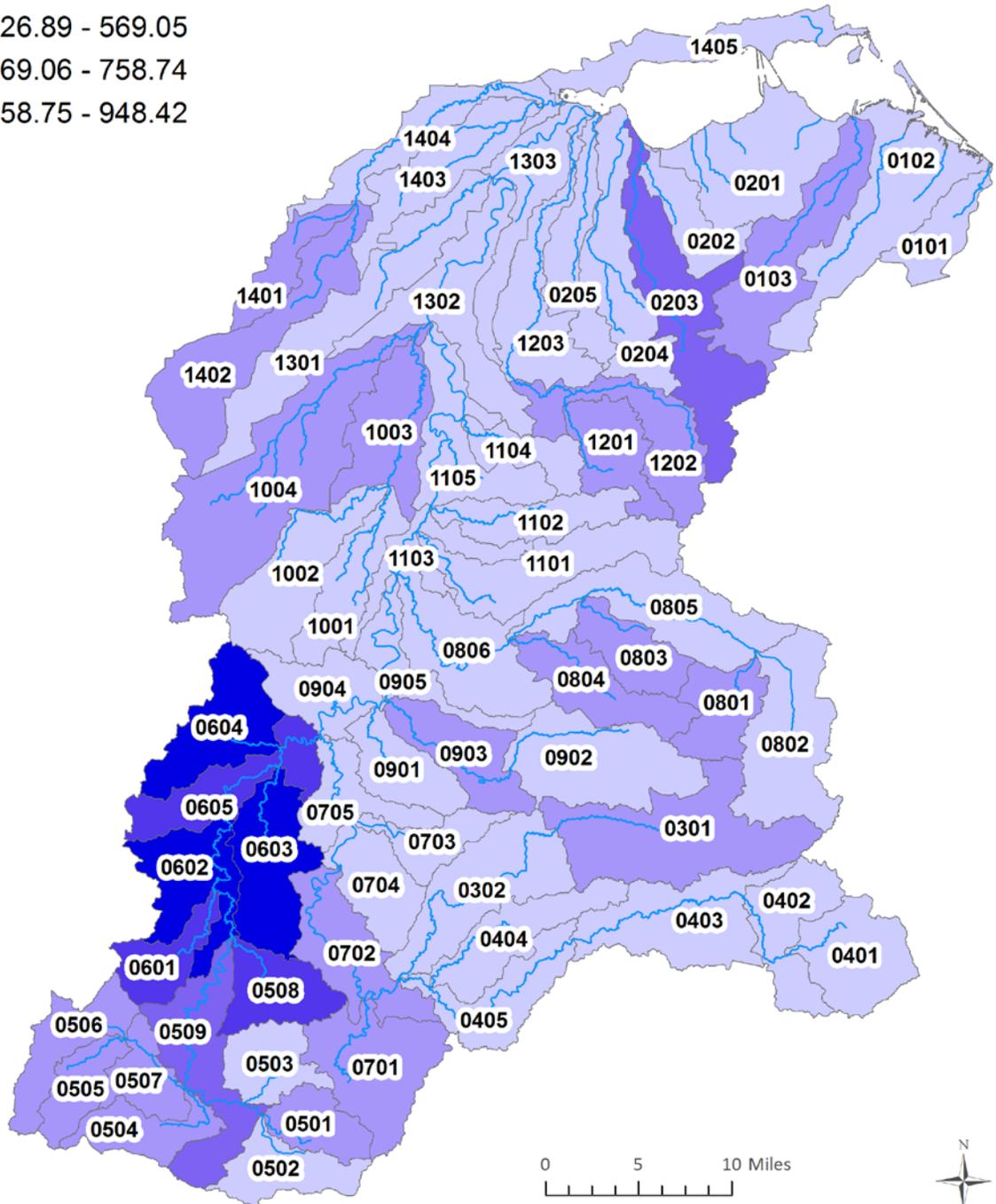
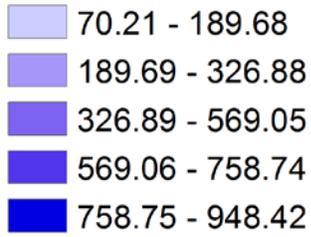
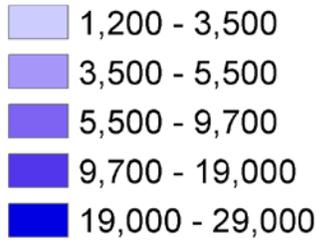


Figure E-6. SWAT model results for unit area SRP loads by WAU.



**Sandusky basin (04100011)**

**SRP\_Load**



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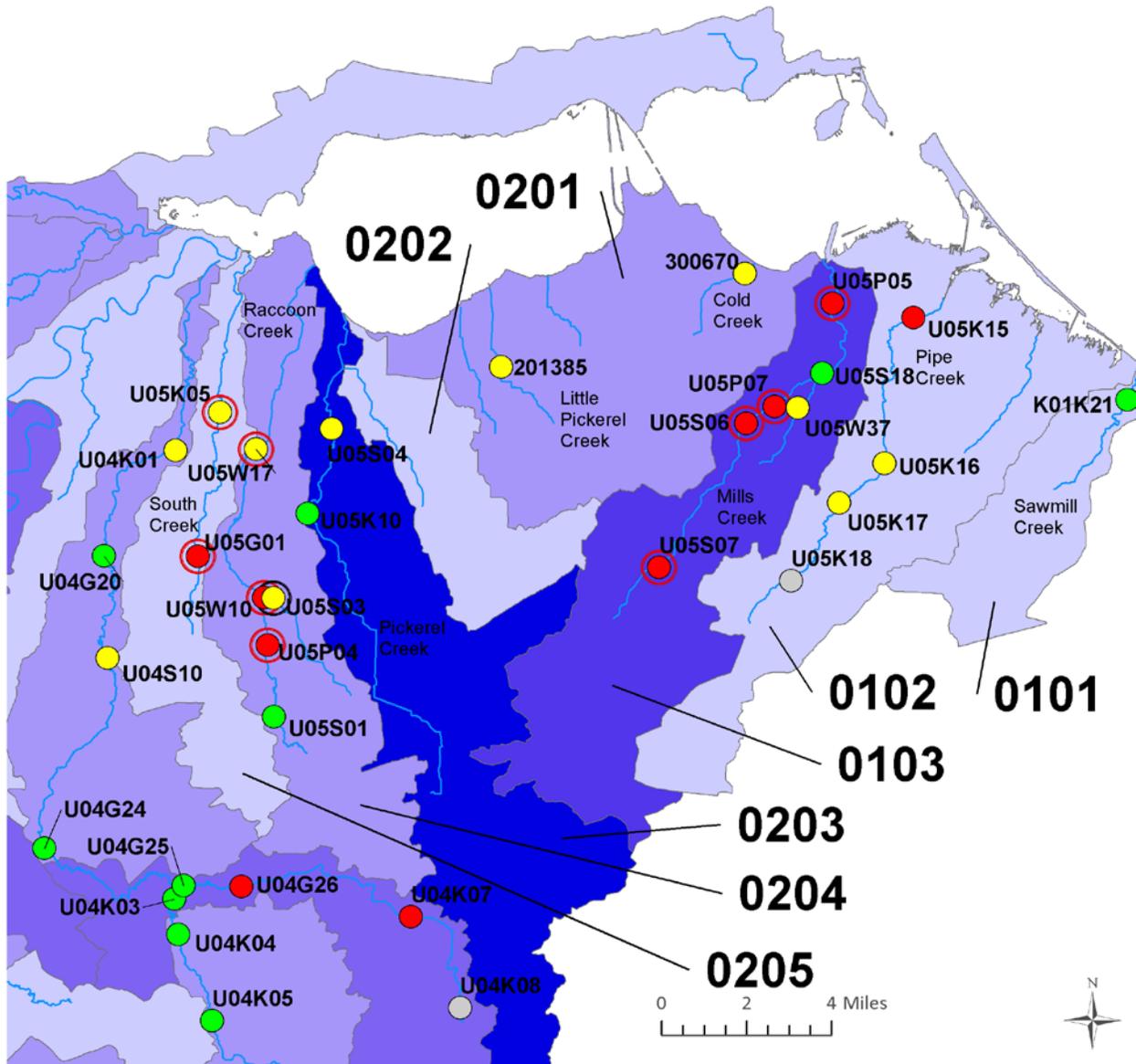
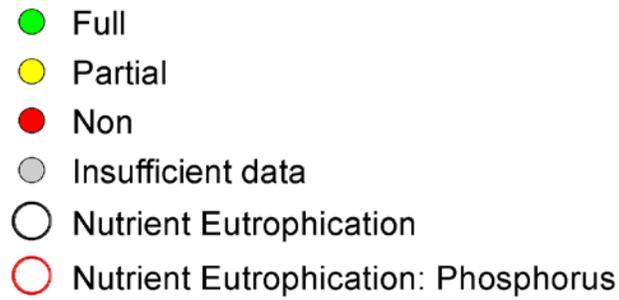


