



Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32051

Entry Year 2027

Acreage: 8,751

County: Marquette

Management Area: Ralph Moraine

Stand Examiner: Jacob Siler

Legal Description:

T44N, R26W, Sections 8, 9, 10, 13, 14, 15, 16, 17, 20, 21, 22, 23, 24, 25, 26, 27, 28, 35, 36T44N, R25W Sections 19, 29, 30, 31, 32

Identified Planning Goals:

The majority of this compartment constitutes the Bill Rollo Grouse Enhanced Management Site (GEMS). Management activities are prioritized by the GEM.

Soil and topography:

Terrain is relatively level to lightly sloping with soils ranging from mucks in the bog areas to excessively drained sands in the northeast portion of the compartment. Major soil associations include the Sagola-Rubicon Complex, Emmet-Escanaba, Paquin-Finch sand, and Rubicon sand.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

The area is predominately state-owned land, with one 40-acre private, non-industrial in-holding. The Bill Rollo Grouse Enhanced Management Site (GEMS) now contains most of the compartment. The area hosts a variety outdoor activity: hunting, fishing, hiking, and ATV/snowmobile riding.

Unique Natural Features:

The compartment is bordered by Chandlers Brook on the east side, Bryan Creek on the west and the West Branch of the Escanaba River on the south side. It contains Landon Lake and 3 ERA sites (Ecological Reference Area).

Archeological, Historical, and Cultural Features:

There is some evidence of old logging camps in this compartment but no major concerns.

Special Management Designations or Considerations:

The compartment contains the Bill Rollo Grouse Enhanced Management Site (GEMS). This compartment also contains 3 ERA sites; poor conifer swamp, Management is guided by the Bill Rollo GEMS Management Plan.

Watershed and Fisheries Considerations:

This compartment contains Poplar Creek, Bryan Creek, Chandler Brook, Bobs Creek, Wilson Creek, and the West Branch Escanaba River. These streams are all designated Type 1 trout streams less than 50-ft wide and have predicted mean July water temperatures that range from 59.9 to 66.9°F (cold to cool streams). 300-ft buffers are recommended for these streams in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, Riparian Management Zone is recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is found within the Ralph Moraine Management Area, on Ground Moraines in northern Dickinson and southern Marquette Counties. The dominant Natural Communities are mesic northern forest, poor conifer swamps, and dry mesic northern forest. Major forest cover types include Aspen, Northern Hardwoods, and Mixed Lowland Conifers. Almost every cover type and associated species can be found within the management area including several deer wintering complexes. This management area provides some of the finest grouse and woodcock hunting in the Midwest and this is a wildlife management priority that will continue. Wildlife management issues in the management area are early successional forest conditions (associated with alder, riparian zones, or forested wetlands); mast (hard and soft); habitat fragmentation; mature forest (upland deciduous, especially aspen and mixed forest with little understory); coarse woody debris; and deer wintering complexes. The following have been identified as featured species for the Ralph Moraine Management Area: American Woodcock, Blackburnian Warbler, Golden-winged Warbler, Wood Thrush, Black-backed Woodpecker, Ruffed Grouse, Turkey, American Marten, Snowshoe Hare, White-tailed Deer, Black Bear. For lands purchased with Pittman-Robertson Act or Game and Fish funds, the primary objective of vegetative management must be wildlife restoration.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state. The Kate's Grade sand & gravel pit is less than one mile west. While it is unclear whether the State owns the sand & gravel rights for the existing pit, the DNR had recently leased the undeveloped property just south of the pit to the Dickinson County Road Commission. That lease terminated last year without the DCRC ever developing the property. There is good potential for additional development of sand & gravel within the compartment on the upland drumlins. Historic abandoned iron mines occur roughly five miles northeast of the compartment. There is no history of exploration or mining within the compartment, and there is no current metallic mineral leasing activity involving State-owned mineral rights in the area. There may be some potential for the occurrence of metallic or critical minerals at depth beneath the compartment, but further investigation would be required, and, at this time, potential of future metallic mineral mining within the compartment is considered low. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

Vehicle access to the compartment is excellent via County Road 438, Perrin Bros. Road, and numerous 2-tracks.

Survey Needs:**Recreational Facilities and Opportunities:**

Bill Rollo memorial GEM hosts hunting, hiking and snowshoeing. The compartment also contains many 2-tracks for hunting and fishing access. A snowmobile trail also runs down Perrin Bros Rd.

Fire Protection:

This compartment has a low risk for wildfire.

Additional Compartment Information:**The following reports from the Inventory are attached:**

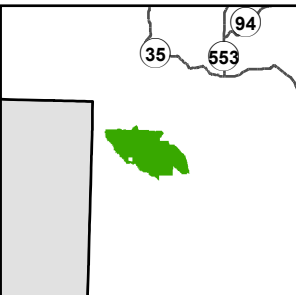
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

The following information is displayed, where pertinent, on the attached compartment maps:

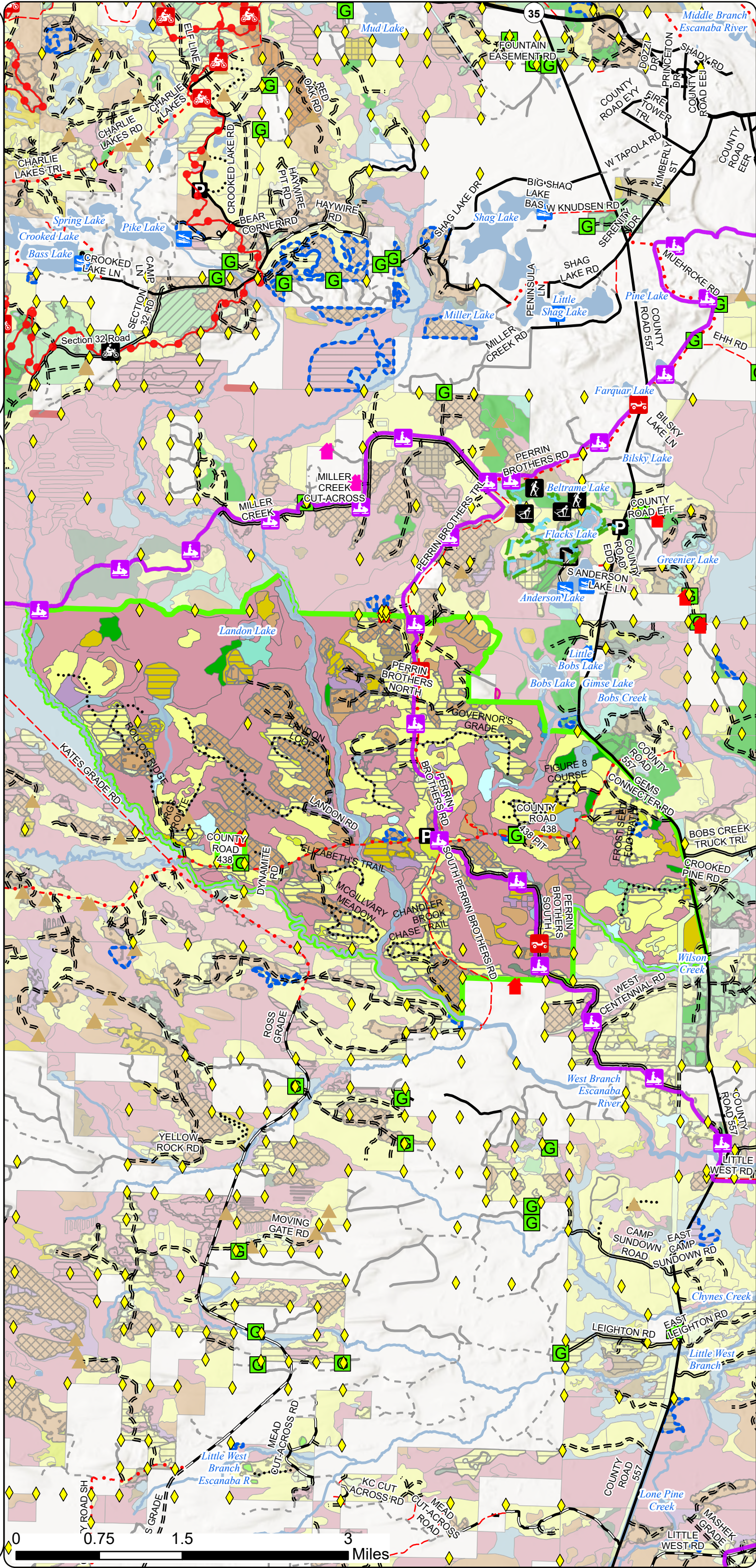
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 32051
T44N R26W Sections 8-10, 13-18, 20-28, 34-36
County: Marquette
Unit: Gwinn
Mgmt. Area: Ralph Moraine
YOE: 2027
Acres: 8,750.77 GIS Calculated
Examiner: Jacob Siler
Date Exported: 12/15/2025
Map Phase: Post Review

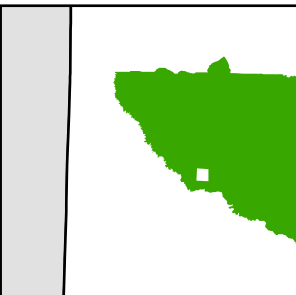


- Survey Grade Corners
- Parking Lot
- Boating Access Site
- Berm
- Gate
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut
- Selection
- Shelterwood
- Thinning
- Openings Mgmt.
- Monitoring - Regeneration
- Selection (Outside Compartment)
- Clearcut
- Selection
- Strip/Patch Cut
- Seed Tree
- Shelterwood
- Thinning
- Planting (tree species)
- Pesticide
- Openings Mgmt.
- Monitoring - Regeneration
- Monitoring
- Other Treatments - See Comments
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water
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- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested Wetland

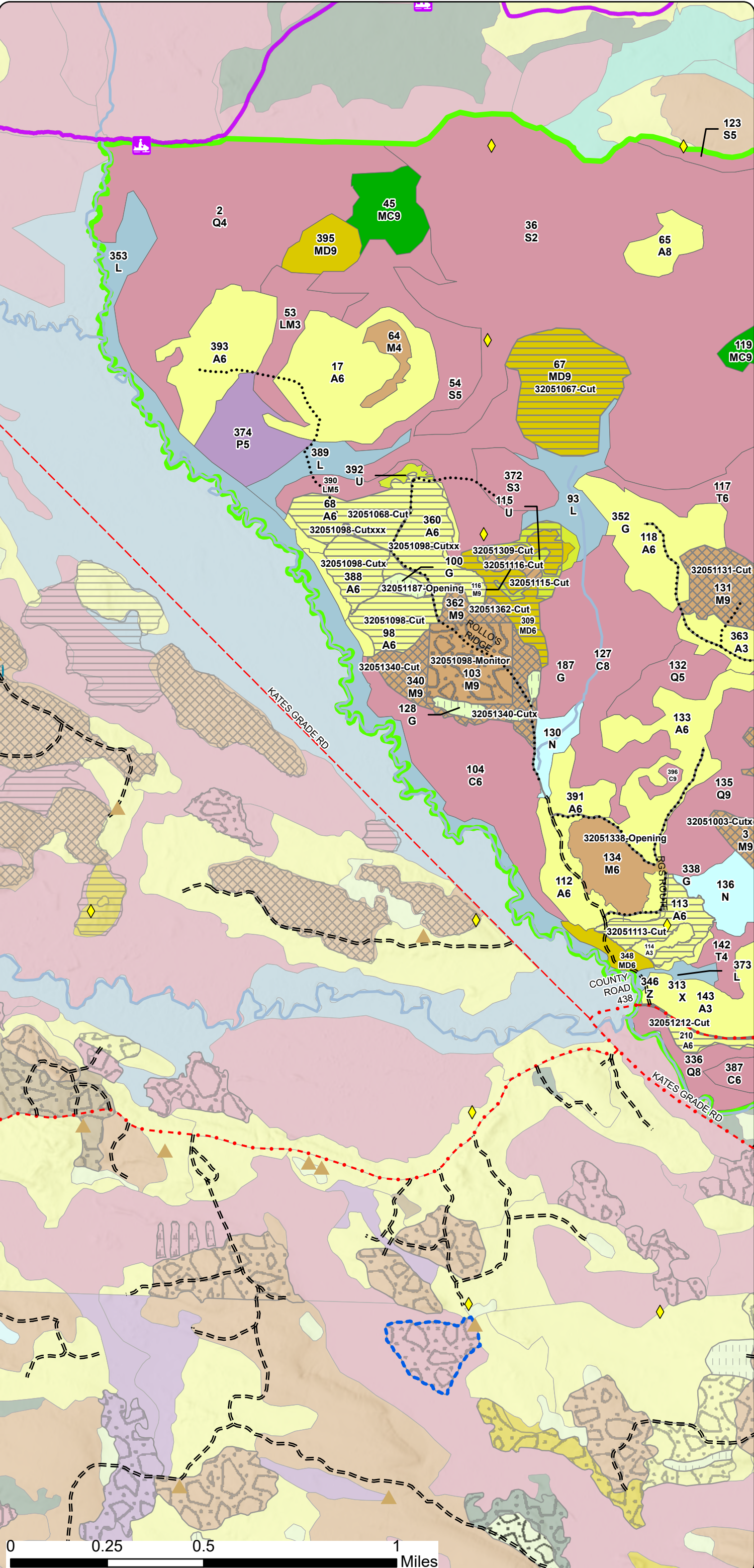


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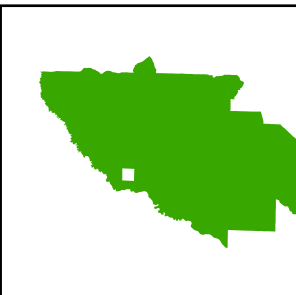


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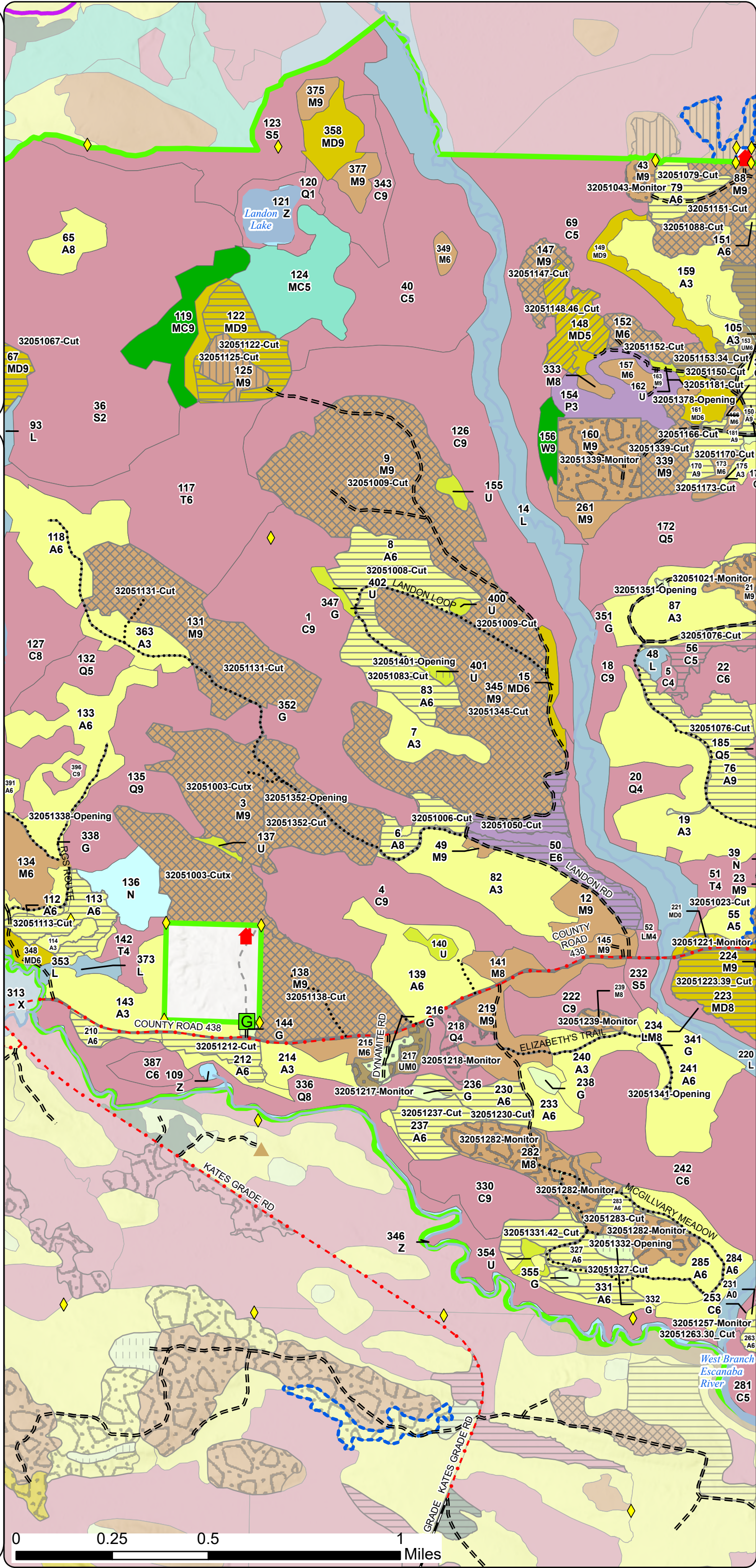


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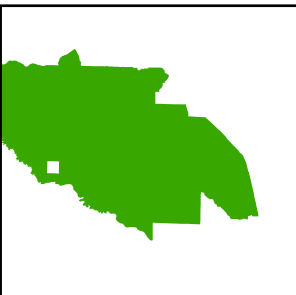


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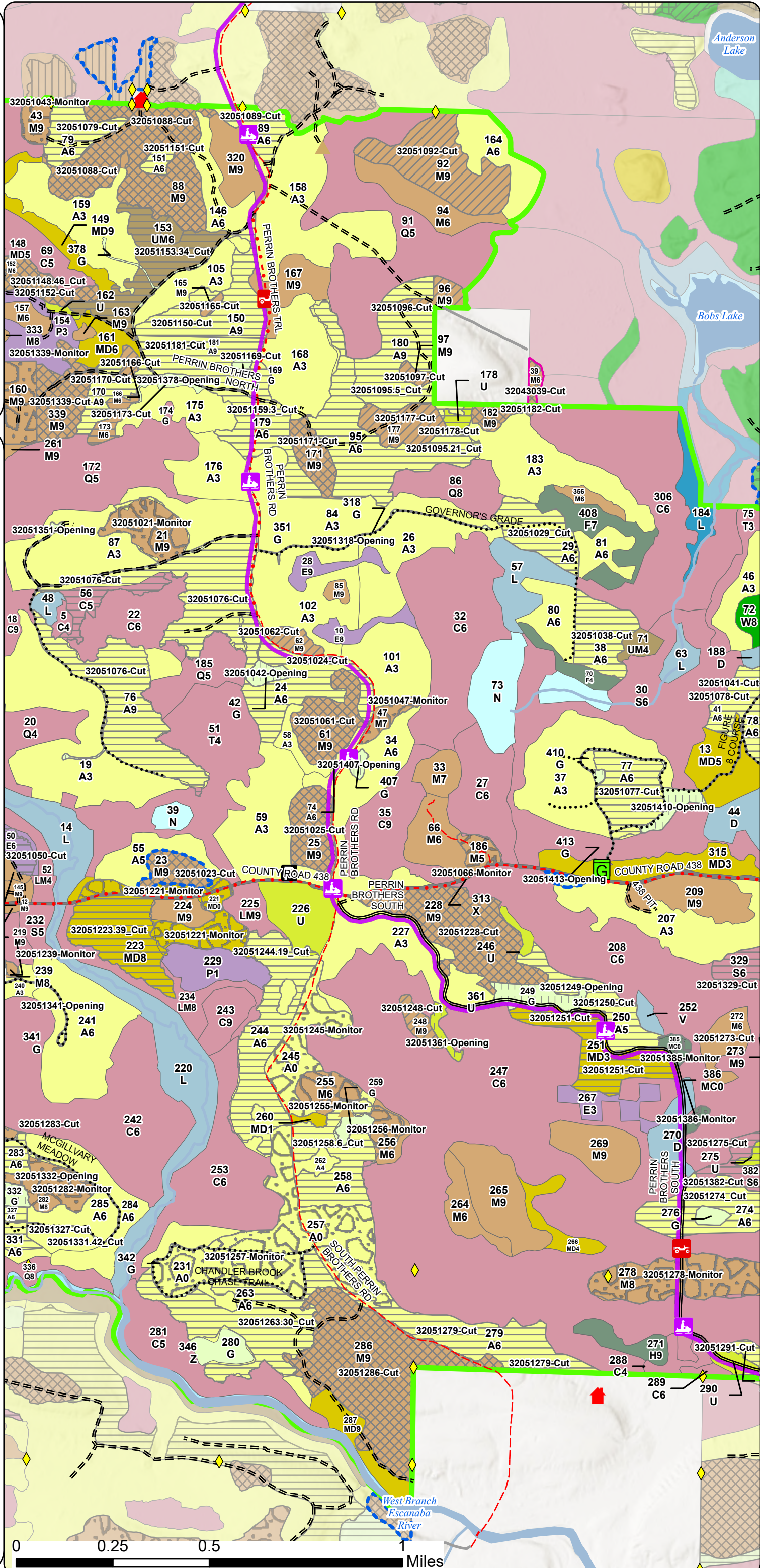


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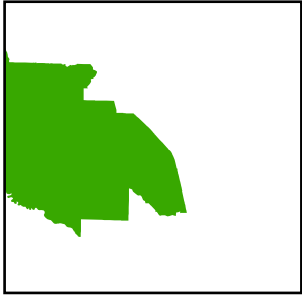
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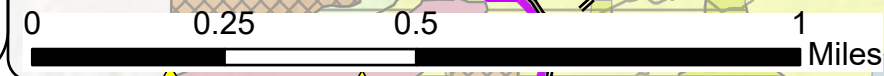


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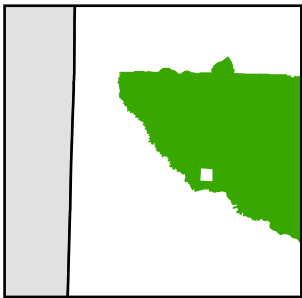







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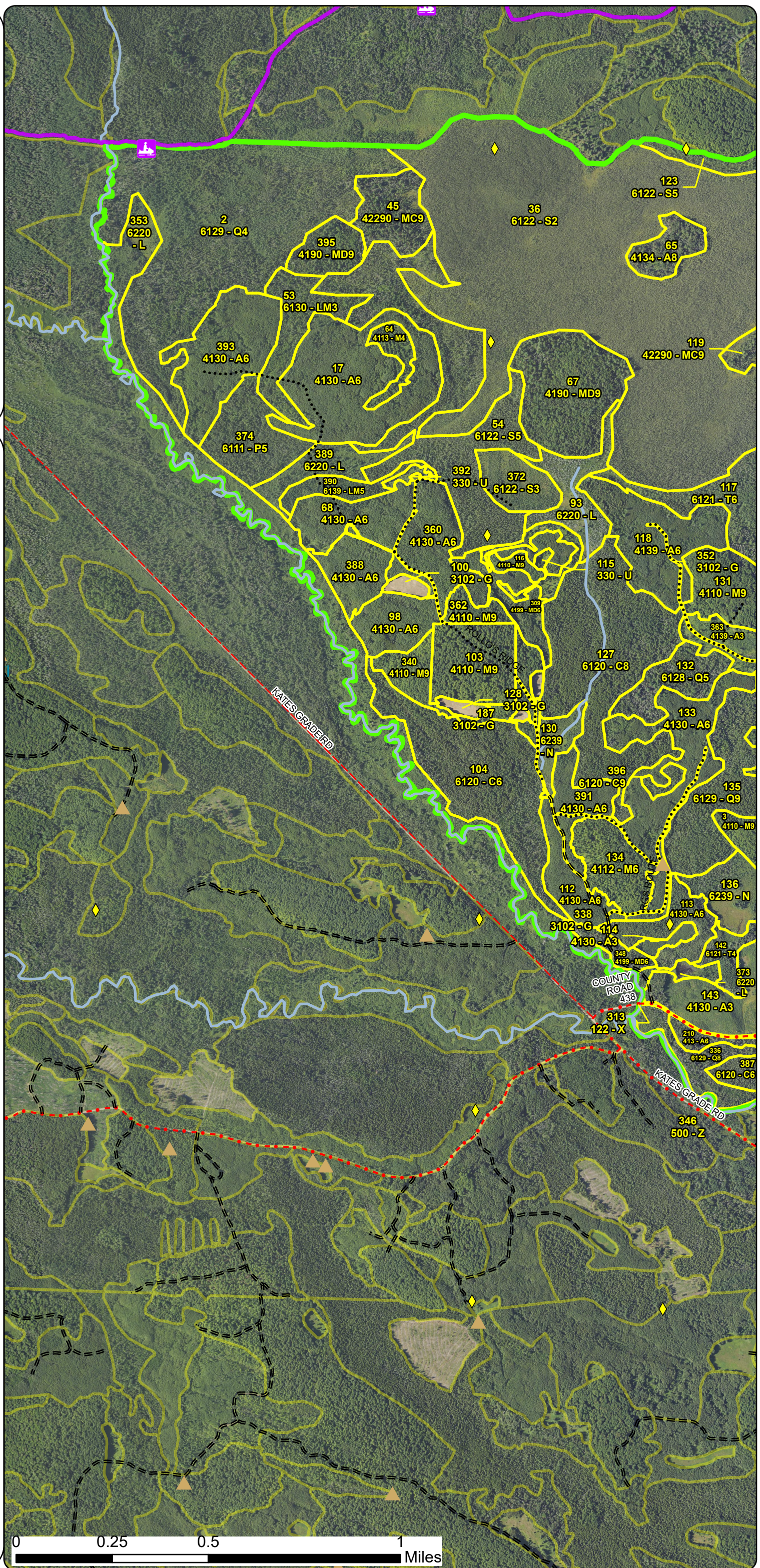




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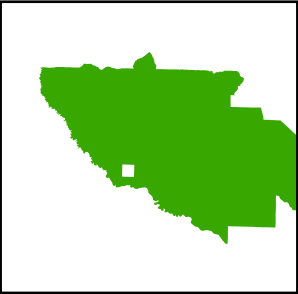


