

Appendix E.

Pollutant Load Maps of SWAT Model Results

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Abbreviations and Acronyms

NO _x	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

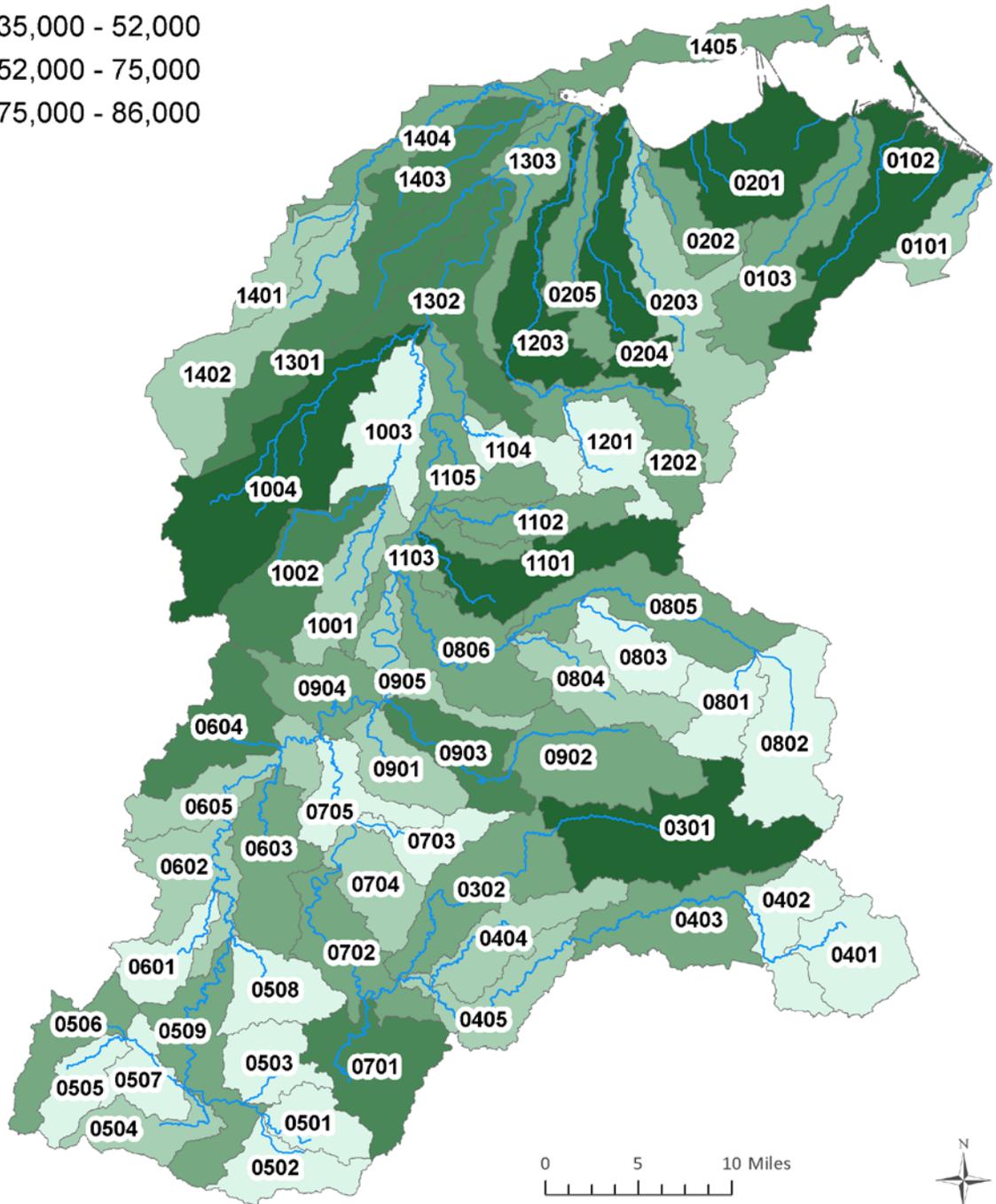
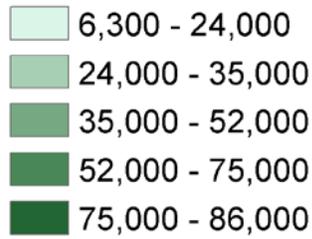


Figure E-1. SWAT model results for total phosphorus (TP) loads by WAU.

Sandusky basin (04100011)

Percentage of TP Load from Agriculture

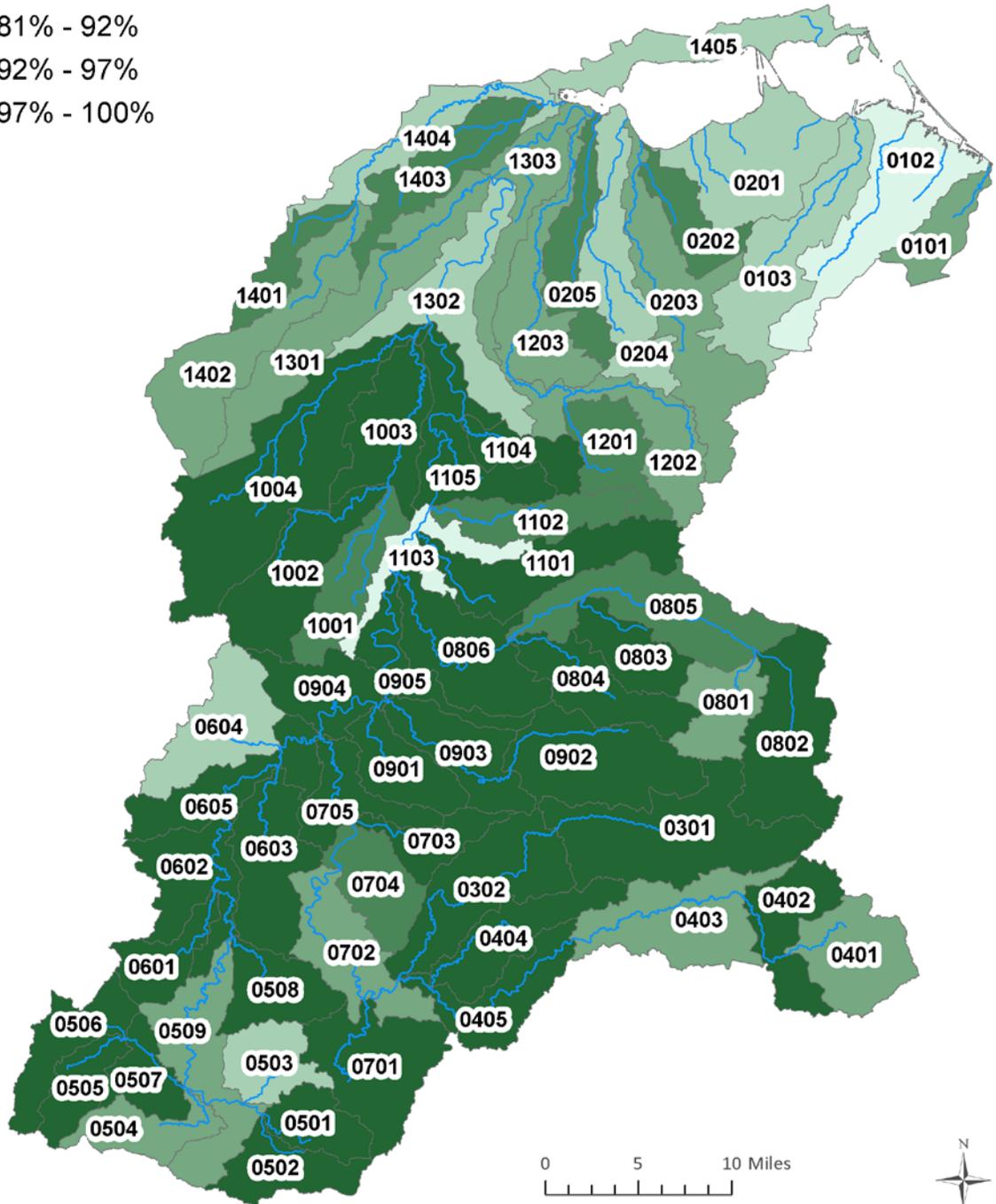
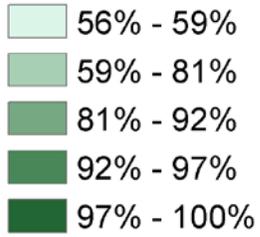
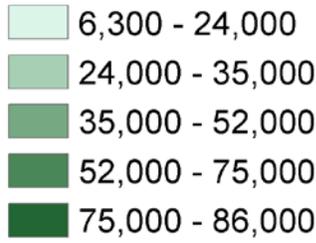


