

APPENDIX H. DISTURBANCES AND FRAGMENTATION OF WILDLIFE HABITAT

Table 1. Mineral Development Land Categorization Proposed in Mule Deer Overall Habitat

| Oil and Gas Development | | | | | | |
|--|---------------|-----------------|-----------------|----------------|---------------------------------------|----------------|
| | Proposed RMP | Alternative A* | Alternative B* | Alternative C* | Alternative D (No Action Alternative) | Alternative E* |
| Standard Stipulation | 824,429 (44%) | 1,081,950 (58%) | 1,223,754 (66%) | 919,844 (49%) | 917,636 (54%) | 782,971 (42%) |
| Timing and Controlled Surface Use | 777,539 (42%) | 664,264 (36%) | 555,025 (30%) | 677,370 (36%) | 582,623 (35%) | 664,542 (36%) |
| No Surface Occupancy | 83,416 (4%) | 46,353 (2%) | 31,654 (2%) | 37,706 (2%) | 135,302 (8%) | 46,777 (3%) |
| No Leasing | 177,376 (10%) | 70,413 (4%) | 52,547 (3%) | 228,060 (12%) | 52,547 (3%) | 366,511 (20%) |
| Other Minerals (Open) | | | | | | |
| Mineral Material | 389,668 (87%) | 424,810 (94%) | 434,727 (97%) | 390,473 (87%) | 422,877 (94%) | 344,561 (77%) |
| Phosphate | 75,466 (83%) | 86,981 (96%) | 86,982 (96%) | 62,829 (69%) | 83,856 (93%) | 51,321 (56%) |
| Gilsonite | 1,666 (98%) | 838 (100%) | 840 (99%) | 834 (98%) | 817 (100%) | 789 (93%) |

*Includes land categorization for the Hill Creek Extension (Standard Stipulation: 160,998 acres, Timing & Controlled Surface Use: 29,832 acres).

Table 2. Mineral Development Land Categorization Proposed In Mule Deer Crucial Winter Range Habitat

| Oil and Gas Development | | | | | | |
|--|---------------------|-----------------------|-----------------------|-----------------------|--|-----------------------|
| | Proposed RMP | Alternative A* | Alternative B* | Alternative C* | Alternative D (No Action Alternative) | Alternative E* |
| Standard Stipulation | 28 (0.01%) | 0 (0%) | 0 (0%) | 0 (0%) | 169,394 (50%) | 0 (0%) |
| Timing and Controlled Surface Use | 305,867 (82%) | 344,153 (93%) | 346,085 (93%) | 312,705 (84%) | 127,612 (37%) | 270,021 (72%) |
| No Surface Occupancy | 10,272 (3%) | 8,374 (2%) | 9,217 (2%) | 6,395 (2%) | 28,477 (8%) | 6,272 (2%) |
| No Leasing | 54,814 (15%) | 19,148 (5%) | 16,373 (4%) | 52,575 (14%) | 16,368 (5%) | 94,775 (26%) |
| Other Minerals (Open) | | | | | | |
| Mineral Material | 117,184 (85%) | 132,201 (95%) | 132,328 (95%) | 121,481 (87%) | 132,152 (95%) | 105,962 (76%) |
| Phosphate | 58,384 (87%) | 64,307 (95%) | 64,309 (95%) | 41,192 (61%) | 62,299 (92%) | 35,276 (52%) |
| Gilsonite | 258 (100%) | 129 (100%) | 129 (100%) | 129 (100%) | 129 (100%) | 129 (100%) |

*Includes land categorization for the Hill Creek Extension (Standard Stipulation: 160,998 acres, Timing & Controlled Surface Use: 29,832 acres).