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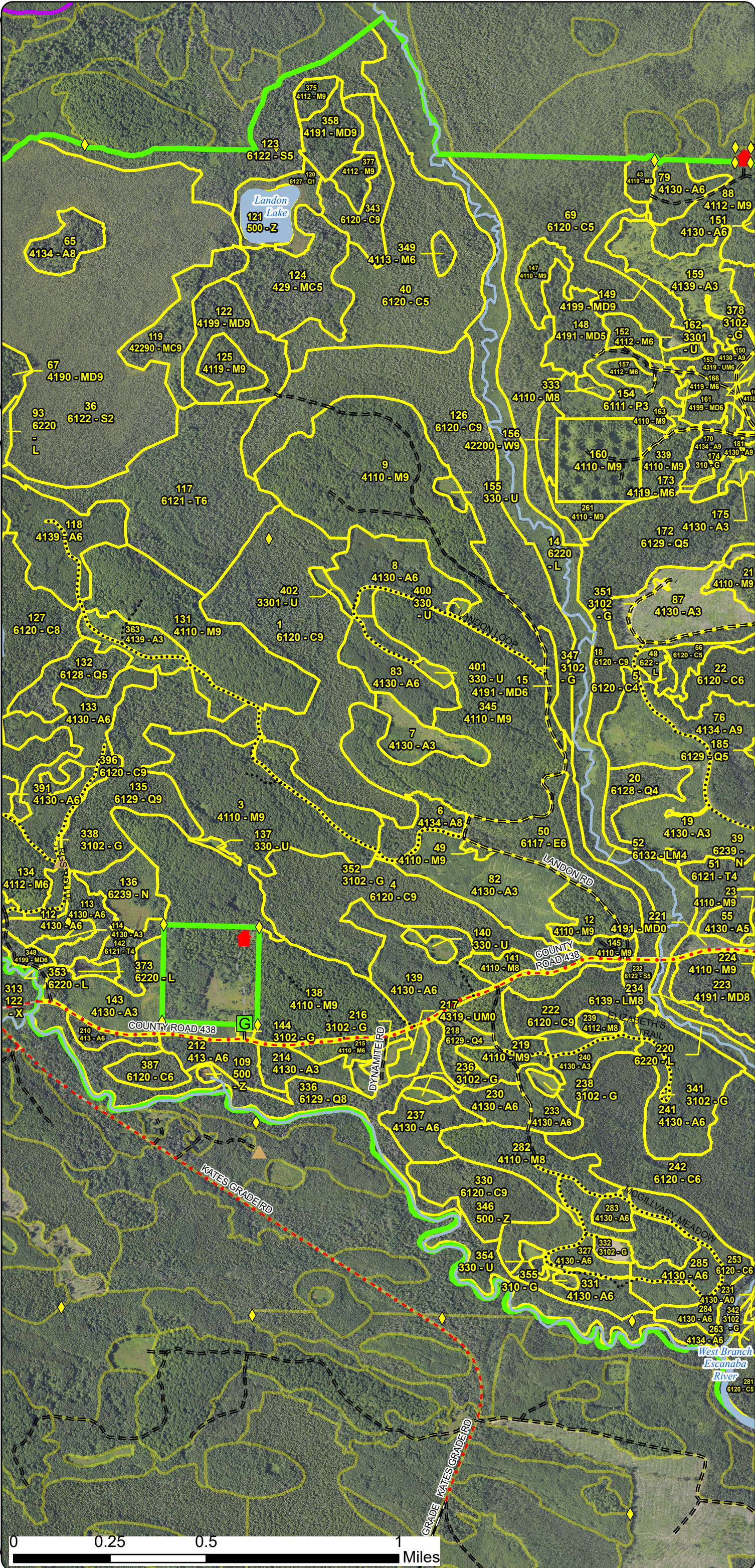


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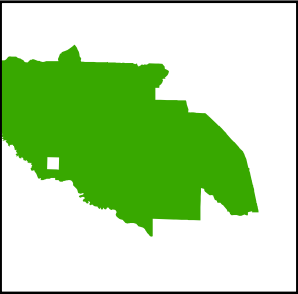


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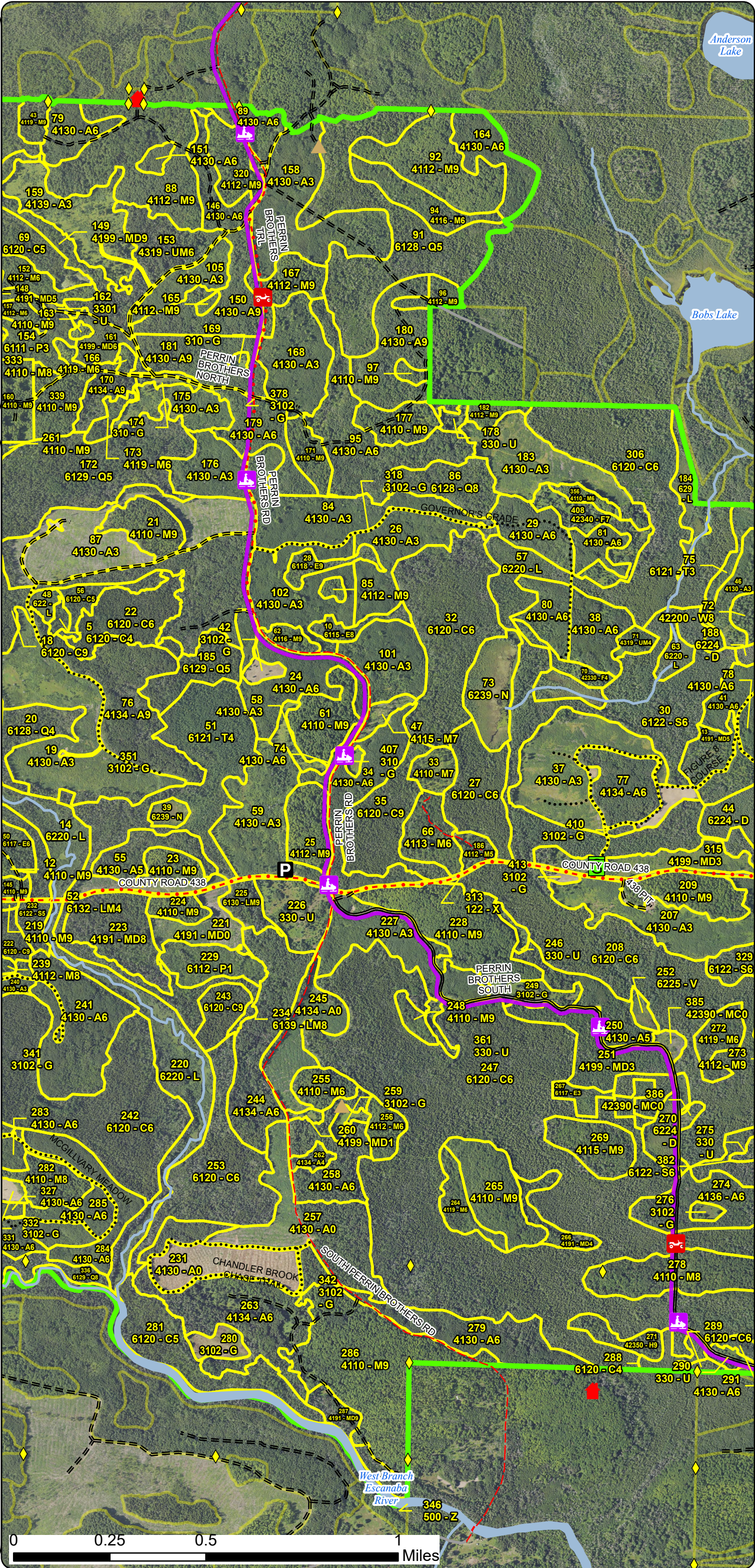


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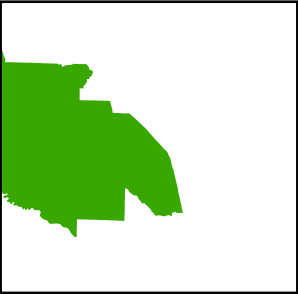


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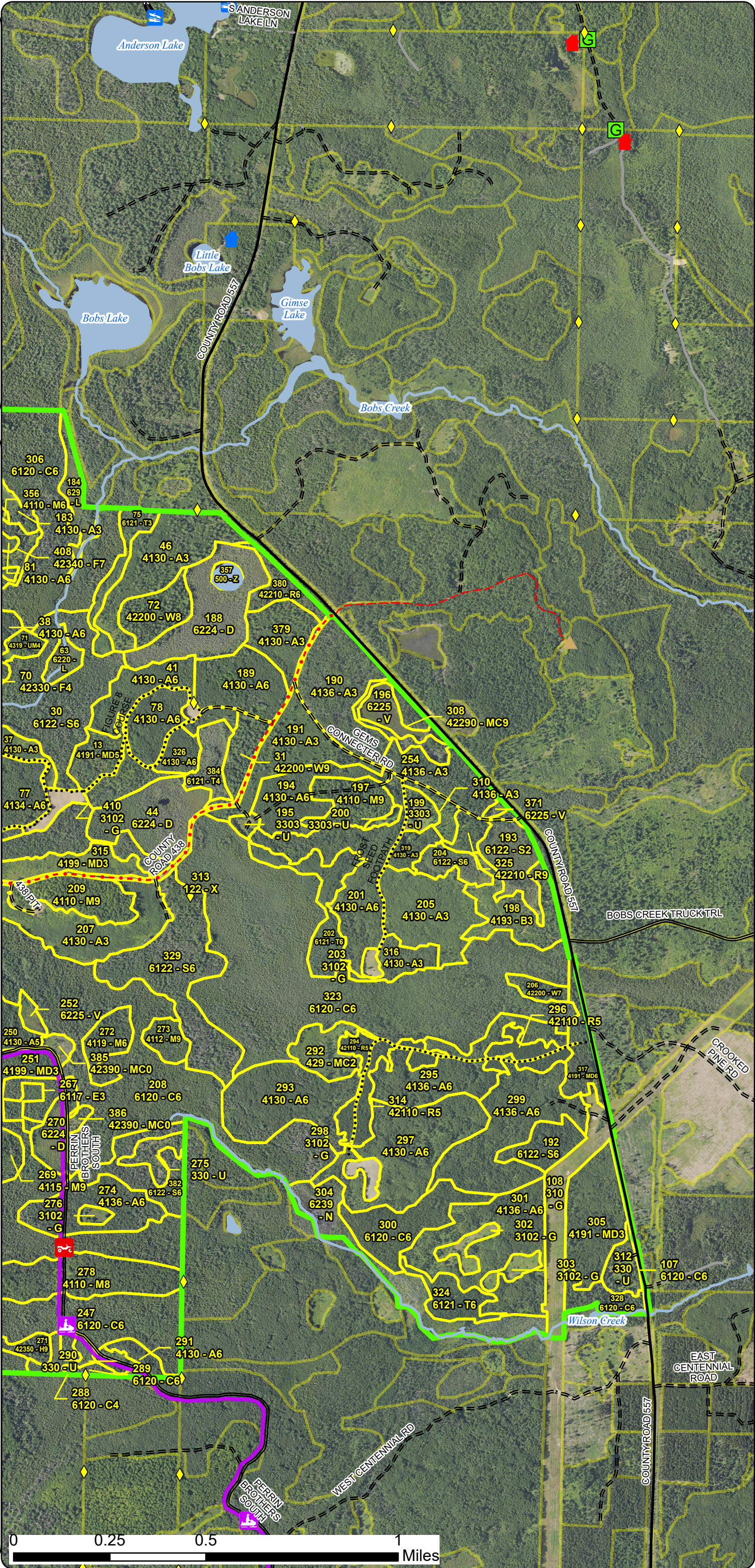


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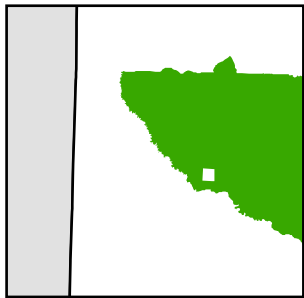
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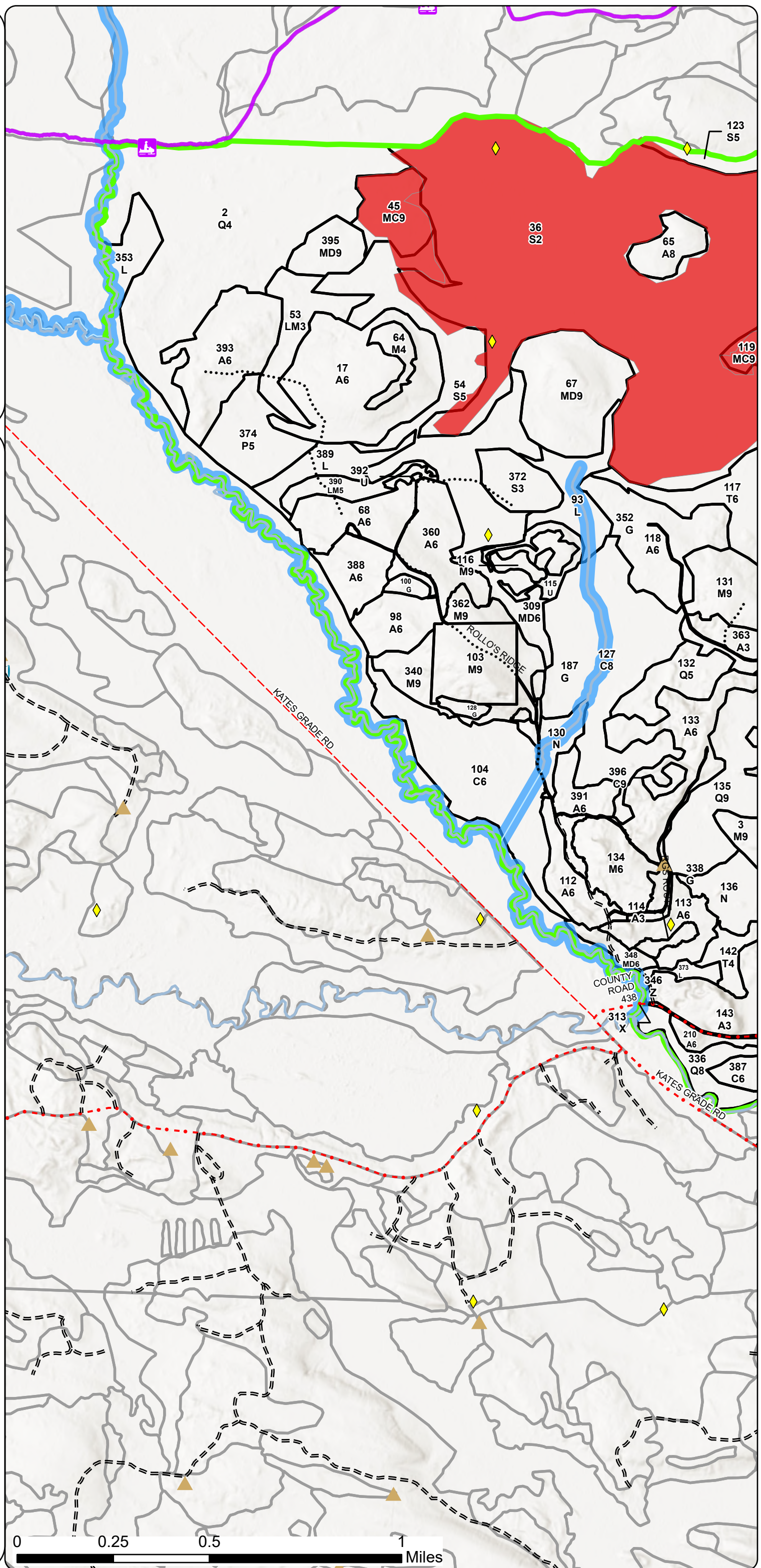
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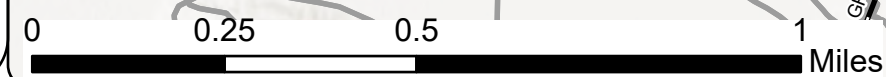
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-  Culvert
-  Berm
-  Compartment Boundary
-  Stand Boundaries
-  Ecological Reference Areas
-  Cold Water Streams
-  High Priority Trout Stream Buffer



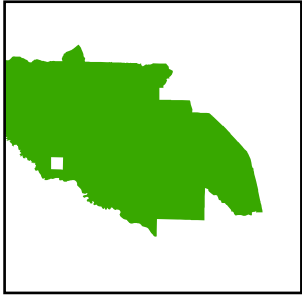
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


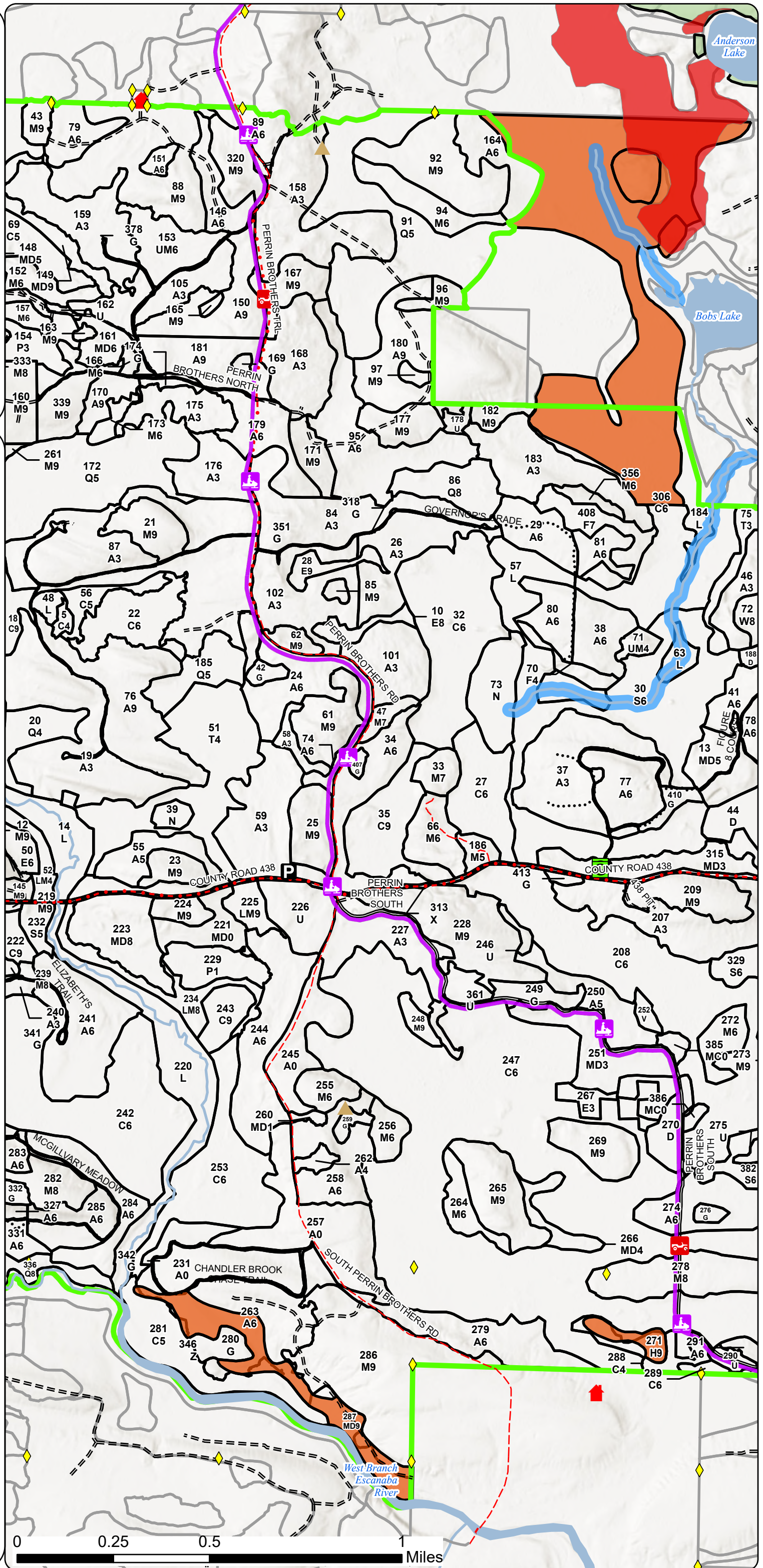
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- This map displays a section of the West Branch Escanaba River watershed. Land parcels are delineated by black lines and labeled with codes such as 36 S2, 119 MC9, 121 Q1, 122 MD9, 123 S5, 124 MC5, 125 M9, 126 C9, 127 C8, 128 Q5, 131 M9, 132 Q5, 133 A6, 134 M6, 135 Q9, 136 N, 137 U, 138 M9, 139 A6, 140 U, 141 M8, 142 T4, 143 A3, 144 G, 145 M9, 146 M8, 147 M9, 148 MD5, 149 MD9, 150 A9, 151 A6, 152 M6, 153 UM6, 154 P3, 155 U, 156 W9, 157 M6, 158 M9, 159 A3, 160 M9, 161 MD6, 162 U, 163 M9, 164 M6, 165 G, 166 M6, 167 A9, 168 A9, 169 A3, 170 A3, 171 A3, 172 Q5, 173 M6, 174 A3, 175 A3, 176 A3, 177 A3, 178 A3, 179 A3, 180 A3, 181 A3, 182 A3, 183 A3, 184 A3, 185 Q5, 186 Q5, 187 Q5, 188 Q5, 189 Q5, 190 Q5, 191 Q5, 192 Q5, 193 Q5, 194 Q5, 195 Q5, 196 Q5, 197 Q5, 198 Q5, 199 Q5, 200 Q5, 201 Q5, 202 Q5, 203 Q5, 204 Q5, 205 Q5, 206 Q5, 207 Q5, 208 Q5, 209 Q5, 210 Q5, 211 Q5, 212 A6, 213 A6, 214 A3, 215 M6, 216 M6, 217 UM0, 218 Q4, 219 M9, 220 L, 221 MD0, 222 C9, 223 MD8, 224 M9, 225 M9, 226 M9, 227 M9, 228 M9, 229 M9, 230 A6, 231 A6, 232 A6, 233 A6, 234 A6, 235 A6, 236 G, 237 A6, 238 G, 239 M8, 240 A3, 241 A6, 242 C6, 243 C6, 244 C6, 245 C6, 246 C6, 247 C6, 248 C6, 249 C6, 250 C6, 251 C6, 252 C6, 253 C6, 254 U, 255 G, 256 G, 257 G, 258 G, 259 G, 260 G, 261 G, 262 G, 263 A6, 264 A6, 265 A6, 266 A6, 267 A6, 268 A6, 269 A6, 270 A6, 271 A6, 272 A6, 273 A6, 274 A6, 275 A6, 276 A6, 277 A6, 278 A6, 279 A6, 280 A6, 281 C5, 282 M8, 283 A6, 284 A6, 285 A6, 286 A6, 287 A6, 288 A6, 289 A6, 290 A6, 291 A6, 292 A6, 293 A6, 294 A6, 295 A6, 296 A6, 297 A6, 298 A6, 299 A6, 300 A6, 301 A6, 302 A6, 303 A6, 304 A6, 305 A6, 306 A6, 307 A6, 308 A6, 309 A6, 310 A6, 311 A6, 312 A6, 313 X, 314 X, 315 X, 316 X, 317 X, 318 X, 319 X, 320 X, 321 X, 322 X, 323 X, 324 X, 325 X, 326 X, 327 A6, 328 A6, 329 A6, 330 C9, 331 A6, 332 G, 333 M8, 334 U, 335 G, 336 Q8, 337 Q8, 338 G, 339 M9, 340 M9, 341 G, 342 G, 343 C9, 344 C9, 345 M9, 346 Z, 347 G, 348 MD6, 349 M6, 350 M6, 351 A3, 352 G, 353 L, 354 U, 355 G, 356 G, 357 G, 358 MD9, 359 MD9, 360 MD9, 361 MD9, 362 MD9, 363 A3, 364 A3, 365 A3, 366 A3, 367 A3, 368 A3, 369 A3, 370 A3, 371 A3, 372 A3, 373 L, 374 L, 375 M9, 376 M9, 377 M9, 378 A3, 379 A3, 380 A3, 381 A3, 382 A3, 383 A3, 384 A3, 385 A3, 386 A3, 387 C6, 388 C6, 389 C6, 390 C6, 391 A6, 392 A6, 393 A6, 394 A6, 395 A6, 396 C9, 397 C9, 398 C9, 399 C9, 400 U, 401 U, 402 U, 403 U, 404 U, 405 U, 406 U, 407 U, 408 U, 409 U, 410 U, 411 U, 412 U, 413 U, 414 U, 415 U, 416 U, 417 U, 418 U, 419 U, 420 U, 421 U, 422 U, 423 U, 424 U, 425 U, 426 U, 427 U, 428 U, 429 U, 430 U, 431 U, 432 U, 433 U, 434 U, 435 U, 436 U, 437 U, 438 U, 439 U, 440 U, 441 U, 442 U, 443 U, 444 U, 445 U, 446 U, 447 U, 448 U, 449 U, 450 U, 451 U, 452 U, 453 U, 454 U, 455 U, 456 U, 457 U, 458 U, 459 U, 460 U, 461 U, 462 U, 463 U, 464 U, 465 U, 466 U, 467 U, 468 U, 469 U, 470 U, 471 U, 472 U, 473 U, 474 U, 475 U, 476 U, 477 U, 478 U, 479 U, 480 U, 481 U, 482 U, 483 U, 484 U, 485 U, 486 U, 487 U, 488 U, 489 U, 490 U, 491 U, 492 U, 493 U, 494 U, 495 U, 496 U, 497 U, 498 U, 499 U, 500 U, 501 U, 502 U, 503 U, 504 U, 505 U, 506 U, 507 U, 508 U, 509 U, 510 U, 511 U, 512 U, 513 U, 514 U, 515 U, 516 U, 517 U, 518 U, 519 U, 520 U, 521 U, 522 U, 523 U, 524 U, 525 U, 526 U, 527 U, 528 U, 529 U, 530 U, 531 U, 532 U, 533 U, 534 U, 535 U, 536 U, 537 U, 538 U, 539 U, 540 U, 541 U, 542 U, 543 U, 544 U, 545 U, 546 U, 547 U, 548 U, 549 U, 550 U, 551 U, 552 U, 553 U, 554 U, 555 U, 556 U, 557 U, 558 U, 559 U, 560 U, 561 U, 562 U, 563 U, 564 U, 565 U, 566 U, 567 U, 568 U, 569 U, 570 U, 571 U, 572 U, 573 U, 574 U, 575 U, 576 U, 577 U, 578 U, 579 U, 580 U, 581 U, 582 U, 583 U, 584 U, 585 U, 586 U, 587 U, 588 U, 589 U, 590 U, 591 U, 592 U, 593 U, 594 U, 595 U, 596 U, 597 U, 598 U, 599 U, 600 U, 601 U, 602 U, 603 U, 604 U, 605 U, 606 U, 607 U, 608 U, 609 U, 610 U, 611 U, 612 U, 613 U, 614 U, 615 U, 616 U, 617 U, 618 U, 619 U, 620 U, 621 U, 622 U, 623 U, 624 U, 625 U, 626 U, 627 U, 628 U, 629 U, 630 U, 631 U, 632 U, 633 U, 634 U, 635 U, 636 U, 637 U, 638 U, 639 U, 640 U, 641 U, 642 U, 643 U, 644 U, 645 U, 646 U, 647 U, 648 U, 649 U, 650 U, 651 U, 652 U, 653 U, 654 U, 655 U, 656 U, 657 U, 658 U, 659 U, 660 U, 661 U, 662 U, 663 U, 664 U, 665 U, 666 U, 667 U, 668 U, 669 U, 670 U, 671 U, 672 U, 673 U, 674 U, 675 U, 676 U, 677 U, 678 U, 679 U, 680 U, 681 U, 682 U, 683 U, 684 U, 685 U, 686 U, 687 U, 688 U, 689 U, 690 U, 691 U, 692 U, 693 U, 694 U, 695 U, 696 U, 697 U, 698 U, 699 U, 700 U, 701 U, 702 U, 703 U, 704 U, 705 U, 706 U, 707 U, 708 U, 709 U, 710 U, 711 U, 712 U, 713 U, 714 U, 715 U, 716 U, 717 U, 718 U, 719 U, 720 U, 721 U, 722 U, 723 U, 724 U, 725 U, 726 U, 727 U, 728 U, 729 U, 730 U, 731 U, 732 U, 733 U, 734 U, 735 U, 736 U, 737 U, 738 U, 73



