

Figure 1. Location Map, Montanore Project, Kootenai National Forest.

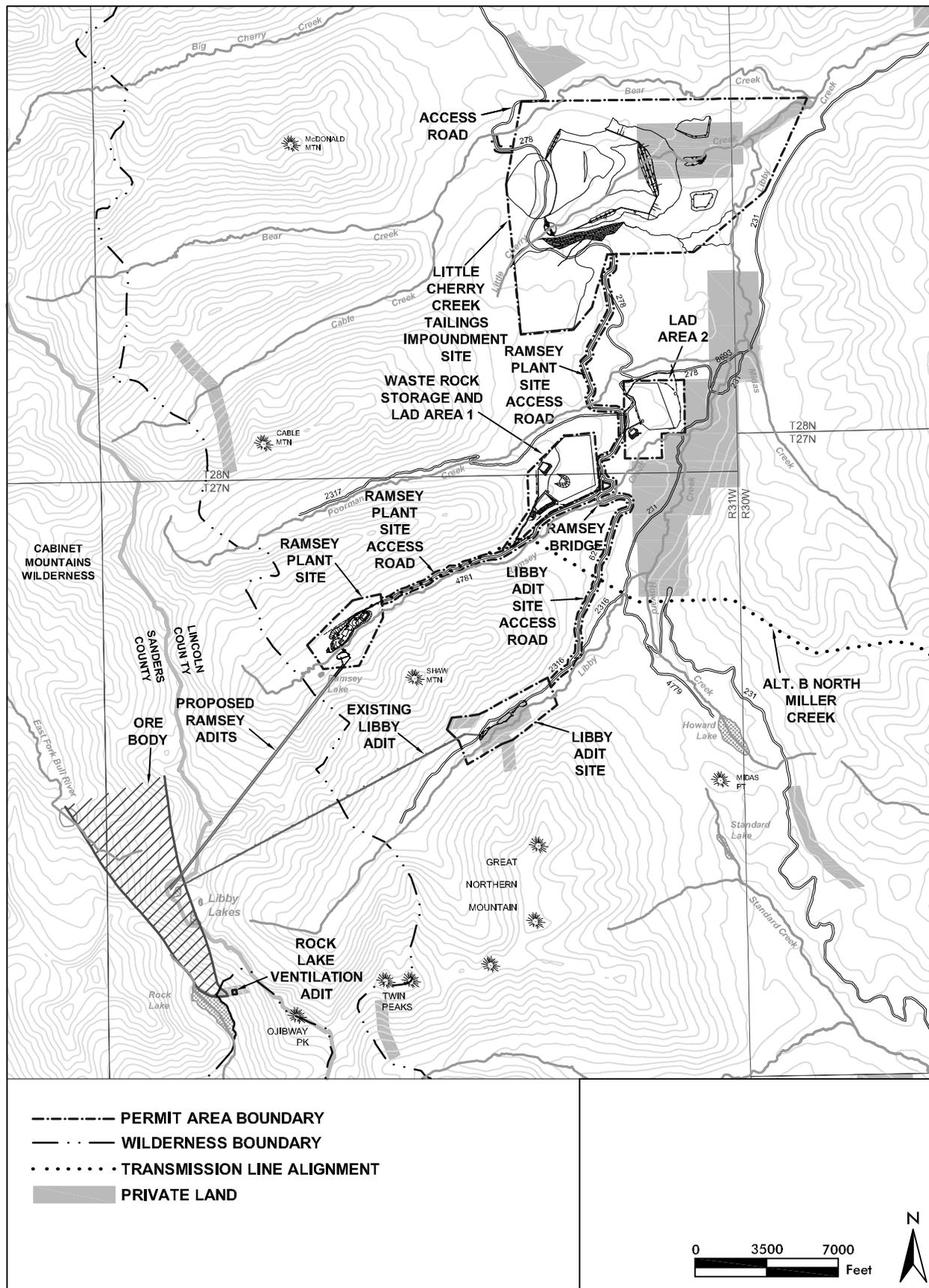


Figure 3. Mine Facilities and Permit Areas, Alternative 2

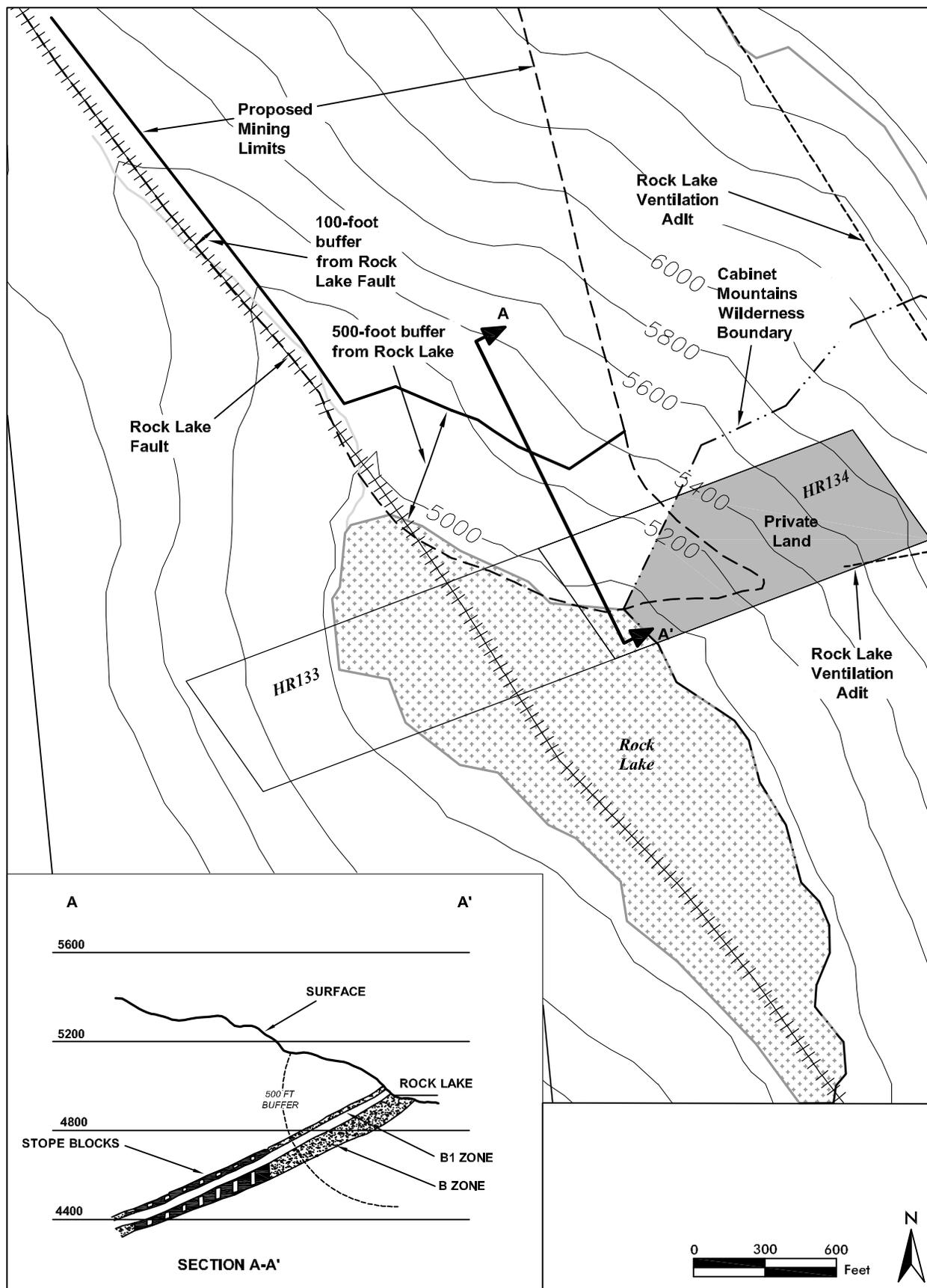


Figure 11. Relationship of the Ore Body to Rock Lake

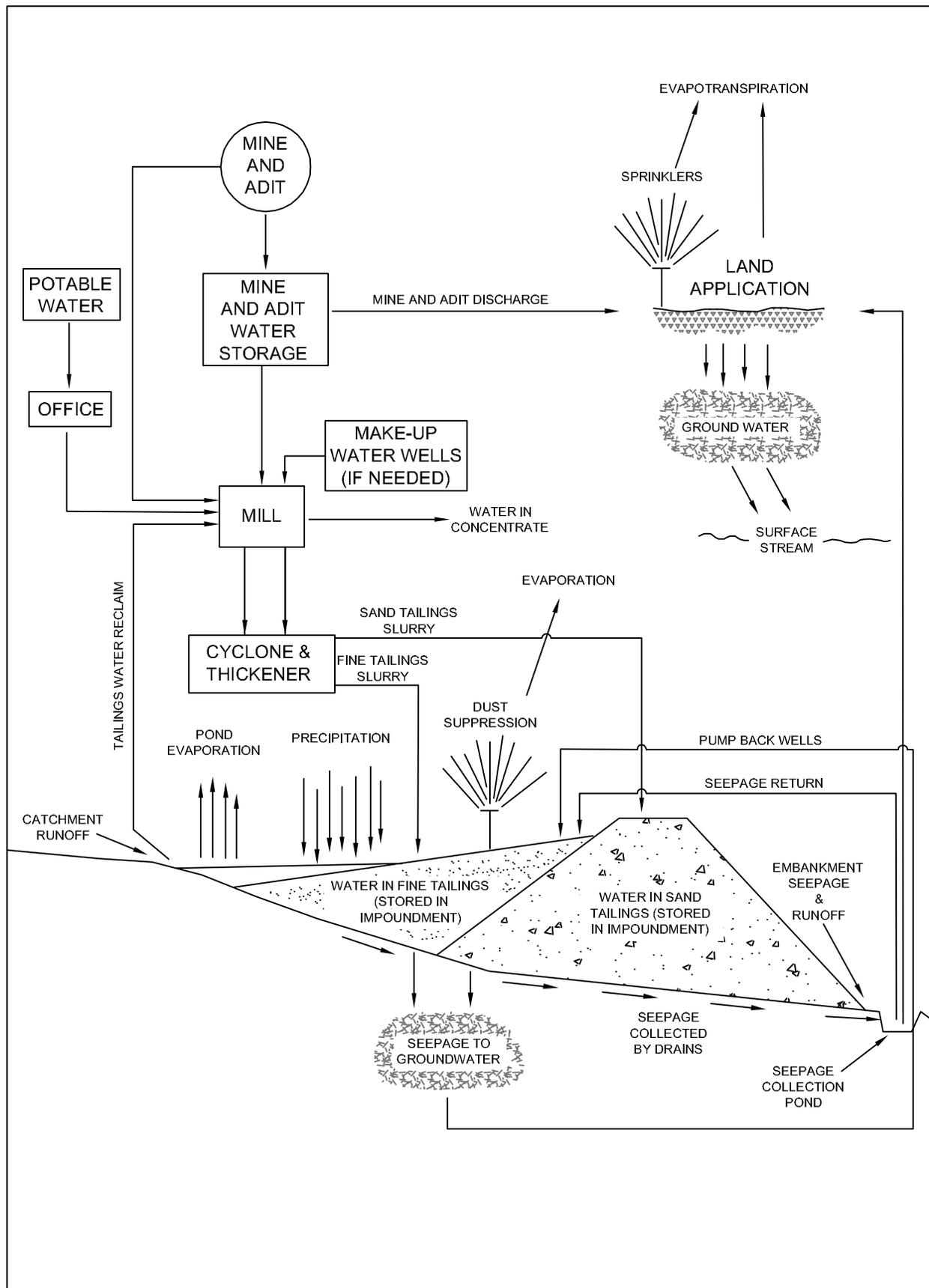


Figure 14. Proposed Water Management, Alternative 2

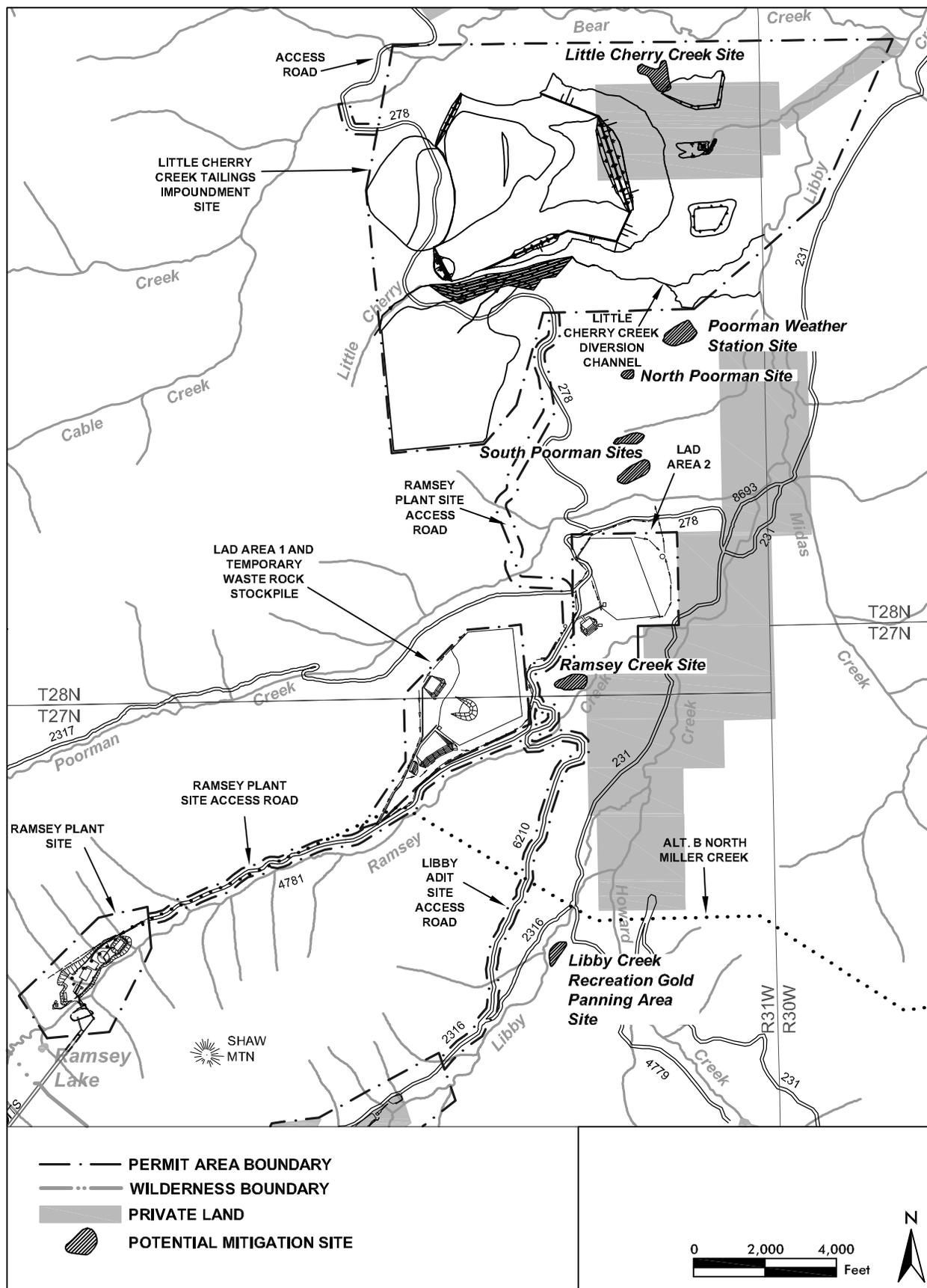


Figure 21. Potential Wetland Mitigation Sites, Alternative 2

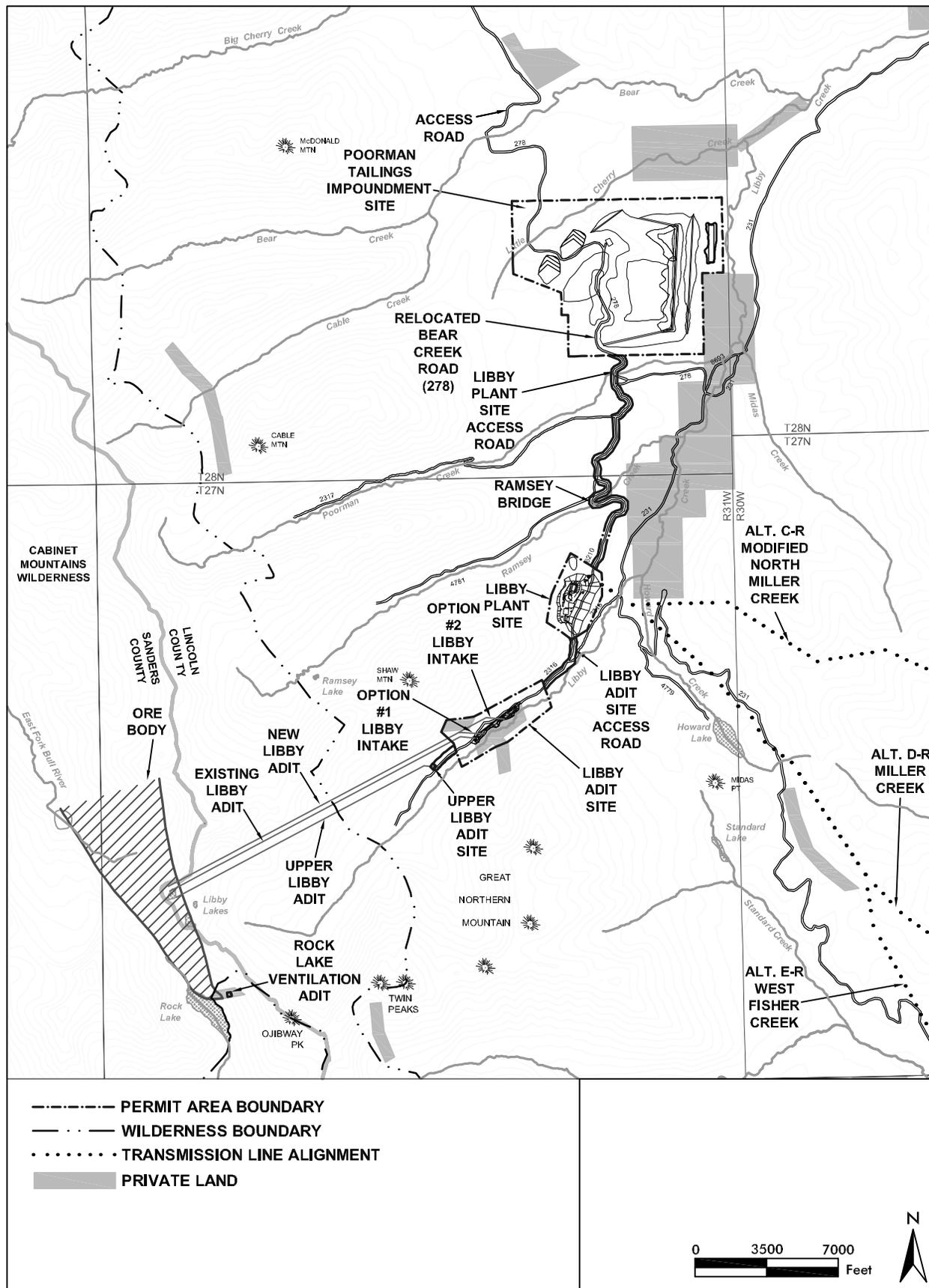


Figure 23. Mine Facilities and Permit Areas, Alternative 3

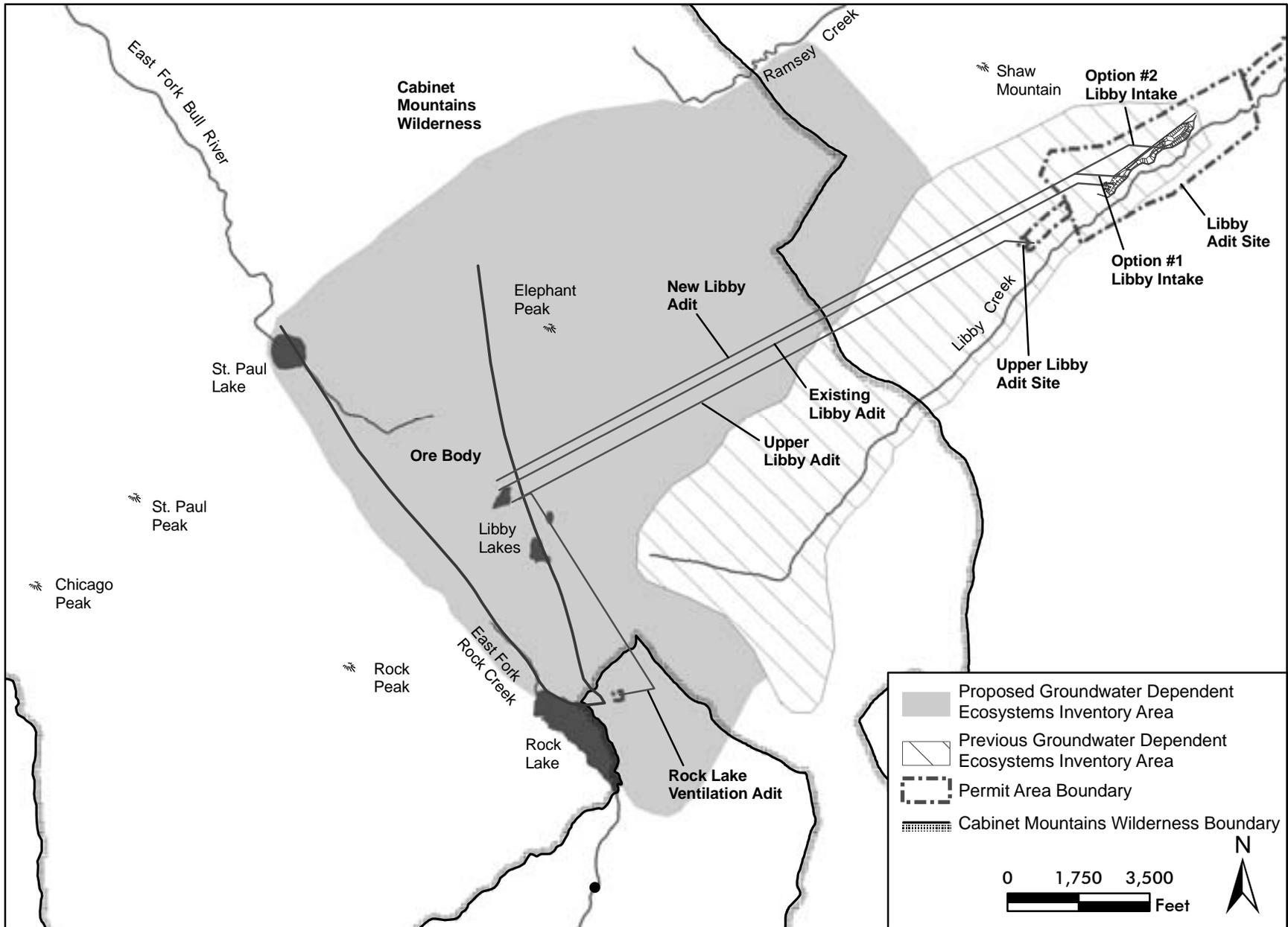


Figure 32. Previous and Proposed Groundwater Dependent Ecosystems Inventory Areas, Alternatives 3 and 4

