Bear River WRAP Map Book

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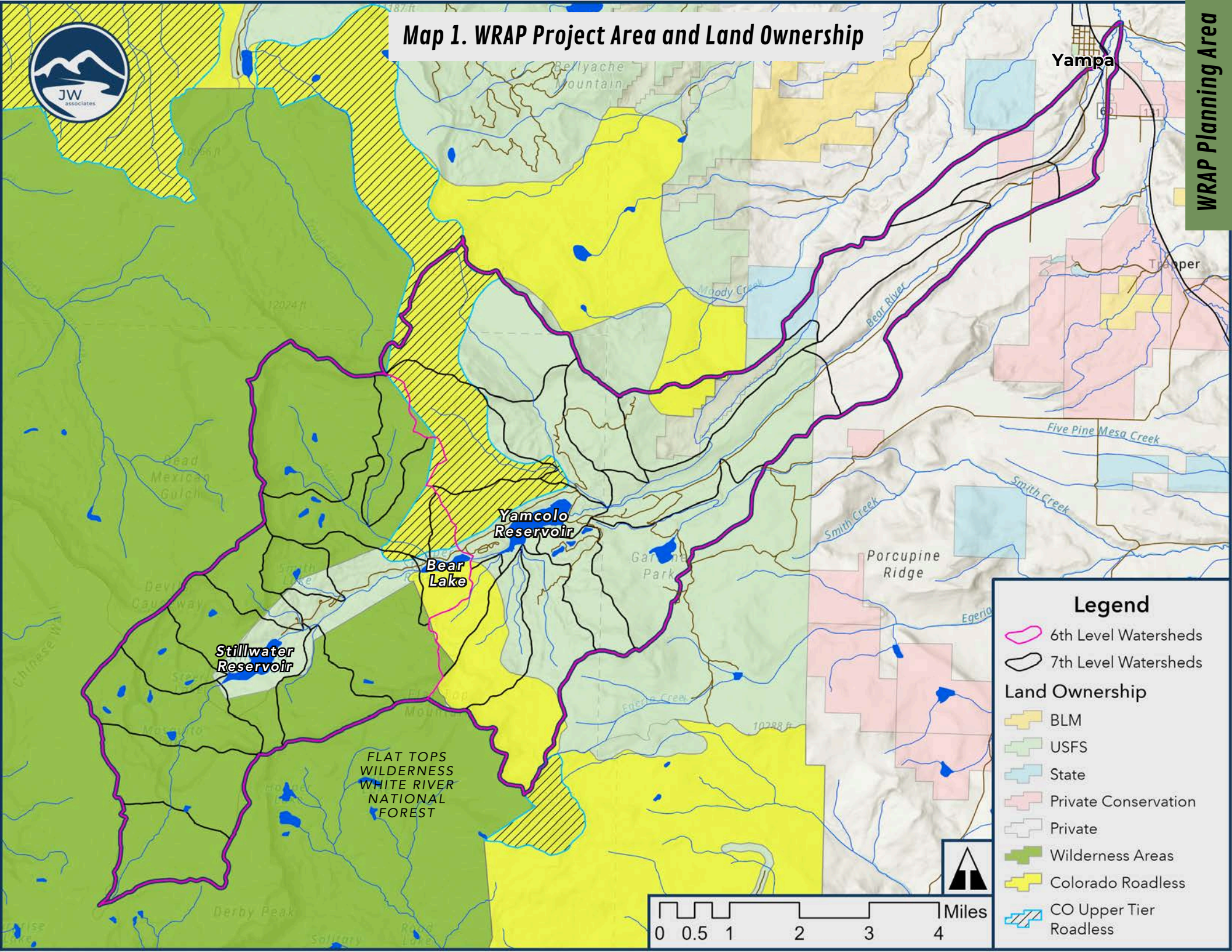
Yamcolo Reservoir - Bear River Region

Headwaters Bear River Region


Map 1. WRAP Project Area and Land Ownership
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Five Pine Mesa Creek
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Derby Peak
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USFS
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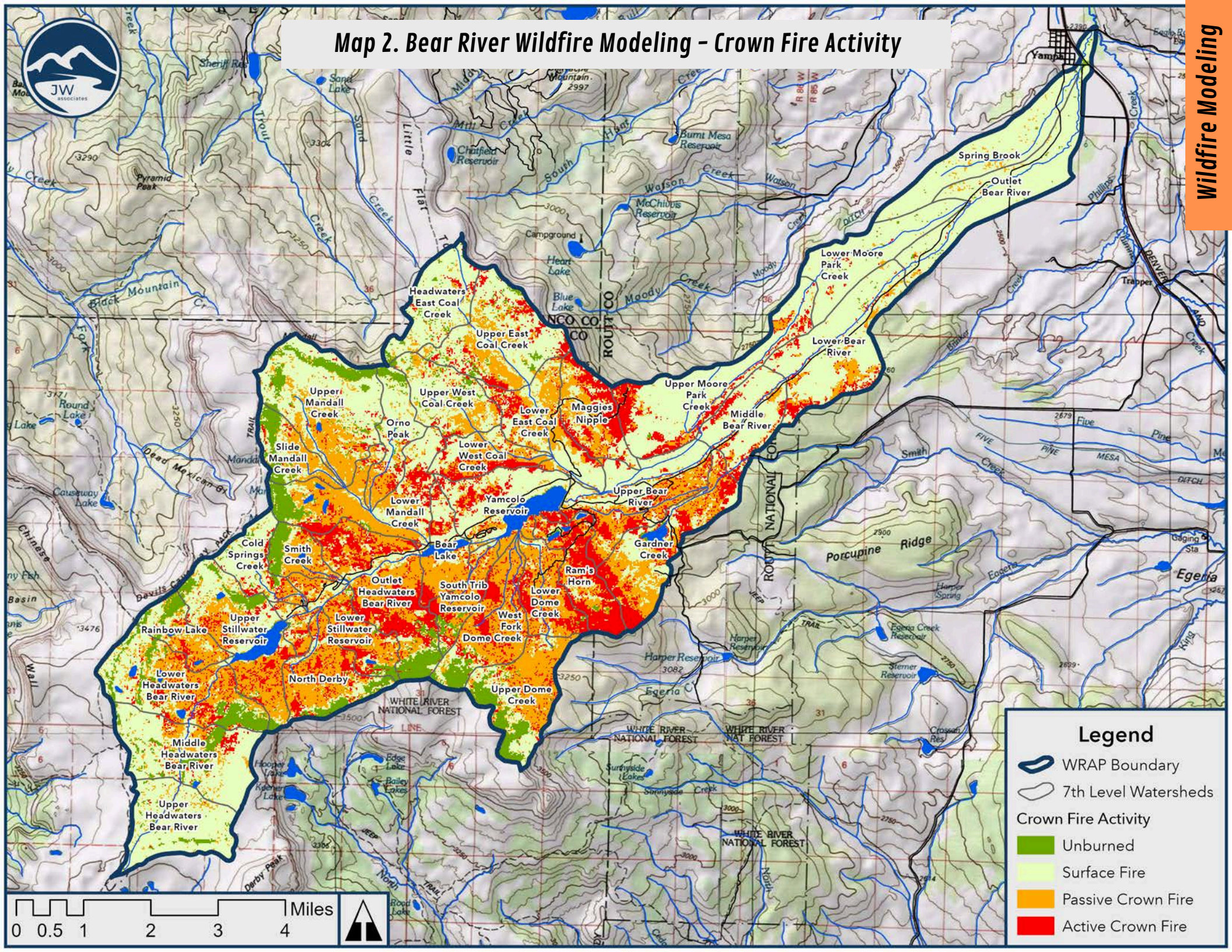
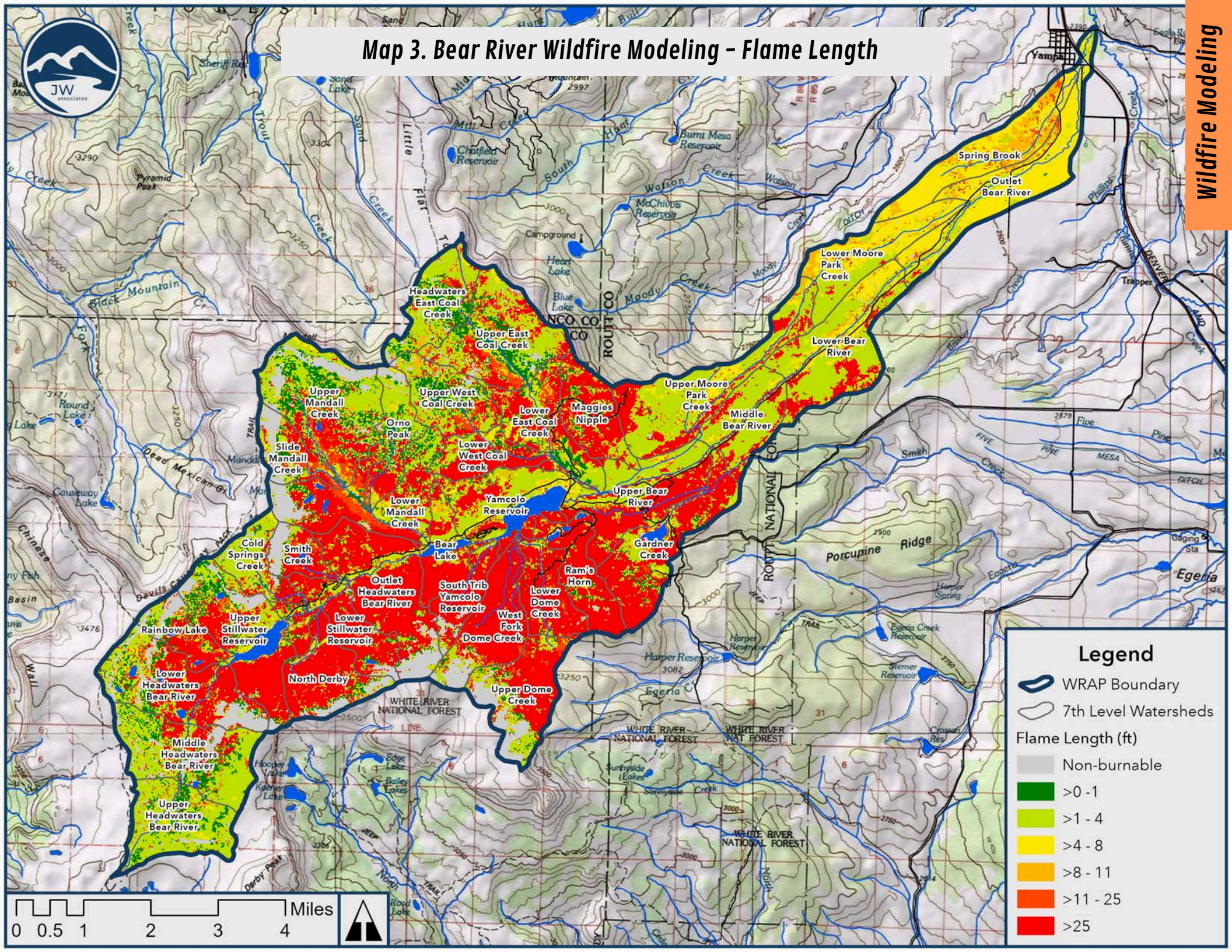
Private
Wilderness Areas
Colorado Roadless
CO Upper Tier Roadless
0 0.5 1 2 3 4 Miles

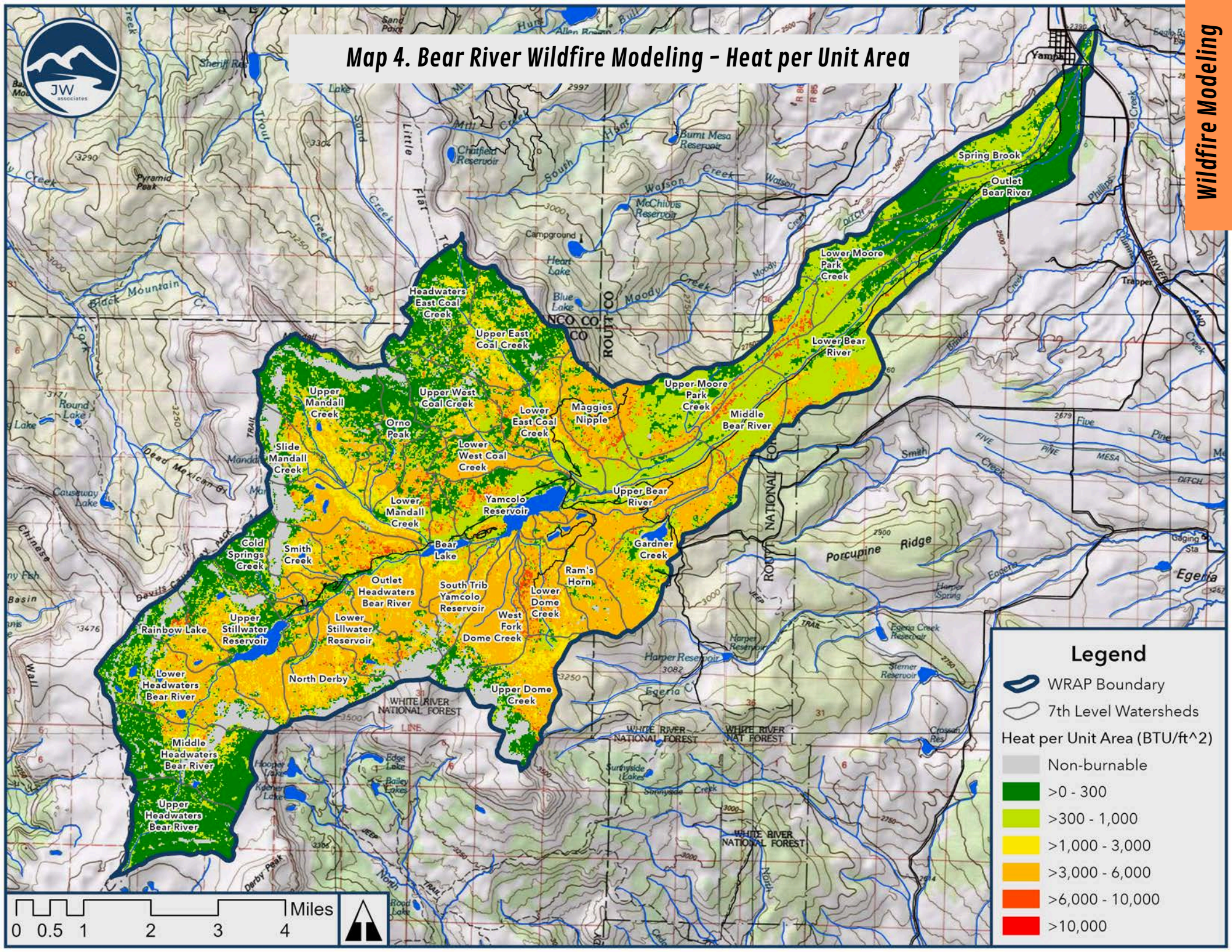
Map 2. Bear River Wildfire Modeling – Crown Fire Activity



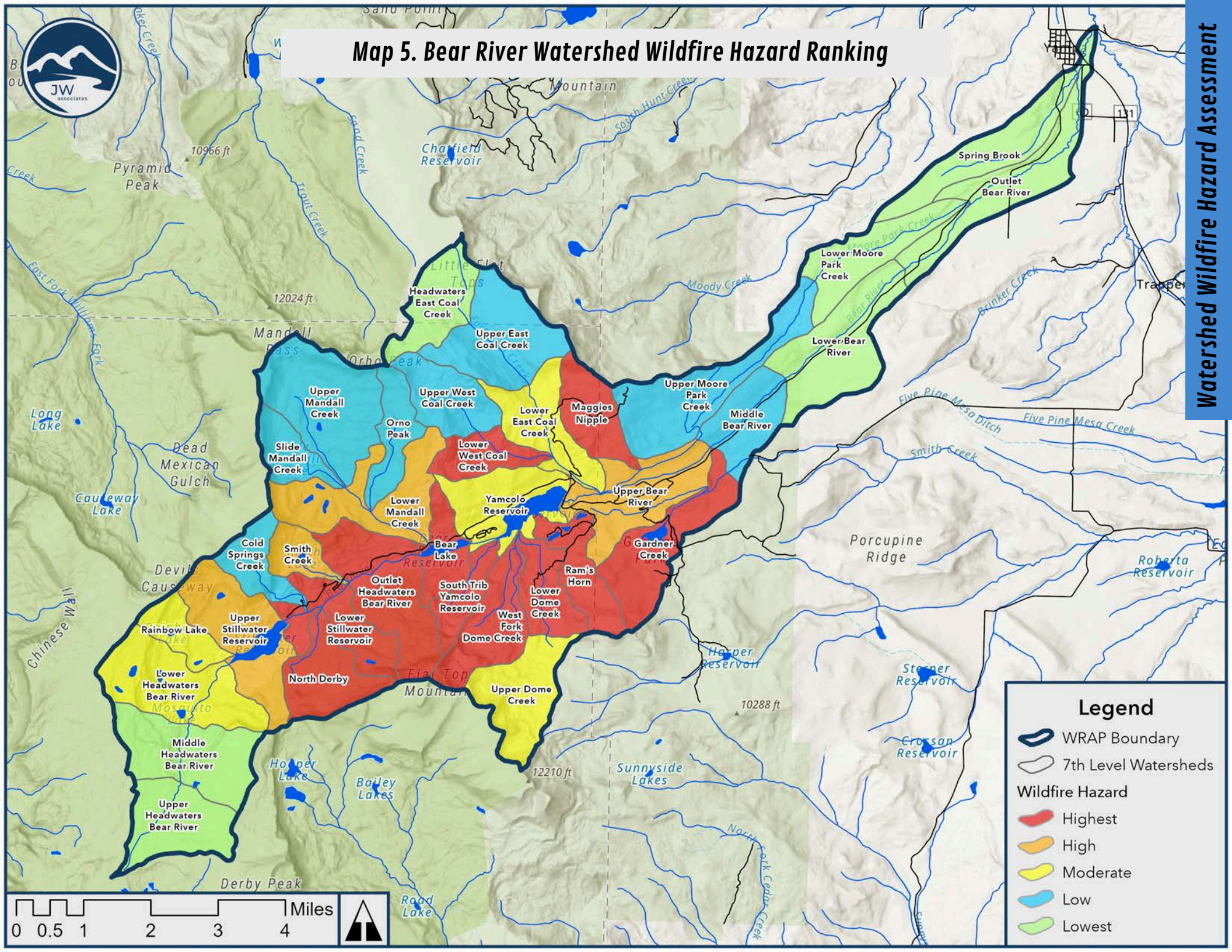
Map 3. Bear River Wildfire Modeling – Flame Length



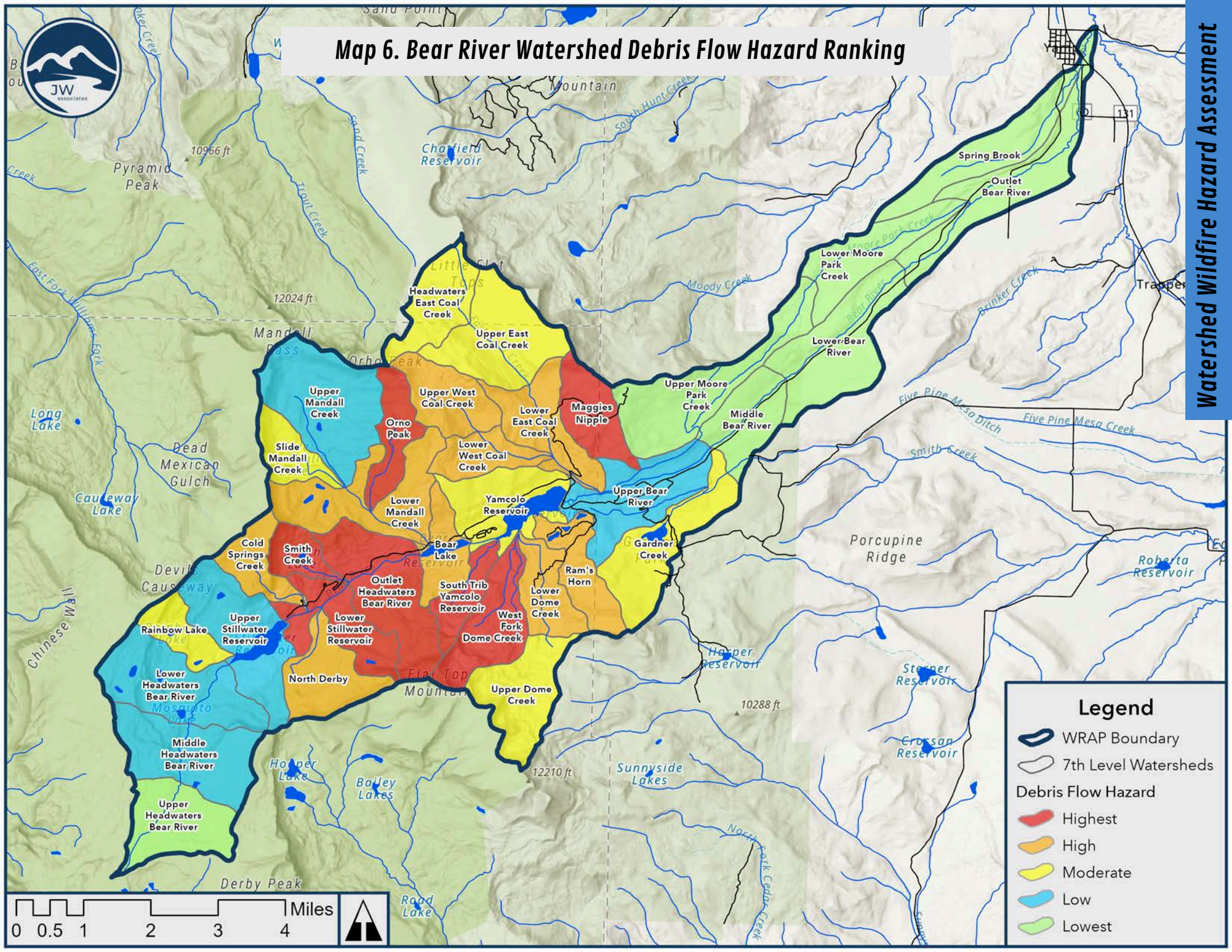
Map 4. Bear River Wildfire Modeling – Heat per Unit Area



Map 5. Bear River Watershed Wildfire Hazard Ranking



Map 6. Bear River Watershed Debris Flow Hazard Ranking



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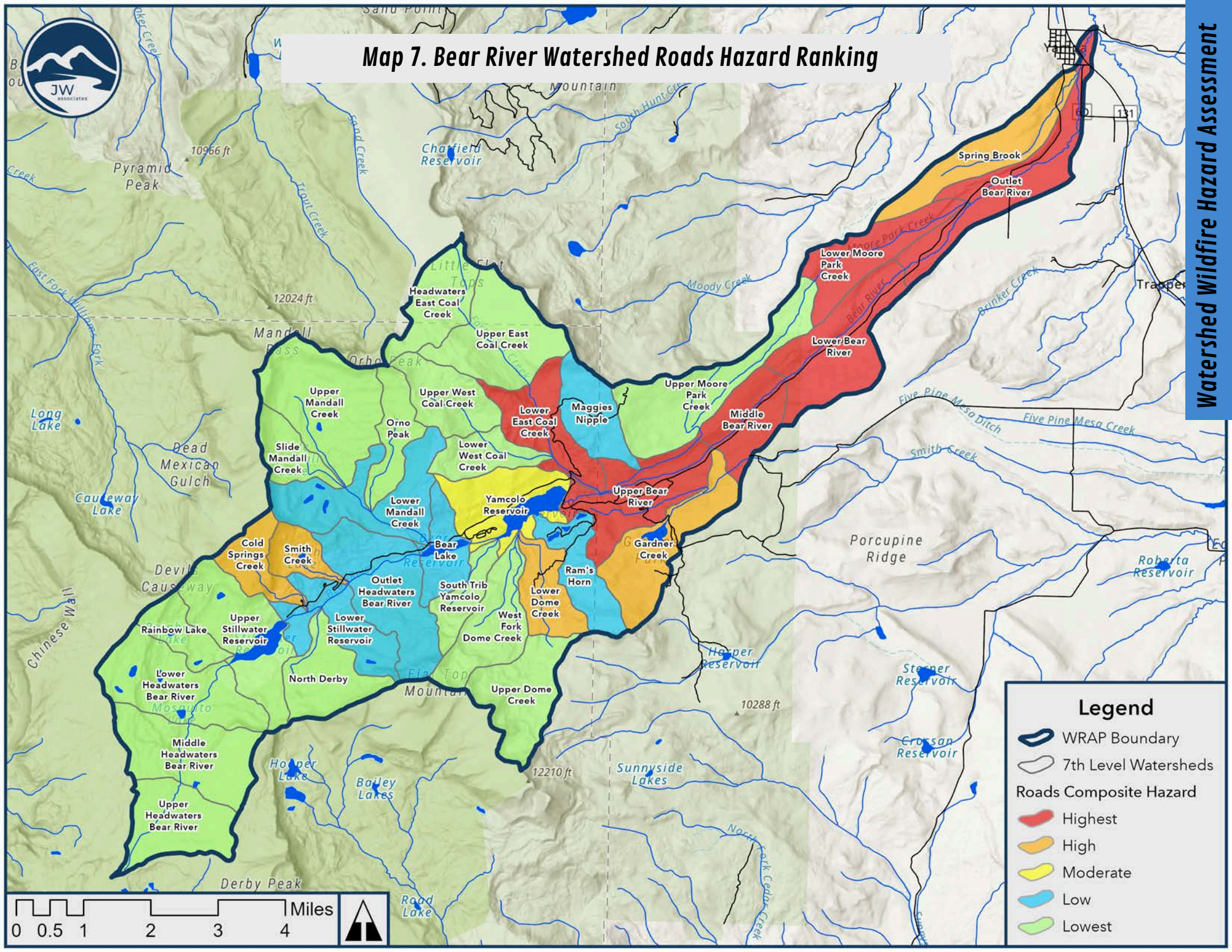
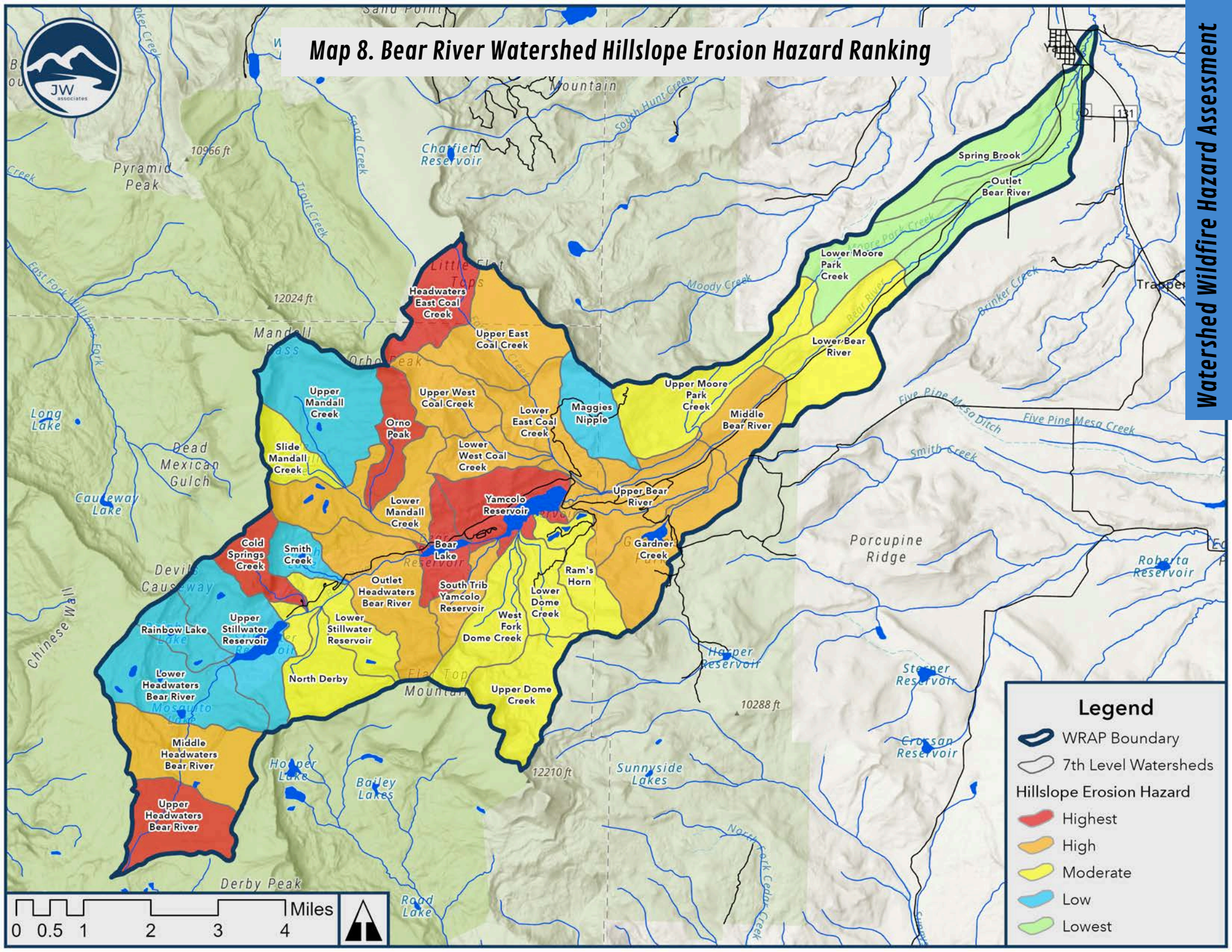


Map 8. Bear River Watershed Hillslope Erosion Hazard Ranking



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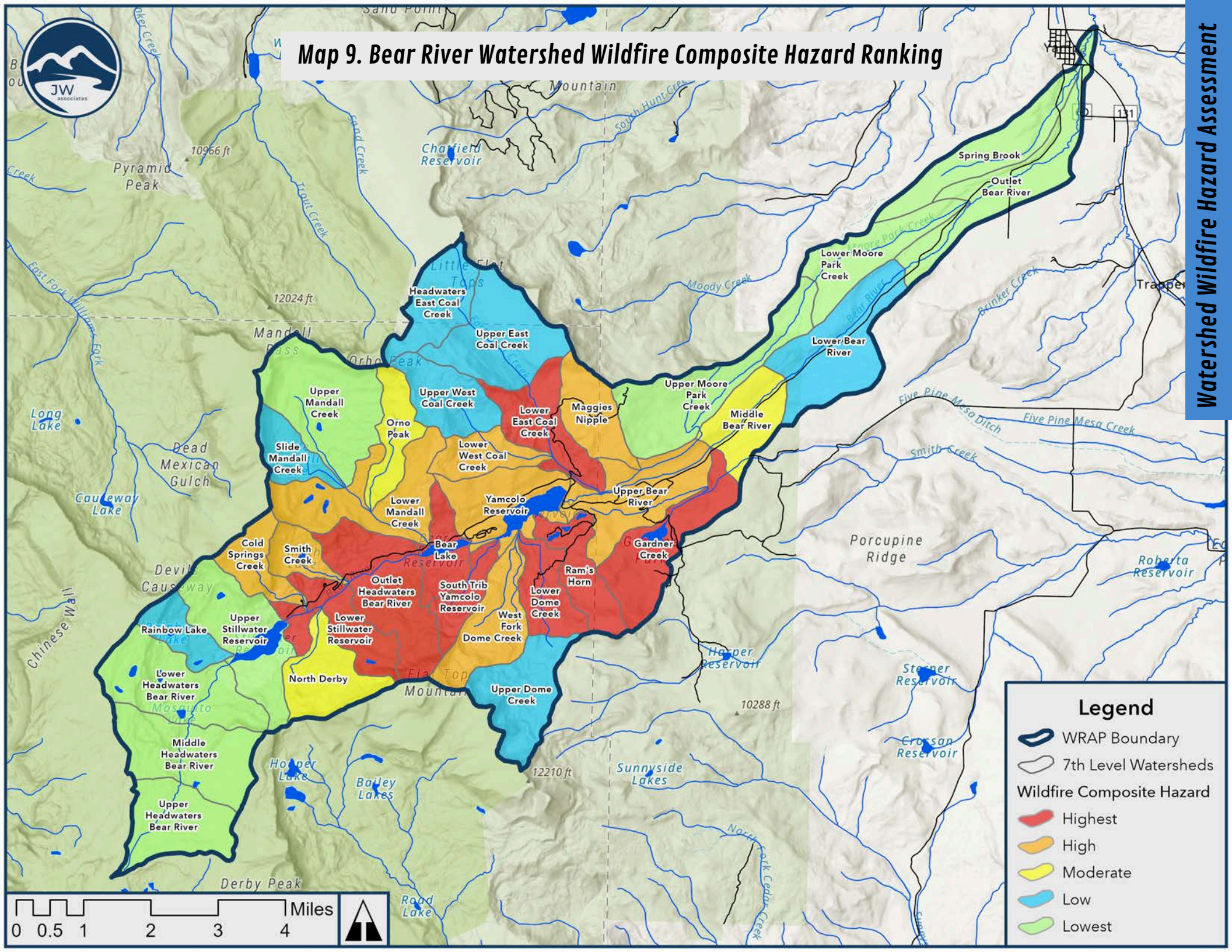

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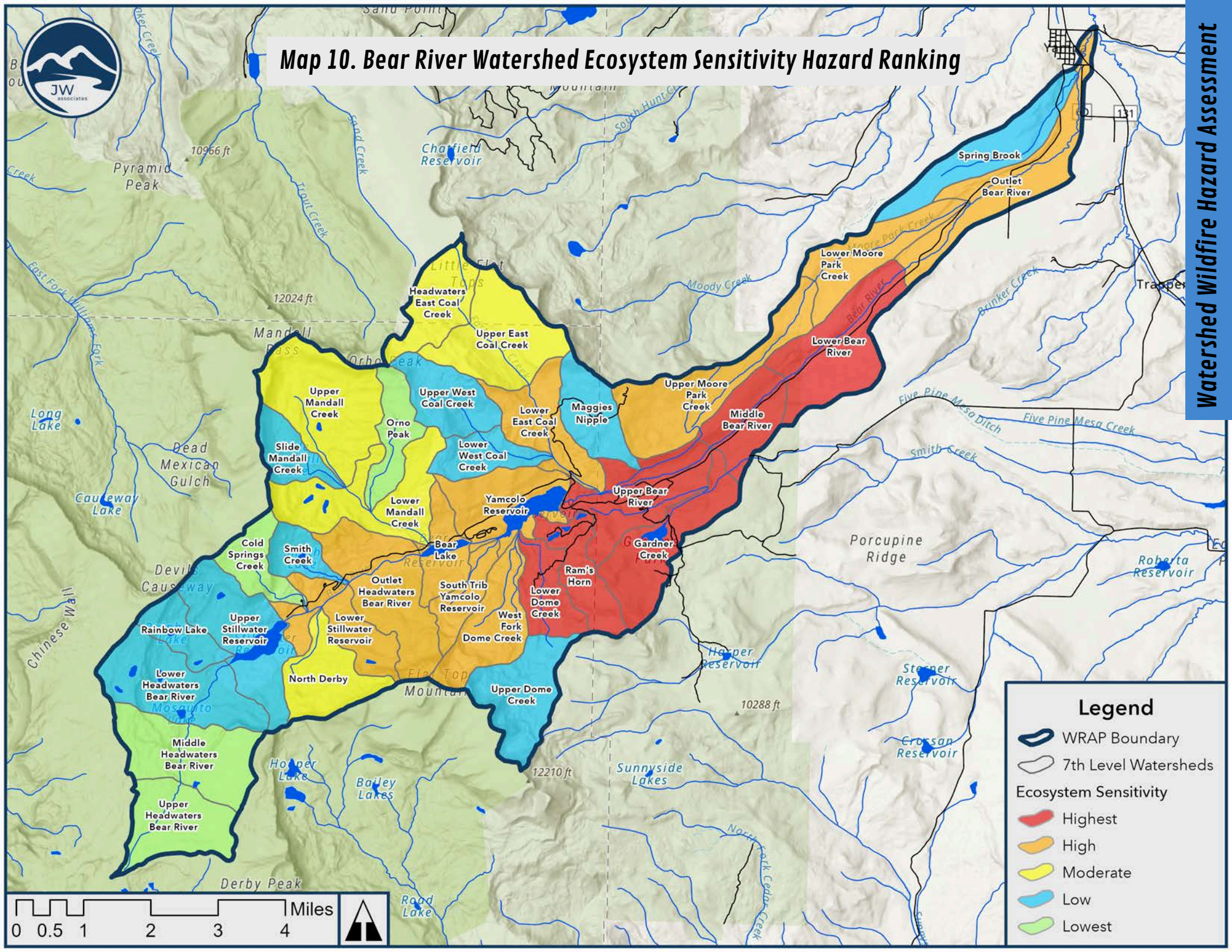

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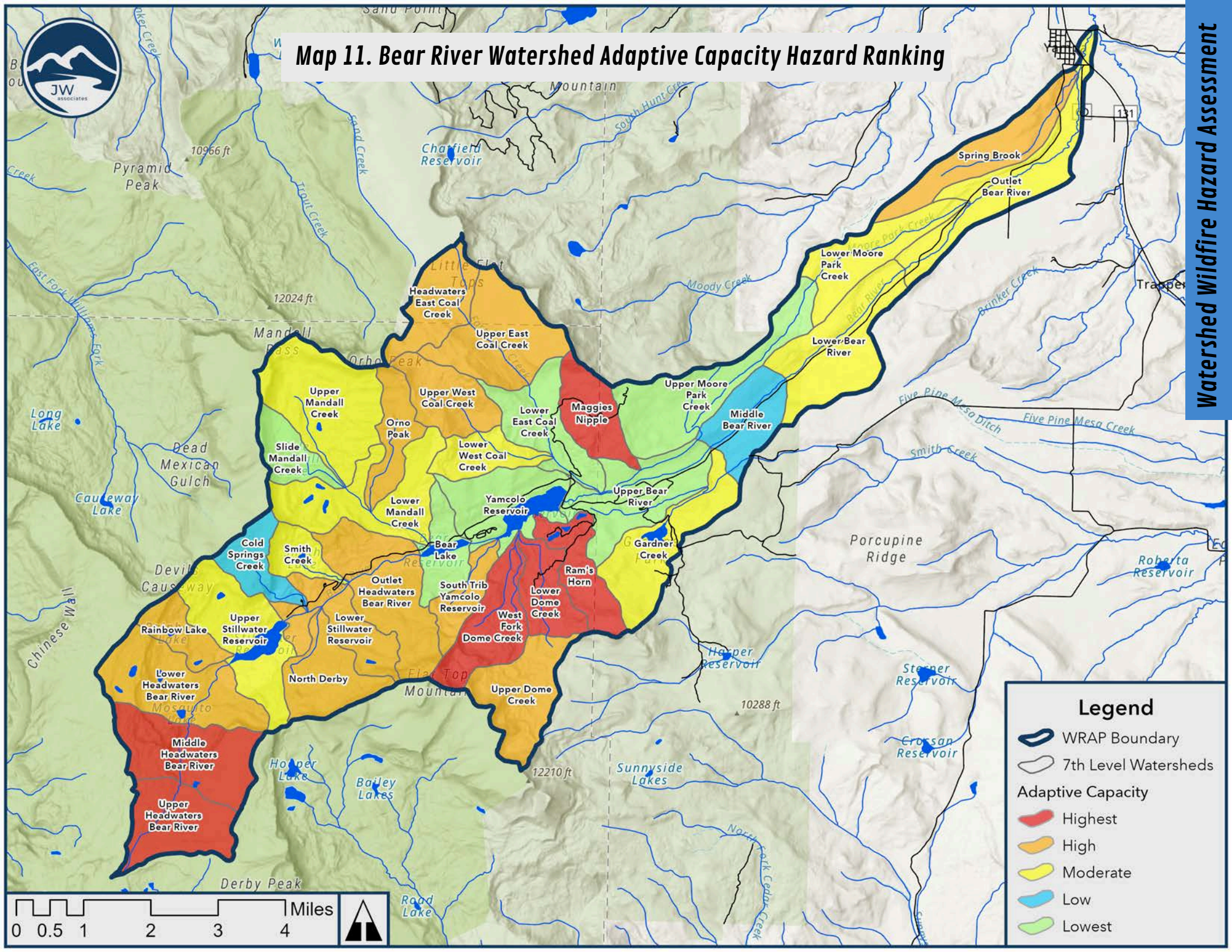