Figure E-2. SWAT model results for TP loads derived from cultivate crops by WAU.

Sandusky basin (04100011)

TP_Load



Ohio EPA Attainment and Impairment

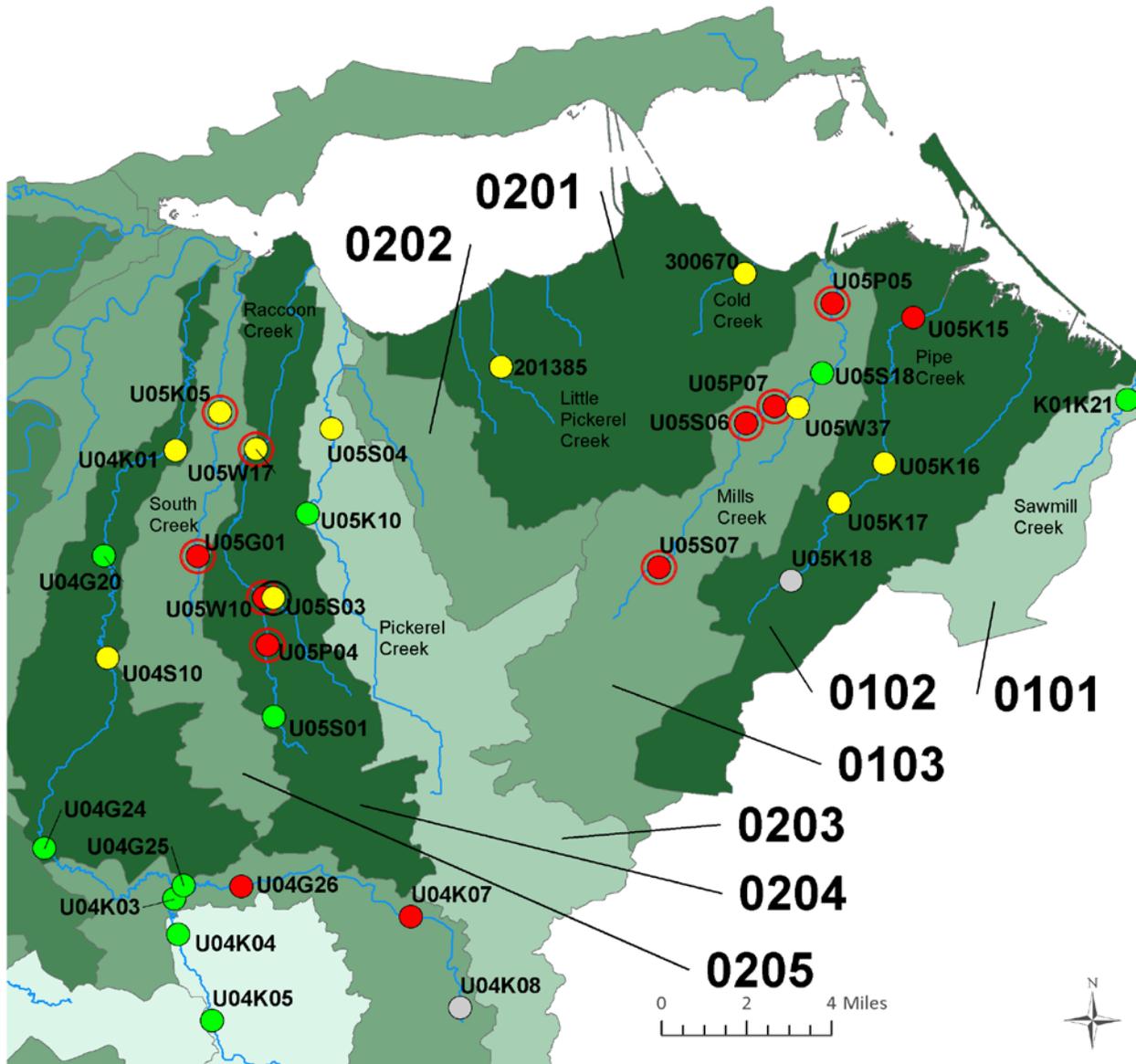
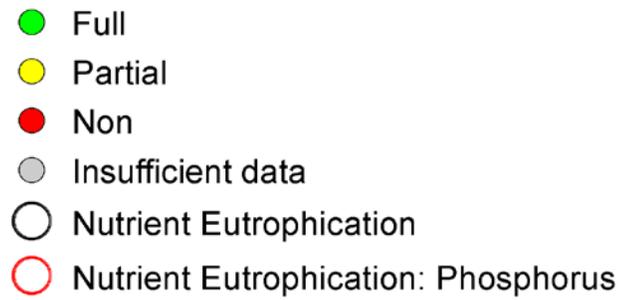


Figure E-3. SWAT model results for TP loads in the Sandusky Bay tributaries.