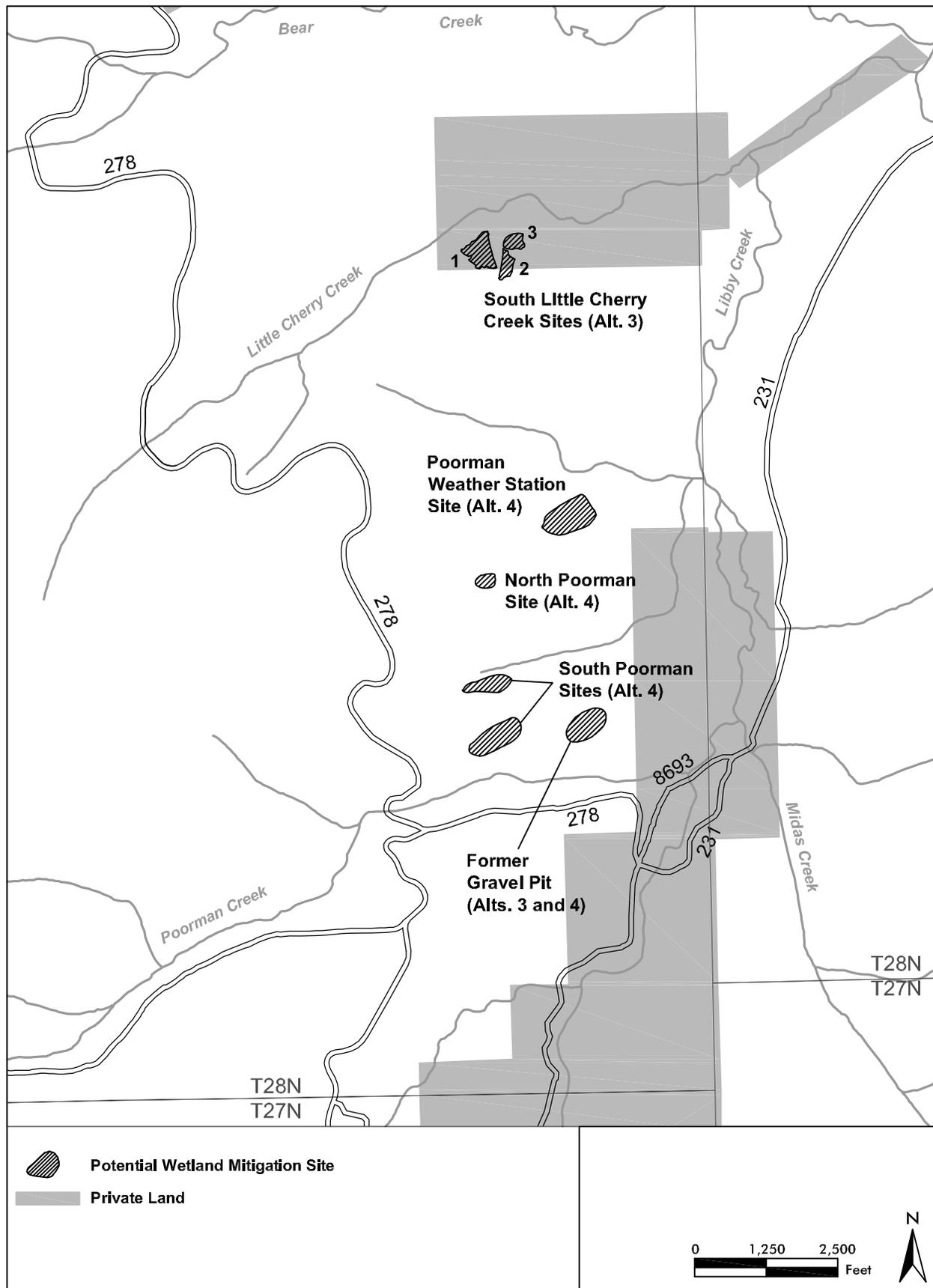


Figure 33. Potential Wetland Mitigation Sites, Alternatives 3 and 4

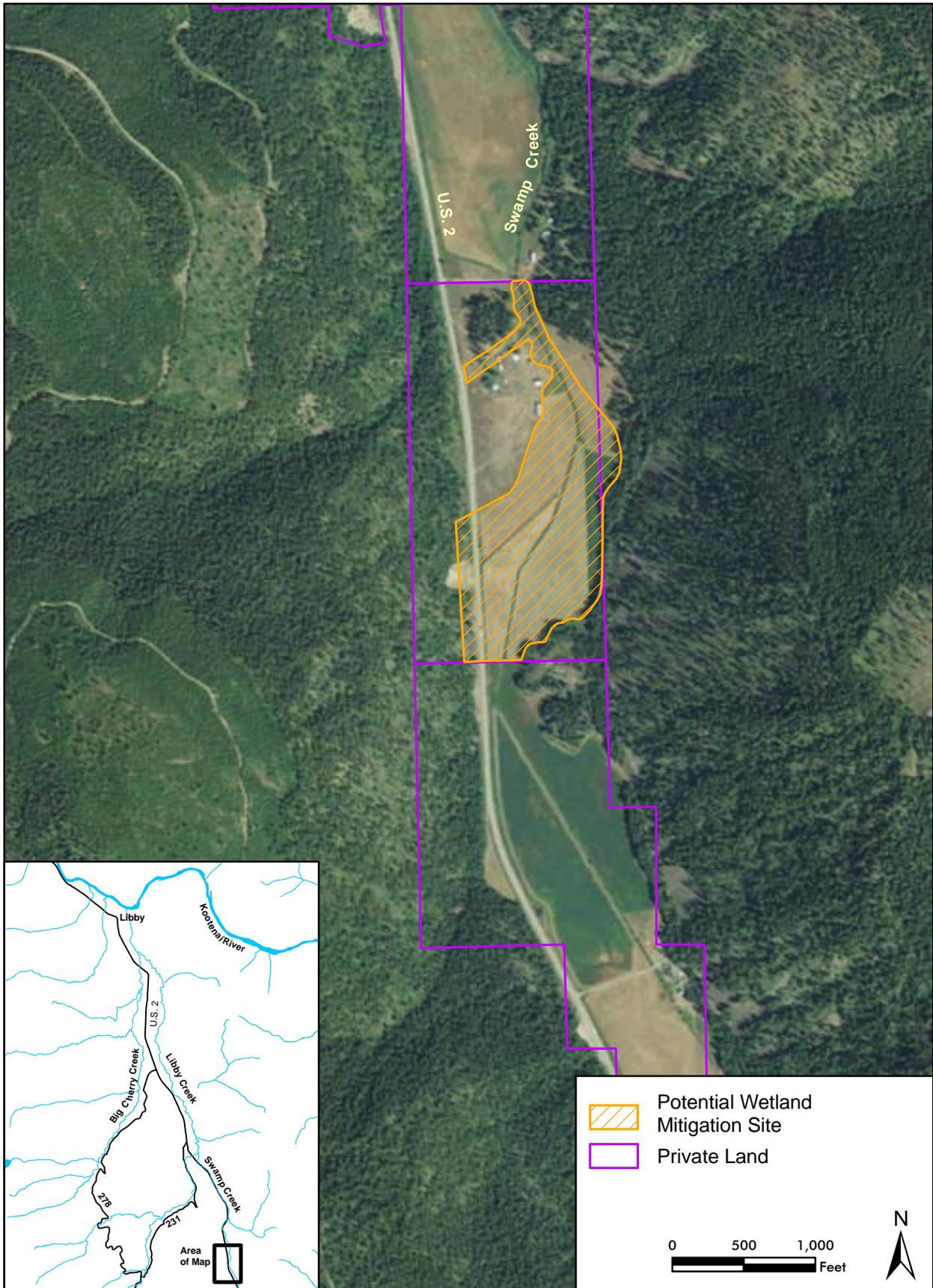


Figure 34. Potential Swamp Creek Wetland Mitigation Site, Alternatives 3 and 4

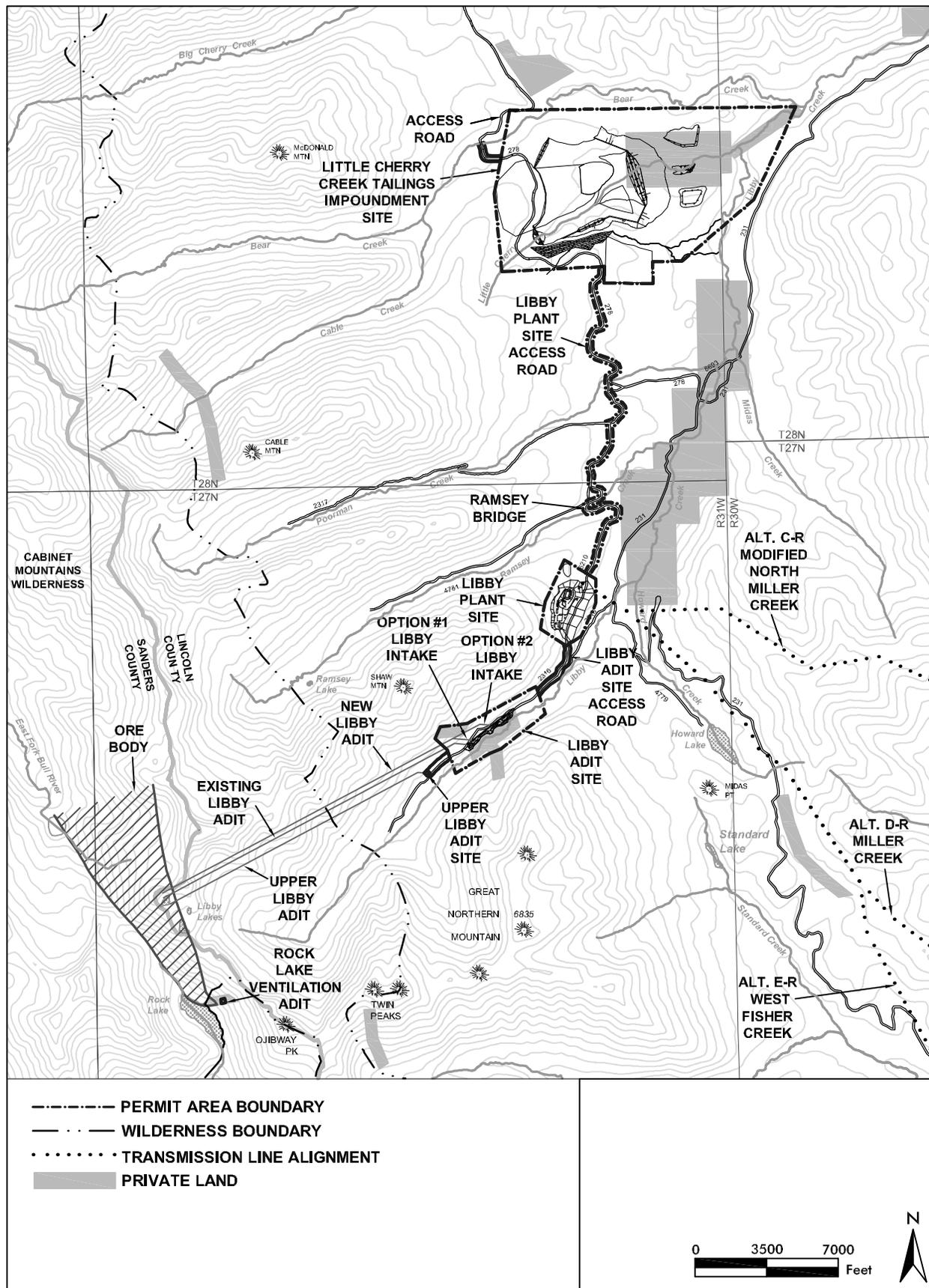


Figure 36. Mine Facilities and Permit Areas, Alternative 4

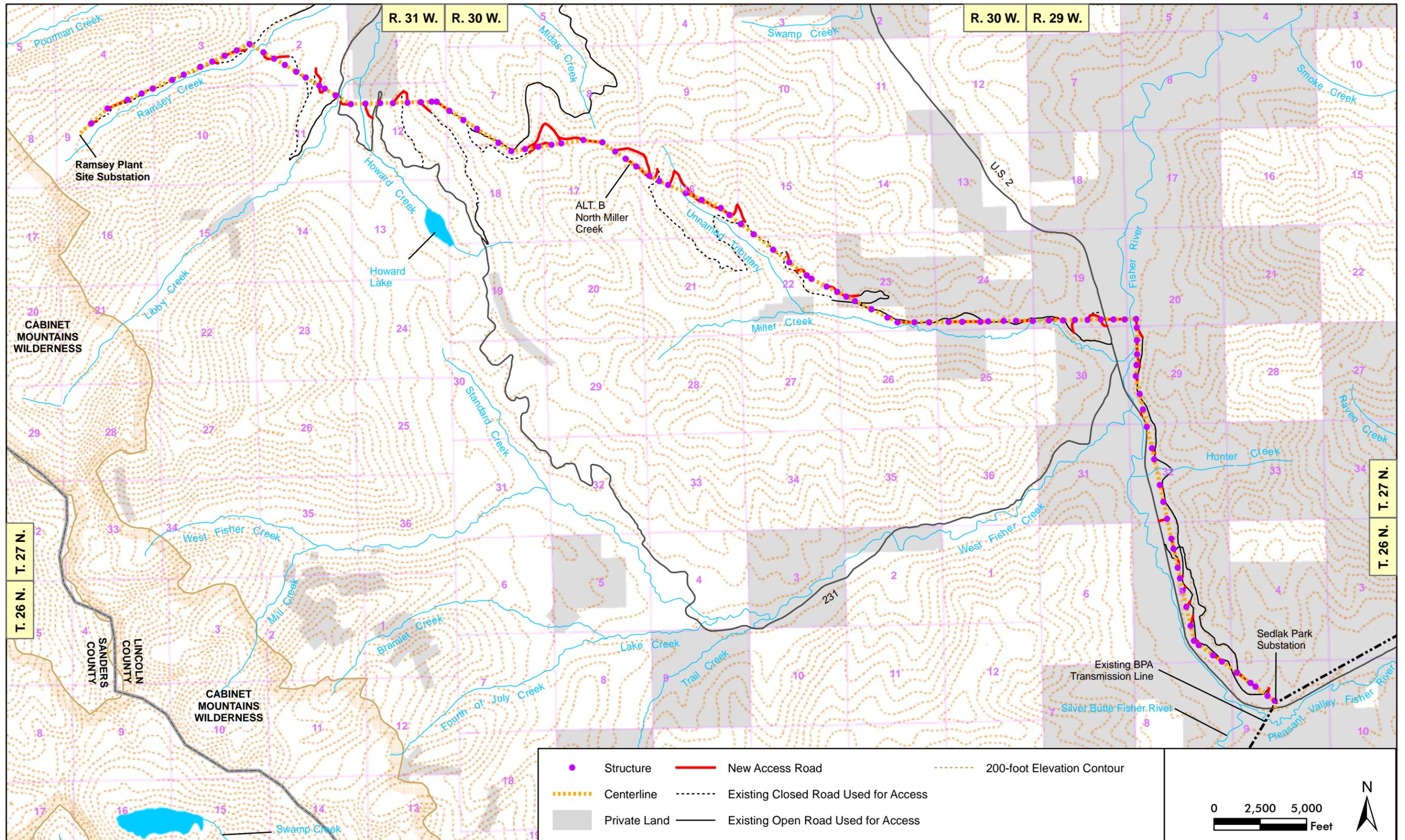
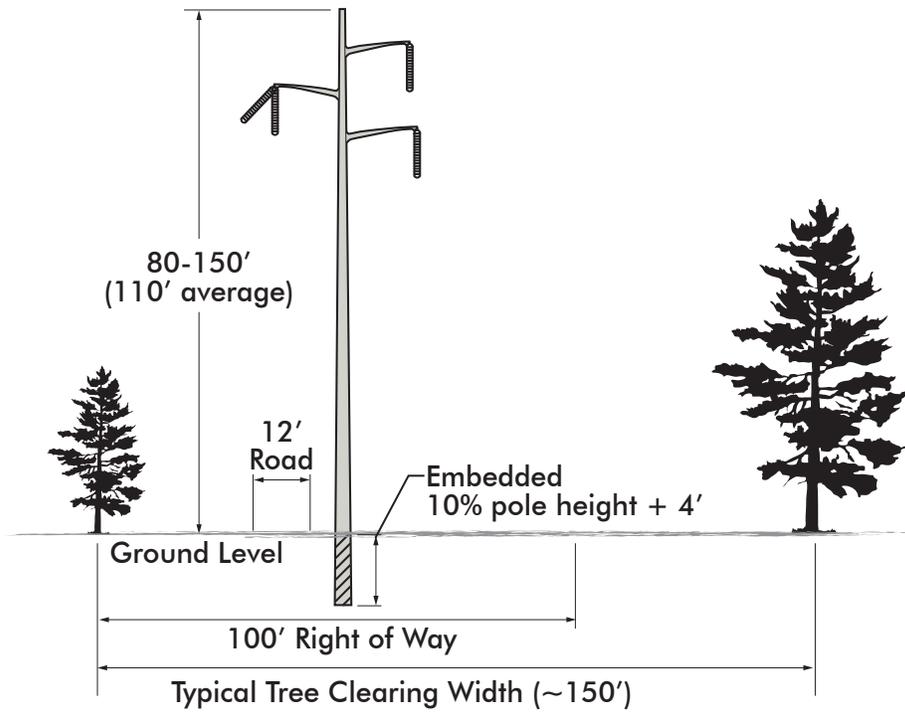
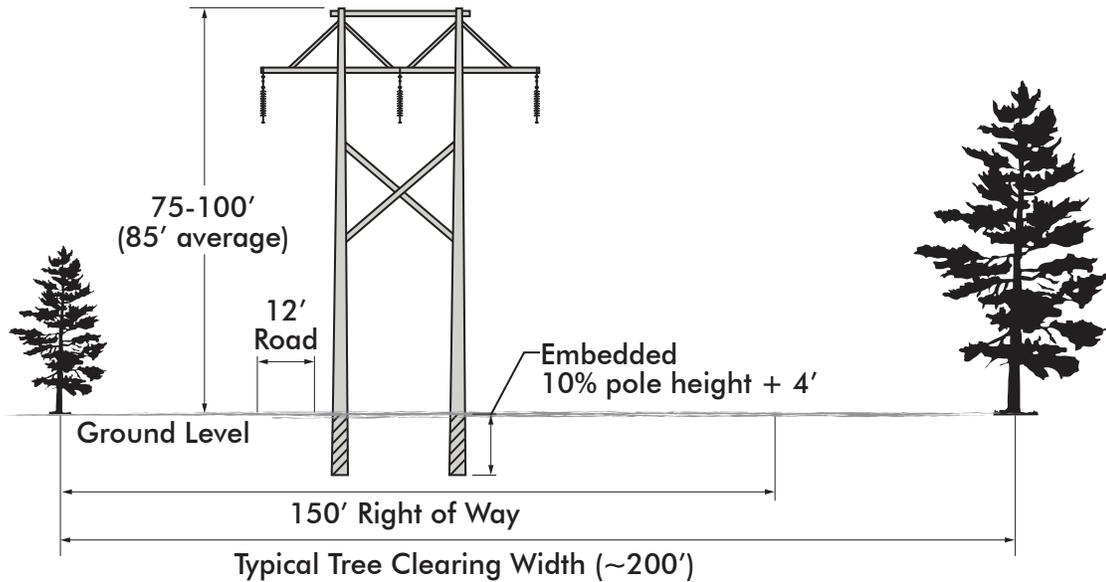


Figure 41. North Miller Creek Alignment, Structures, and Access Roads, Alternative B

Monopole Structure



H-Frame Structure



Note: most shrubs would not require clearing on either structure type.