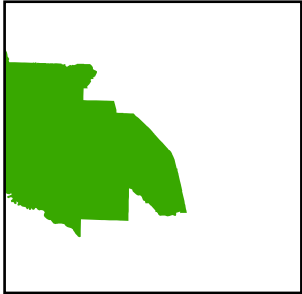
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20-28, 34-36
County: Marquette
Unit: Gwinn
Mgmt. Area: Ralph Moraine
YOE: 2027
Acres: 8,750.77 GIS Calculated
Examiner: Jacob Siler
Date Exported: 12/15/2025
Map Phase: Post Review
















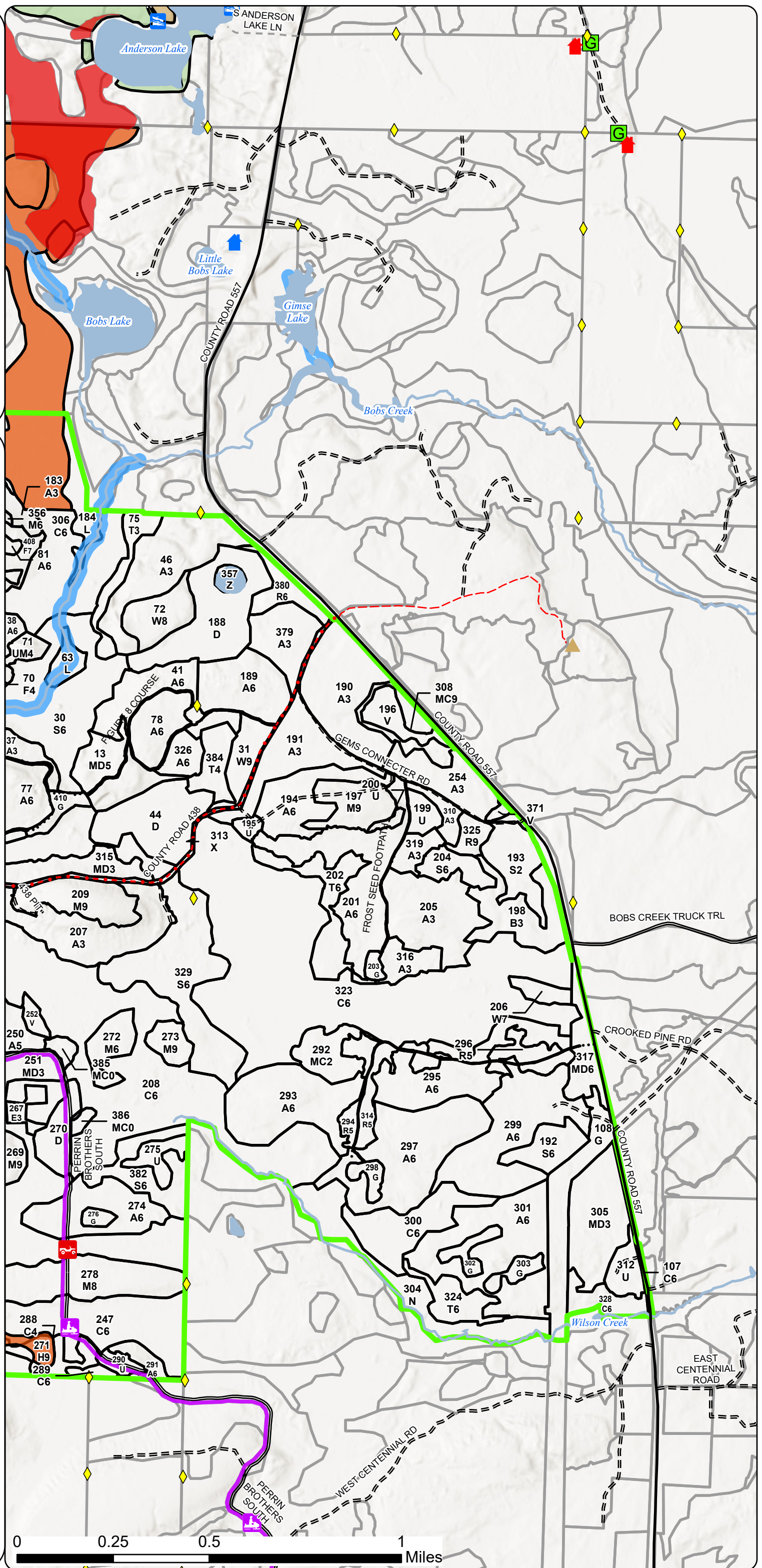
-  Survey Grade Corners
-  Parking Lot
-  Berm
-  Gate
-  Compartment Boundary
-  Stand Boundaries
-  Ecological Reference Areas
-  SCA
-  Cold Water Streams
-  High Priority Trout Stream Buffer
-  Other Habitat Area
-  Recreational/Scenic Value Area



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-  Survey Grade Corners
-  Boating Access Site
-  Berm
-  Gate
-  Compartment Boundary
-  Stand Boundaries
-  Ecological Reference Areas
-  SCA
-  Cold Water Streams
-  High Priority Trout Stream Buffer
-  State Forest Campground
-  Other Habitat Area
-  Recreational/Scenic Value Area



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	91	435	364	257	627	466	81	85	0	5	0	92	0	0	0	0	0	3	2506
Bog	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Cedar	0	0	0	0	0	0	0	0	6	0	103	217	324	162	352	124	559	46	1893
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	8
Herbaceous Openland	123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123
Low-Density Trees	79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79
Lowland Aspen/Balsam Poplar	0	0	14	24	0	0	0	0	0	0	0	0	0	0	0	0	0	28	66
Lowland Conifers	0	0	0	12	0	0	0	0	0	0	0	252	0	29	0	0	79	165	537
Lowland Deciduous	0	0	0	9	0	0	0	0	6	0	0	36	0	0	0	0	0	0	51
Lowland Mixed Forest	0	0	0	0	10	0	0	16	0	15	7	0	0	0	0	0	0	24	72
Lowland Shrub	314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	314
Lowland Spruce/Fir	0	0	0	0	16	28	0	0	98	6	15	492	8	0	0	0	0	89	751
Marsh	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	85
Mixed Upland Deciduous	0	19	0	36	43	41	0	47	73	0	21	0	0	0	0	0	0	70	350
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	47	0	55
Northern Hardwood	0	0	0	8	0	25	0	9	37	0	0	244	125	97	26	0	7	716	1294
Paper Birch	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Red Pine	0	0	0	0	0	25	0	0	9	0	5	0	0	0	0	0	0	0	39
Tamarack	0	0	0	10	19	11	0	0	10	0	10	0	151	0	0	0	0	0	210
Treed Bog	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71
Upland Conifers	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	4	41	57
Upland Mixed Forest	0	0	0	0	4	0	0	35	0	0	0	0	0	0	0	0	0	0	39
Upland Spruce/Fir	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	16	22
Urban	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Water	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
White Pine	0	0	0	0	0	0	0	0	0	0	23	0	0	5	0	0	0	6	33
Total	841	454	410	356	725	596	81	192	239	26	193	1333	608	293	386	124	696	1204	8753



Report 2 – Treatment Summary

Gwinn Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 51
Total Compartment Acres: 8,751

Commercial Harvest - 4447
Harvests with Site Condition - 16
Next Step Harvest - 12
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	831	0	0	0	0	0	0	0	0	831
Cedar	4	0	0	0	0	0	0	0	0	4
Herbaceous Openland	1	0	0	0	0	0	0	0	0	1
Low-Density Trees	16	0	0	0	0	0	0	0	0	16
Lowland Conifers	0	9	0	0	0	0	0	0	0	9
Lowland Deciduous	24	0	0	0	0	0	0	0	0	24
Lowland Spruce/Fir	46	0	0	0	0	0	0	0	0	46
Mixed Upland Deciduous	173	0	0	0	18	0	0	0	0	191
Northern Hardwood	11	810	0	3	11	89	0	0	0	923
Red Pine	0	0	0	0	0	26	0	0	0	26
Upland Mixed Forest	39	0	0	0	0	0	0	0	0	39
Total	1145	819	0	3	11	132	0	0	0	2110

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	2110	0	0	0	0	174	0	0	0	2342
Next Step	12	0	7	0	0	1960	44	329	0	2614
Total	2123	0	7	0	0	2134	44	329	0	4955



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Proposed Treatments:

39	32043039-Cut	2.2	4112 - Maple, Beech, Cherry Association	6	105	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
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Prescription Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge.
Specs: 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable birch, maple, pine, cherry, hemlock

Regen:

Other Snowmobile trail spec will be needed for associated timber sale.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

3	32051003-Cutx	84.0	4110 - Sugar Maple Association	9	120	111- 140	Harvest	Selection	4110 - Sugar Maple Association	Current	No
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Prescription Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge.
Specs: 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable maple, birch, cherry, basswood

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

8	32051008-Cut	30.7	4130 - Aspen	6	37	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Cut all trees 2 inches and greater at DBH. Leave retention as islands. Do not cut cedar, white pine, red pine, and hemlock. Create 5 to 6
Specs: drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, birch, maple BAM, cherry

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2031



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
9	32051009-Cut	114.1	4110 - Sugar Maple Association	9	121	111-140	Harvest	Selection	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, cherry, hemlock, basswood, cedar <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
23	32051023-Cut	7.9	4110 - Sugar Maple Association	9	110	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps. Leave all species represented. Favor large bas <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, basswood, cherry, hemlock <u>Regen:</u> <u>Other</u> Check Conservation Area Reviewer Application. See pre-inventory notes on Gwinn S-Drive. <u>Comment:</u> <u>Site Condition:</u> Other Influence Zones <u>Proposed Start Date:</u> 10/01/2026											
24	32051024-Cut	27.9	4130 - Aspen	6	26	Immature	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut cedar, hemlock, white pine and red pine, unless designated for drumming log. Create 4 <u>Specs:</u> to 5 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. Place retention i <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, mixed hardwood, mixed conifer <u>Regen:</u> <u>Other</u> Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
25	32051025-Cut	14.8	4112 - Maple, Beech, Cherry Association	9	108	111-140	Harvest	Selection	4112 - Maple, Beech, Cherry Association	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> maple, cherry, pine, hemlock, birch, basswood, ash <u>Regen:</u> <u>Other</u> Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
29	32051029_Cut	15.8	4130 - Aspen	6	43	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut cedar, hemlock, white pine and red pine. Create 2 to 4 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. Place retention in an area with a conifer component. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Mixed Hardwood and Conifer. <u>Regen:</u> <u>Other</u> Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
38	32051038-Cut	16.2	4130 - Aspen	6	34	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut cedar, hemlock, white pine and red pine. Create 2 to 4 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. Place retention in an area with a conifer component. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, mixed hardwood, mixed conifer <u>Regen:</u> <u>Other</u> Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
41	32051041-Cut	15.7	4130 - Aspen	6	32	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut cedar, hemlock, cherry, white pine and red pine. Create 2 to 4 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. Place retention in an area with a conifer com <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, mixed hardwood, mixed conifer <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
42	32051042-Opening	3.1	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Cultivated to clover plot <u>Specs:</u> <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Cool season forbs <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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61	32051061-Cut	17.8	4110 - Sugar Maple Association	9	108	81-110	Harvest	Selection	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin to a basal area of 60sqft. Mark to improve quality and provide light for regeneration. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> maple, birch, basswood, cherry. <u>Regen:</u> <u>Other</u> Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
62	32051062-Cut	4.5	4116 - Mixed N. Hardwood - Aspen	9	108	111-140	Harvest	Thinning	4116 - Mixed N. Hardwood - Aspen	Current	No
<u>Prescription</u> Thin to a basal area of 80sqft. Mark to improve quality. Leave all species represented. Favor yellow birch for retention and retain some large forked aspen. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, birch, pine, spruce, fir, ash, oak, BAM <u>Regen:</u> <u>Other</u> Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
67	32051067-Cut	47.5	4190 - Mixed Upland Deciduous with Cedar	9	64	141-170	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Green tree 1, preferably log sized, sugar maple or birch for every acre of treatment. Exclude cedar areas where practical. Do not cut cedar, hemlock and pine. Winter cut only <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, aspen, BAM, spruce, fir, cedar, pine, hemlock, cherry <u>Regen:</u> <u>Other</u> ERA to the North and start of cold-water stream to the south. Lowland crossing will require care and more than likely mats. I did not observe any stream where lowland crossing area will be needed. I don't believe stream buffer will be needed, as stream or <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
78	32051078-Cut	17.3	4130 - Aspen	6	32	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut cedar, hemlock, white pine, cherry and red pine. Create 2 to 4 drumming logs, at least <u>Specs:</u> 8 feet long, from trees optimally 9-15 inches in size, if available. Place retention in an area with a conifer com <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, mixed hardwood, mixed conifer <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
79	32051079-Cut	12.1	4130 - Aspen	6	37	111- 140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut, cherry, cedar, hemlock, white pine and red pine. Create 2 to 4 drumming logs, at least <u>Specs:</u> 8 feet long, from trees optimally 9-15 inches in size, if available. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, pine, spruce, fir, cherry <u>Regen:</u> <u>Other</u> Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
83	32051083-Cut	25.1	4130 - Aspen	6	36	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Leave retention as islands. Do not cut cedar, white pine, red pine, and hemlock. Create 4 to 5 <u>Specs:</u> drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, birch, maple, cherry, BAM <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
88	32051088-Cut	50.5	4112 - Maple, Beech, Cherry Association	9	106	111- 140	Harvest	Selection	4112 - Maple, Beech, Cherry Association	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, cherry, basswood <u>Regen:</u> <u>Other</u> Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											



Standard Treatment Name Acres Stand CoverType Size Density Stand Age BA Range Treatment Type Treatment Method Cover Type Objective Age Structure Habitat Cut

89 32051089-Cut 9.5 4130 - Aspen 6 40 111-140 Harvest Clearcut 413 - Aspen Planting Record No

Prescription Cut all trees 2 inches and greater at DBH. Do not cut, cherry, cedar, hemlock, white pine and red pine. Create 1 to 2 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available.

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable aspen, birch, cherry, pine, maple, BAM
Regen:

Other no retention needed
Comment: Snowmobile trail spec will be needed for associated timber sale.

Site Condition:

Proposed Start Date: 10/01/2031

92 32051092-Cut 32.3 4112 - Maple, Beech, Cherry Association 9 106 111-140 Harvest Thinning 4110 - Sugar Maple Association Current No

Prescription Thin to a BA of 80sqft. Mark to improve quality. Remove red maple when possible. Do not cut basswood.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other Snowmobile trail spec will be needed for associated timber sale.
Comment:

Site Condition:

Proposed Start Date: 10/01/2031

96 32051096-Cut 5.4 4112 - Maple, Beech, Cherry Association 9 100 111-140 Harvest Thinning 4112 - Maple, Beech, Cherry Association Current No

Prescription Thin to basal area of 80sqft. Mark to improve quality. Do not cut basswood.
Specs:

Next Step
Treatments:

Acceptable maple, birch, cherry, spruce, fir, pine, cedar, and hemlock
Regen:

Other Snowmobile trail spec will be needed for associated timber sale.
Comment:

Site Condition:

Proposed Start Date: 10/01/2026



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
97	32051097-Cut	2.2	4110 - Sugar Maple Association	9	106	111- 140	Harvest	Thinning	4110 - Sugar Maple Association	Planting Record	No
<u>Prescription</u> Thin to a basal area of 80sqft. Mark to improve quality. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
115	32051115-Cut	7.2	330 - Low-Density Trees	99			Harvest	Clearcut	4130 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at dbh. Do not cut cherry, cedar, hemlock, red pine, and white pine. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); Planting, Interplant <u>Treatments:</u> <u>Acceptable</u> aspen, BAM, pine, cherry, birch, spruce, and fir <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
116	32051116-Cut	3.5	4110 - Sugar Maple Association	9	120	111- 140	Harvest	Thinning	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin to a basal area of 80sqft. Follow complete marker. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> maple, basswood, cherry, and birch <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
122	32051122-Cut	24.1	4199 - Other Mixed Upland Deciduous	9	70	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut white pine, red pine, hemlock, basswood and cedar. Do not cut trees meeting legacy <u>Specs:</u> tree guidelines. Buffer ERA, as defined by ERA layer, by 1 chain. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, cherry, cedar, hemlock, pine, BAM, basswood, spruce, fir <u>Regen:</u> <u>Other</u> Probably best suited as a winter cut. Access road from stand 9 was lifted out of the swamp in the 50s/60s. I observed 1 culvert but not sure if <u>Comment:</u> a stream is present. <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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125	32051125-Cut	10.6	4119 - Mixed Northern Hardwoods	9	120	111- 140	Harvest	Shelterwood	4119 - Mixed Northern Hardwoods	Current	No
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Prescription Mark to retain residual BA of 40 to 60sqft, cutting all remaining trees 2 inches and greater at DBH. Focus on leave sugar maple and basswood. Do not cut hemlock, white pine, red pine and cedar. Do not cut trees meeting legacy tree guidelines. Exclude area

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable maple, birch, pine, cedar, hemlock, basswood, aspen, BAM, spruce, fir, cherry

Regen:

Other Access road from stand 9 was lifted out of the swamp in the 50s/60s. I observed 1 culvert but not sure if a stream is present.
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

131	32051131-Cut	67.6	4110 - Sugar Maple Association	9	106	111- 140	Harvest	Selection	4110 - Sugar Maple Association	Current	No
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Prescription Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge.
Specs: 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable maple, basswood, birch, cherry, hemlock

Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

138	32051138-Cut	47.5	4110 - Sugar Maple Association	9	120	81-110	Harvest	Selection	4110 - Sugar Maple Association	Current	No
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Prescription Thin to a basal area of 60sqft. Mark to improve quality and provide light for regeneration. Favor large healthy basswood for retention when marking.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable maple, basswood, birch, hemlock

Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2026



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
150	32051150-Cut	24.5	4130 - Aspen	9	49	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut stand using two-inch spec. Create 4 to 5 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. <u>Specs:</u> Leave underrepresented species such as cedar, white pine and hemlock. Favor oak, yellow birch, elm and cherry du <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, birch, cherry <u>Regen:</u> <u>Other</u> See Conservation Area Review Application and Pre-Inventory Docs on Gwinn S-Drive.Snowmobile trail spec will be needed for associated <u>Comment:</u> timber sale. <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
146	32051151-Cut	3.0	4130 - Aspen	6	37	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Create 1 to 2 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if <u>Specs:</u> available. Do not cut, cherry, cedar, hemlock, white pine and red pine. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, spruce, fir, BAM cherry, pine <u>Regen:</u> <u>Other</u> No retention due to small acreage.Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
152	32051152-Cut	9.6	4112 - Maple, Beech, Cherry Association	6	75	81-110	Harvest	Selection	4112 - Maple, Beech, Cherry Association	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, oak, cherry, basswood <u>Regen:</u> <u>Other</u> Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
165	32051165-Cut	1.2	4112 - Maple, Beech, Cherry Association	9	100	111-140	Harvest	Thinning	4112 - Maple, Beech, Cherry Association	Current	No
<u>Prescription</u> Thin to a basal area of 90sqft. Focus on improving quality and removing red maple. Do not cut yellow birch. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
166	32051166-Cut	1.9	4119 - Mixed Northern Hardwoods	6	105	111- 140	Harvest	Thinning	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin to a basal area of 80sqft. Mark to improve quality. Favor large basswood for retention. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
169	32051169-Cut	1.4	310 - Herbaceous Openland	99			Harvest	Clearcut	3102 - Grass	Previous Inventory	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH <u>Specs:</u> <u>Next Step</u> Openings Mgmt., Mowing <u>Treatments:</u> <u>Acceptable</u> Grass. Site will be maintained as opening <u>Regen:</u> <u>Other</u> Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
171	32051171-Cut	9.2	4110 - Sugar Maple Association	9	108	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, pine, hemlock, oak, cherry <u>Regen:</u> <u>Other</u> Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
173	32051173-Cut	4.1	4119 - Mixed Northern Hardwoods	6	105	111- 140	Harvest	Clearcut	4119 - Mixed Northern Hardwoods	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut cedar, hemlock, white pine, red pine, and yellow birch. Green tree 3 paper birch, black <u>Specs:</u> cherry or maples. Green tree a few healthy wind firm white spruce, if present. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, pine, birch, spruce, cherry, cedar, hemlock <u>Regen:</u> <u>Other</u> No long-term retention. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
177	32051177-Cut	11.7	4110 - Sugar Maple Association	9	106	111- 140	Harvest	Thinning	4110 - Sugar Maple Association	Planting Record	No
<u>Prescription</u> Thin to a basal area of 80sqft. Mark to improve quality. Do not mark white ash. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> White ash to be retained for cavity trees.Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
178	32051178-Cut	2.4	330 - Low-Density Trees	99			Harvest	Clearcut	330 - Low- Density Trees	Previous Inventory	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. <u>Specs:</u> <u>Next Step</u> NonForestMgt, Mowing <u>Treatments:</u> <u>Acceptable</u> aspen, maple, spruce, fir, pine, birch, cherry, herbaceous plants <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
181	32051181-Cut	24.1	4130 - Aspen	9	49	111- 140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut, cherry, cedar, hemlock, white pine and red pine. Green tree 4 maple and/or birch <u>Specs:</u> trees, log sized if possible. Green tree a few healthy wind firm white spruce, if available. Create 4 to 5 drumming lo <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, spruce, fir, pine, BAM <u>Regen:</u> <u>Other</u> Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
182	32051182-Cut	4.5	4112 - Maple, Beech, Cherry Association	9	105	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, cherry, pine, hemlock <u>Regen:</u> <u>Other</u> Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
187	32051187-Opening	9.4	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess <u>Specs:</u> <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Cool season forbs <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025											
197	32051197-Cut	14.0	4110 - Sugar Maple Association	9	120	81-110	Harvest	Thinning	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin to a basal area of 80sqft. Mark to improve quality. Leave all species represented. Do not cut yellow birch and favor large basswood for retention. Exclude low basal area areas with desirable regeneration present. A few areas with low basal area may b <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
201	32051201-Cut	36.3	4130 - Aspen	6	42	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut cherry, red pine, white pine and cedar. Use timber sale to create 3 slash piles. Slash <u>Specs:</u> piles should be 12' to 18' in diameter and 3' to 6' in height. Create 6 to 7 drumming logs, at least 8 feet long, <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, spruce, fir, pine, BAM, tamarack <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
203	32051203-Opening	2.6	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast <u>Specs:</u> producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Cool season forbs <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
228	32051228-Cut	38.2	4110 - Sugar Maple Association	9	120	111- 140	Harvest	Selection	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar											
<u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u>											
<u>Acceptable</u> Sugar Maple Associates <u>Regen:</u>											
<u>Other</u> Look at adding stand 249 treatment, G Stand, to timber sale if possible. Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u>											
<u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
230	32051230-Cut	13.0	4130 - Aspen	6	34	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut pine, cedar, hemlock, maple, spruce and fir. Create 2 to 3 drumming logs, at least 8 <u>Specs:</u> feet long, from trees optimally 9-15 inches in size, if available.											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u>											
<u>Acceptable</u> aspen, maple, spruce, fir, pine, birch, cherry <u>Regen:</u>											
<u>Other</u> Look at accessing this stand from the east to avoid conflicts with buffers. <u>Comment:</u>											
<u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
237	32051237-Cut	15.5	4130 - Aspen	6	34	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut pine, cedar and hemlock. Create 2 to 3 drumming logs, at least 8 feet long, from trees <u>Specs:</u> optimally 9-15 inches in size, if available. Harvest activities only during inactive wood turtle season (October 1											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u>											
<u>Acceptable</u> Aspen, mixed hardwood, mixed conifer <u>Regen:</u>											
<u>Other</u> Place retention in stream buffer. Consider accessing from east side to avoid conflicts with buffers. <u>Comment:</u>											
<u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
248	32051248-Cut	4.3	4110 - Sugar Maple Association	9	104	141- 170	Harvest	Thinning	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin to a basal area of 80sqft. Mark to improve quality. Do not cut hemlock and white cedar. Retain a few healthy wind firm white spruce, if <u>Specs:</u> available.											
<u>Next Step</u> <u>Treatments:</u>											
<u>Acceptable</u> <u>Regen:</u>											
<u>Other</u> Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u>											
<u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
249	32051249-Opening	8.2	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	3204 - Mast Producing Shrub	Previous Inventory	No
<u>Prescription</u> Maintain opening by mechanical means (e.g. brush cutting, mulching) or treated with adjacent stands' timber harvest. Intention is to maintain opening and allow planted apple tree and other mast-producing trees/shrubs opportunity to flourish. <u>Specs:</u> <u>Next Step</u> Openings Mgmt., Brush Mgmt. <u>Treatments:</u> <u>Acceptable</u> Natural grass/forbs and planted mast-producing trees and shrubs. <u>Regen:</u> <u>Other</u> Look at adding stand 249 treatment, G Stand, to timber sale if possible. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2026											
250	32051250-Cut	16.8	4130 - Aspen	5	32	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees with 1 or more pulpwood sticks. Do not cut cedar, hemlock, white pine and red pine. Create 2 to 4 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. Place retention in an area with a conifer componen <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, mixed hardwood, mixed conifer <u>Regen:</u> <u>Other</u> Look at adding stand 249 treatment, G Stand, to timber sale if possible. Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
251	32051251-Cut	24.0	4199 - Other Mixed Upland Deciduous	3	32	Immature	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees with 1 or more pulpwood sticks. Do not cut cedar, hemlock, white pine and red pine, unless designated for drumming log. Create 2 to 4 drumming logs, at least 8 feet long, from trees 9-15 inches in size, if available. Place retention in an ar <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen mixed hardwood, mixed conifer <u>Regen:</u> <u>Other</u> Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
273	32051273-Cut	6.4	4112 - Maple, Beech, Cherry Association	9	103	171- 200	Harvest	Clearcut	4112 - Maple, Beech, Cherry Association	Cutting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut hemlock, cedar, white pine, red pine, and yellow birch. Green tree 10 log sized maple, preferably sugar maple. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, aspen, hemlock, spruce, fir, pine, cedar, and cherry. <u>Regen:</u> <u>Other</u> Winter cut due to access. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
	274 32051274_Cut	23.3	4136 - Aspen, Mixed Conifer	6	30	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees with 1 or more pulpwood sticks. Do not cut cedar, hemlock, white pine and red pine. Create 2 to 4 drumming logs, at least 8 feet <u>Specs:</u> long, from trees optimally 9-15 inches in size, if available. Place retention in an area with a conifer compone <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, birch, balsam poplar, spruce, fir. <u>Regen:</u> <u>Other</u> <u>Comment:</u> Snowmobile trail spec will be needed for associated timber sale. <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
	275 32051275-Cut	6.4	330 - Low-Density Trees	99			Harvest	Clearcut	3301 - Low Density Deciduous Trees	Previous Inventory	No
<u>Prescription</u> Cut all trees with 1 or more pulpwood sticks. Do not cut cedar, hemlock, white pine and red pine <u>Specs:</u> <u>Next Step</u> NonForestMgt, Mowing <u>Treatments:</u> <u>Acceptable</u> aspen, maple, spruce, pine, BAM, fir, herbaceous plants <u>Regen:</u> <u>Other</u> Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
	279 32051279-Cut	28.2	4130 - Aspen	6	36	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut cedar, hemlock, white pine and red pine. Create 4 to 5 drumming logs, at least 8 feet <u>Specs:</u> long, from trees optimally 9-15 inches in size, if available. Place retention in an area with a conifer component a <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, mixed hardwood, mixed conifer <u>Regen:</u> <u>Other</u> Probably best to designate a tree(s) for drumming log creation, via marking, rather than specing it out. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
	327 32051283-Cut	5.5	4130 - Aspen	6	34	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut pine, cedar, spruce, fir and hemlock. Create 1 to 2 drumming logs, at least 8 feet long, <u>Specs:</u> from trees optimally 9-15 inches in size, if available. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, spruce, pine and fir. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
286	32051286-Cut	65.5	4110 - Sugar Maple Association	9	111	111-140	Harvest	Selection	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> sugar maple associates <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
291	32051291-Cut	5.0	4130 - Aspen	6	48	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees over 2" DBH except cedar, hemlock, yellow birch and pine, if found. Create 1 to 2 drumming logs, at least 8 feet long, from trees <u>Specs:</u> optimally 9-15 inches in size, if available. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, maple, birch, pine, cherry, spruce <u>Regen:</u> <u>Other</u> No retention due to size. Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
295	32051295-Cut	31.0	4136 - Aspen, Mixed Conifer	6	41	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut cherry, red pine, white pine and cedar. Use timber sale to create 3 slash piles between <u>Specs:</u> cedar stand to the north and trail to the south. Slash piles should be 12' to 18' in diameter and 3' to 6' in hei <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, spruce, fir, <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
298	32051298-Opening	3.9	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast <u>Specs:</u> producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., <u>Treatments:</u> Grass/Forb Planting <u>Acceptable</u> Cool season forbs (clover) <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
309	32051309-Cut	20.2	4199 - Other Mixed Upland Deciduous	6	42	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at dbh. Do not cut cherry, cedar, hemlock, red pine, and white pine. Create 3 to 4 drumming logs, at least 8 feet long, from trees optimally 9-15 inches in size, if available. Use retention to exclude a portion of the ar <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, cherry, birch, BAM, maple, spruce, fir, and pine <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
317	32051317-Cut	12.1	4191 - Mixed Upland Deciduous with Conifer	6	45	81-110	Harvest	Clearcut	4190 - Mixed Upland Deciduous with Cedar	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut cherry, red pine, white pine and cedar. <u>Specs:</u> <u>Next Step</u> Harvest, Clearcut with Retention <u>Treatments:</u> <u>Acceptable</u> maple, spruce, fir, aspen, pine, cherry <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
318	32051318- Opening	1.4	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast <u>Specs:</u> producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Cool season forbs (clover) <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025											
327	32051327-Cut	7.2	4130 - Aspen	6	34	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut pine, cedar, spruce, fir and hemlock. Create 1 to 2 drumming logs, at least 8 feet long, <u>Specs:</u> from trees optimally 9-15 inches in size, if available. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, maple, spruce, pine and fir. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
329	32051329-Cut	46.0	6122 - Black Spruce	6	78	81-110	Harvest	Clearcut	611 - Lowland Deciduous Forest	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches or greater at DBH. Do not cut cedar, white pine, hemlock. Treatment size may vary significantly with the possible <u>Specs:</u> exclusion of cedar pockets, potential BMP buffers, and exclusion of areas with low marketability. Leave long-term rete <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Black spruce, tamarack, cedar, pine, hemlock. <u>Regen:</u> <u>Other</u> winter cut <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
331	32051331.42_ Cut	19.6	4130 - Aspen	6	34	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees 2 inches and greater at DBH. Do not cut pine, cedar and hemlock. Create 3 to 4 drumming logs, at least 8 feet long, from trees <u>Specs:</u> optimally 9-15 inches in size, if available. Red line out areas heavier to spruce/fir around south side of opening <u>Next Step</u> NonForestMgt, Other - Specify; NonForestMgt, Other - Specify; NonForestMgt, Other - Specify; NonForestMgt, Other - Specify; <u>Treatments:</u> NonForestMgt, Other - Specify; NonForestMgt, Other - Specify; NonForestMgt, Other - Specify; NonForestMgt, Other - Sp <u>Acceptable</u> Aspen, birch, balsam poplar, fir, spruce. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
332	32051332- Opening	5.0	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast <u>Specs:</u> producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Cool season forbs (clover) <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025											
338	32051338- Opening	1.2	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast <u>Specs:</u> producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Cool season forbs (clover) <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
339	32051339-Cut	16.2	4110 - Sugar Maple Association	9	120	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> maple, birch, basswood, cherry <u>Regen:</u> <u>Other</u> Snowmobile trail spec will be needed for associated timber sale. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
340	32051340-Cut	11.4	4110 - Sugar Maple Association	9	106	111- 140	Harvest	Selection	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin stand to a basal area of 80sqft. Concentrate on improving quality. Expand or create canopy gaps in areas found to have existing <u>Specs:</u> advance regeneration, if present. Gaps are not to exceed 10 percent of area. Do not cut basswood. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, cherry, basswood, hemlock <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
340	32051340- Cutx	11.1	4110 - Sugar Maple Association	9	106	111- 140	Harvest	Selection	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin stand to a basal area of 80sqft. Concentrate on improving quality. Expand or create canopy gaps in areas found to have existing <u>Specs:</u> advance regeneration, if present. Gaps are not to exceed 10 percent of area. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, cherry, basswood, hemlock <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
341	32051341- Opening	1.2	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast <u>Specs:</u> producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Cool season forbs (clover) <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
345	32051345-Cut	110.8	4110 - Sugar Maple Association	9	121	81-110	Harvest	Selection	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, cedar, hemlock, basswood, cherry <u>Regen:</u> <u>Other</u> This stand has been notd by past foresters as being best suited for a winter harvest. Consider winter cut. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
351	32051351-Opening	1.7	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast <u>Specs:</u> producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Cool season forbs (clover) <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025											
3	32051352-Cut	37.1	4110 - Sugar Maple Association	9	120	111-140	Harvest	Selection	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin to basal area of 80sqft. Mark to improve quality. Open up regeneration gaps 50 to 85 feet in radius to the bole of trees on the gap edge. <u>Specs:</u> 10% of the treatment area is to be composed of regeneration gaps, if advance regeneration levels permit. Gaps ar <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, cherry, basswood <u>Regen:</u> <u>Other</u> This was marked but never cut. Use different color when marking this area, e.g., purple. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
352	32051352-Opening	2.2	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast <u>Specs:</u> producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Cool season forbs (clover) <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
361	32051361-Opening	2.8	330 - Low-Density Trees	99			Openings Mgmt.	Openings Mgmt.	3204 - Mast Producing Shrub	Previous Inventory	No
<u>Prescription</u> Maintain opening by mechanical means (e.g. brush cutting, mulching) or treated with adjacent stands' timber harvest. Intention is to maintain opening and allow planted apple tree and other mast-producing trees/shrubs opportunity to flourish. <u>Specs:</u> <u>Next Step</u> Openings Mgmt., Brush Mgmt. <u>Treatments:</u> <u>Acceptable</u> Natural grass/forbs and planted mast-producing trees and shrubs. <u>Regen:</u> <u>Other</u> Look at adding stand 361 treatment, G Stand, to timber sale if possible. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2026											
362	32051362-Cut	6.8	4110 - Sugar Maple Association	9	106	111- 140	Harvest	Selection	4110 - Sugar Maple Association	Current	No
<u>Prescription</u> Thin stand to a basal area of 80sqft. Concentrate on improving quality. Expand or create canopy gaps in areas found to have existing <u>Specs:</u> advance regeneration, if present. Gaps are not to exceed 10 percent of area. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, cherry, hemlock, basswood <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											
378	32051378-Opening	0.9	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
<u>Prescription</u> Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast <u>Specs:</u> producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Cool season forbs (clover) <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 05/01/2025											
274	32051382-Cut	16.8	4136 - Aspen, Mixed Conifer	6	30	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Cut all trees with 1 or more pulpwood sticks. Do not cut cedar, hemlock, white pine and red pine. Create 2 to 4 drumming logs, at least 8 <u>Specs:</u> feet long, from trees optimally 9-15 inches in size, if available. Place retention in an area with a conifer compon <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, birch, balsam poplar, spruce, fir. <u>Regen:</u> <u>Other</u> <u>Comment:</u> Snowmobile trail spec will be needed for associated timber sale. <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2031											



Standard

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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401	32051401-Opening	3.7	330 - Low-Density Trees	99		Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
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Prescription Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess

Next Step Openings Mgmt., Grass/Forb Planting
Treatments:

Acceptable Cool season forbs (clover)

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 05/01/2028

407	32051407-Opening	1.5	310 - Herbaceous Openland	99		Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
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Prescription Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess

Next Step Openings Mgmt., Grass/Forb Planting
Treatments:

Acceptable Cool season forbs (clover)

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 05/01/2030

410	32051410-Opening	8.3	3102 - Grass	99		Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
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Prescription Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess

Next Step Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting
Treatments:

Acceptable Cool season forbs (clover)

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 05/01/2025

413	32051413-Opening	1.5	3102 - Grass	99		Openings Mgmt.	Openings Mgmt.	2113 - Forage Crops	Previous Inventory	No
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Prescription Herbicide, cultivate, fertilize, and/or mow to maintain planted cover crops as necessary. Plant and trim, shelter, fertilize, and/or maintain mast producing trees/shrubs. Monitor health and survival of cultivated forbs and planted trees/shrubs; and assess

Next Step Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting
Treatments:

Acceptable Cool season forbs (clover)

Regen:

Other

Comment:

Site Condition: Other Influence Zones

Proposed Start Date: 05/01/2025



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Approved Treatments:

6	32051006-Cut	11.4	4134 - Aspen, Spruce/Fir	8	108	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Drumming log retention, and conifer component retention. Due to small stand size and lowland

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Balsam poplar, birch, aspen.

Regen:

Other Portions of this stand are wet with multiple seeps and mucky soils. This ground will be more operable with a deep freeze of the muck layer. Harvest now to capture mortality of aspen, birch, SBW, and prevent conversion to northern hardwood. GEM Stand Cu

Site Condition:

Proposed Start Date: 10/01/2021

21	32051021-Monitor	14.8	4110 - Sugar Maple Association	9	108	81-110	Monitoring	Monitoring - Regeneration	411 - Northern Hardwood	Current	No
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Prescription Within 5 years, monitor for adequate stocking of advanced regeneration.

Specs:

Next Step

Treatments:

Acceptable Sugar maple, red maple, yellow birch, basswood, long-lived conifers (hemlock, white pine)

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 10/01/2025

43	32051043-Monitor	5.3	4119 - Mixed Northern Hardwoods	9	106	81-110	Monitoring	Monitoring - Regeneration	4319 - Mixed Upland Forest	Current	No
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Prescription

Specs:

Next Step

Treatments:

Acceptable Northern hardwoods, hemlock, component of S/F

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 10/01/2028



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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47	32051047-Monitor	4.3	4115 - Y.Birch, Hemlock NH	7	110	1-50	Monitoring	Monitoring - Regeneration	4190 - Mixed Upland Deciduous with Cedar	Planting Record	No
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Prescription Starting 2 years from harvest, conduct annual or biennial regeneration surveys for 10 years.

Specs:

Next Step

Treatments:

Acceptable Yellow birch, paper birch, white cedar, white pine, red oak, cherry, black ash.

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

50	32051050-Cut	23.9	6117 - Lowland Deciduous, Mixed Coniferous	6	108	81-110	Harvest	Clearcut	6112 - Lowland Aspen	Planting Record	No
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Prescription This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Drumming log retention, and conifer component retention.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Balsam poplar, birch, aspen. Lowland conifers for wildlife cover.

Regen:

Other This stand is wet: a low swale runs through the middle, and there are seeps and mucky soils. Swale through middle of stand may be excluded if too wet. This ground will be more operable with a deep freeze of the muck layer. GEM Stand Cut in 2017 because

Site Condition:

Proposed Start Date: 10/01/2021

66	32051066-Monitor	4.8	4113 - R.Maple, Conifer	6	50	81-110	Monitoring	Monitoring - Regeneration	6120 - Lowland Cedar	Cutting Record	No
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Prescription

Specs:

Next Step

Treatments:

Acceptable Spruce, maple, aspen, birch, fir.

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 10/01/2028



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
68	32051068-Cut	22.0	4130 - Aspen	6	37	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut stand using two-inch spec. Leave one log per 2 acres for drumming logs. Leave under represented species such as cedar, white pine, and hemlock. Favor oak, yellow birch, elm and cherry during sale prep. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, spruce, fir and mixed hardwood <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
76	32051076-Cut	85.9	4134 - Aspen, Spruce/Fir	9	108	111- 140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Mature to overmature aspen, initial stages SBW. Harvest soon. This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Drumming log retention, and co <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> Aspen, conifer patches for wildlife cover <u>Regen:</u> <u>Other</u> Post-harvest work: Access road from northeast portion of stand across cedar, to central portion of stand should be graded and converted to <u>Comment:</u> hunter walking trail. GEM Stand Cut in 2017 because of current forest conditions this stand will be changed to a 20 <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2021											
77	32051077-Cut	20.0	4134 - Aspen, Spruce/Fir	6	52	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management <u>Specs:</u> practices (and specs in proposal): Drumming log retention, and conifer component retention. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, mixed hardwood, mixed conifer <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2021											
95	32051095.21_ Cut	41.2	4130 - Aspen	6	48	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut stand using two-inch spec. Leave one log per 2 acres for drumming logs. Leave under represented species such as cedar, white pine, and hemlock. Favor oak, yellow birch, elm and cherry during sale prep. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Mixed Hardwood and Conifer. <u>Regen:</u> <u>Other</u> WLD - Agree with Treatment, GEM Harvest in 2021 (American woodcock ruffed grouse and white - tailed deer) (State Game Fund) <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2021											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
95	32051095.5_C ut	31.1	4130 - Aspen	6	48	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut stand using two-inch spec. Leave one log per 2 acres for drumming logs. Leave under represented species such as cedar, white pine, and hemlock. Favor oak, yellow birch, elm and cherry during sale prep. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> Aspen, Mixed Hardwood and Conifer. <u>Regen:</u> <u>Other</u> WLD- Agree with Treatment, GEM Harvest in 2026 (American woodcock ruffed grouse and white - tailed deer) (State Game Fund) <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
98	32051098-Cut	18.4	4130 - Aspen	6	40	111- 140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut stand using two-inch spec. Leave one log per 2 acres for drumming logs. Leave under represented species such as cedar, white pine, and hemlock. Favor oak, yellow birch, elm and cherry during sale prep. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, spruce, fir, mixed hardwood <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
98	32051098- Cutx	13.9	4130 - Aspen	6	40	111- 140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Drumming log retention, and conifer component retention. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, mixed conifer, mixed hardwood <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2021											
98	32051098- Cutxx	24.5	4130 - Aspen	6	40	111- 140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Drumming log retention, and conifer component retention. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, mixed conifer, mixed hardwood <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2021											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
98	32051098-Cutxxx	0.4	4130 - Aspen	6	40	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Drumming log retention, and conifer component retention. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> aspen, mixed conifer, mixed hardwood <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2017											
103	32051098-Monitor	28.7	4110 - Sugar Maple Association	9	120	81-110	Monitoring	Monitoring - Regeneration	411 - Northern Hardwood	Current	No
<u>Prescription</u> MWR project. <u>Specs:</u> MSU crew will monitor site per study specs. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> A diverse mix of northern hardwood species. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
113	32051113-Cut	17.1	4130 - Aspen	6	43	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Drumming log retention, and conifer component retention. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Mixed Hardwood, Mixed conifer <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2021											
147	32051147-Cut	9.8	4110 - Sugar Maple Association	9	106	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin stand down to 70-90 BA leaving all cedar, hemlock, and pine. Favor leaving cherry and yellow birch for leave species if healthy while marking. Treatment added September 2022. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> maple, birch, basswood and cherry. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2016											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
148	32051148.46_ Cut	17.7	4191 - Mixed Upland Deciduous with Conifer	5	106	51-80	Harvest	Thinning	4199 - Other Mixed Upland Deciduous	Cutting Record	No
<u>Prescription</u> Remove all species except maple, yellow birch, and cedar. Some maple may need to be marked for operations. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Aspen, maple, spruce, fir, birch. <u>Regen:</u> <u>Other</u> SBW Salvage. Stand is within the GEM and harvesting should be paired with adjacent sales within the GEM. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2021											
153	32051153.34_ Cut	27.0	4319 - Mixed Upland Forest	6	67	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Planting Record	No
<u>Prescription</u> Harvest all aspen, balsam fir, paper birch, and spruce. Budworm present in adjacent stand. <u>Specs:</u> <u>Next Step</u> NonForestMgt, Other - Specify; Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, spruce, fir, pine, cherry. <u>Regen:</u> <u>Other</u> This stand is within the GEMS and its management plan. Retain some conifer patches (<4" DBH) for wildlife cover. WLD - Favor black <u>Comment:</u> cherry (5%) (black bear) and healthy spruce if available (wildlife cover) (State Game Fund) <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2021											
159	32051159.3_ Cut	19.8	4139 - Aspen, Mixed Deciduous	3	8	Immature	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut stand using two-inch spec. Leave one log per 2 acres for drumming logs. Leave under represented species such as cedar, white <u>Specs:</u> pine, and hemlock. Favor oak, yellow birch, elm and cherry during sale prep. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Mixed Hardwood and Conifer. <u>Regen:</u> <u>Other</u> WLD - Agree with Treatment, GEM Harvest in 2026 (American woodcock ruffed grouse and white - tailed deer) (State Game Fund) <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
170	32051170-Cut	9.1	4134 - Aspen, Spruce/Fir	9	65	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Clearcut stand using two-inch spec. Leave one log per 2 acres for drumming logs. Leave under represented species such as cedar, white <u>Specs:</u> pine, and hemlock. Favor oak, yellow birch, elm and cherry during sale prep. <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> Aspen, mixed hardwood, mixed conifer. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2016											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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194	32051194.7_C ut	19.8	4130 - Aspen	6	33	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Clearcut stand using two-inch spec. Leave one log per 2 acres for drumming logs. Leave under represented species such as cedar, white pine, and hemlock. Favor oak, yellow birch, elm and cherry during sale prep.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, Mixed Hardwood and Conifer.

Regen:

Other WLD - Agree with Treatment, GEM Harvest in 2026 (American woodcock ruffed grouse and white - tailed deer) (State Game Fund)

Comment:

Site Condition:

Proposed Start Date: 10/01/2031

212	32051212-Cut	15.2	413 - Aspen	6	51	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Drumming log retention, and conifer component retention.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, Mixed Hardwood, Mixed Conifer

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2021

217	32051217.15_ Cut	11.5	4319 - Mixed Upland Forest	6	63	111- 140	Harvest	Clearcut	4319 - Mixed Upland Forest	Planting Record	No
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Prescription Over-mature aspen over spruce fir poles. Harvest to continue aspen.

Specs:

This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management practices (and specs in proposal): Winter sale only, drum

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, balsam poplar, birch, spruce, red maple, fir.

Regen:

Other Stand has wet spots; mark red line for optimal operability.

Comment:

Site Condition:

Proposed Start Date: 10/01/2018



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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218	32051218.44_ Cut	9.4	6129 - Mixed Coniferous Lowland Forest	5	126	141- 170	Harvest	Selection	612 - Lowland Coniferous Forest	Cutting Record	No
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Prescription Harvest all species (aspen, birch, balsam poplar, tamarack, spruce) but retain cedar. Good pockets of tamarack. Select cedar may be taken for operability, but aim to maintain cedar patches.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Tamarack, birch, balsam poplar, spruce, cedar.

Regen:

Other Very variable stand. Transitional lowland and harvestable ground. Patches of very open canopy from over-mature paper birch and aspen mortality alternates with cedar and tamarack patches. North side birch already falling out of stand. Southeast is black

Site Condition:

Proposed Start Date: 10/01/2018

221	32051221.4_C ut	19.3	4191 - Mixed Upland Deciduous with Conifer	8	64	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Clearcut to regenerate stand: Over-mature aspen, paper birch, balsam fir falling out of stand. Retain hemlock and any cedar. Exclude any inoperable wet areas from the sale.

This stand is part of the South Marquette County Grouse Enhanced Management Si

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, birch, balsam poplar, hemlock, spruce, fir.

Regen:

Other Pretty wet on east side, drain from open wetland. Patches dominated by balsam fir poles.

Comment:

Monitored for SBW/Forest health: Spruce/fir component is only 10 sq. ft. Stand will be monitored and harvested as per GEM plan.

WLD- Favor retaining some health

Site Condition:

Proposed Start Date: 10/01/2018

223	32051223.39_ Cut	26.0	4191 - Mixed Upland Deciduous with Conifer	8	64	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription Clearcut to regenerate stand: Over-mature aspen, paper birch, balsam fir falling out of stand. Retain hemlock and any cedar. Exclude any inoperable wet areas from the sale.

This stand is part of the South Marquette County Grouse Enhanced Management Si

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, birch, balsam poplar, hemlock, spruce, fir.

Regen:

Other Pretty wet on east side, drain from open wetland. Patches dominated by balsam fir poles.

Comment:

Monitored for SBW/Forest health: Spruce/fir component is only 10 sq. ft. Stand will be monitored and harvested as per GEM plan.

WLD- Favor retaining some health

Site Condition:

Proposed Start Date: 10/01/2021



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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239	32051239.38_ Cut	3.4	4112 - Maple, Beech, Cherry Association	9	187	111- 140	Harvest	Seed Tree	411 - Northern Hardwood	Planting Record	No
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Prescription Leave large, wind-firm sugar maple as seed trees. Patches of good advanced regeneration exist, release these. In practice will be seed
Specs: tree/shelterwood with advanced regeneration present. Leave yellow birch where it can function as seed trees. Leave h

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Yellow birch, hemlock, basswood, red maple, sugar maple, paper birch.

Regen:

Other Low quality overstory. Cut stems that won't be adequate seed trees to allow for release of advanced regeneration and good seed crops that
Comment: these 24" dbh and larger sugar maple have been producing in the stand.

In addition: Agree with Treatment, (northe

Site Condition:

Proposed Start Date: 10/01/2018

244	32051244.19_ Cut	35.4	4134 - Aspen, Spruce/Fir	6	64	111- 140	Harvest	Clearcut	413 - Aspen	Planting Record	No
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Prescription This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management
Specs: practices (and specs in proposal): Winter sale only, drumming log retention, and conifer component retention.

Next Step NonForestMgt, Fruit Tree/Shrub Planting; Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, birch, spruce, fir.

Regen:

Other South Perrin Bros snowmobile trail goes through stand; per trail specialist no weekend harvest activities along trail.WLD- Agree with
Comment: Treatment, GEM Harvest in 2021 (American woodcock ruffed grouse and white - tailed deer) (State Game Fund)

Site Condition:

Proposed Start Date: 10/01/2021

245	32051245- Monitor	20.4	4134 - Aspen, Spruce/Fir	0	5	1-50	Monitoring	Monitoring - Regeneration	413 - Aspen		No
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Prescription

Specs:

Next Step

Treatments:

Acceptable Aspen, birch, spruce, fir.