Sandusky basin (04100011)

SRP_Load

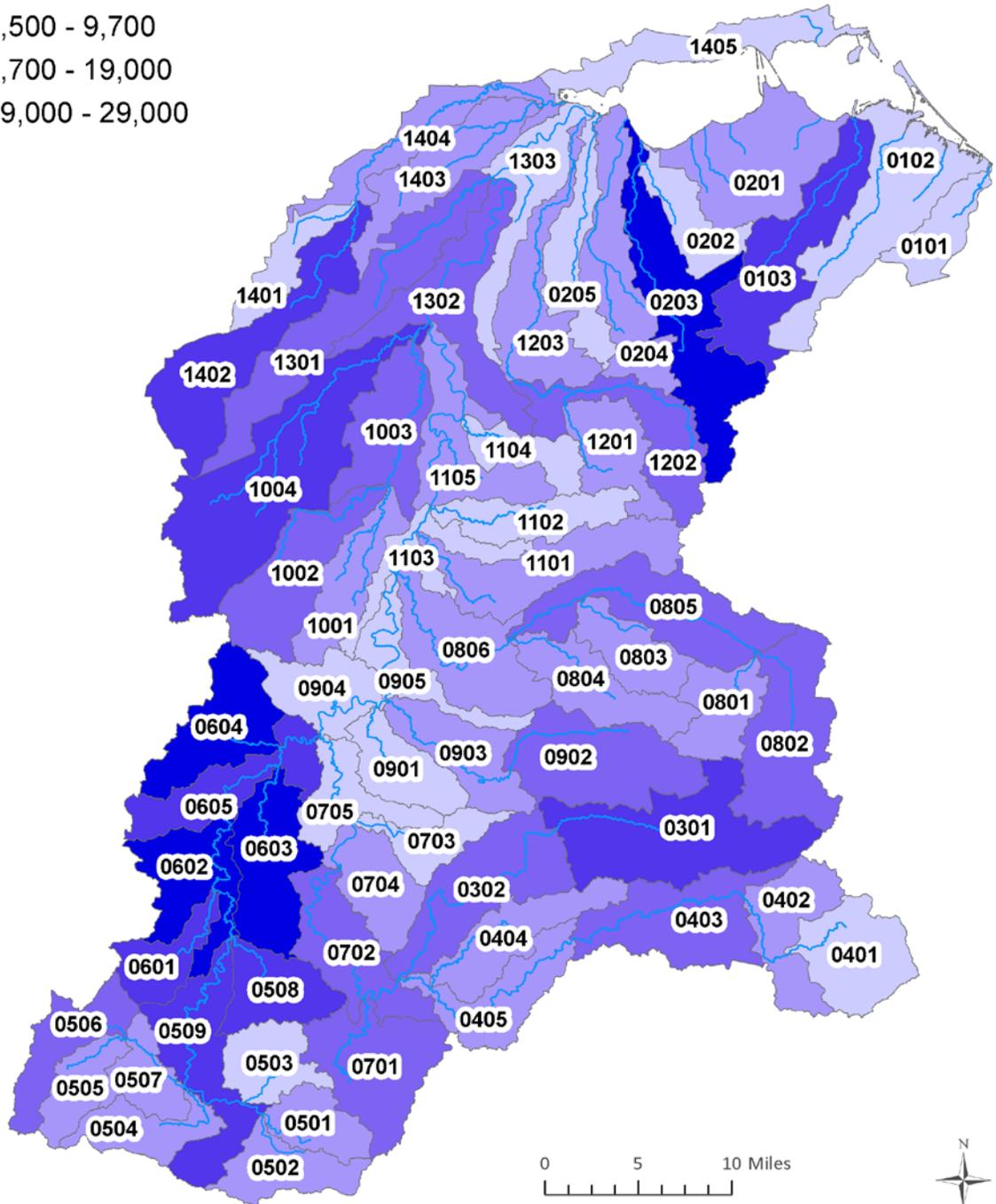
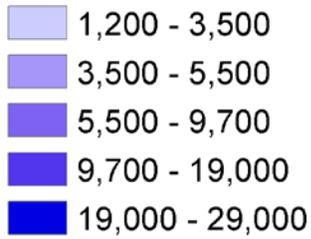


Figure E-4. SWAT model results for soluble reactive phosphorus (SRP) loads by WAU.

Sandusky basin (04100011)

Percentage of SRP Load from Agriculture

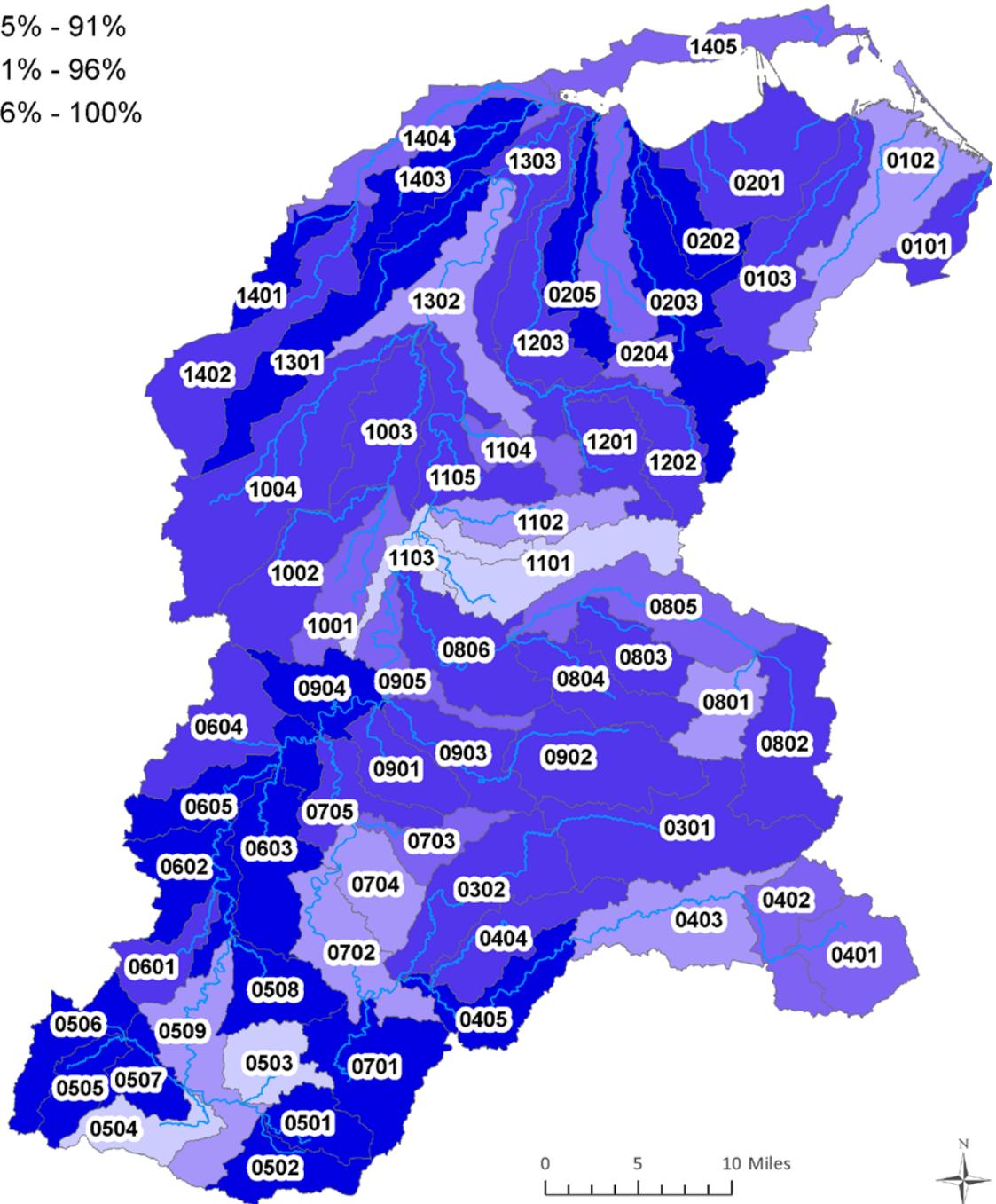
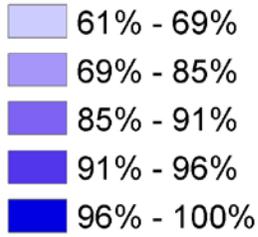
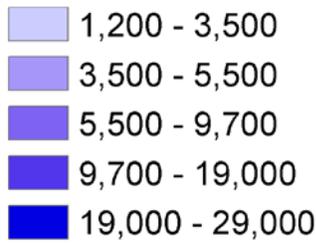


Figure E-5. SWAT model results for SRP derived from cultivate crops by WU.