Figure 43. Transmission Line Right-of-Way and Clearing Requirements

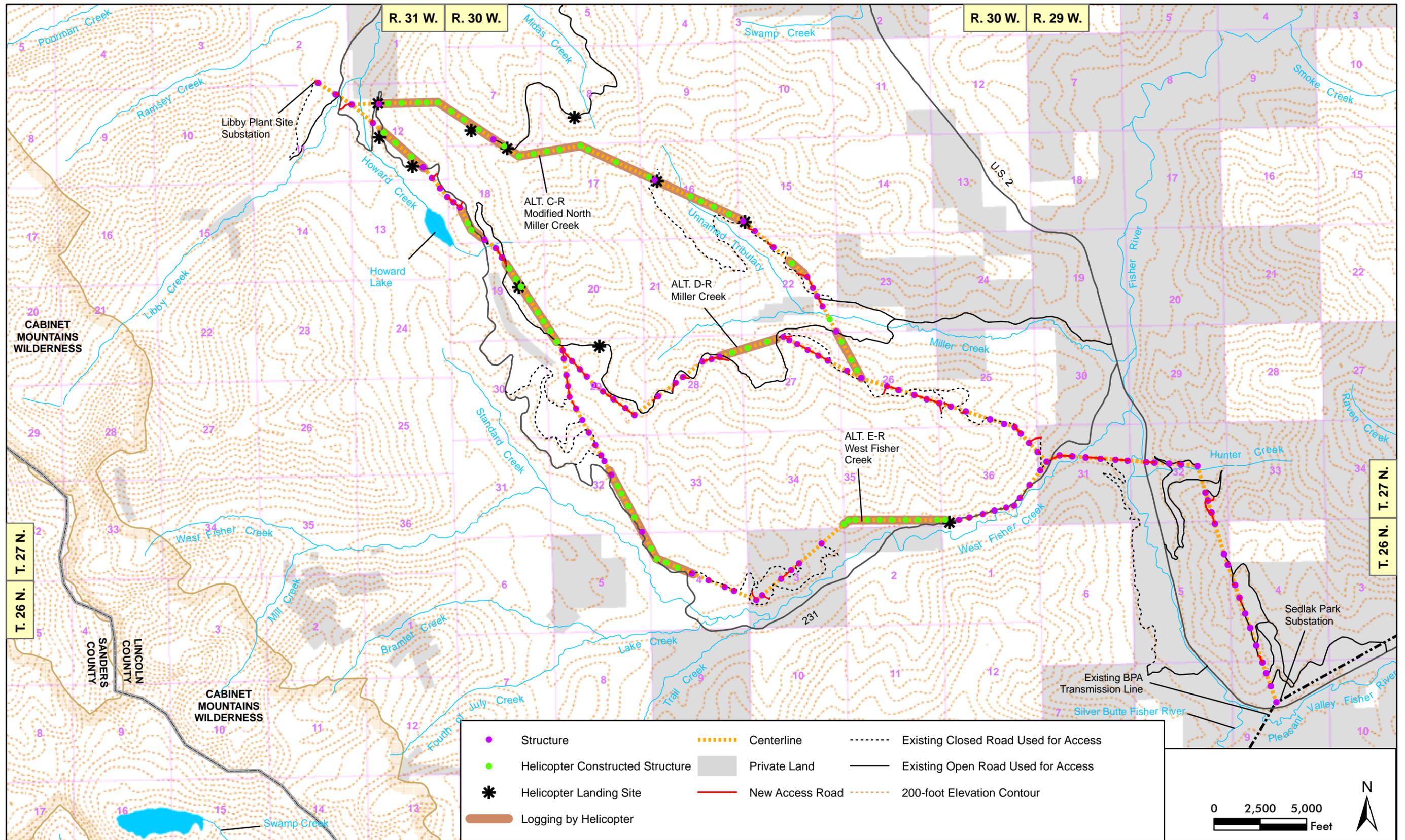


Figure 44. Transmission Line Alignment, Structures, and Access Roads, Alternatives C-R, D-R, E-R

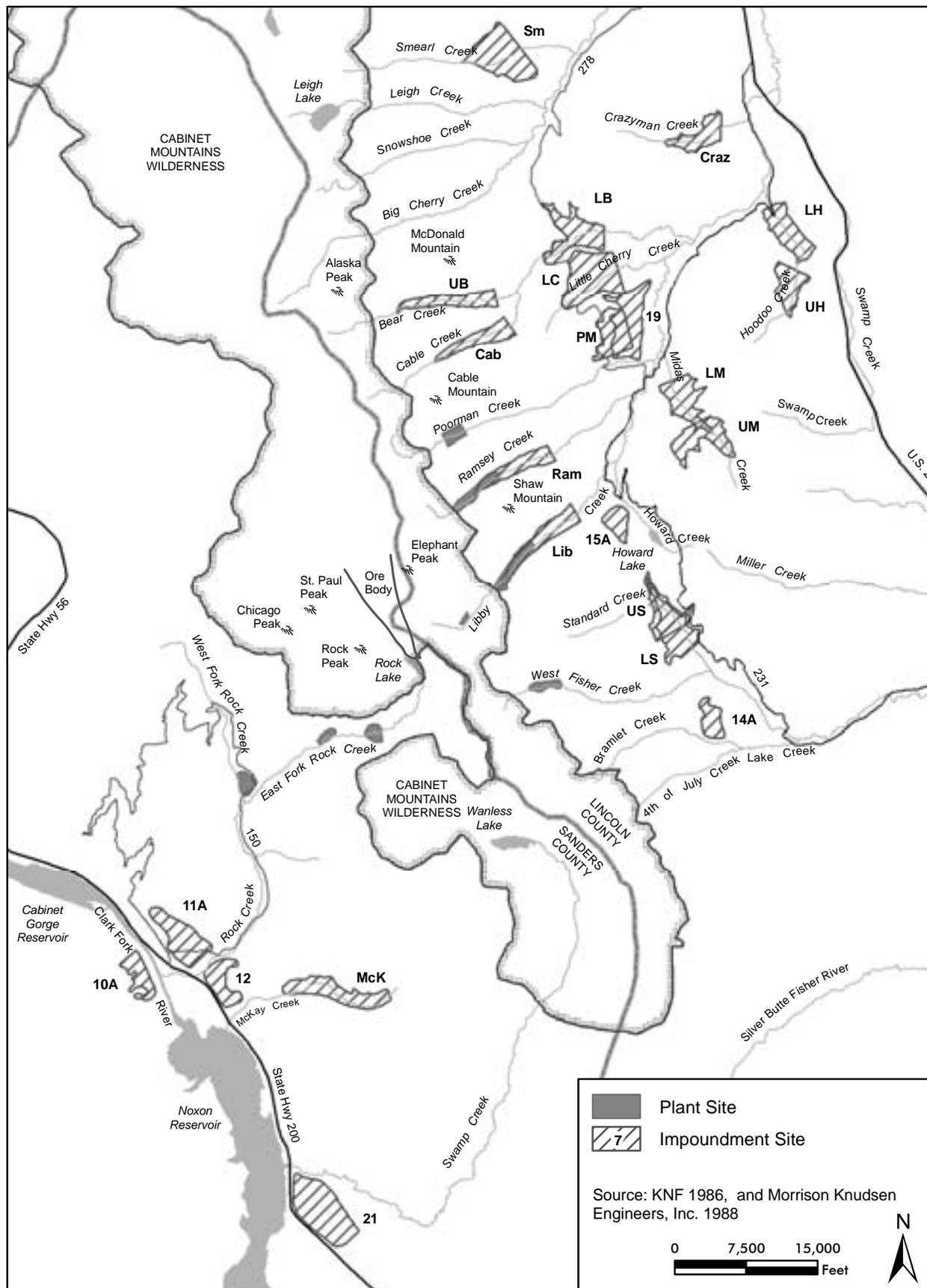


Figure 46. Plant and Impoundment Sites Evaluated in the Initial Screening

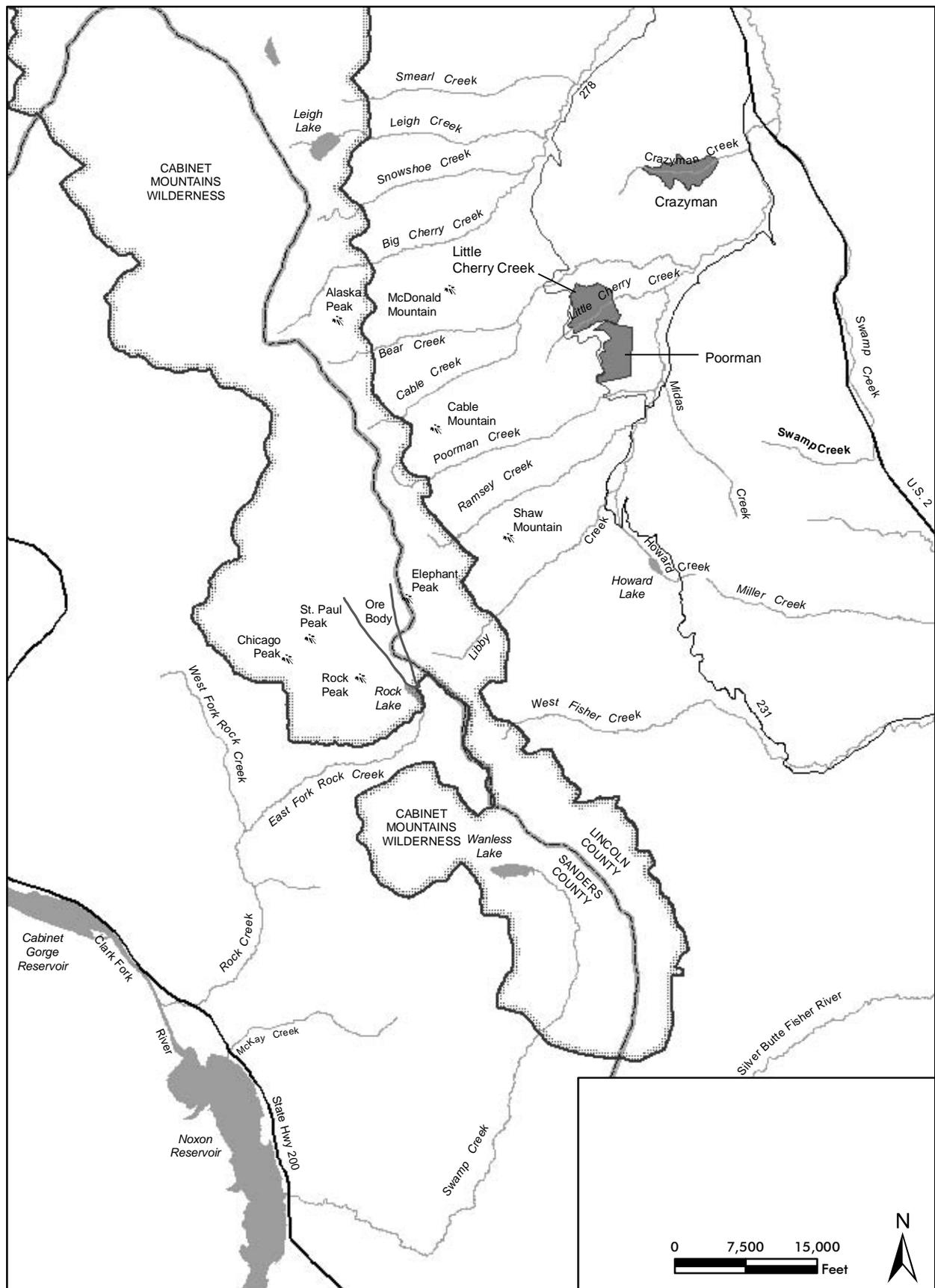


Figure 47. Tailings Impoundment Sites Evaluated in the Detailed Screening

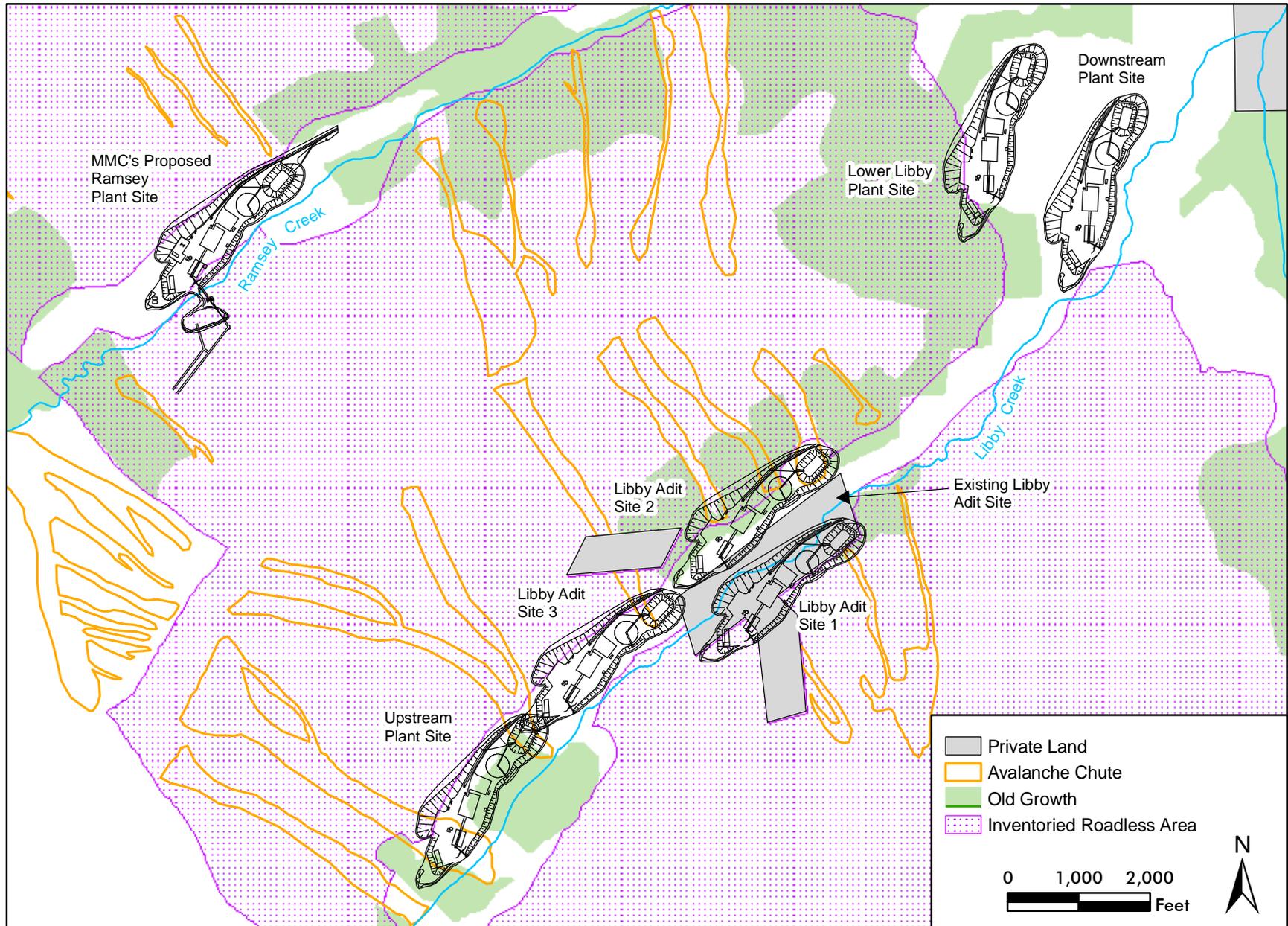


Figure 48. Plant Sites Evaluated in Upper Libby Creek for this EIS

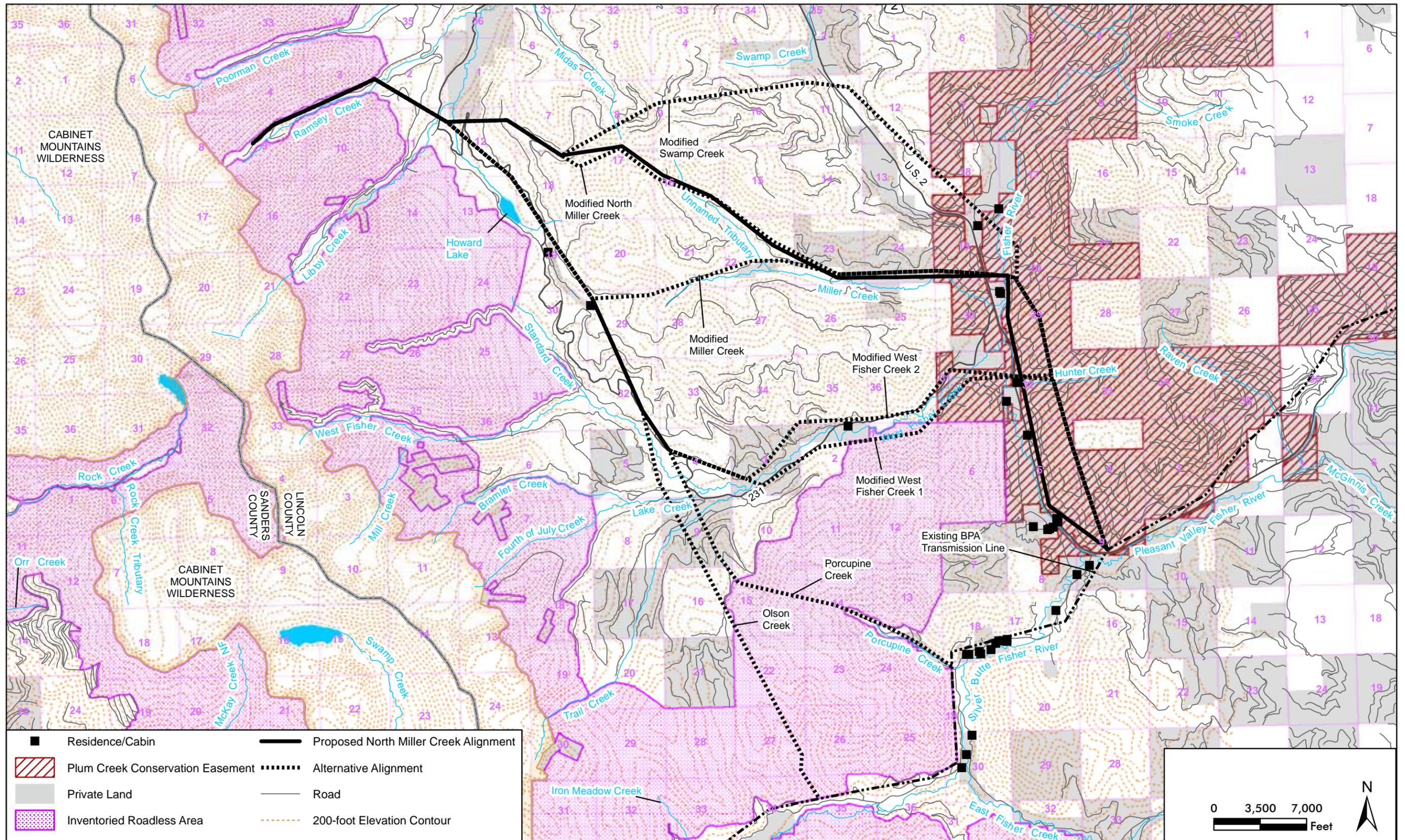


Figure 49. Transmission Line Alignment Alternatives Evaluated for this EIS

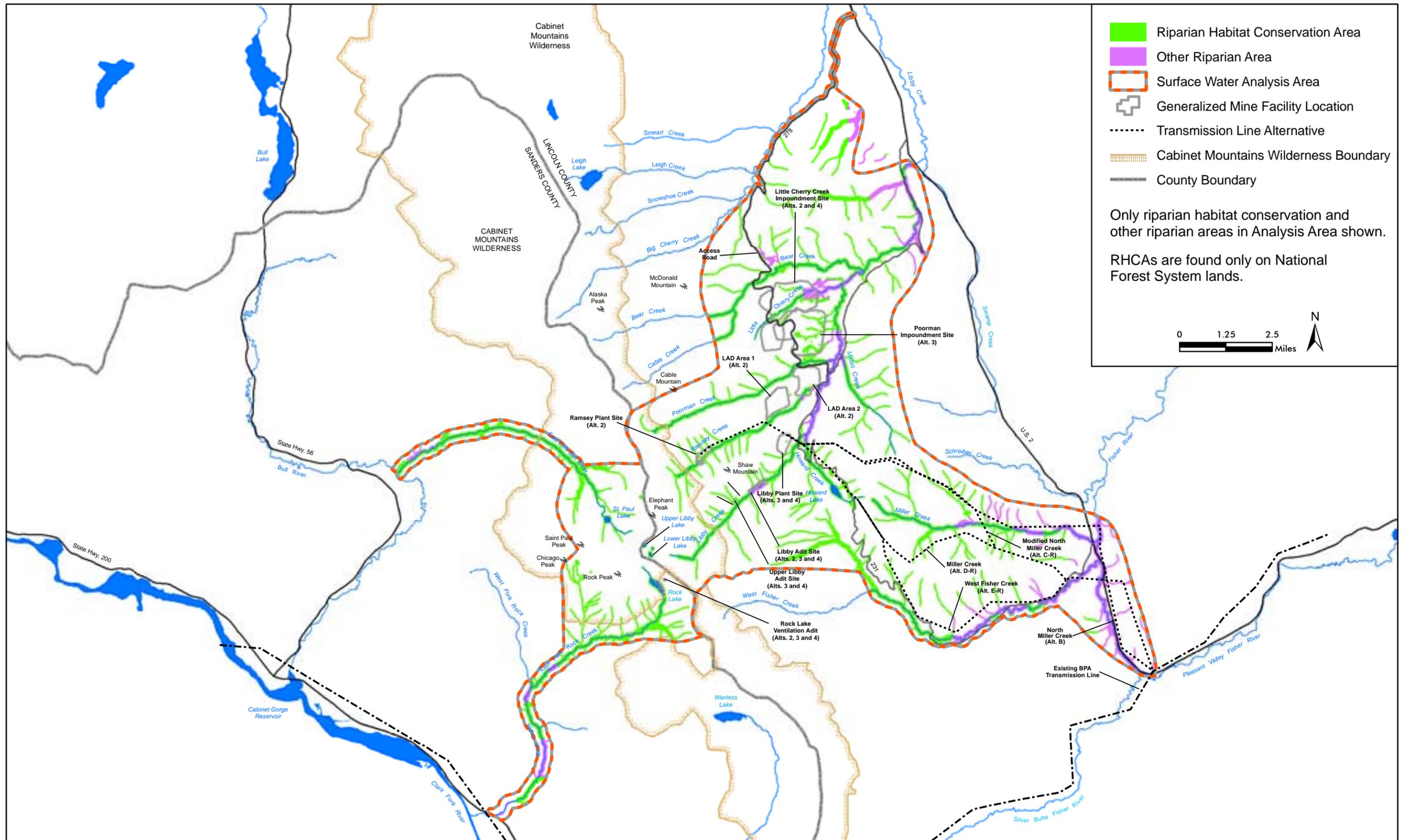


Figure 53. Riparian Habitat Conservation Areas and Other Riparian Areas in the Analysis Area