Table 3. Mineral Development Land Categorization Proposed in Mule Deer Migration Corridor Habitat

| Oil and Gas Development | | | | | | |
|--|---------------------|-----------------------|-----------------------|-----------------------|--|-----------------------|
| | Proposed RMP | Alternative A* | Alternative B* | Alternative C* | Alternative D (No Action Alternative) | Alternative E* |
| Standard Stipulation | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 4,668 (10%) | 0 (0%) |
| Timing and Controlled Surface Use | 47,091 (100%) | 47,090 (100%) | 47,090 (100%) | 42,869 (91%) | 40,945 (87%) | 42,868 (91%) |
| No Surface Occupancy | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 1,477 (3%) | 0 (0%) |
| No Leasing | 0 (0%) | 0 (0%) | 0 (0%) | 4,221 (9%) | 0 (0%) | 4,225 (9%) |
| Other Minerals (Open) | | | | | | |
| Mineral Material | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Phosphate | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Gilsonite | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |

*Includes land categorization for the Hill Creek Extension (Standard Stipulation: 160,998 acres, Timing & Controlled Surface Use: 29,832 acres).

Table 4. Mineral Development Land Categorization Proposed In Rocky Mountain Elk Overall Habitat

| Oil and Gas Development | | | | | | |
|--|---------------------|-----------------------|-----------------------|-----------------------|--|-----------------------|
| | Proposed RMP | Alternative A* | Alternative B* | Alternative C* | Alternative D (No Action Alternative) | Alternative E* |
| Standard Stipulation | 321,433 (28%) | 448,471 (40%) | 574,923 (51%) | 390,428 (34%) | 463,704 (46%) | 317,256 (28%) |
| Timing and Controlled Surface Use | 586,641 (52%) | 606,289 (54%) | 494,851 (44%) | 520,524 (46%) | 414,245 (41%) | 484,097 (43%) |
| No Surface Occupancy | 48,284 (4%) | 16,727 (1%) | 12,337 (1%) | 10,711 (1%) | 74,971 (7%) | 14,729 (1%) |
| No Leasing | 178,614 (16%) | 61,383 (5%) | 50,760 (4%) | 211,208 (19%) | 50,750 (5%) | 316,055 (28%) |
| Other Minerals (Open) | | | | | | |
| Mineral Material | 224,303 (84%) | 255,461 (96%) | 259,570 (97%) | 222,187 (83%) | 233,229 (87%) | 186,244 (70%) |
| Phosphate | 73,530 (85%) | 83,177 (96%) | 83,553 (96%) | 60,656 (70%) | 80,052 (93%) | 50,642 (59%) |
| Gilsonite | 558 (98%) | 297 (100%) | 297 (99%) | 293 (98%) | 295 (98%) | 288 (95%) |

*Includes land categorization for the Hill Creek Extension (Standard Stipulation: 160,998 acres, Timing & Controlled Surface Use: 29,832 acres).

Table 5. Mineral Development Land Categorization Proposed In Rocky Mountain Elk Crucial Winter Range Habitat

| Oil and Gas Development | | | | | | |
|--|---------------------|-----------------------|-----------------------|-----------------------|--|-----------------------|
| | Proposed RMP | Alternative A* | Alternative B* | Alternative C* | Alternative D (No Action Alternative) | Alternative E* |
| Standard Stipulation | 185 (0.1%) | 67,688 (19%) | 67,688 (19%) | 67,688 (19%) | 129,926 (45%) | 3 (0%) |
| Timing and Controlled Surface Use | 269,022 (74%) | 250,181 (68%) | 252,886 (69%) | 193,400 (53%) | 97,291 (34%) | 241,237 (66%) |
| No Surface Occupancy | 14,384 (4%) | 3,150 (1%) | 3,905 (1%) | 976 (<1%) | 18,071 (6%) | 861 (<1%) |
| No Leasing | 82,042 (22%) | 44,514 (12%) | 41,055 (11%) | 103,470 (28%) | 41,061 (14%) | 123,703 (34%) |
| Other Minerals (Open) | | | | | | |
| Mineral Material | 56,094 (86%) | 62,322 (96%) | 62,367 (96%) | 53,663 (82%) | 58,926 (91%) | 48,177 (74%) |
| Phosphate | 26,706 (91%) | 27,403 (33%) | 27,779 (33%) | 11,333 (19%) | 25,088 (31%) | 10,263 (35%) |
| Gilsonite | 97 (100%) | 49 (100%) | 49 (100%) | 49 (100%) | 49 (100%) | 48 (100%) |

*Includes land categorization for the Hill Creek Extension (Standard Stipulation: 160,998 acres, Timing & Controlled Surface Use: 29,832 acres).