Sandusky basin (04100011)

SRP_Load



Ohio EPA Attainment and Impairment

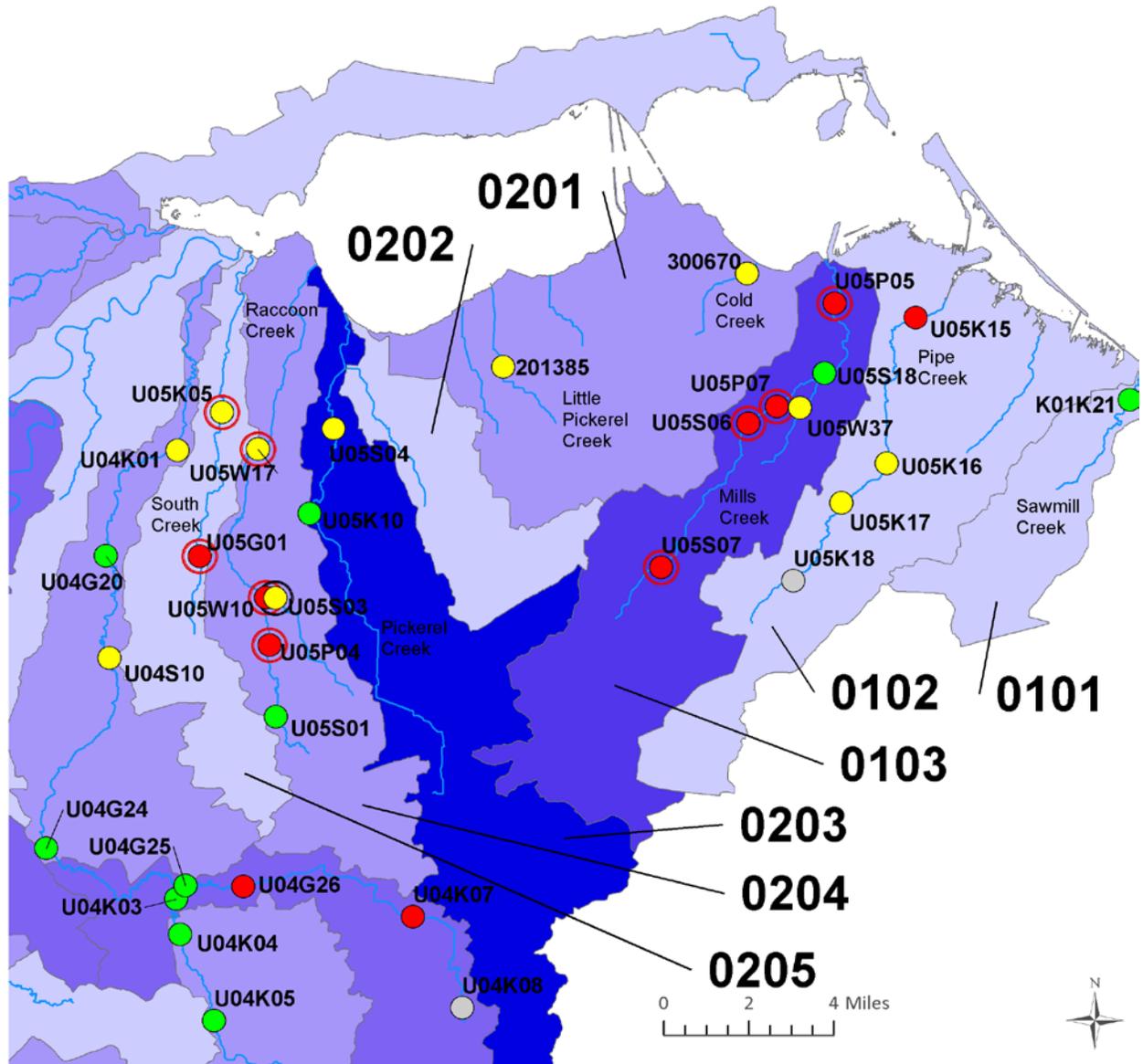
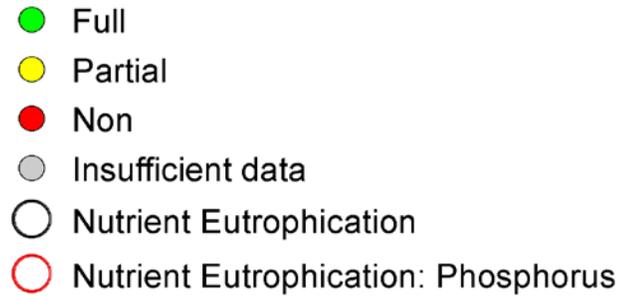


Figure E-6. SWAT model results for SRP loads in the Sandusky Bay tributaries.

Sandusky basin (04100011)