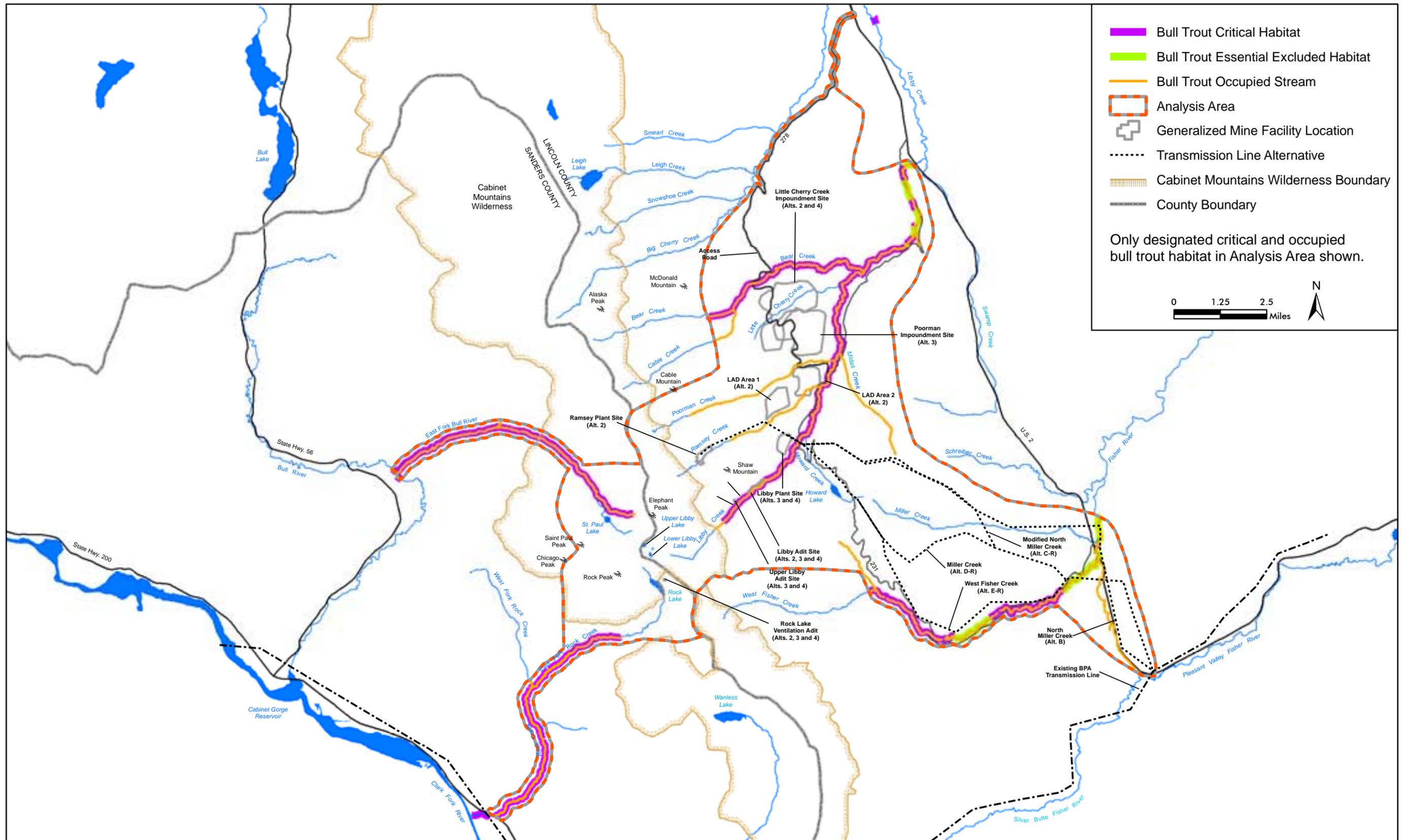


Figure 55. Designated Critical and Occupied Bull Trout Habitat in the Analysis Area Streams

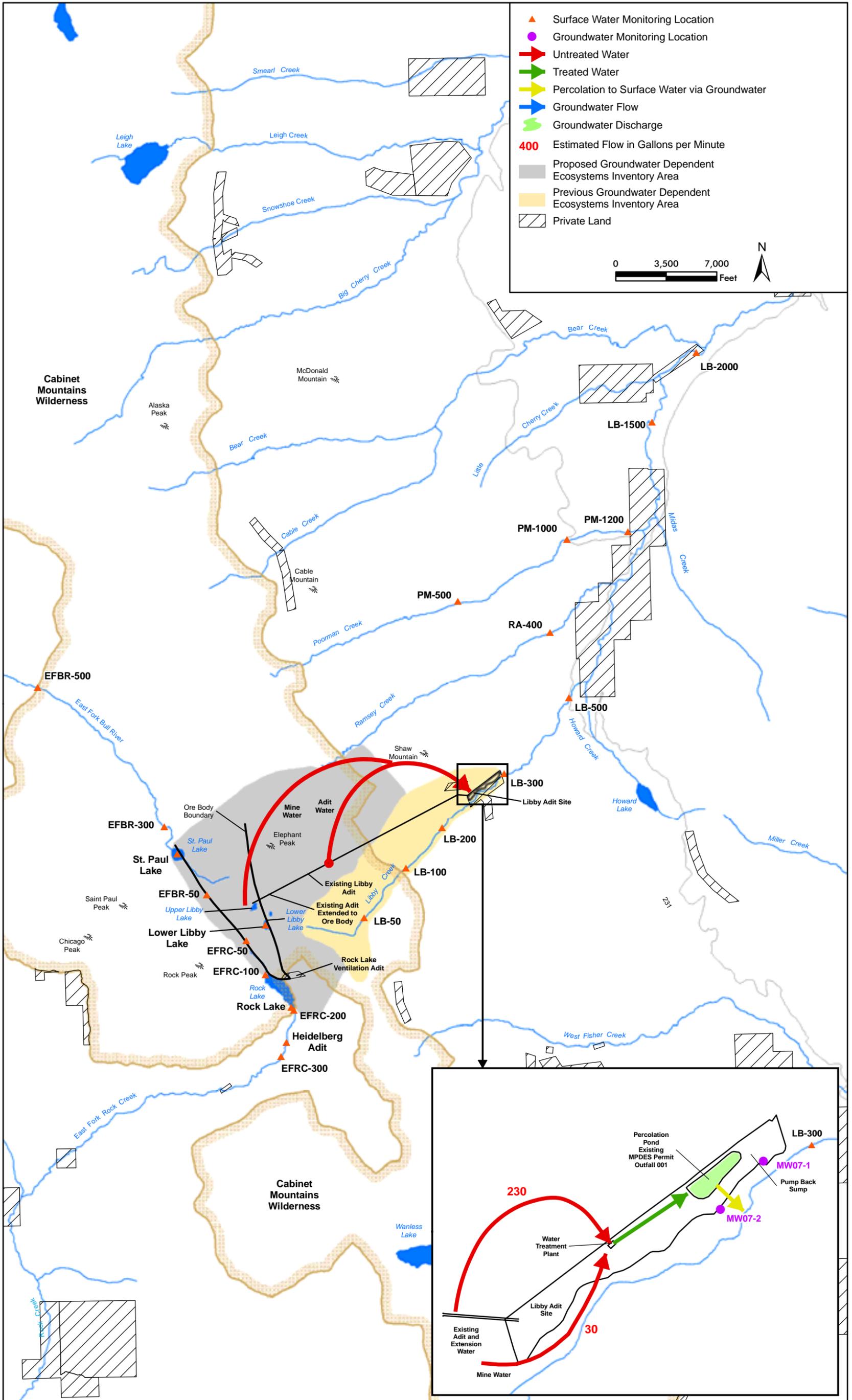


Figure 56. Project Water Balance, Evaluation Phase, Alternative 3

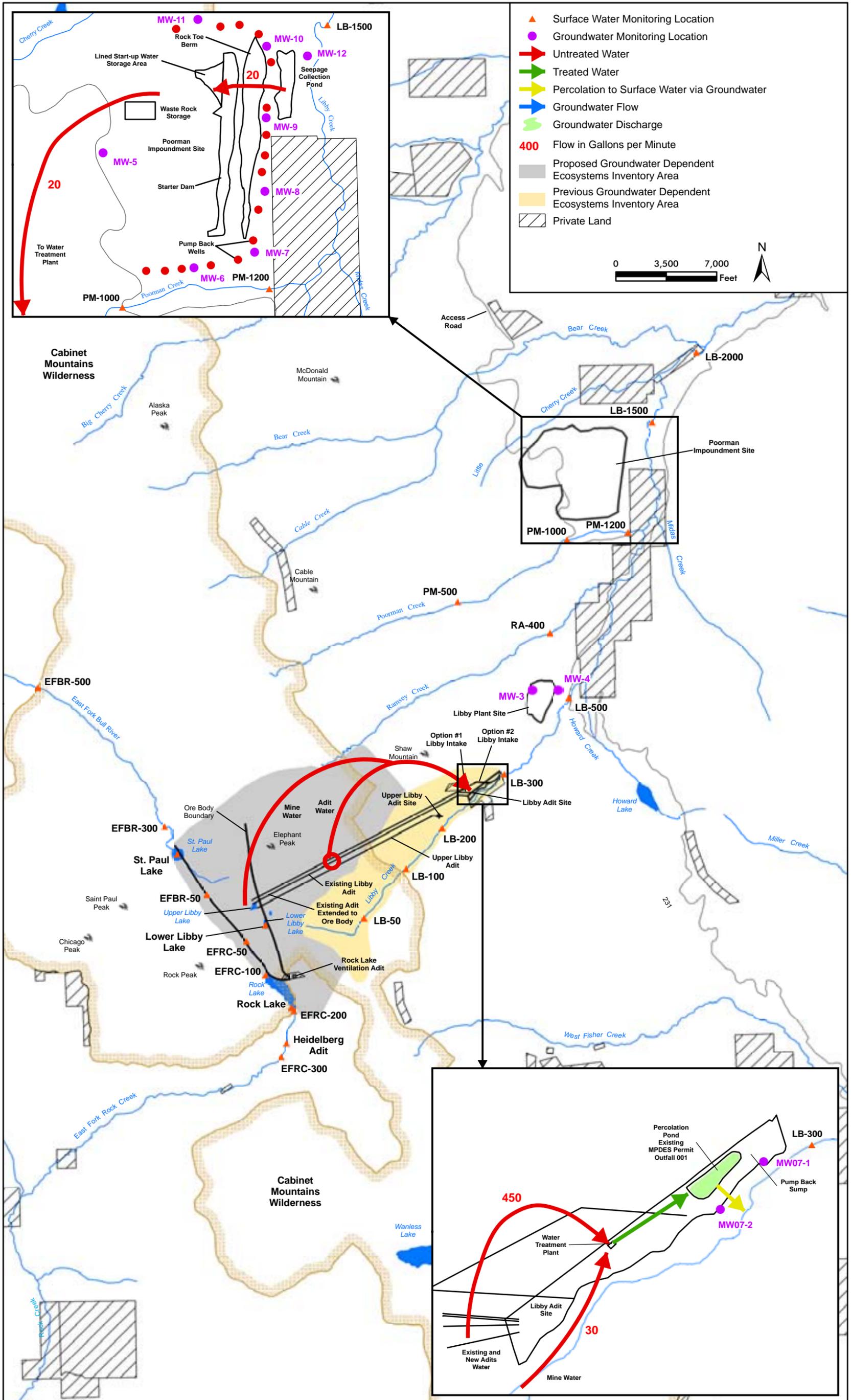


Figure 57. Project Water Balance, Construction Phase, Alternative 3

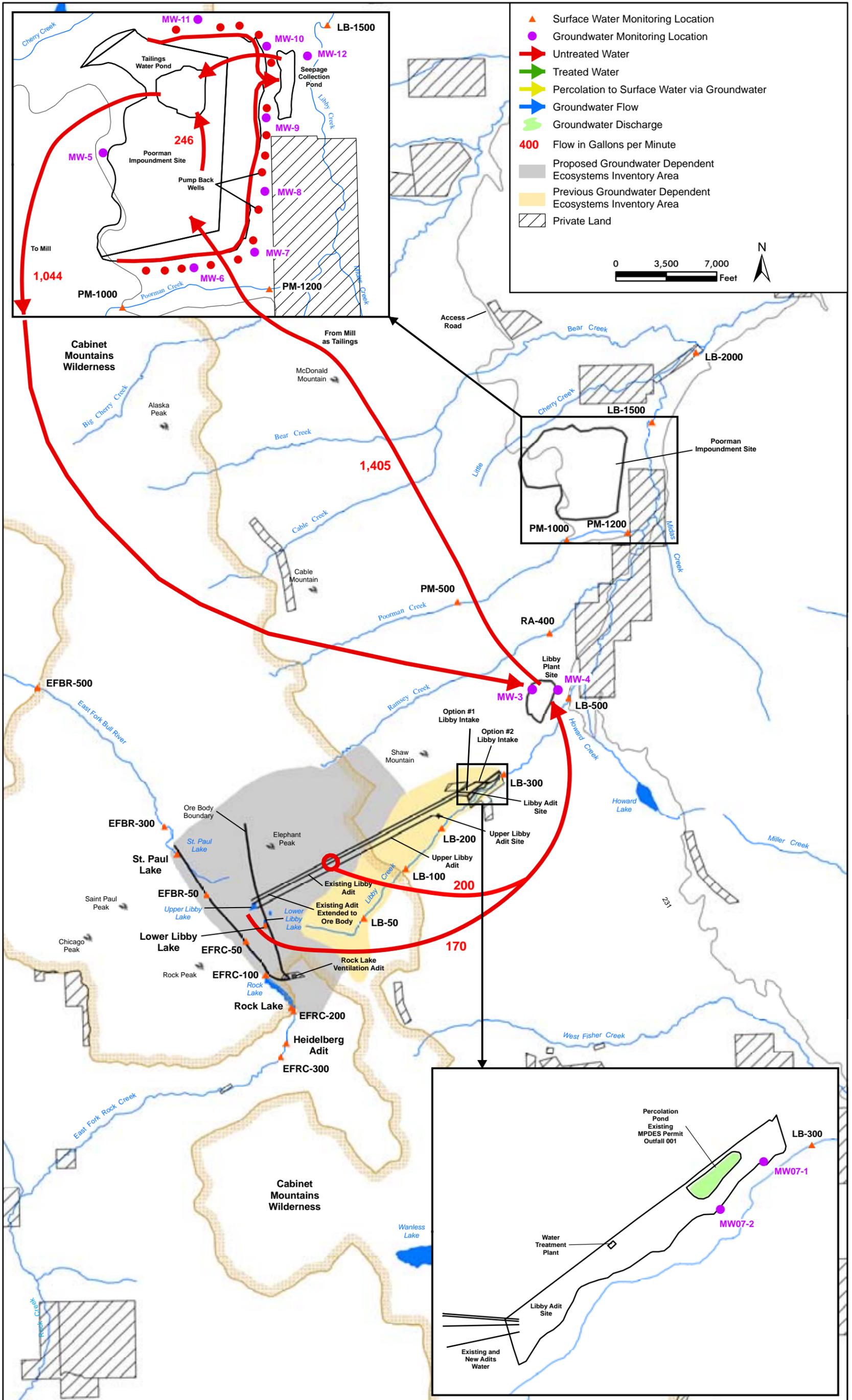


Figure 58. Project Water Balance, Operations Phase, Alternative 3

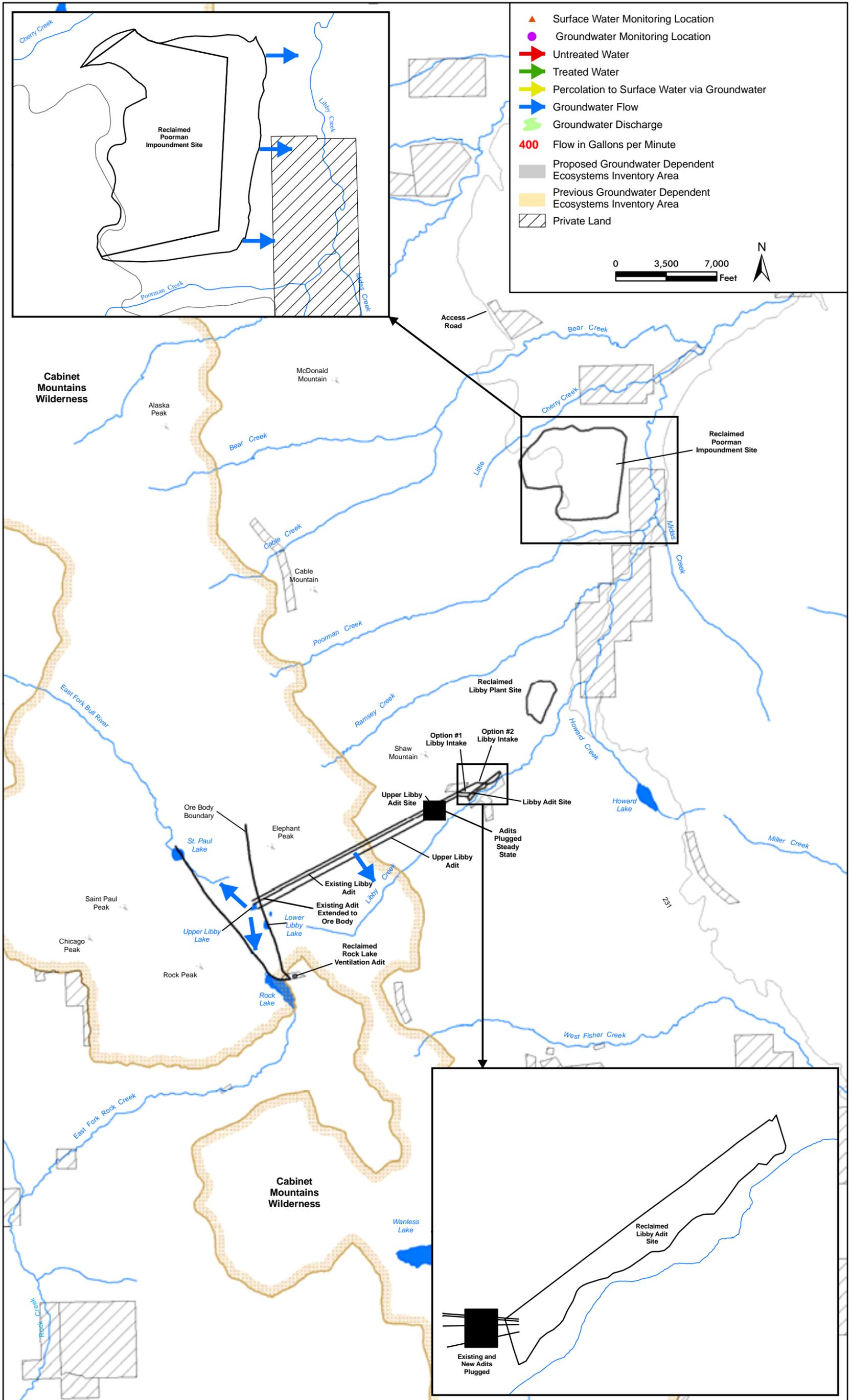


Figure 60. Project Water Balance, Late Post-Closure Phase, Alternative 3

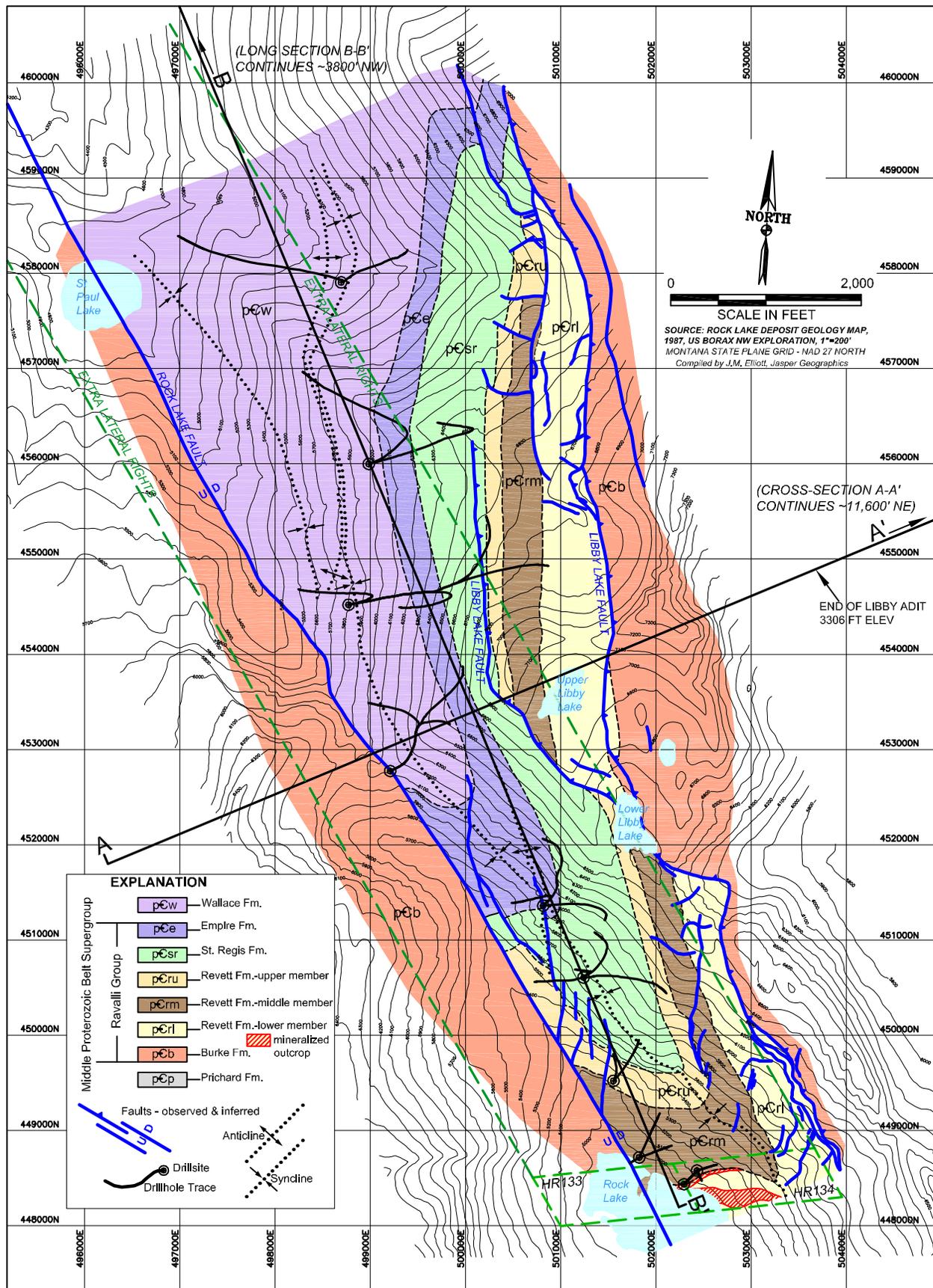
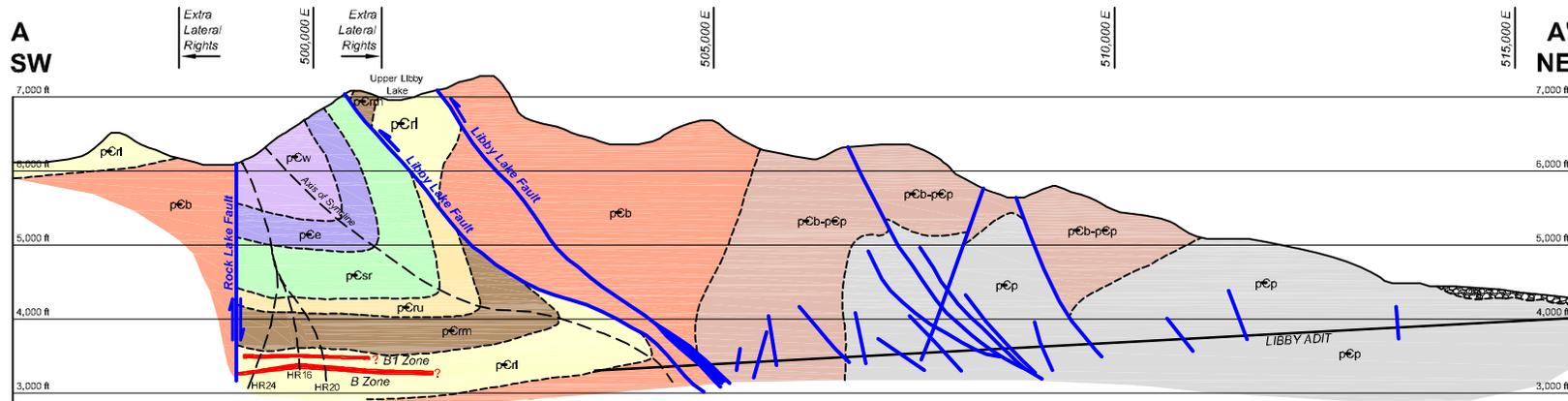


