# APPENDIX A – MAPS AND TABLES

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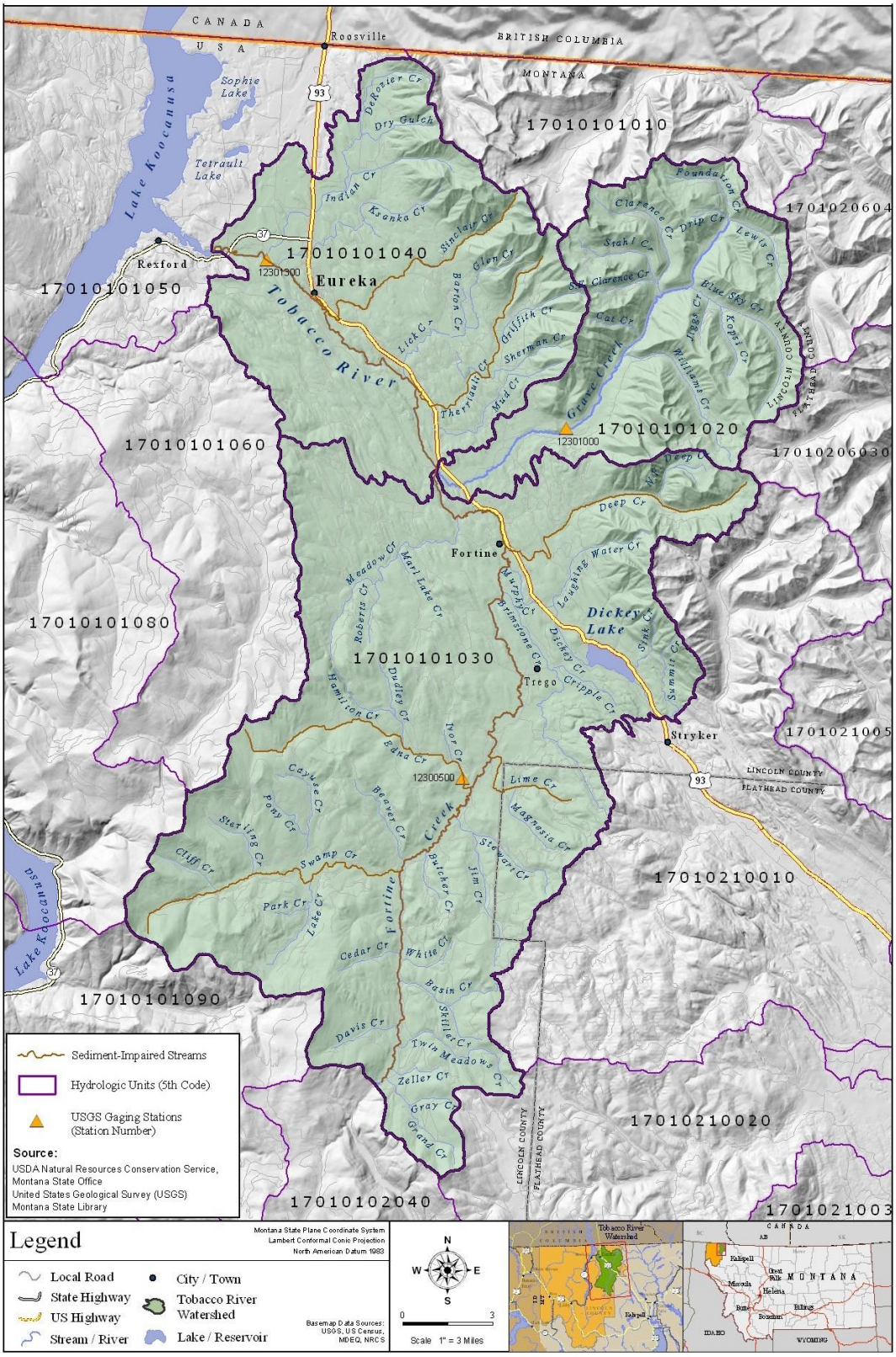