NOX_Load

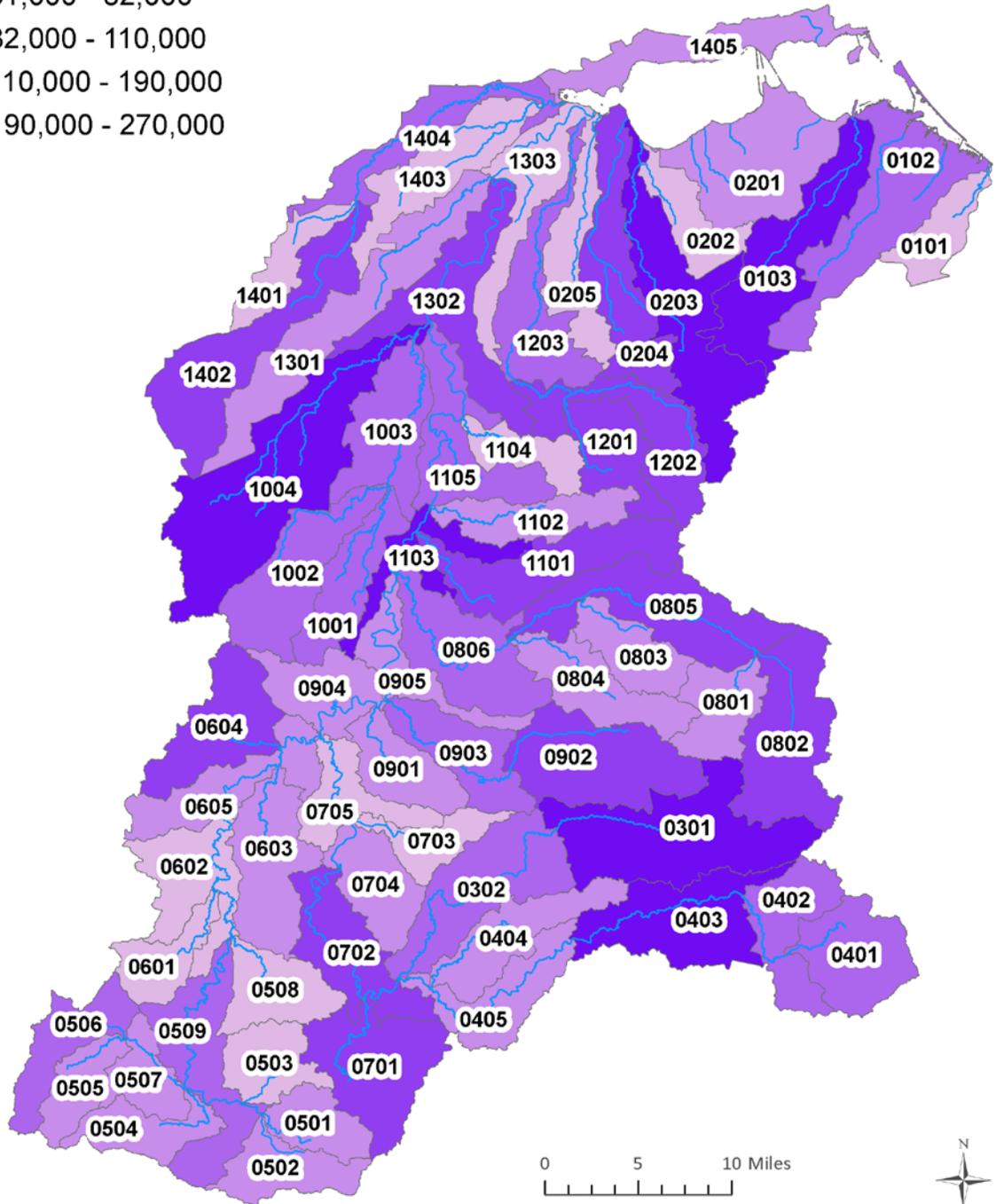
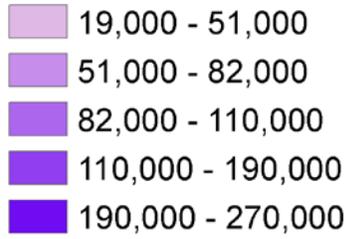


Figure E-7. SWAT model results for nitrate plus nitrite (NO_x) loads by WAU.

Sandusky basin (04100011)

Percentage of NO_x Load from Agriculture

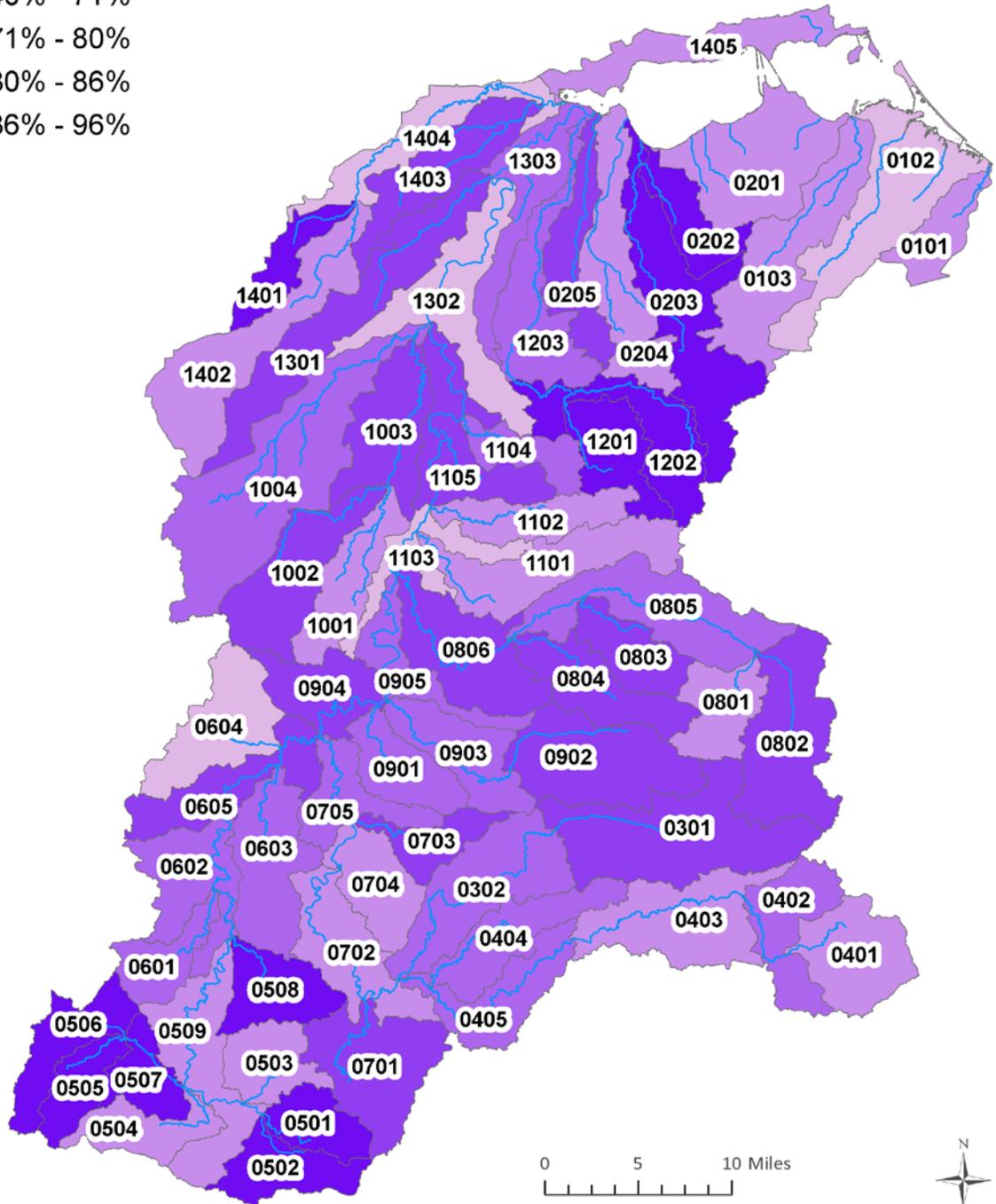
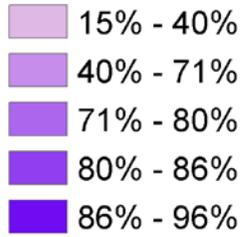


Figure E-8. SWAT model results for NO_x loads derived from cultivate crops by WAU.