Figure E-8. SWAT model results for SRP loads in the Sandusky Bay tributaries.

### Sandusky basin (04100011)

#### NOX\_Load

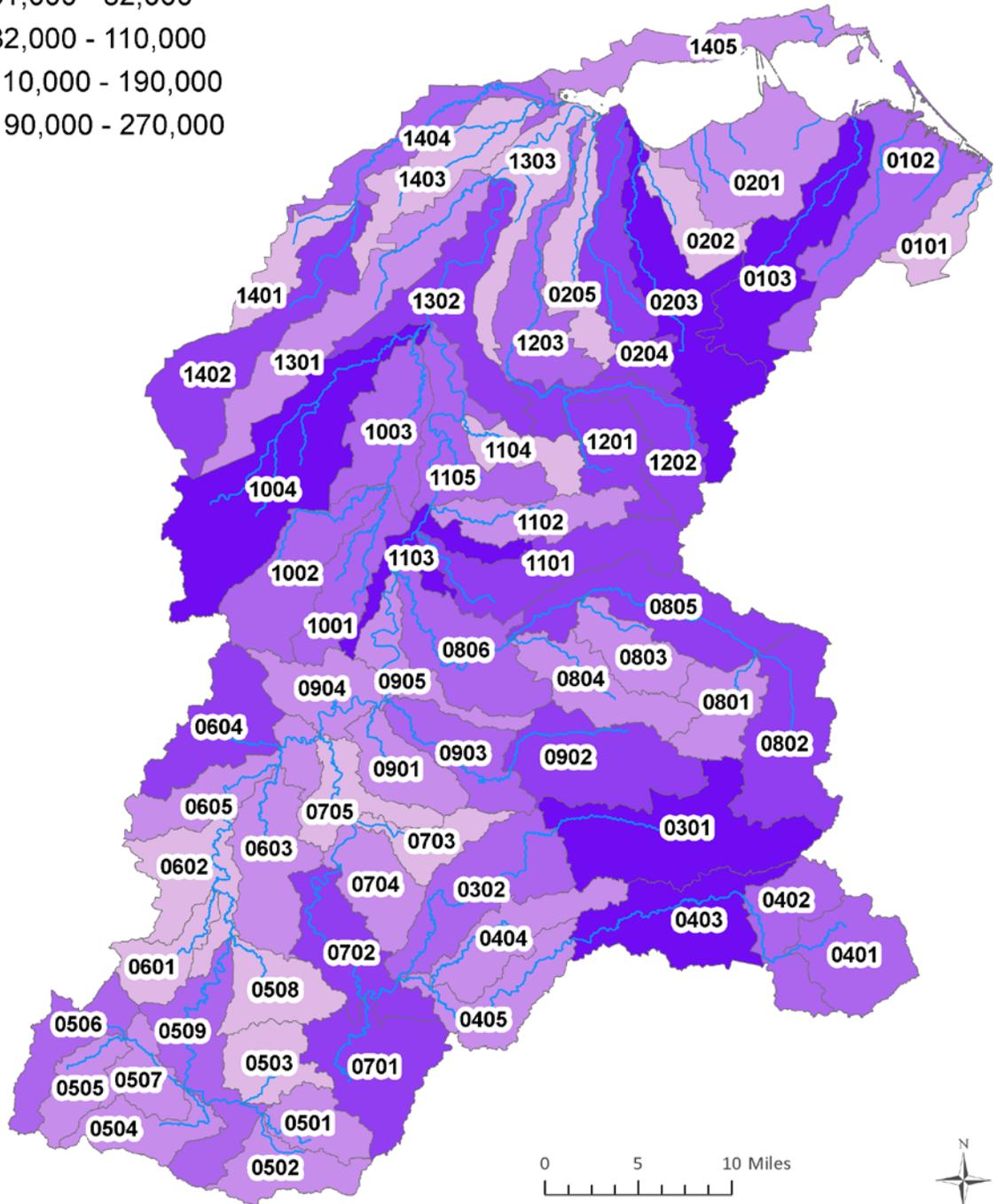
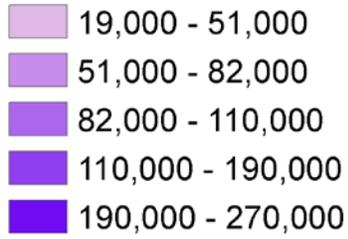


Figure E-9. SWAT model results for nitrate plus nitrite (NO<sub>x</sub>) loads by WAU.