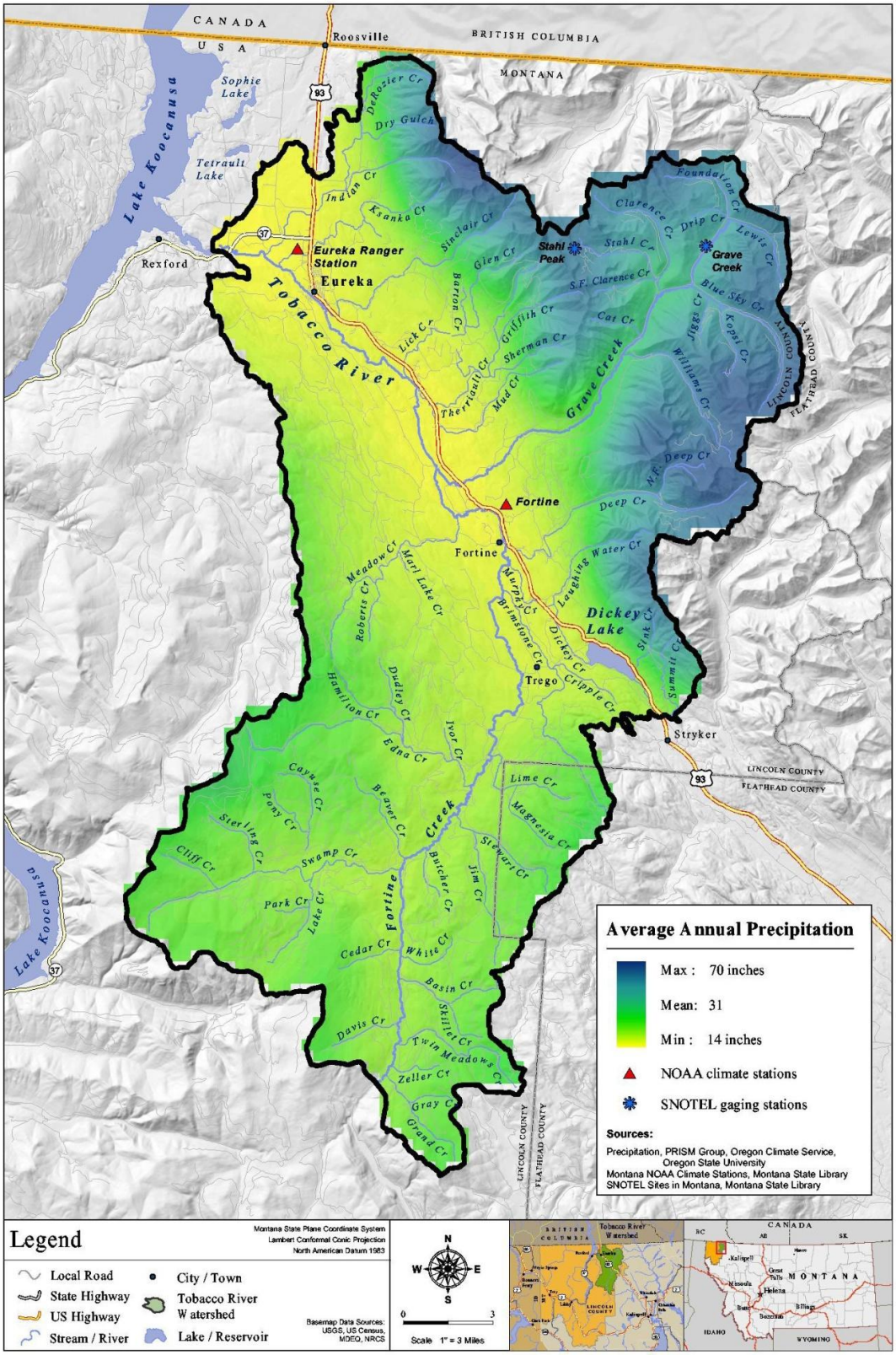

**Map A-1. Boundary of the Tobacco TMDL Planning Area and waterbodies with completed sediment TMDLs in this document**

**Table A-1. 2010 Impaired Waterbodies, Impairment Causes, Impaired Uses, and Impairment Cause Status in the Tobacco TPA**

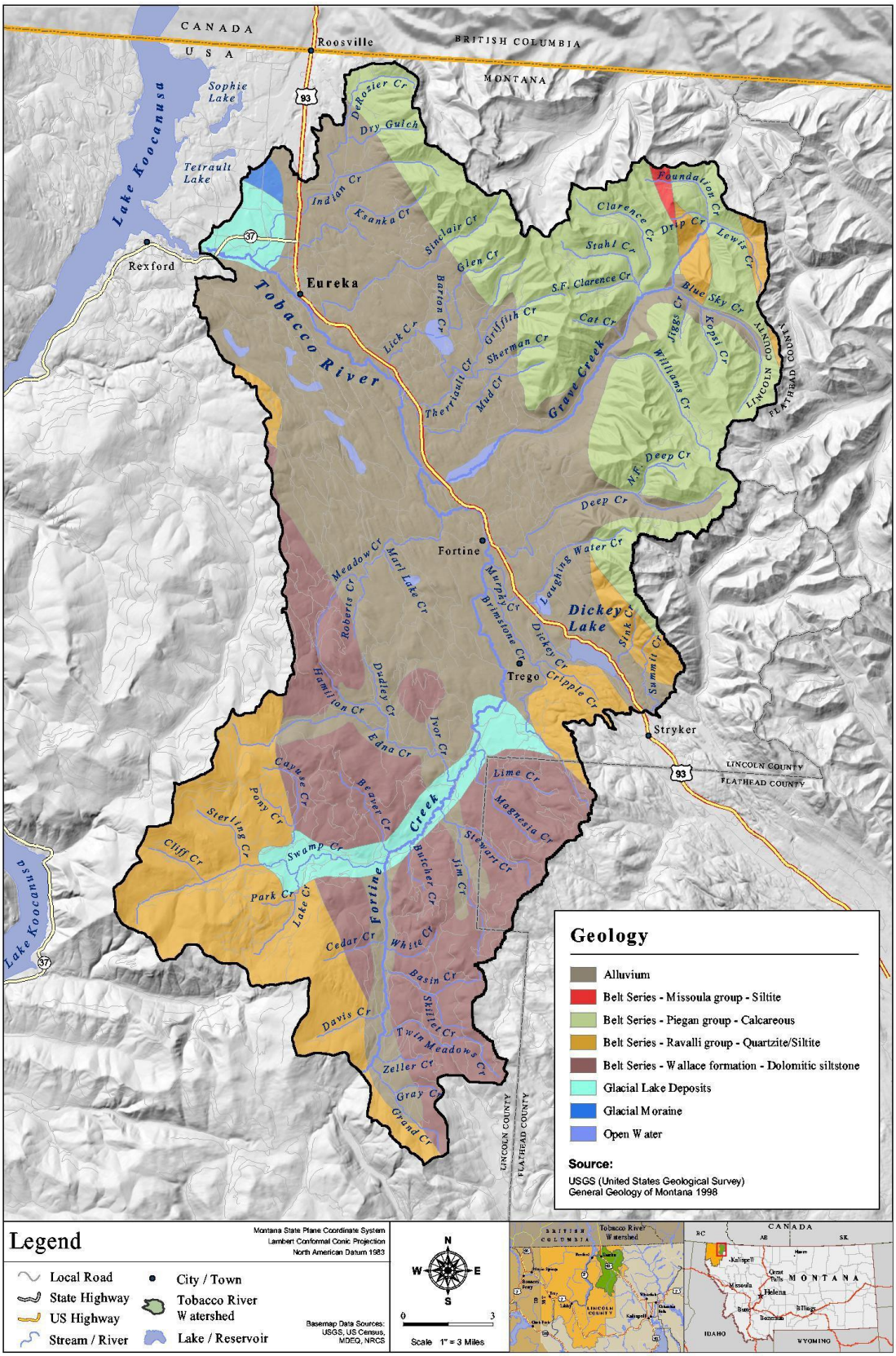
| Waterbody & Location Description | Waterbody ID | Impairment Cause | TMDL Pollutant Category | Impaired Use(s) | Impairment Cause Status |
|---|---|---|---|---|---|
| **Deep Creek,** headwaters to mouth (Fortine Creek) | MT76D004_080 | Alteration in stream-side or littoral vegetative covers | Not Applicable: Non-Pollutant | Aquatic Life, Cold Water Fishery | Addressed by sediment TMDL in this document |
| | | Excess Algal Growth | Not Applicable: Non-Pollutant | Aquatic Life, Cold Water Fishery, Primary Contact Recreation | Not yet addressed by a TMDL or restoration plan |
| | | Sedimentation / Siltation | Sediment | Aquatic Life, Cold Water Fishery | Sediment TMDL contained in this document |
| **Edna Creek,** headwaters to mouth (Fortine Creek) | MT76D004_030 | Sedimentation / Siltation | Sediment | Aquatic Life | Sediment TMDL contained in this document |
| **Fortine Creek,** headwaters to mouth (Grave Creek) | MT76D004_020 | Alteration in stream-side or littoral vegetative covers | Not Applicable: Non-Pollutant | Aquatic Life, Cold Water Fishery | Addressed by sediment TMDL in this document |
| | | Excess Algal Growth | Not Applicable: Non-Pollutant | Aquatic Life, Cold Water Fishery, Primary Contact Recreation | Not yet addressed by a TMDL or restoration plan |
| | | Low flow alterations | Not Applicable: Non-Pollutant | Aquatic Life, Cold Water Fishery, Primary Contact Recreation | Not yet addressed by a TMDL or restoration plan |
| | | Sedimentation / Siltation | Sediment | Aquatic Life, Cold Water Fishery | Sediment TMDL contained in this document |
| | | Temperature, water | Temperature | Aquatic Life, Cold Water Fishery | To be completed in a future project |