Sandusky basin (04100011)

NO_x_Load

- 19,000 - 51,000
- 51,000 - 82,000
- 82,000 - 110,000
- 110,000 - 190,000
- 190,000 - 270,000

Ohio EPA Attainment and Impairment

- Full
- Partial
- Non
- Insufficient data
- Nutrient Eutrophication
- Nutrient Eutrophication: Phosphorus

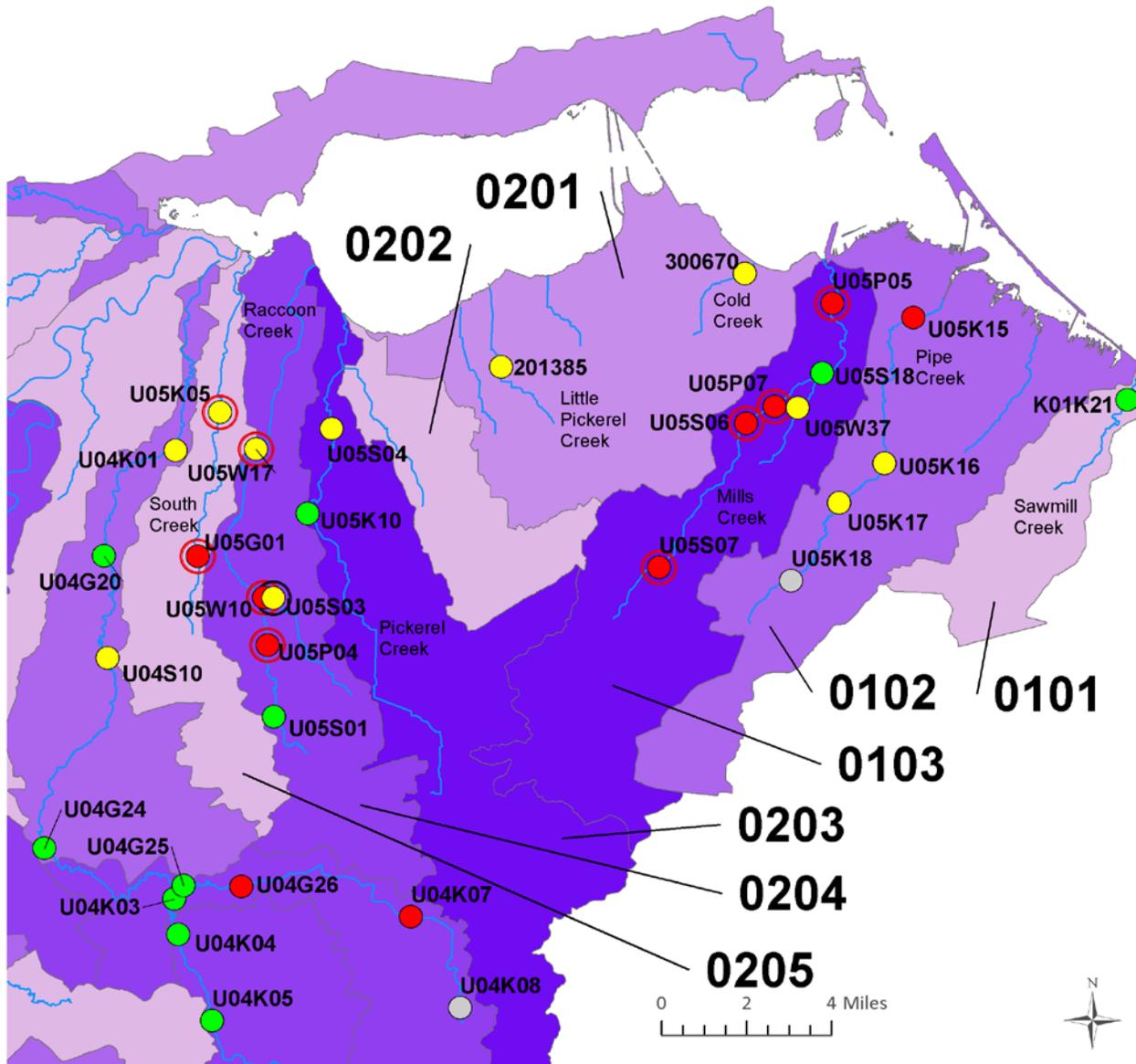


Figure E-9. SWAT model results for NO_x loads in the Sandusky Bay tributaries

Sandusky basin (04100011)

Percentage of TKN Load from Agriculture

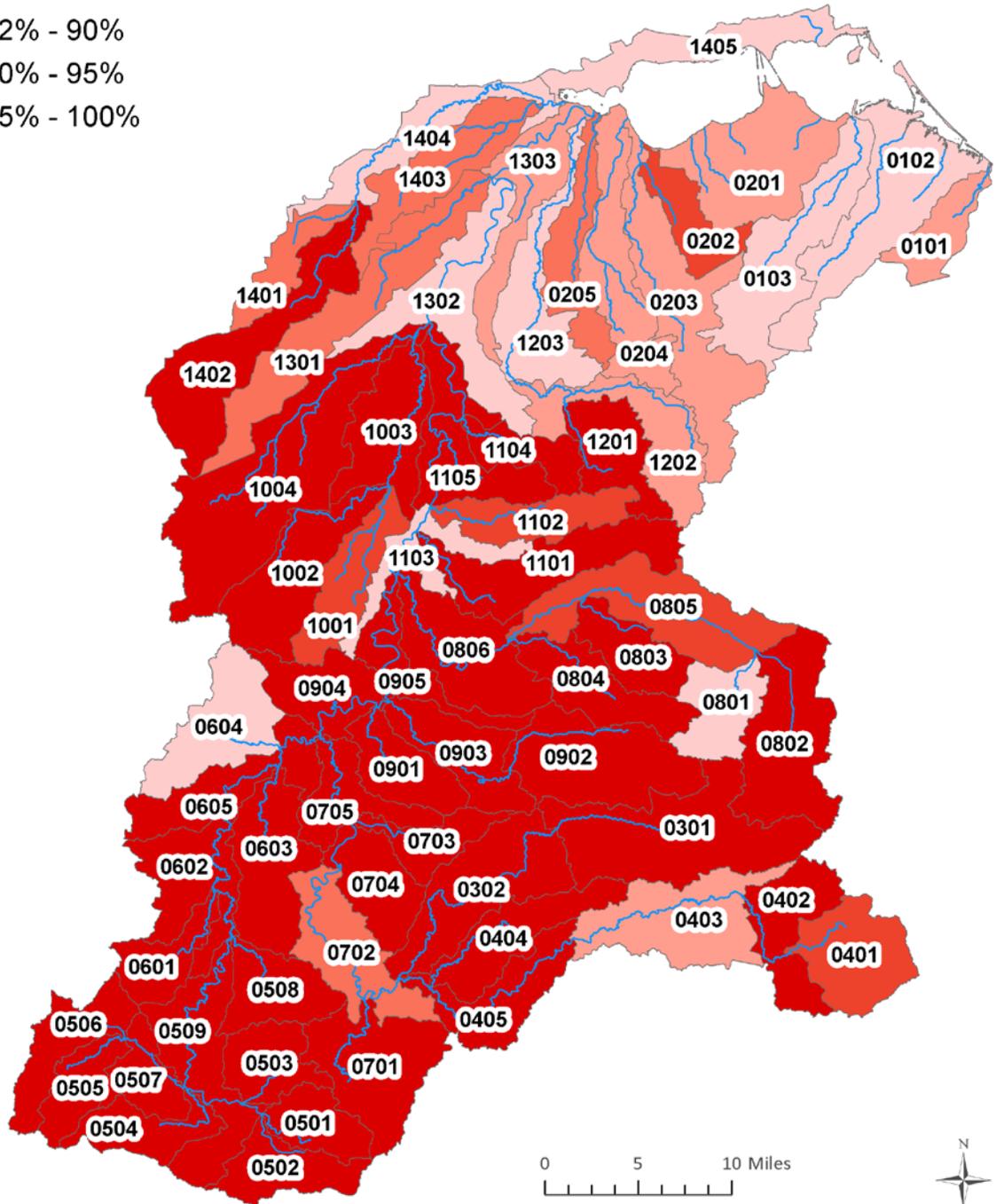
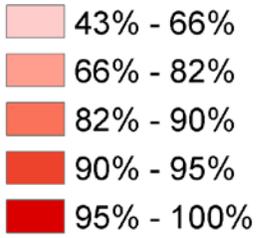


Figure E-11. SWAT model results for TKN loads derived from cultivate crops by WAU.