Figure 61. Bedrock Geology of the Rock Creek-Montanore Deposit

MONTANORE DEPOSIT CROSS SECTION A-A'



EXPLANATION

- Quaternary - Glacial gravels
- pEw - Wallace Fm.
- pEe - Empire Fm.
- pEsr - St. Regis Fm.
- pEru - Revett Fm.-upper member
- pEm - Revett Fm.-middle member
- pEl - Revett Fm.-lower member
- pCb - Burke Fm.
- pEb-pEp - Prichard Burke Transition
- pEp - Prichard Fm.
- Faults

Sources:
 1983-88 US Borax surface mapping, drillhole logs, cross-section interpretation
 1992 Noranda decline mapping and cross-sectional interpretation
 1995 J. Balla revision of cross-sectional interpretation
 2004 D. Boleneus cross-sectional interpretation west of Rock Lake Fault;
 MDA Resource Model

Notes:
 1. Drillholes projected horizontally to plane of section
 2. Geology projected along dip
 3. Mineralized zones from 2005 MDA Resource Model
 4. Montana State Plane NAD 27 North Grid
 5. Compiled by J.M. Elliott, Jasper Geographics

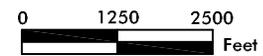


Figure 62. Geologic Cross Section-Libby Adit

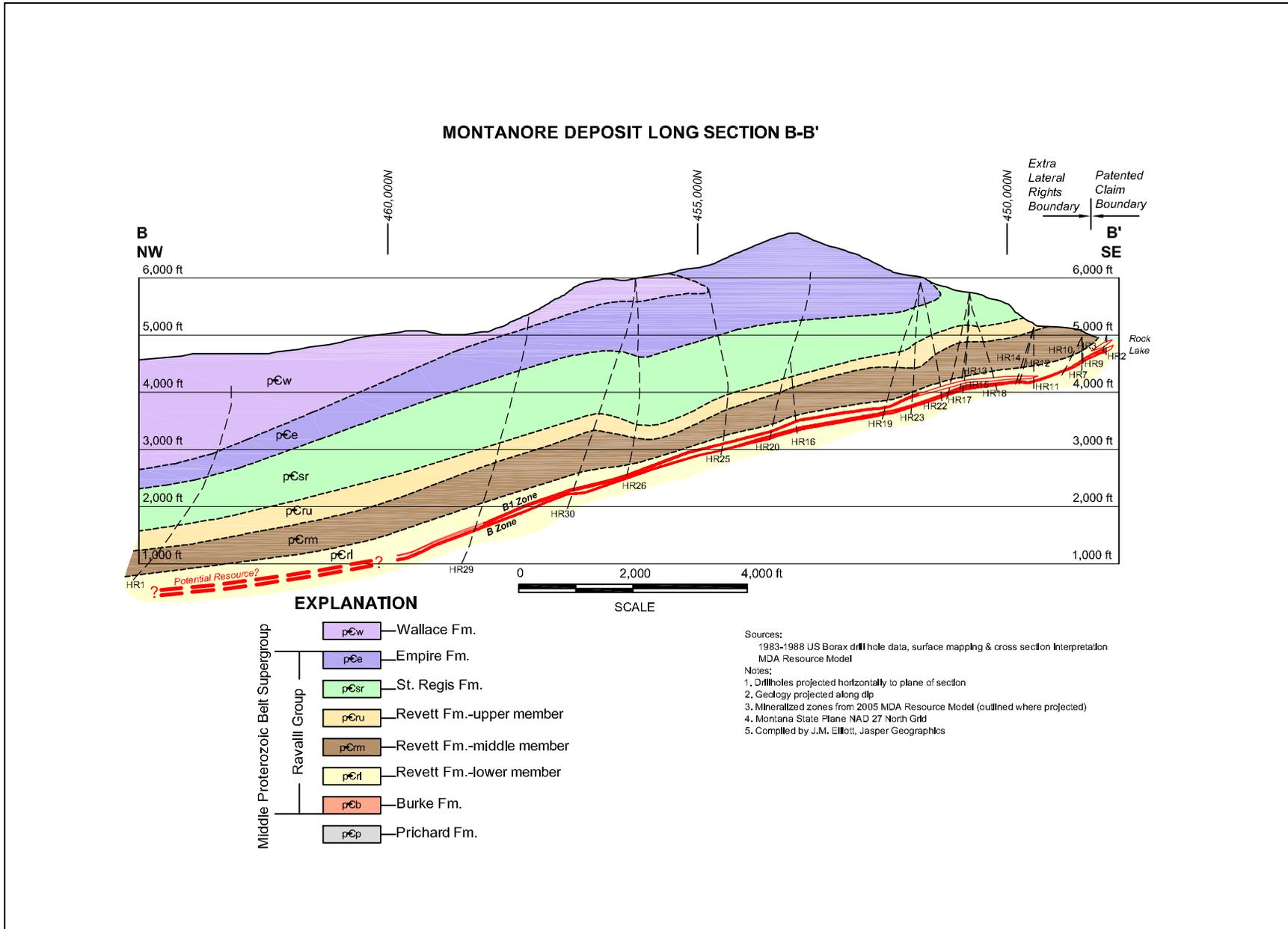


Figure 63. Geologic Cross Section-Montanore Sub-deposit

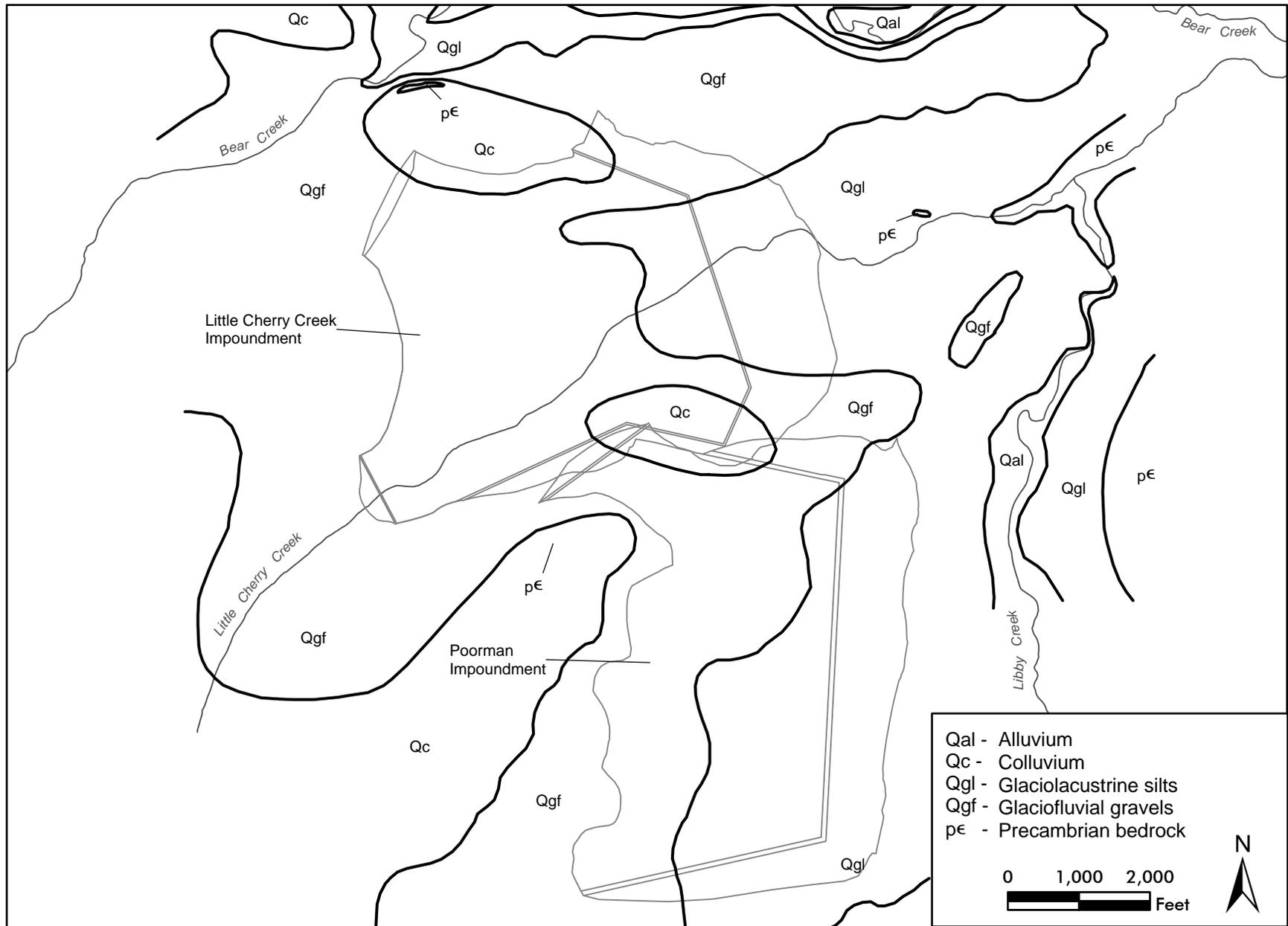


Figure 64. Geology of the Two Tailings Impoundment Areas

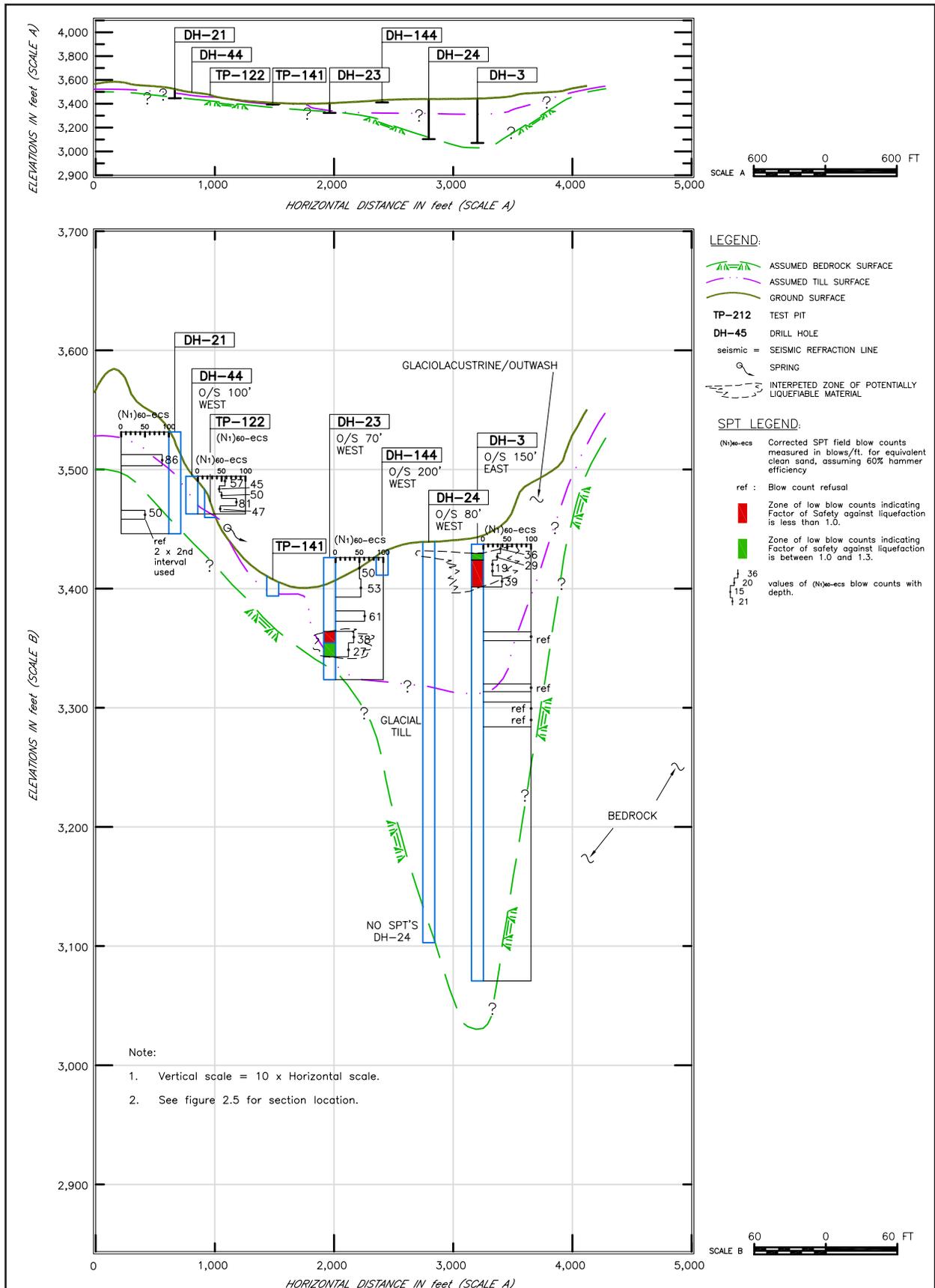


Figure 65. Geologic Cross Section of the Little Cherry Creek Tailings Impoundment Site

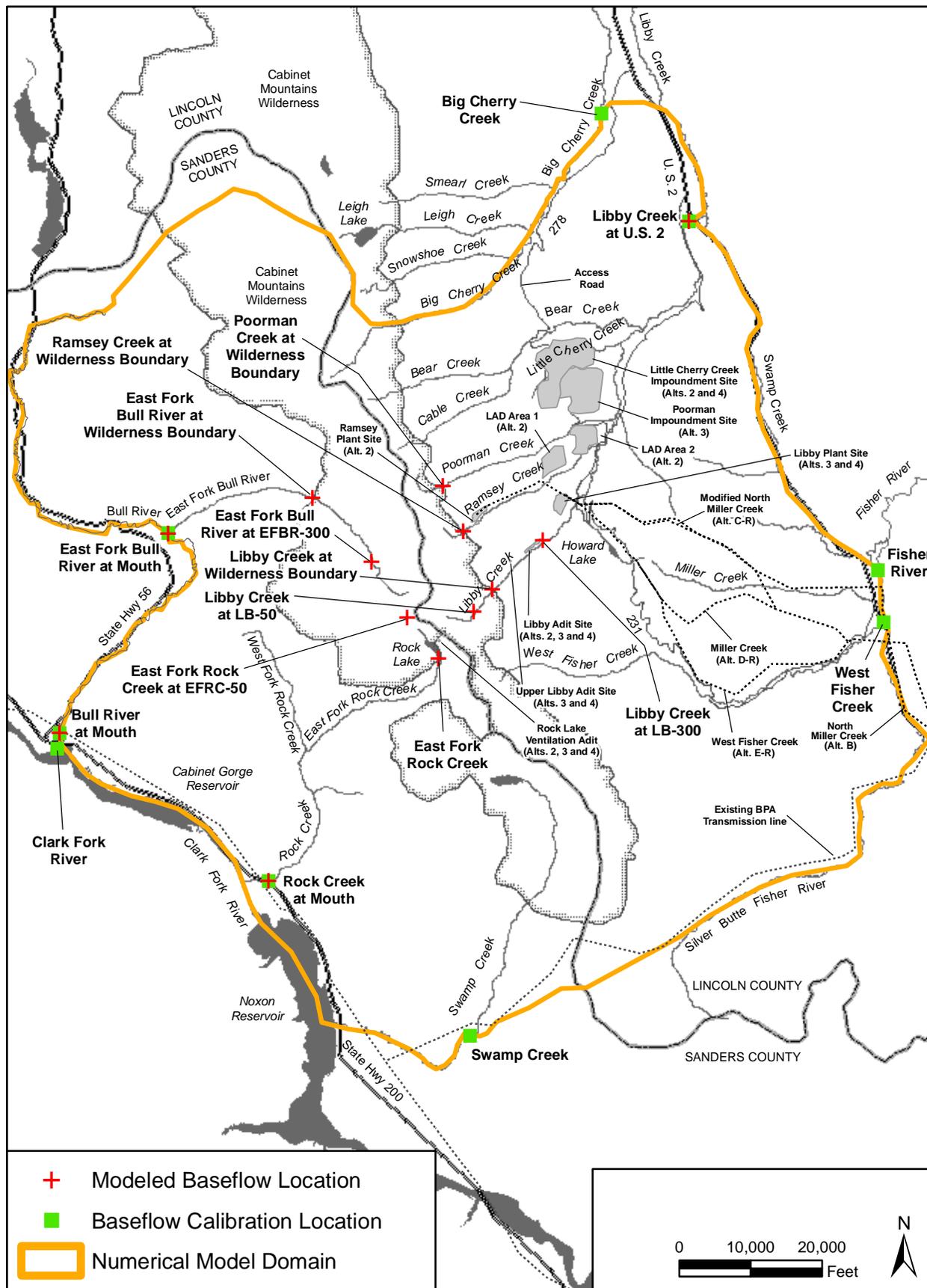


Figure 66. Numerical Model Domain and Groundwater Hydrology Analysis Area Location