**Table A-1. 2010 Impaired Waterbodies, Impairment Causes, Impaired Uses, and Impairment Cause Status in the Tobacco TPA**

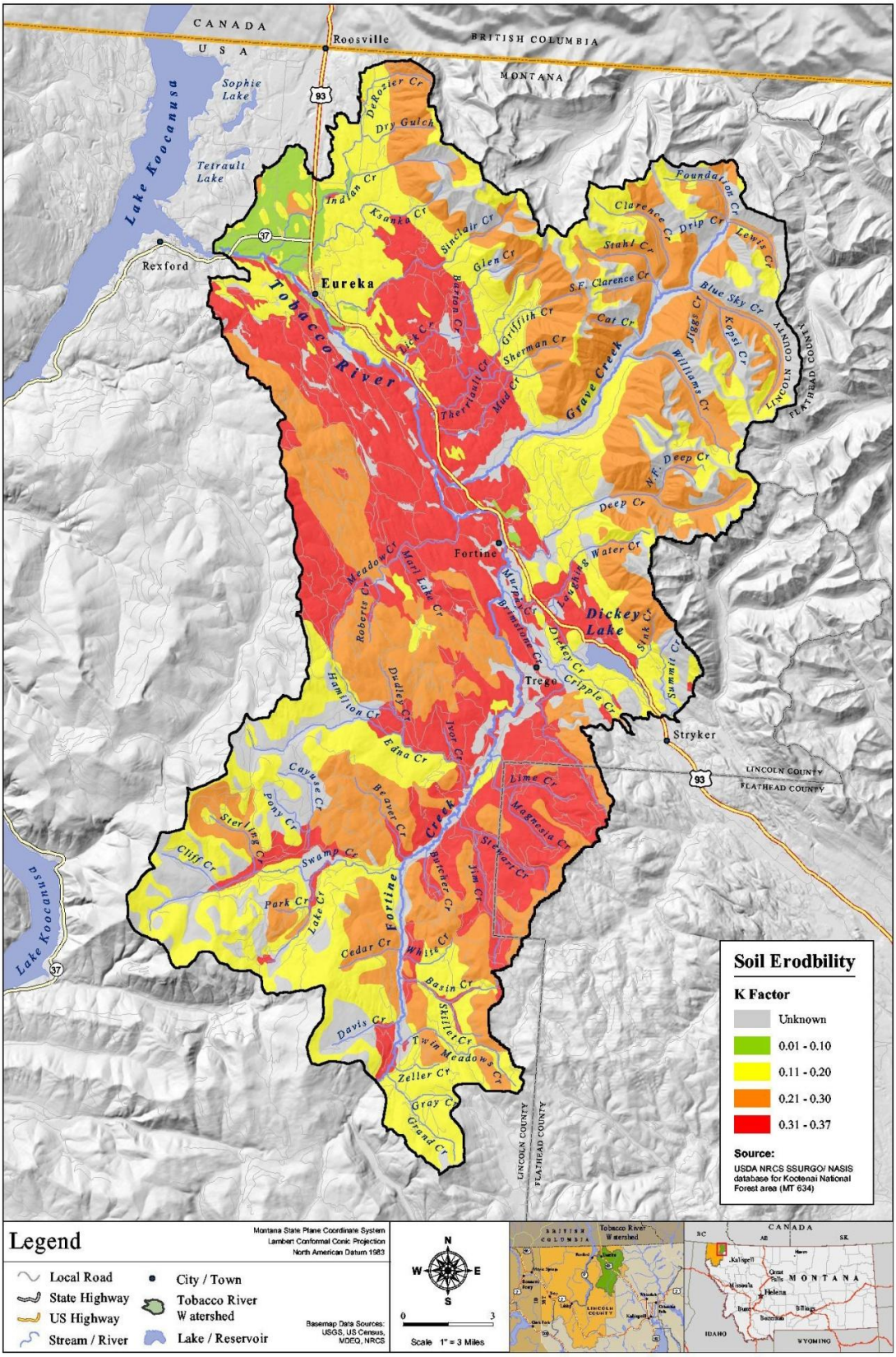
| Waterbody & Location Description | Waterbody ID | Impairment Cause | TMDL Pollutant Category | Impaired Use(s) | Impairment Cause Status |
|---|---|---|---|---|---|
| **Lime Creek,** headwaters to mouth (Fortine Creek) | MT76D004_050 | Alteration in stream-side or littoral vegetative covers | Not Applicable: Non-Pollutant | Aquatic Life, Cold Water Fishery | Addressed by sediment TMDL in this document |
| | | Arsenic | Metals | Drinking Water | To be completed in a future project |
| | | Chlorophyll-*a* | Not Applicable: Non-Pollutant | Aquatic Life, Cold Water Fishery, Primary Contact Recreation | Not yet addressed by a TMDL or restoration plan |
| | | Phosphorus (Total) | Nutrients | Aquatic Life, Cold Water Fishery | To be completed in a future project |
| | | Sedimentation / Siltation | Sediment | Aquatic Life, Cold Water Fishery | Sediment TMDL contained in this document |
| | | Total Kjehldahl Nitrogen (TKN) | Nutrients | Aquatic Life, Cold Water Fishery | To be completed in a future project |
| **Swamp Creek,** headwaters to mouth (Fortine Creek) | MT76D004_040 | Alteration in stream-side or littoral vegetative covers | Not Applicable: Non-Pollutant | Aquatic Life, Cold Water Fishery | Addressed by sediment TMDL in this document |
| | | Low flow alterations | Not Applicable: Non-Pollutant | Aquatic Life, Cold Water Fishery, Primary Contact Recreation | Not yet addressed by a TMDL or restoration plan |
| | | Sedimentation / Siltation | Sediment | Aquatic Life, Cold Water Fishery | Sediment TMDL contained in this document |
| **Therriault Creek,** headwaters to mouth (Tobacco River) | MT76D004_070 | Sedimentation / Siltation | Sediment | Aquatic Life, Cold Water Fishery | Sediment TMDL contained in this document |
| **Tobacco River,** confluence of Grave Creek & Fortine Creek to mouth (Lake Koocanusa) | MT76D004_010 | Physical substrate habitat alterations | Not Applicable: Non-Pollutant | Aquatic Life, Cold Water Fishery | Addressed by sediment TMDL in this document |
| | | Sedimentation / Siltation | Sediment | Aquatic Life, Cold Water Fishery | Sediment TMDL contained in this document |