### Sandusky basin (04100011)

#### NO<sub>x</sub> Load (lbs/sqmi/yr)

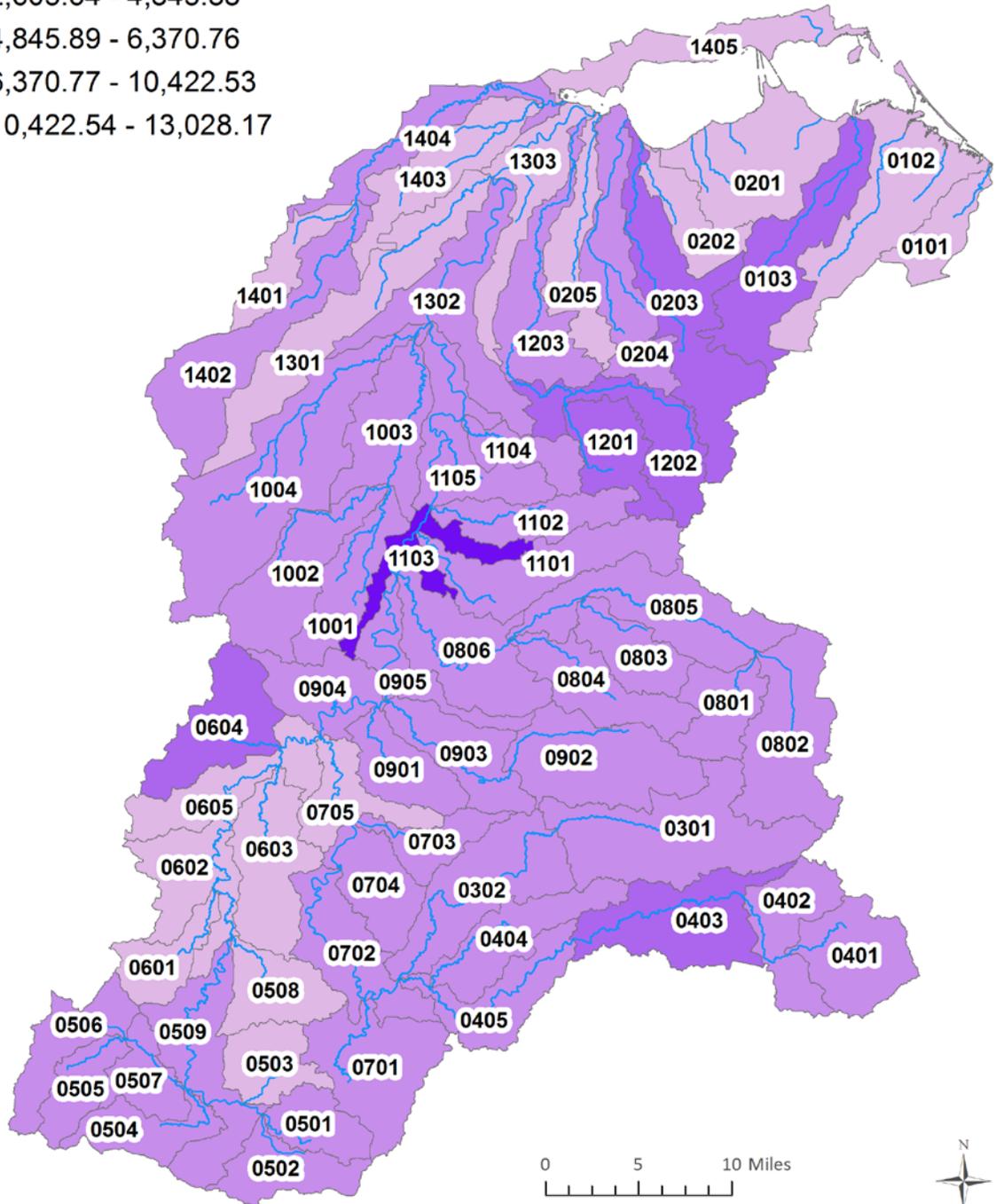


Figure E-10. SWAT model results for NO<sub>x</sub> loads by WAU.

### Sandusky basin (04100011)

#### Percentage of NO<sub>x</sub> Load from Agriculture

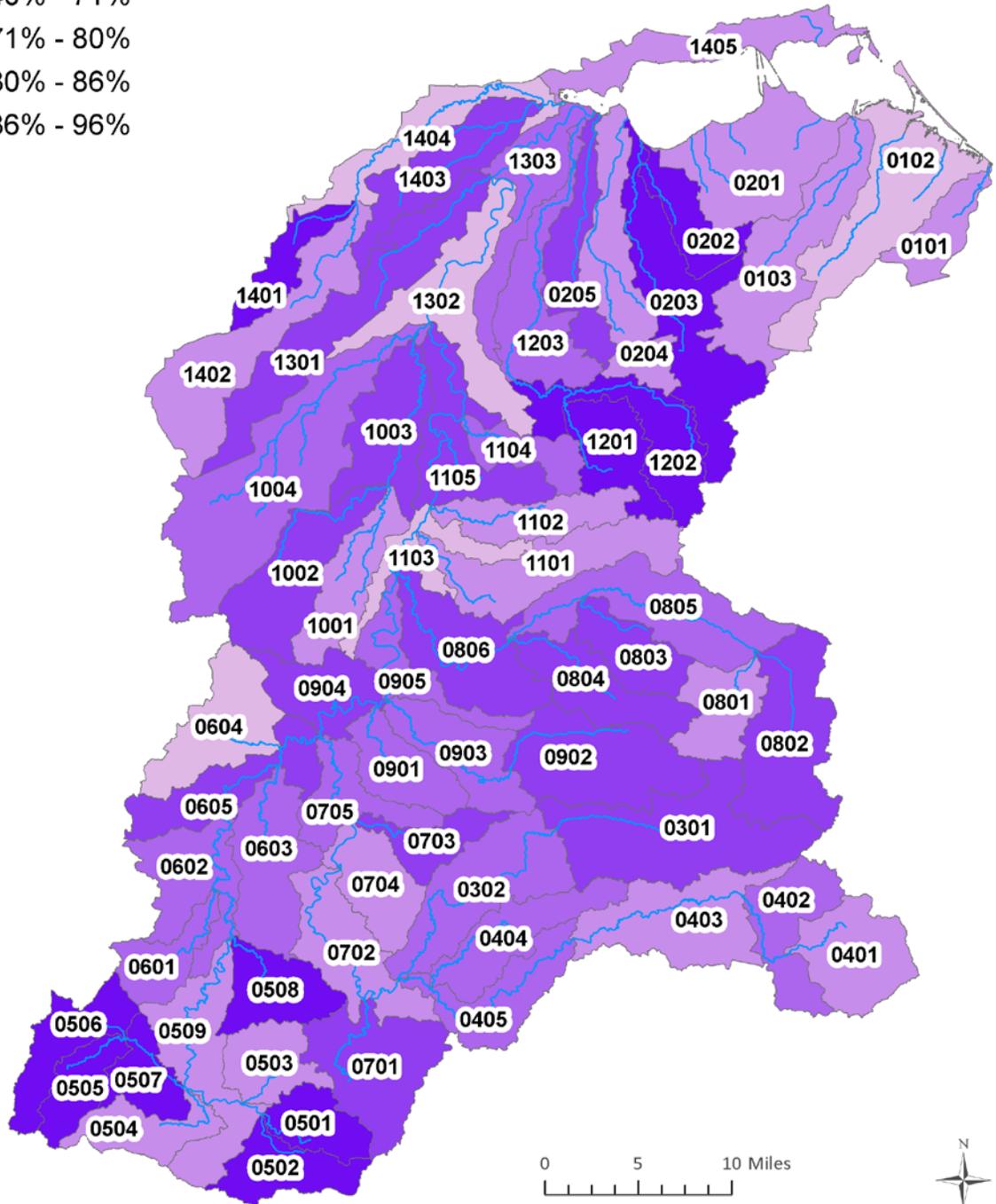
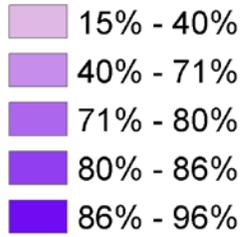
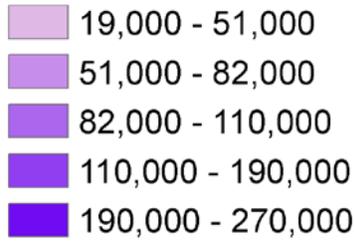


Figure E-11. SWAT model results for NO<sub>x</sub> loads derived from cultivate crops by WAU.