Sandusky basin (04100011)

TKN_Load



Ohio EPA Attainment and Impairment

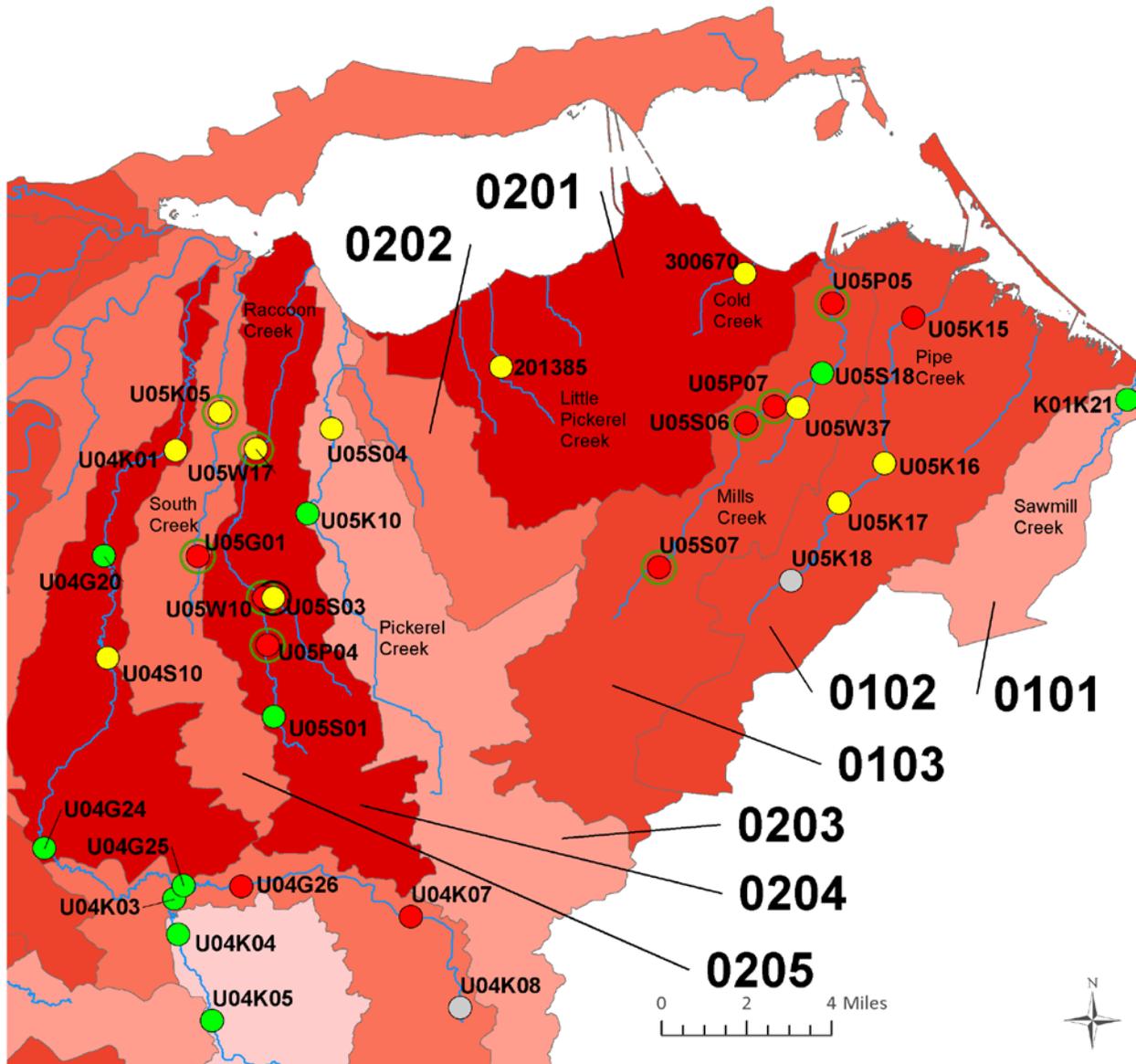
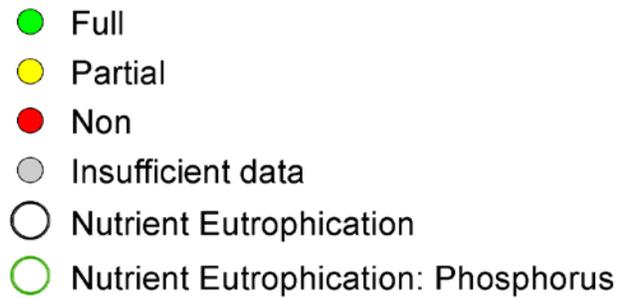


Figure E-12. SWAT model results for TKN loads in the Sandusky Bay tributaries.

Sandusky basin (04100011)