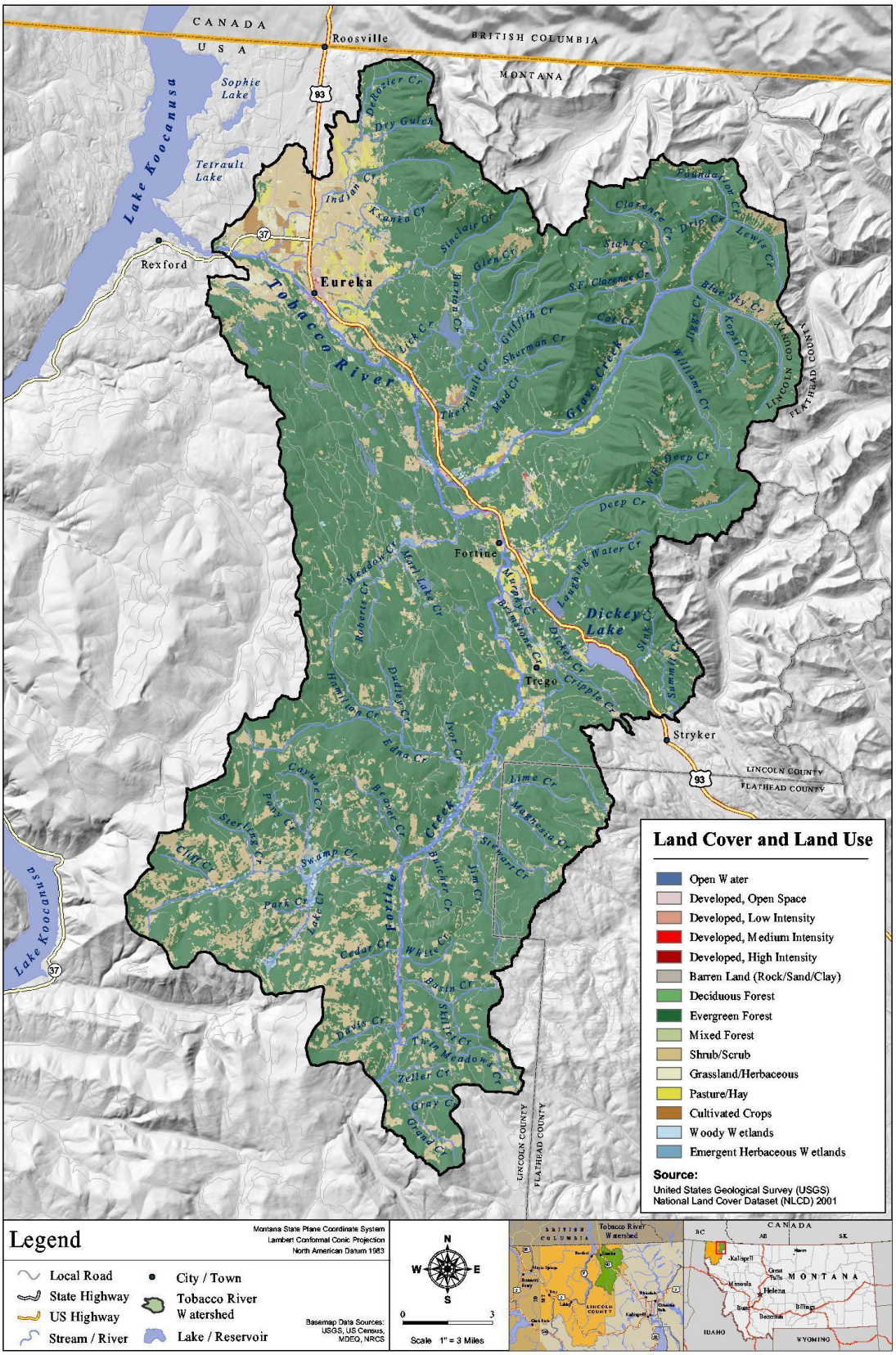

**Map A-2. Average annual precipitation and location of climate and SNOTEL stations in the Tobacco River watershed**



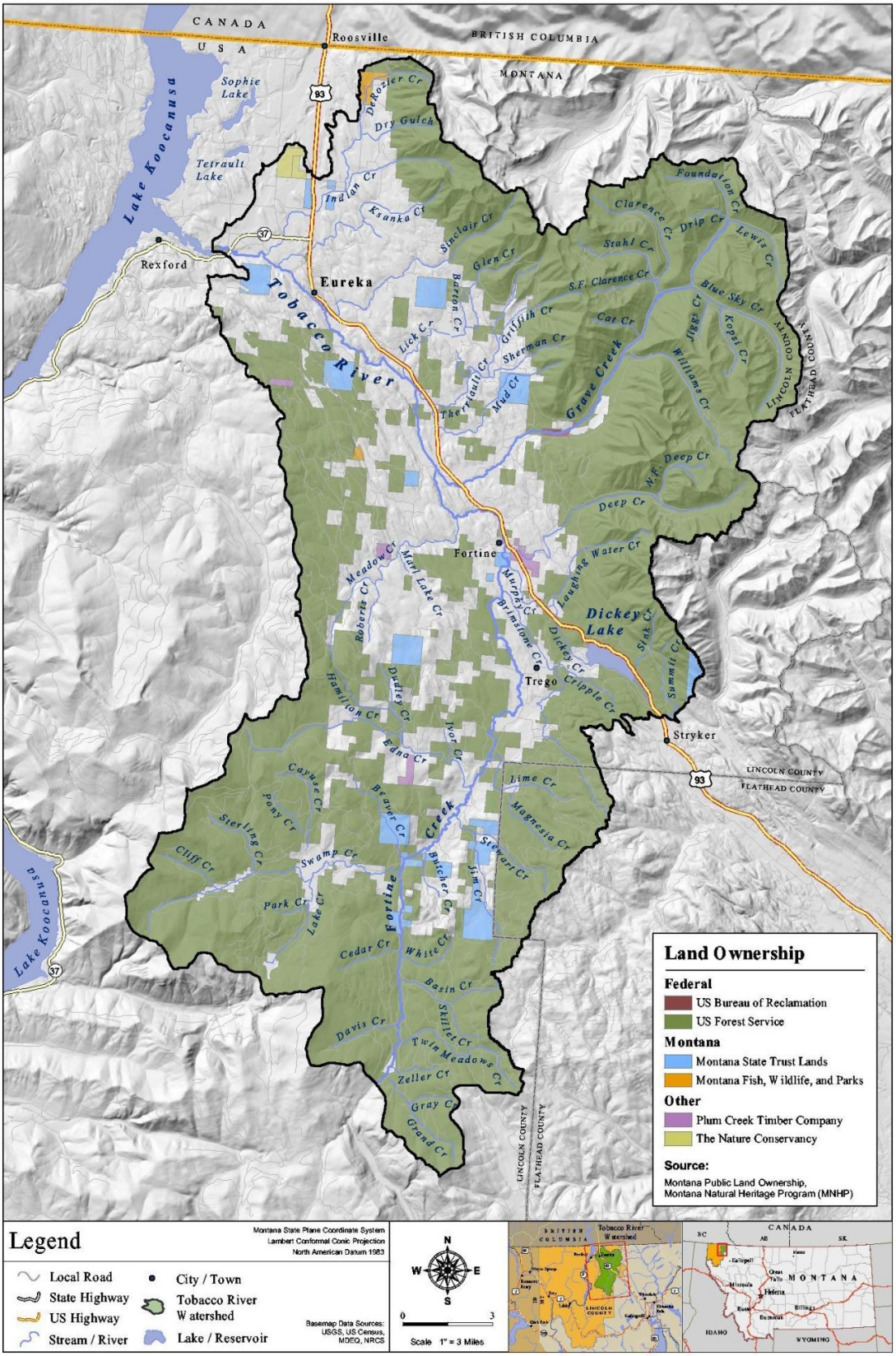

**Map A-3. Geology of the Tobacco River