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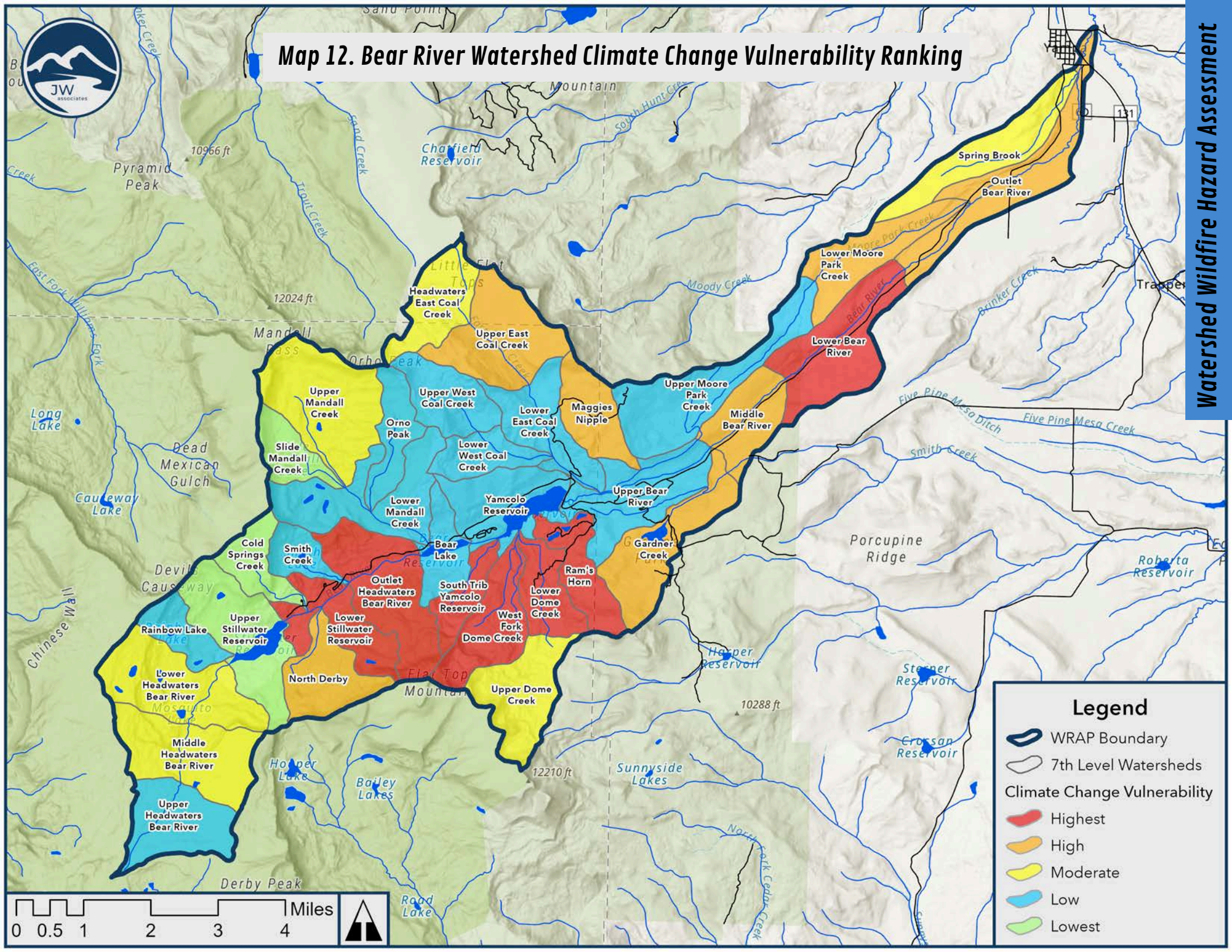
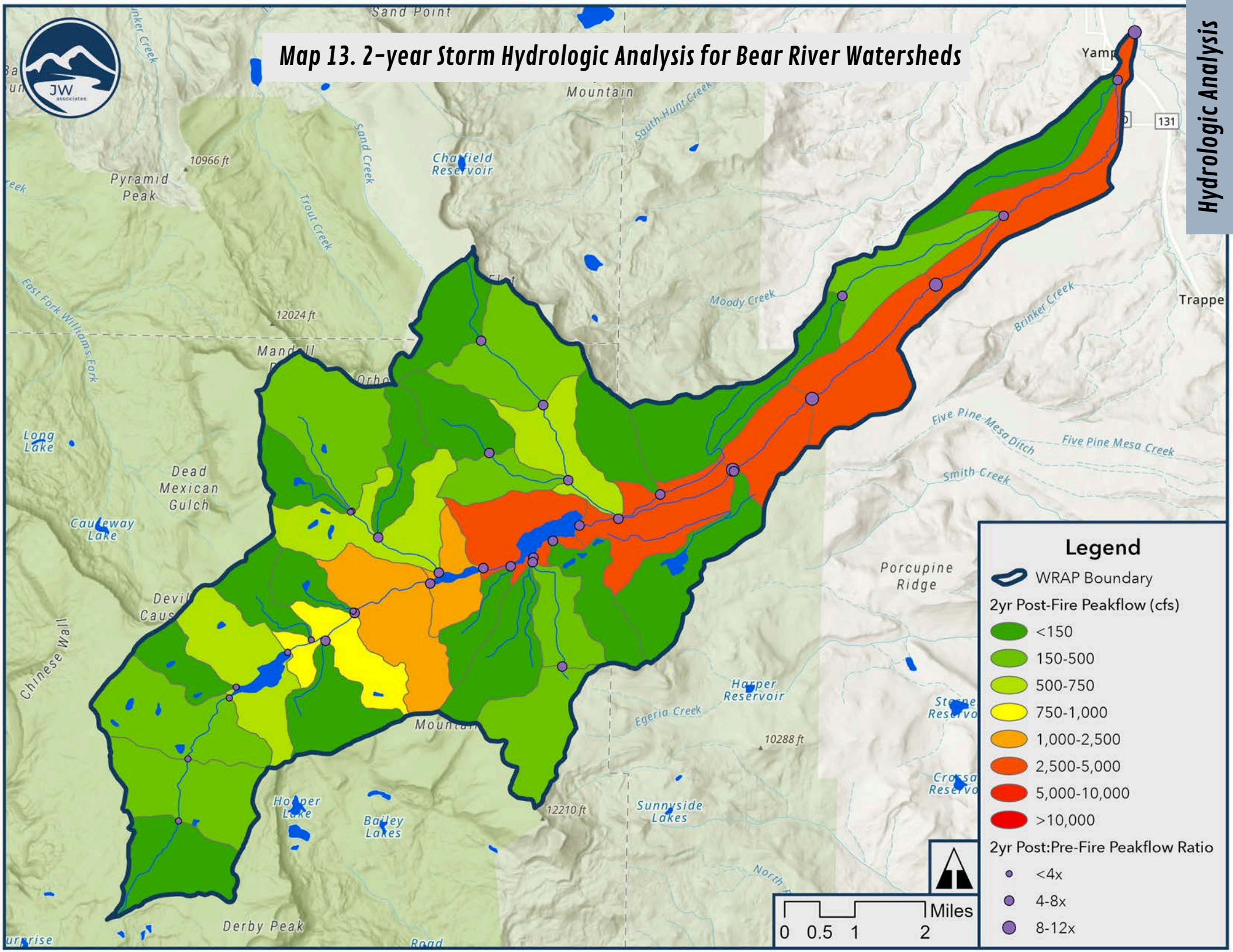
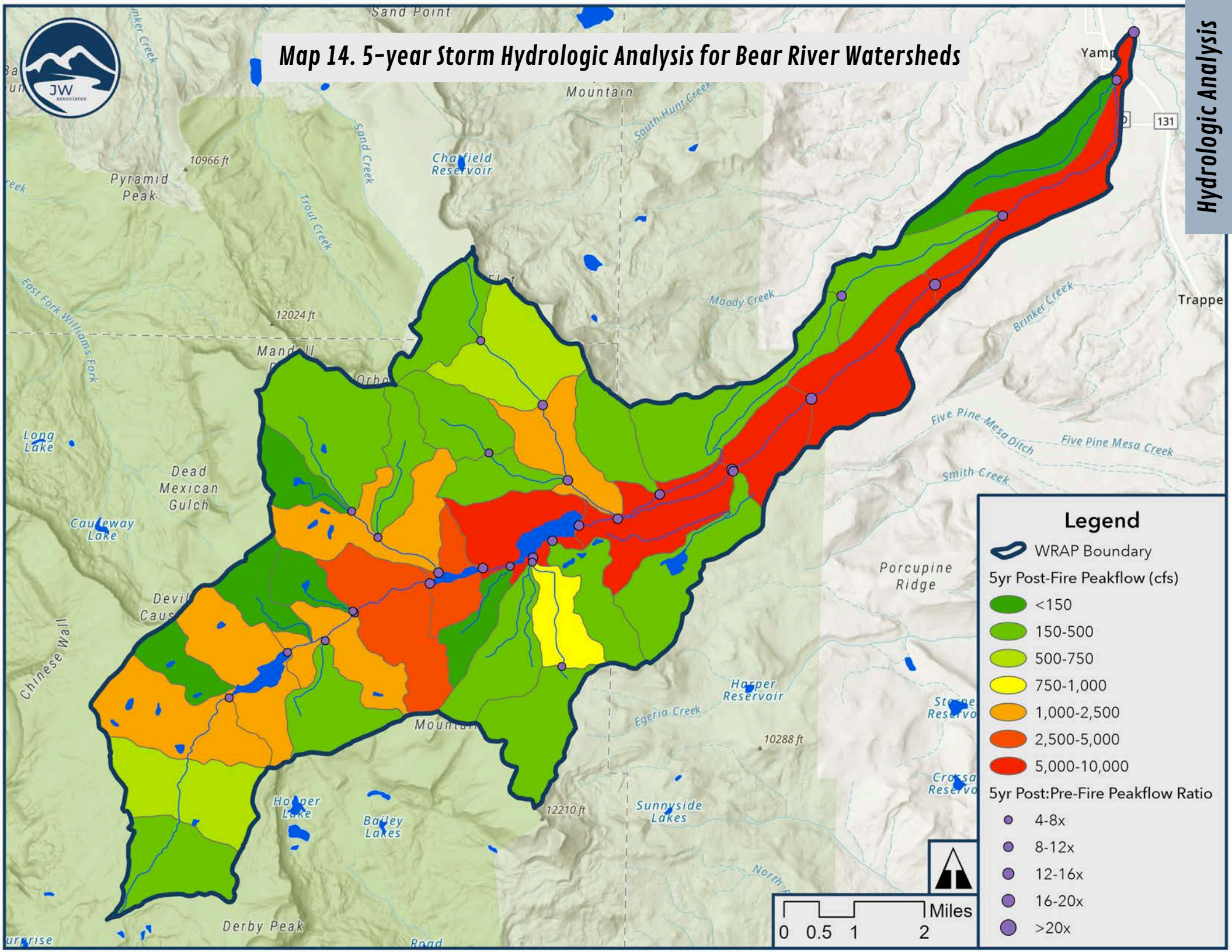


Map 13. 2-year Storm Hydrologic Analysis for Bear River Watersheds



Map 14. 5-year Storm Hydrologic Analysis for Bear River Watersheds



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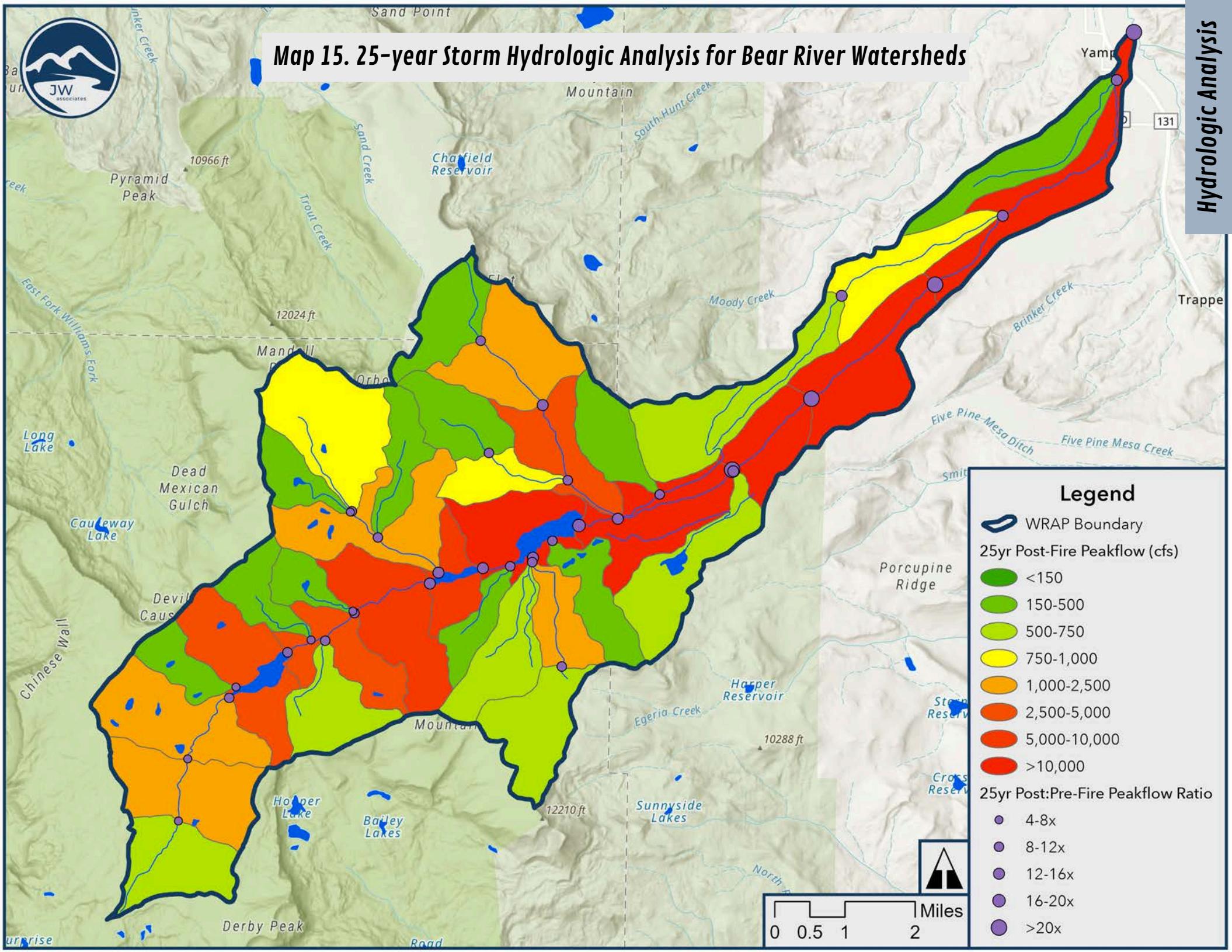

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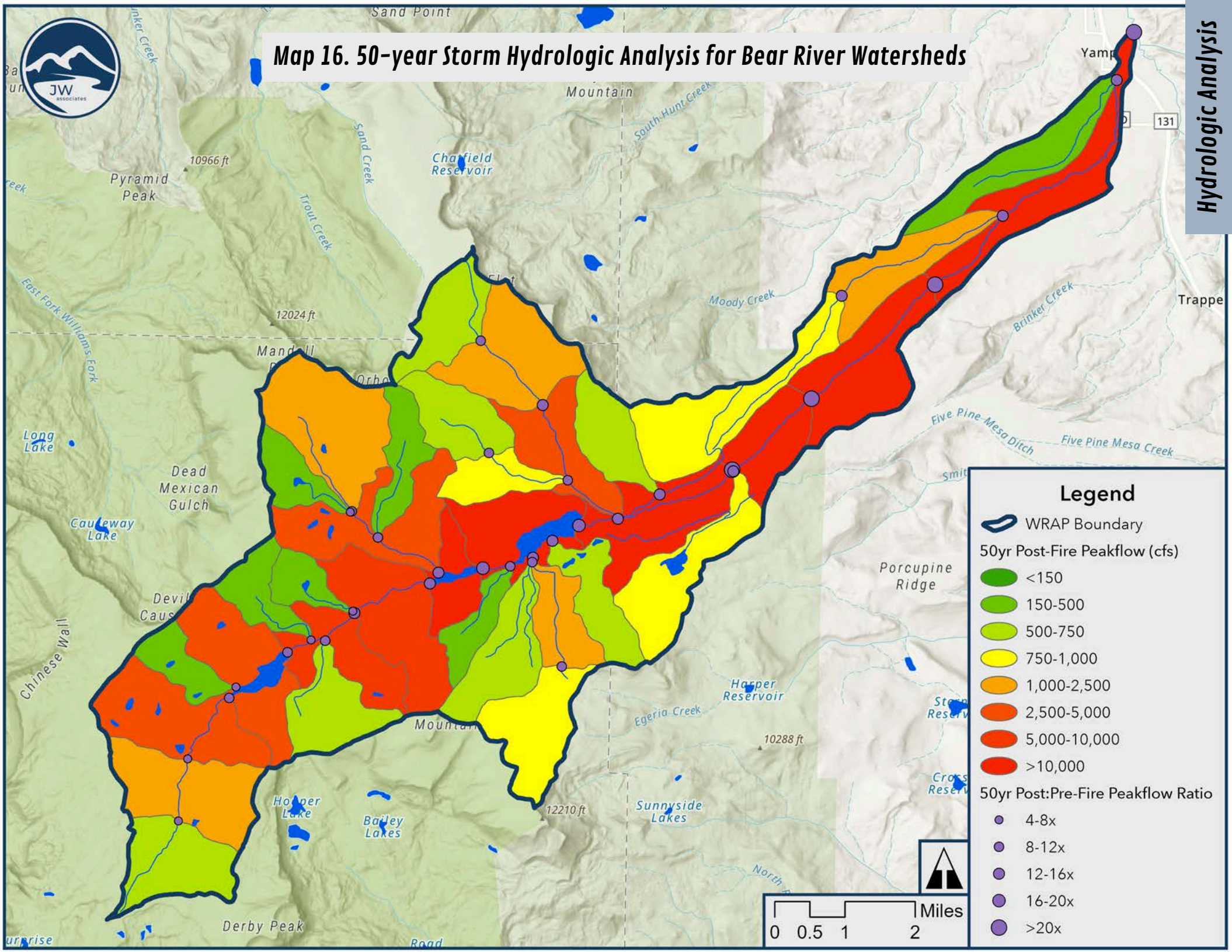

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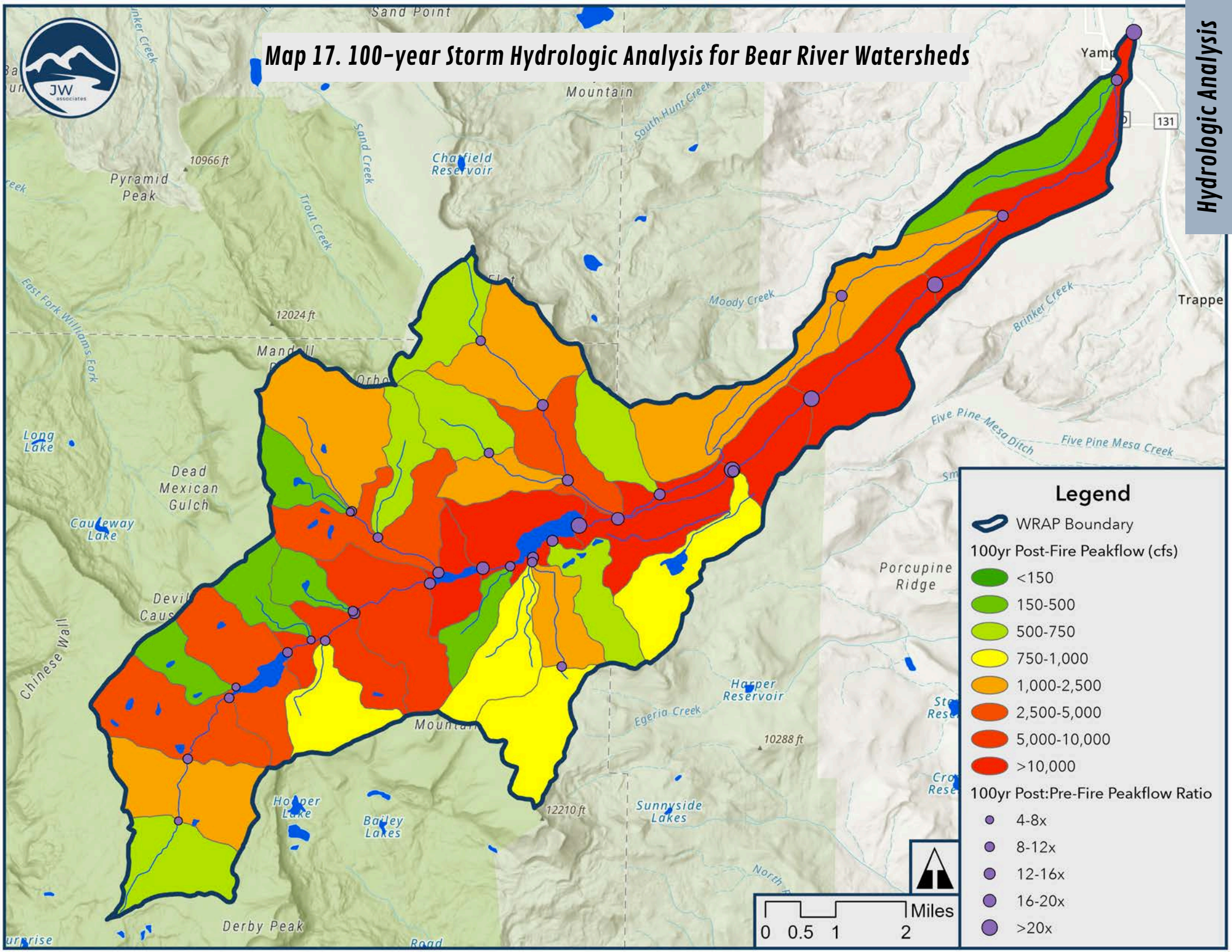
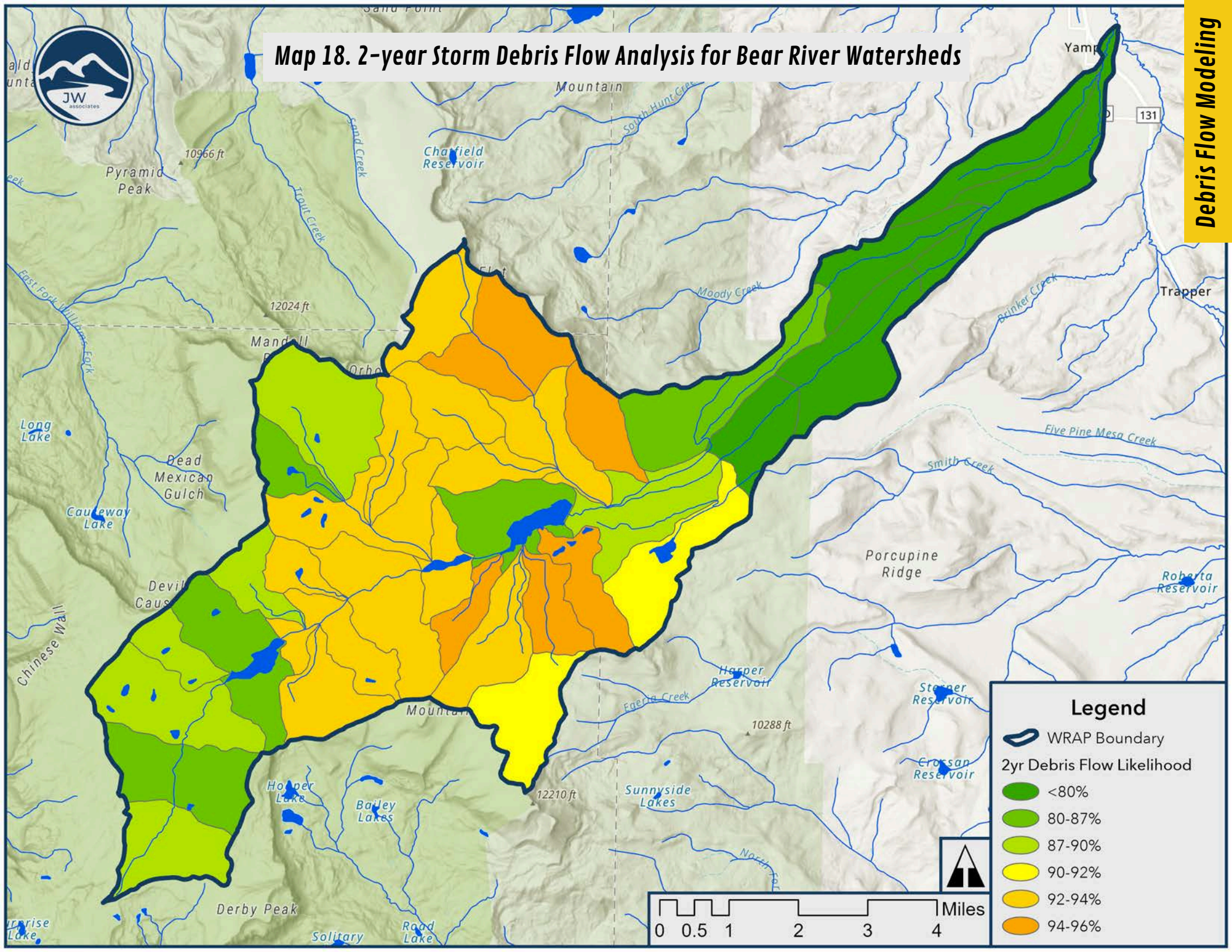


Map 18. 2-year Storm Debris Flow Analysis for Bear River Watersheds



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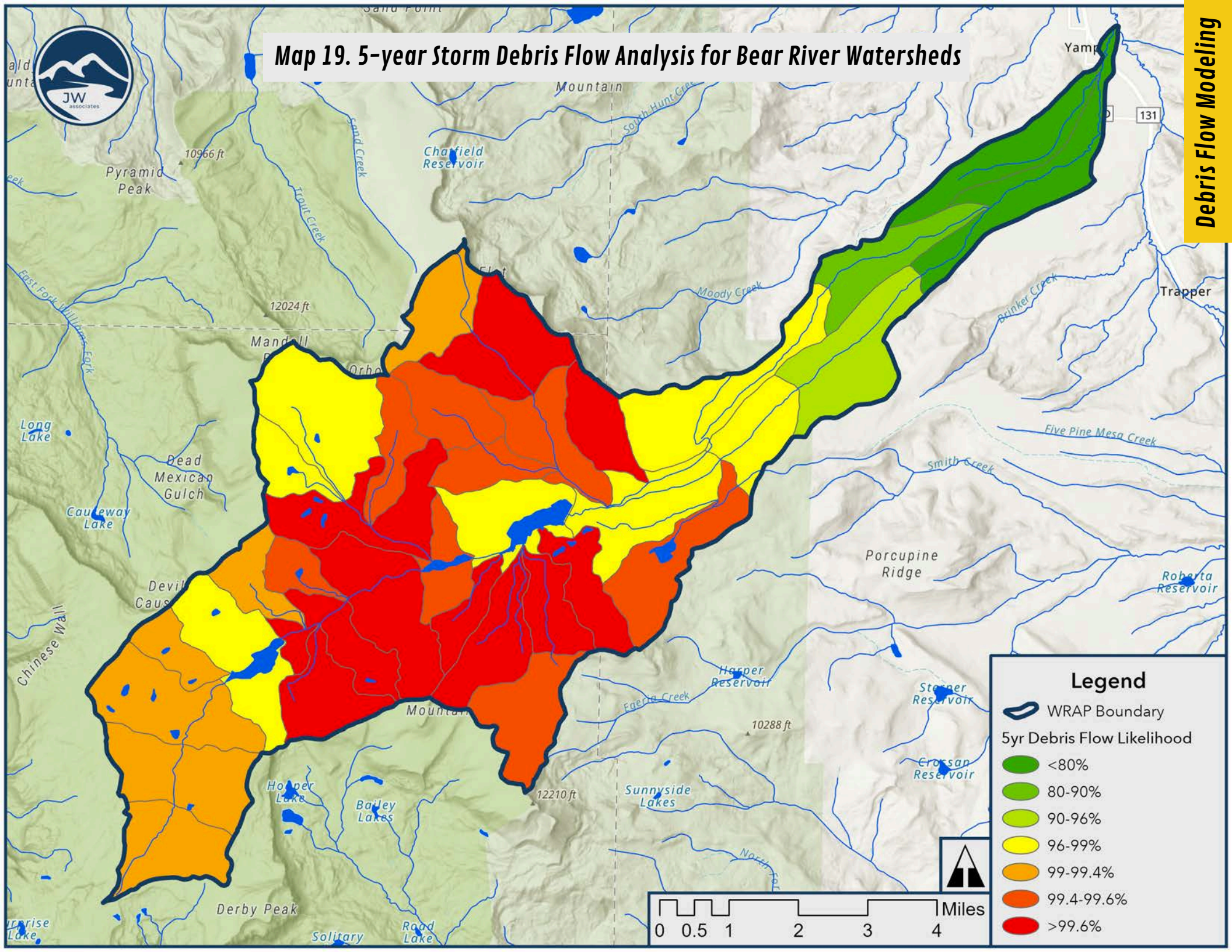
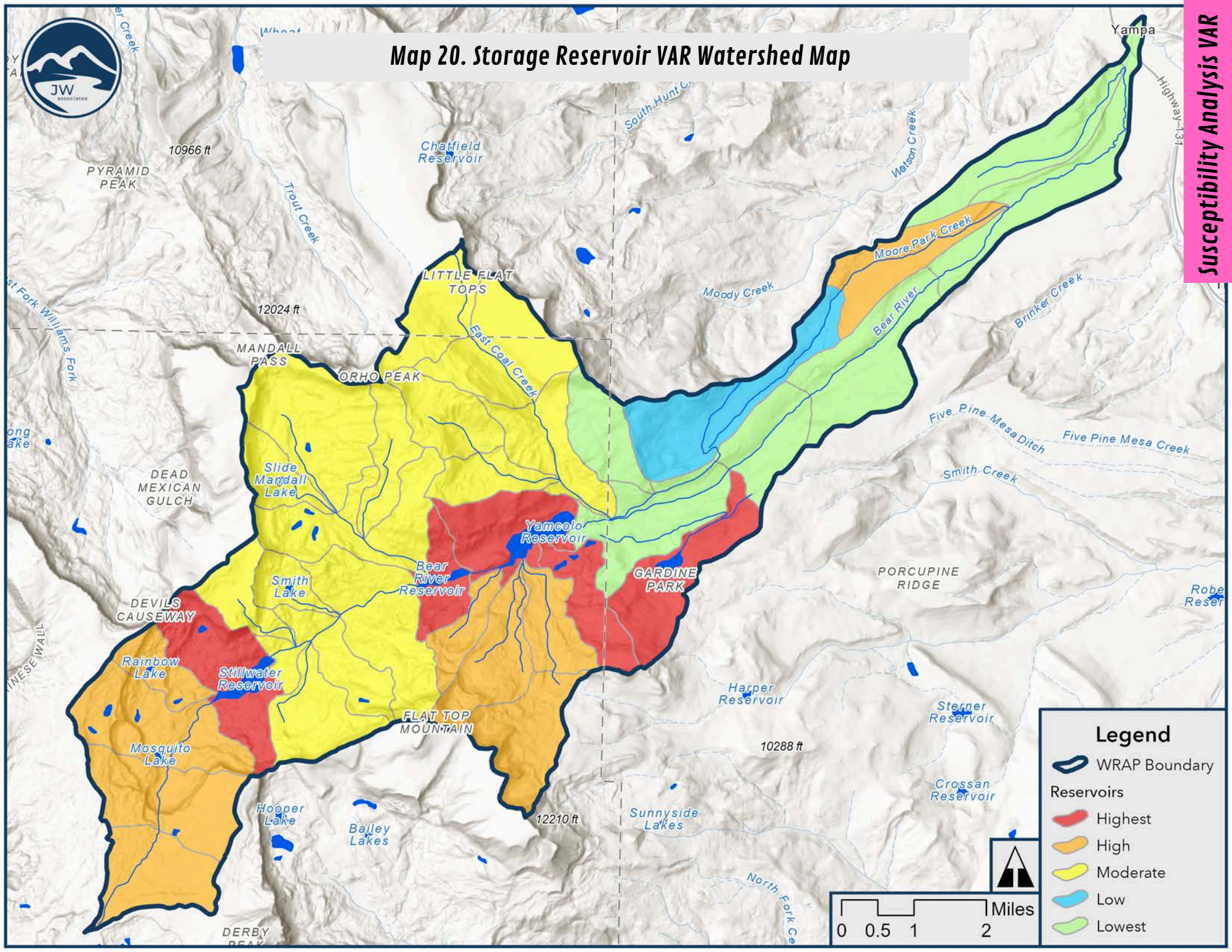


Map 20. Storage Reservoir VAR Watershed Map



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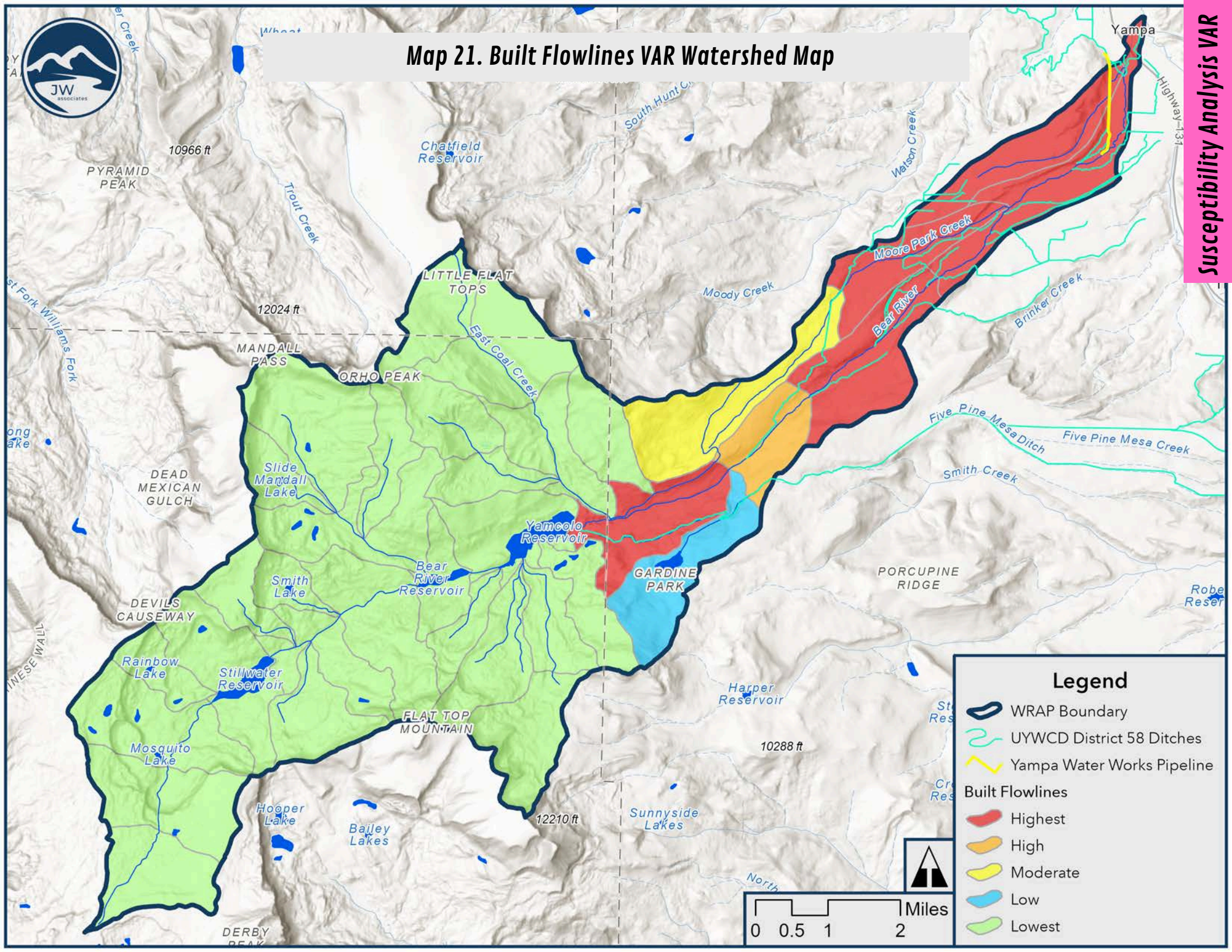

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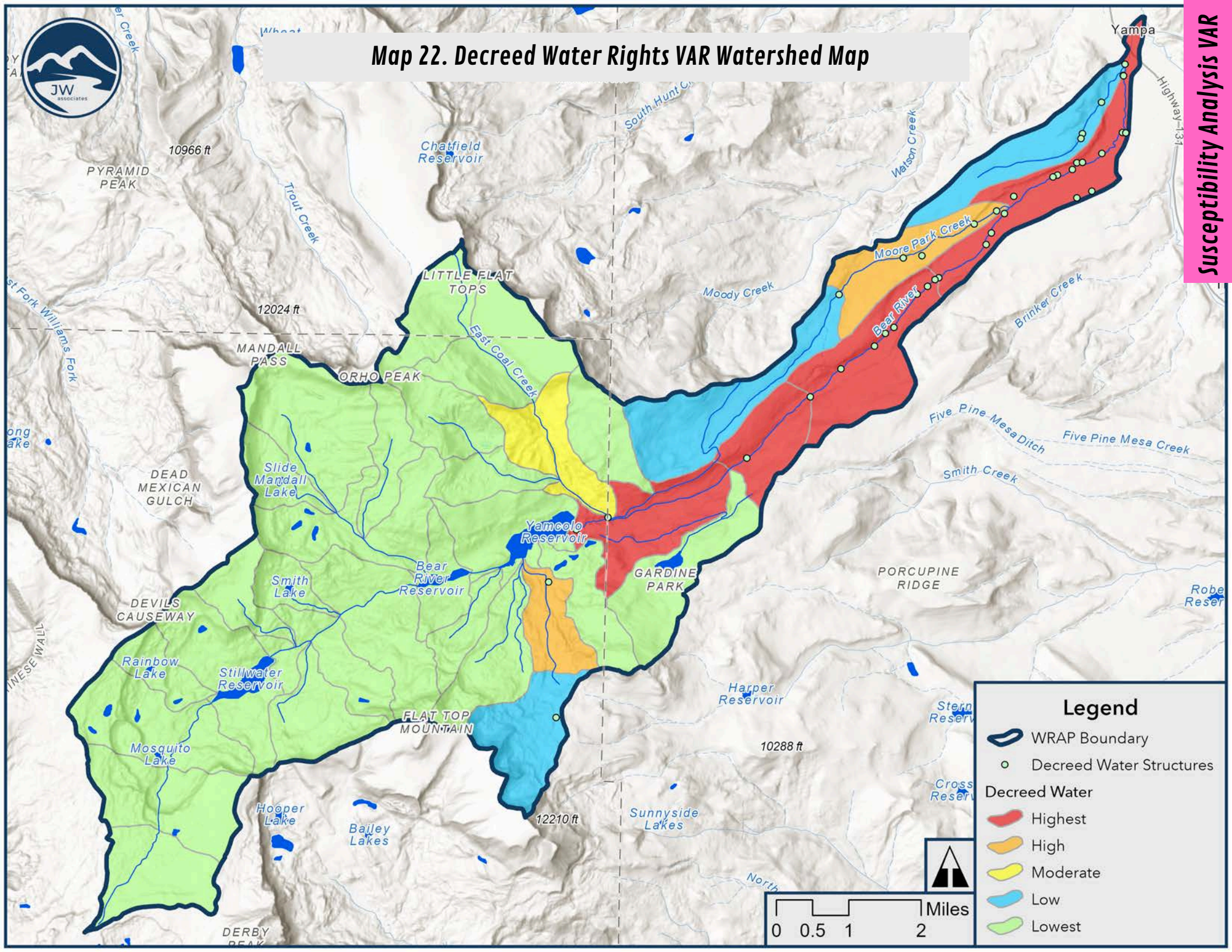