**Sandusky basin (04100011)**

**NOX\_Load**



**Ohio EPA Attainment and Impairment**

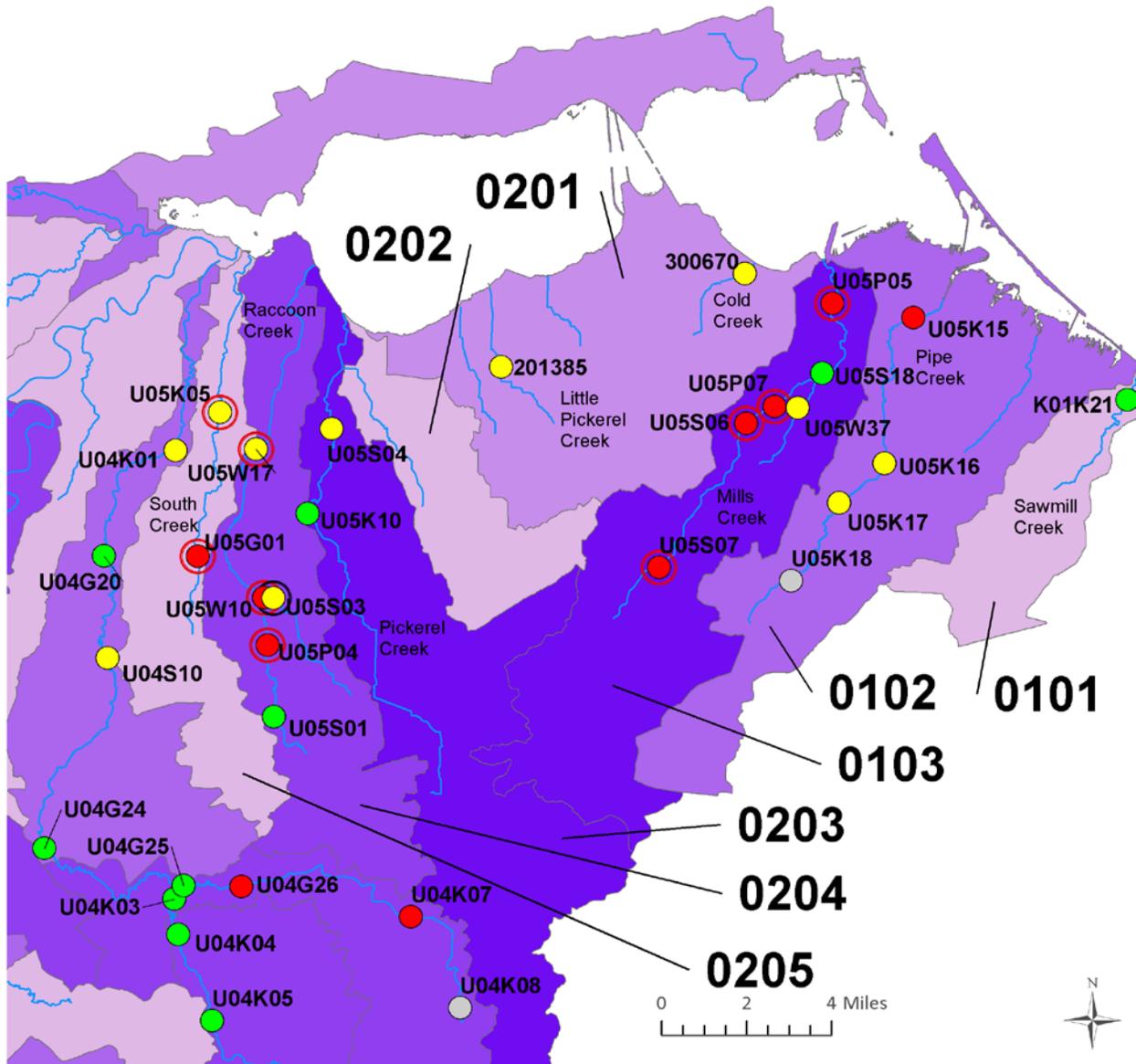
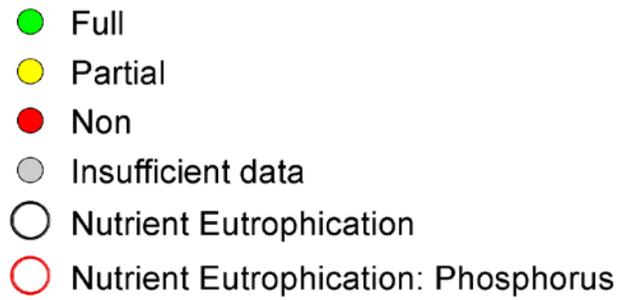


Figure E-12. SWAT model results for NO<sub>x</sub> loads in the Sandusky Bay tributaries