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 01/30/2027



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
255	32051255.11_ Cut	8.0	4110 - Sugar Maple Association	6	64	81-110	Harvest	Thinning	411 - Northern Hardwood	Current	No
<u>Prescription</u> Thin for timber stand improvement: Thin hardwood poles to increase quality. Cut aspen to regenerate and capture mortality. Retain some <u>Specs:</u> large over-mature aspen for wildlife. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> In addition: Agree with Treatment, (American woodcock ruffed grouse and white - tailed deer) (State Game Fund) <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2018											
257	32051257- Monitor	65.7	4130 - Aspen	0	3	Immature	Monitoring	Monitoring - Regeneration	413 - Aspen		No
<u>Prescription</u> <u>Specs:</u> <u>Next Step</u> Openings Mgmt., Grass/Forb Planting; Openings Mgmt., Grass/Forb Planting <u>Treatments:</u> <u>Acceptable</u> Aspen, birch, spruce, fir. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 01/05/2027											
258	32051258.6_C ut	24.9	4130 - Aspen	6	64	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management <u>Specs:</u> practices (and specs in proposal): Winter sale only, drumming log retention, and conifer component retention. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, birch, spruce, fir. <u>Regen:</u> <u>Other</u> Snowmobile trail goes through stand, trails wants no weekend harvest activities along trail.WLD - Agree with Treatment, GEM Harvest in <u>Comment:</u> 2022 (American woodcock ruffed grouse and white - tailed deer) (State Game Fund) <u>Site Condition:</u> <u>Proposed Start Date:</u> 01/24/2022											
263	32051263.30_ Cut	42.0	4134 - Aspen, Spruce/Fir	6	54	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> This stand is part of the South Marquette County Grouse Enhanced Management Site (SMC GEMS). Include the following management <u>Specs:</u> practices (and specs in proposal): Winter sale only, drumming log retention, and conifer component retention. <u>Next Step</u> NonForestMgt, Mowing; Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, birch, balsam poplar, spruce, fir. <u>Regen:</u> <u>Other</u> Hunter walking trail maintenance in next step treatments. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2021											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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208	32051271.7_C ut	4.3	6120 - Lowland Cedar	6	133	141- 170	Harvest	Clearcut	429 - Mixed Upland Conifers	Cutting Record	No
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Prescription This stand is mostly upland and transitional to lowland, use topography for redline and stay out of wet ground. Retain cedar. Tamarack in south along trail is harvestable. Can harvest tamarack, red maple, fir, spruce.

If feasible, push harvest

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Cedar, tamarack, spruce, hemlock, balsam poplar, red maple, birch.

Regen:

Other In addition: Agree with Treatment, (white-tailed deer) (State Game Fund)

Comment:

Harvest in the non-winter months if feasible; on snowmobile trail. No weekend hauling on snowmobile trail.

Site Condition:

Proposed Start Date: 10/01/2018

278	32051278.4_C ut	31.5	4110 - Sugar Maple Association	9	187	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
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Prescription Mark to residual ba of 70 following Compleat Marker guidelines. Retain most of the yellow birch and make 80' gaps around the yellow birch to try and promote regeneration. Retain hemlock.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable red maple, sugar maple, yellow birch.

Regen:

Other If feasible, harvest in non-winter months to access by the snowmobile trail. Winter months: no weekend hauling on the snowmobile trail.

Comment:

In addition: Retain all Northern White Cedar (1%) Hemlock (1%) and White Spruce (1%) (white - tailed deer) (State

Site Condition:

Proposed Start Date: 10/01/2018

282	32051282.10_ Cut	43.8	4110 - Sugar Maple Association	9	187	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
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Prescription Single tree selection to target residual basal area of 80 sq ft/ac. Mark to increase quality. Release advanced regeneration where feasible with small gaps. Retain hemlock and cedar, and favor minor species. Minor species can be marked with sugar maple

Next Step Other, Other - Specify; Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Sugar maple, basswood, red maple, hemlock, yellow birch, paper birch, white spruce, cedar.

Regen:

Other Decent quality northern hardwood stand. Harvested 7 years ago, but has high BA: 90, 140, 150, 100. Paper birch falling out of stand. Have to mark some minor species for maneuverability and to reach target residual BA.

Comment:

In addition: Agree with Treatm

Site Condition:

Proposed Start Date: 10/01/2018



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
294	32051294-Cut	12.6	4211 - Planted Red Pine	6	43	111-140	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Conduct initial third row thinning of plantation. If rows are too tight to accommodate modern logging equipment, may need to take two rows, and leave three thinning method. Basal area stocking averages 230 sq. ft. of red pine. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Not applicable. <u>Regen:</u> <u>Other</u> Out of entry year treatment. This proposal will go through compartment review as associated with stands 12 and 14, Cmpt 45. Stand has not been entered yet. Stand within GEMS, gate. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2018											
296	32051296-Cut	9.8	42110 - Planted Red Pine	6	43	201+	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Conduct initial third row thinning of plantation. If rows are too tight to accommodate modern logging equipment, may need to take two rows, and leave three thinning method. Basal area stocking averages 230 sq. ft. of red pine. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Not applicable. <u>Regen:</u> <u>Other</u> Out of entry year treatment - will go through compartment review associated with stands 12 and 14, Cmpt 45. Stand has not been entered yet. Stand within GEMS, gate. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2018											
160	32051339-Monitor	29.8	4110 - Sugar Maple Association	9	120	111-140	Monitoring	Monitoring - Regeneration	411 - Northern Hardwood	Current	No
<u>Prescription</u> MWR project. <u>Specs:</u> MSU crew will monitor site per study specs. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> A diverse mix of northern hardwood species. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2019											
294	RP Thinning	3.3	4211 - Planted Red Pine	6	43	111-140	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Conduct initial third row thinning of plantation. If rows are too tight to accommodate modern logging equipment, may need to take two rows, and leave three thinning method. Basal area stocking averages 230 sq. ft. of red pine. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Not applicable. <u>Regen:</u> <u>Other</u> Out of entry year treatment. This proposal will go through compartment review as associated with stands 12 and 14, Cmpt 45. Stand has not been entered yet. Stand within GEMS, gate. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 04/24/2019											

S
t
a
n
dTreatment
Name

Acres

Stand
CoverTypeSize
DensityStand
AgeBA
RangeTreatment
TypeTreatment
MethodCover Type
ObjectiveAge
StructureHabitat
Cut

Total Treatment
Acreage Proposed: 2406.1



Availability for Management

Total Acres	Acres Available	Acres With Condition	Acres Not Available
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Dominant Site Conditions

					4A	5C	2G	2H	3A	3G	3J	3L	5D	5E
2088	2009	0	78	Aspen				13		5	28			32
12	12	0	0	Bog										
1814	1333	0	481	Cedar			440				41			
8	8	0	0	Hemlock										
123	122	0	2	Herbaceous Openland						2				
70	67	0	3	Low-Density Trees							3			
66	38	0	28	Lowland Aspen/Balsam Poplar			28							
534	10	0	524	Lowland Conifers			415				90	20		
26	15	0	11	Lowland Deciduous			6				5			
72	34	7	31	Lowland Mixed Forest	7						23			8
314	314	0	0	Lowland Shrub										
725	90	46	590	Lowland Spruce/Fir		46	79		379		109		23	
85	85	0	0	Marsh										
306	240	27	40	Mixed Upland Deciduous		27		15	3		13			9
54	0	0	54	Natural Mixed Pines					45		9			
1294	1211	43	41	Northern Hardwood		43		32		8				1
20	20	0	0	Paper Birch										
39	39	0	0	Red Pine										
209	49	0	161	Tamarack			69					92		
71	71	0	0	Treed Bog										
57	16	0	41	Upland Conifers							41			
6	4	0	2	Upland Mixed Forest										2
22	22	0	0	Upland Spruce/Fir										
20	20	0	0	Urban										
46	46	0	0	Water										
34	34	0	0	White Pine										
8,114	5,907	122	2,084	Total Forested Acres	7	115	1,036	60	427	14	360	111	23	53
	73%	2%	26%	Relative Percent										

*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.

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Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Look at thinning this stand to 60sqft next YOE with stand 92.							
2	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	78	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stream and river buffer/riparian corridor							
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Would have to go through MWR stand to access this. This can hold tell access is permitted through MWR							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: stream							
6	Unavailable	5D: Unproductive forest land	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Very wet & mostly small timber.							

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7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Wet Swale							
8	Unavailable	3A: Conservation values incompatible with harvest at this time	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments: ERA Dry-mesic northern forest. Landon Lake Pines.							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	74	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Area of softer ground. Long term retention from original stand created 2019.							
11	Unavailable	3A: Conservation values incompatible with harvest at this time	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments: ERA Dry-mesic northern forest. Landon Lake Pines.							
12	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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13	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention from original stand created in 2019.							
14	Unavailable	3A: Conservation values incompatible with harvest at this time	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This falls outside ERA but is part of stand 45 and can be a buffer to the ERA.							
15	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for stand 87 cut in 2021.							
16	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	161	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand is surrounded by ERA.							
18	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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19	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	9	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Long term retention and bmp exclusion of surrounding parent aspen stand cut in c.2023							
20	Unavailable	3A: Conservation values incompatible with harvest at this time	384	Unspecified	Unspecified	Unspecified	Unspecified
Comments: ERA Landon Lake Poor Conifer swamp							
21	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Patches of Gem Timber sale PU1 retention (Stand 217)							
22	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This area looks to possibly, inventory done in winter, have some sensitive vernal and low areas excluded from harvest.							
24	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for Flushing Frog GEMS timber sale (32-009-22)							
25	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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26	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 2022: Long term retention 3-10 percent for stand 76							
28	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention for stand 153.							
32	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 2022: Long term retention for stand 77.							
33	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 2022: Long term retention for harvest of stand 258.							

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34	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 2022: Vernal pool retention							
35	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for stand 82 cut in 2020.							
37	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long-term retention for Stand 37 cut in 2020.							
39	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	41	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
40	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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41	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
42	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Pointers Paradise timber sale retention							
43	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	46	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
44	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
45	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
46	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for adjacent cut in stand 183 harvested in 2020							
47	Unavailable	5D: Unproductive forest land	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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48	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for stand 221 Patches of GEMS							
49	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: stream							
50	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: stream							
51	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for stand 19 cut in 2020.							
52	Unavailable	5E: Long-Term Retention	3	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
53	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for stand 87 cut in 2021							
54	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Leave for now as its large birch component provides diversity within the compartment.							

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55	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
56	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for Perrin Brothers North GEMS SBW • 32-014-16							
57	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
58	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention for stand 82 cut in 2020, directly northwest.							
59	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
60	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention and buffer for Happy Spaniel GEMS timber sale.							
61	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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62	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
63	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
64	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
65	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
66	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	50	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This stand contains a stream that flows into Landon Lake. The North side also acts as a buffer to the poor conifer swamp ERA to the south.							
67	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This stand is difficult to access, given Landon Lake, stream, river and lowland stands. I don't see this being financially feasible to treat.							
68	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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69	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is a buffer to a SCA and can serve as retention too.							
70	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This could be treated when the aspen stands to the south are harvested.							
71	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
72	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
73	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	68	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
74	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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75	Unavailable	5E: Long-Term Retention	7	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: This stand serves as a BMP buffer and retention. Retention for stand 114 harvested by Roy Nelson III under contract # 007-10-01.							
76	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
77	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
78	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	79	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
79	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
80	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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81	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
82	Unavailable	3A: Conservation values incompatible with harvest at this time	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This falls outside ERA but is part of stand 45 and can be a buffer to the ERA.							
83	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
84	Unavailable	3A: Conservation values incompatible with harvest at this time	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This falls outside ERA but is part of stand 45 and can be a buffer to the ERA.							
85	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
86	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit
Jacob Siler : Examiner

Compartment: 51
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87	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
88	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
89	Unavailable	3L: Other wildlife concerns	92	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Lots of cedar mixed in. Can't cut without damaging or cutting a significant amount of cedar.							
90	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	59	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Stream runs through stand.							
91	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
92	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	53	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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93	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	16	3A: Conservation values incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments:							
94	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	46	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This could possibly get cut. The ground does seem quite wet but could be possible with a deep freeze. This should be held tell surrounding, recently cut, timber has grown a bit, 10 years. Also, Swamp on south side of road will be cut this YOE.							
95	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 300' buffer							
96	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
97	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	94	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
98	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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99	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
100	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
101	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
102	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	107	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
103	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	175	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
104	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Compartment: 51
Year of Entry: 2027



105	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 							
106	Unavailable	3K: Rare or unique landforms	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This site condition covers all areas not associated with SCA but are part of the same stand and cover type and should be protected.							
107	Unavailable	3A: Conservation values incompatible with harvest at this time	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This site condition covers all areas not associated with the SCA but are part of the same stand and have the same cover type. Should be protected.							
108	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	65	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
Comments: This is wet and has lots of cedar mixed in or under other species. Would have to remove lots of cedar to harvest other species.							
109	Unavailable	3L: Other wildlife concerns	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Low ground with a good mix of cedar. Would be hard to operate without cutting a decent amount of cedar.							
110	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	4	3G: Other influence zones - See comments	Unspecified	Unspecified	Unspecified
Comments: Stream and river buffer/riparian corridor and see Conservation Area Reviewer Application							

Report 4 – Site Conditions

Gwinn Mgt. Unit
Jacob Siler : Examiner

Compartment: 51
Year of Entry: 2027



111	Unavailable	3G: Other influence zones - See comments	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: See Conservation Area Review Application and Pre-Inventory Docs on Gwinn S-Drive.							
112	Unavailable	3G: Other influence zones - See comments	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: See Conservation Area Review Application							
113	Unavailable	3G: Other influence zones - See comments	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: See Conservation Area Review Application and Pre-Inventory Docs on Gwinn S-Drive.							
114	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
115	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
116	Available	4A: No markets available for these forest products	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Overmature aspen busting up on a wet site. Decent amount of cedar and other lowland species within stand. The time to cut this was with the adjacent stands that are now cut. Not much to gain from entering this stand. Best to leave as is.							

Report 4 – Site Conditions



117	Unavailable	3L: Other wildlife concerns	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Small spruce fir area to be excluded from treatment							
118	Unavailable	3G: Other influence zones - See comments	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Check Conservation Area Reviewer Application. See pre-inventory notes on Gwinn S-Drive.							

Mgt. Unit

Compartment: #Type!

Year of Entry:

Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
6	4134 - Aspen, Spruce/Fir	Sawtimber Medium	11.7	108	51-80	N/A	OPIC - FMD: A wet stand of white birch, tamarack, aspen and fir over tag alder, willow, and soft maple whips.5/25/16 Field Notes: Overmature aspen and paper birch falling out of stand. SBW initial stages. Portions of low ground/seeps. Good sugar maple sapling/sdlg regeneration.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	10	Pole/Sapling	6		Black Cherry	Low		5 - 10 feet	5 - 10 feet
Paper Birch	15	Log/Pole	10		Balsam Fir	Medium		10 - 20 feet	10 - 20 feet
Quaking Aspen	50	Log/Pole	12	108	Sugar Maple	Medium		Variable	Variable
Balsam Fir	15	Log/Pole	10		Tag Alder	Low		5 - 10 feet	5 - 10 feet
White Spruce	5	Log/Pole	11						
Northern White Cedar	5	Pole/Sapling	6						
7	4130 - Aspen	Sapling Well	15.9	5	Immature	N/A	Most sugar maple saplings limited to edge of stand. (2025)Stand was harvested in 2020.OPIC - FMD: This is a narrow 2-3 chain wide stand of aspen, spruce/fir and mixed hardwoods. Regeneration is mostly hard maple, with a significant portion of it quite advanced with 1-2" diameters and 10'-20' in height. The aspen is very large but most of it is down due to windthrow.5/26/16 Field notes: Abundant sugar maple regeneration under poor quality, wolfy maple trees. Overmature aspen, birch, and white spruce. Low, wetter patches (seeps).		
Canopy Species	% Cover	Size Class	DBH	Age					
Sugar Maple	1	Sapling	1						
Quaking Aspen	89	Sapling	2	5					
Balsam Poplar	10	Sapling	2						
8	4130 - Aspen	Poletimber Well	30.7	37	81-110	N/A	2015 - W32698 - installed gate, limed, mowed. It was decided only to plant a portion of the trail to clover.2014 - W32698 - planted 25 red baron apple trees, 25 nannyberry, 25 highbush cranberry,4 mountain ash, and 7 seedling apple trees. Hunter walking trail was herbicided and disked. OPIC - FMD: Cut under permit # 23-88-1. Aspen is 1-3" dbh, 15-20' tall. 2015-Contains narrow drainage.5/26/16 Field notes: Aspen coming into pole class. Moderate-good stocking. Roads coming into this stand from northern hardwood stand to southeast are soft and wet. Have some gravel, need more. Roads in rough shape due to seeps, shallow bedrock. Winter ground.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Paper Birch	2	Pole	7		Balsam Fir	Low		Variable	Variable
Quaking Aspen	87	Pole	9	37	Sugar Maple	Medium		Variable	Variable
Balsam Poplar	10	Pole	8		Ironwood	Low		Variable	Variable
Balsam Fir	1	Pole	8						
9	4110 - Sugar Maple Association	Sawtimber Well	114.2	121	111-140	N/A	Trace amount of white ash logs and some older XL log maple.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Sugar Maple	67	Log/Pole	12	121	Balsam Fir	Low	Variable	Variable	
Red Maple	5	Log/Pole	12		Yellow Birch	Trace	>20 feet	>20 feet	
Yellow Birch	2	Log/Pole	15		Sugar Maple	High	Variable	Variable	
Basswood	15	Log/Pole	15		Sugar Maple	Medium	>20 feet	>20 feet	
Paper Birch	2	Log/Pole	11		Sugar Maple	Medium	< 5 feet	< 5 feet	
Quaking Aspen	2	Log/Pole	12		White Spruce	Low	Variable	Variable	
White Spruce	2	Log/Pole	12						
Northern White Cedar	5	Log/Pole	11						
								OPIC - FMD: Notes from north portion of stand: cut under permit #9-98-01 in 2001 ORO logging. Excellent elderberry regeneration on the eastern slopes. OPIC - FMD: Cut under permit # 017-97-01 "South Landon Lake" in Jan, Feb, 2002 also part in permit #9-98-01 see comp # 51. Also east of road cut in 1989 ("Landon Lake Balm" #018-88-2), a lot of aspen and balsam poplar removed. One area of about 2 acres unthinned will have to wait until feasible, probably when total stand thinned again. Some blowdown and also larger gaps created due to large amount of balsam poplar removed. Excellent regeneration 4-10' sugar maple in most areas of stand. Mostly good quality larger trees. Not much crowding of trees yet, lots of crown room. 2015: BA still a little low for treatment (100-110).5/27/16 Field Notes: Typical northern hardwood stand with small aspen component on southern edge of stand. Good sugar maple sapling regeneration throughout, ironwood in patches. Larger skid trails/old roads going northwest up the slope are low, wet, and lots of evidence of past erosion. Gravel on these trails, but not enough; ground is soggy with seeps. Winter ground.	





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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
25	4112 - Maple, Beech, Cherry Association	Sawtimber Well	14.8	108	111-140	N/A	Trace amount of upland cedar in canopy. Large white spruce standing dead. A few ages of maple present seedling, saplings, poles, and logs. (2025)OPIC - FMD: Poor quality hardwood, lots of clumps, twins and triples. The stand is quite variable, the aspen component runs throughout the stand with average dbh over 12". There are pockets of fir poles and much of the hardwood is 2 aged with big remnant hardwoods over smaller poles. Retain the fir pockets. Harvest will be scheduled for the summer months. 2011-Cut by Jim Carey Logging under contract # 002-08-01.2016 inventory: moderate quality hardwood. Maple regen<3', browsed heavily. Heavy Rubus spp. on north end, patchy fir saplings throughout.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	65	Log/Pole	12	108	Balsam Fir	Low		Variable	Variable
Red Maple	24	Log	12		Leatherwood	Low		5 - 10 feet	5 - 10 feet
Quaking Aspen	8	Log	14		Sugar Maple	Low		Variable	Variable
Balsam Fir	1	Pole	9		Sugar Maple	Medium		< 5 feet	< 5 feet
Black Ash	2	Log/Pole	12		Sugar Maple	Low		>20 feet	>20 feet
26	4130 - Aspen	Sapling Well	25.9	14	Immature	N/A	2015 - Planted hunter walking trail to clover. Planted 9 dolgo crabapples.2014 - installe gate, planted 50 crabapples, 5 apple trees, 10 nannyberry, 5 red oak, 4 mountain ash. Mowed hunter walking trail.OPIC - FMD: High volume high quality aspen stand. East part of stand is almost pure aspen, west portion contains the mix of the other species. This part also contains pockets of fairly good maple regeneration. Due to the proximity to another final harvest in the adjacent compartment, harvesting plans will be modified to satisfy "green up" requirements for certification. 2008- That portion of the stand west of PBR is not included in the sale and will serve as retention. "Green up" requirements for certification (see above comments) have been satisfied with the rapid growth of aspen regeneration on the adjacent sale so the sale does not need to be modified along the northern boundary. 2011-Treated by Minerick under contract # 01-08-01. Fully regenerated to aspen.2016 inventory: fully stocked 7' aspen stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	2	Sapling/Pole	3		Balsam Fir	Low		Variable	Variable
Paper Birch	2	Sapling/Pole	3		Sugar Maple	Trace		< 5 feet	< 5 feet
Quaking Aspen	43	Sapling/Pole	3	14					
Bigtooth Aspen	40	Sapling/Pole	3						
Balsam Poplar	10	Sapling/Pole	3						
Balsam Fir	3	Sapling/Pole	3						
27	6120 - Lowland Cedar	Poletimber Well	26.0	130	201+	N/A	Lowland cedar stand with transition zone of fir on western edge, wet. Trace amount of aspen, BAM, and black ash.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Spruce	5	Pole/Log	9		Balsam Fir	Medium		Variable	Variable
Northern White Cedar	94	Pole	9	130	Northern White Cedar	Trace		Variable	Variable
Tamarack	1	Pole/Log	9						
28	6118 - Lowland Deciduous with Cedar	Sawtimber Well	6.2	108	81-110	N/A	Ash is falling out BA is variable. (2025)Small pocket of cedar with hardwood upland. Retain pocket for unique habitat.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	50	Log/Pole	11	108	Balsam Poplar	Low		Variable	Variable
Yellow Birch	3	Log/Pole	11		Black Ash	Medium		Variable	Variable
Quaking Aspen	5	Log/Pole	10		Balsam Fir	Medium		Variable	Variable
Balsam Poplar	2	Log/Pole	12		Black Spruce	Low		Variable	Variable
Northern White Cedar	20	Pole	8						
Black Ash	20	Log/Pole	10						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
29	4130 - Aspen	Poletimber Well	15.8	43	51-80	N/A	Wet ground. Trace amount of paper birch, white spruce, and black spruce. (2025)OPIC - FMD: Cut under permit # 19-88-1. Aspen is 2-4" dbh, 20-30' tall.5/26/2016 Field notes: Becoming a pole stand. Low ground and seeps, especially along access trail. Old trail has big ruts. Winter ground.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	75	Pole	5	43	Balsam Fir	Medium		Variable	Variable
Balsam Poplar	15	Pole	5		Black Cherry	Trace		Variable	Variable
Balsam Fir	10	Pole	6		Ironwood	Trace		Variable	Variable
					Red Maple	Trace		Variable	Variable
					Tag Alder	Low		5 - 10 feet	5 - 10 feet
30	6122 - Black Spruce	Poletimber Well	98.5	106	81-110	N/A	OPIC - FMD: SCA-This is a new SCA consisting of a low, wet, conifer swamp with small flowage. Retain as biodiversity maintenance zone to protect riparian values along the small stream.Trace amount of large sugar maple and white spruce on edges.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	1	Log/Pole	10		Black Spruce	Low		Variable	Variable
Quaking Aspen	1	Log	12		Balsam Fir	Low		Variable	Variable
Black Spruce	63	Pole	7	106	Red Maple	Low		Variable	Variable
Northern White Cedar	10	Log/Pole	10		Tag Alder	Medium		5 - 10 feet	5 - 10 feet
Tamarack	25	Pole	7						
31	42200 - Natural White Pine	Sawtimber Well	9.9	91	111-140	N/A	OPIC - FMD: Treated under permit #015-92-01. Trace amount of pole sized aspen, paper birch and black spruce		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	5	Pole	7		Balsam Fir	High		Variable	Variable
White Pine	64	XLog/Log/Pole	18	91	Red Maple	Low		Variable	Variable
Red Pine	30	XLog/Log/Pole	18		Paper Birch	Trace		Variable	Variable
Jack Pine	1	Pole	7		Quaking Aspen	Low	Variable	Variable	
32	6120 - Lowland Cedar	Poletimber Well	60.4	120	111-140	N/A	Trace amount of quaking aspen. (2025)		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	2	Log/Pole	12		Quaking Aspen	Trace		Variable	Variable
Paper Birch	3	Pole/Log	8		Balsam Fir	Medium		Variable	Variable
Balsam Poplar	2	Log/Pole	10		Red Maple	Low		Variable	Variable
Black Spruce	18	Pole/Log	8		Tag Alder	Medium		5 - 10 feet	5 - 10 feet
Northern White Cedar	50	Pole/Log	9	120	Black Spruce	Low		Variable	Variable
Black Ash	25	Pole	6						
33	4110 - Sugar Maple Association	Sawtimber Poor	7.2	188	1-50	N/A	Lots of good established regeneration. 25% canopy closure. (2025)Cut in 2020.OPIC - FMD: This is a two-aged stand with large remnant white pine, yellow birch, sugar maple, and hemlock over mixed hardwood poles-mainly soft maple and sugar maple. Regeneration carpets the forest floor at a height of 12"-18" but does not get any taller.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	83	Log/XLog	15	188	Sugar Maple	High		< 5 feet	< 5 feet
Yellow Birch	10	Log	10		Red Maple	Medium		10 - 20 feet	10 - 20 feet
White Pine	2	Log/XLog	16		Wild Red Raspberry	Medium		5 - 10 feet	5 - 10 feet
Hemlock	5	Log/XLog	15		Yellow Birch	Low		< 5 feet	< 5 feet
					Quaking Aspen	Trace	Variable	Variable	



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
46	4130 - Aspen	Sapling Well	32.0	23	Immature	N/A	Trace amount of jack pine and oak in canopy. Very diverse stand. (2025)OPIC - FMD: Former white birch, aspen, and red and white pine stand. Stand was treated with a seed tree cut in 2001and 2002 by Usher under permit #007-98-01. 2016-There is a fair amount of white birch regen 5-15' tall especially on disturbed soil areas, but much of the stand has regenerated to quaking and bigtooth aspen.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	10	Sapling/Pole	2		Red Pine	Low		Variable	Variable
Paper Birch	5	Sapling	2		Balsam Fir	Low		Variable	Variable
Quaking Aspen	52	Sapling/Pole	3	23	White Pine	Medium		10 - 20 feet	10 - 20 feet
Bigtooth Aspen	10	Sapling/Pole	3		White Pine	Low		< 5 feet	< 5 feet
Balsam Poplar	5	Sapling/Pole	3						
White Pine	2	Sapling	2						
White Pine	10	Log/Pole	13	70					
Red Pine	1	Sapling	2						
Black Cherry	5	Sapling	2						
47	4115 - Y.Birch, Hemlock NH	Sawtimber Poor	4.3	110	1-50	N/A	Seed tree cut in 2020. Yellow birch seed trees left.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Yellow Birch	85	Log/Pole	10	110	Balsam Fir	Low	Variable	Variable	
Paper Birch	10	Log/XLog	15		Black Ash	Low	Variable	Variable	
Northern White Cedar	5	Log/Pole	10		Black Cherry	Trace	Variable	Variable	
					Sugar Maple	Trace	Variable	Variable	
					Red Maple	Medium	5 - 10 feet	5 - 10 feet	
					Paper Birch	Low	Variable	Variable	
					Tag Alder	Low	< 5 feet	< 5 feet	
					Wild Red Raspberry	Low	< 5 feet	< 5 feet	
					Cattail spp.	Low	Not Applicable	Not Applicable	
					Red Oak	Trace	Variable	Variable	
					Yellow Birch	Trace	Variable	Variable	
					Quaking Aspen	Low	Variable	Variable	
48	622 - Lowland Shrub	None	3.1			No	Culvert on west side by road, drains to the west.		
49	4110 - Sugar Maple Association	Sawtimber Well	1.2	108	81-110	N/A	OPIC - FMD: Small patch of hardwood growing along aspen ridge.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Sugar Maple	96	Log/Pole	12	108	Sugar Maple	Low	Variable	Variable	
Red Maple	1	Pole	8		Balsam Fir	Medium	Variable	Variable	
Paper Birch	2	Pole	6		Balsam Fir	Low	>20 feet	>20 feet	
Quaking Aspen	1	Log	15						

5/26/16 Field notes: somewhat wolfy sugar maple and overmature aspen. Good sugar maple regen. Average BA 80.