watershed**



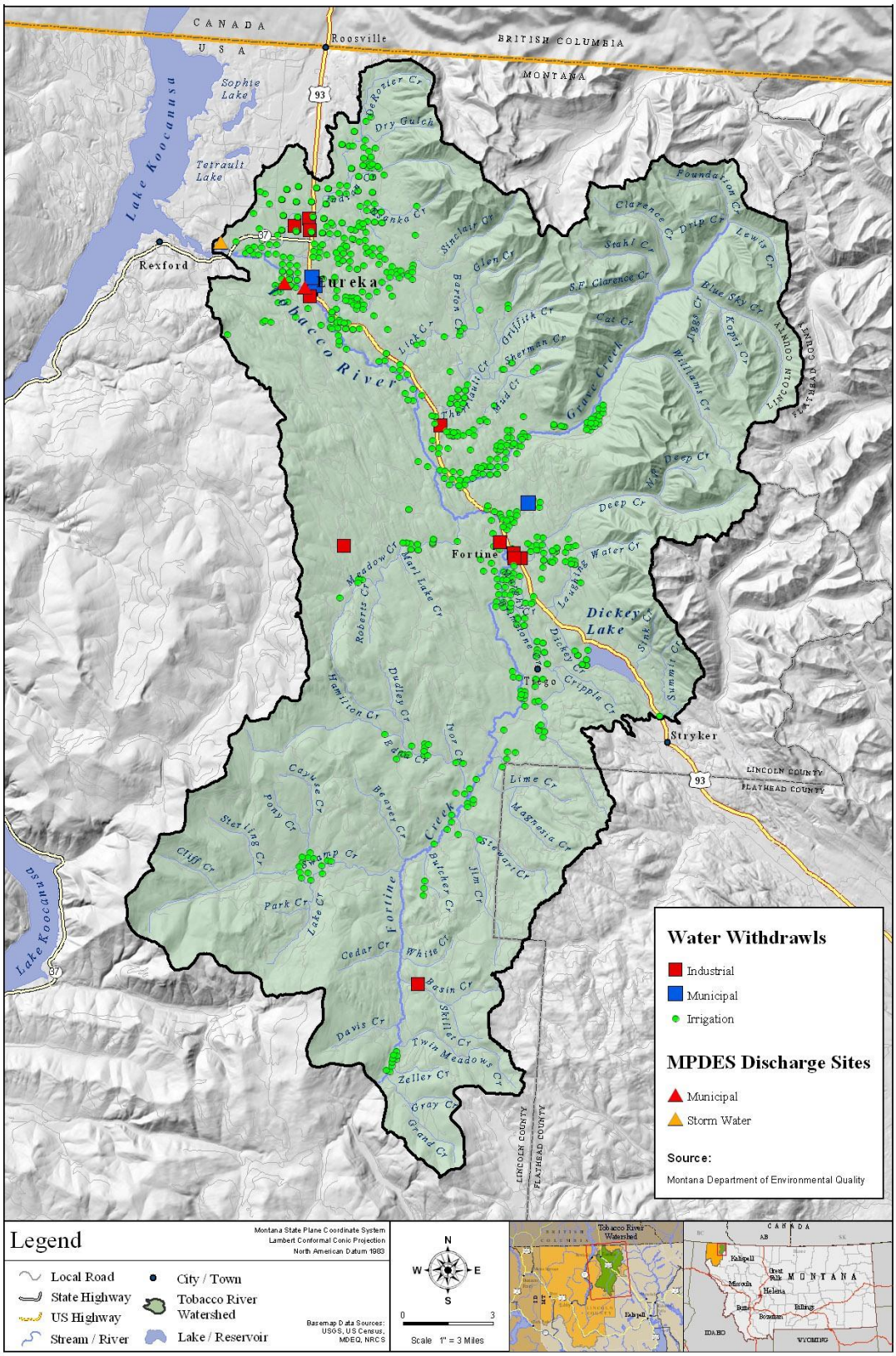

**Map A-4. Soil Erodibility (K factors) in the Tobacco River watershed**



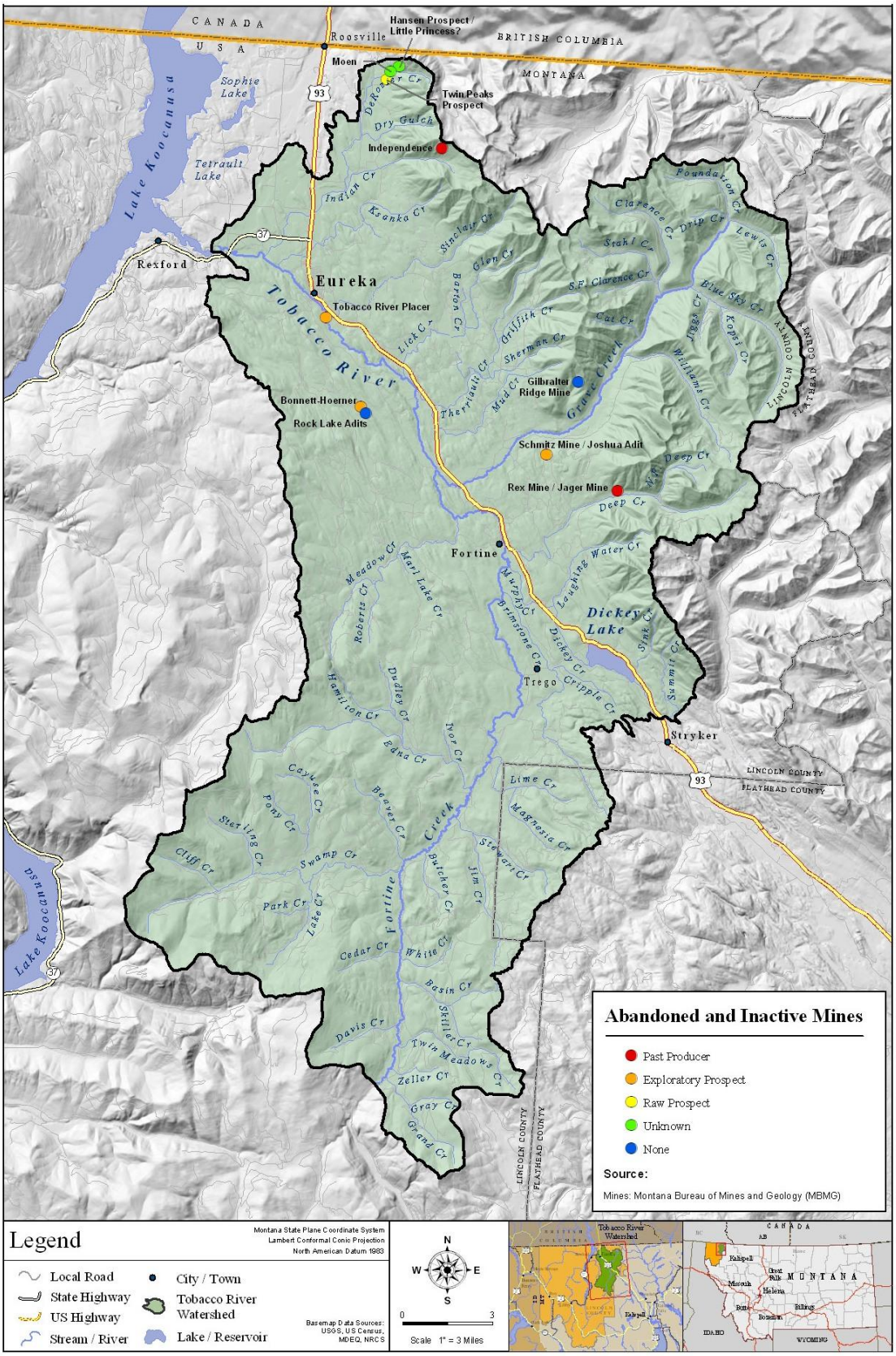

**Map A-5. Types of land cover and land use in the Tobacco River watershed**