Table 6. Mineral Development Land Categorization Proposed In Pronghorn Habitat

| Oil and Gas Development | | | | | | |
|--|---------------------|-----------------------|-----------------------|-----------------------|--|-----------------------|
| | Proposed RMP | Alternative A* | Alternative B* | Alternative C* | Alternative D (No Action Alternative) | Alternative E* |
| Standard Stipulation | 530,979 (69%) | 649,626 (85%) | 663,164 (86%) | 546,664 (71%) | 400,846 (55%) | 498,336 (65%) |
| Timing and Controlled Surface Use | 195,420 (25%) | 95,327 (12%) | 85,534 (11%) | 185,579 (24%) | 284,341 (39%) | 193,690 (25%) |
| No Surface Occupancy | 20,207 (3%) | 18,994 (2%) | 18,753 (2%) | 19,047 (2%) | 44,178 (6%) | 22,247 (3%) |
| No Leasing | 21,923 (3%) | 4,531 (1%) | 1,027 (<1%) | 17,188 (2%) | 4,392 (1%) | 53,087 (7%) |
| Other Minerals (Open) | | | | | | |
| Mineral Material | 168,851 (92%) | 174,474 (95%) | 174,723 (95%) | 171,584 (94%) | 174,473 (95%) | 162,619 (89%) |
| Phosphate | 27,910 (87%) | 31,554 (98%) | 31,554 (98%) | 31,539 (98%) | 30,710 (96%) | 27,902 (87%) |
| Gilsonite | 642 (97%) | 321 (100%) | 332 (97%) | 332 (97%) | 332 (95%) | 317 (95%) |

*Includes land categorization for the Hill Creek Extension (Standard Stipulation: 160,998 acres, Timing & Controlled Surface Use: 29,832 acres).

Table 7. Mineral Development Land Categorization Proposed In Bighorn Sheep Habitat

| Oil and Gas Development | | | | | | |
|--|---------------------|-----------------------|-----------------------|-----------------------|--|-----------------------|
| | Proposed RMP | Alternative A* | Alternative B* | Alternative C* | Alternative D (No Action Alternative) | Alternative E* |
| Standard Stipulation | 93,023 (21%) | 180,612 (42%) | 252,009 (58%) | 160,509 (37%) | 192,076 (55%) | 108,882 (25%) |
| Timing and Controlled Surface Use | 228,616 (53%) | 197,498 (46%) | 155,057 (36%) | 147,311 (34%) | 78,464 (23%) | 171,397 (39%) |
| No Surface Occupancy | 32,740 (8%) | 14,997 (3%) | 2,996 (1%) | 10,970 (3%) | 52,445 (15%) | 7,407 (2%) |
| No Leasing | 80,663 (19%) | 39,947 (9%) | 22,993 (5%) | 114,263 (26%) | 24,971 (7%) | 145,148 (34%) |
| Other Minerals (Open) | | | | | | |
| Mineral Material | 55,563 (85%) | 57,475 (86%) | 65,535 (99%) | 45,161 (68%) | 57,475 (86%) | 42,672 (54%) |
| Phosphate | 10,574 (79%) | 13,288 (99%) | 13,288 (99%) | 8,272 (62%) | 11,775 (88%) | 5,561 (42%) |
| Gilsonite | 504 (98%) | 254 (100%) | 256 (100%) | 250 (97%) | 239 (93%) | 225 (88%) |

*Includes land categorization for the Hill Creek Extension (Standard Stipulation: 160,998 acres, Timing & Controlled Surface Use: 29,832 acres)