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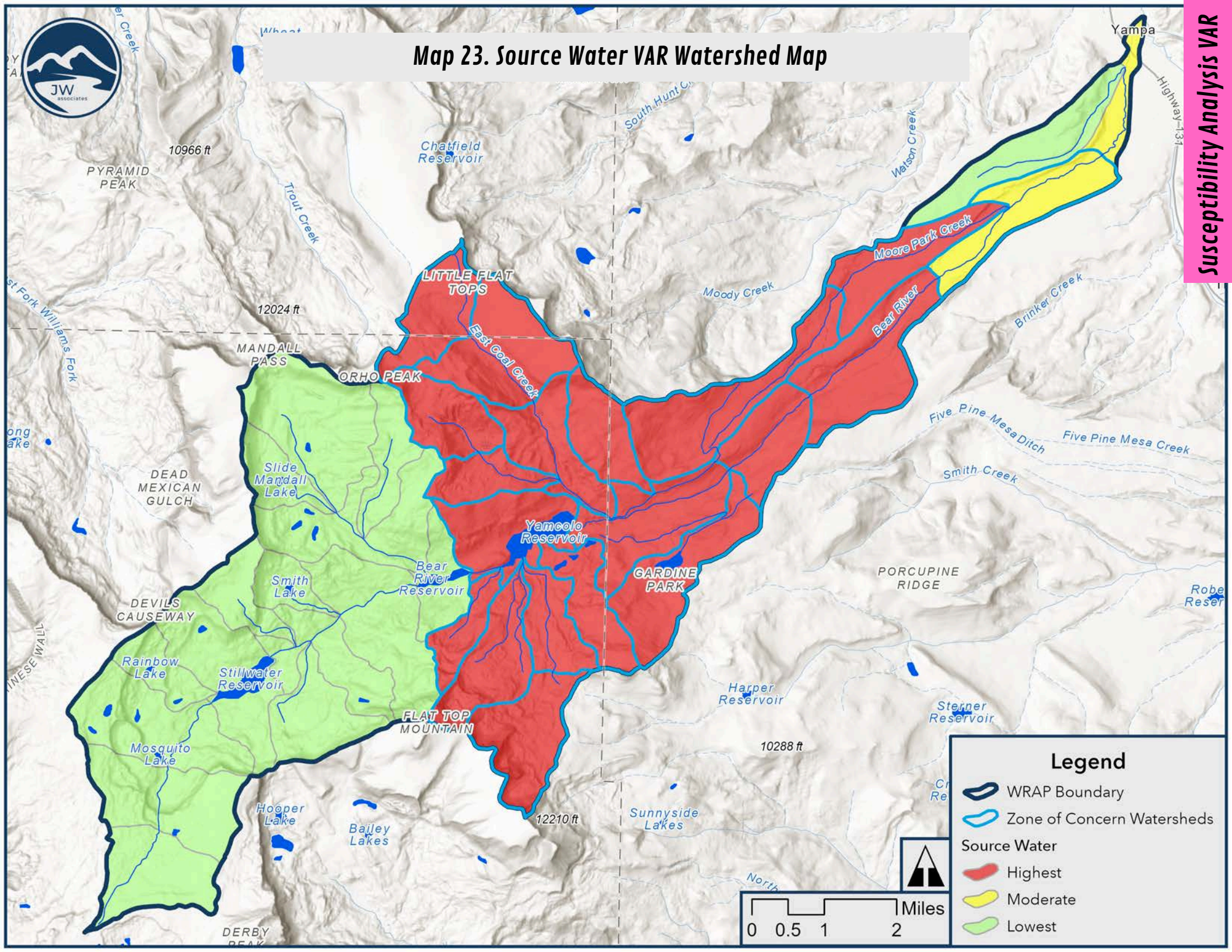

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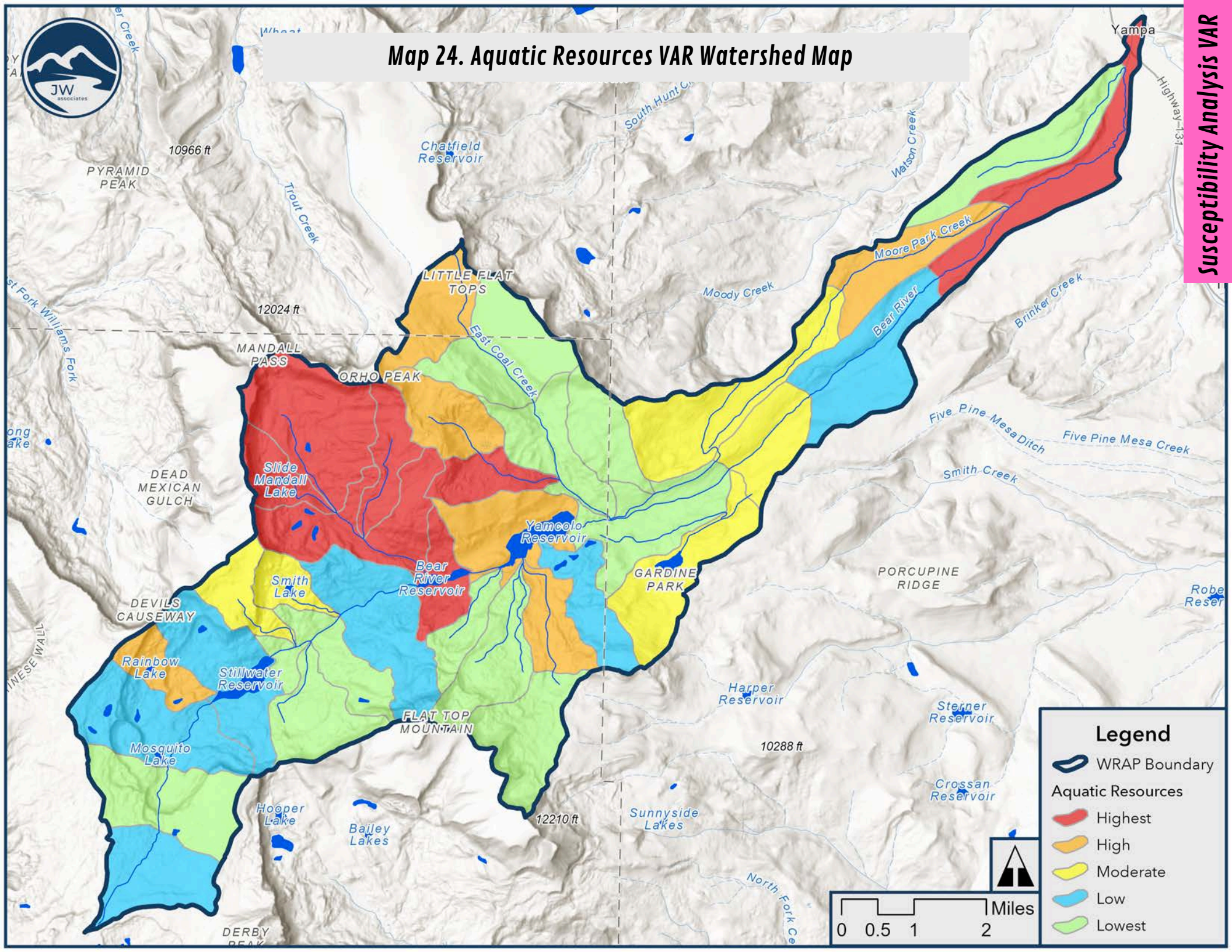

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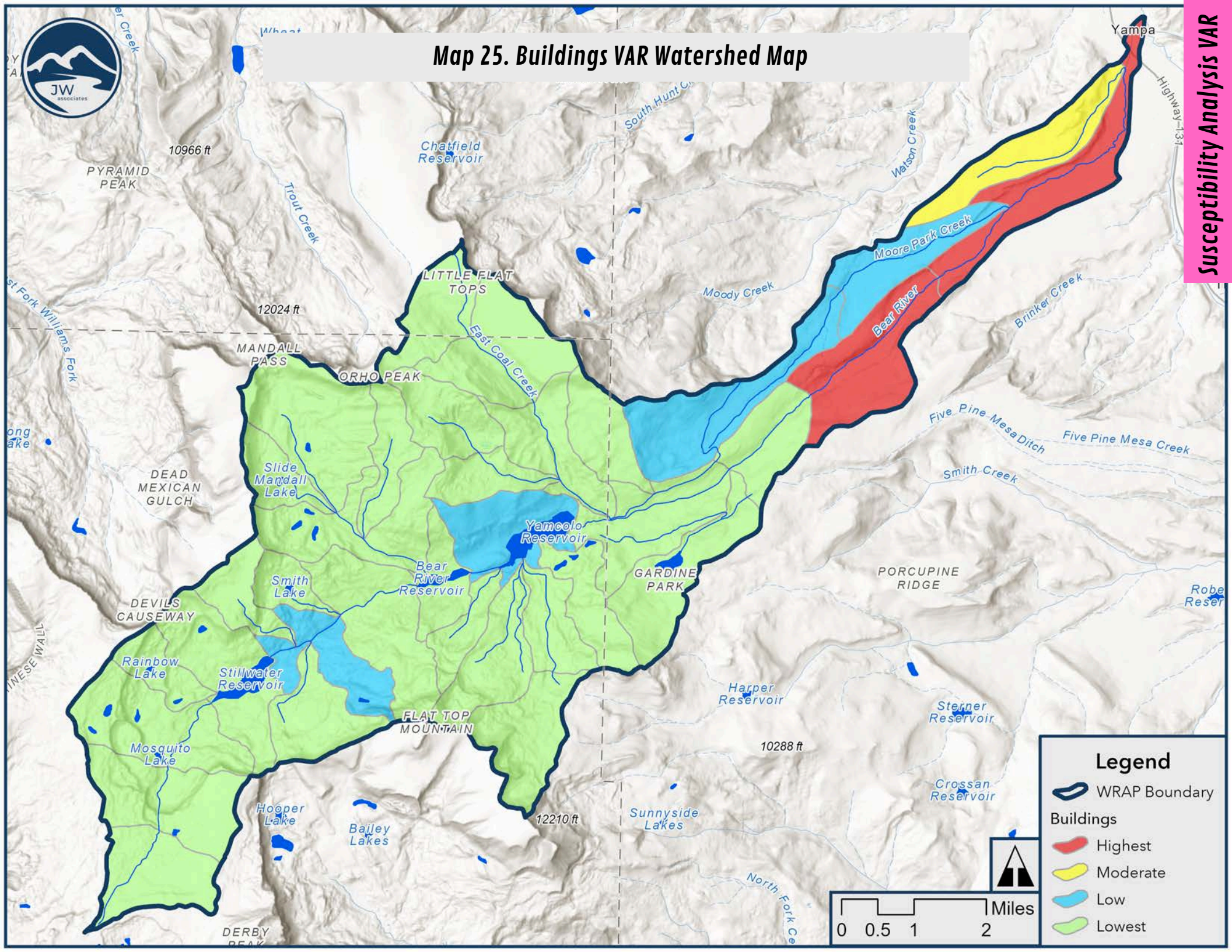

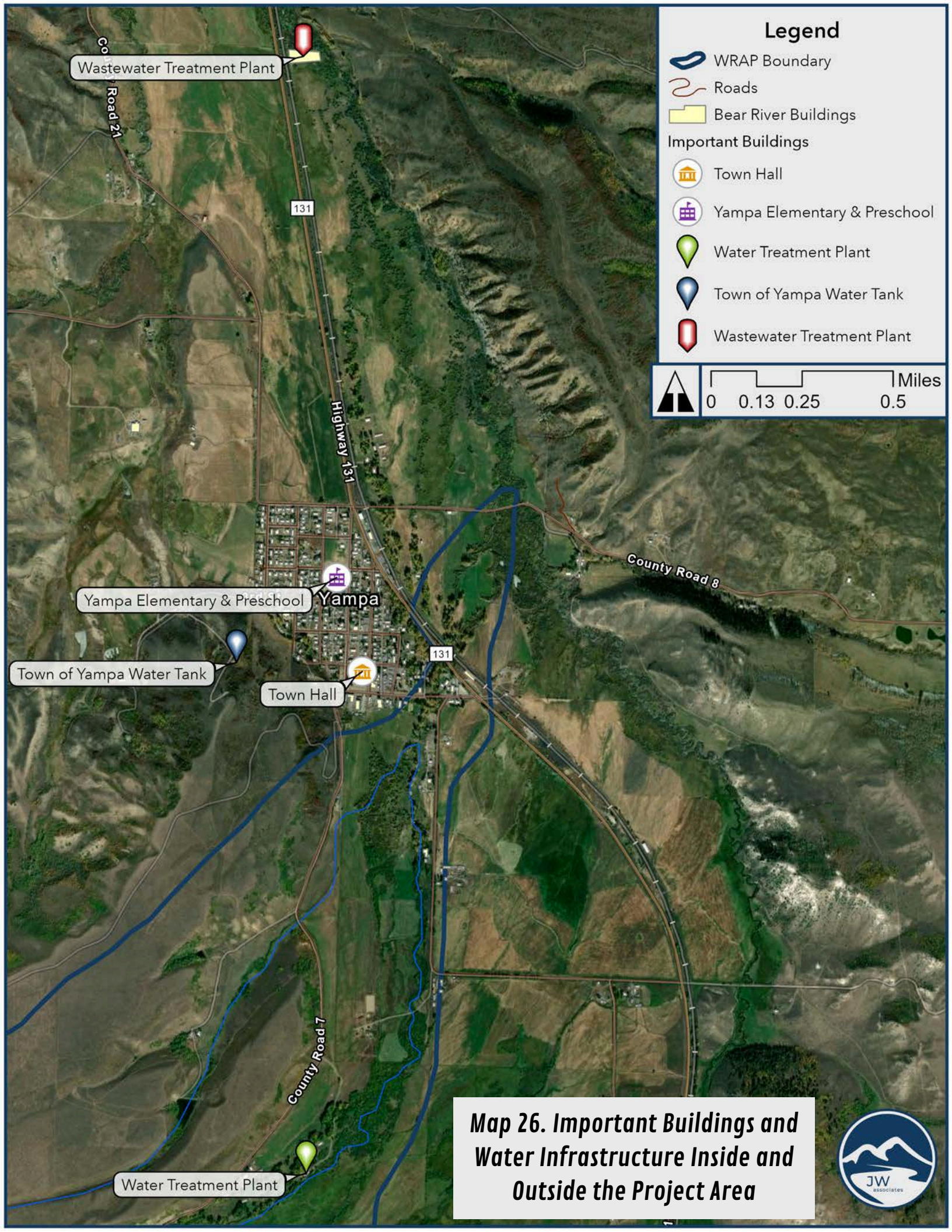

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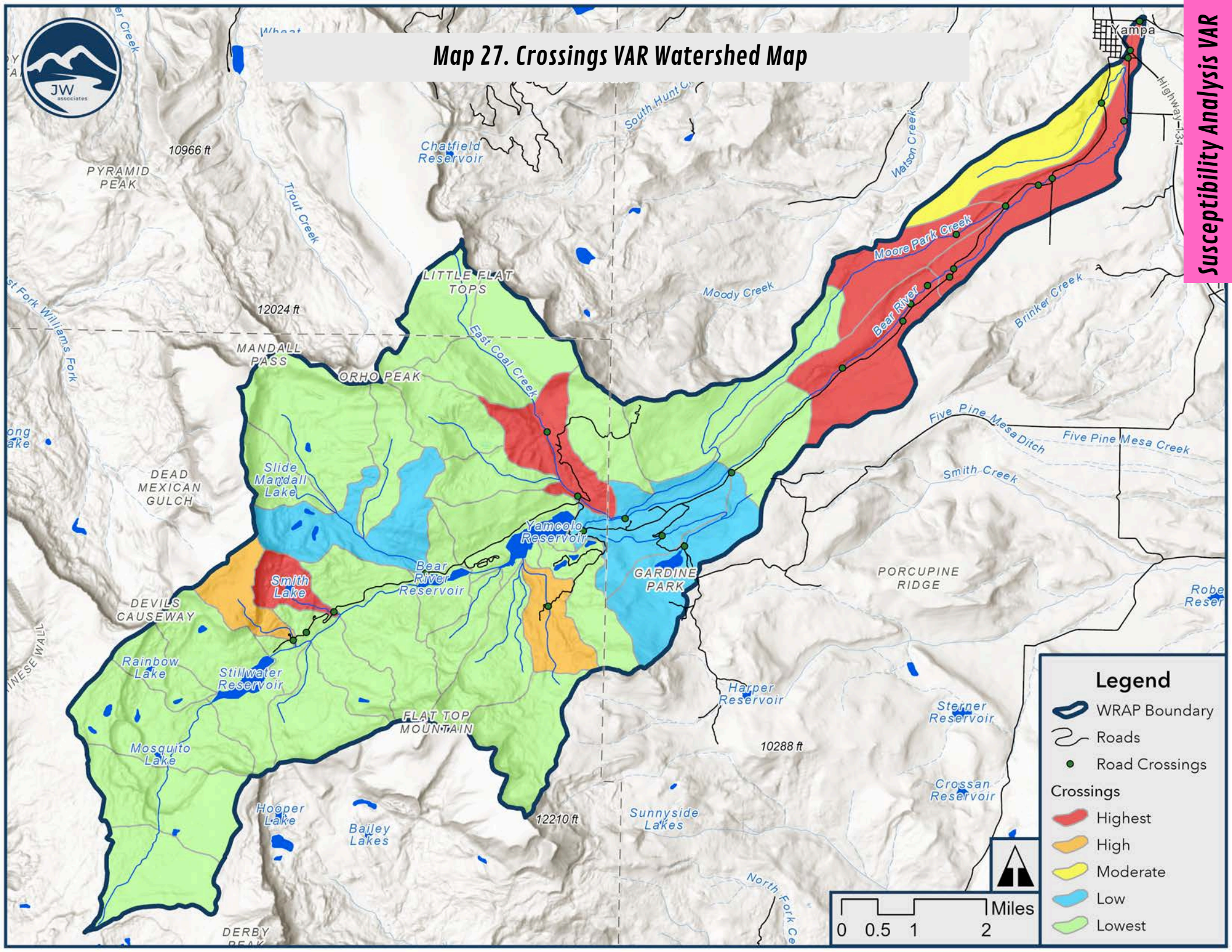

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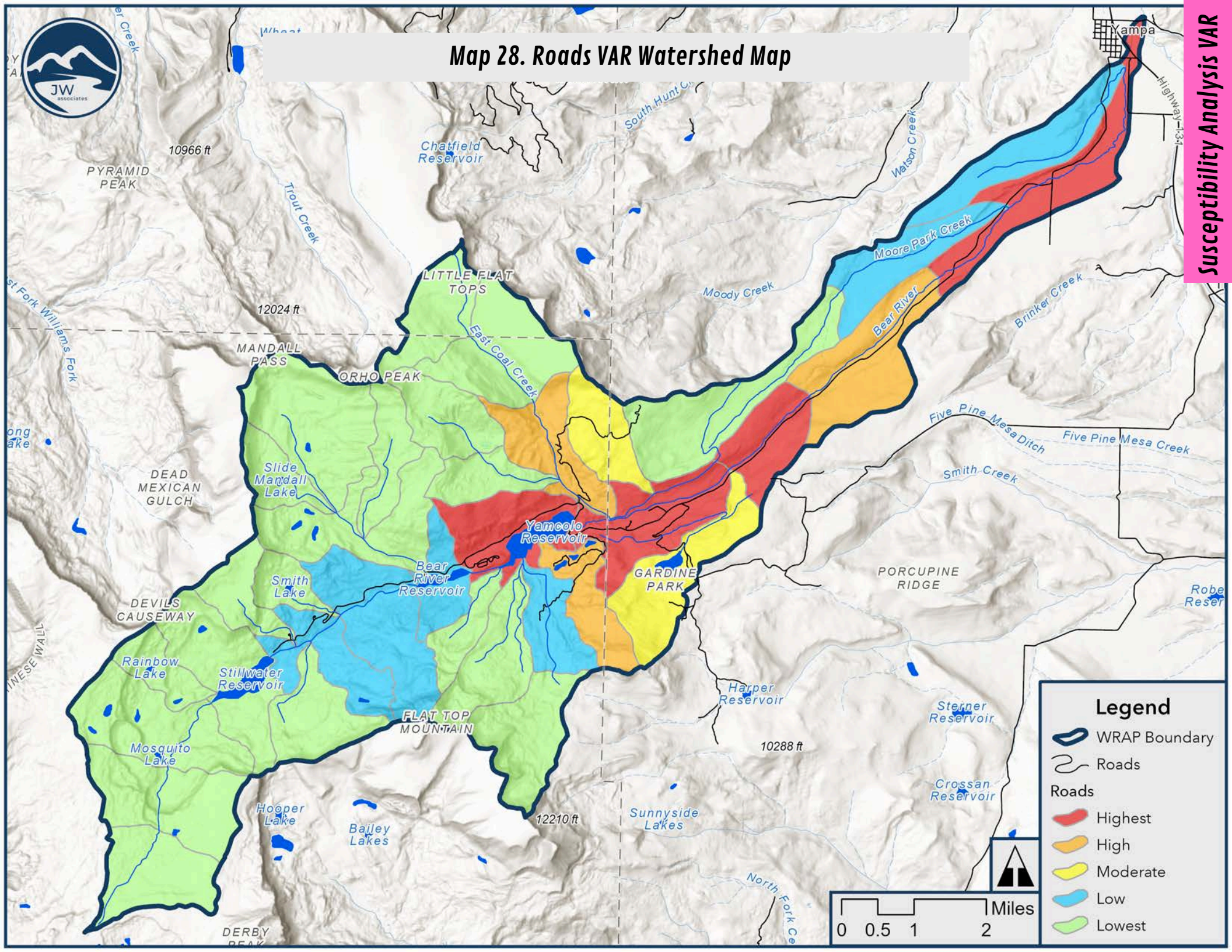
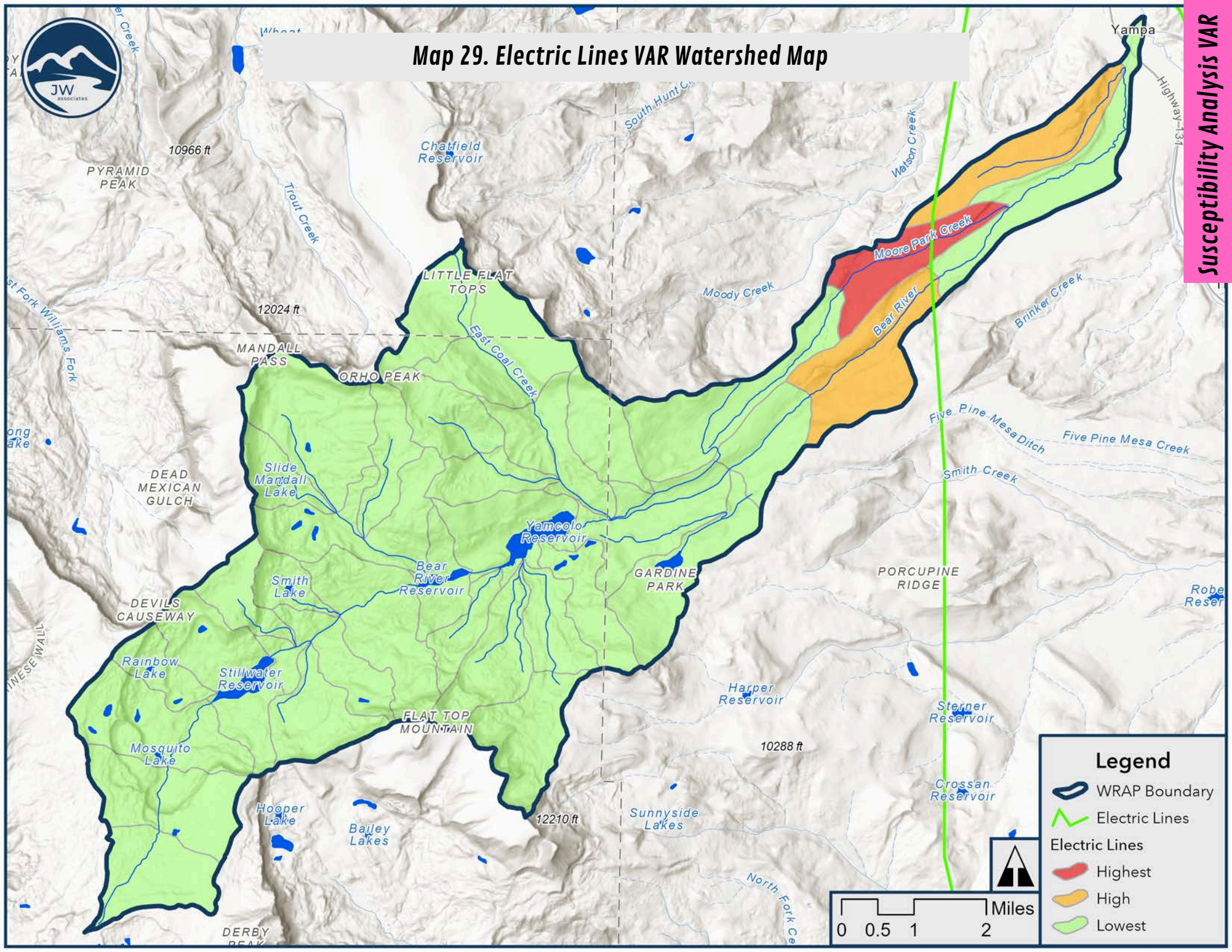


Map 29. Electric Lines VAR Watershed Map



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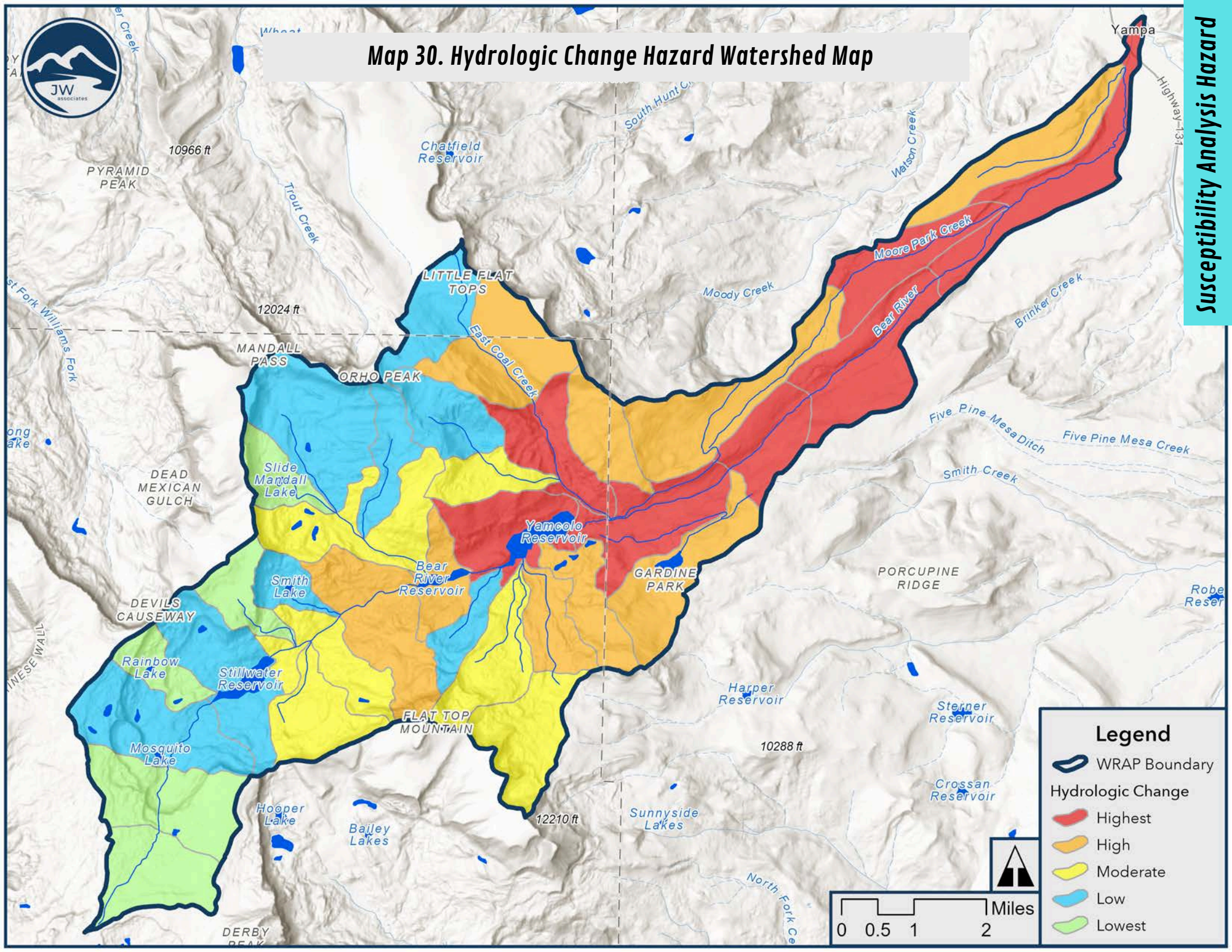

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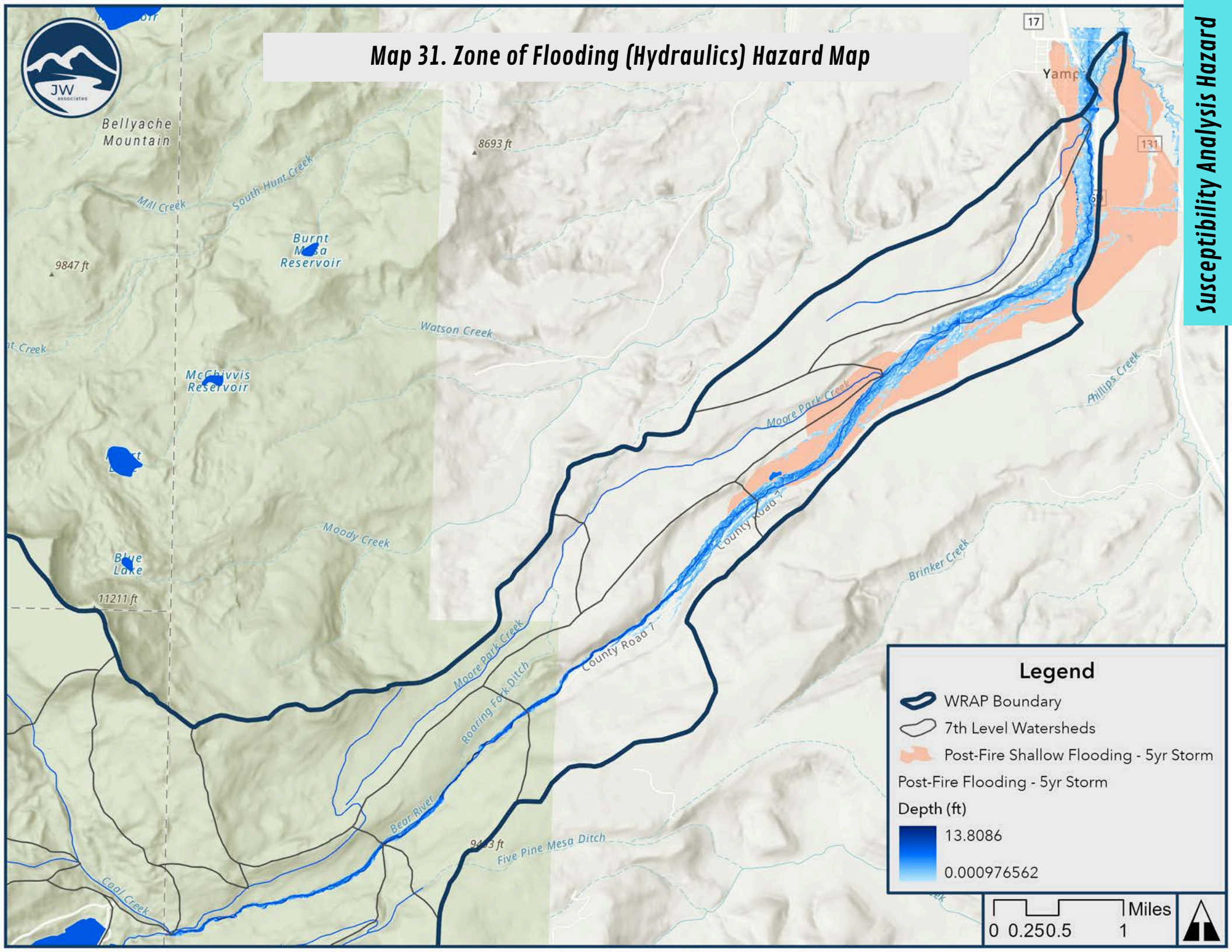

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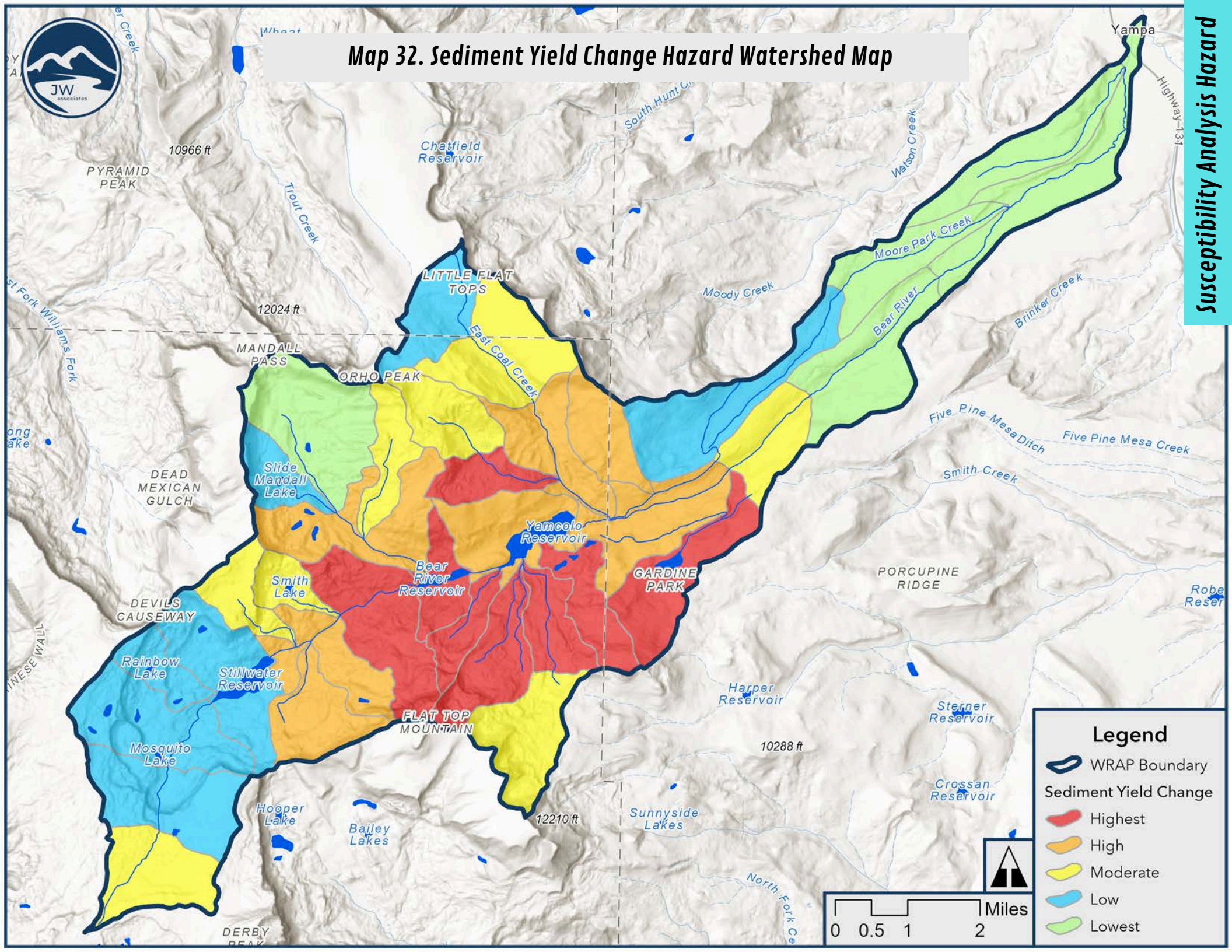