### Sandusky basin (04100011)

#### TKN\_Load

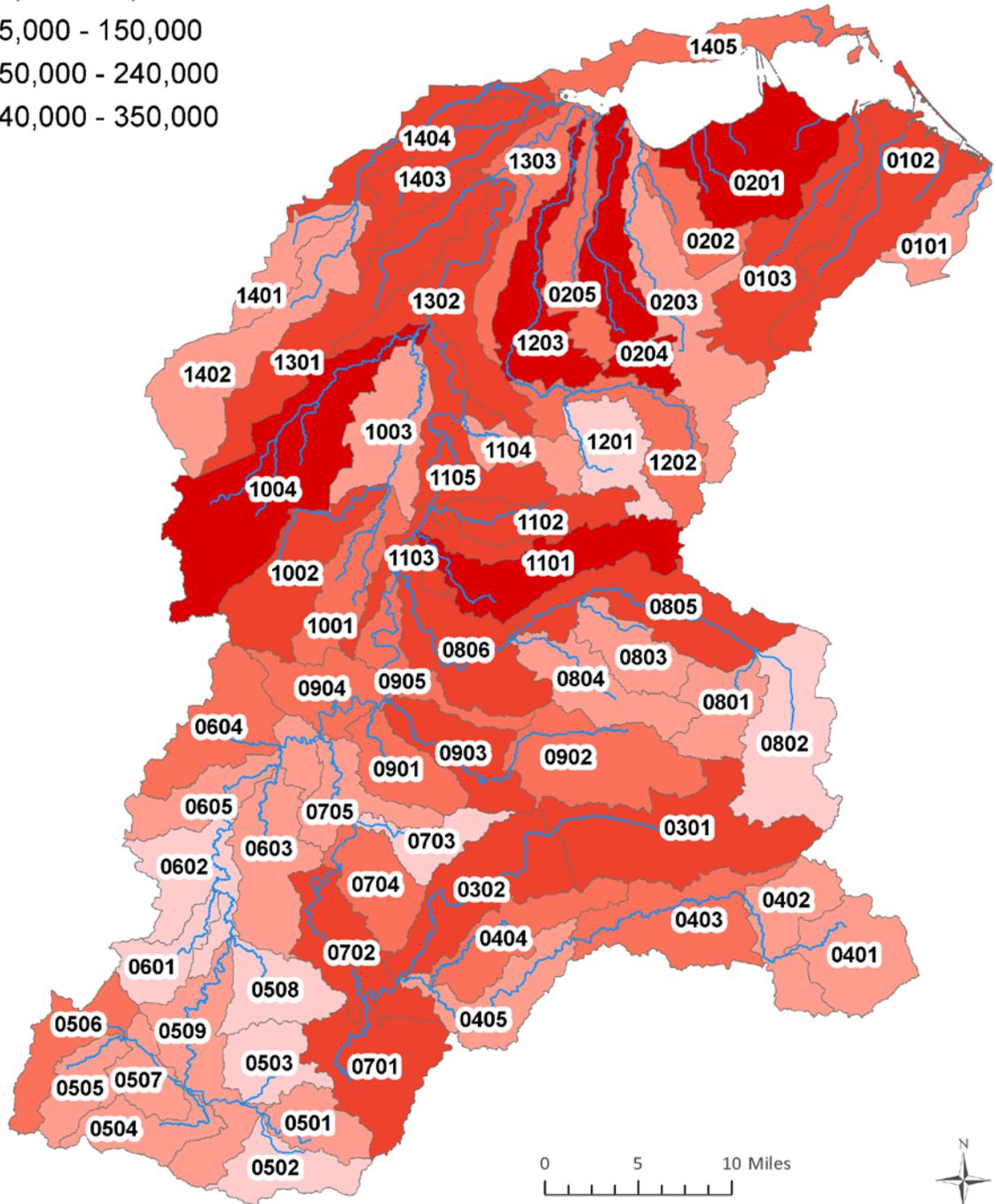
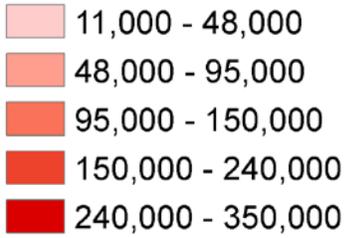


Figure E-13. SWAT model results for total Kjeldahl nitrogen (TKN) loads by WAU.

### Sandusky basin (04100011)

#### TKN\_Load (lbs/sqmi/yr)

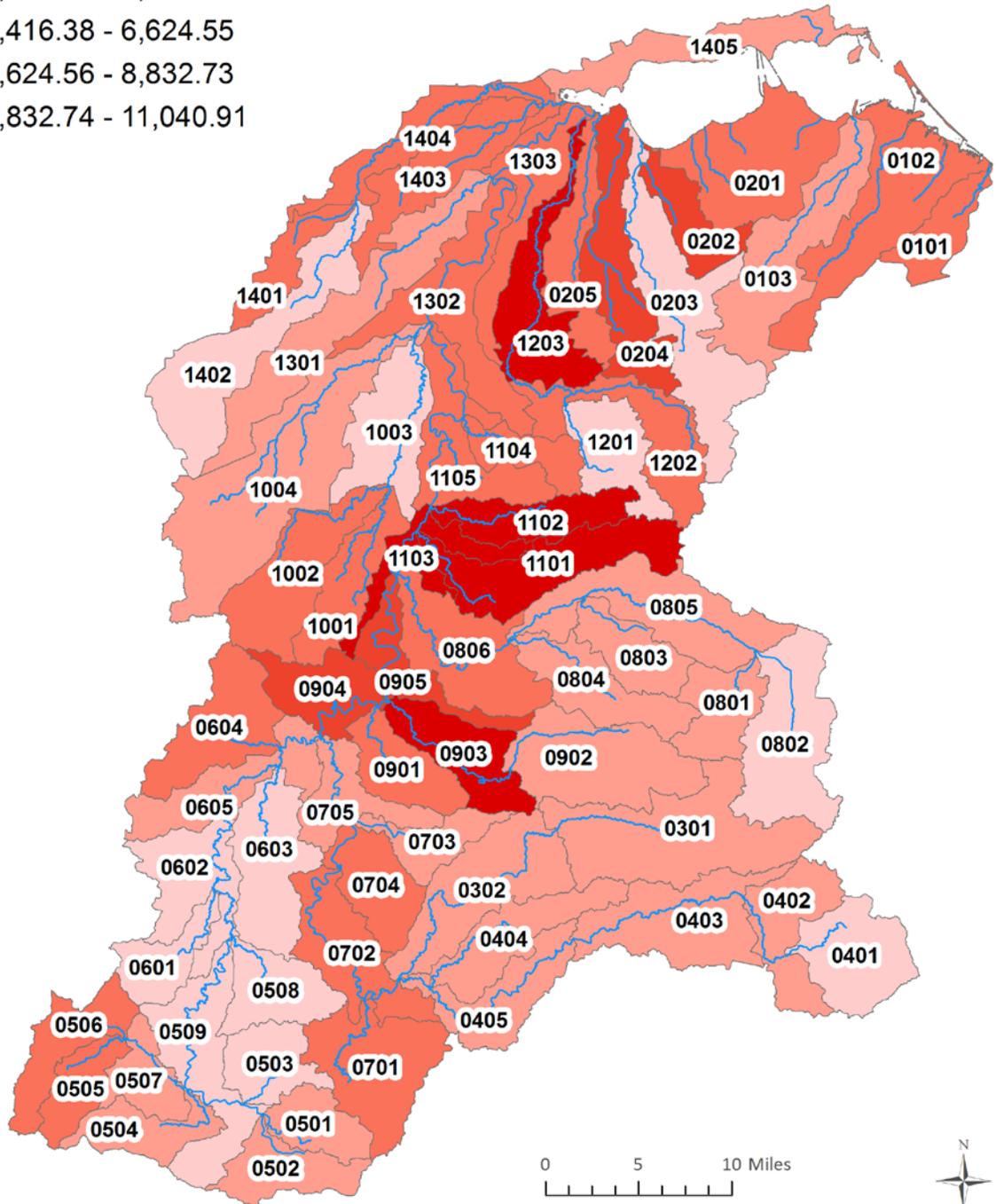
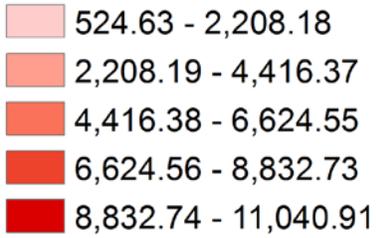


Figure E-14. SWAT model results for unit area TKN loads by WAU.