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Stand

Level 4 Cover Type

Size Density

Acres

Stand Age

BA Range

Managed Site

General Comments

59

4130 - Aspen

Sapling Well

36.0

14

Immature

N/A

2014 & 2015 - installed kiosk for grouse gem and improved turnaround parking area. SE corner of this stand.OPIC - FMD: Stand is composed of white birch, upland black spruce, fir, poor quality soft maple and a few aspen. A lot of fir is dead and down. Most of the regeneration is black spruce and fir. Remove overstory. The stand should regenerate primarily to spruce/fir , with a mix of aspen, red maple, and possibly white pine. Aspen and white pine are both acceptable regeneration alternatives. Harvesting will be scheduled for the summer months. 2011-Cut by Jim Carey Logging under contract # 002-08-01.2016 inventory: WP/conifer retention islands, moderate RM regen, and poor aspen regen on east (west-facing slope) side of stand. Good aspen regen in remainder (2/3 of total area) of stand.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	89	Sapling	3	14
Balsam Fir	2	Sapling/Pole	4	
White Spruce	2	Sapling/Pole	4	
Black Spruce	2	Pole/Sapling	6	
White Pine	3	Log	14	
Black Cherry	2	Sapling	3	

61

4110 - Sugar Maple Association

Sawtimber Well

17.8

108

81-110

N/A

Thinned in 2020. Carpet of sugar maple seedlings. Did not see a significant component of older saplings as noted in the past. My guess is that these areas were adversely impacted by harvest. (2025)OPIC - FMD: Cut under permit 12-98-01 in 1999. Stand is even-aged with very little regeneration, mostly ironwood. Dense raspberry regen. Some knee high pockets of sugar maple seedlings, but these are heavily browsed.2016 inventory: Richer site. Moderate quality sugar maple logs. South-facing slope has very little, <3' browsed sugar maple regen. North-facing slope has almost continuous 6' tall, beautiful sugar maple regen.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	95	Log/Pole	13	108
Red Maple	5	Log/Pole	13	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Variable
Sugar Maple	High	< 5 feet	< 5 feet
Sugar Maple	Low	Variable	Variable
Wild Red Raspberry	High	< 5 feet	< 5 feet
Ironwood	Medium	Variable	Variable

62

4116 - Mixed N. Hardwood - Aspen

Sawtimber Well

4.5

108

111-140

N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5	Log/Pole	10	
Red Maple	60	Log/Pole	10	108
Yellow Birch	3	Log/XLog	15	
Paper Birch	2	Log/XLog	15	
Bigtooth Aspen	28	XLog/Log	19	
Balsam Fir	2	Pole	9	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Variable
Sugar Maple	Trace	Variable	Variable
Red Maple	Trace	Variable	Variable

63

6220 - Alder/Willow

None

5.1

No

64

4113 - R.Maple, Conifer

Poletimber Poor

7.9

29

1-50

N/A

Cut in 1995 under contract # 22-93-01, former birch/aspen stand. Stand consists of scattered aspen clones with occasional fir. White birch did regenerate in patches but was browsed heavily by moose, as was much of the aspen.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	50	Sapling/Pole	3	29
Paper Birch	5	Log/Pole	10	29
Balsam Fir	30	Pole	7	
White Spruce	5	Pole	8	
Black Cherry	10	Sapling	4	





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																											
69	6120 - Lowland Cedar	Poletimber Medium	107.0	151	81-110	N/A	Trace super canopy white pine. Diverse stand. Some areas a little higher with some aspen and maple but are still low and mixed with cedar and other lowland species. (2025)OPIC - FMD: Mix of cedar and other lowland conifer. Cedar occurs in pure stands not typed out separately here but also fir,spruce,tamarack,balm, and w.birch. Cedar is more north part of stand where it gets wider between upland and Chandler Brook. Some larger white pines in areas especially along upland edges. Alder thick in areas especially where overstory is scant. Chandler brook riparian values protected with this stand. 2015: Lots of standing water.																																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>5</td><td>Log/Pole</td><td>10</td><td></td></tr><tr><td>Yellow Birch</td><td>1</td><td>Log</td><td>15</td><td></td></tr><tr><td>Paper Birch</td><td>3</td><td>Log/Pole</td><td>10</td><td></td></tr><tr><td>Quaking Aspen</td><td>3</td><td>Log/Pole</td><td>14</td><td></td></tr><tr><td>Balsam Poplar</td><td>1</td><td>Log/Pole</td><td>12</td><td></td></tr><tr><td>Black Spruce</td><td>5</td><td>Pole</td><td>9</td><td></td></tr><tr><td>Northern White Cedar</td><td>78</td><td>Pole/Log</td><td>9</td><td>151</td></tr><tr><td>Tamarack</td><td>2</td><td>Pole</td><td>8</td><td></td></tr><tr><td>Hemlock</td><td>2</td><td>Log</td><td>15</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	5	Log/Pole	10		Yellow Birch	1	Log	15		Paper Birch	3	Log/Pole	10		Quaking Aspen	3	Log/Pole	14		Balsam Poplar	1	Log/Pole	12		Black Spruce	5	Pole	9		Northern White Cedar	78	Pole/Log	9	151	Tamarack	2	Pole	8		Hemlock	2	Log	15		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Tag Alder</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Variable	Tag Alder	Medium	5 - 10 feet	5 - 10 feet
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70	42330 - Upland Fir	Poletimber Poor	5.8	34	1-50	N/A	OPIC - FMD: Originally part of stand 38, this is a fringe of fir and white spruce that did not regenerate to aspen. Si from stand 38.																																																											
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71	4319 - Mixed Upland Forest	Poletimber Poor	3.9	34	1-50	N/A	Looks like another area that didn't regenerate well to aspen. (2025)OPIC - FMD: High knob of stand 38 that did not regenerate to aspen. U is mostly cherry brush, small fir and raspberry.																																																											
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72	42200 - Natural White Pine	Sawtimber Medium	13.4	90	51-80	N/A	OPIC - FMD: Former white birch, aspen, and red and white pine stand. Stand was treated with a seed tree cut in 2001and 2002 by Usher under permit #007-98-01. There is a fair amount of white birch regen 6-12" tall especially on disturbed soil areas, but much of the stand has regenerated to quaking and bigtooth aspen. 2016-Heavier component of pine. Decent mix pine regen where soil was disturbed. White birch along the main dirt road. Nice stand.																																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Pine</td><td>95</td><td>Log/XLog</td><td>17</td><td>90</td></tr><tr><td>Red Pine</td><td>5</td><td>Log/XLog</td><td>16</td><td>90</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		White Pine	95	Log/XLog	17	90	Red Pine	5	Log/XLog	16	90	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Black Spruce</td><td>Trace</td><td>Variable</td><td>Variable</td></tr><tr><td>White Pine</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Quaking Aspen</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>Trace</td><td>>20 feet</td><td>>20 feet</td></tr><tr><td>Paper Birch</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Trace	Variable	Variable	White Pine	Medium	Variable	Variable	Quaking Aspen	Medium	Variable	Variable	Balsam Fir	Medium	Variable	Variable	Red Maple	Low	Variable	Variable	Red Maple	Trace	>20 feet	>20 feet	Paper Birch	Low	Variable	Variable															
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73	6239 - Mixed Emergent Wetland	None	26.6			No	OPIC - FMD: Beaver Flooding 2016-Former beaver flooding																																																											



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
74	4130 - Aspen	Poletimber Well	4.0	26	1-50	N/A	2014 & 2015 - installed kiosk for grouse gem and improved turnaround parking area. SE corner of this stand.OPIC - FMD: Stand is composed of white birch, upland black spruce, fir, poor quality soft maple and a few aspen. A lot of fir is dead and down. Most of the regeneration is black spruce and fir. Remove overstory. The stand should regenerate primarily to spruce/fir , with a mix of aspen, red maple, and possibly white pine. Aspen and white pine are both acceptable regeneration alternatives. Harvesting will be scheduled for the summer months. 2011-Cut by Jim Carey Logging under contract # 002-08-01.2016 inventory: same age as stand 34.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	2	Pole	7		Black Cherry	Low		Variable	Variable
Paper Birch	3	Pole/Sapling	5		Sugar Maple	Medium		Variable	Variable
Quaking Aspen	90	Pole	5	26					
Balsam Fir	3	Pole	5						
White Spruce	2	Pole	5						
75	6121 - Tamarack	Sapling Well	9.7	24	Immature	N/A	OPIC - FMD: Former S6 stand treated under permit # 007-98-01, it has regenerated to tamarack and black spruce.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	2	Sapling	3		Black Spruce	Medium		< 5 feet	< 5 feet
Black Spruce	5	Sapling	3		Tamarack	Medium		< 5 feet	< 5 feet
Tamarack	89	Sapling	3	24					
White Pine	2	Sapling	3						
Red Pine	2	Sapling	4						
76	4134 - Aspen, Spruce/Fir	Sawtimber Well	80.1	108	111-140	N/A	OPIC - FMD: Nice 2-3 stick aspen with fir and spruce. Eastern edge of this stand abuts the retention portion of stand 28 which is not to be harvest with stand 19 in the future.		
Canopy Species	% Cover	Size Class	DBH	Age					
Paper Birch	2	Log/XLog	13						
Quaking Aspen	75	Log/Pole	11	108					
Balsam Fir	18	Pole/Log/Sap	6						
White Spruce	5	Log/Pole	11						
77	4134 - Aspen, Spruce/Fir	Poletimber Well	20.3	52	51-80	N/A	Planted numerous shrubs, planted to rye in 2013, planted to clover in 2014. Installed gates. Annual mowing, fertilize, and frost seeding. CR438 Hunter Walking Trail.OPIC - FMD: Nice aspen with BA running from 70-130, average of 80. 3-4 sticks tall. Stand shares a hunter walking trail with stand 77 which is need of maintainance. 2016-Scheduled for harvest under GEMS plan in 2022.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	35	Log/Pole	10		Balsam Fir	Medium		Variable	Variable
Bigtooth Aspen	35	Log/Pole	10	52	Sugar Maple	Low		Variable	Variable
Balsam Fir	30	Log/Pole	10		Red Maple	Low		Variable	Variable
78	4130 - Aspen	Poletimber Well	17.3	32	51-80	N/A	CR 438 Hunter Walking Trail: Planted numerous shrubs, planted to rye in 2013, planted to clover in 2014. Installed gates. Annual mowing, fertilize, and frost seeding. OPIC - FMD: Cut under permit # 38-88-1, aspen has regenerated nicely and is 15-25' tall.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Paper Birch	5	Pole	5		Balsam Fir	Medium	Variable	Variable	
Quaking Aspen	80	Pole	7	32	Ironwood	Medium	Variable	Variable	
Balsam Poplar	10	Pole	8		Sugar Maple	Low	Variable	Variable	
Balsam Fir	2	Pole	6		Red Maple	High	Variable	Variable	
White Pine	1	XLog/Log	19		Paper Birch	Low	Variable	Variable	
Black Cherry	2	Pole	5		Black Spruce	Trace	Variable	Variable	
							Trace red pine and white spruce in the canopy (2025)		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
79	4130 - Aspen	Poletimber Well	12.1	37	111-140	N/A	Pocket of balsam fir mixed in with BAM and aspen on south side (2025)OPIC - FMD: 4" average well-stocked except about 2-3 acres non-stocked with raspberry NW along hardwood edge. Looks to be gradually seeding in with some balsam fir. Balsam poplar in some areas. Cut as "Perrin Brothers Island Sale" #010-87-1 in 1988. 2015: South end of stand with numerous blowdown, snapped stems - poor shape. Being replaced by sugar maple.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	1	Log	10		Sugar Maple	High		Variable	Variable
Paper Birch	1	Sapling/Pole	4		Red Maple	Low		Variable	Variable
Quaking Aspen	87	Pole	7	37	Black Cherry	Low		Variable	Variable
Balsam Poplar	2	Pole	7	37					
Balsam Fir	5	Pole	8						
Northern White Cedar	1	Log	10						
Black Cherry	3	Pole	6						
80	4130 - Aspen	Poletimber Well	12.6	34	141-170	N/A	Trace amount of black spruce and paper birch in canopy. (2025)OPIC - FMD: Cut under permit # 19-88-1. Aspen is 2-4" dbh, 20-30' tall.5/27/16 Field Notes: Becoming aspen pole stand. Higher ground than aspen stands to north. Road and creek crossing to north of the stand are low. Seeps common.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	84	Pole	7	34	Black Cherry	Trace		Variable	Variable
Balsam Poplar	10	Pole	6		Red Maple	Low		Variable	Variable
Balsam Fir	5	Pole	6		Tag Alder	Low		5 - 10 feet	5 - 10 feet
White Spruce	1	Pole	6		Balsam Fir	Low		Variable	Variable
81	4130 - Aspen	Poletimber Well	8.3	34	81-110	N/A	OPIC - FMD: Cut under permit # 19-88-1. Aspen is 2-4" dbh, 20-30' tall. 5/27/16 Field notes: Becoming an aspen pole stand. Open areas, especially to the south, with low aspen stocking and open-growing fir, spruce. Road is low, full of tag alder and standing water. Winter ground. Access road has one creek/tributary crossing to the west (stand 29 w boundary), and one to south of this stand (stand 30). Each creek is 3' wide at bank-full width, running full now.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	90	Pole	7	34	Ironwood	Low		Variable	Variable
Balsam Fir	10	Pole	7		Red Maple	Low		Variable	Variable
					Tag Alder	Low		Variable	Variable
					Balsam Fir	Low		< 5 feet	< 5 feet
					Black Cherry	Low	Variable	Variable	
82	4130 - Aspen	Sapling Well	40.7	4	Immature	N/A	Stand was harvested in 2020.OPIC - FMD: Aspen stand growing on a small ridge. Stand is healthy, with scattered white spruce and white birch.5/25/16 Field notes: Overmature aspen, balsam fir, white spruce, paper birch starting to decline. Good birch component, good sugar maple sapling regeneration in patches; converting to northern hardwood.		
Canopy Species	% Cover	Size Class	DBH	Age					
Red Maple	1	Sapling	1						
Paper Birch	5	Sapling	1						
Quaking Aspen	94	Sapling	1	4					
83	4130 - Aspen	Poletimber Well	25.1	36	81-110	N/A	2015 - W32698 - installed gate, limed, mowed. It was decided only to plant a portion of the trail to clover.2014 - W32698 - planted 25 red baron apple trees, 25 nannyberry, 25 highbush cranberry,4 mountain ash, and 7 seedling apple trees. Hunter walking trail was herbicided and disked. OPIC - FMD: Cut under permit # 23-88-1. Aspen is 1-3" dbh, 15-20' tall.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Paper Birch	2	Pole	6		Balsam Fir	Low		Variable	Variable
Quaking Aspen	87	Pole	9	36	Ironwood	Low		Variable	Variable
Balsam Poplar	10	Pole	8		Sugar Maple	Medium		Variable	Variable
Balsam Fir	1	Pole	8						





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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
101	4130 - Aspen	Sapling Well	22.0	14	Immature	N/A	Trace amount of cherry and yellow birch. (2025)2015 - Planted hunter walking trail to clover. Planted 9 dolgo crabapples.2014 - install gate, planted 50 crabapples, 5 apple trees, 10 nannyberry, 5 red oak, 4 mountain ash. Mowed hunter walking trail.OPIC - FMD: High volume high quality aspen stand. East part of stand is almost pure aspen, west portion contains the mix of the other species. This part also contains pockets of fairly good maple regeneration. Due to the proximity to another final harvest in the adjacent compartment, harvesting plans will be modified to satisfy "green up" requirements for certification. 2008- That portion of the stand west of PBR is not included in the sale and will serve as retention. "Green up" requirements for certification (see above comments) have been satisfied with the rapid growth of aspen regeneration on the adjacent sale so the sale does not need to be modified along the northern boundary. 2011-Treated by Minerick under contract # 01-08-01. Fully regenerated to aspen.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	5	Sapling/Pole	3		Tamarack	Trace		Variable	Variable
Quaking Aspen	40	Sapling/Pole	4	14	Ironwood	Low		Variable	Variable
Bigtooth Aspen	50	Sapling/Pole	4	14	Black Spruce	Trace		Variable	Variable
Balsam Fir	5	Pole/Sapling	6		Black Cherry	Low		Variable	Variable
					Sugar Maple	Trace		Variable	Variable
					Paper Birch	Low		Variable	Variable
102	4130 - Aspen	Sapling Well	30.4	16	Immature	N/A	Pole stand in some areas but for the most part a sapling stand. (2025)2015 - Planted hunter walking trail to clover. Planted 9 dolgo crabapples.2014 - install gate, planted 50 crabapples, 5 apple trees, 10 nannyberry, 5 red oak, 4 mountain ash. Mowed hunter walking trail.OPIC - FMD: High volume high quality aspen stand. East part of stand is almost pure aspen, west portion contains the mix of the other species. This part also contains pockets of fairly good maple regeneration. Due to the proximity to another final harvest in the adjacent compartment, harvesting plans will be modified to satisfy "green up" requirements for certification. 2008- That portion of the stand west of PBR is not included in the sale and will serve as retention. "Green up" requirements for certification (see above comments) have been satisfied with the rapid growth of aspen regeneration on the adjacent sale so the sale does not need to be modified along the northern boundary. 2011-Treated by Minerick under contract # 01-08-01. Fully regenerated to aspen.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	43	Sapling/Pole	4	16	Sugar Maple	Trace		Variable	Variable
Bigtooth Aspen	50	Sapling/Pole	4	16	Balsam Fir	Low		Variable	Variable
Balsam Poplar	2	Sapling/Pole	4						
Balsam Fir	5	Pole/Sapling	6						
103	4110 - Sugar Maple Association	Sawtimber Well	28.7	120	81-110	N/A	Nice flush of sugar maple seedlings. Observed gaps have ironwood and elderberry. No trace of hemlock planted in 2001. (2025)West Gems MWR sale cut in 2017."North Branch Block" #24/76A - select cut 1977 (removing mostly elm) and "Bryan Creek Sale" #024-96 - select cut summer, 1999. Stain, forks, seams, cankers and breakage all noted. Trace fir, hemlock. Raspberry, burdock noted. FTP W32-590: Underplanted 7,900 hemlock 9/25/2001.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	90	Log/Pole	11	120	Leatherwood	Low		< 5 feet	< 5 feet
Basswood	10	Log/Pole	16		Ironwood	Low		Variable	Variable
					Sugar Maple	Medium		Variable	Variable
					Sugar Maple	Low		>20 feet	>20 feet
					Sugar Maple	Low		Variable	Variable
					Wild Red Raspberry	Low		< 5 feet	< 5 feet
					Elderberry	Low		5 - 10 feet	5 - 10 feet



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Stand	Level 4 Cover Type	Size Density			Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																		
114	4130 - Aspen	Sapling Well			3.6	12	Immature	N/A	Trace amount of super canopy white pine and canopy black cherry. (2025)OPIC - FMD: Nice aspen poles with fir and white spruce over dense fir regeneration along a narrow ridge. Stand also contains an occasional red pine sawtimber tree. Retain the few large diameter spruce and all red pine. In addition, the western 300' of the stand will be retained to protect the fishery of Bryan Creek. 2013- Stand harvested by Roy Nelson III under contract # 007-10-01.7/19/23: Updated to non-OI cover type.																																																																																		
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Wild Red Raspberry	Medium	< 5 feet	< 5 feet																																																																																								
115	330 - Low-Density Trees	None			9.1			No	Cut in 1983 but did not regenerate well. This area was probably upland cedar and/or spruce. Area is filling in with sapling/pole sized aspen, BAM, pine, cherry, and fir. (2025)																																																																																		
116	4110 - Sugar Maple Association	Sawtimber Well			3.5	120	111-140	N/A	Trace white spruce, cedar and hemlock (2025)Island of hardwood within aspen type. Thinned in 1977, and 1985 under permit #027-83 "North Branch Block".																																																																																		
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117	6121 - Tamarack	Poletimber Well			91.9	115	51-80	N/A	Small slightly higher hump on south end with some white pine and maple mixed in with tamarack and spruce. Latter area is about a 3/4 of an acre. Basal area is variable. Tamarack is falling out. Stand is very wet. Trace amount of aspen/BAM (2025)																																																																																		
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118	4139 - Aspen, Mixed Deciduous	Poletimber Well			40.1	30	81-110	N/A	Trace amount of elm, sugar maple, basswood in canopy. Northeast point has fair amount of cedar mixed in with BAM, maple, and aspen. (2025)Cut with C. 56 to the north under #031-93 - 1995. Some patchy, open areas and lowland aspen. Aspen ~30 ft hts now. Trace amount of cherry, paper birch within.																																																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
150	4130 - Aspen	Sawtimber Well	25.5	49	111-140	N/A	75% canopy closure. Super canopy older trees present but overall, very low percentage of canopy. Cut 2017 under Perrin Brothers North GEMS SBW (32-014-16) (2025)Mix of species in areas, Hardwood is maple (low quality), white birch and cherry. Some uprooting and blowdown of aspen occurring. M3 understory(sugar maple) in areas, F3 elsewhere most under 2" dbh. Hazel and raspberry, some elderberry, juneberry in the shrub layer. Cut spring, 1976 under permit # 7/76A "Perrin Brothers Road Block".		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	2	Log/Pole	10		Black Cherry	Low		Variable	Variable
Red Maple	5	Pole	7		Black Cherry	Low		Variable	Variable
Paper Birch	1	Pole	8		Balsam Fir	Medium		Variable	Variable
Quaking Aspen	75	Log/Pole	11	49	Balsam Fir	Medium		Variable	Variable
Bigtooth Aspen	10	Log/Pole	11		Sugar Maple	Low		Variable	Variable
Balsam Poplar	5	Log/Pole	11		Red Maple	Medium		Variable	Variable
Balsam Fir	2	Pole	8		White Spruce	Low		Variable	Variable
					White Spruce	Low		Variable	Variable
151	4130 - Aspen	Poletimber Well	3.0	37	81-110	N/A	OPIC - FMD: well-stocked 4" dbh. Fir understory in areas 4-6' tall but some larger. Cut in 1988 under permit #010-97-1 "Perrin Brothers Island Sale" (unit 1). 2015: Some uprooting noted and dieback. Ground cover of raspberry, hazel and bracken fern all present. Nice sugar maple in understory. Small vernal area within north tip of stand - smaller aspen here as well.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	1	Pole	6		Balsam Fir	Medium		Variable	Variable
Paper Birch	1	Pole	6		Sugar Maple	High		>20 feet	>20 feet
Quaking Aspen	95	Pole	8	37	Red Maple	High		Variable	Variable
Balsam Fir	2	Pole	8						
Black Cherry	1	Pole	6						
152	4112 - Maple, Beech, Cherry Association	Poletimber Well	9.7	75	81-110	N/A	OPIC - FMD: Thinned Oct, 1997 and May, 2000 permit #16-97-01 "Perrin Camp Sale" (unit 5) by Tri-Forestry. Mostly a poorer timber quality red maple stand but some sugar on the higher elevations. Good regeneration 6' tall in spots being fed on by deer but may escape. Overall timber quality has improved with the last harvest and good potential is here. Good species diversity in this stand. Softwoods are Hemlock, cedar, spruce and fir. 2015: Paper birch heavy along marsh type with heavy fir understory and smaller sugar maple. Transitions into more pure hardwood with 10-15' maple saplings. Larger white spruce is dying - budworm. Black stain on sugar maple noted.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	20	Log/Pole	12		Balsam Fir	Medium		Variable	Variable
Red Maple	66	Pole/Log	9	75	Sugar Maple	Medium		Variable	Variable
Paper Birch	3	Log/Pole	10		White Spruce	Low		Variable	Variable
Balsam Fir	2	Pole	8						
White Spruce	3	Pole/Log	8						
Northern White Cedar	5	Log	10						
Black Cherry	1	Pole	8						
153	4319 - Mixed Upland Forest	Poletimber Well	27.5	67	51-80	N/A	Thick fir understory in most areas. A few semi-open areas within. Trace amount of large-diameter maple. Budworm evidence in spruce; aspen in decline - a lot dead already. Treat now.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	40	Log/Pole	10	67	Balsam Fir	High		>20 feet	>20 feet
Balsam Poplar	5	Pole	7		Black Cherry	Medium		Variable	Variable
Balsam Fir	30	Pole/Log	8		Sugar Maple	Medium		Variable	Variable
White Spruce	20	Pole/Log/Sap	6						
Black Cherry	5	Pole/Sapling	5						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
154	6111 - Lowland Balsam Poplar	Sapling Well	23.9	26	Immature	N/A	Almost pole stand but not yet.OPIC - FMD: Cut July, 1998 by Tri-forestry permit #16-97-01 "Perrin Camp Sale" (unit 7). Small patch left uncut north due to wetter soil and is less than 2 acres. 1" dbh average but some up to 2" dbh due to staggered cutting by contractor. Well-stocked mostly but some sparse areas with red maple sprouting and fir seeding in those areas. Fir is seeding in throughout stand. Cedar left throughout stand and only a minor amount has blown down. Some aspen clones but most of this stand is balsam poplar. A wetter soil here but not as low as the typical lowland conifer stand.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	2	Log/Pole	10		Black Cherry	Low		Variable	Variable
Paper Birch	10	Sapling	2		Balsam Fir	Medium		Variable	Variable
Quaking Aspen	17	Sapling/Pole	4	26	Sugar Maple	High		Variable	Variable
Balsam Poplar	60	Sapling/Pole	4	26	Red Maple	Low		Variable	Variable
Balsam Fir	2	Sapling/Pole	4						
Northern White Cedar	2	Pole/Log	8						
White Pine	2	Pole/Sapling	5						
Black Ash	5	Pole/Sapling	5						
155	330 - Low-Density Trees	None	2.7			No	Previously treated under FTP W32-426: cleared 9/24/91 and seeded 6/92.		
156	42200 - Natural White Pine	Sawtimber Well	6.3	120	81-110	N/A	White spruce and balsam falling out. (2025)OPIC - FMD: Scattered large white pine. Stand was cut all but pine cedar and some large maple and spruce about 1980. Thick balsam fir understory is 15-20+ foot tall. 2015: no white pine regeneration noted.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	1	Log	16		Red Maple	Medium		>20 feet	>20 feet
Red Maple	2	Pole	8		Balsam Fir	High		Variable	Variable
Paper Birch	5	Log/Pole	10	45					
Balsam Fir	5	Pole/Sapling	6						
White Spruce	3	Log	16						
Black Spruce	1	Pole/Sapling	6						
Northern White Cedar	1	Log	12						
White Pine	80	XLog/Log	22	120					
Black Cherry	2	Pole/Sapling	6						
157	4112 - Maple, Beech, Cherry Association	Poletimber Well	4.6	75	81-110	N/A			
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	43	Log/Pole	10		Northern White Cedar	Low		Variable	Variable
Red Maple	50	Pole/Log	9	75	Balsam Fir	Low		Variable	Variable
Basswood	5	Log/Pole	15		Ironwood	Low		Variable	Variable
Northern White Cedar	2	Pole	9		Sugar Maple	Low		Variable	Variable