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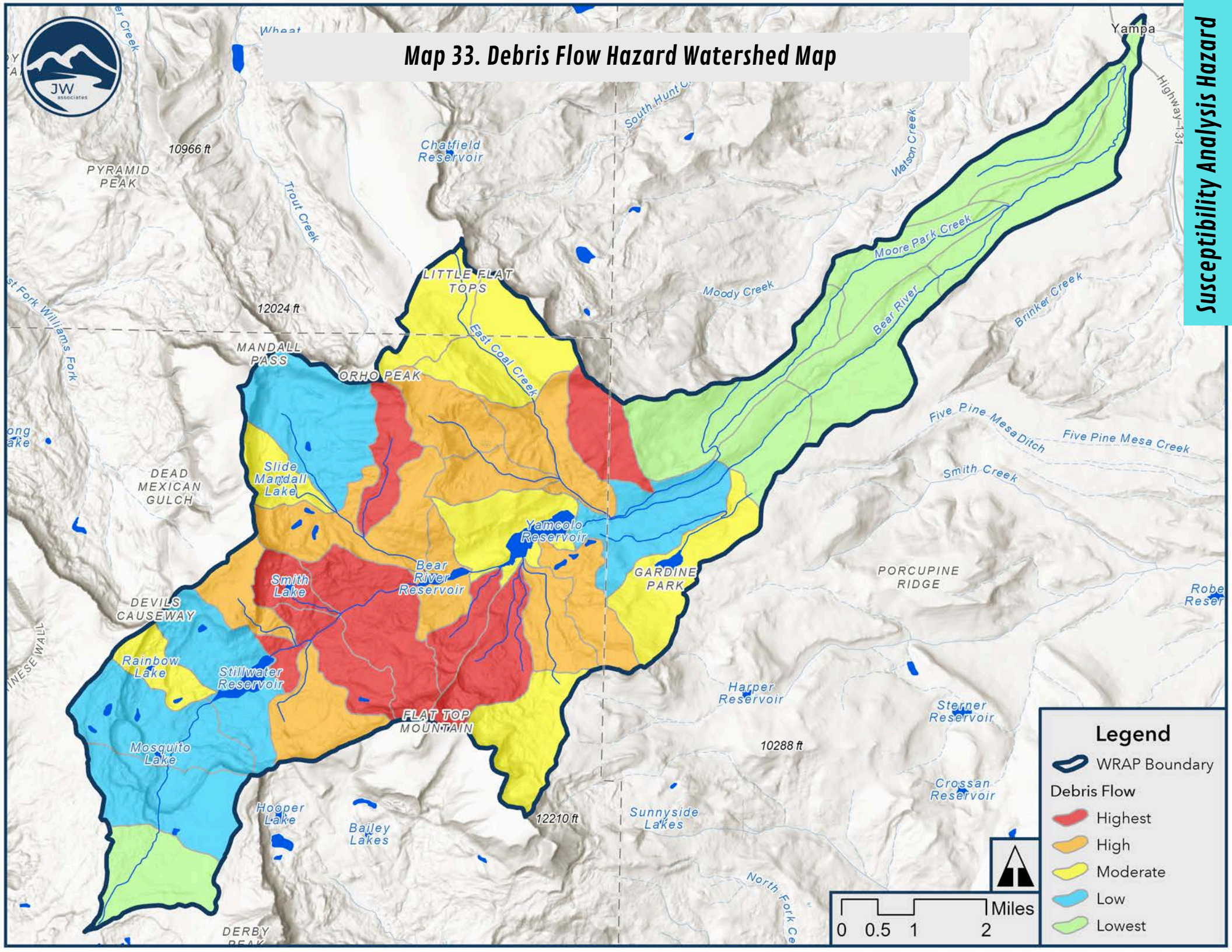

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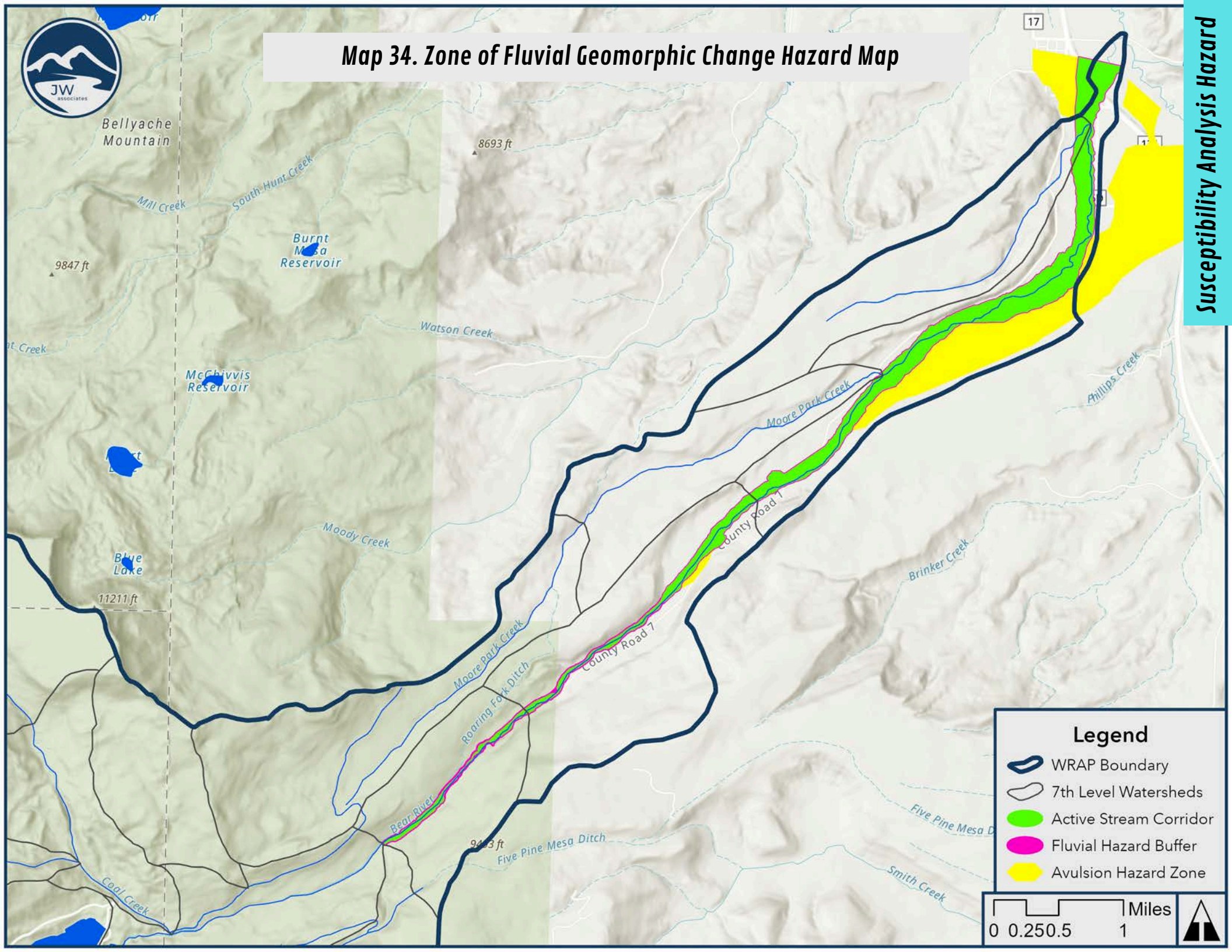

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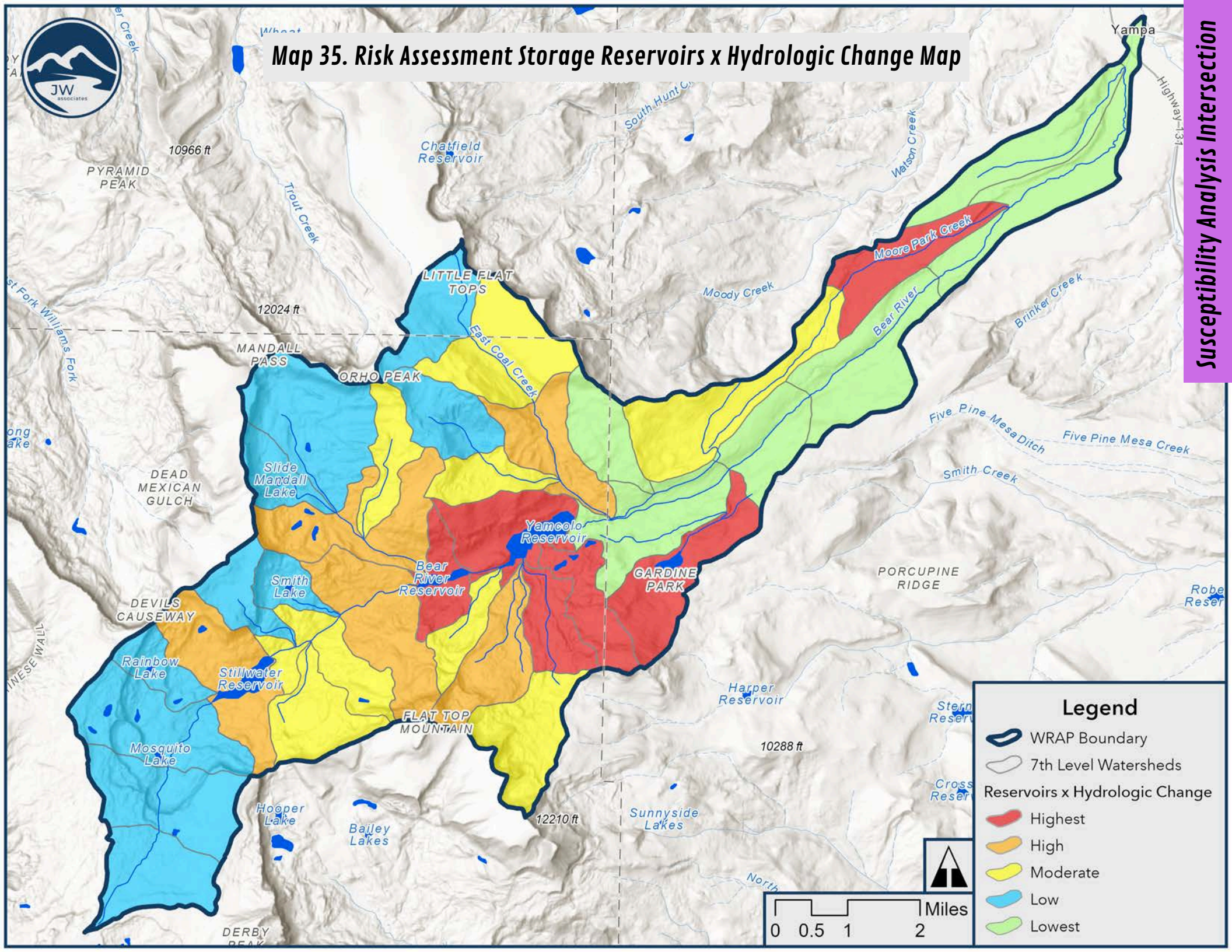
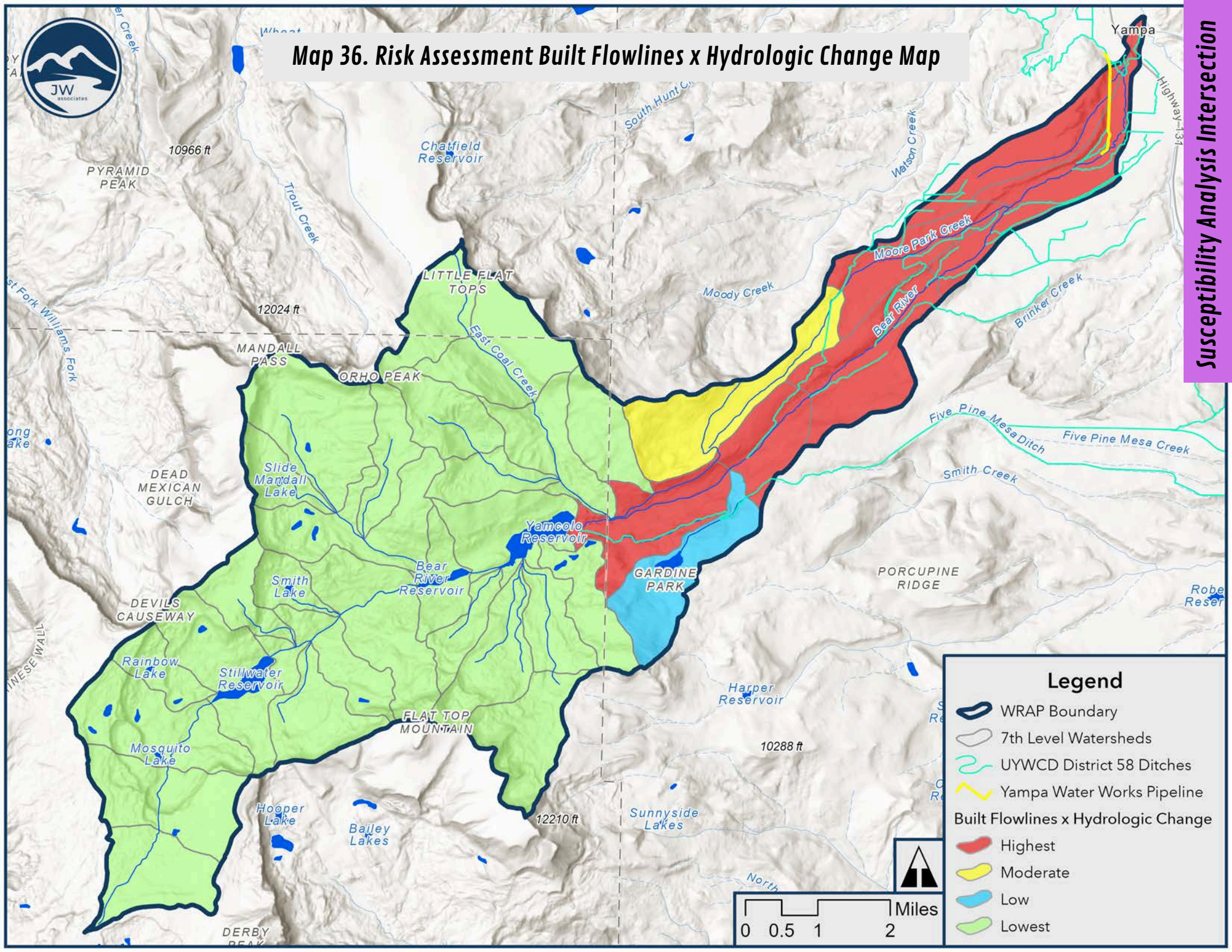
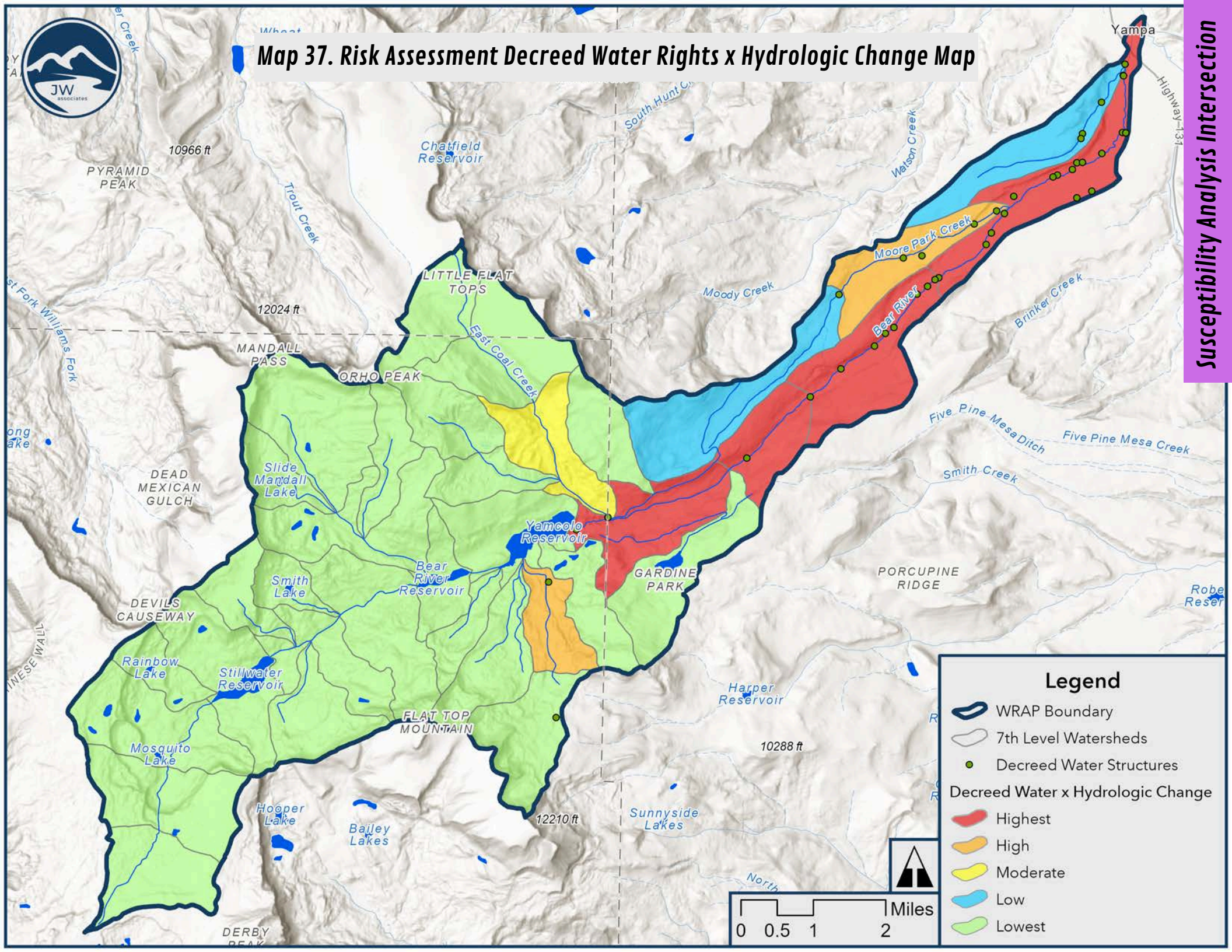


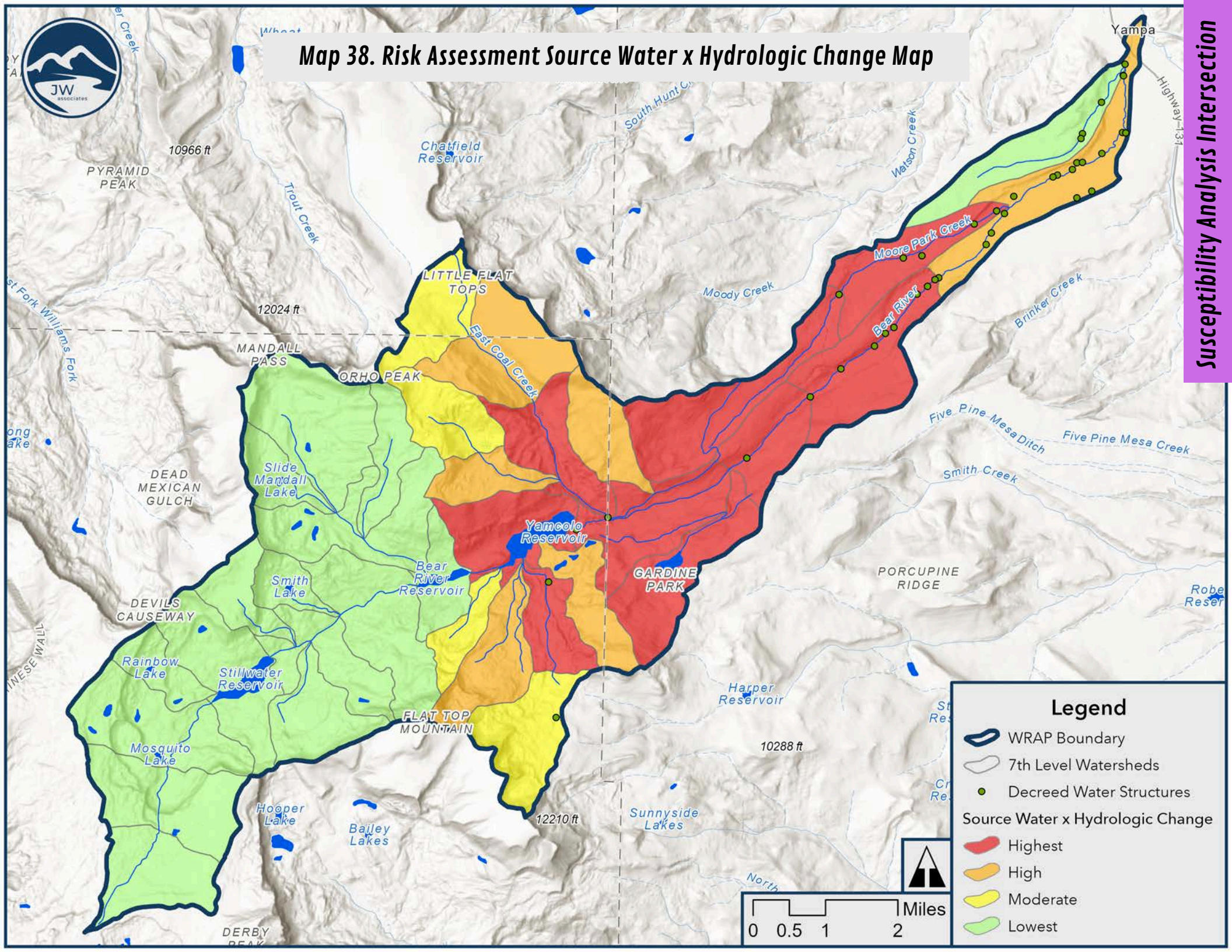
Map 36. Risk Assessment Built Flowlines x Hydrologic Change Map



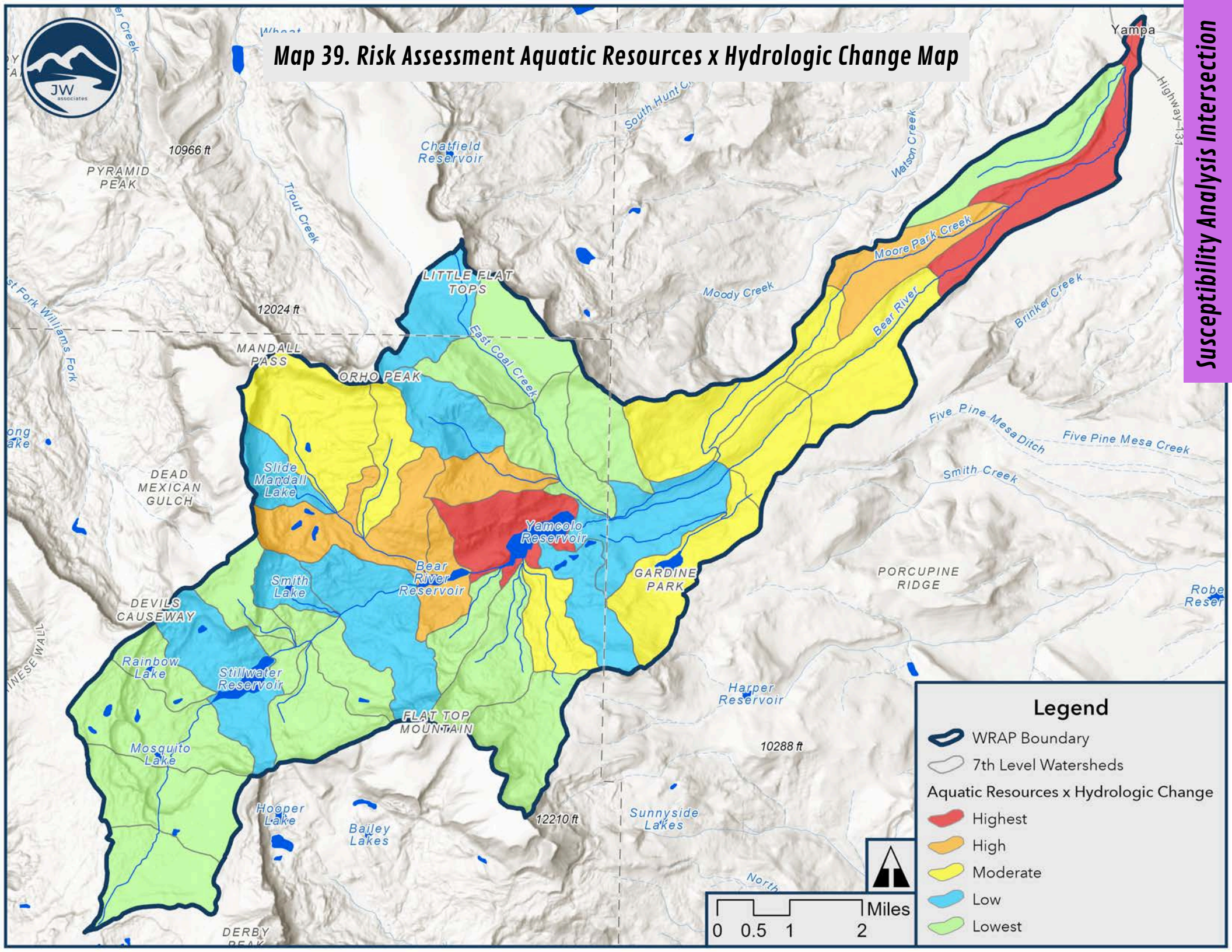
Map 37. Risk Assessment Decreed Water Rights x Hydrologic Change Map



Map 38. Risk Assessment Source Water x Hydrologic Change Map



Map 39. Risk Assessment Aquatic Resources x Hydrologic Change Map



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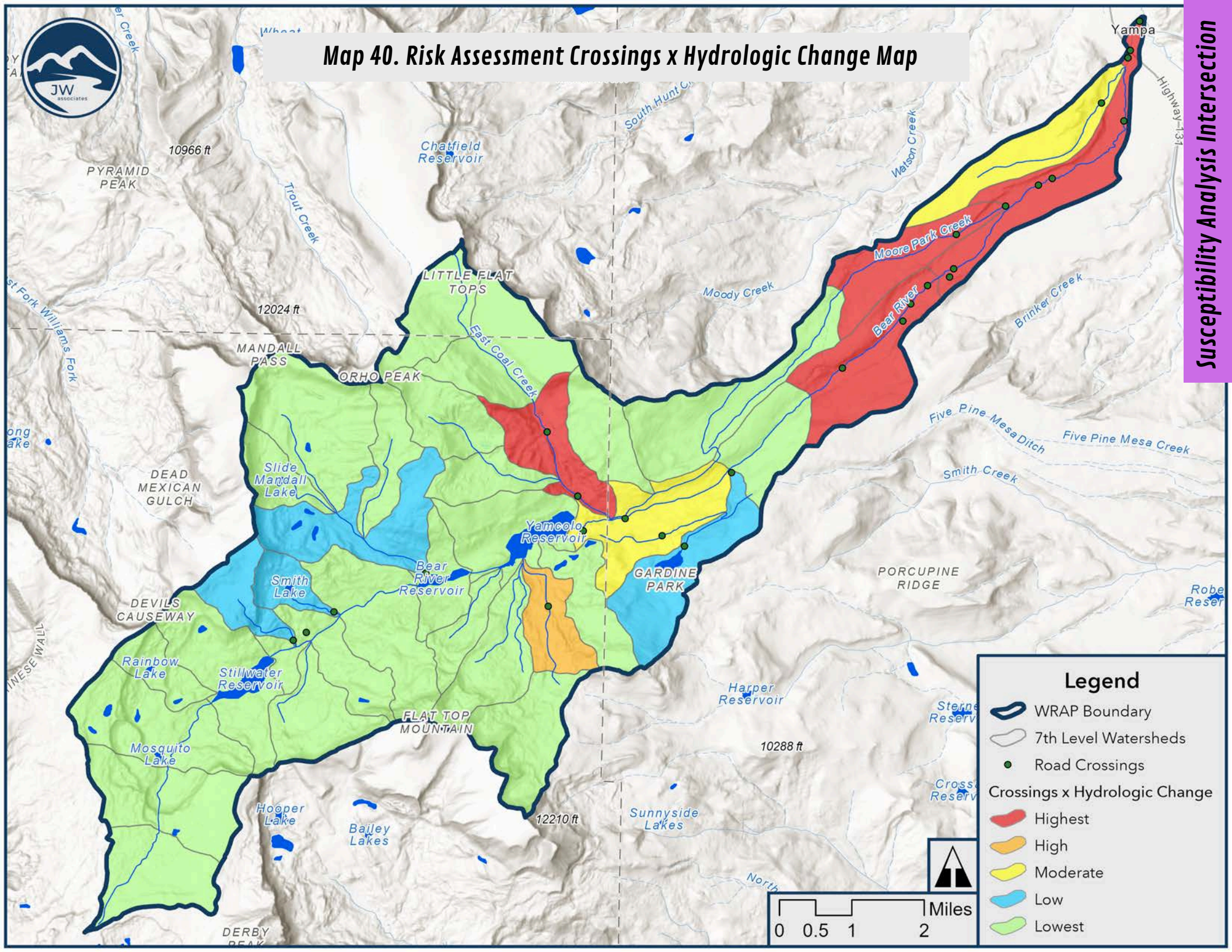
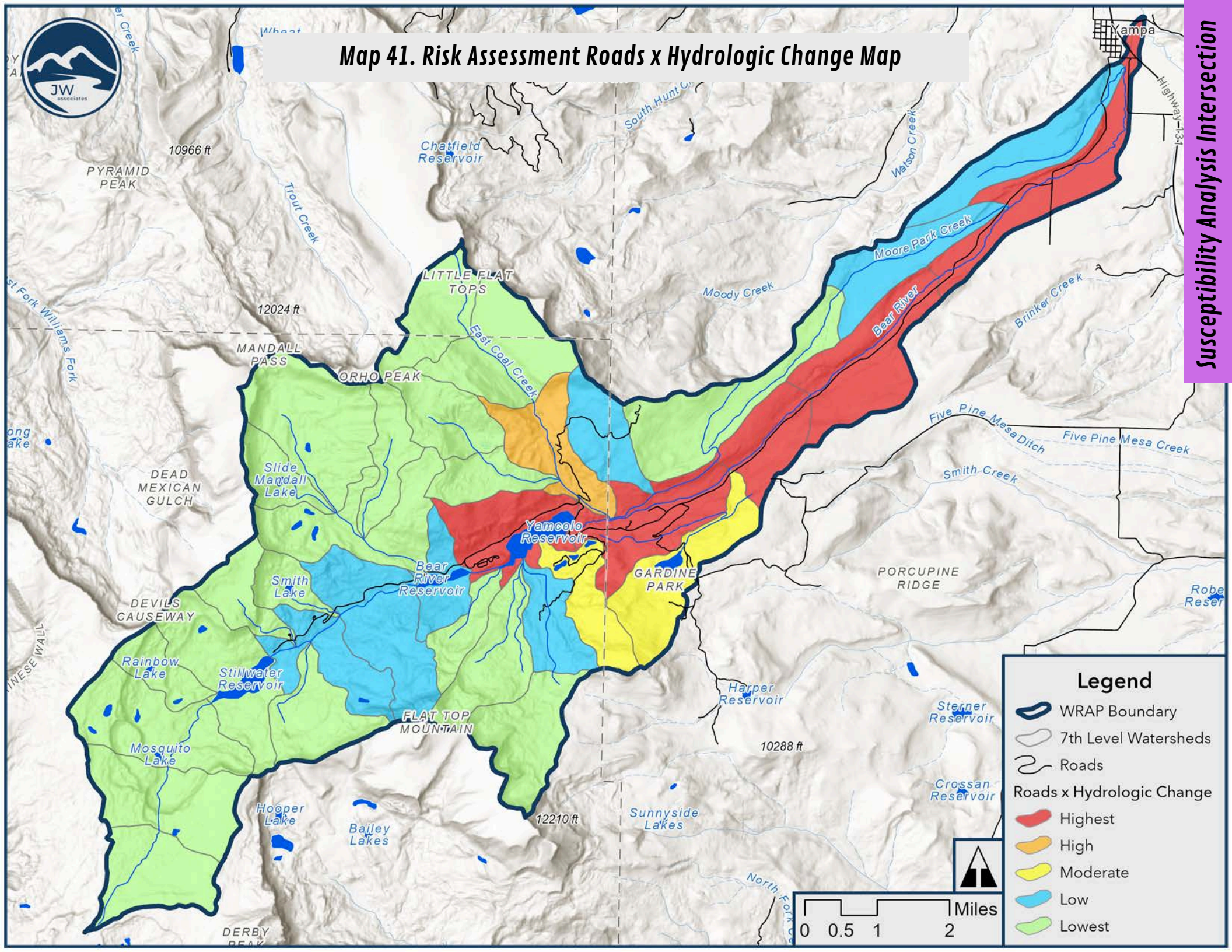


Map 41. Risk Assessment Roads x Hydrologic Change Map



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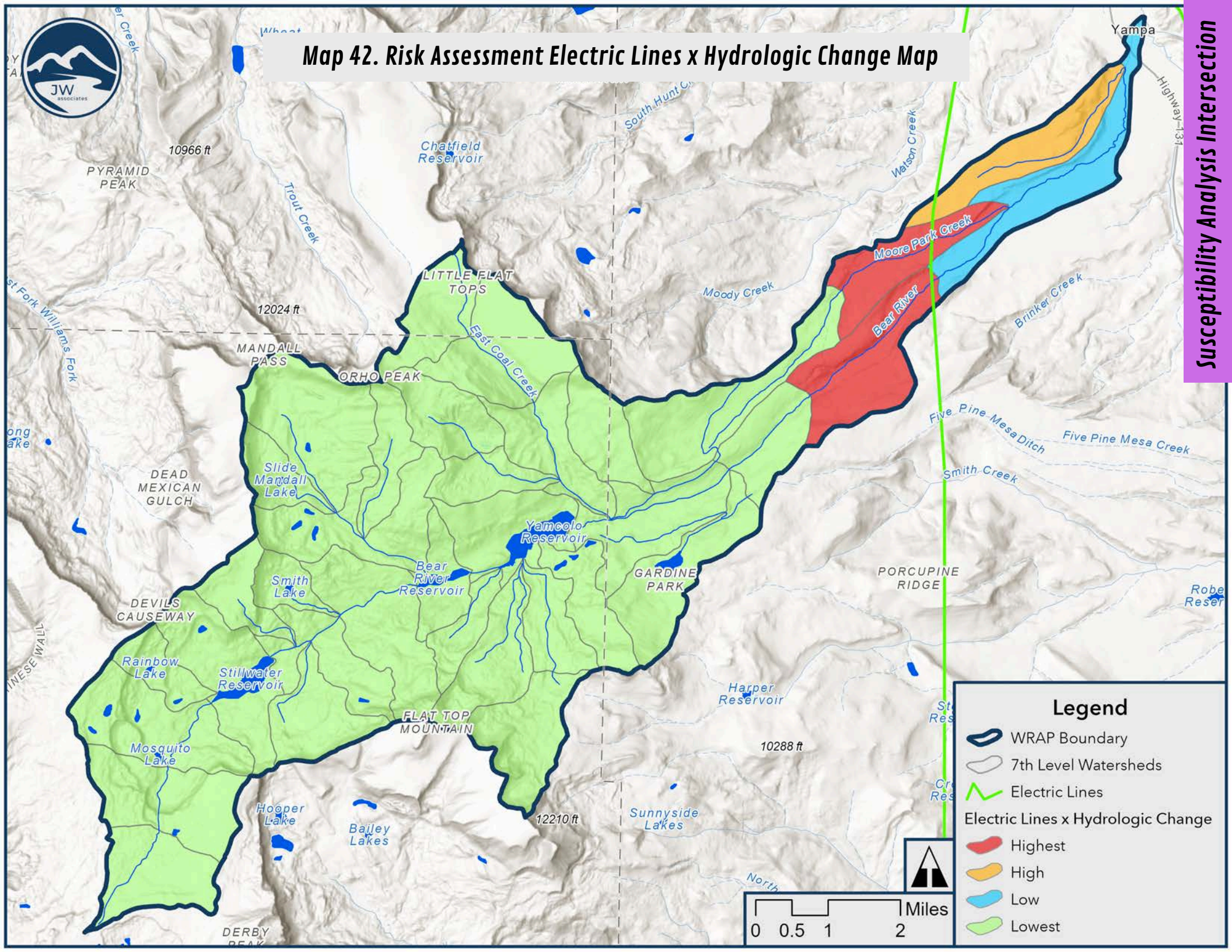
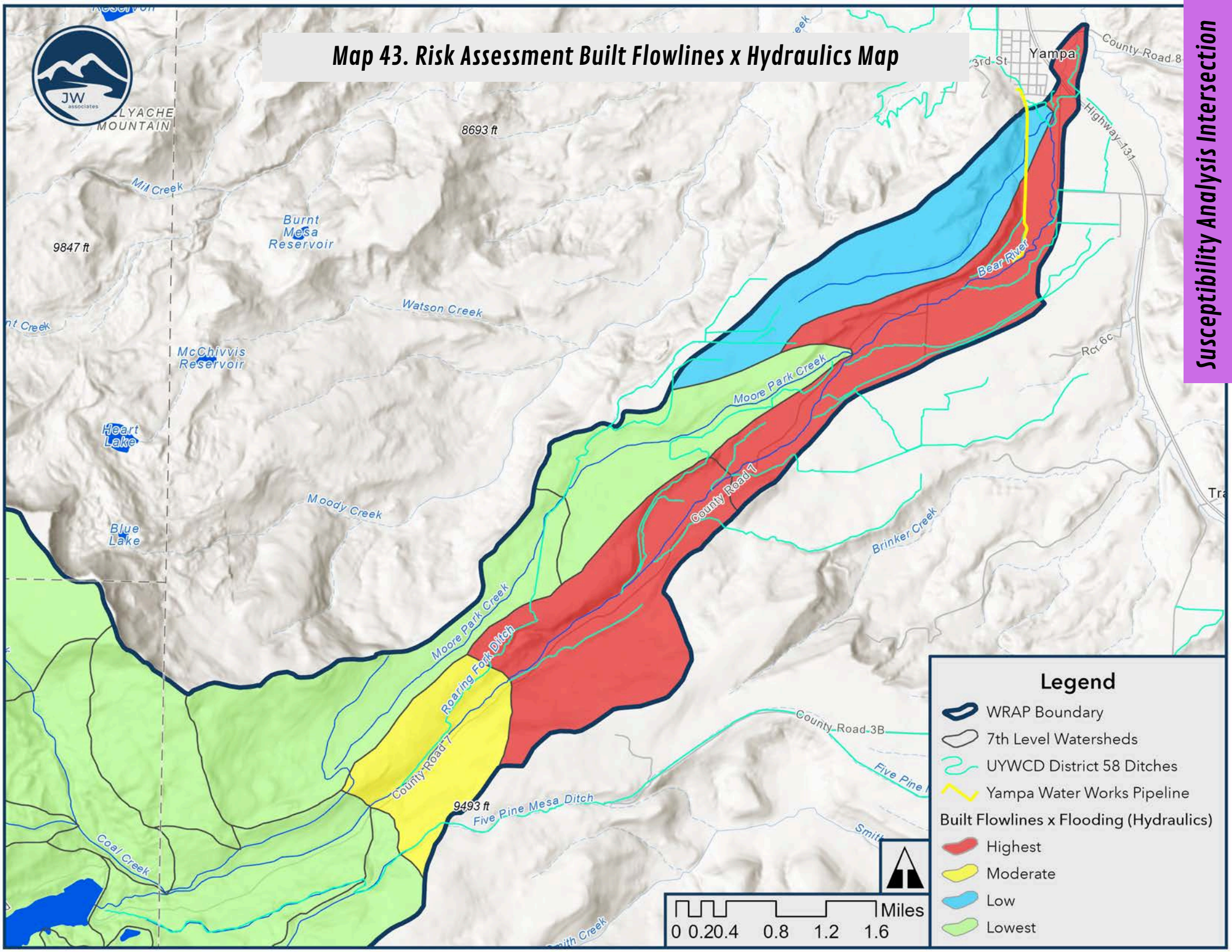