### Sandusky basin (04100011)

#### Percentage of TKN Load from Agriculture

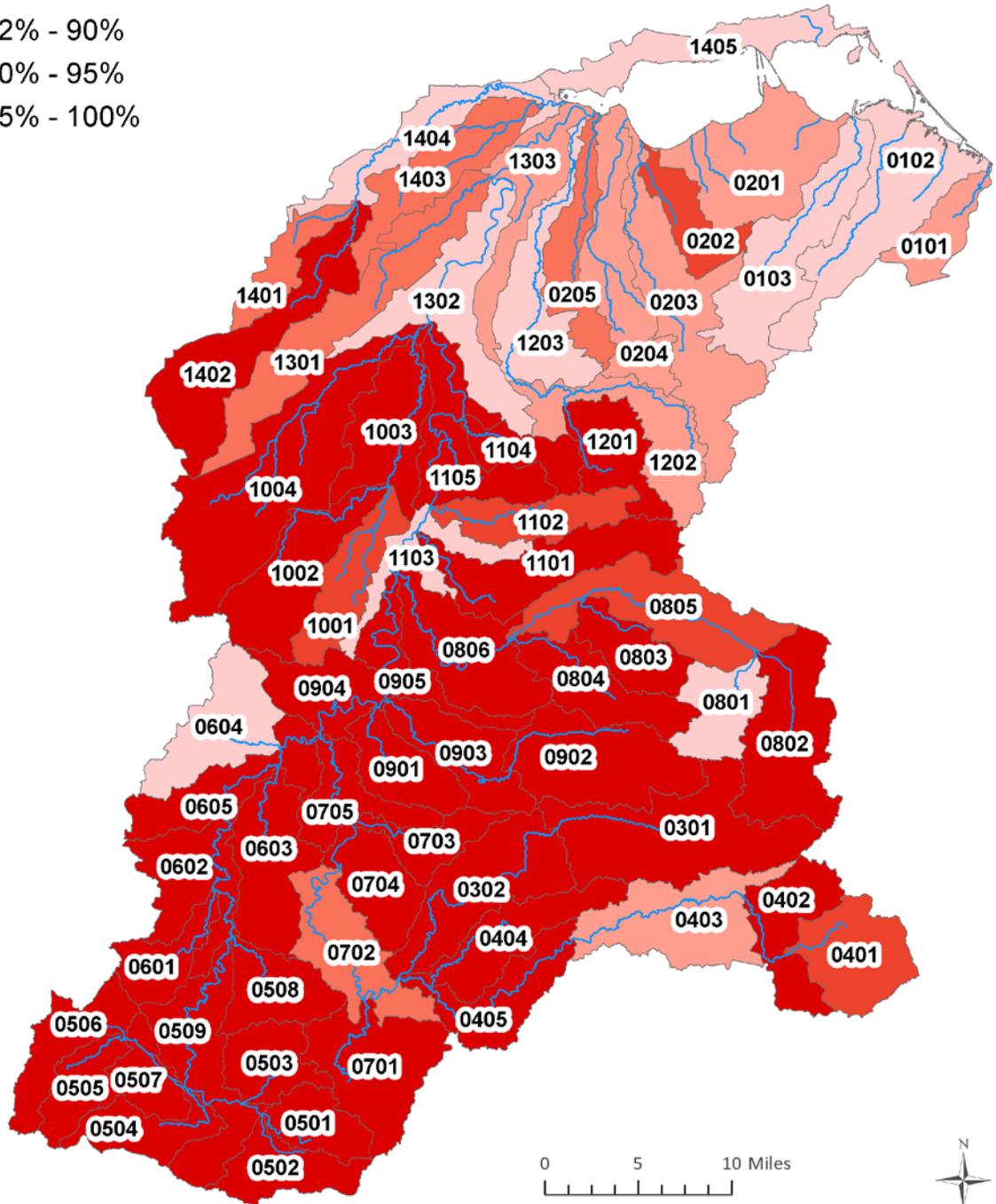
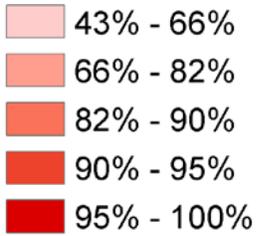


Figure E-15. SWAT model results for TKN loads derived from cultivate crops by WAU.

**Sandusky basin (04100011)**

**TKN\_Load**



**Ohio EPA Attainment and Impairment**

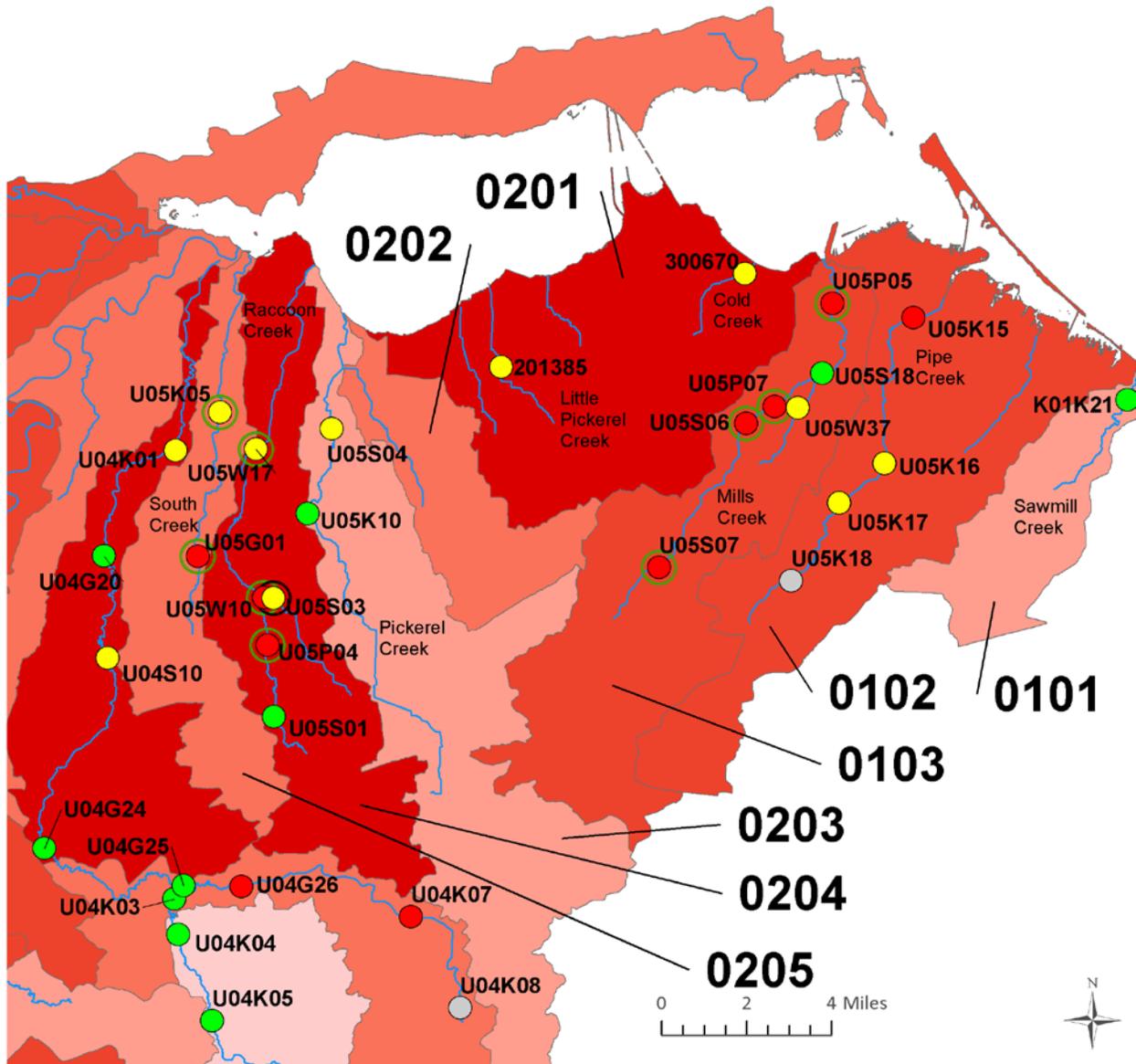
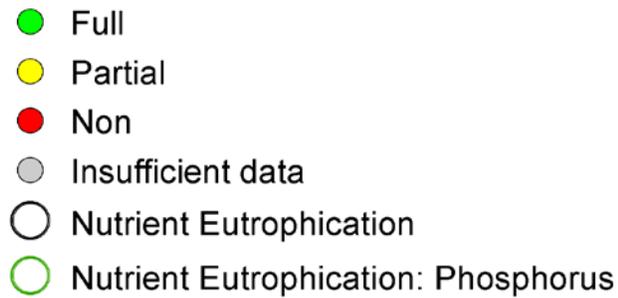


Figure E-16. SWAT model results for TKN loads in the Sandusky Bay tributaries.