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
158	4130 - Aspen	Sapling Well	46.6	16	Immature	N/A	Trace amount of super canopy white spruce. (2025)Stand treated under contract # 018-07-01 "Perrin Central Sale" (unit 1 - 3) - harvested spring/summer, 2009.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	1	Log/Pole	12		Balsam Fir	Low		Variable	Variable
Red Maple	2	Sapling/Pole	4		Black Cherry	Medium		Variable	Variable
Paper Birch	1	Sapling	2		Sugar Maple	Low		Variable	Variable
Quaking Aspen	45	Sapling/Pole	3	16	Tag Alder	Trace		5 - 10 feet	5 - 10 feet
Bigtooth Aspen	30	Sapling/Pole	3	16					
Balsam Poplar	10	Sapling/Pole	3	16					
Balsam Fir	5	Pole	5						
White Pine	1	Log/XLog	15						
Black Cherry	5	Sapling/Pole	4						
159	4139 - Aspen, Mixed Deciduous	Sapling Well	31.3	8	Immature	N/A	75% canopy closure. Super canopy older trees present but overall, very low percentage of canopy. Cut 2017 under Perrin Brothers North GEMS SBW (32-014-16) (2025)Mix of species in areas, Hardwood is maple (low quality), white birch and cherry. Some uprooting and blowdown of aspen occurring. M3 understory(sugar maple) in areas, F3 elsewhere most under 2" dbh. Hazel and raspberry, some elderberry, juneberry in the shrub layer. Cut spring,1976 under permit # 7/76A "Perrin Brothers Road Block".		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	1	Log/Pole	15		Wild Red Raspberry	Medium		< 5 feet	< 5 feet
Sugar Maple	2	Sapling	2						
Basswood	2	Log/Pole	15						
Paper Birch	1	Sapling	1						
Quaking Aspen	57	Sapling	1	8					
Balsam Poplar	25	Sapling	2						
Balsam Fir	2	Sapling/Pole	4						
Black Cherry	10	Sapling/Pole	4						
160	4110 - Sugar Maple Association	Sawtimber Well	29.8	120	111-140	N/A	Gaps have varying levels of success. (2025)West Gems MWR sale cut 2017.OPIC - FMD: Thinned Dec, 1997 - June,1998 Tri-Forestry permit #16-97-01 "Perrin Camp Sale". Also C32-382: TSI removing ironwood and some marked trees completed in Dec, 1981. Nice timber quality here and is sawlog size. Lower elevation along clearcut trees show some dieback from possible soil compaction during last harvest but most of the stand is healthy and good quality. Some higher BA areas but crown room in most areas. M3 gaps from 1970s harvest 2-4 inches dbh. New M3 regeneration is 3-4' tall and is mostly in the west part of stand. Some feeding by deer but seedlings may escape. Some scarlet elderberry on landings. 2015: regeneration in west part of stand is now 10' + range.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	80	Log/Pole	12	120	Balsam Fir	Trace		Variable	Variable
Basswood	20	Log	13		White Spruce	Trace		Variable	Variable
					Ironwood	Low		Variable	Variable
					Sugar Maple	Medium		Variable	Variable
					Sugar Maple	Low		< 5 feet	< 5 feet
					Sugar Maple	Low		>20 feet	>20 feet
					Wild Red Raspberry	Medium		< 5 feet	< 5 feet
					Black Cherry	Trace		Variable	Variable
					Elderberry	Low	5 - 10 feet	5 - 10 feet	
161	4199 - Other Mixed Upland Deciduous	Poletimber Well	8.6	26	51-80	N/A	This stand is a little higher site than stand to the west, stand 154. Trees are a little larger, just barely a pole stand. (2025)OPIC - FMD: Cut permit #16-97-01 "Perrin Camp Sale" (unit 6) in July, 1998 by Tri-Forestry. Mostly well-stocked A3. Some P2 balsam poplar and some F1/G. 3/4 of stand well-stocked with hardwoods. MO was originally fir, but aspen sprouted vigorously here. The part of the stand not fully stocked has seeded in with fir. Some larger A,P along old skid trail should be harvested with adjacent stand.		
Canopy Species	% Cover	Size Class	DBH	Age					
Quaking Aspen	20	Pole/Sapling	5	26					
Balsam Poplar	70	Sapling/Pole	4	26					
Balsam Fir	5	Pole	8						
White Spruce	4	Pole	8						
Black Cherry	1	Pole/Sapling	5						









Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments													
177	4110 - Sugar Maple Association	Sawtimber Well	11.8	106	111-140	N/A	Trace amount of paper birch and aspen in canopy (2025)OPIC - FMD: Removed aspen and fir under permit #5/76A in 1976. TSI and elm salvage in 1977. Need line work here but should be able to do it. Good potential but a lot of basswood clumps and poor quality to come out. Some sparse areas but most areas need thinning. Underplant hemlock for diversity after harvest by wildlife division.Summer logging restrictions if possible. Stand treated fall of 2009 by Triest under contract # 17-07-01 "Denn's Old Camp Hardwood". 2015: Fairly heavy maple regeneration <2' ht. Raspberry, leatherwood, hazel all noted in understory.													
								Canopy Species	% Cover	Size Class	DBH	Age								
								Sugar Maple	64	Log/Pole	12	106								
								Yellow Birch	3	Log/Pole	12									
								Basswood	30	Log	15									
								White Ash	2	Log/Pole	10									
								White Spruce	1	Log	12									
								Sub-Canopy Species	Density	Avg. Height	Size									
								White Ash	Low	Variable	Variable									
								Leatherwood	Medium	5 - 10 feet	5 - 10 feet									
								Sugar Maple	Trace	Variable	Variable									
								Sugar Maple	Low	Variable	Variable									
Sugar Maple	Low	< 5 feet	< 5 feet																	
Ironwood	Medium	Variable	Variable																	
Balsam Fir	Low	Variable	Variable																	
Balsam Fir	Low	Variable	Variable																	
178	330 - Low-Density Trees	None	2.4			Yes	Leatherwood noted along edges. Cut merchantable timber when adjacent stand is prescribed, esp. if used for access.													
								Sub-Canopy Species	Density	Avg. Height	Size									
								Sugar Maple	Low	>20 feet	>20 feet									
								Balsam Poplar	Medium	10 - 20 feet	10 - 20 feet									
								Balsam Fir	Medium	Variable	Variable									
								White Spruce	Medium	>20 feet	>20 feet									
								Quaking Aspen	Low	Variable	Variable									
								Ironwood	Low	5 - 10 feet	5 - 10 feet									
								179	4130 - Aspen	Poletimber Well	19.9	49	111-140	N/A	Trace amount of red pine, white spruce, paper birch and basswood in canopy. Stand divided into 3 smaller stands. (2025)Mix of species in areas, Hardwood is maple (low quality), white birch and cherry. Some uprooting and blowdown of aspen occurring. M3 understory(sugar maple) in areas, F3 elsewhere most under 2" dbh. Hazel and raspberry, some elderberry, juneberry in the shrub layer. Cut spring, 1976 under permit # 7/76A "Perrin Brothers Road Block".Part of stand cut under Flushing Frog GEMS 32-009-22					
																Canopy Species	% Cover	Size Class	DBH	Age
																Sugar Maple	2	Log/Pole	12	
																Quaking Aspen	95	Pole/Log	9	49
Balsam Fir	3	Pole/Log	8																	
Sub-Canopy Species	Density	Avg. Height	Size																	
Black Cherry	Trace	Variable	Variable																	
Balsam Fir	Medium	Variable	Variable																	
Sugar Maple	Low	Variable	Variable																	
Red Maple	Low	Variable	Variable																	
Ironwood	Low	Variable	Variable																	
Ironwood	Low	Variable	Variable																	
180	4130 - Aspen	Sawtimber Well	31.0	48	111-140	N/A	2015: Some decline in aspen noted. Thick maple regeneration (1-3" dbh) doing well - manage for both A/M or let convert to M. Fringe of older aspen (10-12" dbh) along stand 28 boundary. Heavier S/F, in pockets. OPIC - FMD: Well-stocked 2-4 stick aspen. Fir under 10' tall medium stocked. South is more 4-stick, north is slightly smaller aspen. Raspberry ground cover. Cut in 1976 under permit #5/76A "Bob's Lake West".													
								Canopy Species	% Cover	Size Class	DBH	Age								
								Sugar Maple	3	Pole/Sapling	5									
								Quaking Aspen	85	Log/Pole	10	48								
								Balsam Poplar	5	Log/Pole	10									
								Balsam Fir	2	Pole/Sapling	5									
								White Spruce	3	Log	12									
								Ironwood	2	Pole	5									
								Sub-Canopy Species	Density	Avg. Height	Size									
								White Spruce	Low	Variable	Variable									
								Ironwood	Medium	>20 feet	>20 feet									
								Sugar Maple	Medium	>20 feet	>20 feet									
Balsam Fir	Medium	Variable	Variable																	
Black Cherry	Low	>20 feet	>20 feet																	
Hazelnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet																	



Stand

Level 4 Cover Type

Size Density

Acres

Stand Age

BA Range

Managed Site

General Comments

181

4130 - Aspen

Sawtimber Well

24.1

49

111-140

N/A

Mix of species in areas, Hardwood is maple (low quality), white birch and cherry. Some uprooting and blowdown of aspen occurring. M3 understory(sugar maple) in areas, F3 elsewhere most under 2" dbh. Hazel and raspberry, some elderberry, juneberry in the shrub layer. Cut spring, 1976 under permit # 7/76A "Perrin Brothers Road Block".

Part of stand cut under Flushing Frog GEMS 32-009-22

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	2	Pole/Log	8	
Red Maple	5	Pole/Log	6	
Paper Birch	3	Pole/Log	8	
Quaking Aspen	75	Log/Pole	11	49
Balsam Poplar	5	Log/Pole	11	
Balsam Fir	5	Pole	8	
White Spruce	3	Pole/Log	9	
Black Cherry	2	Log/Pole	11	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Variable
Sugar Maple	Low	Variable	Variable
Red Maple	Low	Variable	Variable

182

4112 - Maple, Beech, Cherry Association

Sawtimber Well

4.5

105

111-140

N/A

More sugar maple seedlings adjacent to private cut on edge of stand.OPIC - FMD: Good quality small stand. Need to do property lines. Most of the nicer trees are on private land here but should thin with adjacent aspen sale. Wait 10 years until adjacent aspen is cut. 2015: Private stand has been thinned and lines are established. Thin with adjacent aspen harvest. Leatherwood ground cover noted as well as heavy princess pine at far east end of stand.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	75	Log/Pole	10	105
Red Maple	23	Log/Pole	11	
Quaking Aspen	2	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Variable
Sugar Maple	Low	Variable	Variable
Ironwood	Low	Variable	Variable

183

4130 - Aspen

Sapling Well

32.6

5

N/A

Trace amount of cherry. (2025)Stand was harvested in 2020.Partial cut 1976. Overmature aspen with spruce, fir. Quite a bit is dead/dying already. Heavier wet areas with cedar/ash swale in stand and thicker fir/spruce along lowland edge. Some maple in stand is scattered low crowned and poor timber quality - harvest all. Falls within GEM's area.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	2	Sapling	1	
Red Maple	3	Sapling	1	
Quaking Aspen	75	Sapling	1	5
Balsam Poplar	20	Sapling	1	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Trace	< 5 feet	< 5 feet

184

629 - Mixed non-forested Wetland

None

9.9

No

OPIC - FMD: Lowland brush mostly alder 8' tall along Bob's creek.

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Trace	10 - 20 feet	10 - 20 feet
Tamarack	Low	>20 feet	>20 feet
Black Spruce	Low	Variable	Variable
Paper Birch	Trace	10 - 20 feet	10 - 20 feet

185

6129 - Mixed Coniferous Lowland Forest

Poletimber Medium

16.0

110

N/A

Very wet and patchy. Falling apart. Red maple saplings filling in.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	3	Pole	6	40
Paper Birch	2	Pole	6	
Black Spruce	25	Pole/Log	8	
Northern White Cedar	40	Pole/Log	9	110
Tamarack	30	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Variable
Black Spruce	Low	Variable	Variable
Red Maple	Medium	Variable	Variable
Paper Birch	Low	Variable	Variable
Tag Alder	High	5 - 10 feet	5 - 10 feet

10

MICHIGAN

10







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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
202	6121 - Tamarack	Poletimber Well	18.5	31	81-110	N/A	OPIC - FMD: Nice pocket of tamarack regeneration. SI from stand 16.7/19/23: Updated to non-OI cover type.Cut in 1983 with the 557 West Block Sale.																																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Paper Birch</td><td>1</td><td>Sapling/Pole</td><td>4</td><td></td></tr><tr><td>Quaking Aspen</td><td>15</td><td>Pole/Sapling</td><td>5</td><td></td></tr><tr><td>Balsam Fir</td><td>5</td><td>Sapling/Pole</td><td>4</td><td></td></tr><tr><td>Black Spruce</td><td>25</td><td>Pole/Sapling</td><td>5</td><td></td></tr><tr><td>Northern White Cedar</td><td>2</td><td>Pole</td><td>8</td><td></td></tr><tr><td>Tamarack</td><td>52</td><td>Pole/Sapling</td><td>5</td><td>31</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	1	Sapling/Pole	4		Quaking Aspen	15	Pole/Sapling	5		Balsam Fir	5	Sapling/Pole	4		Black Spruce	25	Pole/Sapling	5		Northern White Cedar	2	Pole	8		Tamarack	52	Pole/Sapling	5	31	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Black Spruce</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Low	Variable	Variable	Red Maple	Low	Variable	Variable	Black Spruce	Low	Variable	Variable		
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Black Spruce	Low	Variable	Variable																																																							
203	3102 - Grass	None	2.6			Yes	OPIC - FMD: 1990 2.2 ACRES DISC & SEEDED FTP W-32-319 2017 - Disked, fertilized, and planted fall rye along with Hunter Walking Trail (HWT) leading to this opening through portions of stands 201, 205, and 199 (FTP W-32-901).																																																			
204	6122 - Black Spruce	Poletimber Well	8.0	116	51-80	N/A	OPIC - FMD: Essentially a small treed bog.7/19/23: Updated to non-OI cover type.Primarily 1 stick black spruce. Very wet. Trace amount of paper birch and white pipe poles. 2024																																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Spruce</td><td>88</td><td>Sapling/Pole</td><td>4</td><td>116</td></tr><tr><td>Northern White Cedar</td><td>2</td><td>Log/Pole</td><td>10</td><td></td></tr><tr><td>Tamarack</td><td>10</td><td>Sapling/Pole</td><td>4</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	88	Sapling/Pole	4	116	Northern White Cedar	2	Log/Pole	10		Tamarack	10	Sapling/Pole	4		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Black Spruce</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>White Pine</td><td>Trace</td><td>Variable</td><td>Variable</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Low	Variable	Variable	White Pine	Trace	Variable	Variable																					
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205	4130 - Aspen	Sapling Well	29.7	12	Immature	N/A	OPIC - FMD: Well stocked stand of larger aspen with fir, soft maple, and scattered supercanopy white spruce. 2013-harvested by Sanville summer of 2013 under contract # 014-12-01.7/19/23: Updated to non-OI cover type.Trace super canopy white pine.																																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>5</td><td>Sapling</td><td>3</td><td></td></tr><tr><td>Paper Birch</td><td>8</td><td>Sapling</td><td>2</td><td></td></tr><tr><td>Quaking Aspen</td><td>81</td><td>Sapling</td><td>3</td><td>12</td></tr><tr><td>Balsam Fir</td><td>5</td><td>Sapling/Pole</td><td>4</td><td></td></tr><tr><td>Black Cherry</td><td>1</td><td>Sapling</td><td>2</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Sapling	3		Paper Birch	8	Sapling	2		Quaking Aspen	81	Sapling	3	12	Balsam Fir	5	Sapling/Pole	4		Black Cherry	1	Sapling	2		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Sugar Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Variable	Sugar Maple	Medium	Variable	Variable	Red Maple	Medium	Variable	Variable							
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Red Maple	Medium	Variable	Variable																																																							
206	42200 - Natural White Pine	Sawtimber Poor	4.5	126	51-80	N/A	OPIC - FMD: Cut under contract #019-92-01. W7F3T3W3. The stand has regenerated well to fir, white pine , and tamarack saplings, as well as soft maple stump sprouts. All the saplings are 1-2" in dbh and 8-30' tall, with the fir the tallest followed by tamarack, then white pine.7/19/23: Updated to non-OI cover type.White pine overstory. Understory transitioning into pole sized. Very thick good regeneration in understory.																																																			
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Pine</td><td>100</td><td>Log/XLog</td><td>16</td><td>126</td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	White Pine	100	Log/XLog	16	126	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>High</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Black Spruce</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Tamarack</td><td>Trace</td><td>Variable</td><td>Variable</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	White Pine	High	Variable	Variable	Red Maple	Medium	Variable	Variable	Black Spruce	Medium	Variable	Variable	Balsam Fir	Medium	Variable	Variable	Tamarack	Trace	Variable	Variable																			
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207	4130 - Aspen	Sapling Well	37.8	9		N/A	This stand contains a very small gravel pit just south of hardwood stand. (2025)Aspen, red maple, birch, spruce, and fir stand, harvested 12/2016. 2016-Stand cruised and ready for sale. # 32-009--16-01 438 SBW. Cut 12/16,																																																			
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Canopy Species	% Cover	Size Class	DBH	Age																																																						
Sugar Maple	2	Sapling	1																																																							
Paper Birch	10	Sapling	2																																																							
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Sub-Canopy Species	Density	Avg. Height	Size																																																							
Ironwood	Low	< 5 feet	< 5 feet																																																							





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229

6112 - Lowland Aspen

Sapling Poor

14.4

12

Immature

N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	2	
Paper Birch	3	Sapling	2	
Quaking Aspen	45	Sapling	2	12
Balsam Poplar	10	Sapling	2	
Balsam Fir	10	Sapling/Pole	4	
Black Spruce	2	Sapling	2	
Northern White Cedar	10	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	5 - 10 feet

Trace amount of red maple and paper birch in canopy. (2025)OPIC - FMD: Fairly well stocked aspen stand with a good mix of softwood and white birch. Portions of the stand are wetter with more Balm, almost a "P" type. The aspen is big and mature, average dbh is 12"-14". Scattered throughout the stand are large, super-canopy white spruce. Retain all cedar, white pine, and super-canopy spruce. 2012-Sale cut by Minerick under contract # 009-09-01.

230

4130 - Aspen

Poletimber Well

13.0

34

81-110

N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	2	Pole	7	
Quaking Aspen	93	Pole/Sapling	6	34
Balsam Fir	5	Pole/Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Trace	Variable	Variable
Black Cherry	Low	Variable	Variable
American Elm	Trace	Variable	Variable
Balsam Fir	Low	Variable	Variable
Ironwood	Trace	Variable	Variable
Sugar Maple	Medium	Variable	Variable
Red Maple	Low	Variable	Variable
Paper Birch	Low	Variable	Variable

231

4130 - Aspen

Unspecified

28.7

3

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Full	< 5 feet	< 5 feet
Black Spruce	Low	< 5 feet	< 5 feet
Balsam Fir	Low	< 5 feet	< 5 feet

Patches of GEMS timber sale retention. Most balsam fir and saplings standing dead. Smaller and wetter on east side. (2025)2022: Part of stand harvested in Patches of GEMS sale 32-013-19.

232

6122 - Black Spruce

Poletimber Medium

5.5

87

51-80

N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	2	Pole	8	
Paper Birch	5	Log/Pole	10	
Quaking Aspen	15	Log/Pole	10	
Balsam Poplar	15	Log/Pole	14	
Black Spruce	53	Pole	8	87
Northern White Cedar	10	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	Low	Variable	Variable
Balsam Fir	Full	Variable	Variable
Northern White Cedar	Trace	< 5 feet	< 5 feet
Red Maple	Low	Variable	Variable
Tag Alder	Medium	5 - 10 feet	5 - 10 feet

Stand along the river. Leave as buffer. Good cover. Due to its proximity to the river and amount of aspen this should be left as a buffer. (2025)

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
244	4134 - Aspen, Spruce/Fir	Poletimber Well	38.1	64	111-140	N/A	OPIC - FMD: Healthy aspen stand with scattered fir poles.																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>5</td><td>Pole</td><td>8</td><td></td></tr><tr><td>Quaking Aspen</td><td>65</td><td>Log/Pole</td><td>10</td><td>64</td></tr><tr><td>Balsam Fir</td><td>25</td><td>Pole/Sap/Log</td><td>8</td><td></td></tr><tr><td>Black Cherry</td><td>5</td><td>Sapling/Pole</td><td>4</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Pole	8		Quaking Aspen	65	Log/Pole	10	64	Balsam Fir	25	Pole/Sap/Log	8		Black Cherry	5	Sapling/Pole	4		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Sugar Maple</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Sugar Maple	Low	Variable	Variable	Balsam Fir	Medium	Variable	Variable						
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Balsam Fir	Medium	Variable	Variable																																														
245	4134 - Aspen, Spruce/Fir	Unspecified	21.7	5	1-50		OPIC - FMD: Healthy aspen stand with scattered fir poles.2020: Stand harvested in Patches of GEMS sale 32-013-19.																																										
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246	330 - Low-Density Trees	None	2.2			Yes	Opening filling in with cherry, balsam and red maple. North end almost filled in. (2025)OPIC - FMD: Narrow opening filling in.																																										
247	6120 - Lowland Cedar	Poletimber Well	354.7	160	171-200	N/A	Very wet stand. Trace amounts of hemlock, balsam poplar and paper birch in the canopy. (2025)Very wet. Potential harvest only drought or deep freeze to muck. Edges may be harvested before deep wet mucks. Slopes to low. Observed west end near stand 66 too, very wet, alder here. Trail not passable.South end trail to 37 could not find, overgrown .																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Black Spruce</td><td>2</td><td>Pole/Log</td><td>9</td><td></td></tr><tr><td>Northern White Cedar</td><td>96</td><td>Pole/Log/Sap</td><td>6</td><td>160</td></tr><tr><td>Tamarack</td><td>2</td><td>Pole/Log</td><td>9</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	2	Pole/Log	9		Northern White Cedar	96	Pole/Log/Sap	6	160	Tamarack	2	Pole/Log	9		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Alder</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Paper Birch</td><td>Trace</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Variable	Alder	Low	5 - 10 feet	5 - 10 feet	Paper Birch	Trace	Variable	Variable							
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Paper Birch	Trace	Variable	Variable																																														
248	4110 - Sugar Maple Association	Sawtimber Well	4.3	104	141-170	N/A	Trace amount of yellow birch (2025)OPIC - FMD: This stand drops quickly to a large cedar swamp on the west with a fringe of spruce/fir on the east fading to a natural opening. Scattered upland cedar and yellow birch throughout.																																										
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249	3102 - Grass	None	8.2			Yes	Bam encroaching on edges. Balsam fir, spruce, cherry, and maple filling in. (2025)2015 - Planted 17 chestnut crabapples and 18 whitney crabapples with enclosures in this opening. OPIC - FMD: Narrow natural opening with scattered spruce/fir.Planted saplings doing well, over-topped fences. White pine, fir open growing. Fern, grass, berry mix.																																										



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Stand

Level 4 Cover Type

Size Density

Acres

Stand Age

BA Range

Managed Site

General Comments

254

4136 - Aspen, Mixed Conifer

Sapling Well

18.6

2

N/A

OPIC - FMD: Aspen poles and saplings with fir, jack pine, spruce poles, and scattered white pine sawtimber over fir, red and white pine, and jack pine seedlings and saplings. The stand is fully stocked and just starting to transition from a sapling stand to a pole stand.7/19/23: Updated to non-OI cover type.Trace amount of jack pine and paper birch. 2024

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	1	
Quaking Aspen	52	Sapling	1	2
Balsam Fir	15	Sapling	1	
Black Spruce	1	Sapling	1	
White Pine	7	Log	16	
White Pine	1	Sapling	2	
Red Pine	1	Sapling	2	
Red Pine	3	Log	16	

255

4110 - Sugar Maple Association

Poletimber Well

8.7

64

81-110

N/A

OPIC - FMD: Small patch of primarily sugar maple. Site quality is good, but regeneration from the last cutting is essentially non-existent except for a few fir and ironwood. Stand 66 is very similar.2020: Stand harvested in Patches of GEMS sale 32-013-19, treatment was "Thin for timber stand improvement: Thin hardwood poles to increase quality. Cut aspen to regenerate and capture mortality. Retain some large over-mature aspen for wildlife".