Map 43. Risk Assessment Built Flowlines x Hydraulics Map



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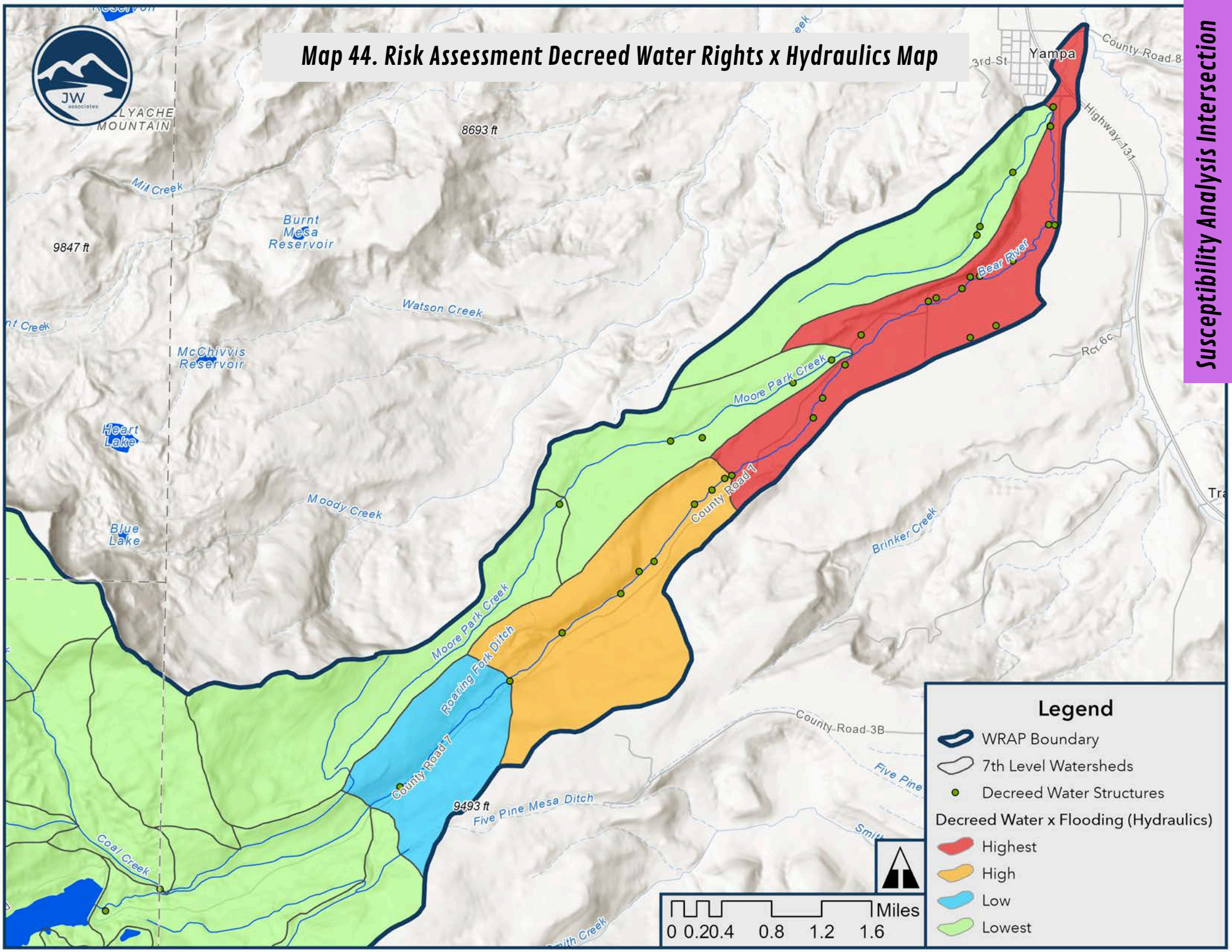

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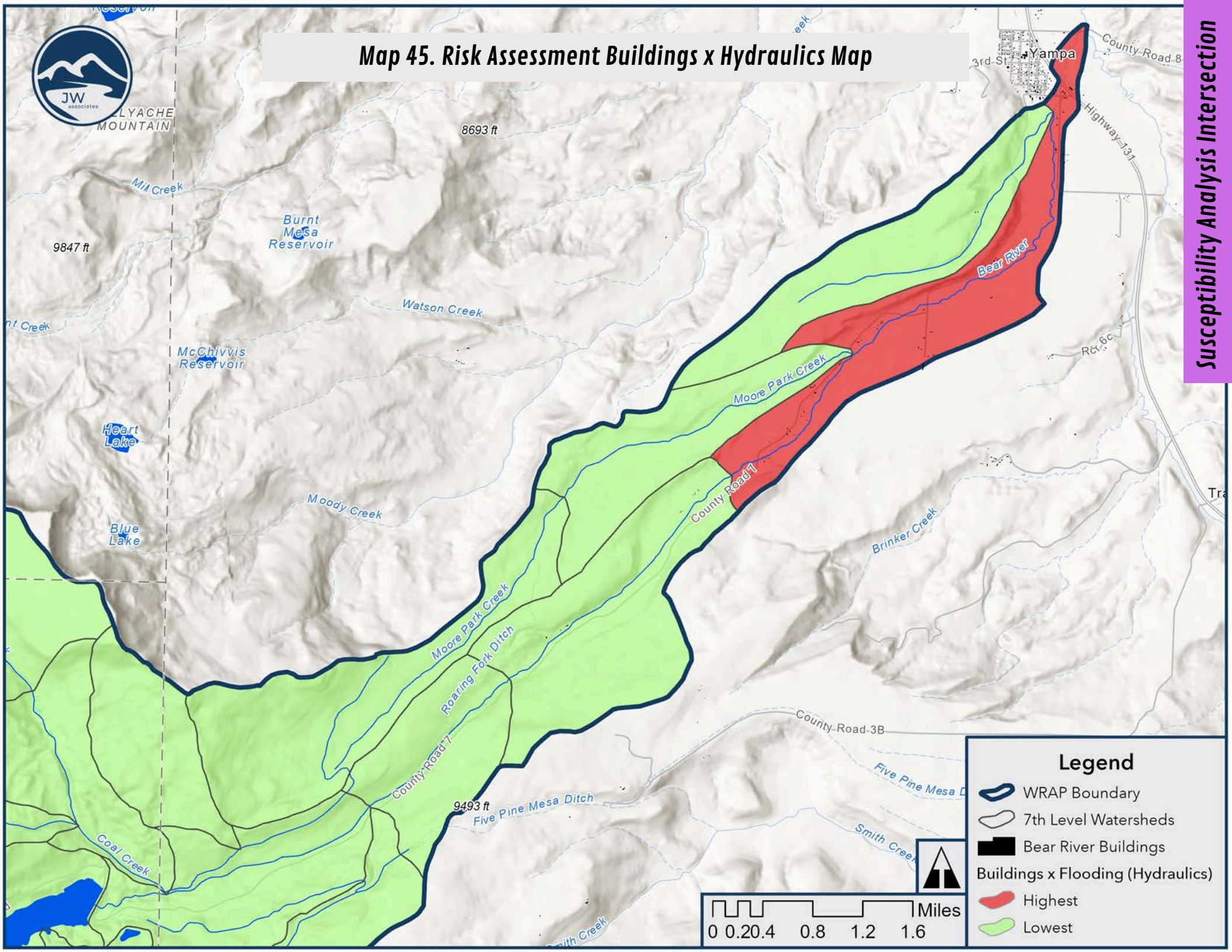

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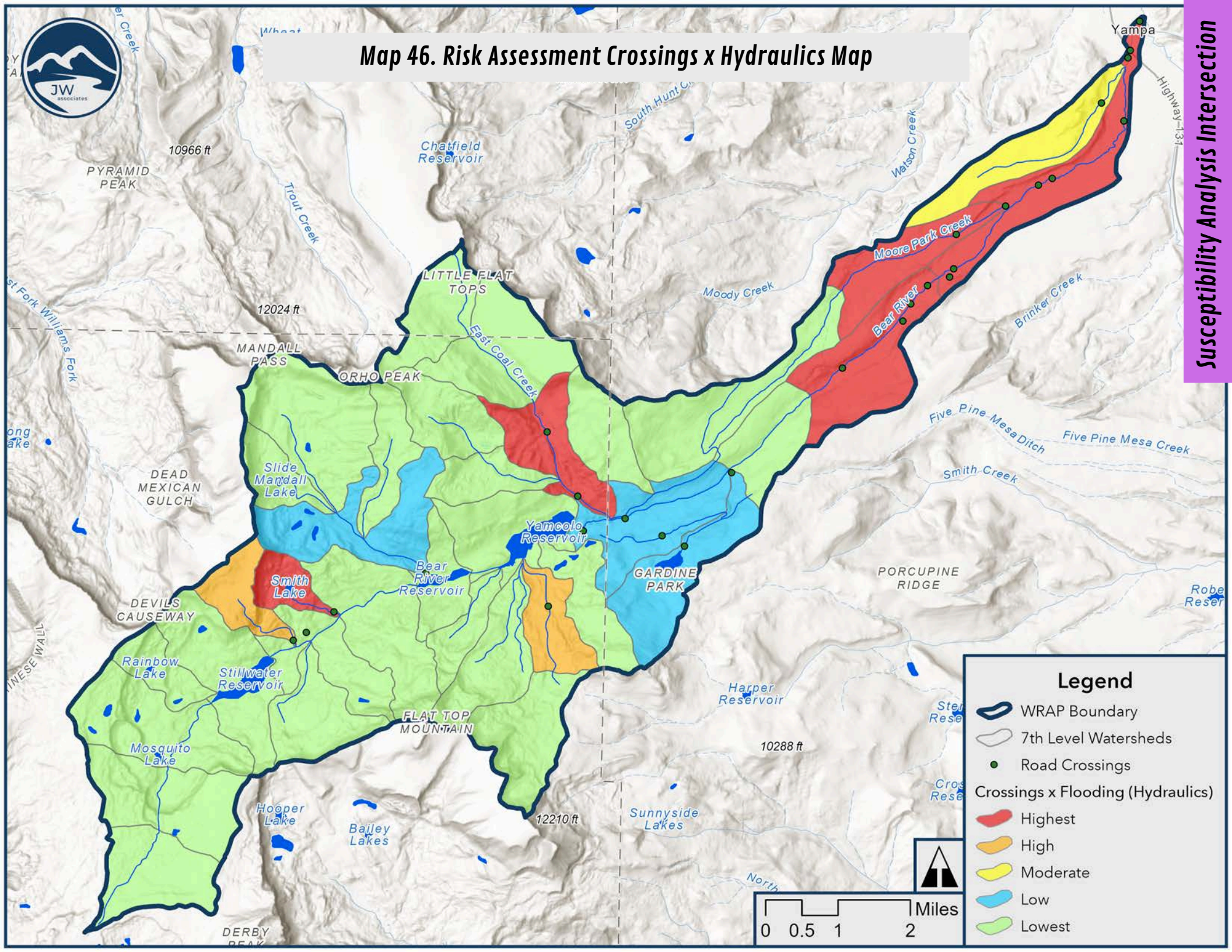

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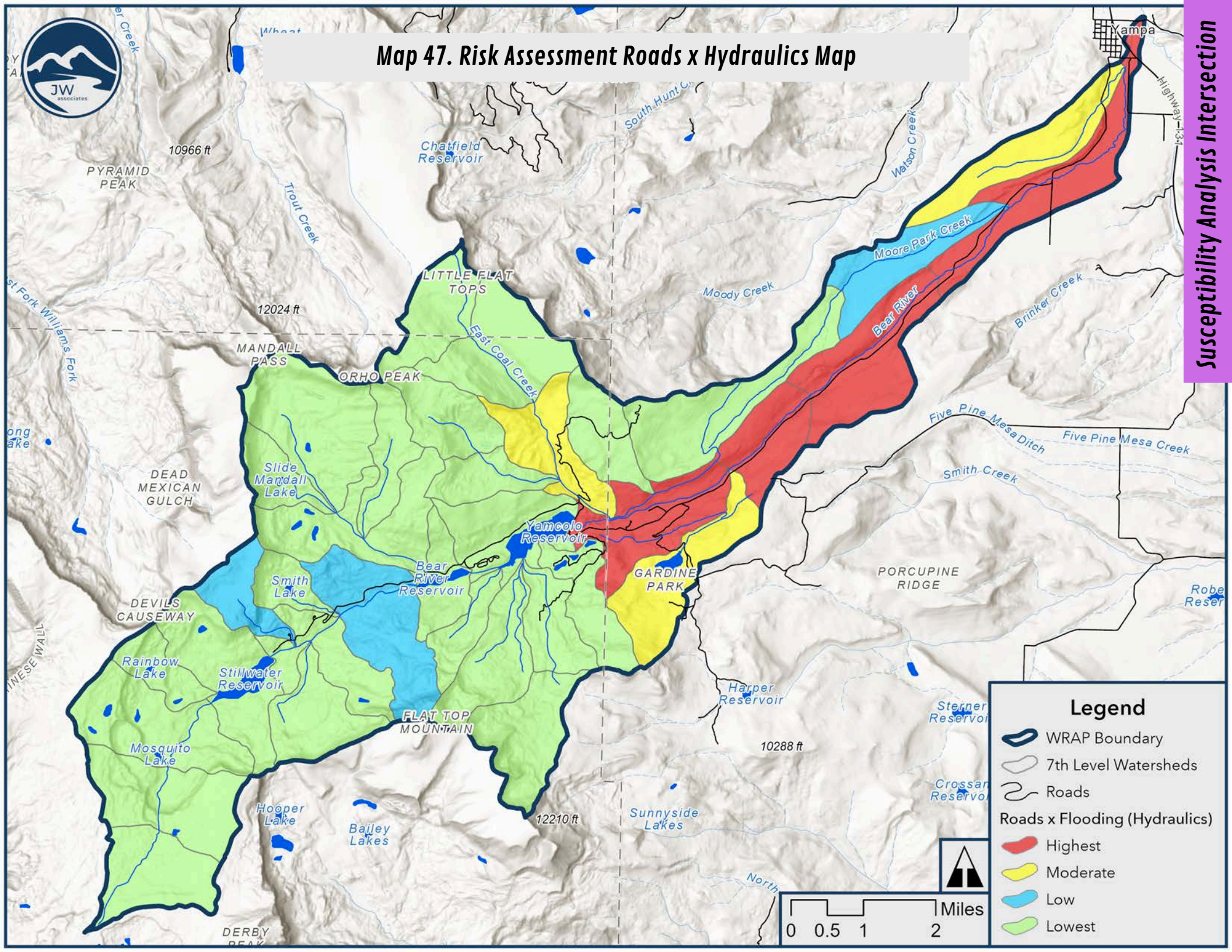

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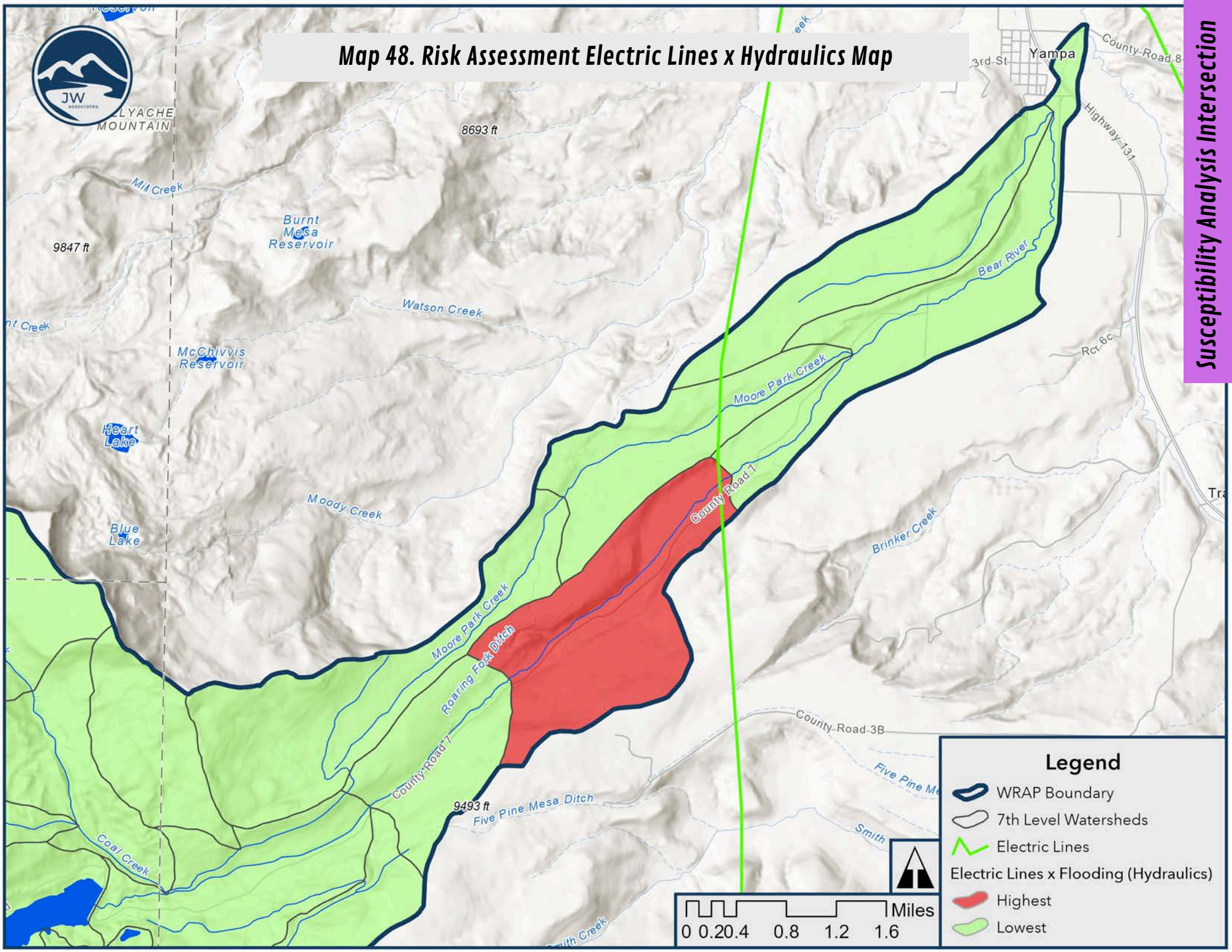

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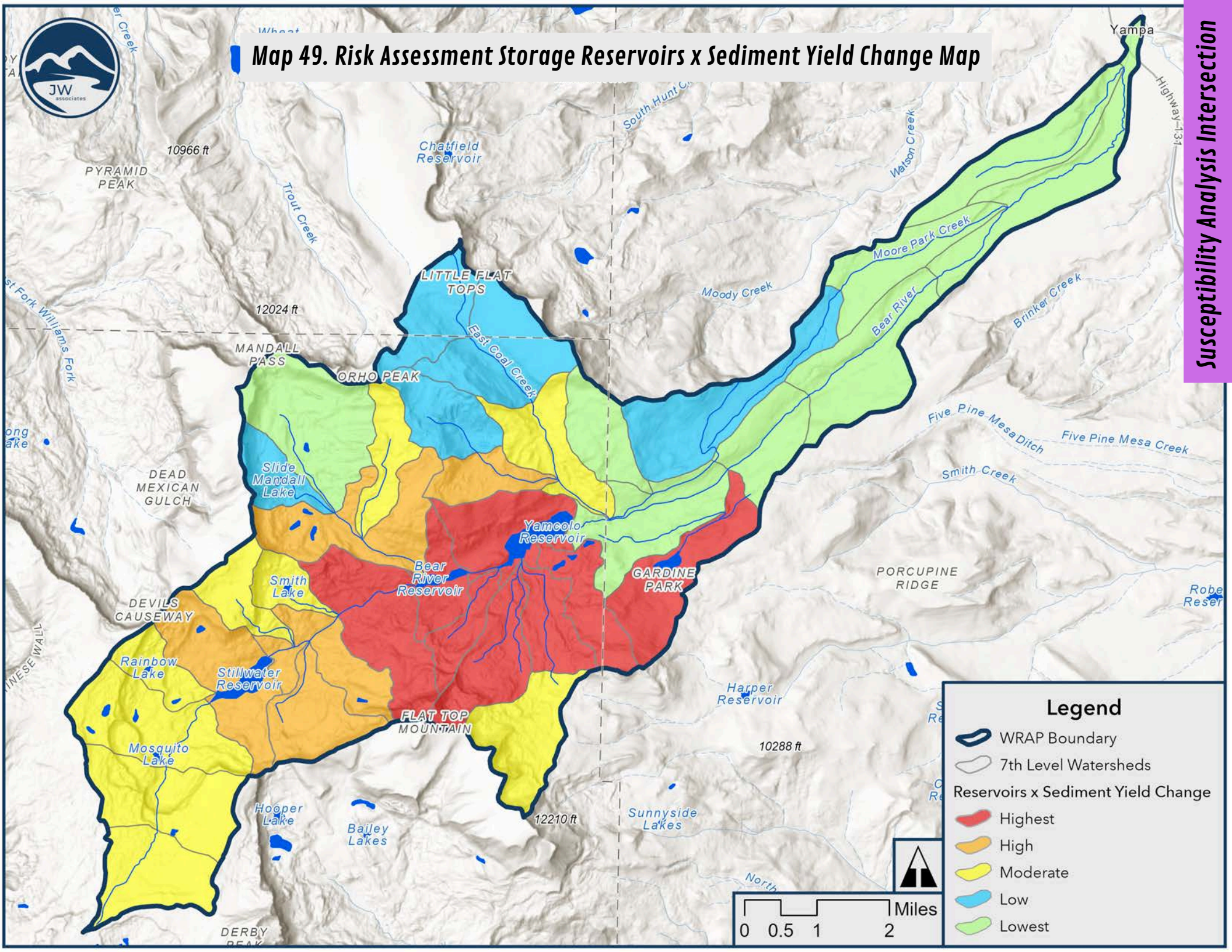

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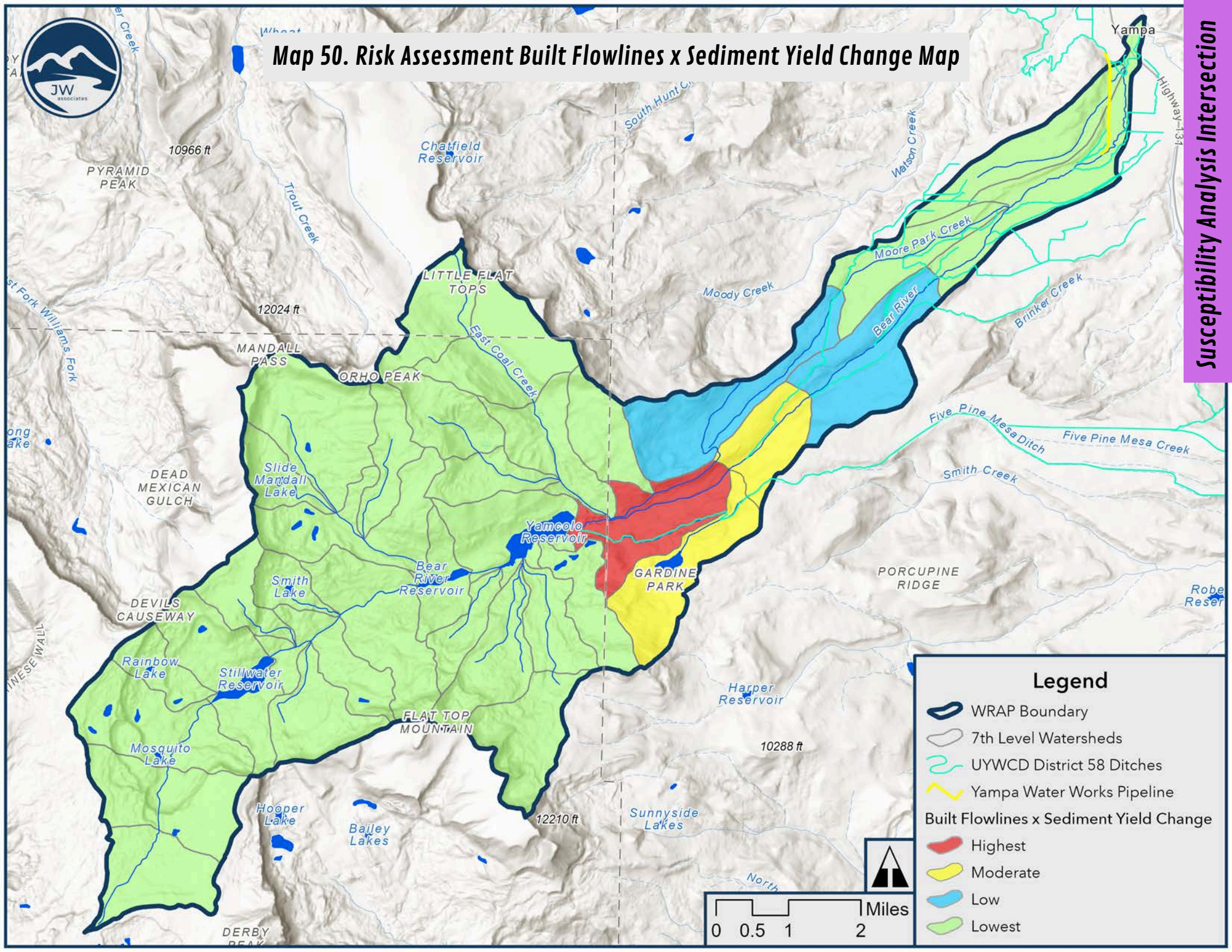

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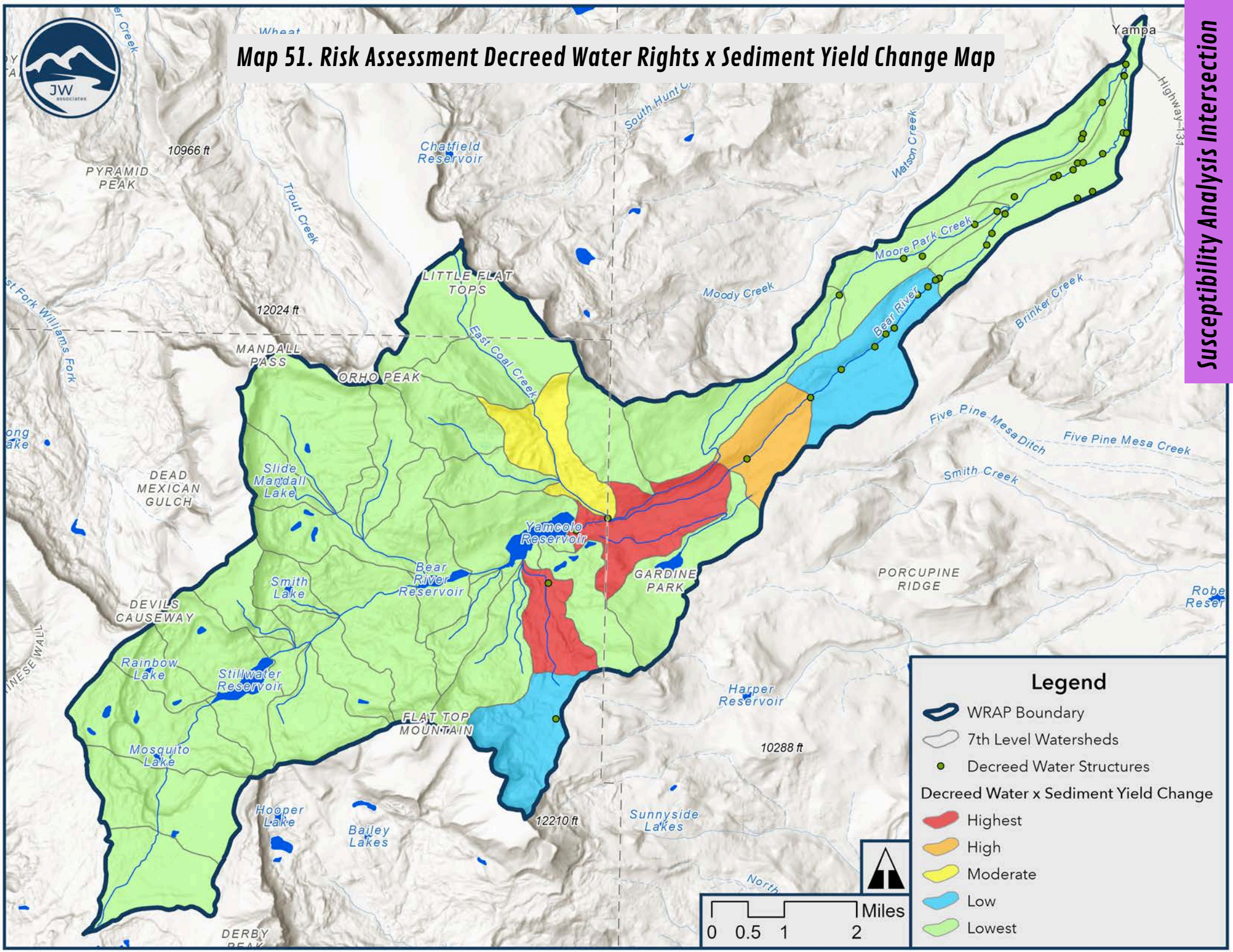

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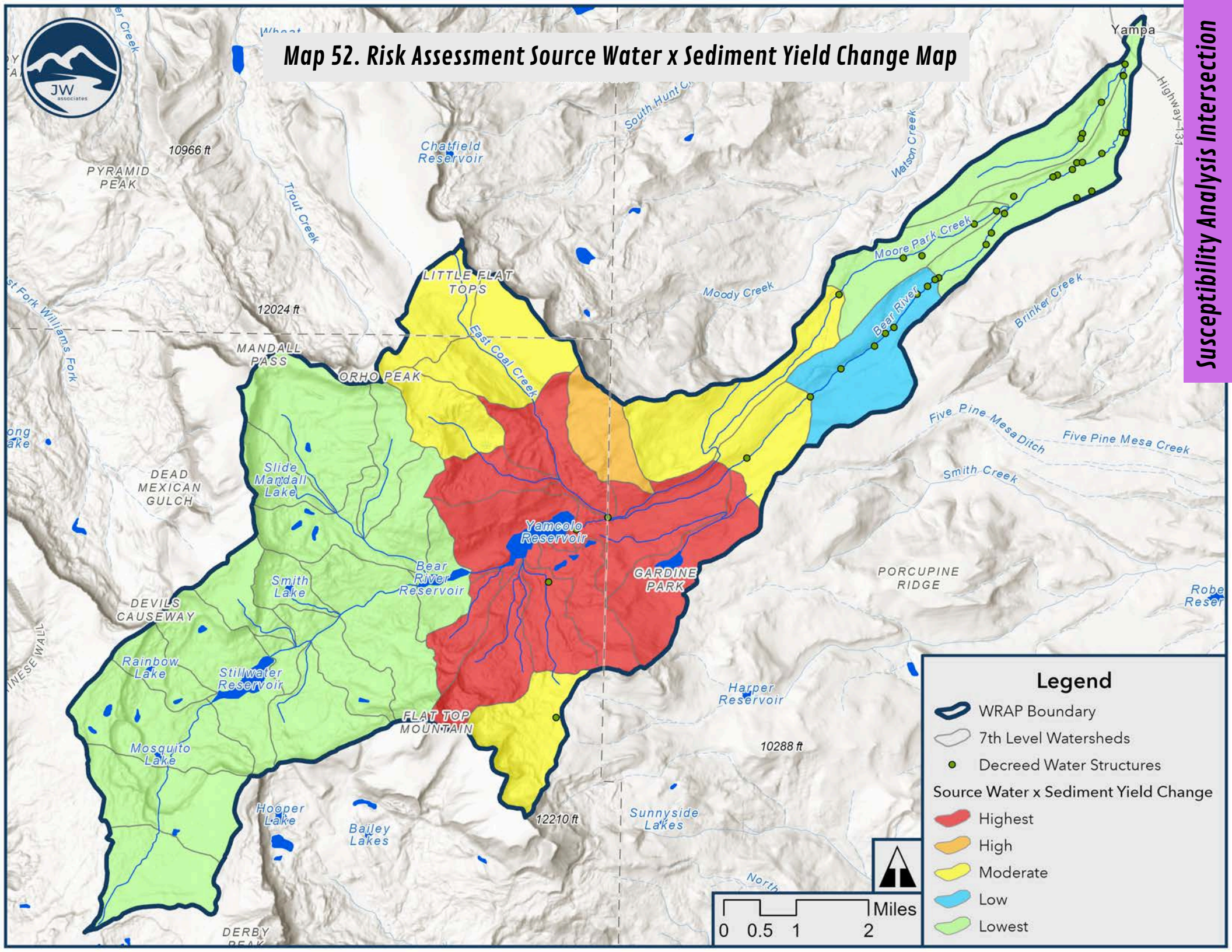
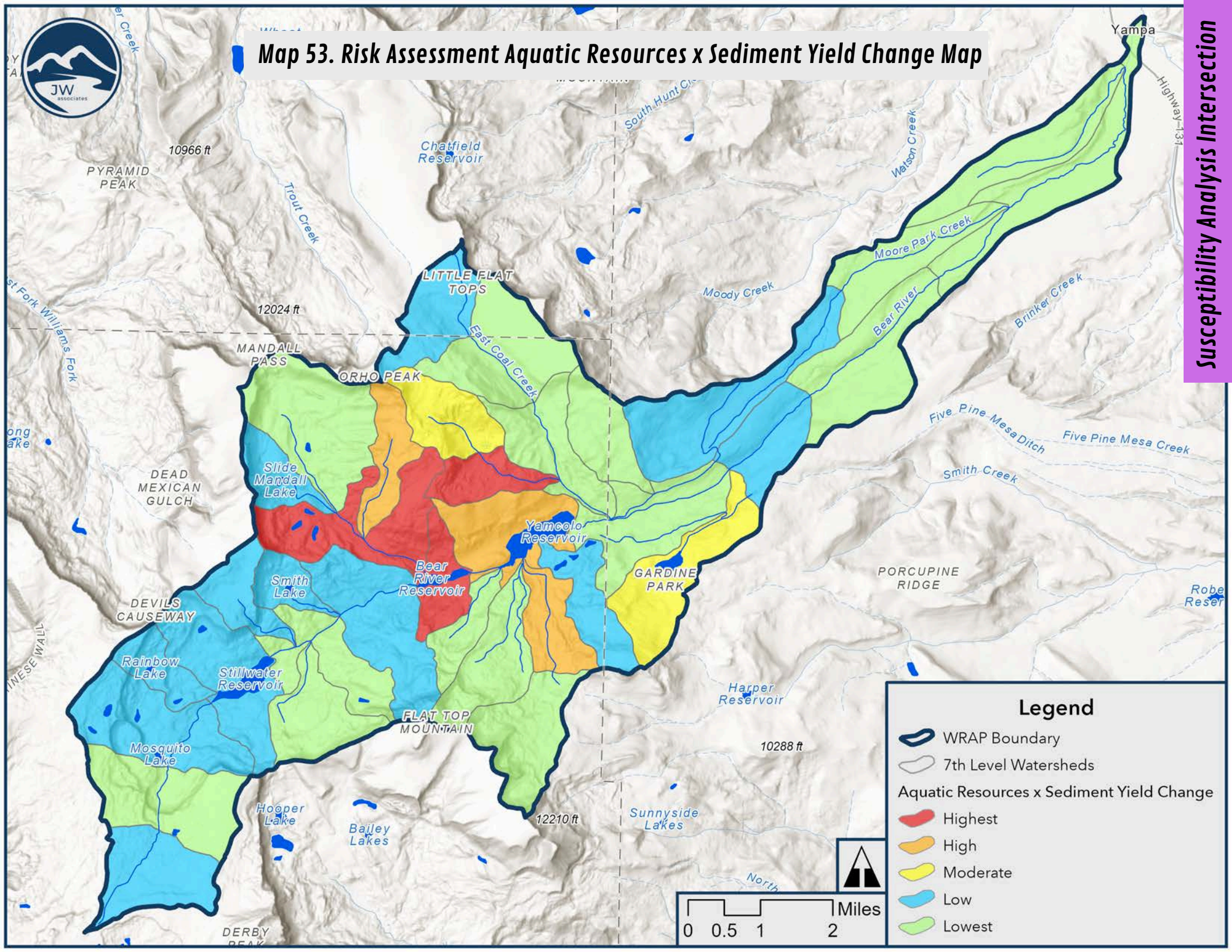