### Sandusky basin (04100011)

#### TSS\_Load

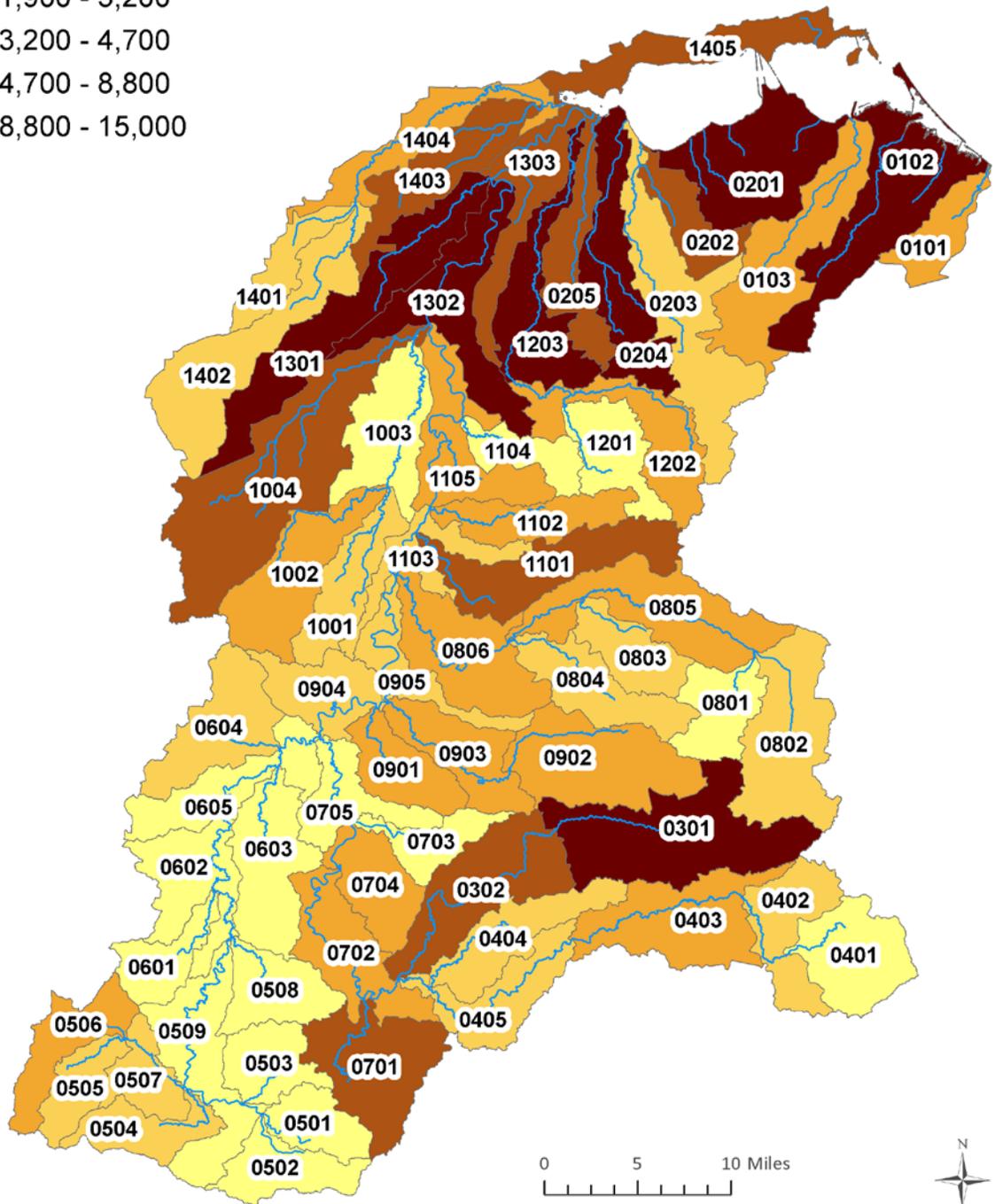
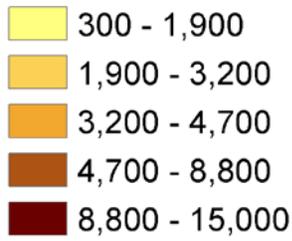


Figure E-17. SWAT model results for total suspended solids (TSS) loads by WAU.