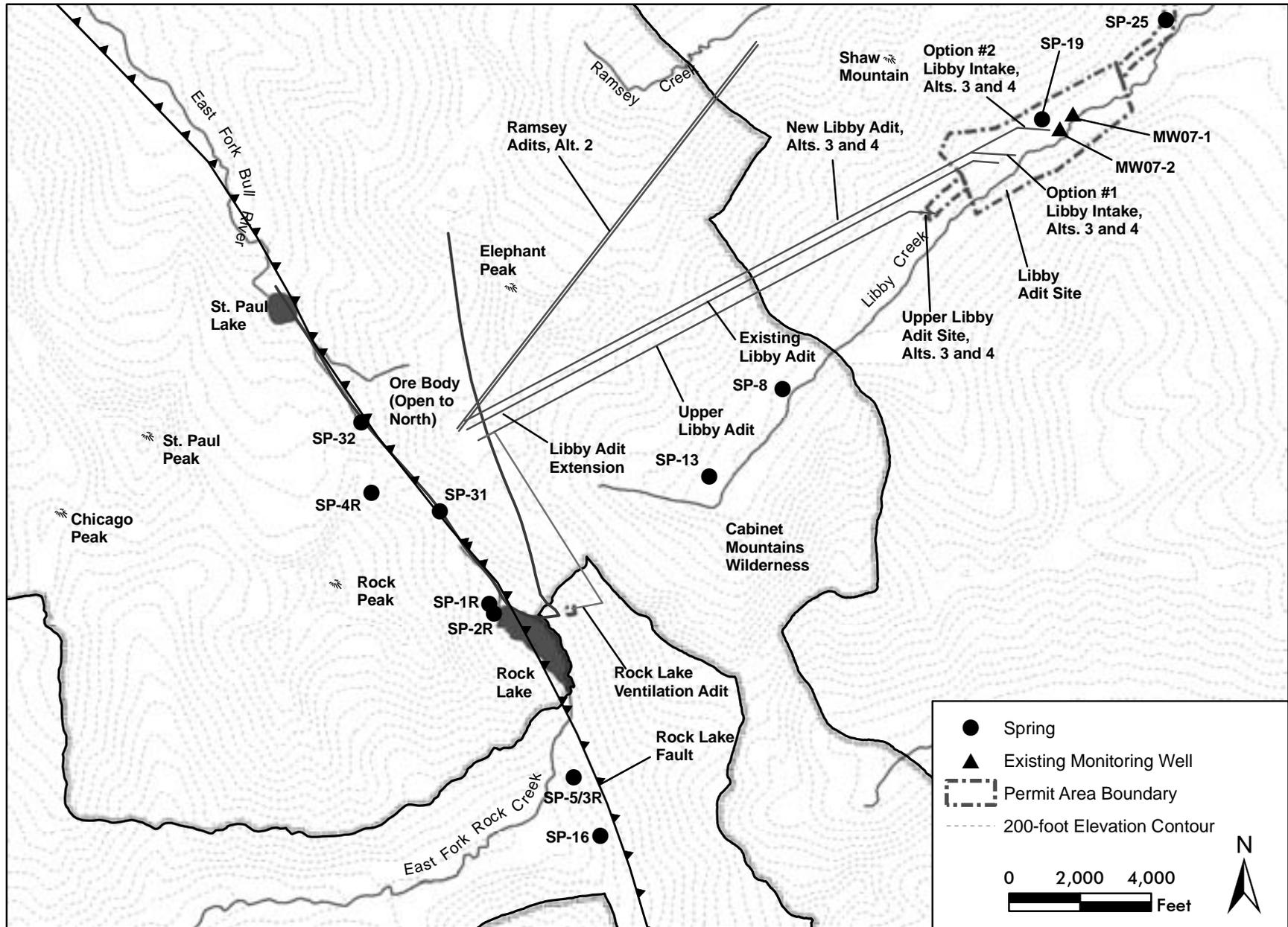


Figure 67. Existing Monitoring Wells and Identified Springs in the Mine Area

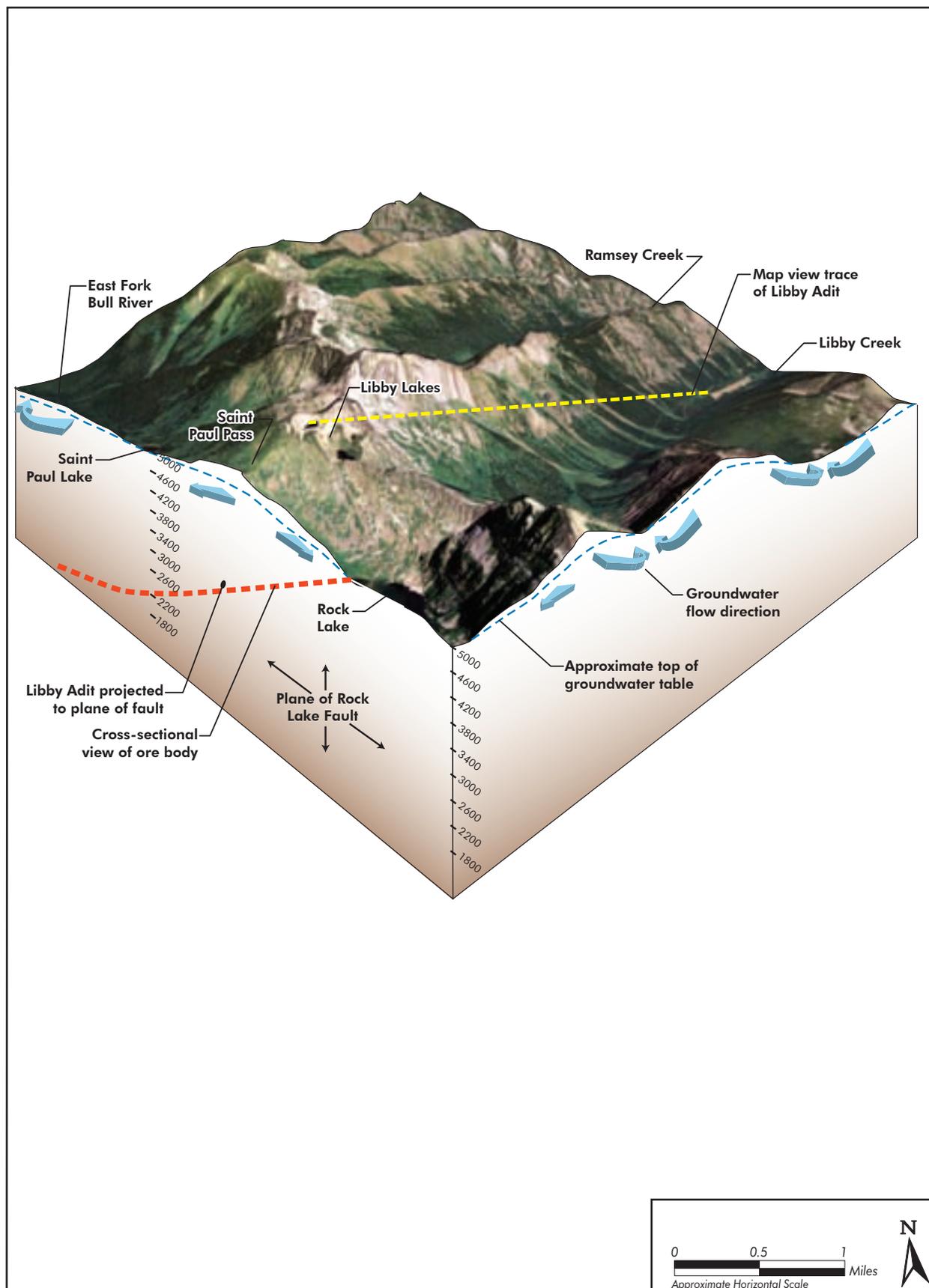


Figure 68. Three Dimensional Conceptual Model of the Montanore Mine Area Hydrogeology

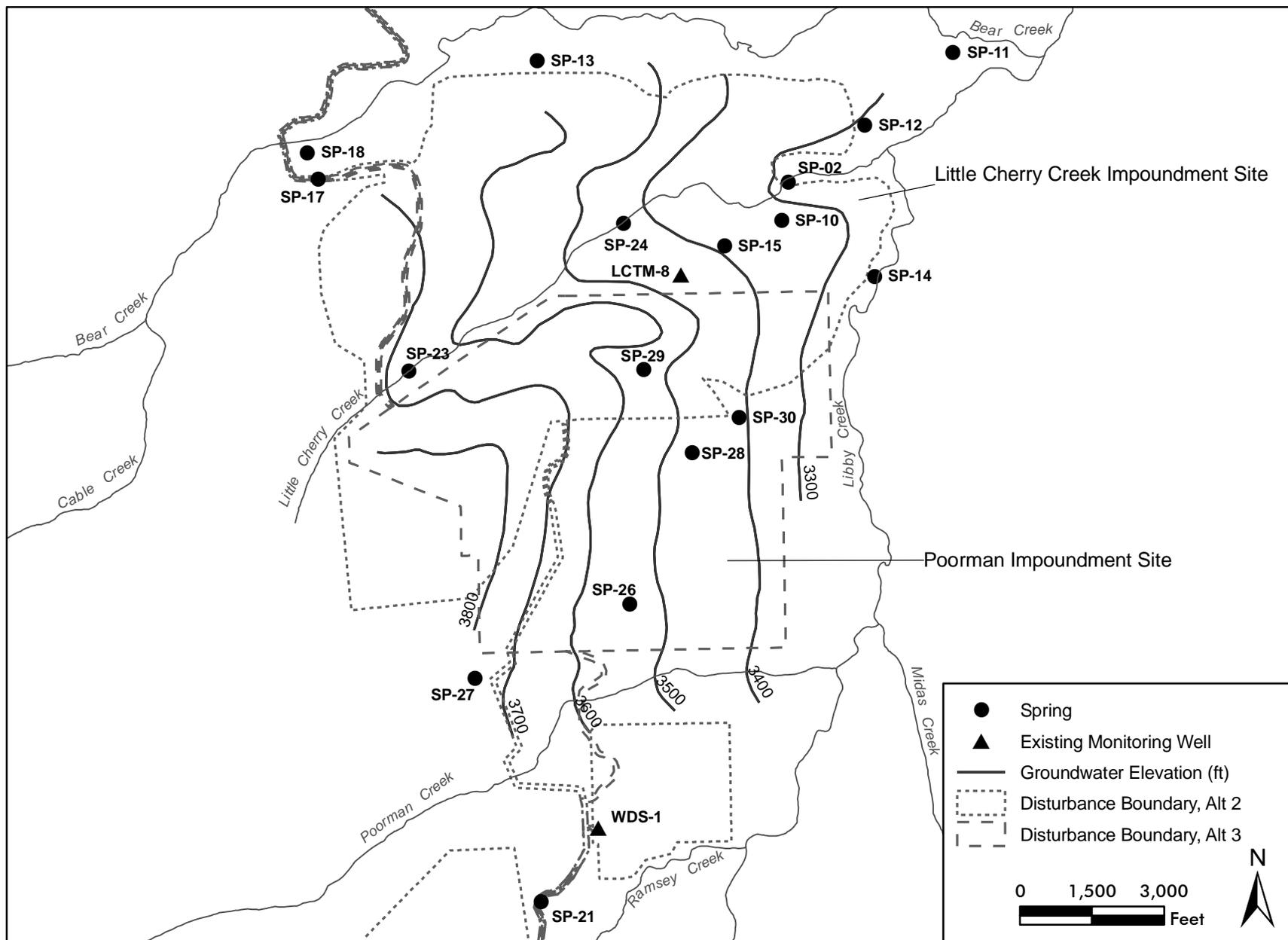


Figure 69. Identified Springs, Existing Monitoring Wells, and Groundwater Levels in the Tailings Impoundment Sites

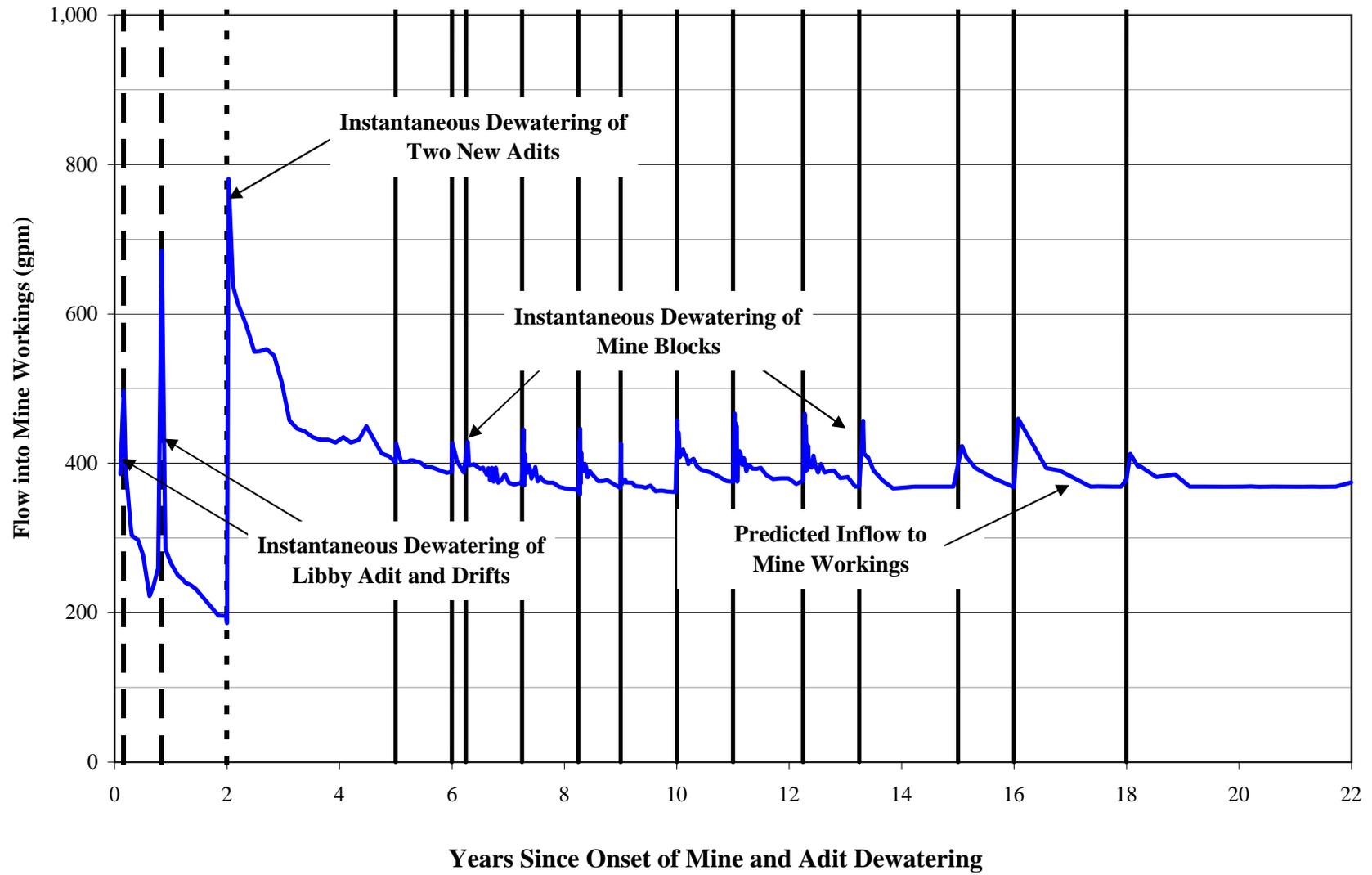


Figure 70. Predicted Dewatering Rates During Evaluation through Operations Phases

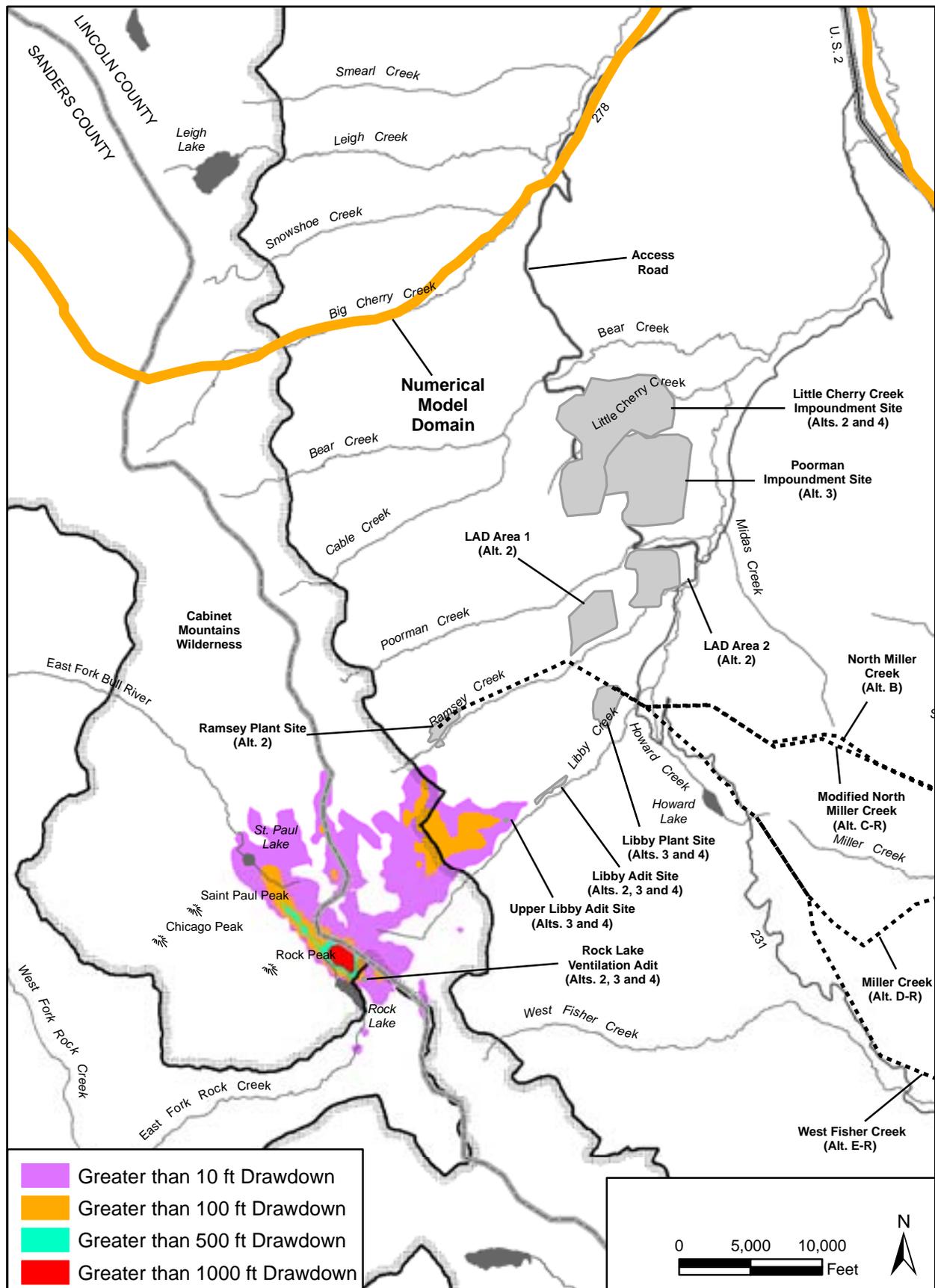


Figure 71. Predicted Area of Groundwater Drawdown Post-Closure Phase (Maximum Baseflow Change)

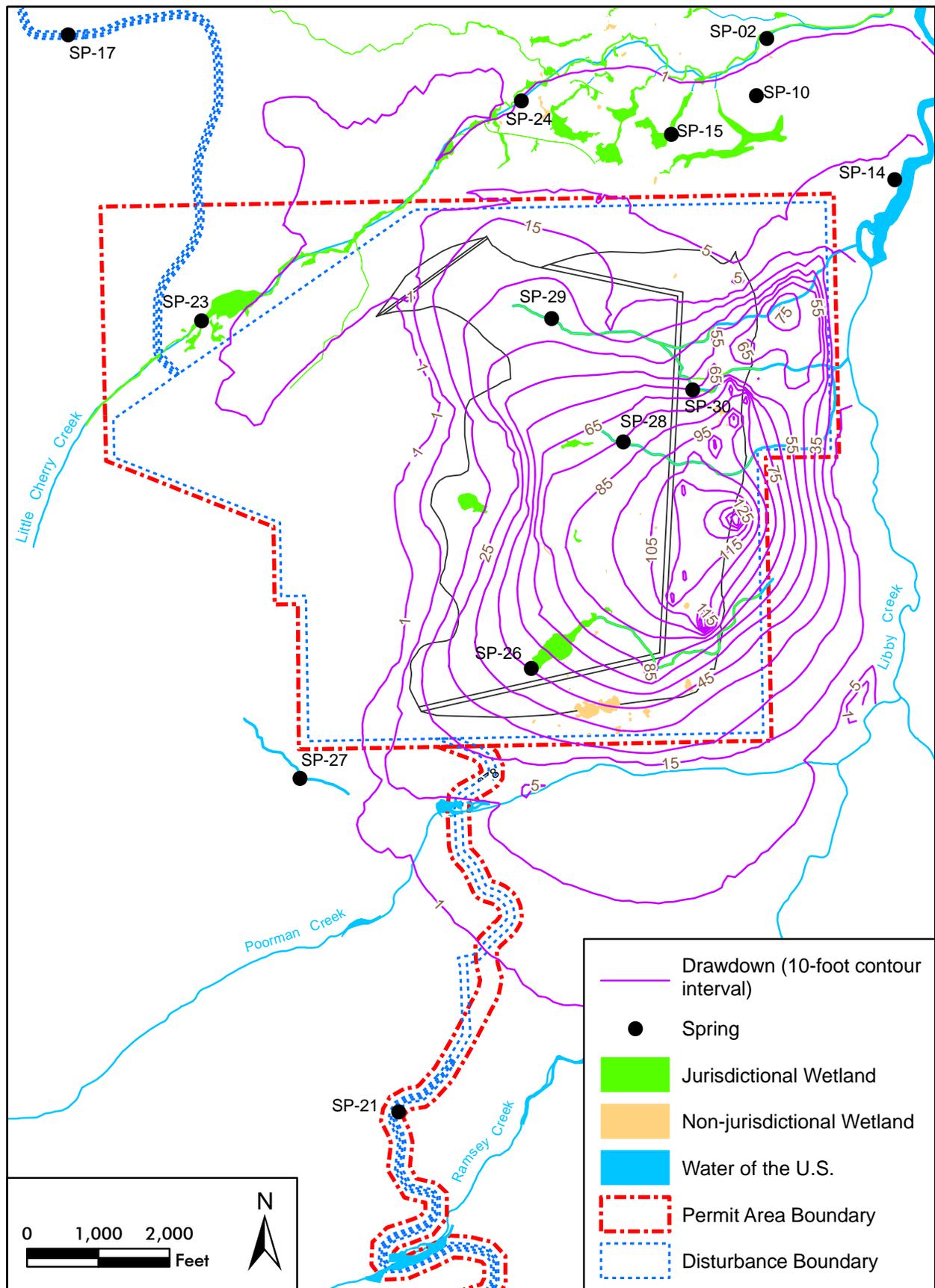


Figure 72. Predicted Area of Groundwater Drawdown in the Poorman Tailings Impoundment Area