Map 53. Risk Assessment Aquatic Resources x Sediment Yield Change Map



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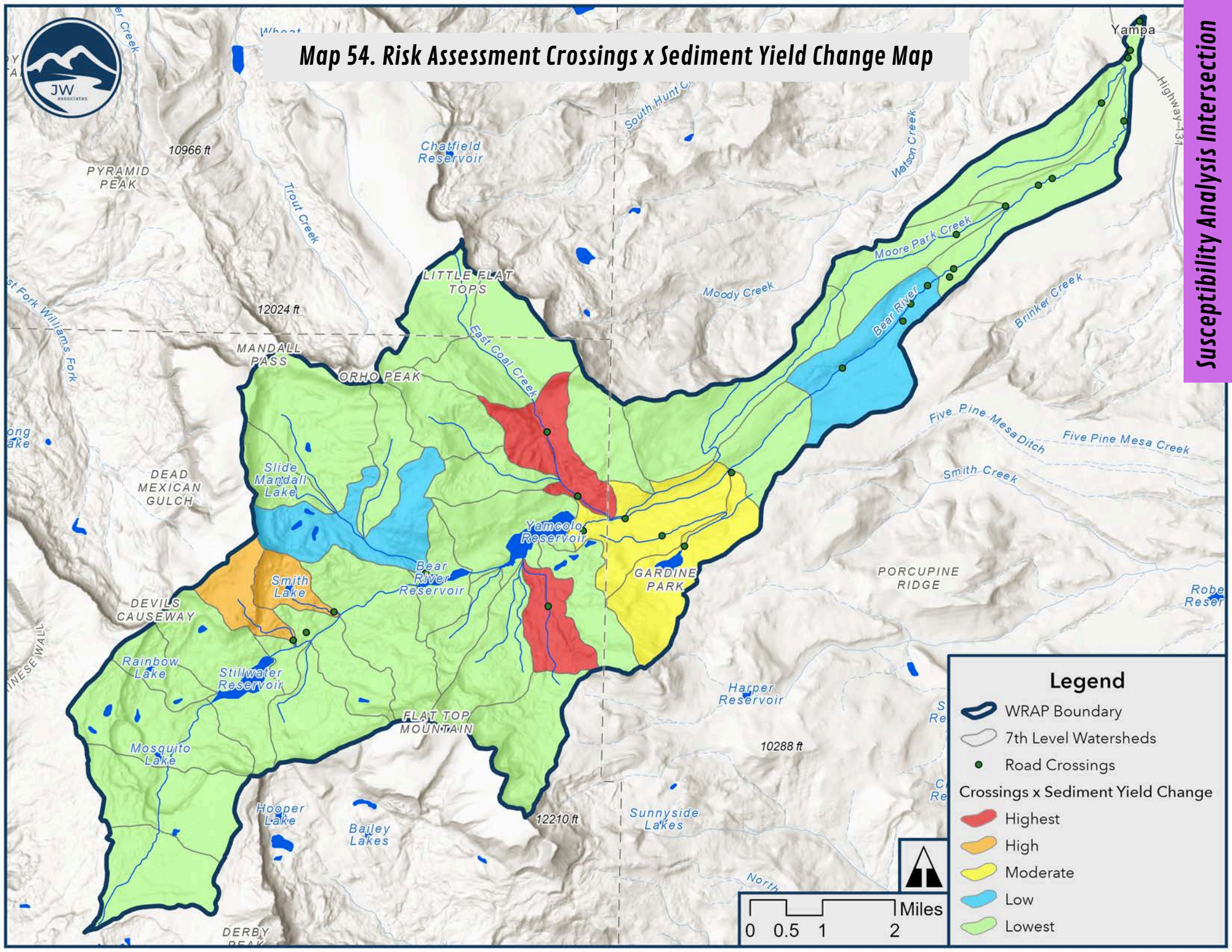
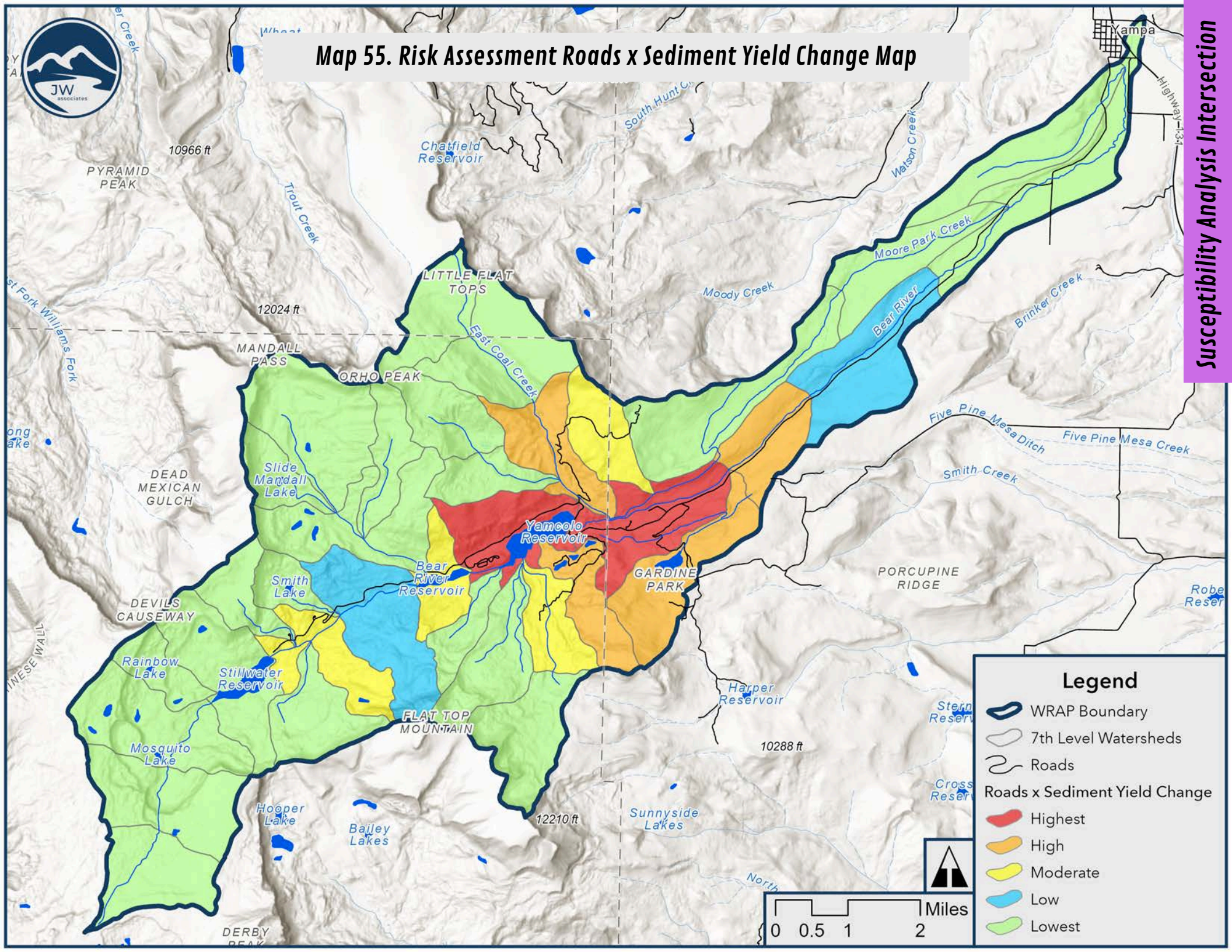
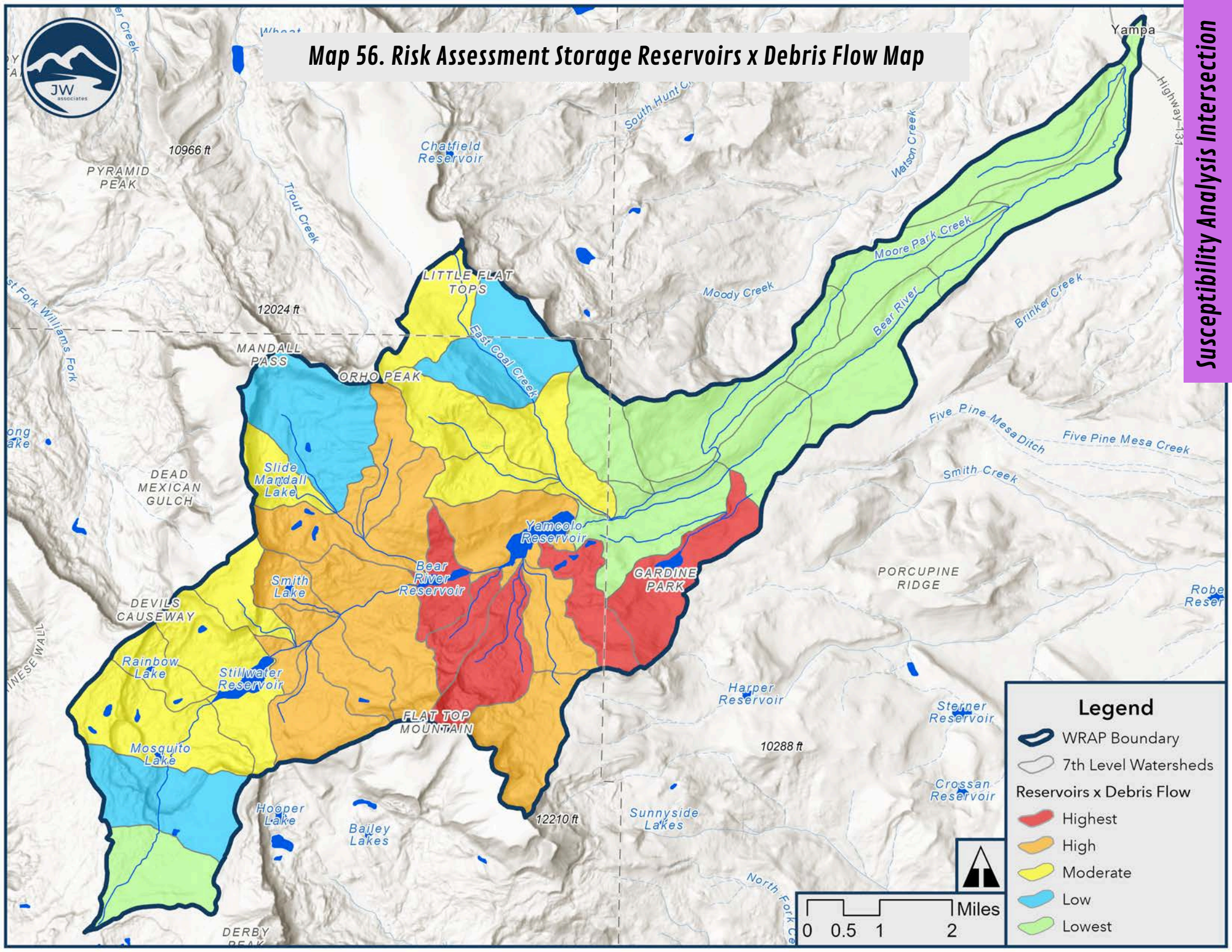


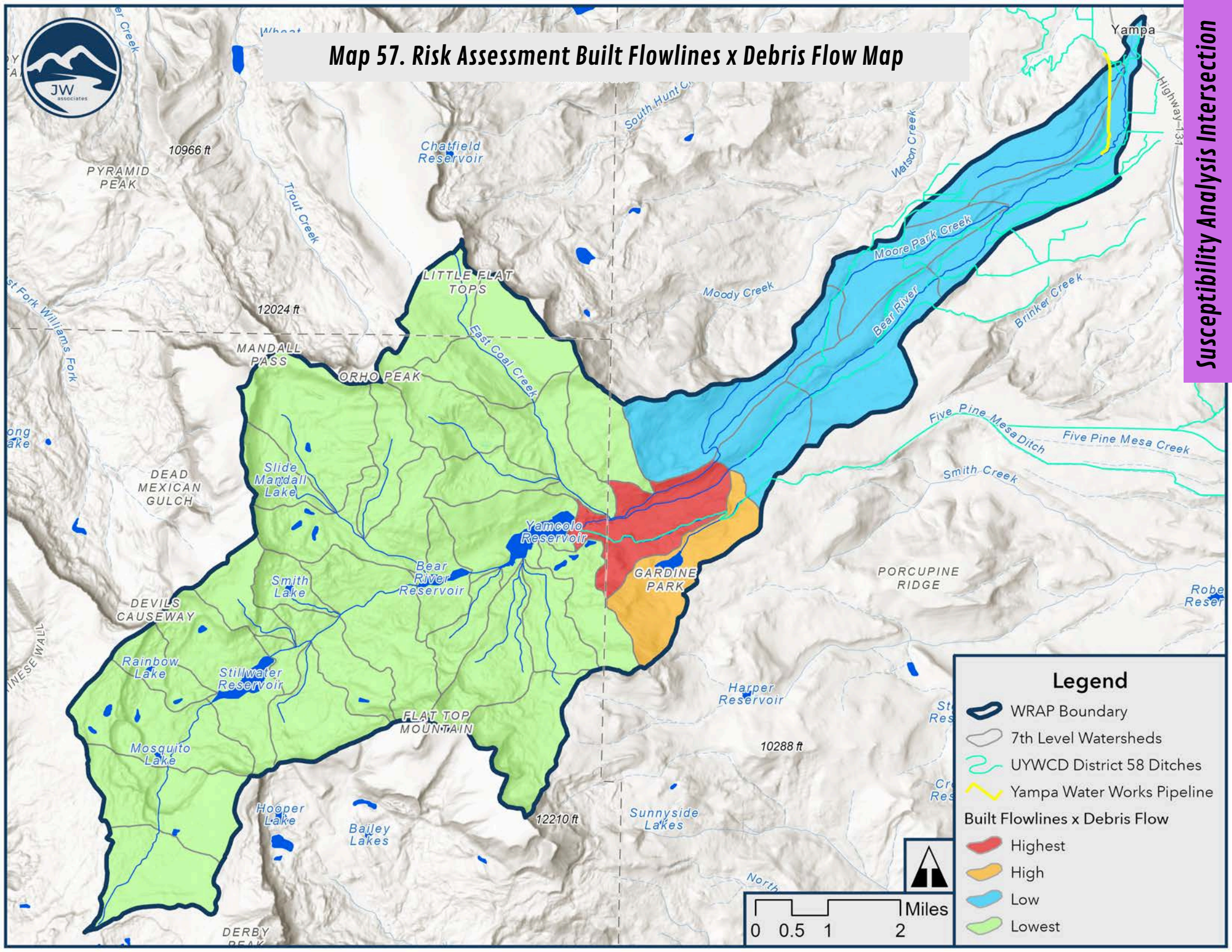
Map 55. Risk Assessment Roads x Sediment Yield Change Map



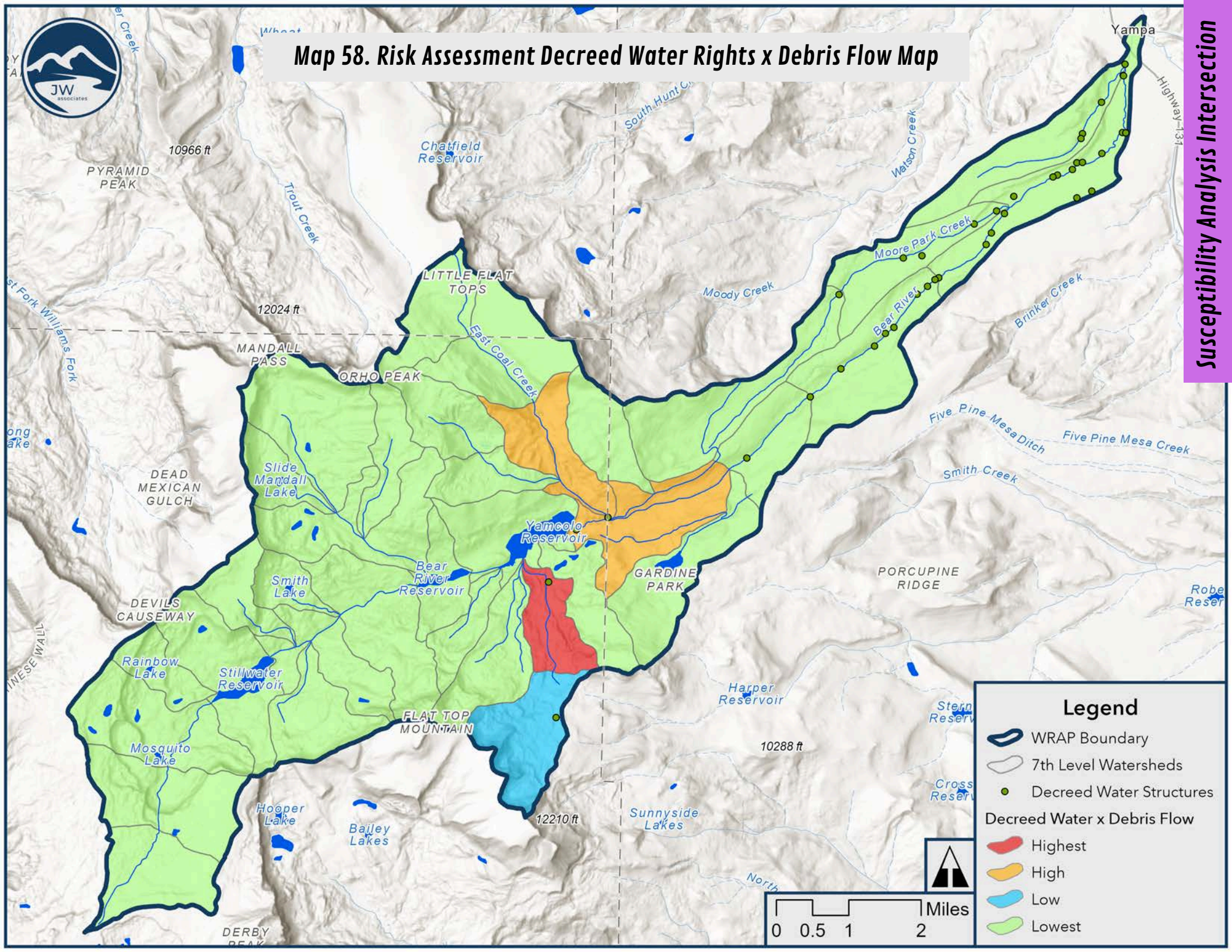
Map 56. Risk Assessment Storage Reservoirs x Debris Flow Map



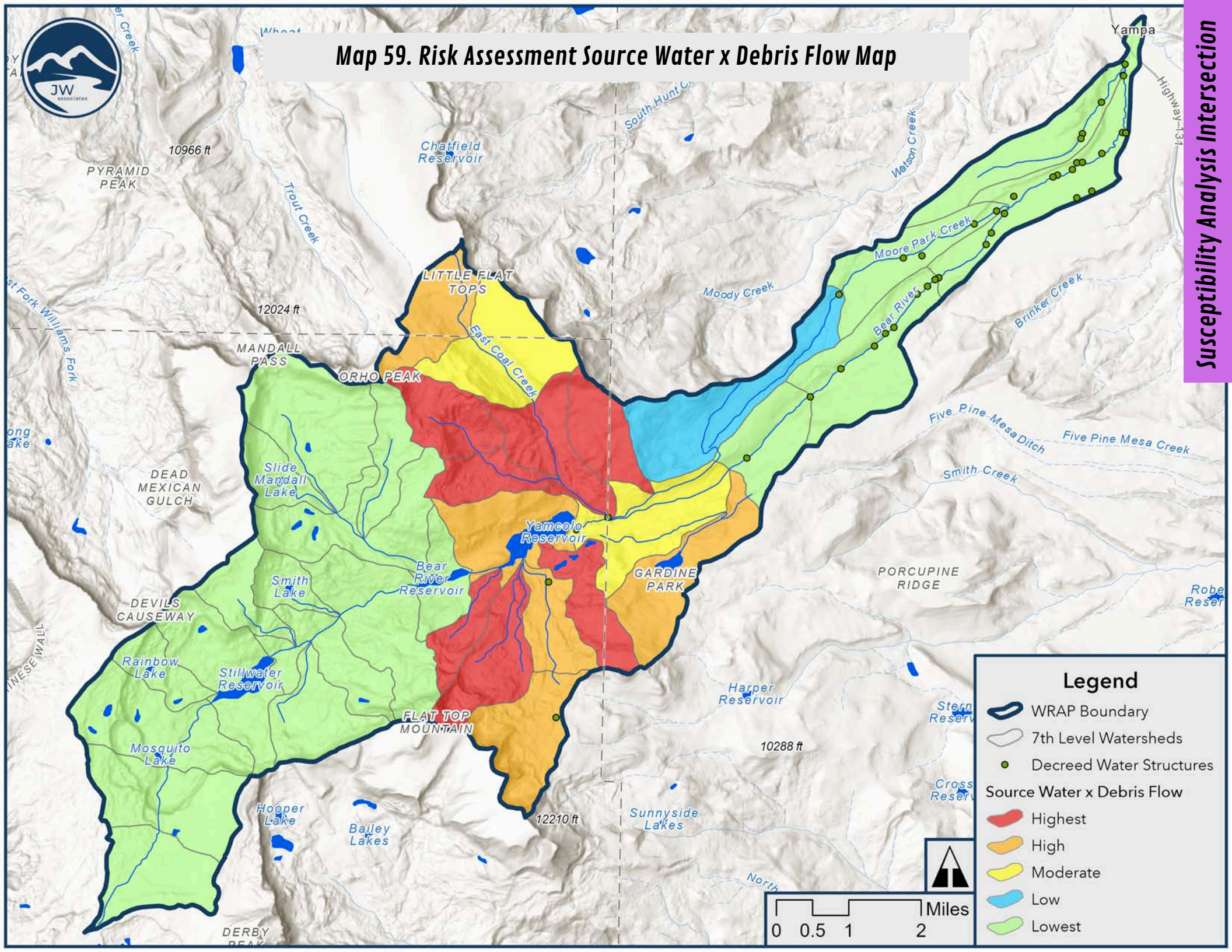
Map 57. Risk Assessment Built Flowlines x Debris Flow Map



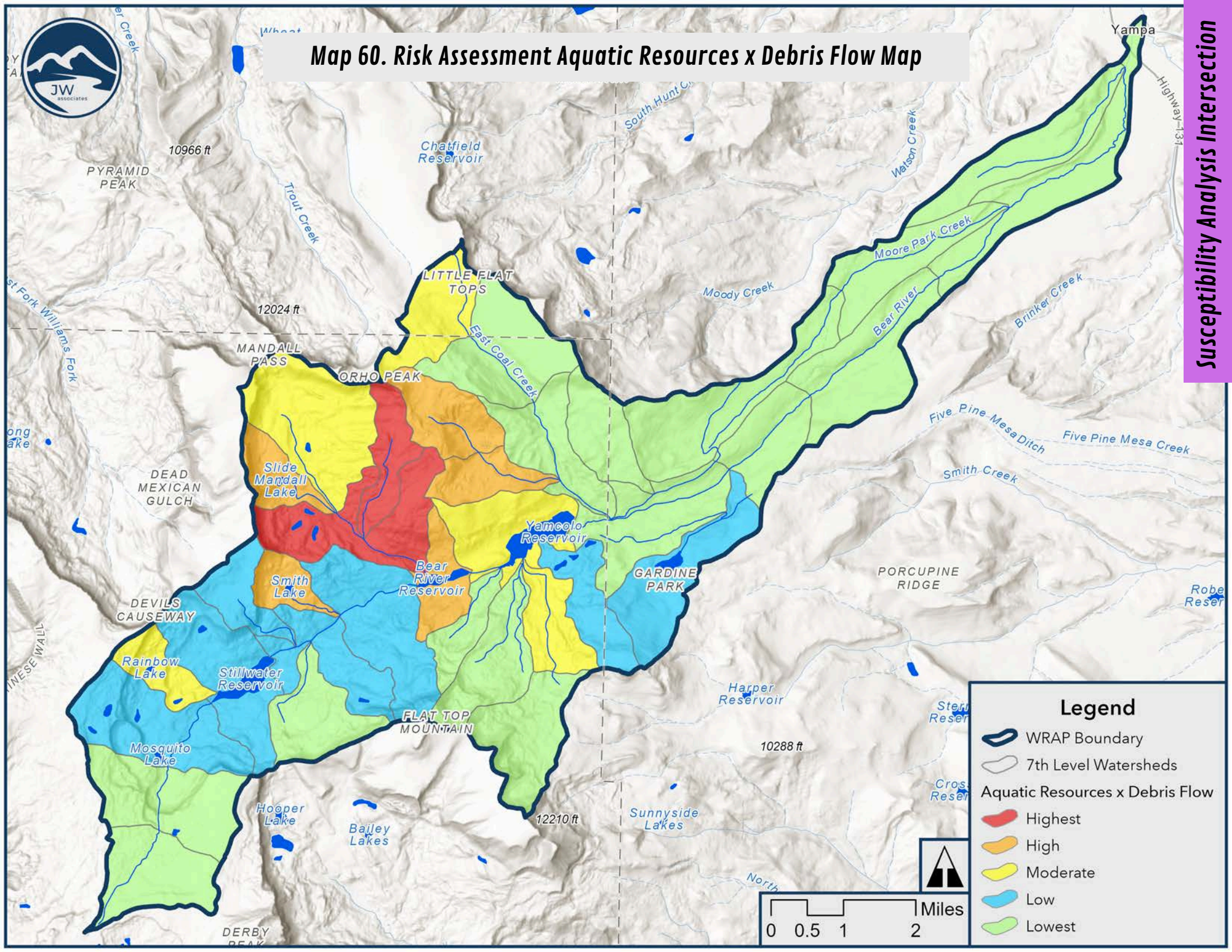
Map 58. Risk Assessment Decreed Water Rights x Debris Flow Map



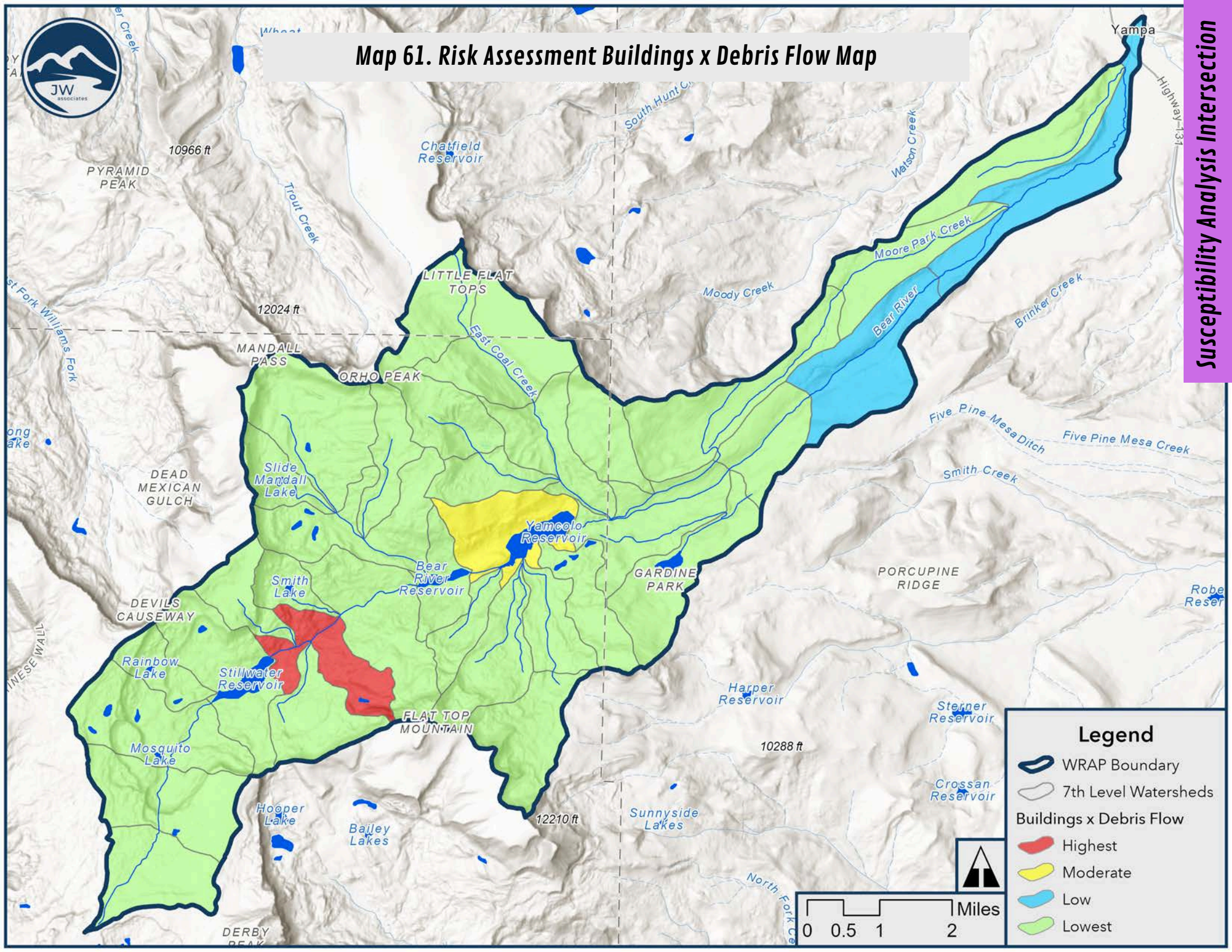
Map 59. Risk Assessment Source Water x Debris Flow Map



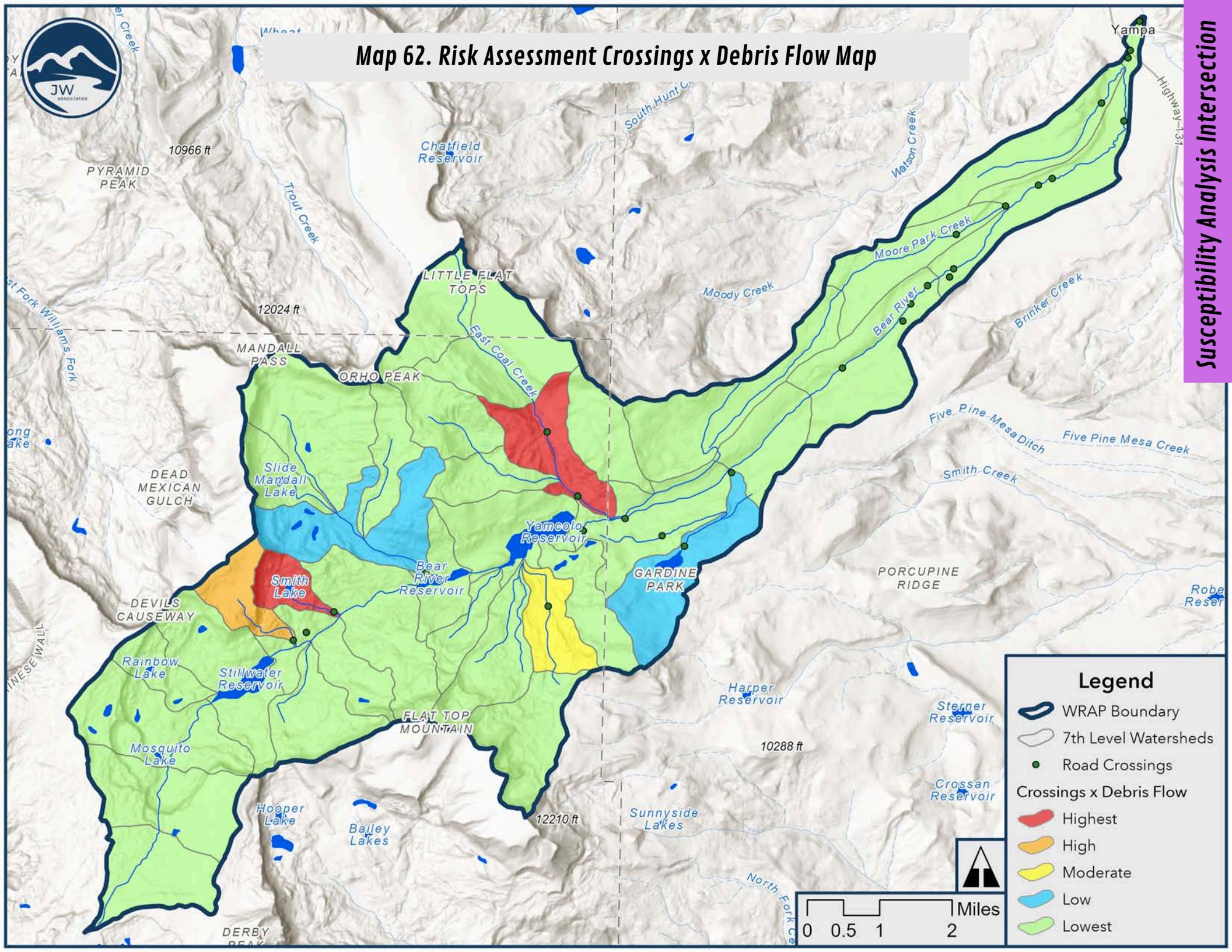
Map 60. Risk Assessment Aquatic Resources x Debris Flow Map



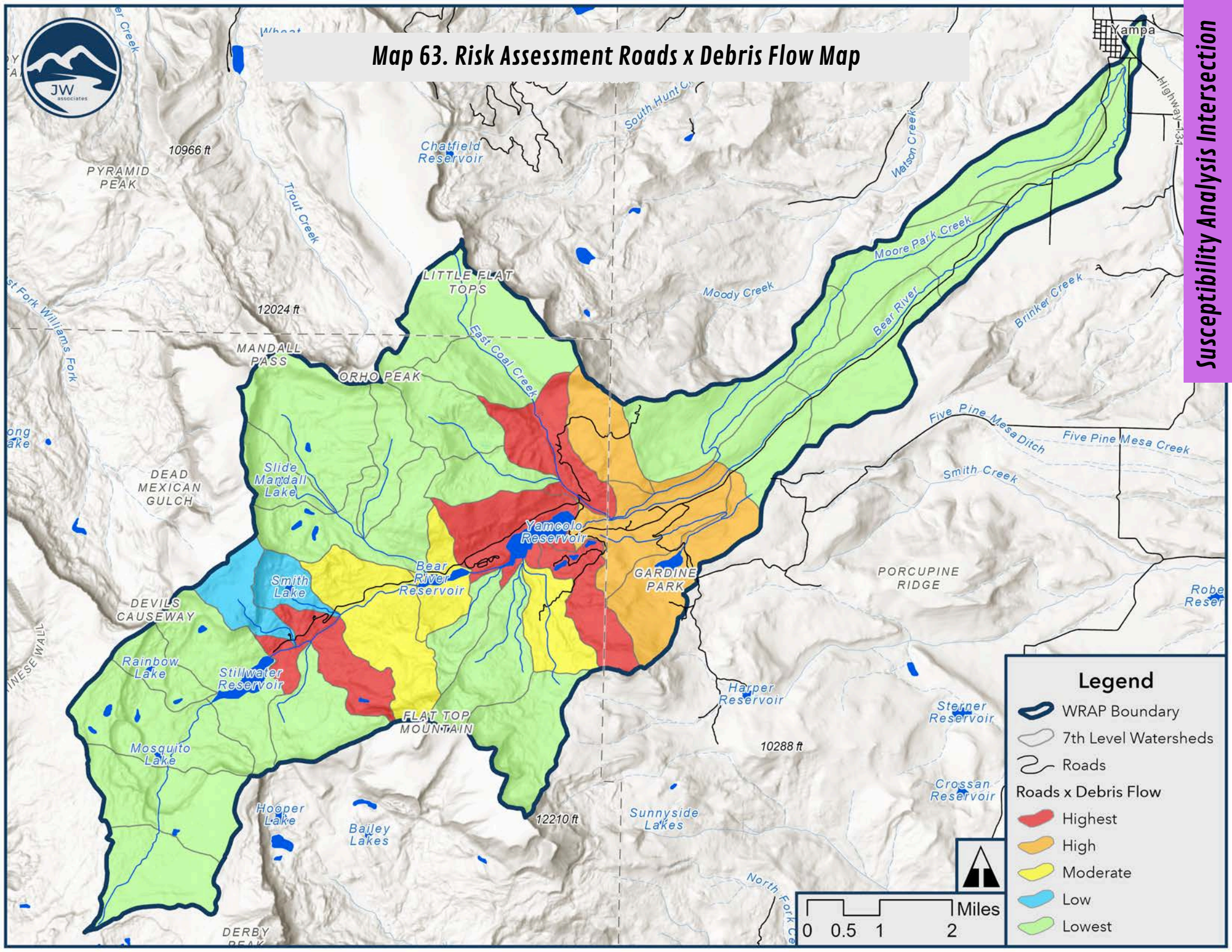
Map 61. Risk Assessment Buildings x Debris Flow Map



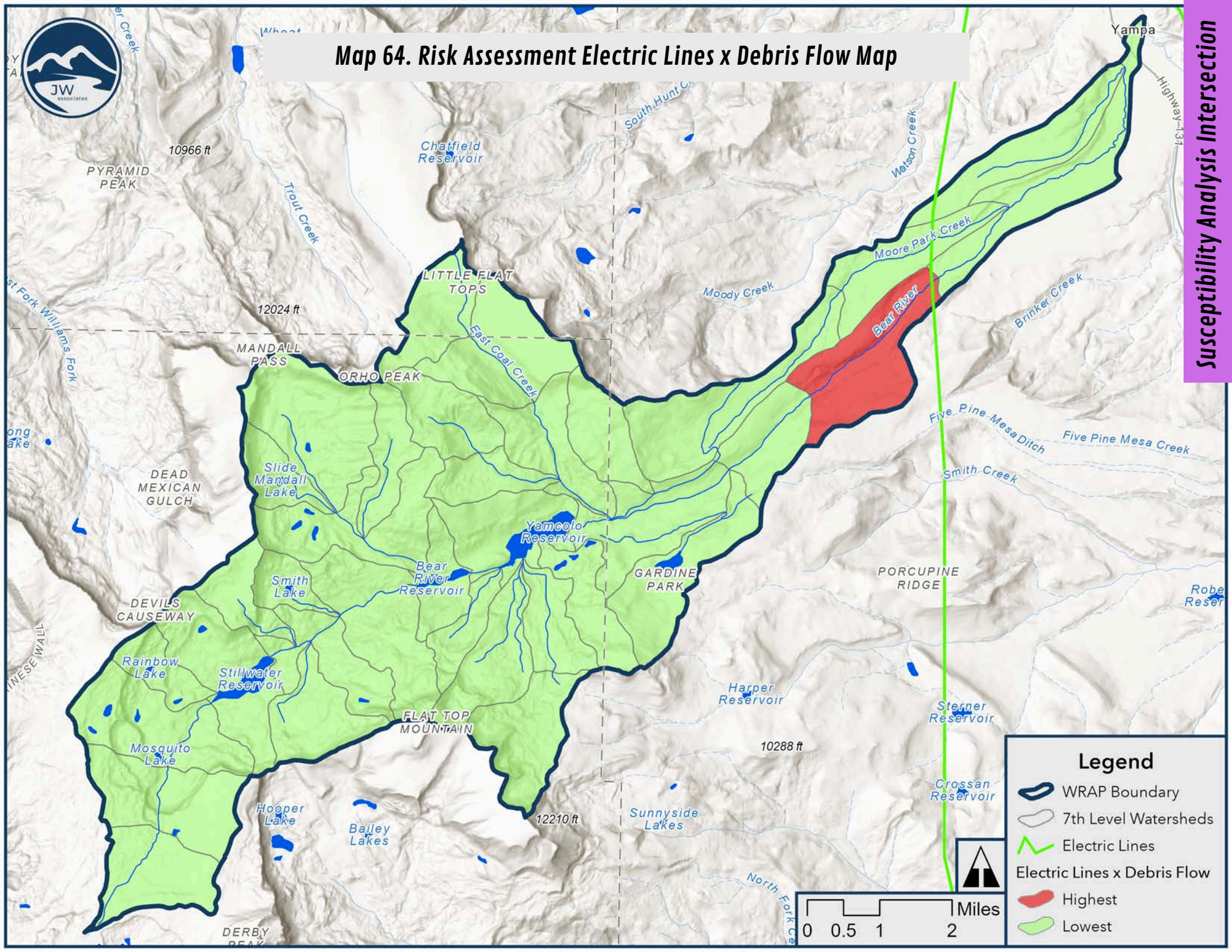
Map 62. Risk Assessment Crossings x Debris Flow Map



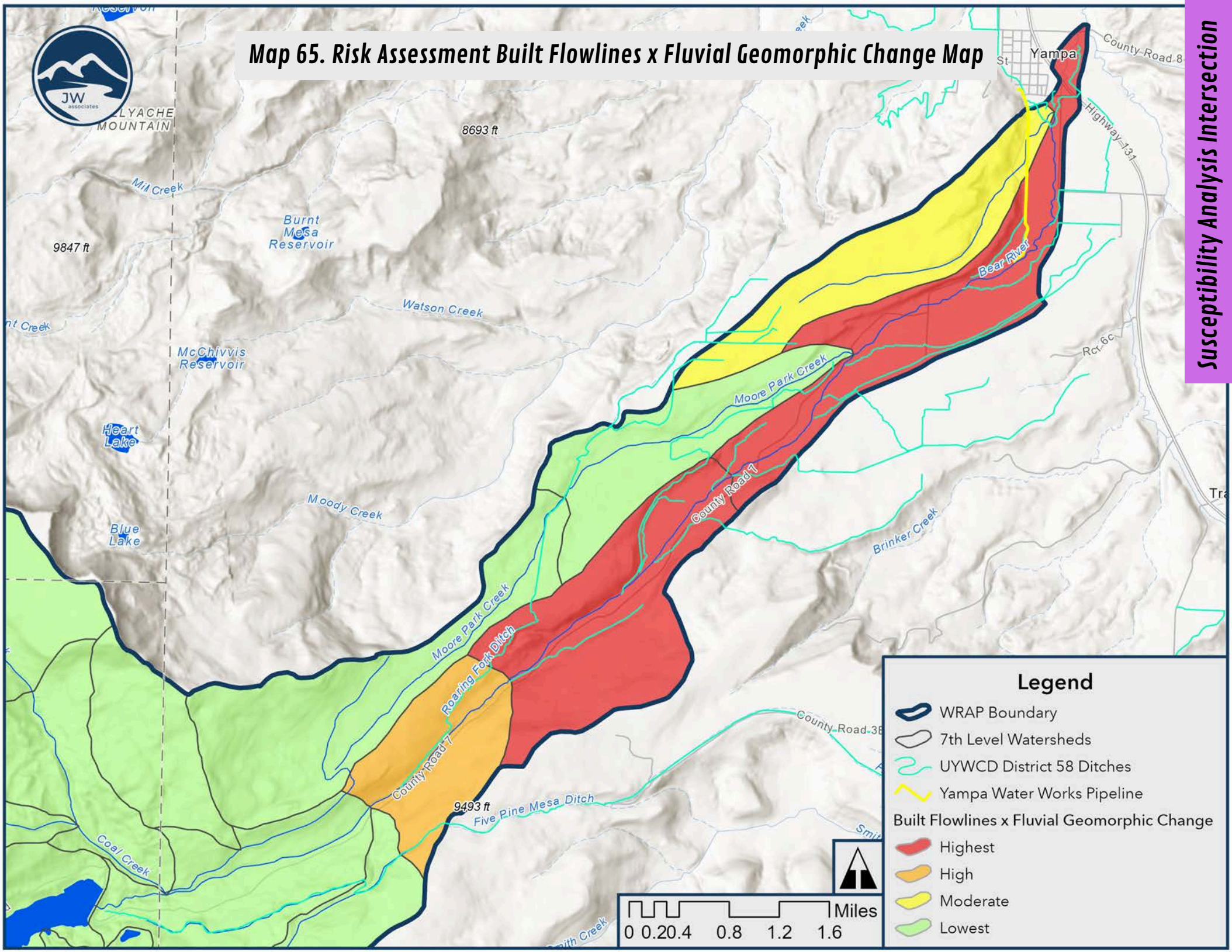
Map 63. Risk Assessment Roads x Debris Flow Map