### Sandusky basin (04100011)

#### TSS\_Load (tons/sqmi/yr)

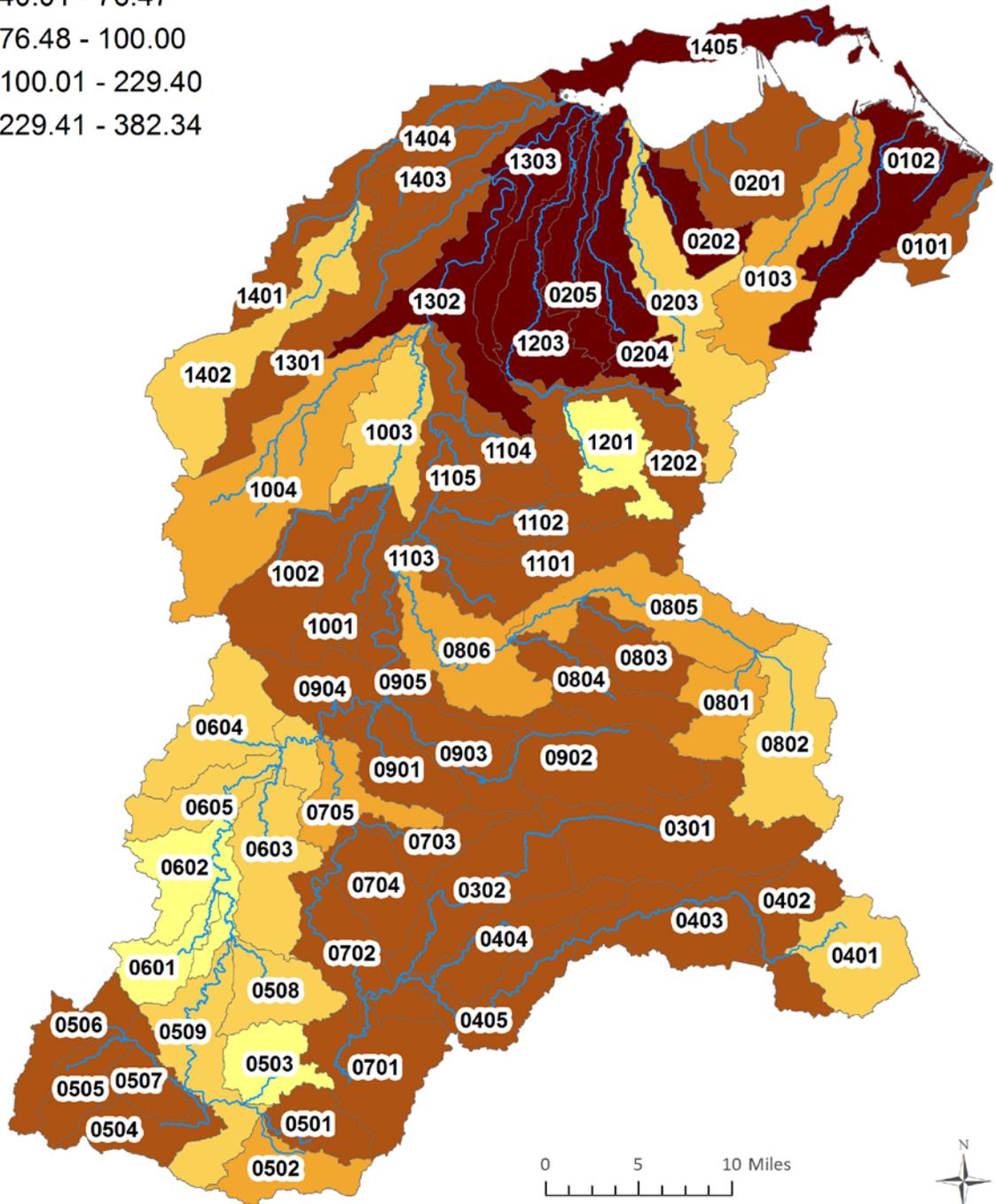
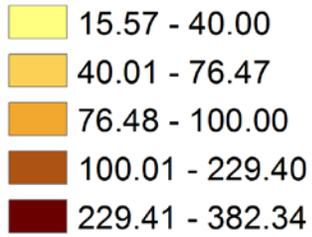


Figure E-18. SWAT model results for unit area TSS loads by WAU.



### Sandusky basin (04100011)

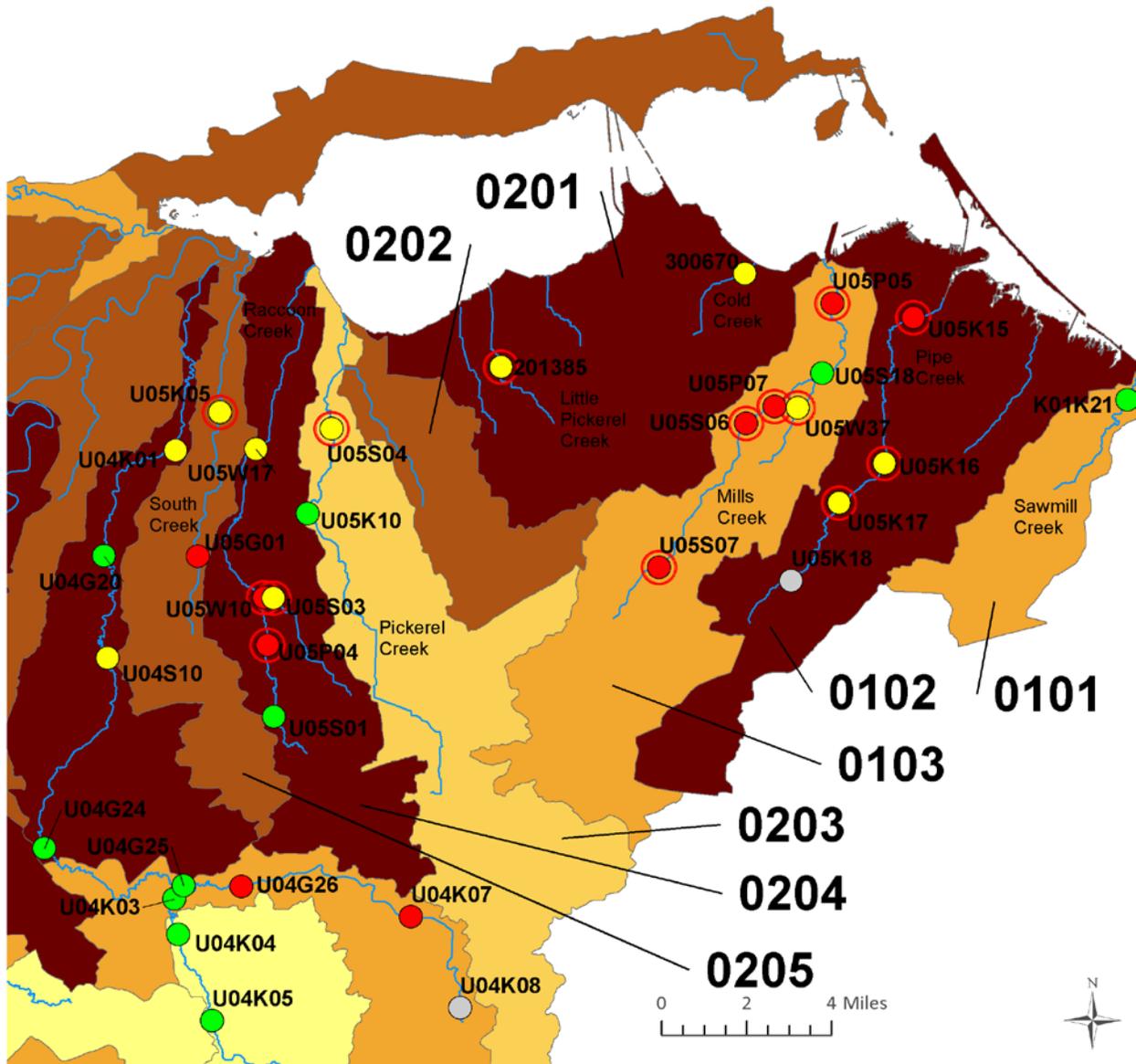
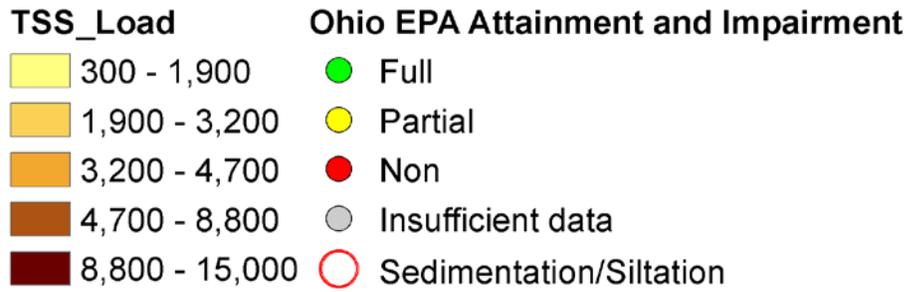


Figure E-20. SWAT model results for TSS loads in the Sandusky Bay tributaries.