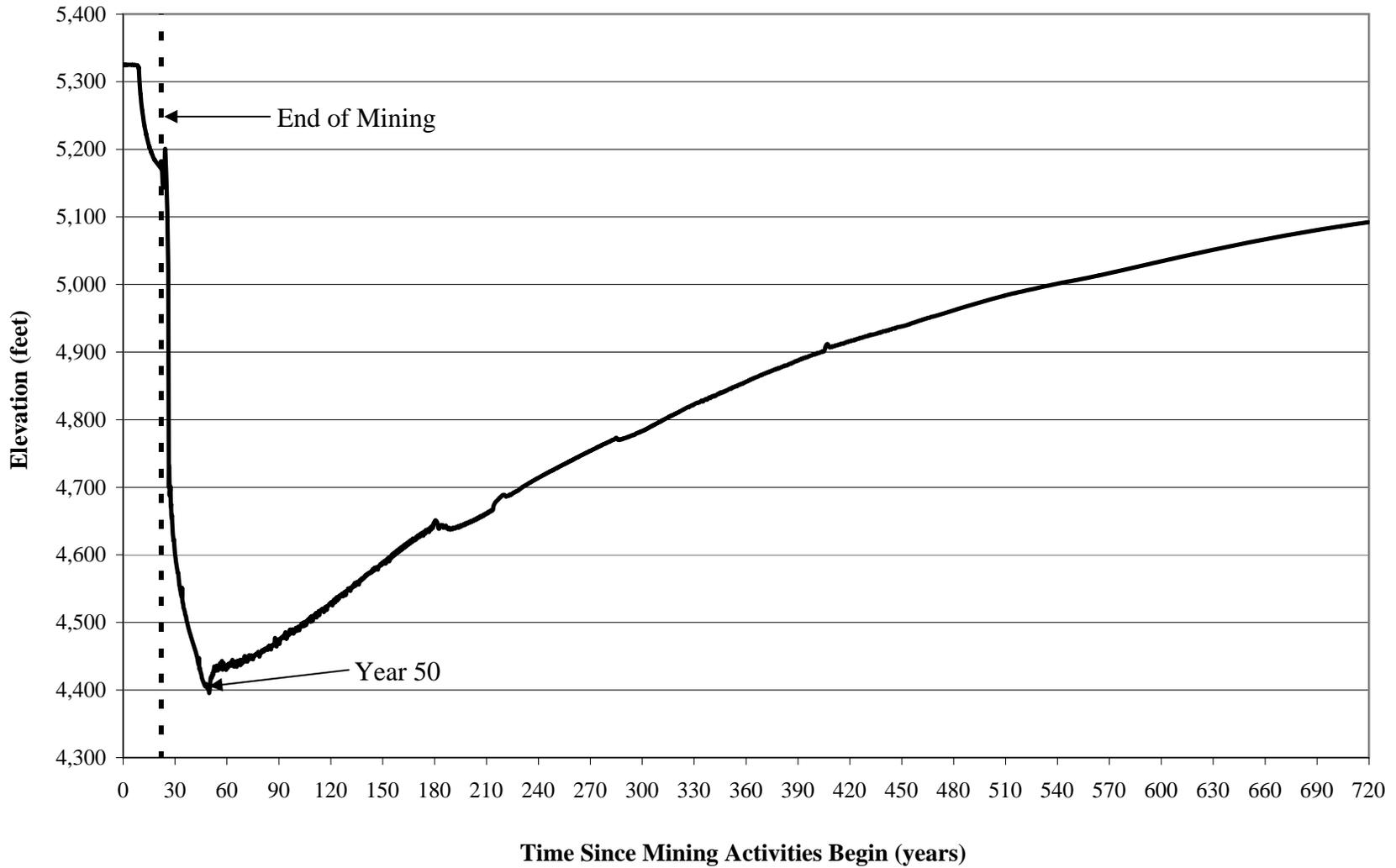


Figure 73. Predicted Water Level Above Mine Void Near Rock Lake, Evaluation through Post-Closure Phases

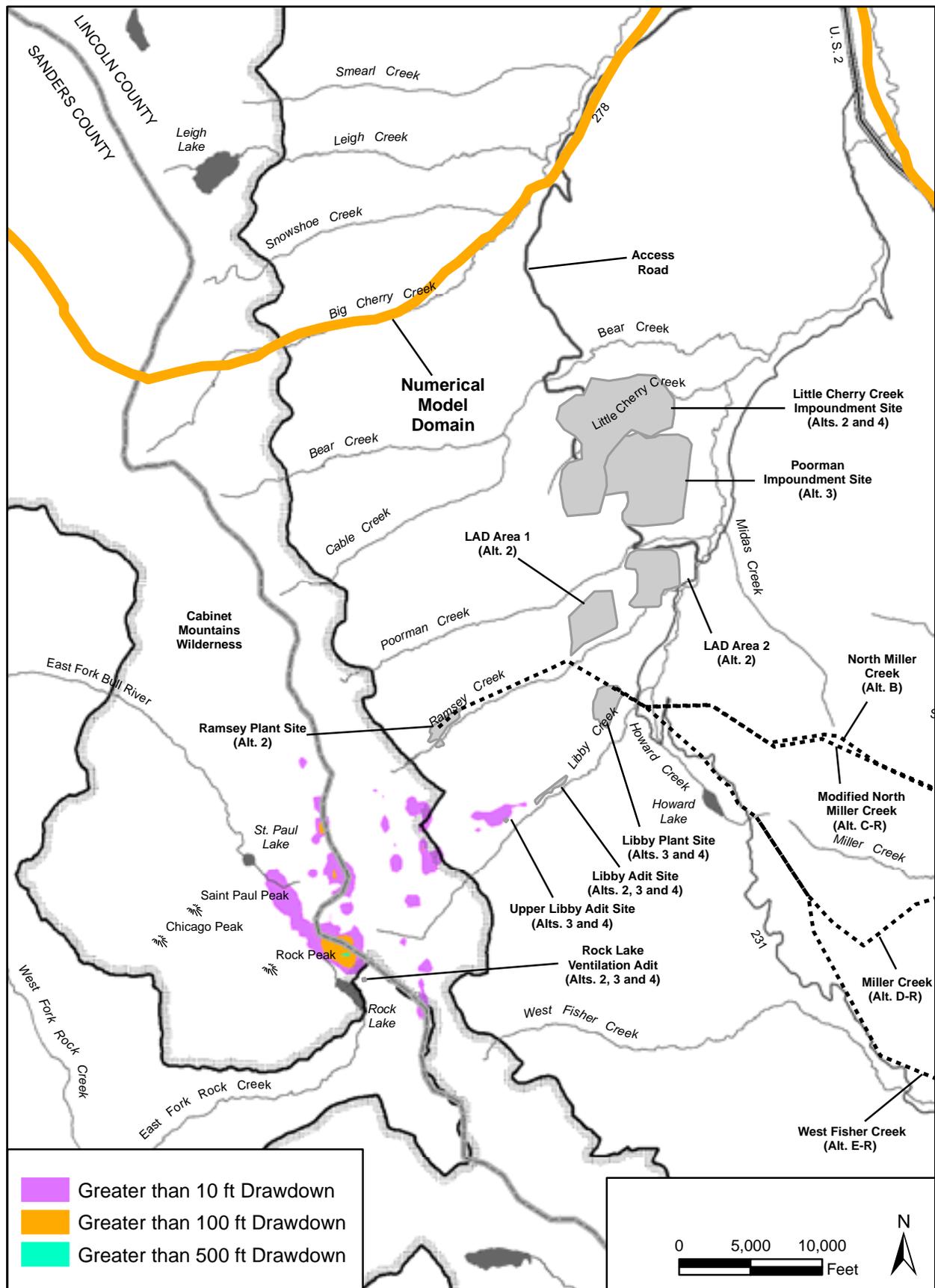


Figure 74. Residual Water Table Drawdown Post-Closure Phase

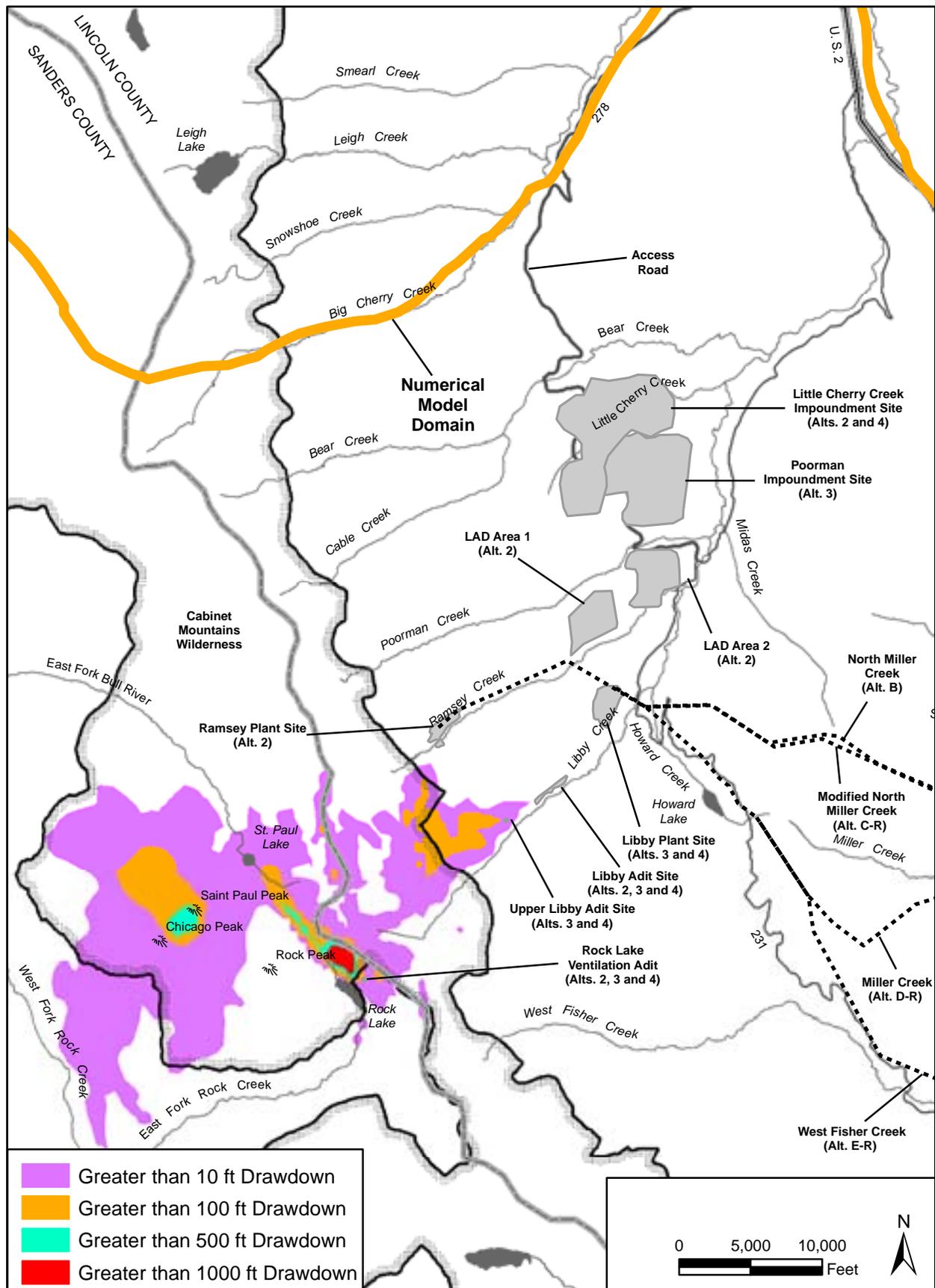


Figure 75. Cumulative Water Table Drawdown Post-Closure Phase (Maximum Baseflow Change)

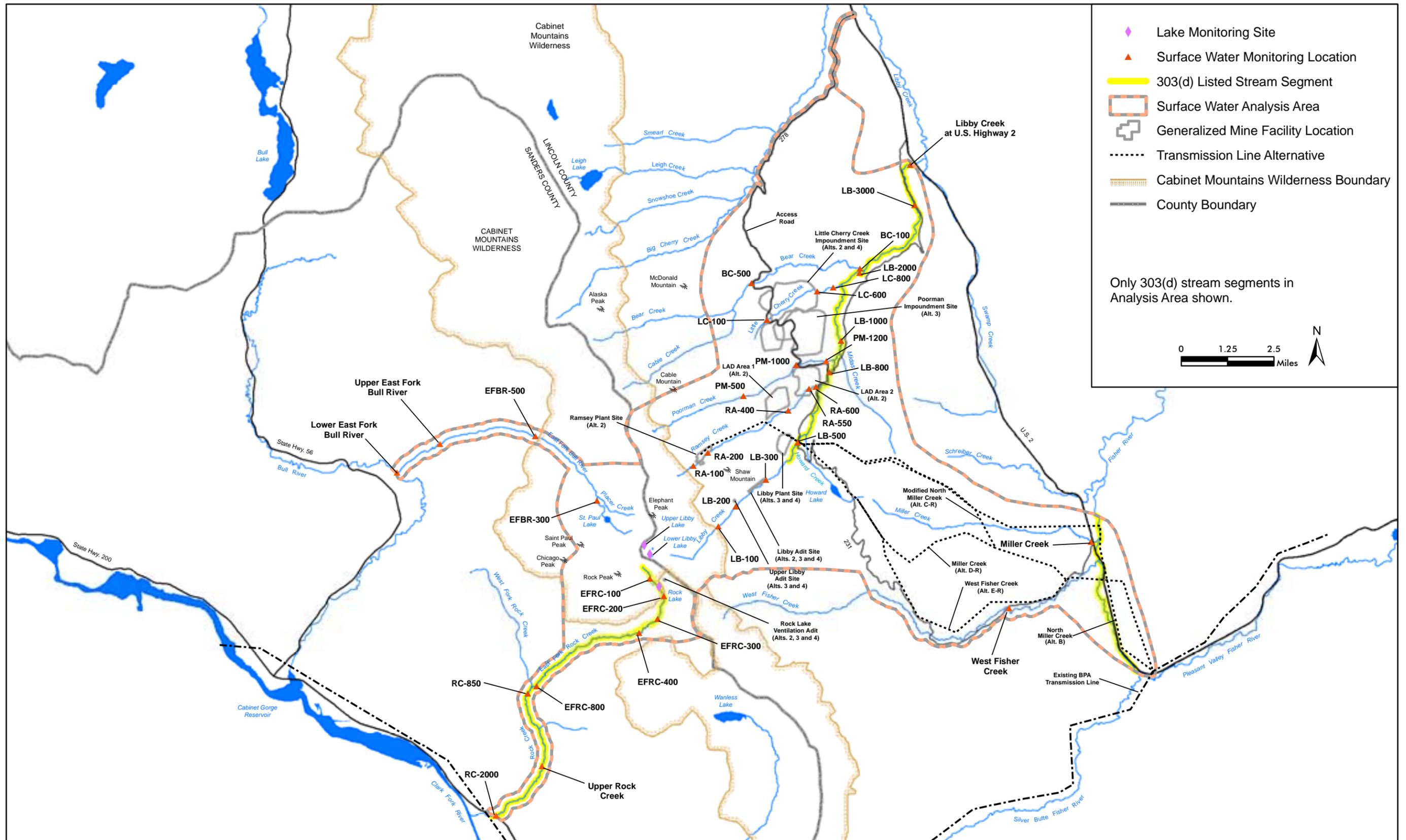


Figure 76. Surface Water Resources in the Analysis Area

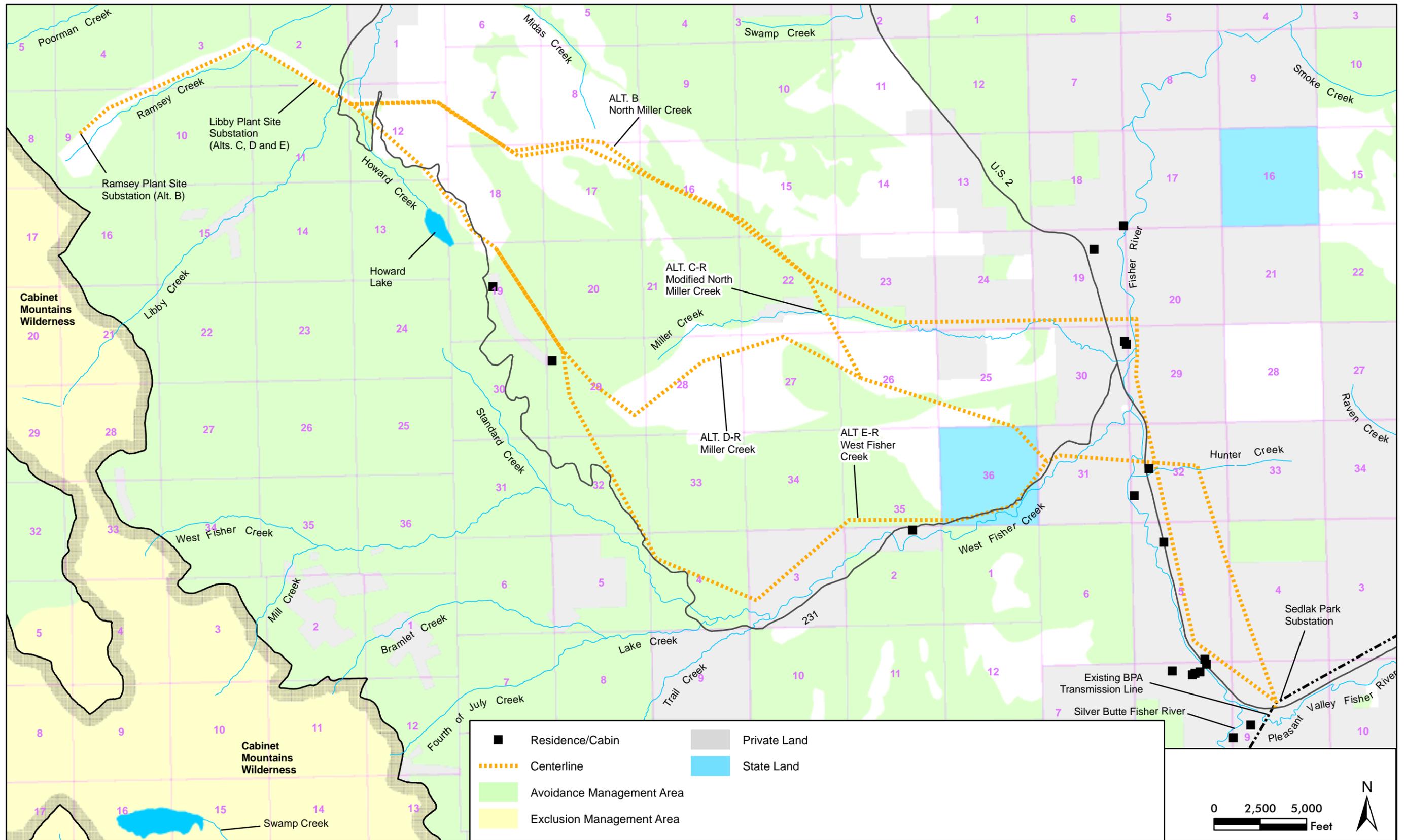


Figure 79. Residences, Corridor Exclusion Management Areas, and Corridor Avoidance Management Areas Along Transmission Line Alternatives