Table 8. Mineral Development Land Categorization Proposed In Moose Habitat

| Oil and Gas Development | | | | | | |
|--|---------------------|-----------------------|-----------------------|-----------------------|--|-----------------------|
| | Proposed RMP | Alternative A* | Alternative B* | Alternative C* | Alternative D (No Action Alternative) | Alternative E* |
| Standard Stipulation | 46,365 (41%) | 48,246 (42%) | 73,223 (64%) | 39,131 (34%) | 45,992 (40%) | 34,088 (30%) |
| Timing and Controlled Surface Use | 29,070 (25%) | 53,405 (47%) | 35,057 (31%) | 59,747 (52%) | 41,324 (36%) | 38,587 (34%) |
| No Surface Occupancy | 3,328 (3%) | 3,328 (3%) | 3,393 (3%) | 3,300 (3%) | 22,420 (20%) | 3,300 (3%) |
| No Leasing | 35,261 (31%) | 8,961 (8%) | 2,267 (2%) | 11,762 (10%) | 4,204 (4%) | 37,963 (33%) |
| Other Minerals (Open) | | | | | | |
| Mineral Material | 24,715 (80%) | 28,615 (93%) | 28,702 (93%) | 28,425 (93%) | 28,614 (93%) | 24,526 (80%) |
| Phosphate | 12,802 (90%) | 14,101 (99%) | 14,101 (99%) | 12,905 (90%) | 12,976 (91%) | 11,606 (81%) |
| Gilsonite | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |

*Includes land categorization for the Hill Creek Extension (Standard Stipulation: 160,998 acres, Timing & Controlled Surface Use: 29,832 acres).

Table 9. Mineral Development Land Categorization Proposed In Black Bear Habitat

| Oil and Gas Development | | | | | | |
|--|---------------------|-----------------------|-----------------------|-----------------------|--|-----------------------|
| | Proposed RMP | Alternative A* | Alternative B* | Alternative C* | Alternative D (No Action Alternative) | Alternative E* |
| Standard Stipulation | 60,254 (24%) | 105,186 (42%) | 172,813 (70%) | 98,456 (40%) | 83,403 (42%) | 80,544 (33%) |
| Timing and Controlled Surface Use | 128,388 (52%) | 135,115 (55%) | 70,795 (29%) | 87,354 (35%) | 93,337 (47%) | 84,625 (34%) |
| No Surface Occupancy | 11,429 (5%) | 2,798 (1%) | 2,798 (1%) | 2,680 (1%) | 19,902 (10%) | 2,680 (1%) |
| No Leasing | 47,815 (19%) | 4,648 (2%) | 1,341 (1%) | 59,256 (24%) | 1,340 (1%) | 79,876 (32%) |
| Other Minerals (Open) | | | | | | |
| Mineral Material | 24,287 (83%) | 28,104 (96%) | 28,190 (96%) | 27,425 (94%) | 21,573 (74%) | 24,167 (82%) |
| Phosphate | 4,972 (99.5%) | 4,972 (100%) | 4,972 (100%) | 2,680 (54%) | 4,586 (92%) | 2,680 (54%) |
| Gilsonite | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |

*Includes land categorization for the Hill Creek Extension (Standard Stipulation: 160,998 acres, Timing & Controlled Surface Use: 29,832 acres).

Table 10. Mineral Development Land Categorization Proposed In Ring-necked Pheasant Habitat

| Oil and Gas Development | | | | | | |
|--|---------------------|-----------------------|-----------------------|-----------------------|--|-----------------------|
| | Proposed RMP | Alternative A* | Alternative B* | Alternative C* | Alternative D (No Action Alternative) | Alternative E* |
| Standard Stipulation | 26,251 (48%) | 33,987 (62%) | 33,900 (61%) | 31,444 (57%) | 10,515 (22%) | 25,030 (46%) |
| Timing and Controlled Surface Use | 11,996 (22%) | 4,573 (8%) | 10,256 (19%) | 6,463 (12%) | 16,565 (34%) | 11,882 (22%) |
| No Surface Occupancy | 16,116 (29%) | 12,876 (23%) | 10,704 (19%) | 12,877 (23%) | 21,536 (44%) | 12,219 (22%) |
| No Leasing | 624 (1%) | 3,700 (7%) | 275 (<1%) | 4,352 (8%) | 271 (1%) | 5,818 (10%) |
| Other Minerals (Open) | | | | | | |
| Mineral Material | 16,381 (66%) | 16,565 (67%) | 19,197 (78%) | 16,321 (66%) | 12,439 (50%) | 0 (0%) |
| Phosphate | 887 (100%) | 887 (100%) | 887 (100%) | 887 (100%) | 821 (93%) | 276 (31%) |
| Gilsonite | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |

*Includes land categorization for the Hill Creek Extension (Standard Stipulation: 160,998 acres, Timing & Controlled Surface Use: 29,832 acres).