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	95	Log/Pole	10	64
Quaking Aspen	5	Log/XLog	14	

Sub-Canopy Species	Density	Avg. Height	Size
Leatherwood	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	Variable	Variable

256

4112 - Maple, Beech, Cherry Association

Poletimber Well

7.5

187

81-110

N/A

Chapter 7 approved and filed on 5/24/19 to treat this stand out of YOE with adjoining stand 255. Average of 130+ BA. South and east edge of the stand is dense to maple saplings and sparse small sawlog sized trees, sapling area was excluded from treatment.OPIC - FMD: Small patch of primarily sugar maple. Site quality is good, but regeneration from the last cutting is essentially non-existent except for a few fir and ironwood. There is a frindge of M3 possibly from an old wildlife cutting which occurred in the 70's?West side stocked better, but east and south sparse stocking. Good sapling recruitment on east side of stand. Access trail has deep ruts, holding water. Trail heading east out of stand very wet, impassable now.2025: Part of the stand harvested in Patches of GEMS sale 32-013-19, treatment was "thin for timber stand improvement: Thin hardwood poles to increase quality. Cut aspen to regenerate and capture mortality. Retain some large over-mature aspen for wildlife."

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	60	Log/Pole	12	187
Red Maple	30	Log/Pole	12	
Yellow Birch	5	Log/Pole	10	
Balsam Fir	5	Pole/Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Variable
Sugar Maple	Medium	10 - 20 feet	10 - 20 feet
Red Maple	Low	10 - 20 feet	10 - 20 feet

257

4130 - Aspen

Unspecified

40.9

3

Immature

OPIC - FMD: Nice aspen with scattered fir poles. Hunter walking trail within the stand. Last mowed in 1989. Lots of downed trees across the trail.2025: West side of the road harvested in 2021, east side harvested in 2025. Stand harvested in Patches of GEMS sale 32-013-19.

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Variable
White Spruce	Low	< 5 feet	< 5 feet
Northern White Cedar	Low	>20 feet	>20 feet
Quaking Aspen	Full	< 5 feet	< 5 feet

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MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																
282	4110 - Sugar Maple Association	Sawtimber Well	45.2	187	111-140	N/A	OPIC - FMD: High site quality. Stand is predominantly sugar maple and basswood with an occasional white birch and upland cedar. Transitioning to M9. Only a few regen gaps from previous treatment but those gaps have good regeneration. Marking will be limited to sugar maple stems, retaining all the minor species ie. basswood, w. birch, cedar, white pine, hemlock. 2009-Stand treated under contract # 008-09-01 by Gartland.																																																																
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283	4130 - Aspen	Poletimber Well	5.4	34	51-80	N/A	OPIC - FMD: A3 2" dbh, 25-30' tall. 12/2016: Aspen stand 3" DBH. Sugar maple regeneration patches.																																																																
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284	4130 - Aspen	Poletimber Well	20.7	22	51-80	N/A	Trace amount of red maple in canopy. Sugar maple saplings thicker adjacent to hardwood stand. (2025)OPIC - FMD: Cut 2002 permit#11-99-01 LaFleur.																																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																								
297	4130 - Aspen	Poletimber Well	43.3	41	Unspecified	N/A	OPIC - FMD: AREA CUT 1984 PERMIT NO. 24-82-1. THERE ARE A FEW AREAS THAT DID NOT REGENERATE WELL. 2010- Short, off site Aspen saplings with a few poles. Dry mesic site. Approximately 50% of the stand is in aspen, with conifers the remainder. Conifer content consists of a blend of white pine, red pine, jack pine and white spruce. Pockets of dense jack pine saplings.7/19/23: Updated to non-OI cover type.Bill Rollo GEM Management Plan:Stand rotation 2047 YOЕ.																																																																																								
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298	3102 - Grass	None	4.4			Yes	OPIC - FMD: 1980--DISC & SEEDED ACTUAL ACRES 3.2 FTP W-32-322																																																																																								
299	4136 - Aspen, Mixed Conifer	Poletimber Well	42.4	41	51-80	N/A	OPIC - FMD: AREA CUT 1984 PERMIT NO. 24-82-1. THERE ARE A FEW AREAS THAT DID NOT REGENERATE WELL. 2010- Short, off site Aspen saplings with a few poles. Dry mesic site. Approximately 50% of the stand is in aspen, with conifers the remainder. Conifer content consists of a blend of white pine, red pine, jack pine and white spruce. Pockets of dense jack pine saplings.7/19/23: Updated to non-OI cover type.Trace amount of red pine poles. (2024)																																																																																								
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300	6120 - Lowland Cedar	Poletimber Well	22.5	138	111-140	N/A	OPIC - FMD: SCA Cedar poles with associated swamp conifers. The stand borders Wilson Creek. Former potential old growth, retain as an SCA to protect the riparian values along the creek.7/19/23: Updated to non-OI cover type.Small cedar. Very wet. Cedar are leaning in every direction. Short trees. Basal area variable.																																																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																		
308	42290 - Natural Mixed Pine	Sawtimber Well	9.0	91	141-170	N/A	OPIC - FMD: Aspen poles and saplings with fir, jack pine, spruce poles, and scattered white pine sawtimber over fir, red and white pine, and jack pine seedlings and saplings.SF 2024: Long term retention and bmp exclusion of surrounding parent aspen stand cut in c.2023																																																																		
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309	4199 - Other Mixed Upland Deciduous	Poletimber Well	20.8	42	81-110	N/A	Variable basal area. A few patchy open areas. (2025)Island of hardwood within aspen type. Thinned in 1977, and 1985 under permit #027-83 "North Branch Block". Trace fir, hemlock.																																																																		
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>27</td><td>Pole</td><td>7</td><td></td></tr><tr><td>Balsam Poplar</td><td>65</td><td>Pole</td><td>6</td><td>42</td></tr><tr><td>Balsam Fir</td><td>2</td><td>Pole</td><td>6</td><td></td></tr><tr><td>Black Spruce</td><td>2</td><td>Pole</td><td>5</td><td></td></tr><tr><td>Tamarack</td><td>2</td><td>Pole/Sapling</td><td>6</td><td></td></tr><tr><td>Black Cherry</td><td>2</td><td>Pole/Sapling</td><td>5</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	27	Pole	7		Balsam Poplar	65	Pole	6	42	Balsam Fir	2	Pole	6		Black Spruce	2	Pole	5		Tamarack	2	Pole/Sapling	6		Black Cherry	2	Pole/Sapling	5		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Spruce</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Balsam Poplar</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Black Cherry</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Sugar Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Maple</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Wild Red Raspberry</td><td>Medium</td><td>< 5 feet</td><td>< 5 feet</td></tr><tr><td>Balsam Fir</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	White Spruce	Low	Variable	Variable	Balsam Poplar	Medium	Variable	Variable	Black Cherry	Low	Variable	Variable	Sugar Maple	Medium	Variable	Variable	Red Maple	Low	Variable	Variable	Wild Red Raspberry	Medium	< 5 feet	< 5 feet	Balsam Fir	Low	Variable	Variable			
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310	4136 - Aspen, Mixed Conifer	Sapling Well	4.9	12		N/A	Cut in 2011. Trace amount of cherry, red oak, and paper birch.																																																																		
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312	330 - Low-Density Trees	None	7.2			No	OPIC - FMD: CK 2000Open area filling in with mostly cherry, red pine, white pine, aspen and spruce saplings and poles. Trace amount of tamarack.																																																																		
313	122 - Road/Parking Lot	None	19.5			No	CR 438																																																																		
314	42110 - Planted Red Pine	Poletimber Well	6.6	43	111-140	N/A	OPIC - FMD: Machine planted in 1982. Stand is now a fully stocked 1-2 stick pole stand. 7/19/23: Updated to non-OI cover type.																																																																		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
315	4199 - Other Mixed Upland Deciduous	Sapling Well	18.9	9	Immature	N/A	Cut in 2016, 438 SBW timber sale. Trace amount of super canopy white pine and sugar maple. Canopy closure around 75%. (2025)																																																						
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316	4130 - Aspen	Sapling Well	7.9	2		N/A	OPIC - FMD: Cut in 1983, the stand is transitioning to an A6 pole stand. It is fully stocked, with 1-2 stick poles over well stocked aspen saplings.																																																						
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317	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	12.3	45	81-110	N/A	OPIC - FMD: A3,A5, 2-5" DBH, 15-25 FT TALL. CUT IN 1979-80 , 2017 - The hunter walking trail (HWT) in this stand (317; and through stands 296, 295, 294, and 297) leading to an opening (stand 298) was gated to prevent vehicular access.Trace tamarack and red pine poles																																																						
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318	3102 - Grass	None	1.4			Yes	2015 - Planted hunter walking trail to clover. Planted 9 dolgo crabapples. 2014 - installe gate, planted 50 crabapples, 5 apple trees, 10 nannyberry, 5 red oak, 4 mountain ash. Mowed hunter walking trail. OPIC - FMD: High volume high quality aspen stand. East part of stand is almost pure aspen, west portion contains the mix of the other species. This part also contains pockets of fairly good maple regeneration. Due to the proximity to another final harvest in the adjacent compartment, harvesting plans will be modified to satisfy "green up" requirements for certification. 2008- That portion of the stand west of PBR is not included in the sale and will serve as retention. "Green up" requirements for certification (see above comments) have been satisfied with the rapid growth of aspen regeneration on the adjacent sale so the sale does not need to be modified along the northern boundary. 2011-Treated by Minerick under contract # 01-08-01. Fully regenerated to aspen. 2016 inventory: Super-canopy of white and yellow birch residual. Fully stocked aspen stand, 7' tall.																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																												
319	4130 - Aspen	Sapling Well	5.9	2		N/A	OPIC - FMD: Cut in 1983, the stand is transitioning to an A6 pole stand. It is fully stocked, with 1-2 stick poles over well stocked aspen saplings. 2016 - The hunter walking trail (HWT) in this stand (201) leading to an opening (stand 203) was gated to prevent vehicular access. 2017 - The HWT and opening (stand 203) were herbicided, disked, fertilized, and planted to rye. The intent is to continue a planting regime of rye until it is deemed acceptable to plant annual cover crops. (FTP # W-32-901) Cut in 2024 under Flushing Frog GEMS Sale, 32-009-22 (1).																																																												
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>5</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Quaking Aspen</td><td>77</td><td>Sapling</td><td>1</td><td>2</td></tr><tr><td>Balsam Fir</td><td>5</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Northern White Cedar</td><td>5</td><td>Pole</td><td>8</td><td></td></tr><tr><td>White Pine</td><td>8</td><td>Log/Pole</td><td>16</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Sapling	1		Quaking Aspen	77	Sapling	1	2	Balsam Fir	5	Sapling	1		Northern White Cedar	5	Pole	8		White Pine	8	Log/Pole	16																															
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320	4112 - Maple, Beech, Cherry Association	Sawtimber Well	13.9	100	81-110	N/A	Thinned in 2020.OPIC - FMD: Cut permit #15-97-01 "Twin Porkies Sale" (unit 1 - 3) by K&K. logging in 1998. Good quality stand in most areas but about 1/3 of stand is red maple and poorer quality, but still OK for hardwood management. Some areas were left with a higher BA but most areas are 80-100 sq.ft. and no thinning is recommended at this time. Good regeneration in sugar maple areas getting up to 6 feet tall. 2015: Stand could almost be split into two different stands - south end contains higher ridge with very nice sugar maple logs, with some basswood, ironwood, birch and cherry. Some maple regeneration starting. Leatherwood also present here. North end (including Perrin Bros Road edge) transitions into slightly lower grounds with more mixed species; heavier fir/spruce component, some aspen, and lower quality maple. Ground cover changes to club moss, princess pine. Budworm evidence along road.																																																												
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Sugar Maple</td><td>20</td><td>Log/Pole</td><td>12</td><td></td></tr><tr><td>Red Maple</td><td>79</td><td>Log/Pole</td><td>12</td><td>100</td></tr><tr><td>Basswood</td><td>1</td><td>Log</td><td>15</td><td></td></tr></table> <table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Spruce</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Black Cherry</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Quaking Aspen</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Ironwood</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Sugar Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Sugar Maple</td><td>Low</td><td>< 5 feet</td><td>< 5 feet</td></tr><tr><td>Red Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>Wild Red Raspberry</td><td>Medium</td><td>< 5 feet</td><td>< 5 feet</td></tr><tr><td>Balsam Fir</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	20	Log/Pole	12		Red Maple	79	Log/Pole	12	100	Basswood	1	Log	15		Sub-Canopy Species	Density	Avg. Height	Size	White Spruce	Low	Variable	Variable	Black Cherry	Low	Variable	Variable	Quaking Aspen	Low	Variable	Variable	Ironwood	Low	Variable	Variable	Sugar Maple	Medium	Variable	Variable	Sugar Maple	Low	< 5 feet	< 5 feet	Red Maple	Medium	Variable	Variable	Wild Red Raspberry	Medium	< 5 feet	< 5 feet	Balsam Fir	Low	Variable	Variable
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323	6120 - Lowland Cedar	Poletimber Well	174.6	118	51-80	N/A	OPIC - FMD: CK 2000Very wet with varying levels of marketability. For the most part too wet to harvest and low merchantability. Very variable BA and patchy. Trace amount of log sized white pine and pole sized birch and red maple.																																																												
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324	6121 - Tamarack	Poletimber Well	10.8	41	81-110	N/A	Trace amount of birch, aspen and white pine.AREA CUT 1984 PERMIT NO. 24-82-1. (2024)																																																												
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325	42210 - Natural Red Pine	Sawtimber Well	5.0	91	81-110	N/A	Pine over aspen, fir and red maple. Understory cut in 2011. 2024. New pine stand.																																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
326	4130 - Aspen	Poletimber Well	6.5	32	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch		5	Pole/Sapling	5		Black Spruce	Trace	Variable	Variable
Quaking Aspen		80	Pole/Sapling	7	32	Ironwood	Medium	Variable	Variable
Balsam Poplar		10	Pole	8		Balsam Fir	Medium	Variable	Variable
Balsam Fir		2	Pole	6		Sugar Maple	Low	Variable	Variable
White Pine		1	XLog/Log	19		Red Maple	High	Variable	Variable
Black Cherry		2	Pole/Sapling	5		Paper Birch	Low	Variable	Variable
327	4130 - Aspen	Poletimber Well	7.2	34	81-110	N/A	Trace amount of tamarack, elm, paper birch and sugar maple.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		96	Pole/Sapling	6	34	Balsam Fir	Low	Variable	Variable
Balsam Fir		3	Pole	8		Sugar Maple	Medium	10 - 20 feet	10 - 20 feet
White Spruce		1	Pole	8		Red Maple	Low	Variable	Variable
328	6120 - Lowland Cedar	Poletimber Well	8.8	98	141-170	N/A	Primarily cedar stand next Wilson Creek. Stand transitions to upland on north edge. BA decreases in upland transition.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		3	Log/Pole	11		Balsam Fir	Medium	>20 feet	>20 feet
Yellow Birch		1	Log/Pole	12		Red Maple	Low	Variable	Variable
Paper Birch		1	Log/Pole	10		Tag Alder	Low	5 - 10 feet	5 - 10 feet
Quaking Aspen		1	Log/Pole	10		Black Spruce	Low	5 - 10 feet	5 - 10 feet
Black Spruce		20	Pole/Log	9	67				
Northern White Cedar		60	Log/Pole	10	98				
Tamarack		2	Log/Pole	10					
White Pine		10	Log/Pole	14					
Black Ash		2	Pole	9					
329	6122 - Black Spruce	Poletimber Well	46.0	78	81-110	N/A	Trace amount of large white spruce. Far south end is a little thinner with some blowdown. I did not observe any streams or buffers needed for any adjacent streams. (2025)		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		5	Pole	7		White Pine	Trace	Variable	Variable
Paper Birch		3	Pole/Log	9		Black Spruce	Low	Variable	Variable
Quaking Aspen		1	Log/Pole	10		Balsam Fir	Medium	Variable	Variable
Balsam Poplar		2	Pole/Log	8		Tamarack	Trace	Variable	Variable
Black Spruce		66	Pole	7	78	Red Maple	Low	Variable	Variable
Northern White Cedar		10	Pole/Log	9		Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Tamarack		10	Pole	7					
White Pine		3	Log/Pole	16					



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
339	4110 - Sugar Maple Association	Sawtimber Well	16.2	120	111-140	N/A	This stand was once much larger but most now falls into an MWR stand.OPIC - FMD: Thinned Dec, 1997 - June,1998 Tri-Forestry permit #16-97-01 "Perrin Camp Sale". Also C32-382: TSI removing ironwood and some marked trees completed in Dec, 1981. Nice timber quality here and is sawlog size. Lower elevation along clearcut trees show some dieback from possible soil compaction during last harvest but most of the stand is healthy and good quality. Some higher BA areas but crown room in most areas. M3 gaps from 1970s harvest 2-4 inches dbh. New M3 regeneration is 3-4' tall and is mostly in the west part of stand. Some feeding by deer but seedlings may escape. Some scarlet elderberry on landings. 2015: regeneration in west part of stand is now 10' + range.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		90	Log/Pole	13	120	Sugar Maple		High	Variable	Variable
Basswood		10	Log/XLog	15		Sugar Maple		Low	< 5 feet	< 5 feet
340	4110 - Sugar Maple Association	Sawtimber Well	22.6	106	111-140	N/A	Trace amount of cedar. (2025)10/19/2017 - Small wildlife opening was mapped to allow comments to be made as WLD performs habitat work in the stand."North Branch Block" #24/76A - select cut 1977 (removing mostly elm) and "Bryan Creek Sale" #024-96 - select cut summer, 1999. Stain, forks, seams, cankers and breakage all noted. Trace fir, hemlock. Raspberry, burdock noted. FTP W32-590: Underplanted 7,900 hemlock 9/25/2001.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		98	Log/Pole	12	106	Ironwood		Low	Variable	Variable
Basswood		2	Log/XLog	16		Sugar Maple		Medium	Variable	Variable
						Sugar Maple	Low	>20 feet	>20 feet	
341	3102 - Grass	None	1.2			Yes	Hunter walking trail ("Elizabeth's Trail") maintained annually by mowing and/or cultivation since 2015.			
342	3102 - Grass	None	3.0			Yes	Hunter walking trail within the stand. Mowed in 2019, 2021; cultivated in 2022, 2023, 2024.			
343	6120 - Lowland Cedar	Sawtimber Well	22.0	100	141-170	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		10	Pole/Log	8		Black Spruce		Low	Variable	Variable
Yellow Birch		1	Pole	8		Balsam Fir		Low	Variable	Variable
Black Spruce		10	Pole	8						
Northern White Cedar		79	Log/Pole	13	100					





Stand	Level 4 Cover Type	Size	Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																																			
352	3102 - Grass		None	3.5			Yes	Hunter walking trail developed in 2022 and cultivated again in 2023.																																																																																																			
353	6220 - Alder/Willow		None	74.2			No	Tag alder and willow. Contains Bryan Creek.																																																																																																			
354	330 - Low-Density Trees		None	2.9			Yes	OIPC-WLD: Maintain wildlife opening. Roller chop to discourage brush and saplings from encroachmentRest absorbed into surrounding stand.																																																																																																			
355	310 - Herbaceous Openland		None	1.3			Yes	Filling in with some BAM, cherry, fir, aspen and spruce. (2025)OPIC - FMD: Maintain wildlife opening. Roller-chop to discourage brush and saplings from encroachment. OI Stand Year Origin was																																																																																																			
356	4110 - Sugar Maple Association	Poletimber Well		3.7	105	81-110	N/A	Thinned in 2020.																																																																																																			
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357	500 - Water		None	2.8			No	Small bog pond (2025)																																																																																																			
358	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well		15.0	97	81-110	N/A	Balsam fir almost all dead. 75% canopy closure. Aspen, BAM, balsam fir falling out. (2025)																																																																																																			
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Stand

Level 4 Cover Type

Size Density

Acres

Stand Age

BA Range

Managed Site

General Comments

360

4130 - Aspen

Poletimber Well

25.7

40

Unspecified

N/A

"North Branch Block" #027-83 - cut with adjacent compartment 56 ~ 1985. Trace amount of fir present. Some pockets of stem breakage; hypoxylon present. Stand is transitioning from saplings to poles.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	70	Pole	6	40
Balsam Poplar	30	Pole/Sapling	5	40

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	10 - 20 feet	10 - 20 feet
Balsam Poplar	Medium	5 - 10 feet	5 - 10 feet
Black Cherry	Low	10 - 20 feet	10 - 20 feet
Balsam Fir	Low	Variable	Variable
Blackberry/Raspberry	Medium	< 5 feet	< 5 feet
Paper Birch	Low	10 - 20 feet	10 - 20 feet
Hazelnut (Beaked)	Medium	< 5 feet	< 5 feet
Maple (spp.)	Low	10 - 20 feet	10 - 20 feet

361

330 - Low-Density Trees

None

2.8

Yes

Stand filling in with cherry, white spruce, bam and balsam fir.2015 - Planted 17 chestnut crabapples and 18 whitney crabapples with enclosures in this opening. OPIC - FMD: Narrow natural opening with scattered spruce/fir.Planted saplings doing well, over-topped fences. White pine, fir open growing. Fern, grass, berry mix.

362

4110 - Sugar Maple Association

Sawtimber Well

6.8

106

111-140

N/A

"North Branch Block" #24/76A - select cut 1977 (removing mostly elm) and "Bryan Creek Sale" #024-96 - select cut summer, 1999. Stain, forks, seams, cankers and breakage all noted. Trace fir, hemlock. Raspberry, burdock noted. FTP W32-590: Underplanted 7,900 hemlock 9/25/2001.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	98	Log/Pole	12	106
Basswood	2	Log/XLog	16	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Low	Variable	Variable
Sugar Maple	Medium	Variable	Variable
Sugar Maple	Low	>20 feet	>20 feet

363

4139 - Aspen, Mixed Deciduous

Sapling Well

15.8

17

Immature

N/A

Marbled upland stand/lowland stand. Fir areas have little regen but area is very small. A few sparse older trees. (2025)

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	2	Sapling/Pole	4	
Red Maple	10	Sapling	3	
Paper Birch	10	Sapling	2	
Quaking Aspen	40	Sapling	2	17
Balsam Poplar	31	Sapling	2	
Balsam Fir	2	Sapling/Pole	3	17
Black Cherry	5	Sapling/Pole	3	

Sub-Canopy Species	Density	Avg. Height	Size
Wild Red Raspberry	Low	< 5 feet	< 5 feet

371

6225 - Bog

None

1.2

No

Bog with sparse pole and sapling sized black spruce and cedar.

372

6122 - Black Spruce

Sapling Well

16.1

35

Unspecified

N/A

Two ages here but not 20 years apart. Older strips are more well stocked with some poles present. Older strips are 3-4 inches in diameter and younger strips are 2-3 inches in diameter. 75% canopy closure (2025)First strip cut in 1990 with the original uncut strips harvested in 2005. Access blocked by high water. OIPC comments show the strips cut in 1990 are well-stocked 2-6' B. spruce,tamarack and some W.Pine.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	90	Sapling/Pole	3	35
Northern White Cedar	5	Pole/Log	9	
Tamarack	5	Sapling	3	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	Variable	Variable
Black Spruce	Medium	Variable	Variable
Northern White Cedar	Low	< 5 feet	< 5 feet





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
379	4130 - Aspen	Sapling Well	16.2	23	1-50	N/A	OPIC - FMD: Former white birch, aspen, and red and white pine stand. Stand was treated with a seed tree cut in 2001and 2002 by Usher under permit #007-98-01. 2016-There is a fair amount of white birch regen 5-15' tall especially on disturbed soil areas, but much of the stand has regenerated to quaking and bigtooth aspen.																																																															
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380	42210 - Natural Red Pine	Poletimber Well	8.7	75	81-110	N/A	OPIC - FMD: Former white birch, aspen, and red and white pine stand. Stand was treated with a seed tree cut in 2001and 2002 by Usher under permit #007-98-01. 2016-There is a fair amount of white birch regen 5-15' tall especially on disturbed soil areas, but much of the stand has regenerated to quaking and bigtooth aspen.																																																															
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382	6122 - Black Spruce	Poletimber Well	16.8	45	51-80	N/A	Trace amount of cherry poles. Spruce slightly older as it was advance regeneration and designated to be protected when stand was last cut. This stand was originally part of 274 but was split off (2025)OPIC - FMD: CUT PERMIT 32-89-01; Semi open with clumps of spruce/fir. Decent aspen regeneration on the west side..																																																															
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384	6121 - Tamarack	Poletimber Poor	9.8	90		N/A	Very wet and patchy. Trace amount of white pine in canopy.																																																															
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390	6139 - Mixed Lowland Forest	Poletimber Medium	10.1	37	Unspecified	N/A	Cut with stand to south but this is wetter and slower growing. (2025)																																																							
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391	4130 - Aspen	Poletimber Well	15.4	27	Unspecified	N/A	"Bryan Creek Sale" #024-96 (unit 1,2) - cut July, 1998. Some lowland aspen, tamarack along lower edges of stand. Some red maple saplings.																																																							
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392	330 - Low-Density Trees	None	2.0			No	Open area filling in with spruce, fir, cherry and aspen. (2025)																																																							
393	4130 - Aspen	Poletimber Well	41.1	34	51-80	N/A	2" aspen saplings with occasional large white pine. Treated under contract # 35-85-01.																																																							
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395	4190 - Mixed Upland Deciduous with Cedar	Sawtimber Well	14.1	70	111-140	N/A																																																								
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Sub-Canopy Species	Density	Avg. Height	Size																																																											
Red Maple	Medium	Variable	Variable																																																											
White Pine	Trace	< 5 feet	< 5 feet																																																											
Black Spruce	Low	Variable	Variable																																																											



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
413	3102 - Grass	None	1.5			Yes	OPIC - FMD: Natural opening along Co Rd 438Managed opening: cultivated in 2016, 2017; mowed in 2018, 2019, 2020, 2021; cultivated in 2022, 2023, 2024.