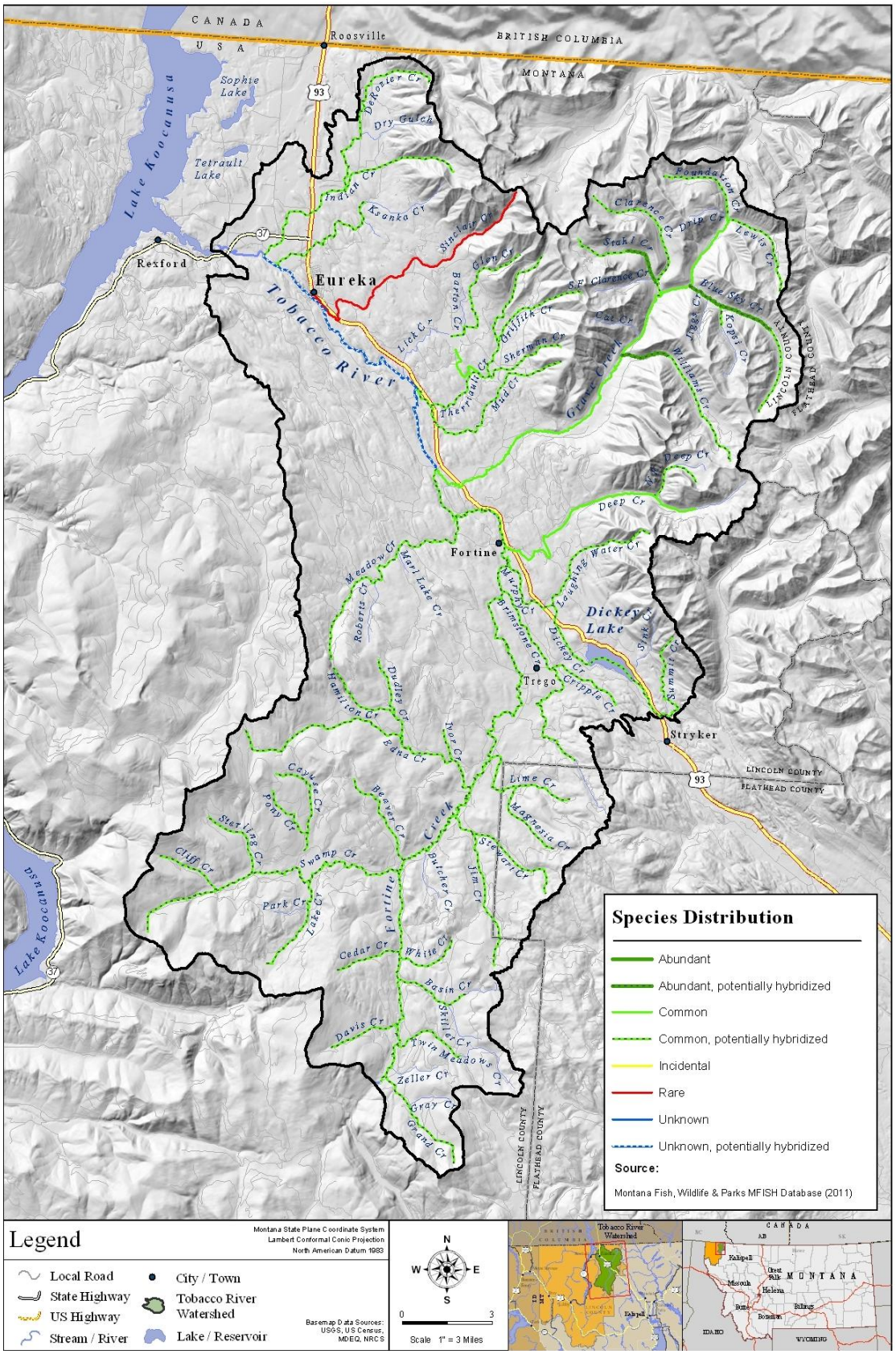

**Map A-6. Land ownership in the Tobacco River watershed**



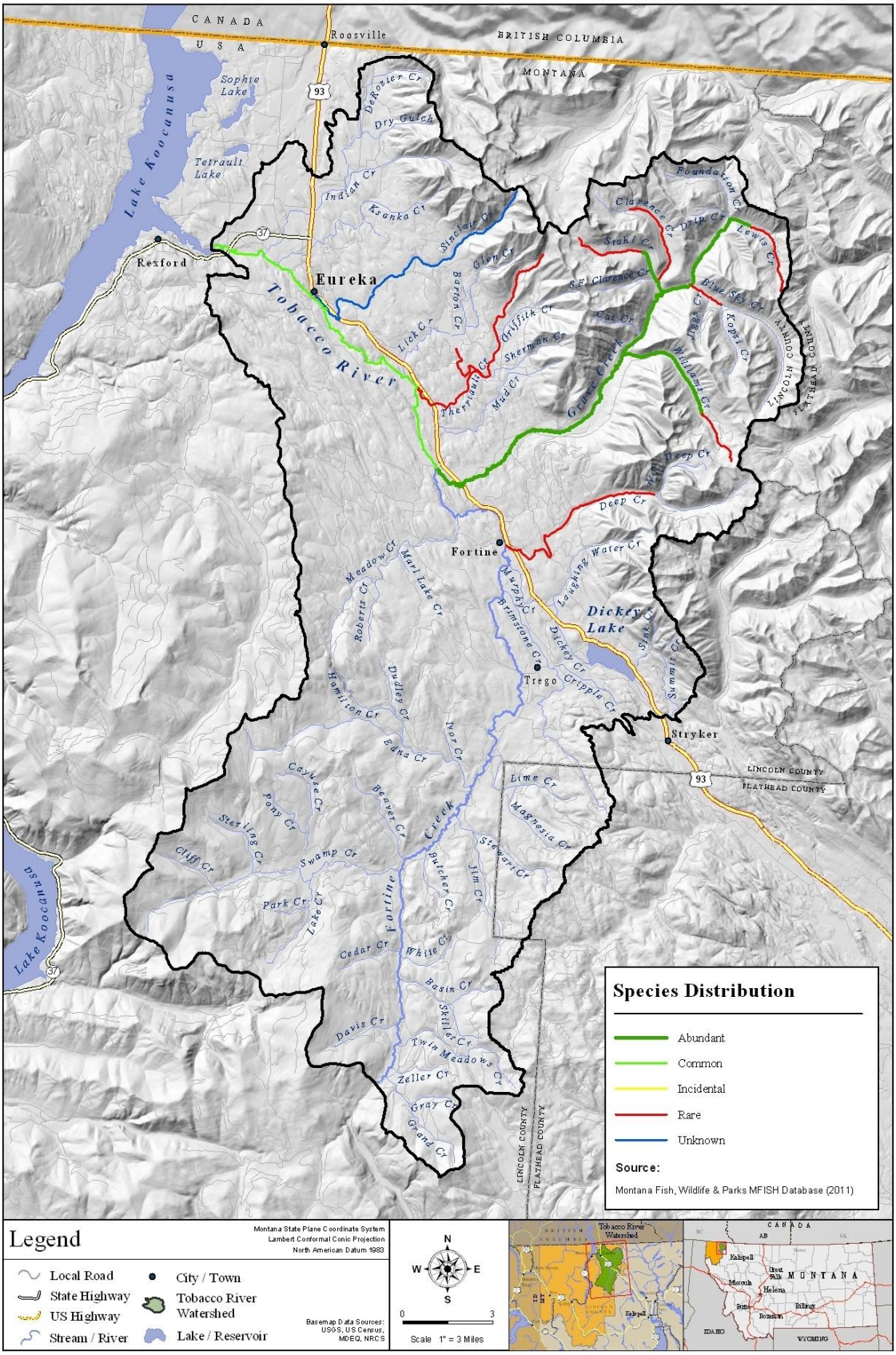

**Map A-7. Locations of water withdrawals and permitted discharges in the Tobacco River watershed**




**Map A-8. Locations of active and abandoned mines in the Tobacco River watershed**




**Map A-9: Distribution of westslope cutthroat trout in the Tobacco River watershed**




**Map A-10: Distribution of bull trout in the Tobacco River watershed**