Table 11. Mineral Development Land Categorization Proposed In Rio Grande Turkey Habitat

| Oil and Gas Development | | | | | | |
|--|---------------------|-----------------------|-----------------------|-----------------------|--|-----------------------|
| | Proposed RMP | Alternative A* | Alternative B* | Alternative C* | Alternative D (No Action Alternative) | Alternative E* |
| Standard Stipulation | 88,683 (56%) | 104,743 (66%) | 106,247 (67%) | 93,098 (59%) | 70,461 (48%) | 81,894 (51%) |
| Timing and Controlled Surface Use | 37,991 (24%) | 25,620 (16%) | 24,115 (15%) | 37,252 (23%) | 45,765 (31%) | 42,415 (27%) |
| No Surface Occupancy | 9,625 (6%) | 7,140 (4%) | 7,139 (4%) | 7,150 (4%) | 10,202 (7%) | 12,395 (8%) |
| No Leasing | 22,538 (14%) | 21,571 (14%) | 21,571 (14%) | 21,572 (14%) | 21,573 (15%) | 22,370 (14%) |
| Other Minerals (Open) | | | | | | |
| Mineral Material | 33,249 (87%) | 34,194 (89%) | 34,195 (89%) | 34,183 (89%) | 33,368 (87%) | 31,386 (82%) |
| Phosphate | 65 (12%) | 533 (100%) | 533 (100%) | 533 (100%) | 533 (100%) | 65 (12%) |
| Gilsonite | 167 (100%) | 84 (100%) | 84 (100%) | 84 (100%) | 84 (100%) | 84 (100%) |

*Includes land categorization for the Hill Creek Extension (Standard Stipulation: 160,998 acres, Timing & Controlled Surface Use: 29,832 acres).

Table 12. Mineral Development Land Categorization Proposed In Blue Grouse Habitat

| Oil and Gas Development | | | | | | |
|--|---------------------|-----------------------|-----------------------|-----------------------|--|-----------------------|
| | Proposed RMP | Alternative A* | Alternative B* | Alternative C* | Alternative D (No Action Alternative) | Alternative E* |
| Standard Stipulation | 16,686 (7%) | 80,282 (35%) | 145,218 (63%) | 72,786 (32%) | 54,131 (33%) | 50,010 (22%) |
| Timing and Controlled Surface Use | 158,930 (69%) | 135,586 (59%) | 72,863 (32%) | 97,427 (42%) | 91,480 (55%) | 96,557 (42%) |
| No Surface Occupancy | 6,130 (3%) | 2,572 (1%) | 2,572 (1%) | 2,522 (1%) | 8,204 (5%) | 3,251 (1%) |
| No Leasing | 49,400 (21%) | 12,551 (5%) | 10,338 (4%) | 58,258 (25%) | 12,542 (8%) | 81,161 (35%) |
| Other Minerals (Open) | | | | | | |
| Mineral Material | 4,977 (74%) | 5,980 (89%) | 5,980 (89%) | 5,837 (87%) | 6,153 (92%) | 4,330 (64%) |
| Phosphate | 16,490 (72%) | 21,598 (95%) | 21,598 (95%) | 21,591 (95%) | 20,600 (90%) | 16,484 (72%) |
| Gilsonite | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |

*Includes land categorization for the Hill Creek Extension (Standard Stipulation: 160,998 acres, Timing & Controlled Surface Use: 29,832 acres).

Table 13. Mineral Development Land Categorization Proposed In Chukar Habitat

| Oil and Gas Development | | | | | | |
|--|---------------------|-----------------------|-----------------------|-----------------------|--|-----------------------|
| | Proposed RMP | Alternative A* | Alternative B* | Alternative C* | Alternative D (No Action Alternative) | Alternative E* |
| Standard Stipulation | 23,267 (17%) | 42,956 (32%) | 64,330 (47%) | 27,199 (20%) | 28,955 (23%) | 19,577 (15%) |
| Timing and Controlled Surface Use | 43,147 (31%) | 73,361 (54%) | 59,147 (44%) | 77,585 (57%) | 59,862 (47%) | 46,388 (34%) |
| No Surface Occupancy | 17,146 (12%) | 8,576 (6%) | 9,066 (7%) | 7,254 (5%) | 31,867 (25%) | 12,289 (9%) |
| No Leasing | 55,981 (40%) | 10,652 (8%) | 3,003 (2%) | 23,508 (17%) | 5,789 (5%) | 57,312 (42%) |
| Other Minerals (Open) | | | | | | |
| Mineral Material | 22,498 (64%) | 30,177 (85%) | 30,408 (86%) | 24,449 (69%) | 22,612 (64%) | 15,932 (45%) |
| Phosphate | 23,388 (65%) | 34,695 (96%) | 34,695 (96%) | 33,737 (93%) | 33,636 (93%) | 22,436 (62%) |
| Gilsonite | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |

*Includes land categorization for the Hill Creek Extension (Standard Stipulation: 160,998 acres, Timing & Controlled Surface Use: 29,832 acres).

Table 14. Mineral Development Land Categorization Proposed In Greater Sage-Grouse Wintering Habitat

| Oil and Gas Development | | | | | | |
|--|---------------------|-----------------------|-----------------------|-----------------------|--|-----------------------|
| | Proposed RMP | Alternative A* | Alternative B* | Alternative C* | Alternative D (No Action Alternative) | Alternative E* |
| Standard Stipulation | 98,067 (41%) | 146,696 (62%) | 165,220 (70%) | 96,844 (41%) | 143,220 (61%) | 96,032 (41%) |
| Timing and Controlled Surface Use | 98,679 (42%) | 81,510 (34%) | 63,445 (27%) | 121,534 (51%) | 80,390 (34%) | 90,094 (38%) |
| No Surface Occupancy | 4,832 (2%) | 5,245 (2%) | 5,343 (2%) | 5,343 (2%) | 10,398 (4%) | 5,725 (2%) |
| No Leasing | 35,095 (15%) | 3,125 (1%) | 2,568 (1%) | 12,855 (5%) | 2,568 (1%) | 44,724 (19%) |
| Other Minerals (Open) | | | | | | |
| Mineral Material | 71,668 (87%) | 79,027 (96%) | 79,121 (96%) | 77,223 (93%) | 75,971 (96%) | 69,494 (84%) |
| Phosphate | 16,100 (64%) | 5,790 (23%) | 23,962 (96%) | 14,359 (57%) | 23,419 (94%) | 6,498 (26%) |
| Gilsonite | 148 (100%) | 74 (100%) | 74 (100%) | 74 (100%) | 72 (100%) | 74 (100%) |

*Includes land categorization for the Hill Creek Extension (Standard Stipulation: 160,998 acres, Timing & Controlled Surface Use: 29,832 acres).

Table 15. Mineral Development Land Categorization Proposed In Greater Sage-grouse Brooding Habitat

| Oil and Gas Development | | | | | | |
|--|---------------------|-----------------------|-----------------------|-----------------------|--|-----------------------|
| | Proposed RMP | Alternative A* | Alternative B* | Alternative C* | Alternative D (No Action Alternative) | Alternative E* |
| Standard Stipulation | 288,942 (36%) | 456,122 (56%) | 490,288 (60%) | 348,154 (43%) | 346,050 (48%) | 286,941 (35%) |
| Timing and Controlled Surface Use | 412,653 (51%) | 324,955 (40%) | 291,468 (36%) | 399,432 (49%) | 319,379 (44%) | 386,075 (48%) |
| No Surface Occupancy | 21,092 (3%) | 10,988 (1%) | 11,181 (1%) | 11,101 (1%) | 29,982 (4%) | 11,313 (1%) |
| No Leasing | 91,085 (11%) | 22,755 (3%) | 21,883 (3%) | 56,133 (7%) | 22,720 (3%) | 129,772 (16%) |
| Other Minerals (Open) | | | | | | |
| Mineral Material | 183,838 (88%) | 203,209 (97%) | 203,201 (97%) | 198,885 (95%) | 203,208 (97%) | 177,359 (85%) |
| Phosphate | 50,184 (81%) | 36,942 (59%) | 61,413 (97%) | 49,324 (79%) | 59,553 (96%) | 39,059 (63%) |
| Gilsonite | 456 (100%) | 228 (100%) | 228 (100%) | 228 (99%) | 223 (97%) | 228 (100%) |

*Includes land categorization for the Hill Creek Extension (Standard Stipulation: 160,998 acres, Timing & Controlled Surface Use: 29,832 acres).