TSS_Load

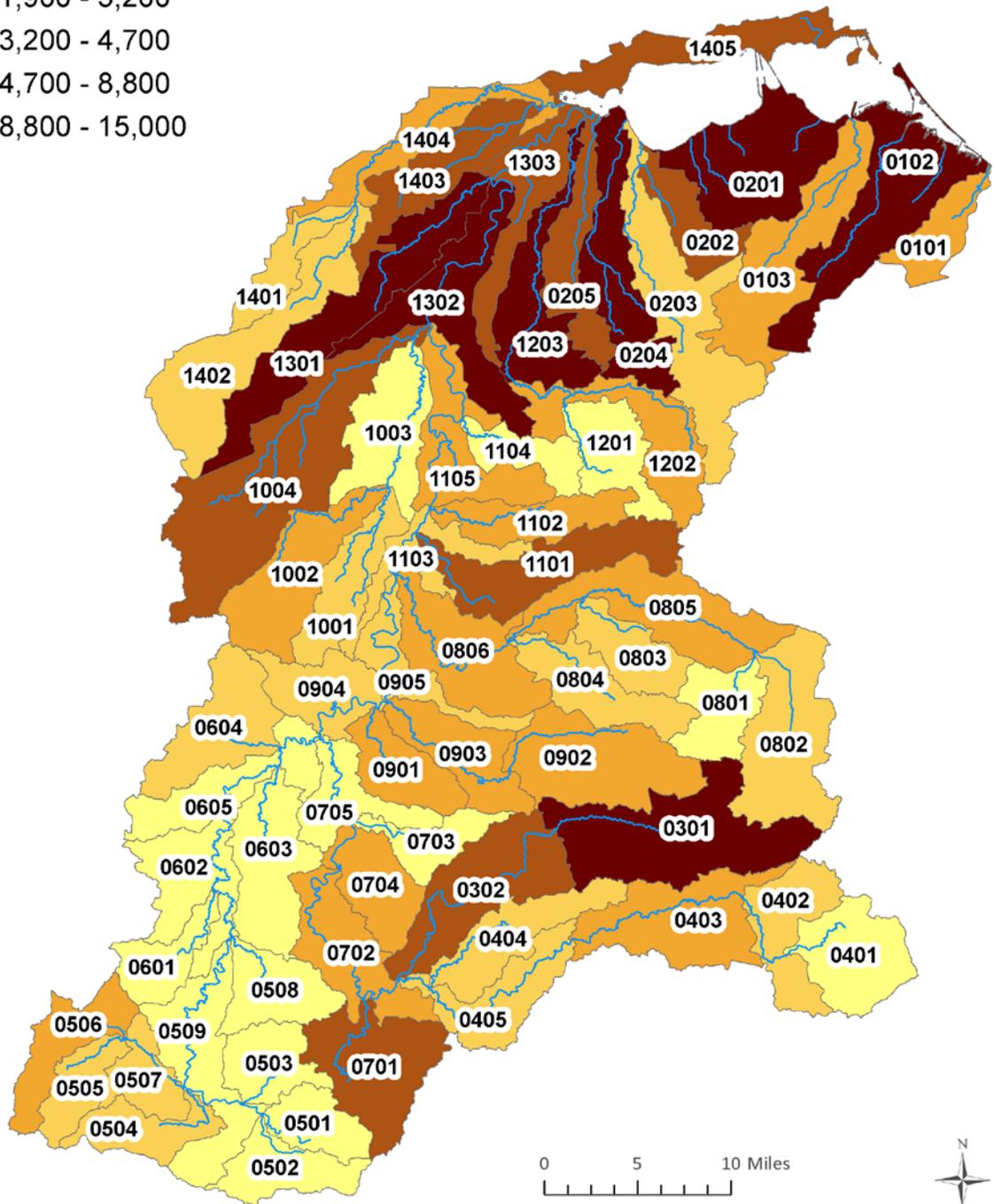
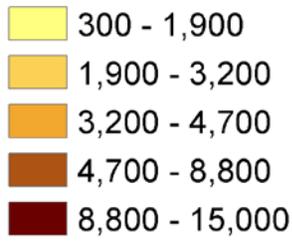


Figure E-13. SWAT model results for total suspended solids (TSS) loads by WAU.

Sandusky basin (04100011)

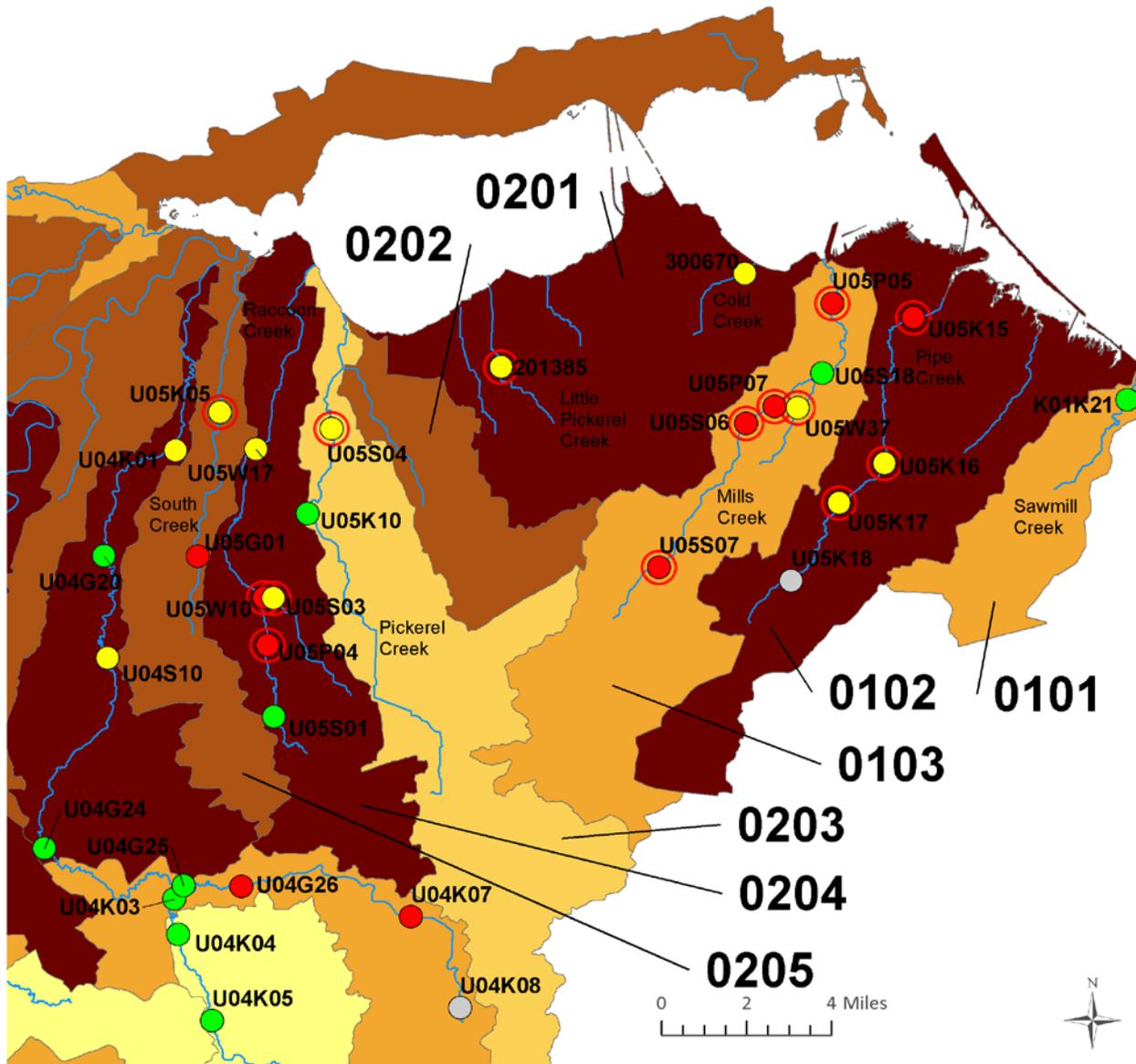
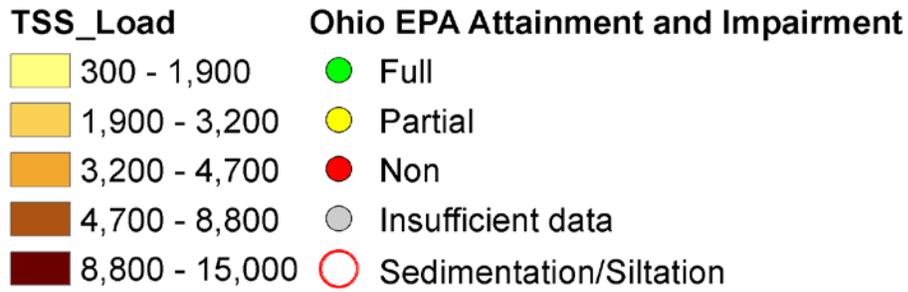


Figure E-15. SWAT model results for TSS loads in the Sandusky Bay tributaries.