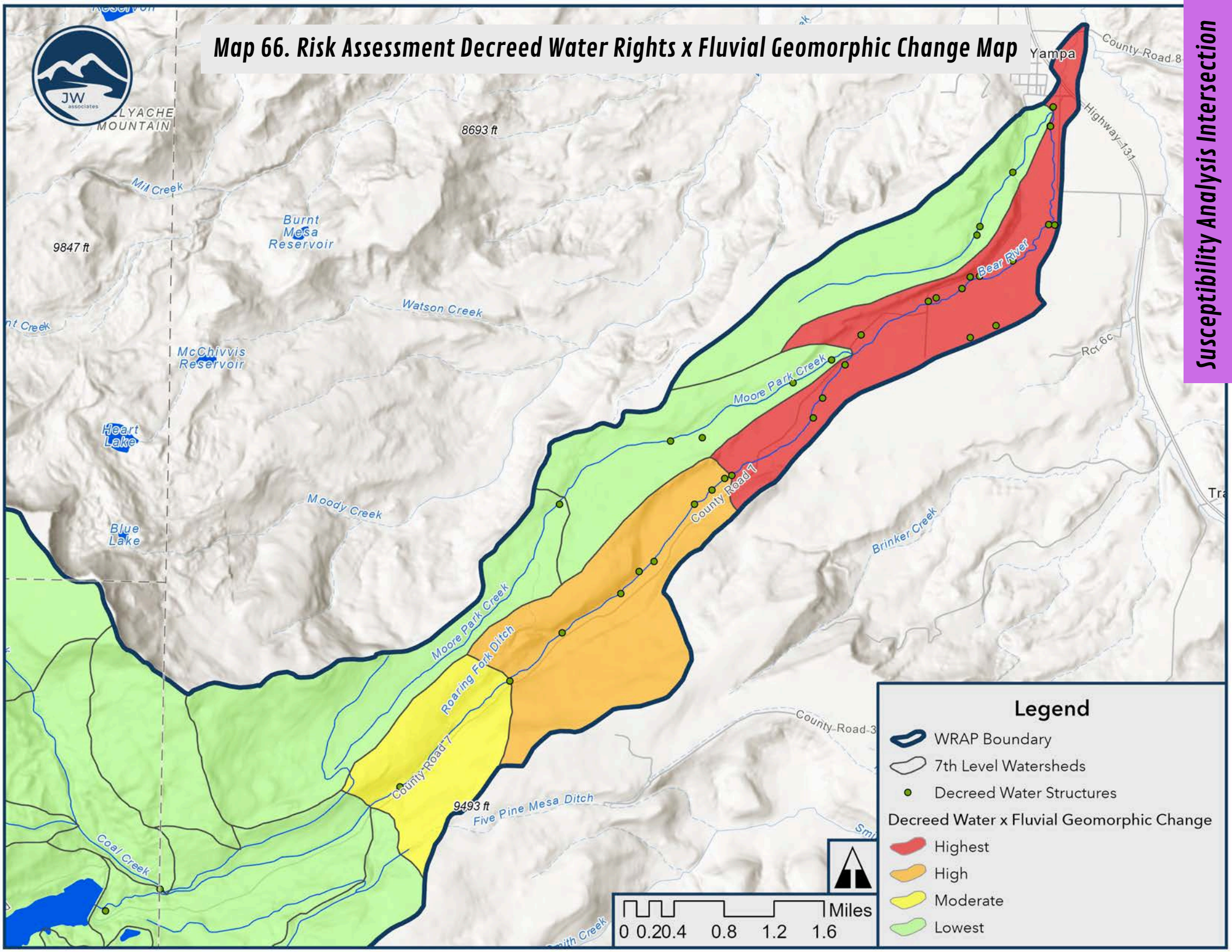
Map 64. Risk Assessment Electric Lines x Debris Flow Map



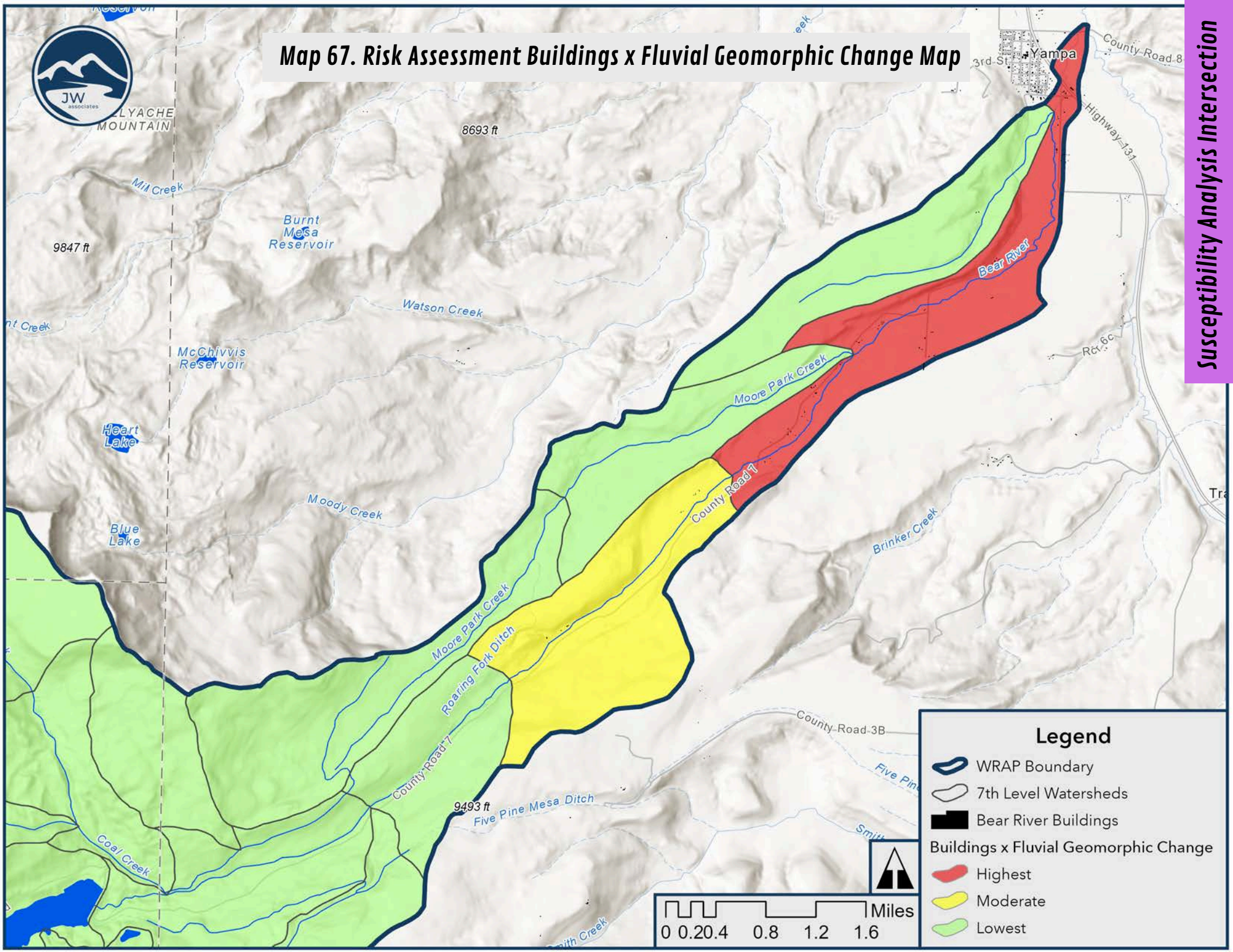
Map 65. Risk Assessment Built Flowlines x Fluvial Geomorphic Change Map



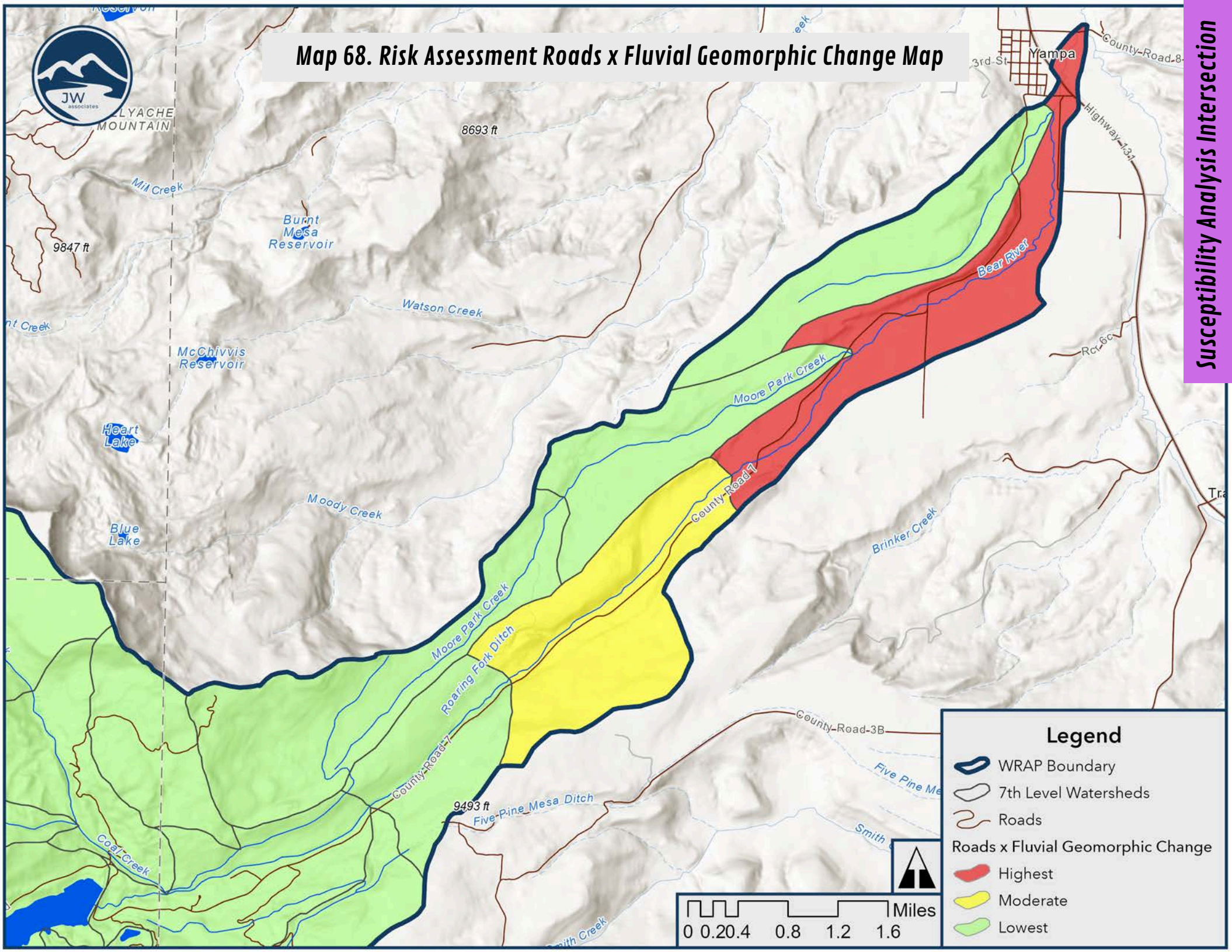
Map 66. Risk Assessment Decreed Water Rights x Fluvial Geomorphic Change Map



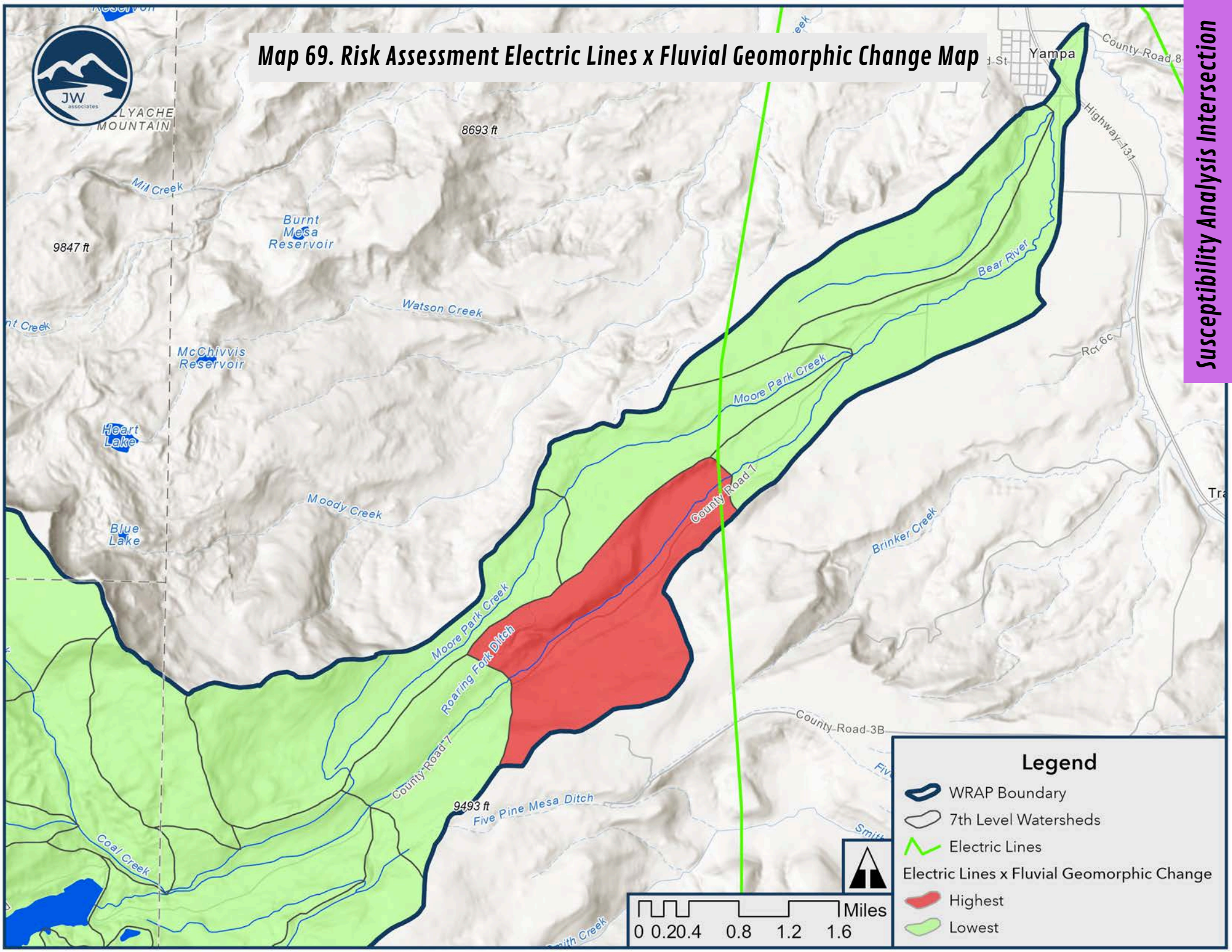
Map 67. Risk Assessment Buildings x Fluvial Geomorphic Change Map



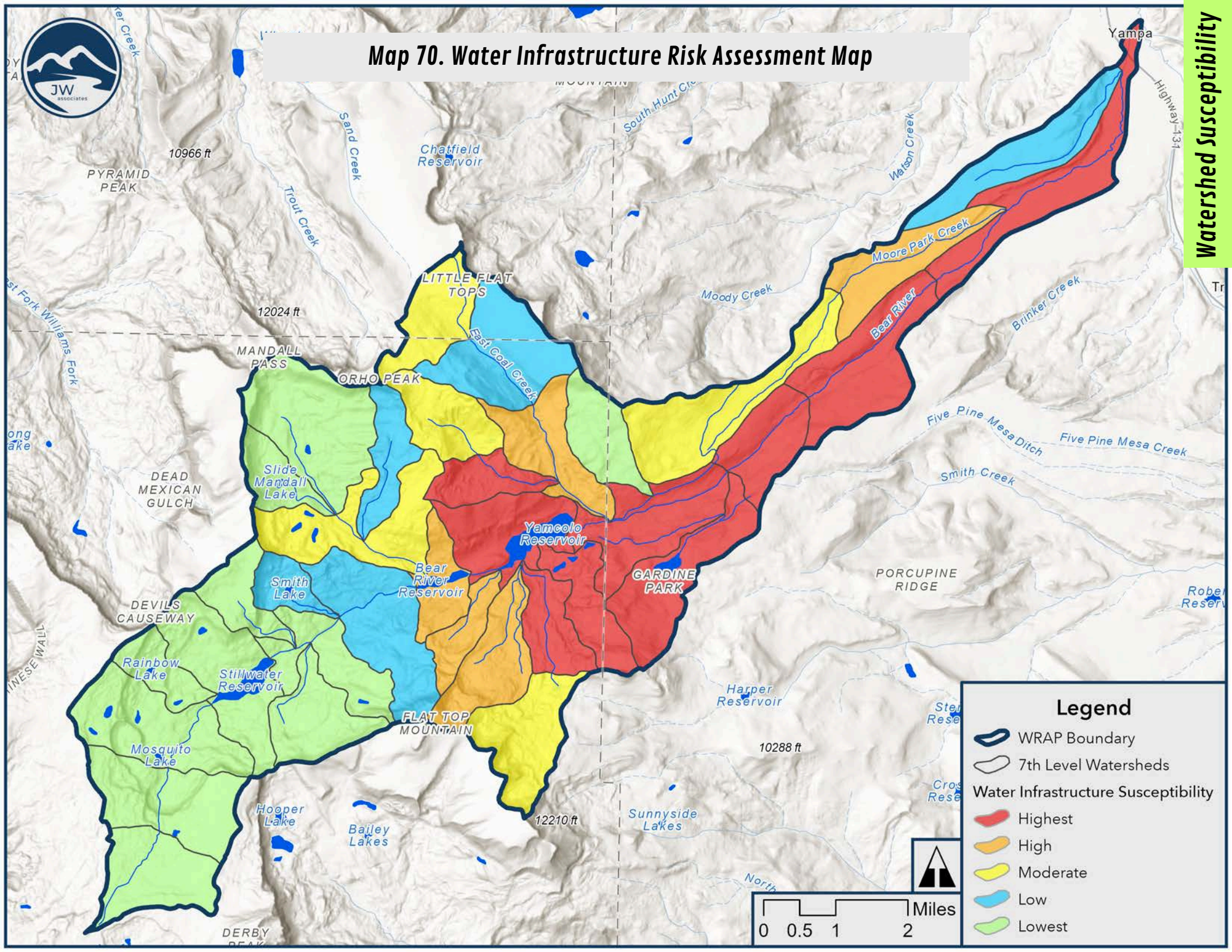
Map 68. Risk Assessment Roads x Fluvial Geomorphic Change Map



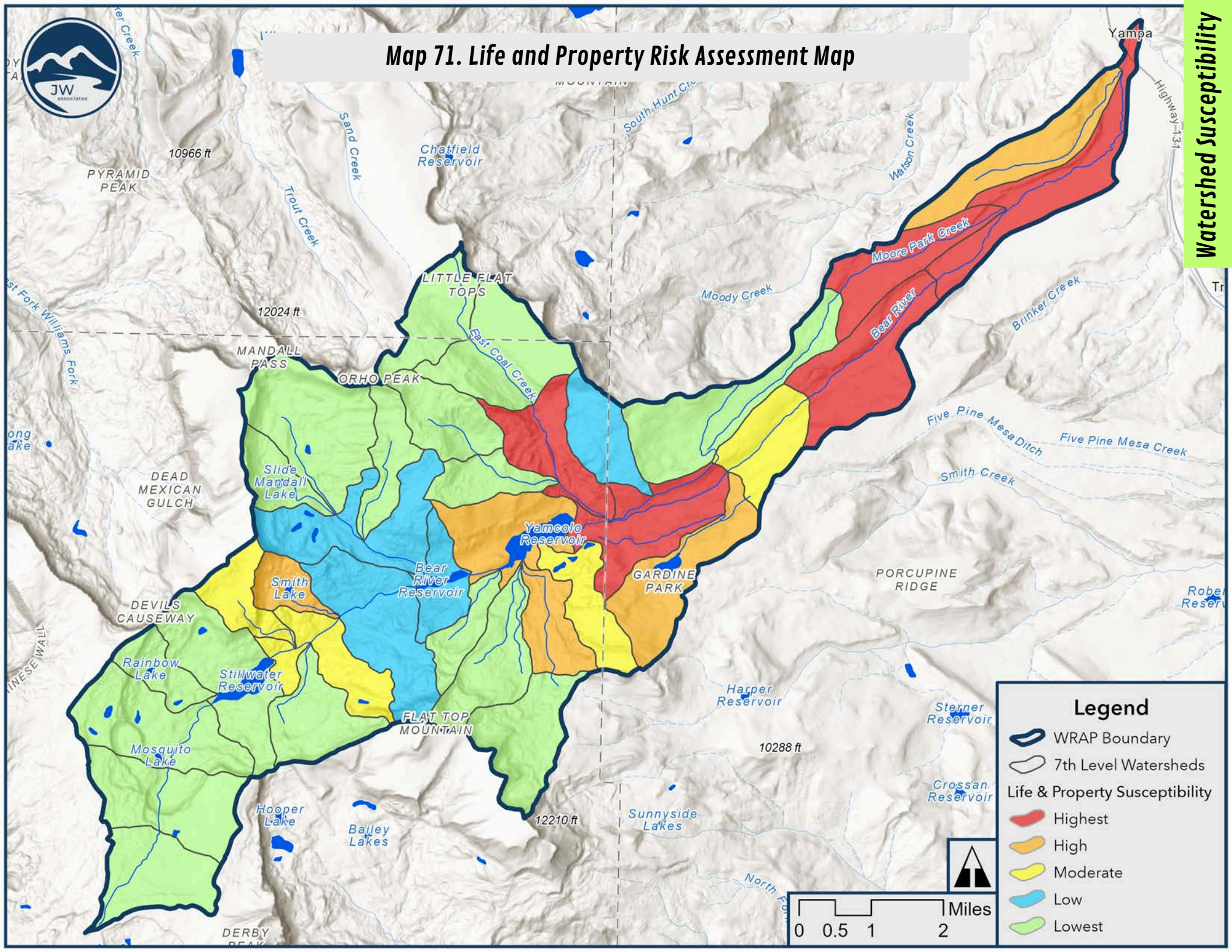
Map 69. Risk Assessment Electric Lines x Fluvial Geomorphic Change Map



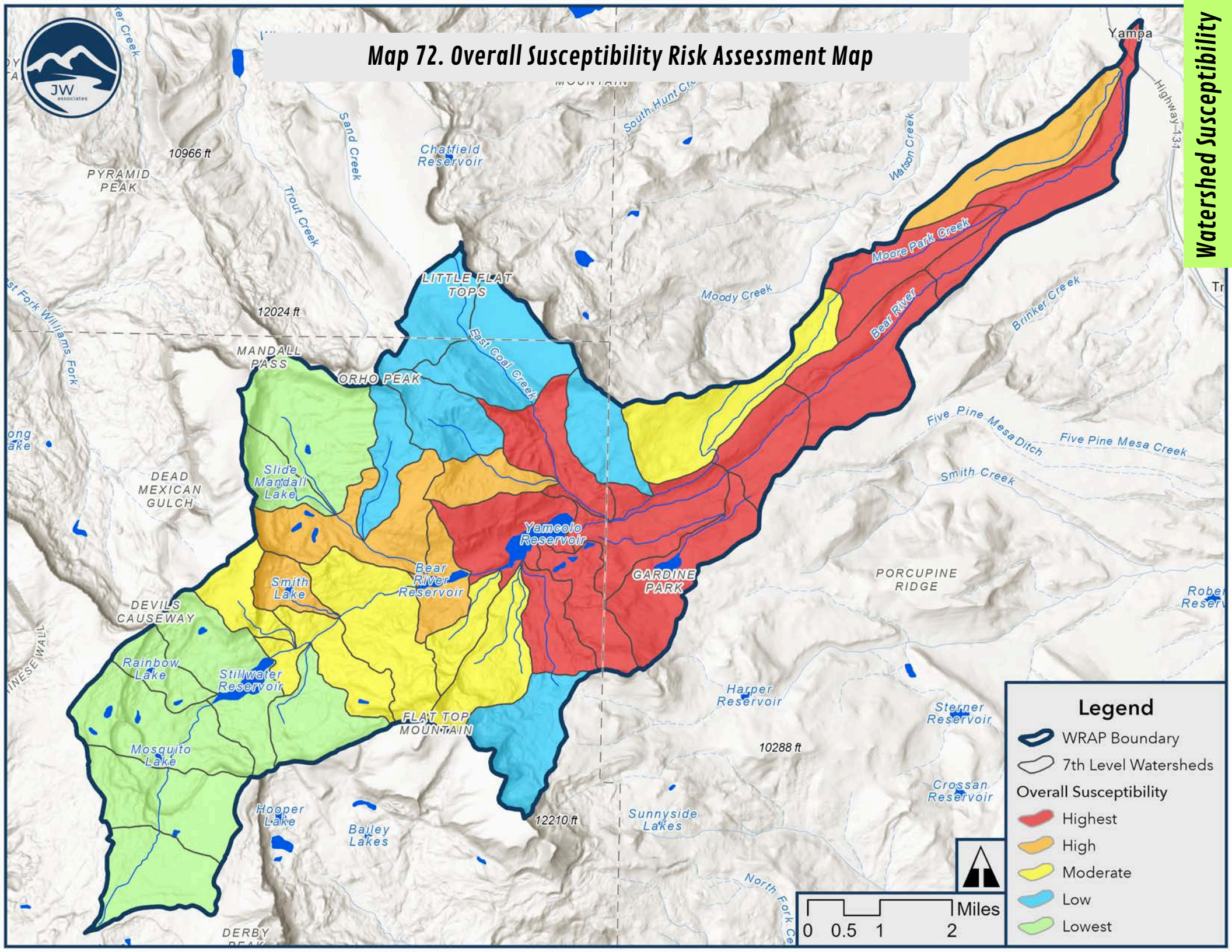
Map 70. Water Infrastructure Risk Assessment Map

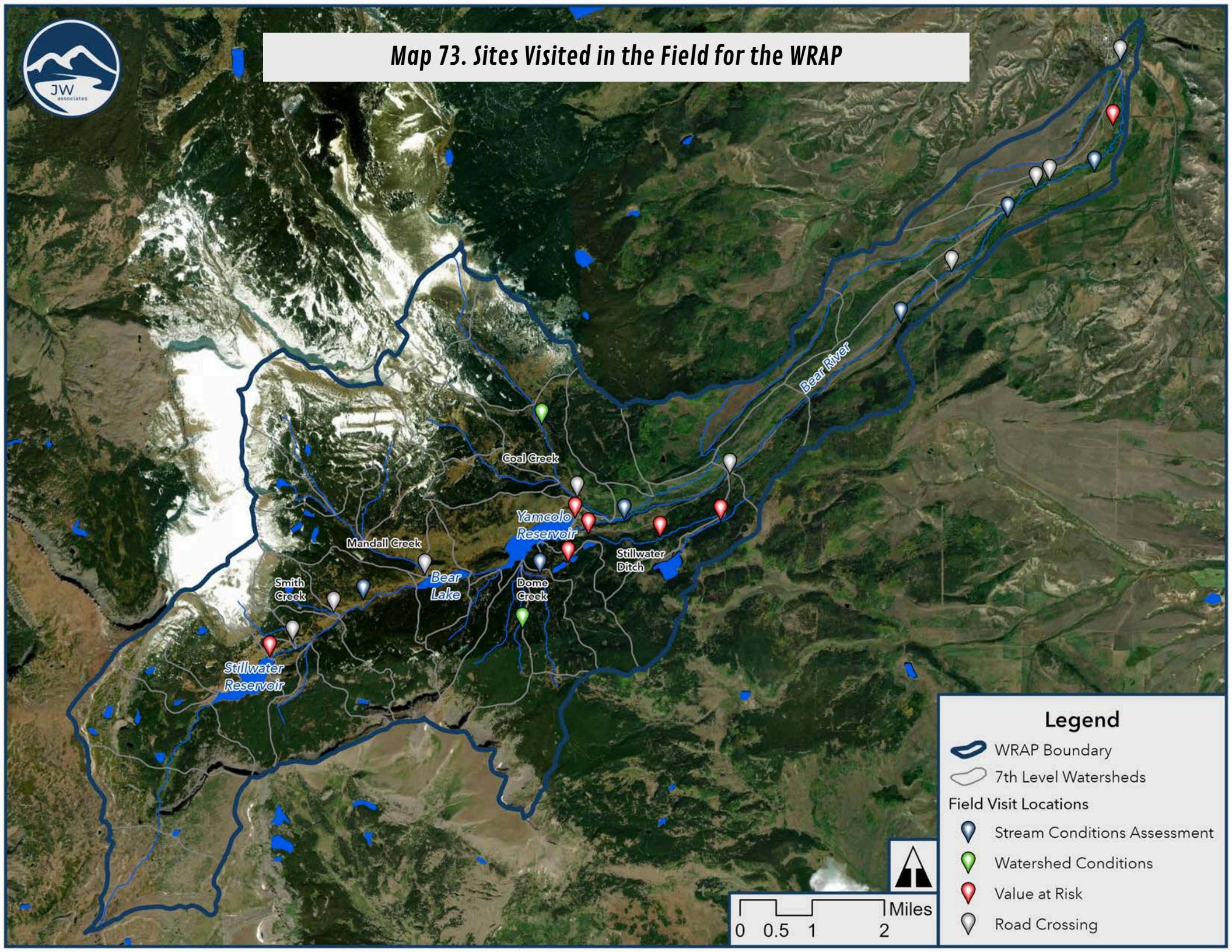


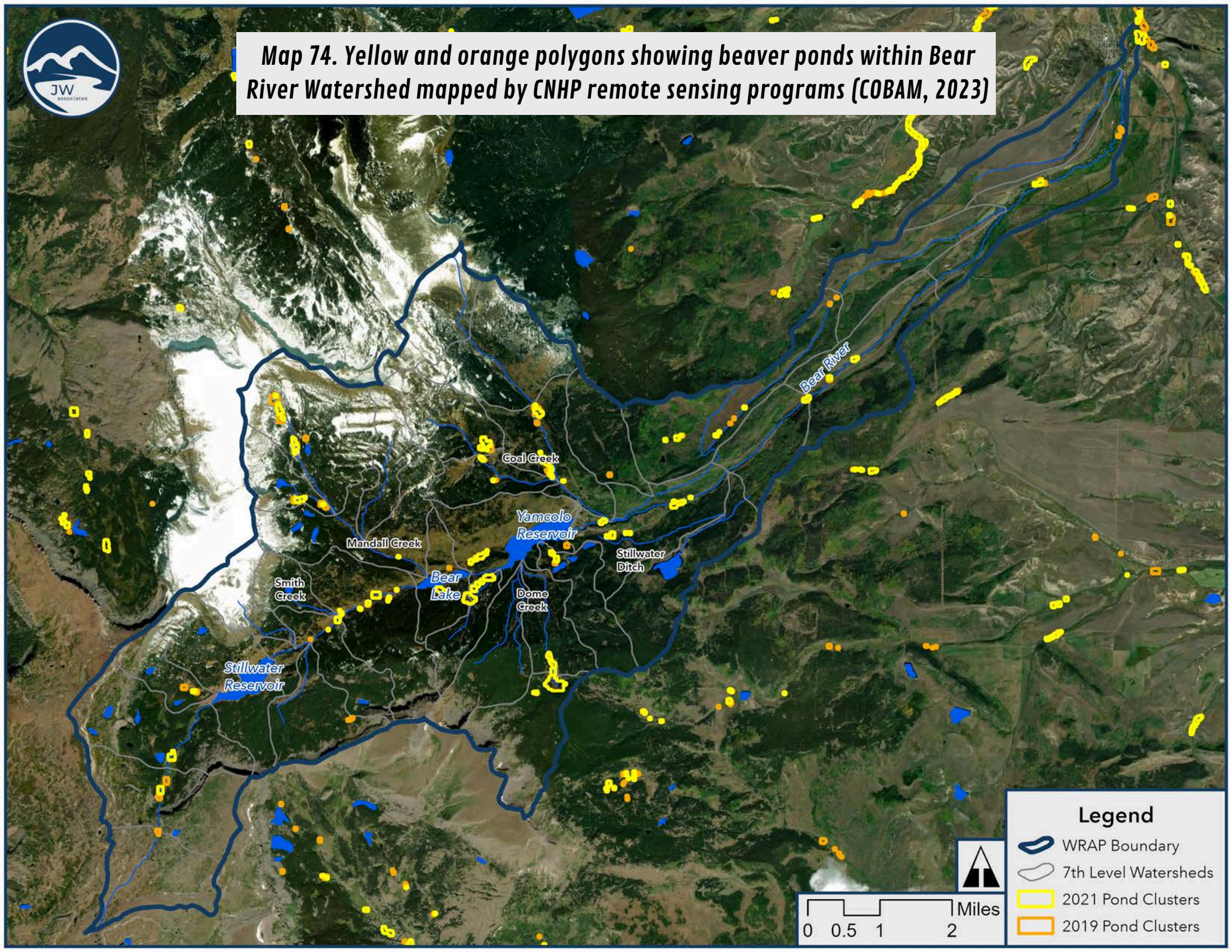
Map 71. Life and Property Risk Assessment Map



Map 72. Overall Susceptibility Risk Assessment Map

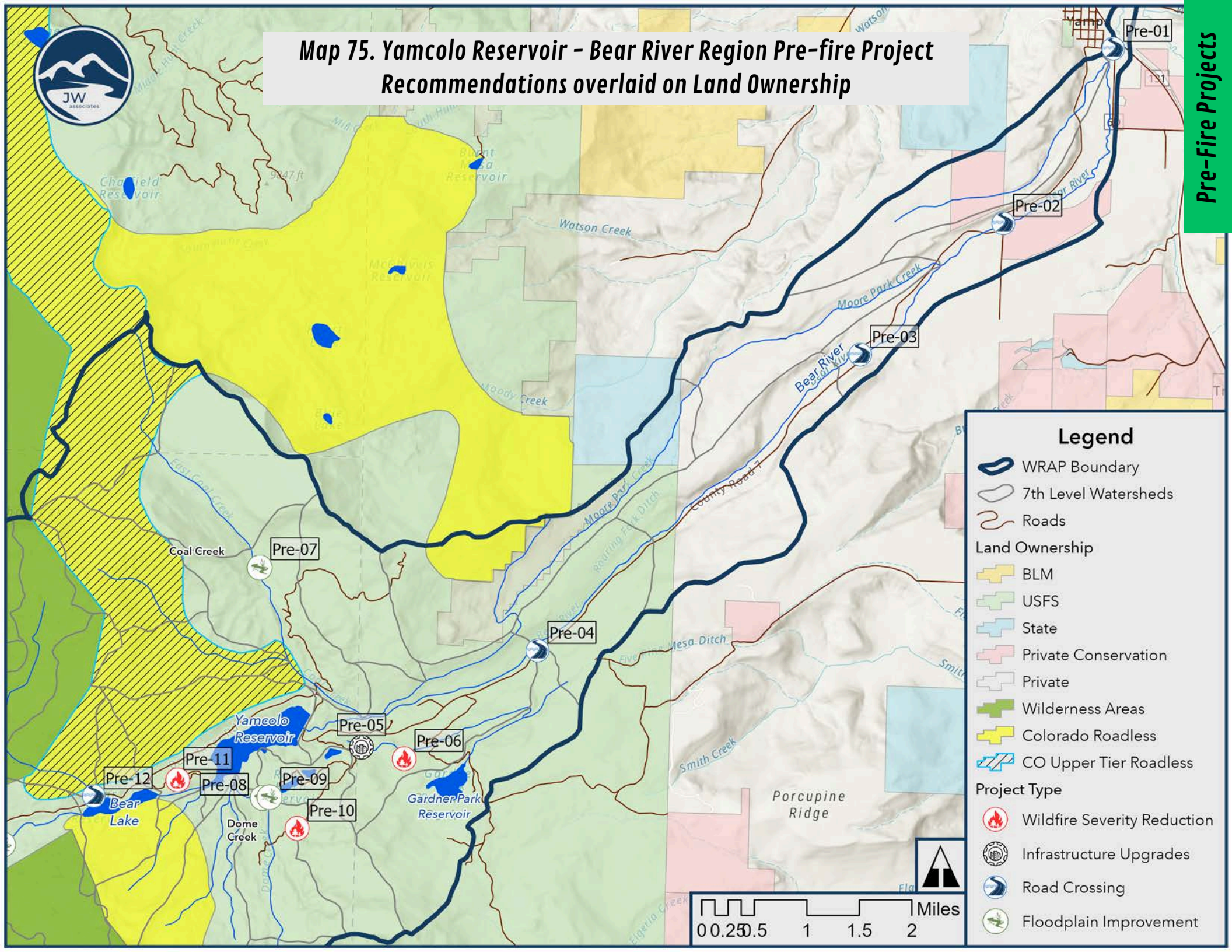



Map 73. Sites Visited in the Field for the WRAP
Bear River
Coal Creek
Yamcolo Reservoir
Mandall Creek
Bear Lake
Smith Creek
Dome Creek
Stillwater Ditch
Stillwater Reservoir
Legend
WRAP Boundary
7th Level Watersheds
Field Visit Locations
Stream Conditions Assessment
Watershed Conditions
Value at Risk
Road Crossing
Miles
0 0.5 1 2

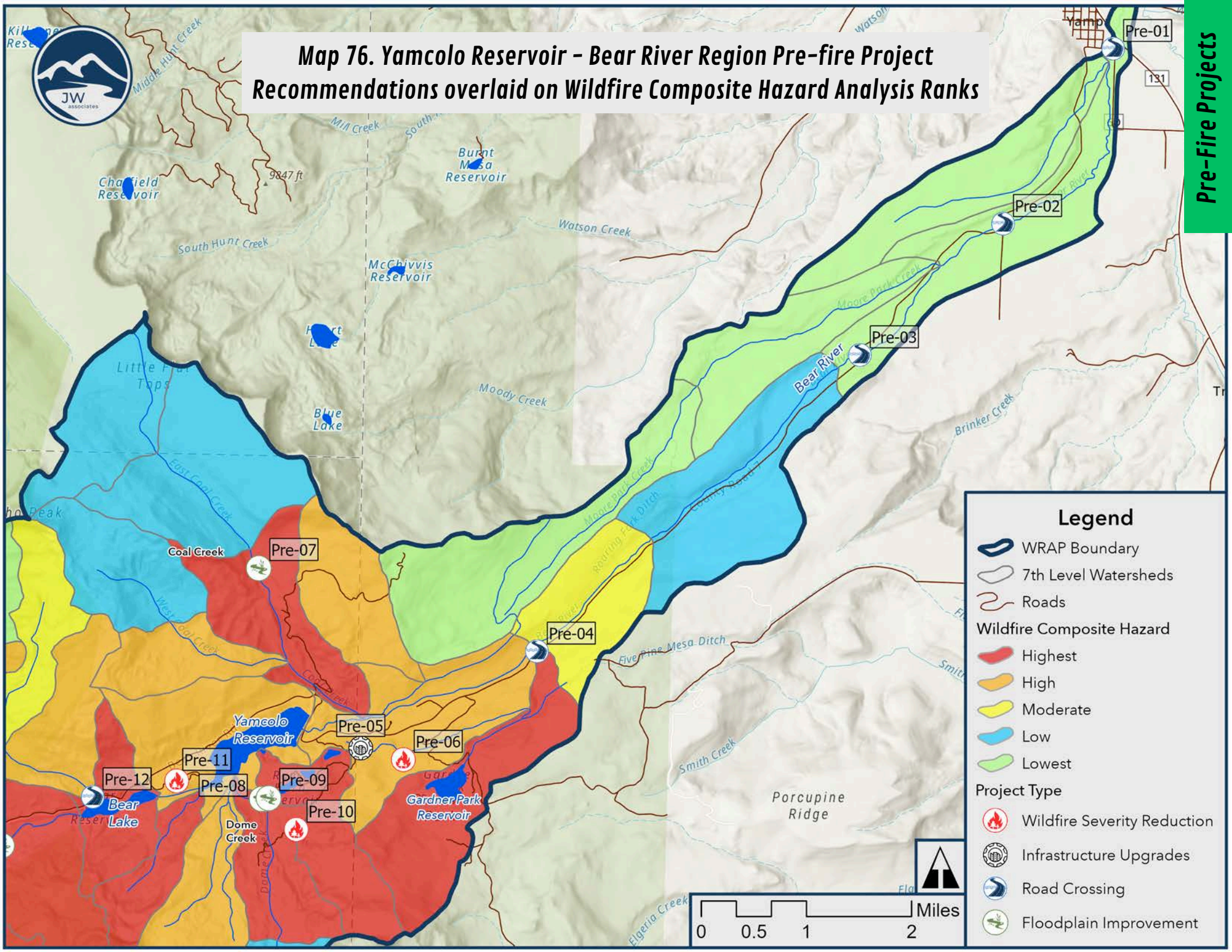


Map 74. Yellow and orange polygons showing beaver ponds within Bear River Watershed mapped by CNHP remote sensing programs (COBAM, 2023)