Table 16. Mineral Development Land Categorization Proposed In White-tailed Prairie Dog/Black-footed Ferret Habitat

| Oil and Gas Development | | | | | | |
|--|---------------------|-----------------------|-----------------------|-----------------------|--|-----------------------|
| | Proposed RMP | Alternative A* | Alternative B* | Alternative C* | Alternative D (No Action Alternative) | Alternative E* |
| Standard Stipulation | 104,308 (84%) | 112,274 (90%) | 114,783 (92%) | 95,528 (77%) | 69,283 (56%) | 95,522 (77%) |
| Timing and Controlled Surface Use | 18,753 (15%) | 10,805 (9%) | 8,296 (7%) | 27,537 (22%) | 48,241 (39%) | 23,292 (19%) |
| No Surface Occupancy | 1,083 (1%) | 1,083 (1%) | 1,083 (1%) | 1,097 (1%) | 6,638 (5%) | 5,328 (4%) |
| No Leasing | 13 (0.01%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 13 (<1%) |
| Other Minerals (Open) | | | | | | |
| Mineral Material | 48,195 (99%) | 48,204 (99%) | 48,204 (99%) | 48,197 (99%) | 48,204 (93%) | 46,360 (95%) |
| Phosphate | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Gilsonite | 93 (97%) | 46 (100%) | 93 (100%) | 46 (97%) | 46 (97%) | 46 (100%) |

*Includes land categorization for the Hill Creek Extension (Standard Stipulation: 160,998 acres, Timing & Controlled Surface Use: 29,832 acres).

Table 17. Mineral Development Land Categorization Proposed In Mexican Spotted Owl (Canyon) Habitat

| Oil and Gas Development | | | | | | |
|--|---------------------|-----------------------|-----------------------|-----------------------|--|-----------------------|
| | Proposed RMP | Alternative A* | Alternative B* | Alternative C* | Alternative D (No Action Alternative) | Alternative E* |
| Standard Stipulation | 1,234 (11%) | 5,443 (52%) | 7,136 (68%) | 5,256 (50%) | 1,667 (28%) | 1,069 (10%) |
| Timing and Controlled Surface Use | 2,335 (22%) | 3,833 (37%) | 2,802 (27%) | 2,722 (26%) | 2,886 (49%) | 5,932 (57%) |
| No Surface Occupancy | 1,286 (12%) | 63 (1%) | 175 (2%) | 62 (1%) | 1,007 (17%) | 62 (1%) |
| No Leasing | 6,002 (55%) | 1,129 (11%) | 355 (3%) | 2,428 (23%) | 355 (6%) | 3,405 (32%) |
| Other Minerals (Open) | | | | | | |
| Mineral Material | 97 (81%) | 112 (95%) | 113 (95%) | 75 (64%) | 112 (95%) | 62 (52%) |
| Phosphate | 225 (68%) | 321 (97%) | 321 (97%) | 227 (69%) | 271 (82%) | 131 (40%) |
| Gilsonite | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |

*Includes land categorization for the Hill Creek Extension (Standard Stipulation: 160,998 acres, Timing & Controlled Surface Use: 29,832 acres).

Table 18. Mineral Development Land Categorization Proposed In Mexican Spotted Owl (Forest) Habitat

| Oil and Gas Development | | | | | | |
|--|---------------------|-----------------------|-----------------------|-----------------------|--|-----------------------|
| | Proposed RMP | Alternative A* | Alternative B* | Alternative C* | Alternative D (No Action Alternative) | Alternative E* |
| Standard Stipulation | 15,449 (39%) | 17,947 (46%) | 28,207 (72%) | 14,390 (37%) | 17,724 (50%) | 12,164 (31%) |
| Timing and Controlled Surface Use | 10,944 (28%) | 18,458 (47%) | 9,830 (25%) | 18,532 (47%) | 13,289 (37%) | 11,980 (31%) |
| No Surface Occupancy | 624 (2%) | 903 (2%) | 903 (2%) | 836 (2%) | 4,267 (12%) | 836 (2%) |
| No Leasing | 12,410 (31%) | 1,979 (5%) | 347 (1%) | 5,529 (14%) | 347 (1%) | 14,302 (36%) |
| Other Minerals (Open) | | | | | | |
| Mineral Material | 4,634 (81%) | 5,722 (100%) | 5,722 (100%) | 5,649 (98%) | 5,722 (100%) | 4,561 (79%) |
| Phosphate | 568 (88%) | 642 (100%) | 642 (100%) | 518 (81%) | 562 (87%) | 443 (69%) |
| Gilsonite | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |