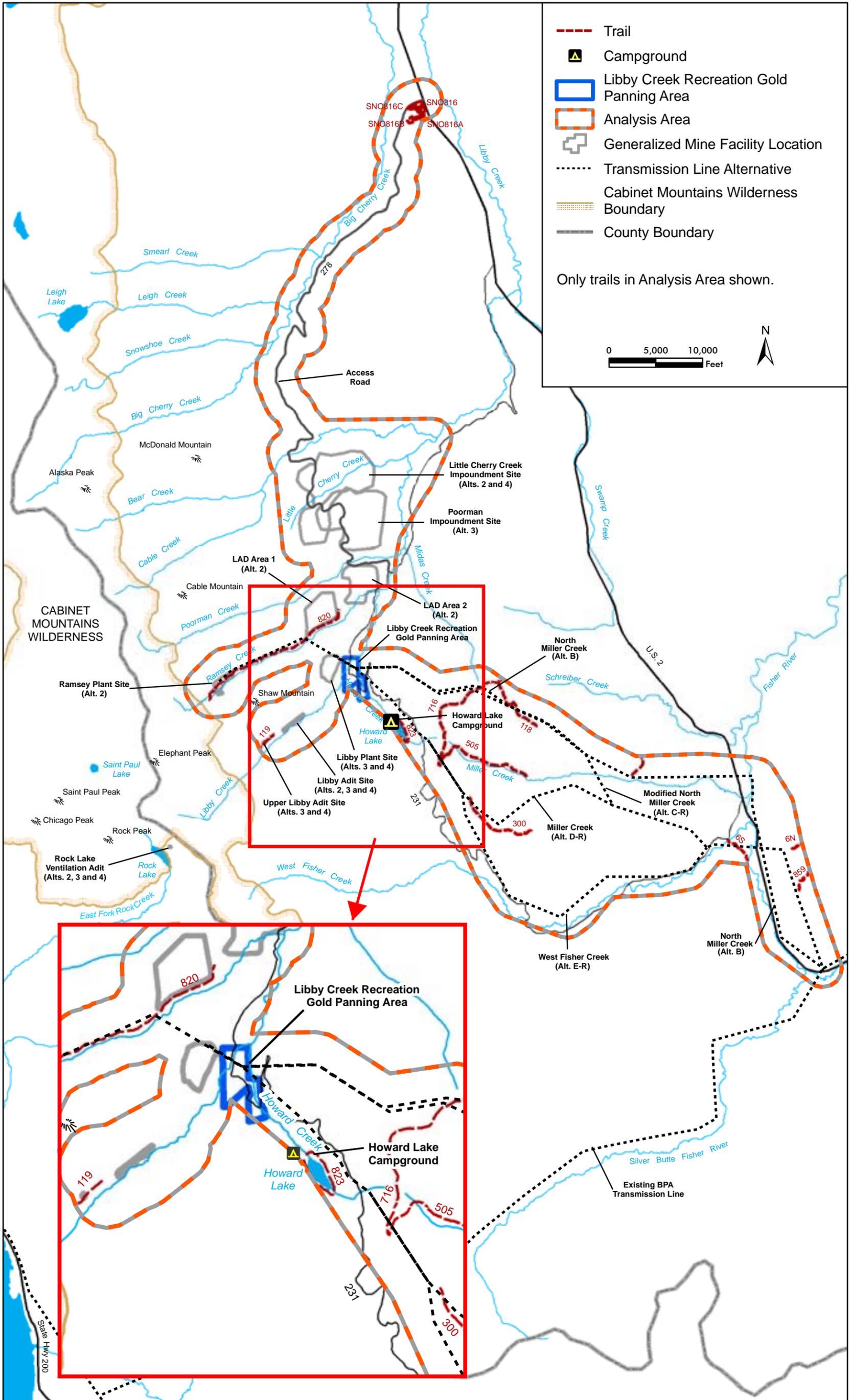


Figure 80. Key Recreation Resources in the Analysis Area

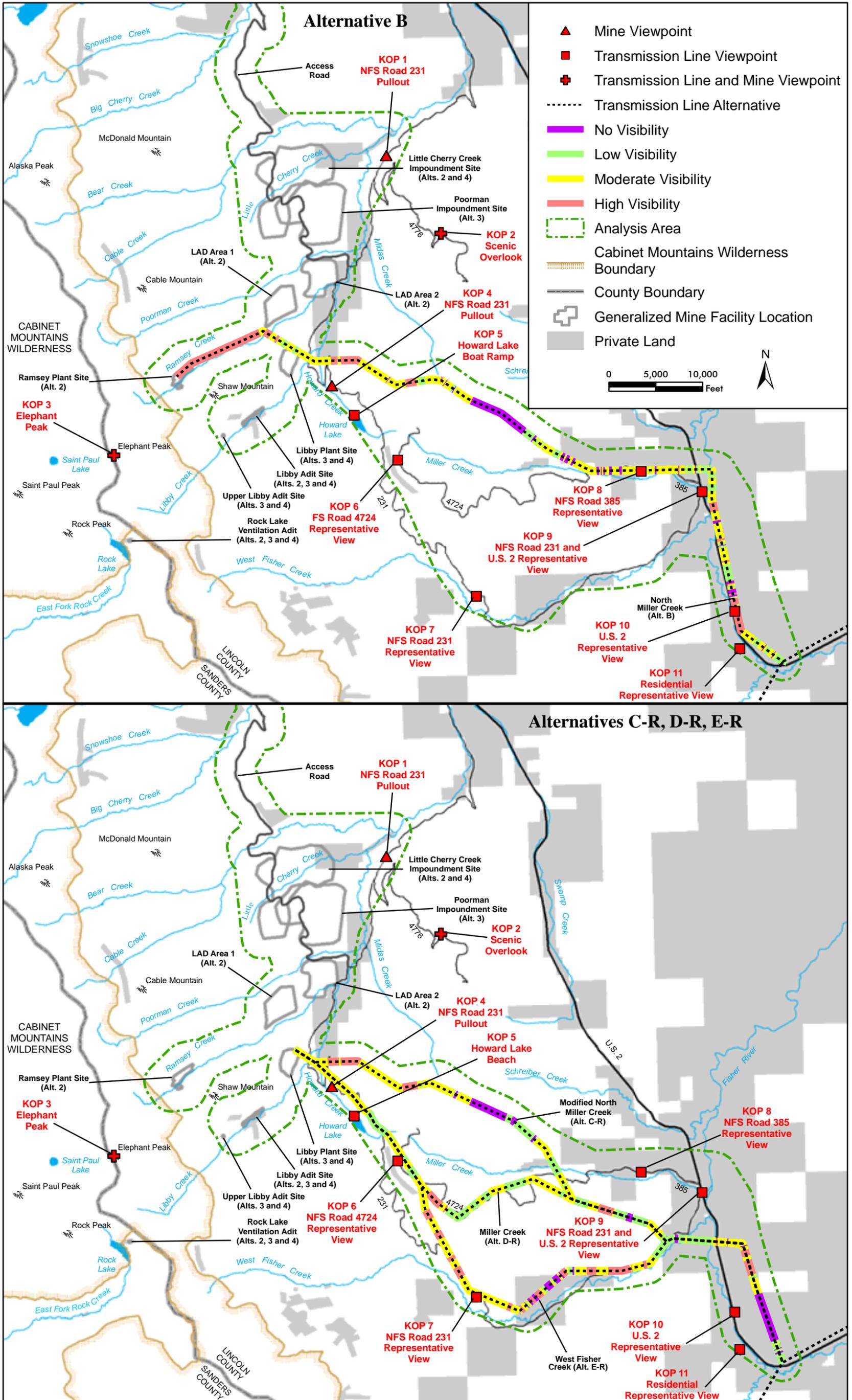


Figure 82. Transmission Line Segments Visible from KOPs, Roads and the CMW

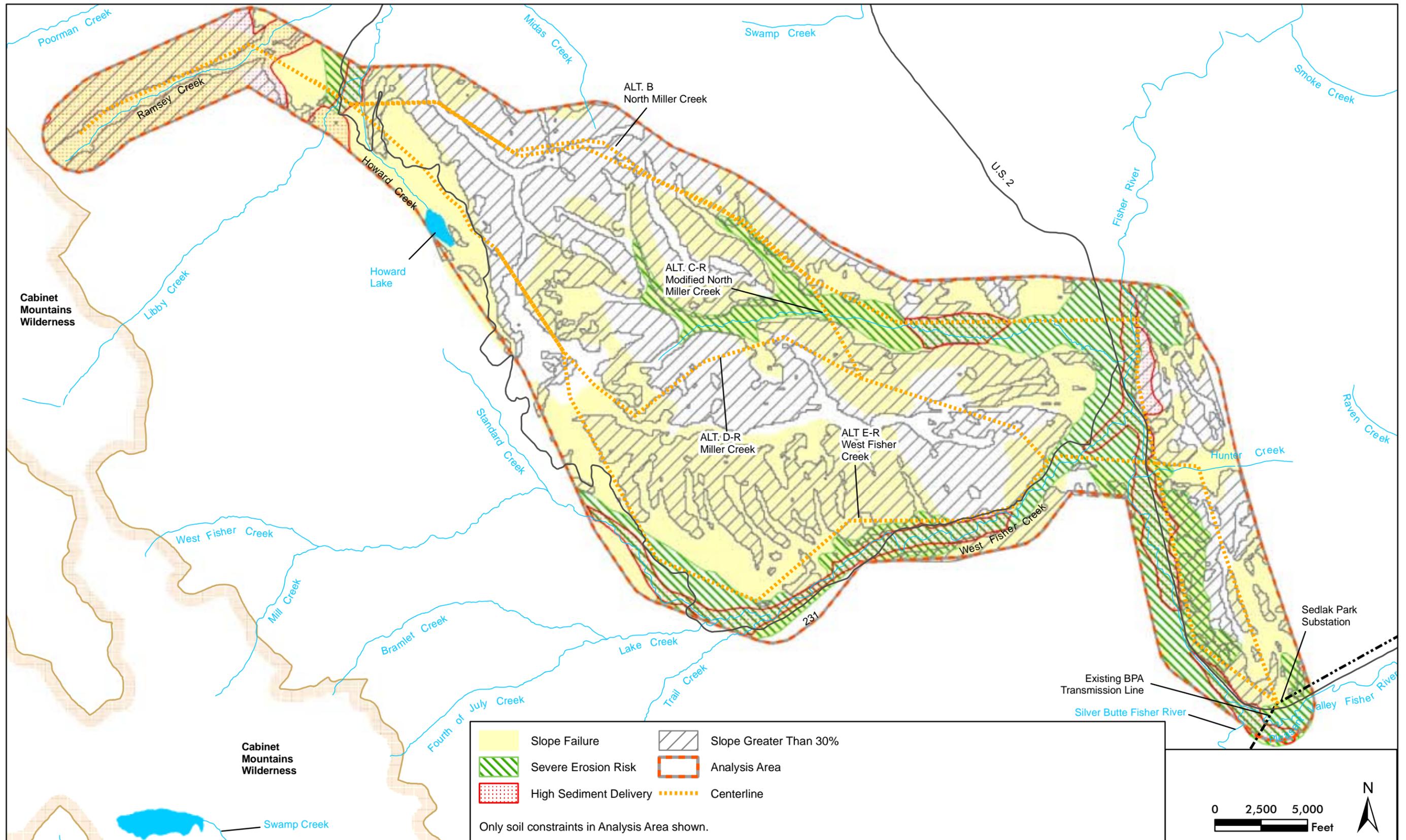


Figure 84. Soil Constraints Along Transmission Line Alternatives

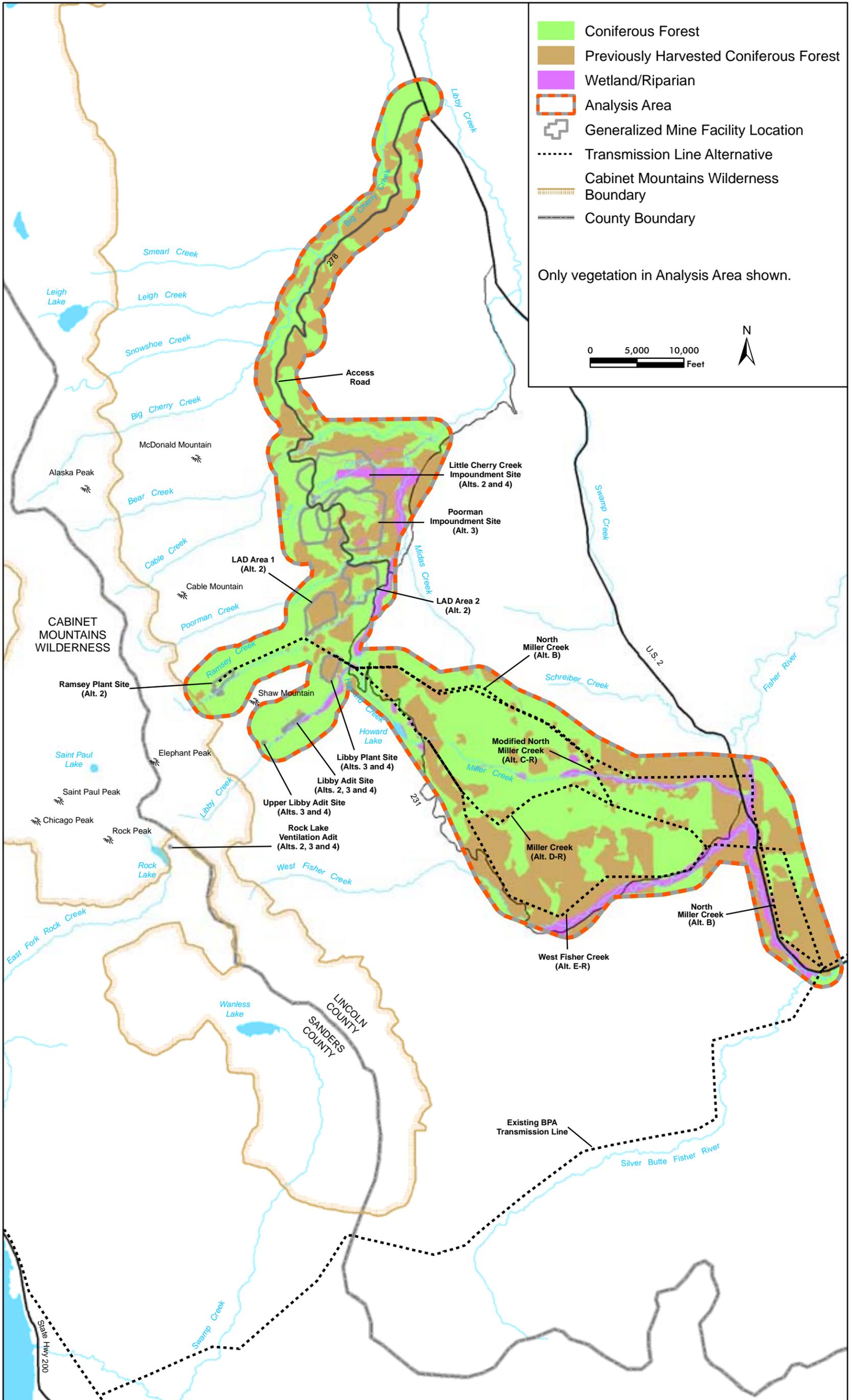


Figure 85. Vegetation Communities in the Analysis Area

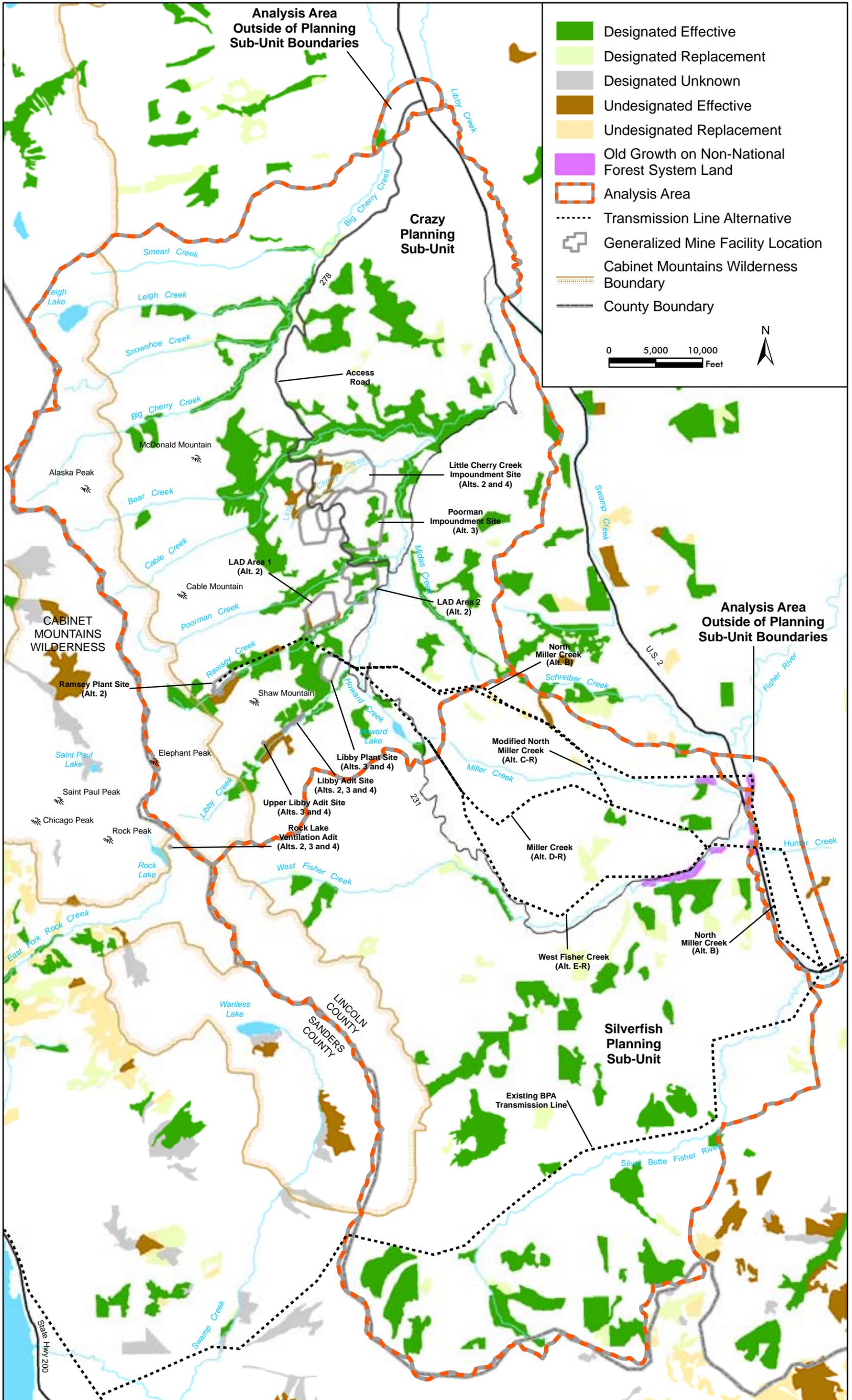


Figure 86. Old Growth Forest in the Analysis Area

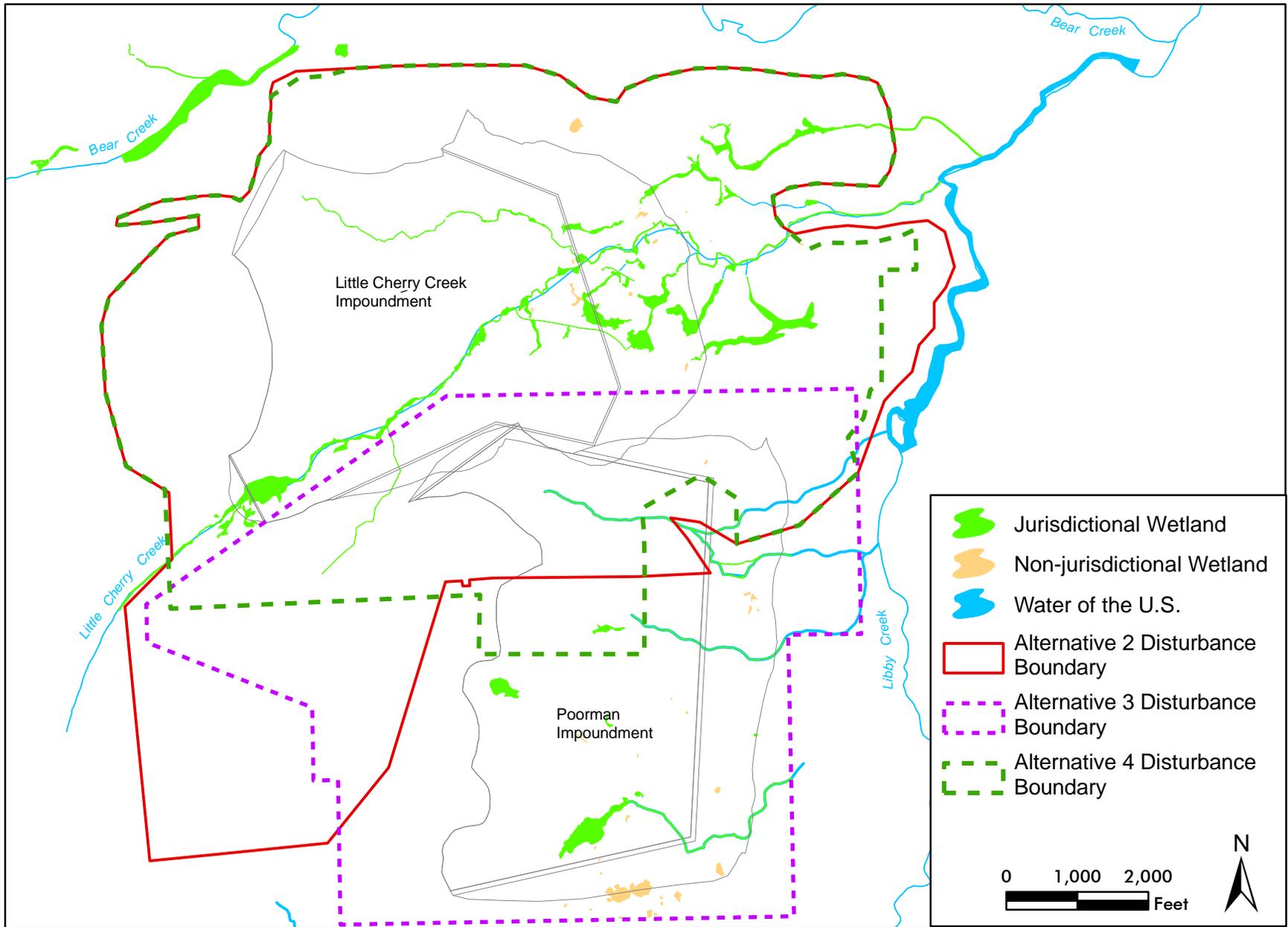


Figure 87. Wetlands in the Two Tailings Impoundment Sites

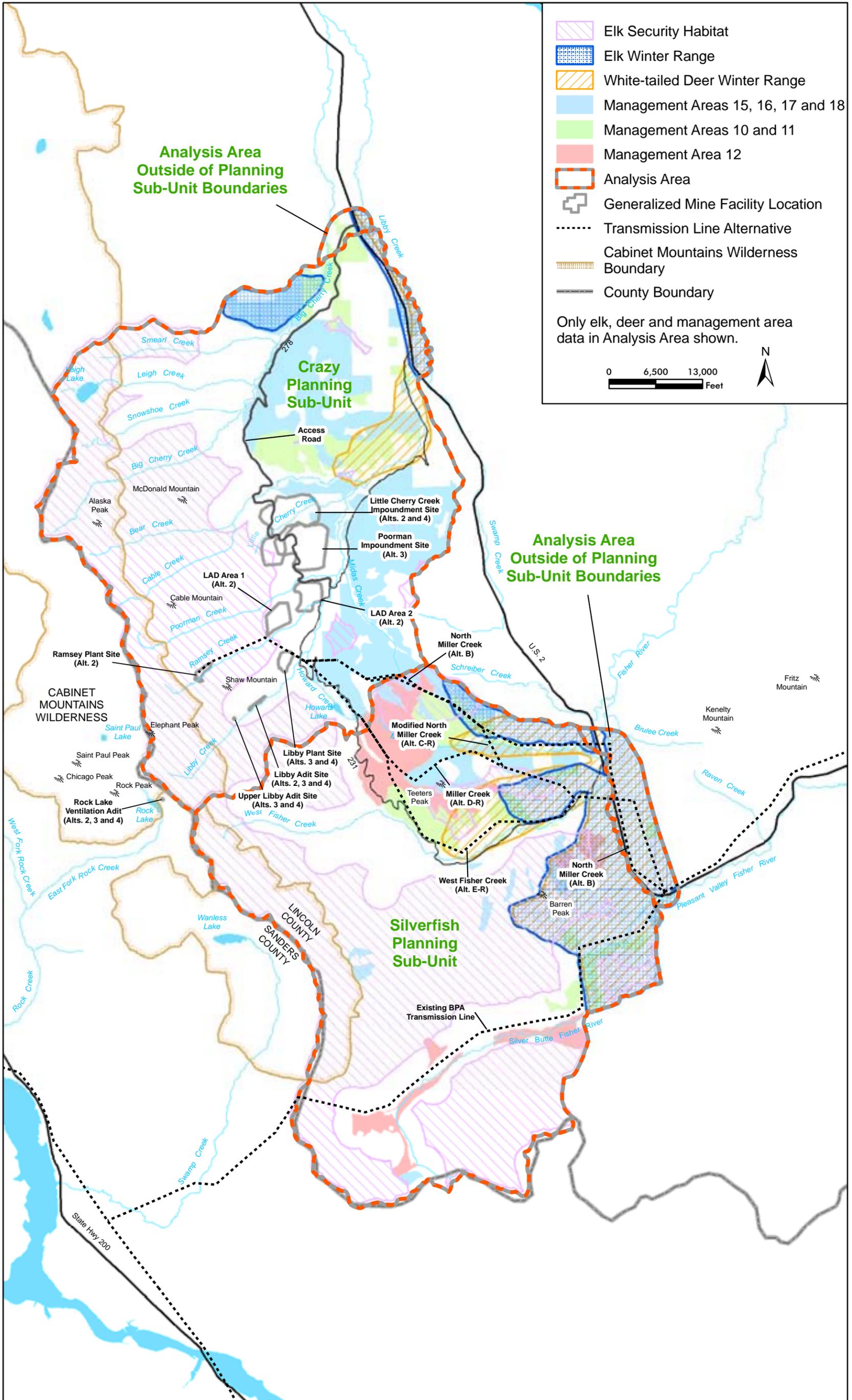


Figure 89. Elk and White-tailed Deer Habitat in the Analysis Area