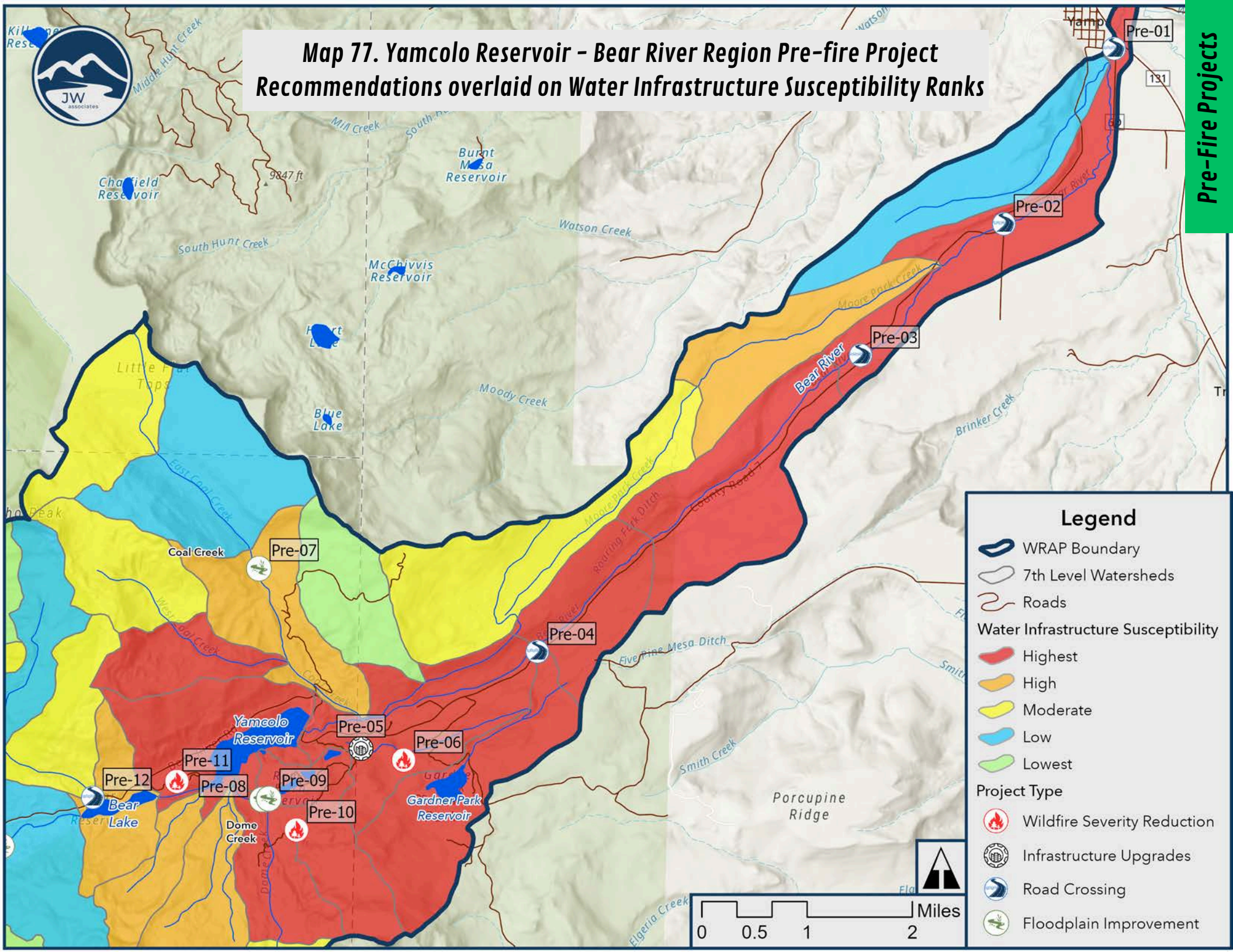
Map 75. Yamcolo Reservoir - Bear River Region Pre-fire Project Recommendations overlaid on Land Ownership



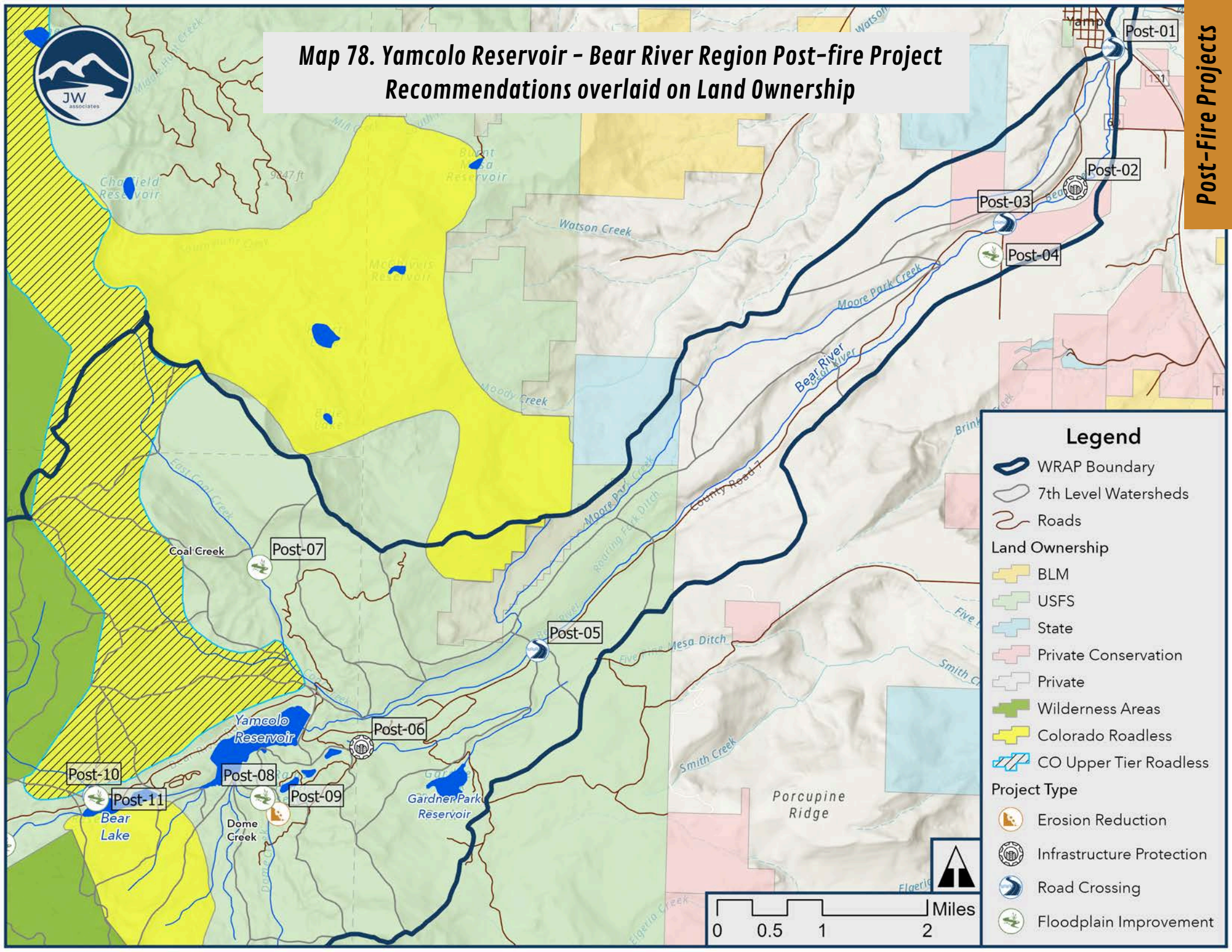
Map 76. Yamcolo Reservoir – Bear River Region Pre-fire Project Recommendations overlaid on Wildfire Composite Hazard Analysis Ranks



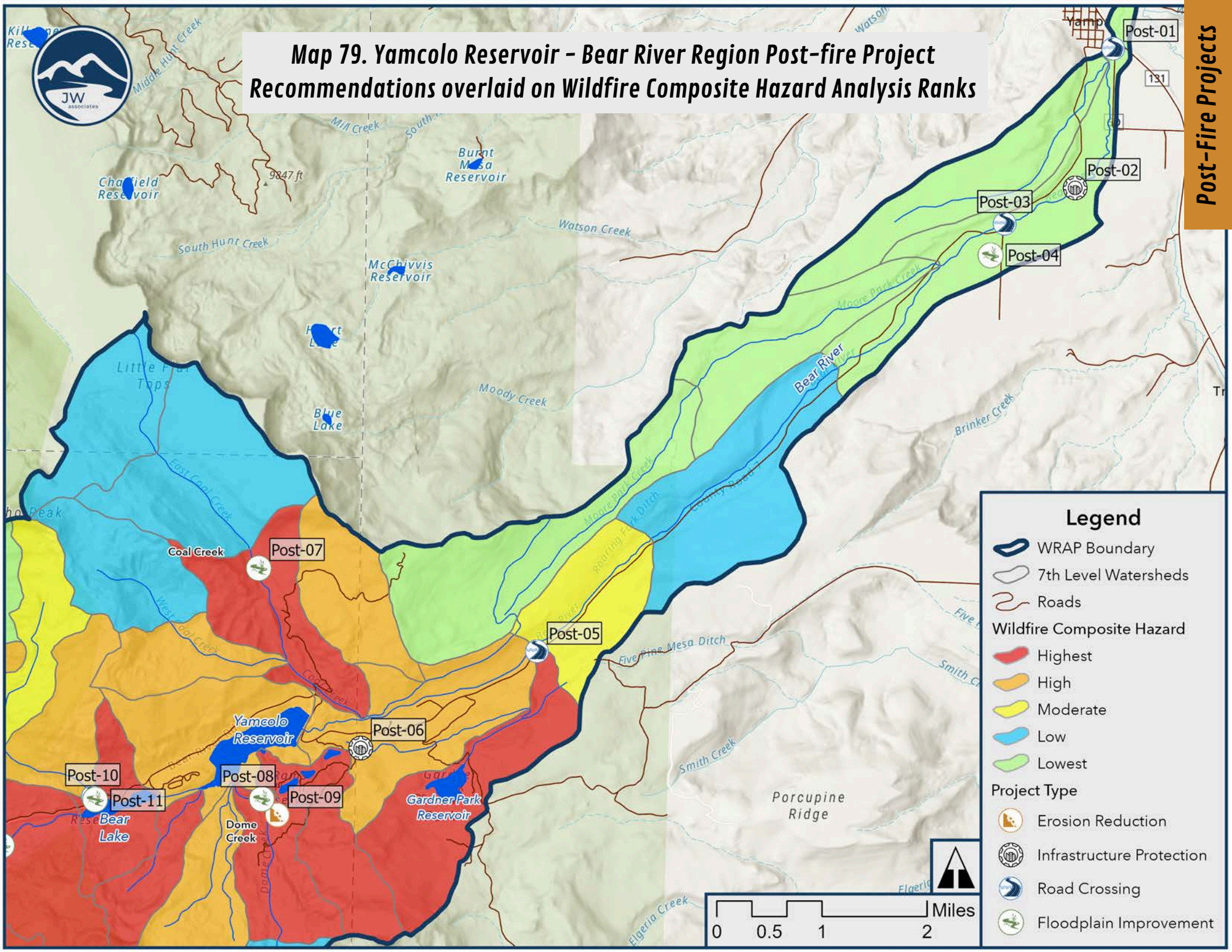
Map 77. Yamcolo Reservoir – Bear River Region Pre-fire Project Recommendations overlaid on Water Infrastructure Susceptibility Ranks



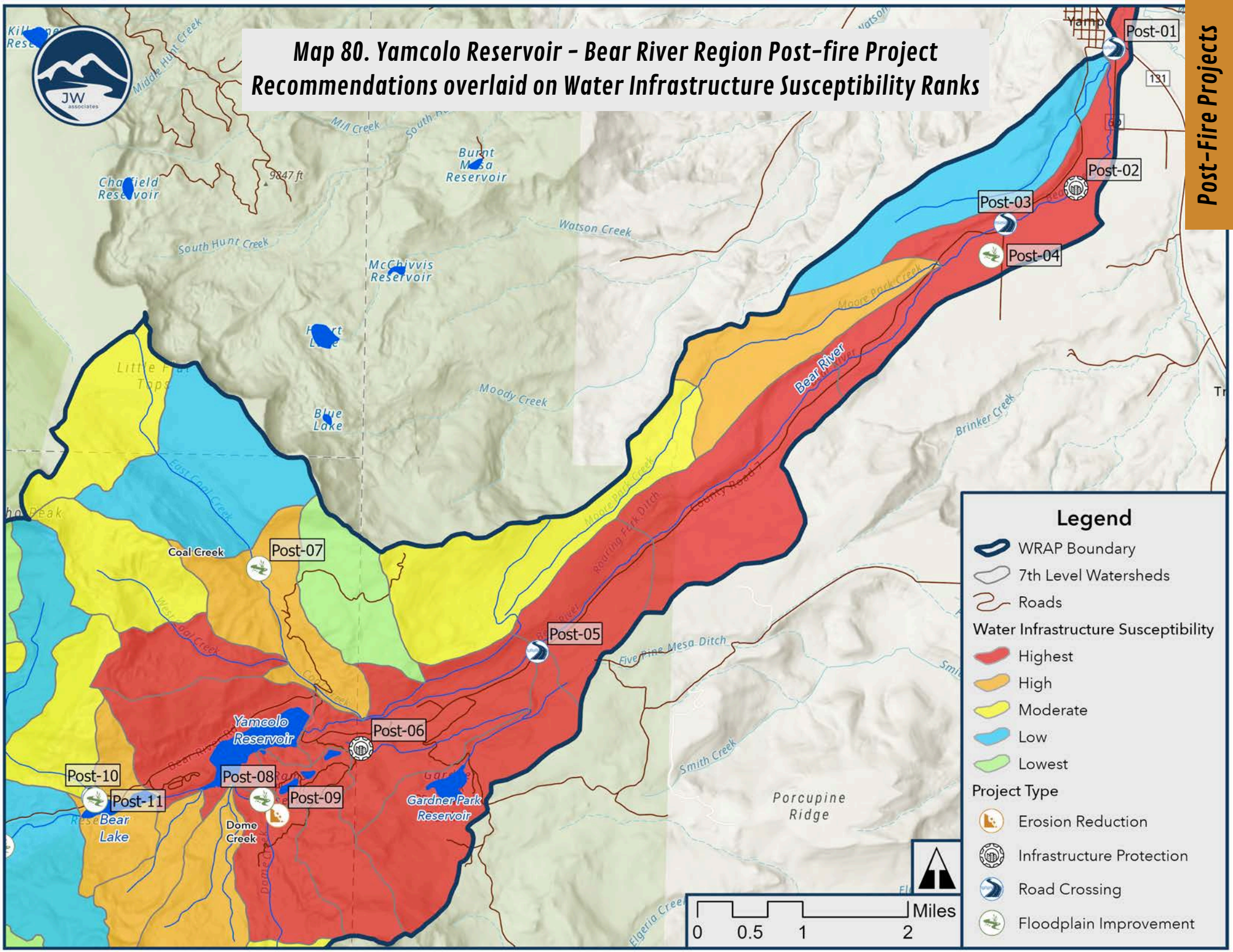
Map 78. Yamcolo Reservoir – Bear River Region Post-fire Project Recommendations overlaid on Land Ownership

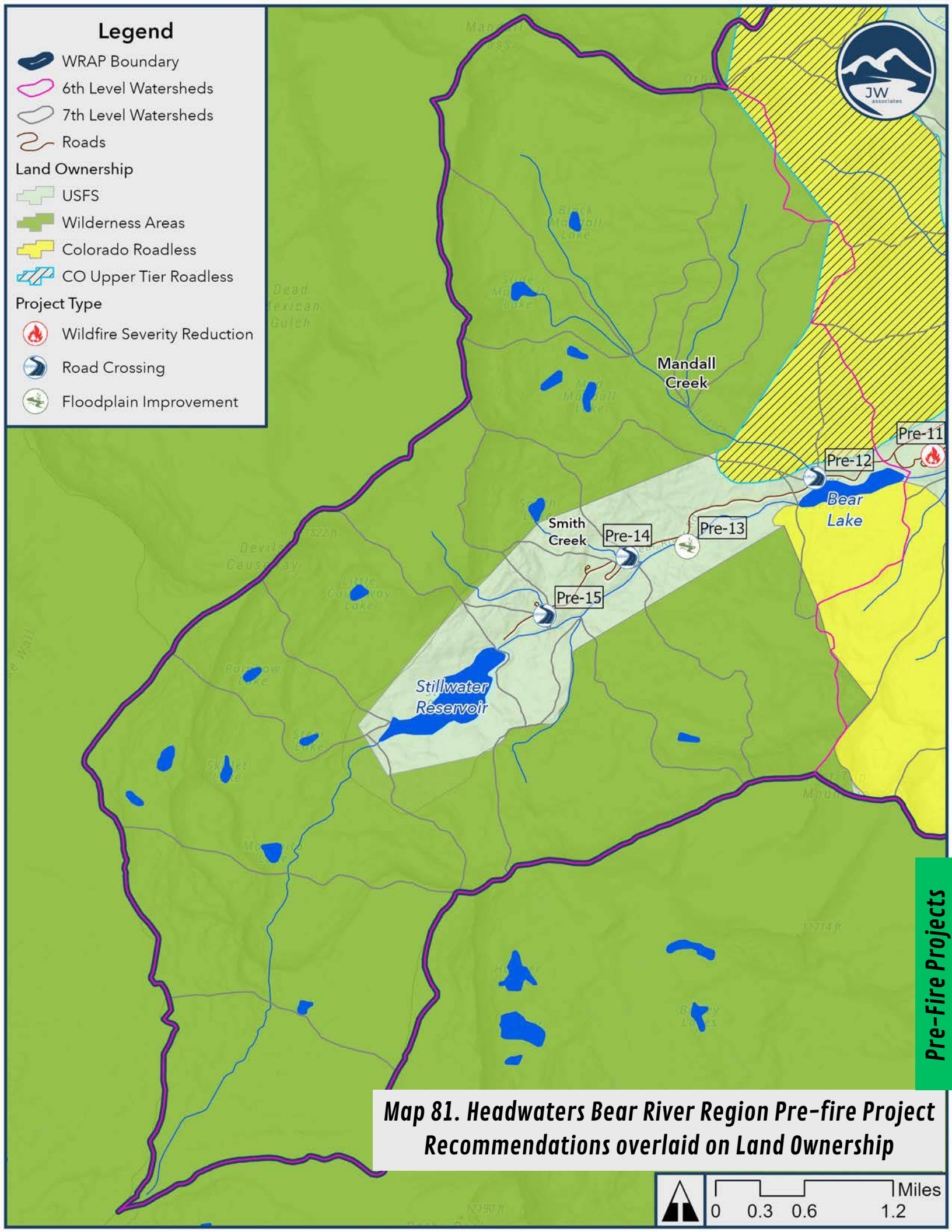


Map 79. Yamcolo Reservoir – Bear River Region Post-fire Project Recommendations overlaid on Wildfire Composite Hazard Analysis Ranks

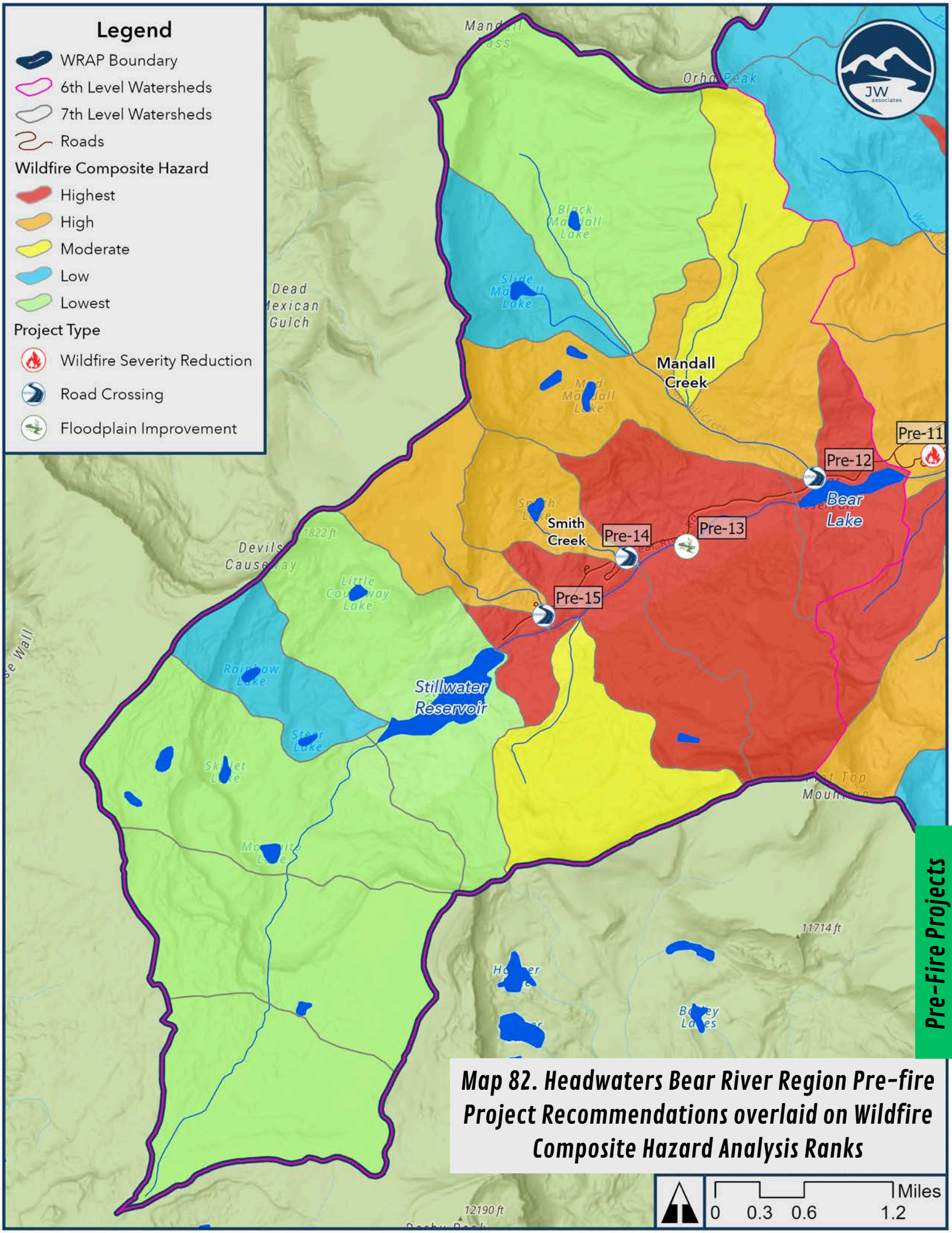


Map 80. Yamcolo Reservoir – Bear River Region Post-fire Project Recommendations overlaid on Water Infrastructure Susceptibility Ranks

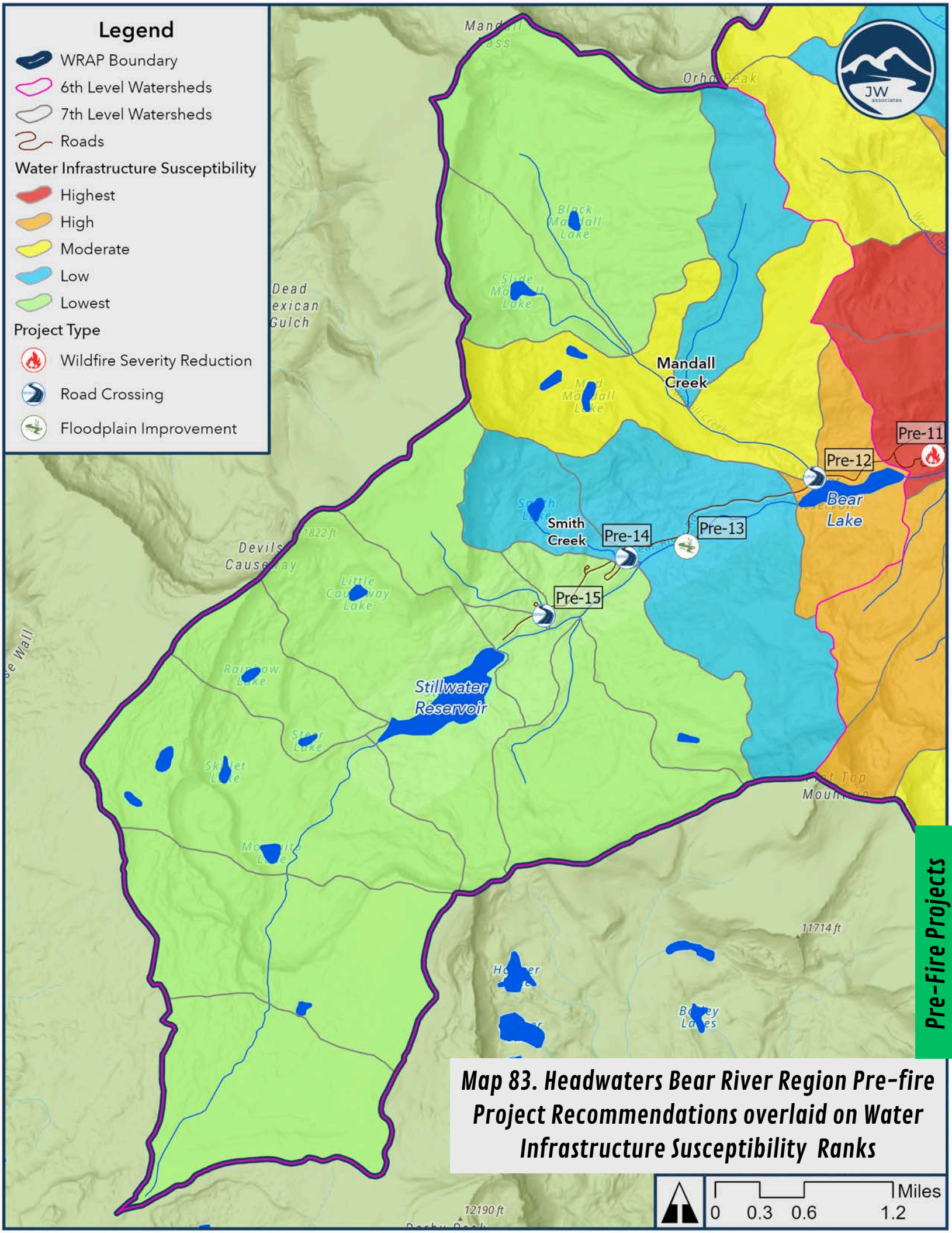




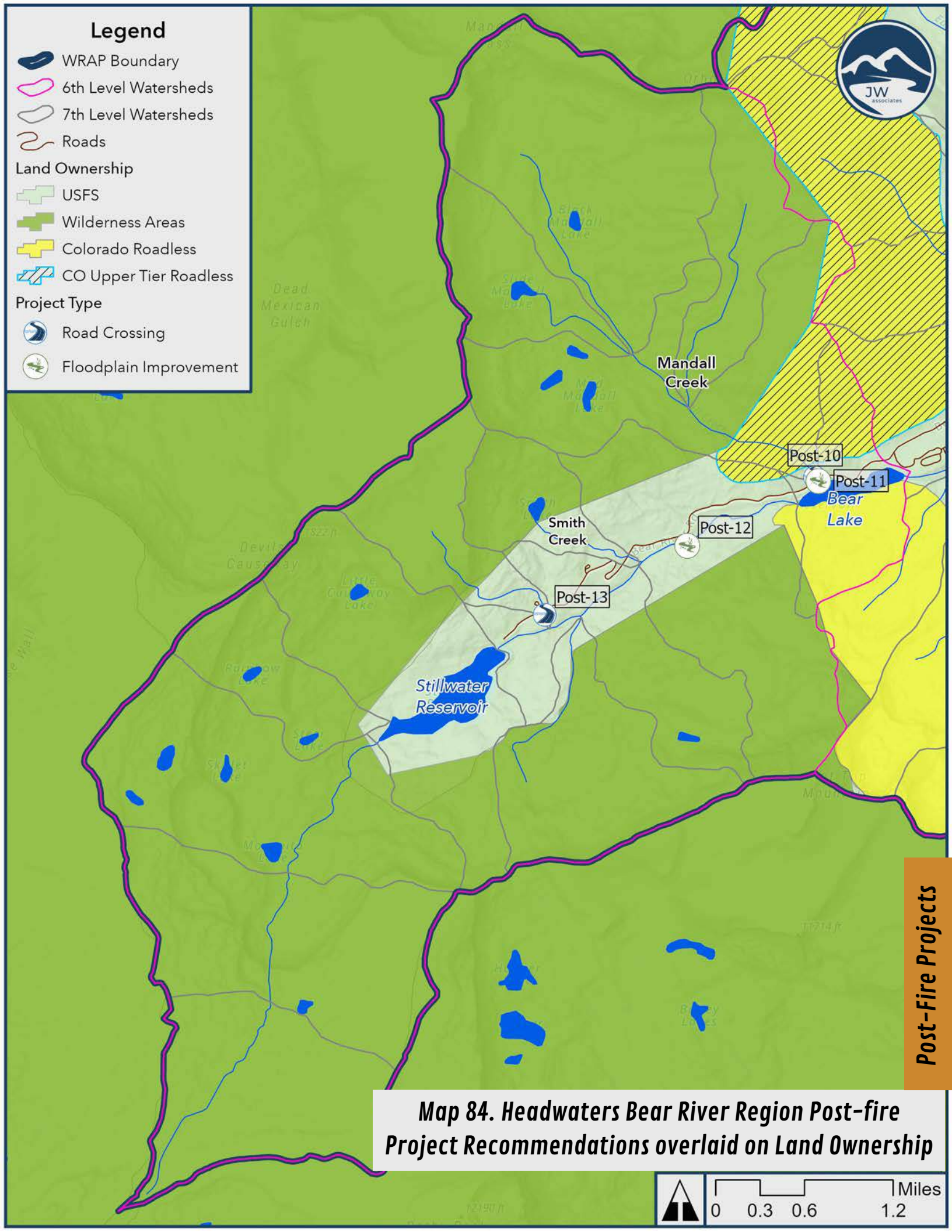
Map 81. Headwaters Bear River Region Pre-fire Project Recommendations overlaid on Land Ownership



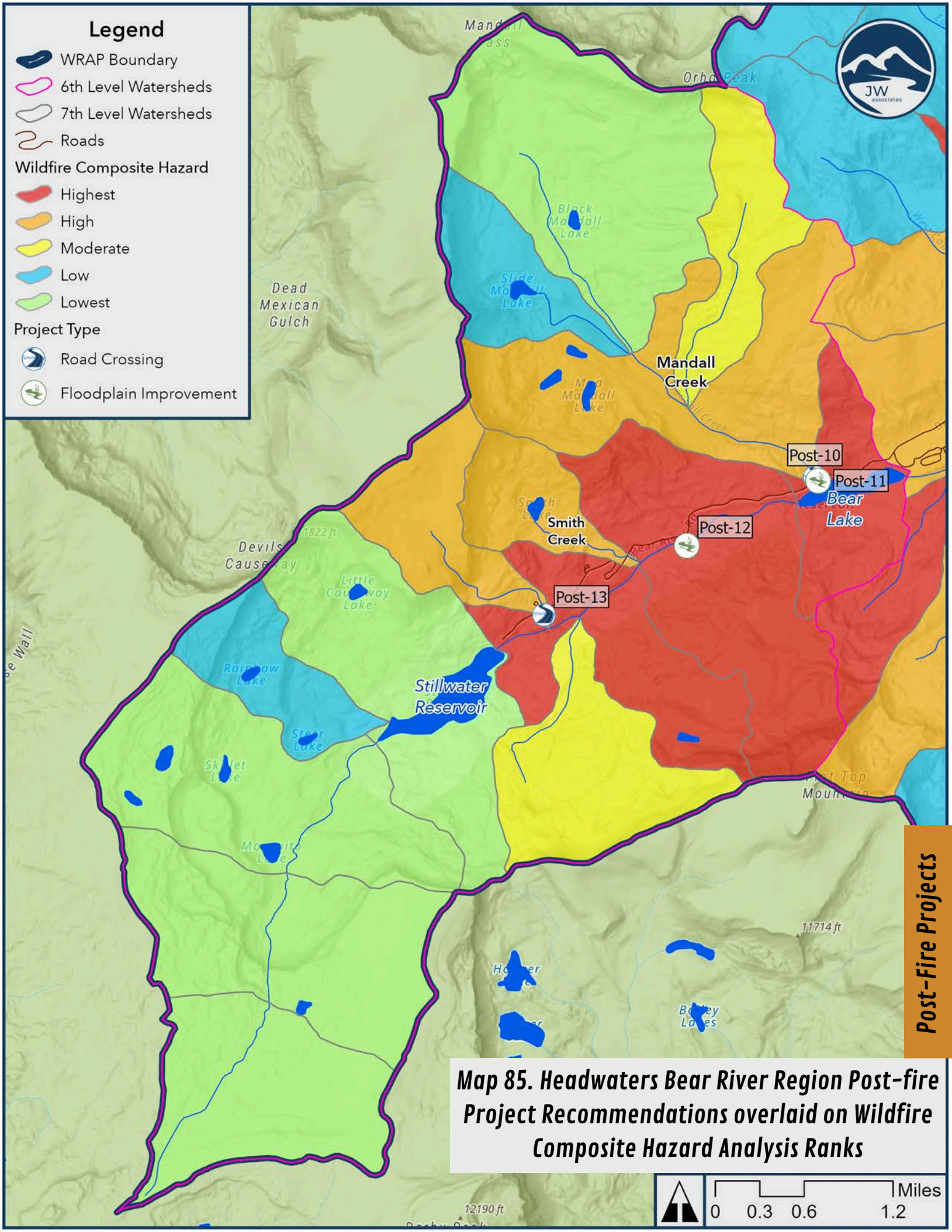
Map 82. Headwaters Bear River Region Pre-fire Project Recommendations overlaid on Wildfire Composite Hazard Analysis Ranks



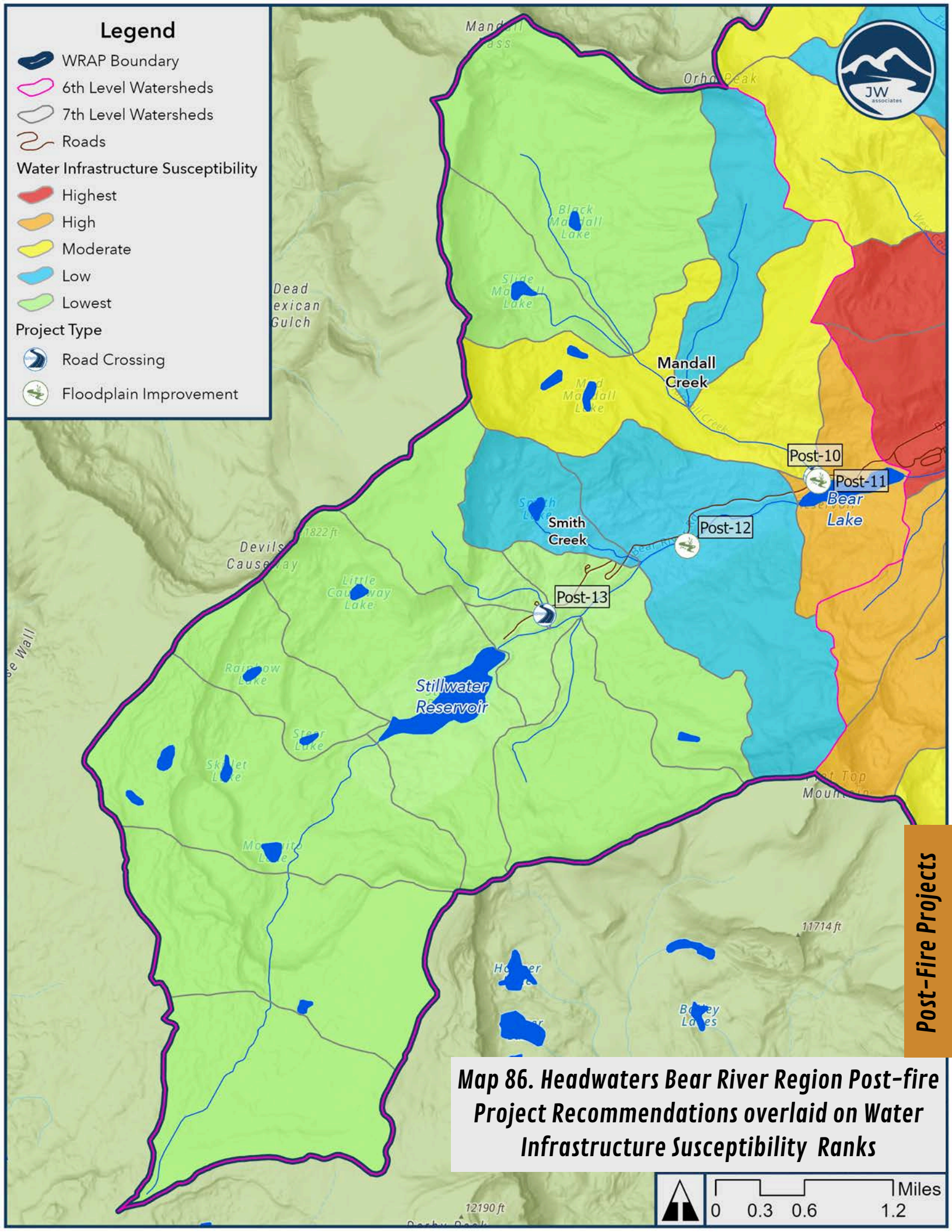
Map 83. Headwaters Bear River Region Pre-fire Project Recommendations overlaid on Water Infrastructure Susceptibility Ranks



Map 84. Headwaters Bear River Region Post-fire Project Recommendations overlaid on Land Ownership



Map 85. Headwaters Bear River Region Post-fire Project Recommendations overlaid on Wildfire Composite Hazard Analysis Ranks



Map 86. Headwaters Bear River Region Post-fire Project Recommendations overlaid on Water Infrastructure Susceptibility Ranks