*Includes land categorization for the Hill Creek Extension (Standard Stipulation: 160,998 acres, Timing & Controlled Surface Use: 29,832 acres).

Table 19. Mineral Development Land Categorization Proposed In Ferruginous Hawk Nesting Habitat¹

| Oil and Gas Development | | | | | | |
|--|---------------------|-----------------------|-----------------------|-----------------------|--|-----------------------|
| | Proposed RMP | Alternative A* | Alternative B* | Alternative C* | Alternative D (No Action Alternative) | Alternative E* |
| Standard Stipulation | 39,225 (77%) | 46,906 (92%) | 47,067 (93%) | 38,342 (75%) | 40,387 (82%) | 37,040 (73%) |
| Timing and Controlled Surface Use | 11,037 (22%) | 3,398 (7%) | 3,237 (6%) | 11,952 (24%) | 7,860 (16%) | 13,188 (26%) |
| No Surface Occupancy | 524 (1%) | 524 (1%) | 524 (1%) | 534 (1%) | 1,279 (3%) | 534 (1%) |
| No Leasing | 42 (0.1%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 42 (<1%) |
| Other Minerals (Open) | | | | | | |
| Mineral Material | 15,862 (98%) | 15,874 (98%) | 15,874 (98%) | 15,866 (98%) | 15,975 (99%) | 15,855 (98%) |
| Phosphate | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |
| Gilsonite | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) | 0 (0%) |

¹ These calculations are to show an approximation of land management in the habitat type used by nesting ferruginous hawks. Calculations are based on areas associated within the ½ mile buffer around known active and inactive ferruginous hawk nests in the VPA. However, the areas within the ½ mile buffer zone for active and inactive ferruginous hawk nests will actually be managed under the special stipulations for raptors outlined in Chapter 4.

*Includes land categorization for the Hill Creek Extension (Standard Stipulation: 160,998 acres, Timing & Controlled Surface Use: 29,832 acres).

Table 20. Habitat Fragments Created By Existing Roads And Pipelines On BLM Lands In The Vpa And Road Effects Zones Associated With These Fragments

| Vernal Planning Area | | | | | | | | |
|--|---------------|----------------------|-----------------|---|--------------------------------|----------------------|-----------------|---|
| Fragment Categories | All Fragments | | | | Fragments 250 Acres or Greater | | | |
| | Number | Average Size (acres) | % of Total Area | % Open to Minerals Development | Number | Average Size (acres) | % of Total Area | % Open to Minerals Development |
| Fragments created by roads or pipelines | 4,485 | 383 | 99.6 | PRMP: 86.6 Alt A: 93.3 Alt B: 95.2 Alt C: 84.6 Alt D: 89.1 Alt E: 76.0 | 736 | 2,194 | 93.6 | PRMP: 85.6 Alt A: 92.9 Alt B: 95.0 Alt C: 83.9 Alt D: 88.4 Alt E: 74.5 |
| Fragments outside the 660-foot road effects zone | 2,849 | 492 | 81.2 | PRMP: 85.4 Alt A: 92.8 Alt B: 95.0 Alt C: 83.6 Alt D: 87.6 Alt E: 75.0 | 696 | 1,891 | 76.3 | PRMP:84.2 Alt A: 92.3 Alt B: 94.8 Alt C: 82.8 Alt D: 86.5 Alt E: 73.6 |
| Fragments outside the 1,320-foot road effects zone | 2,394 | 477 | 66.1 | PRMP:84.1 Alt A: 92.3 Alt B: 94.8 Alt C: 82.6 Alt D: 87.6 Alt E: 73.2 | 593 | 1,803 | 62.0 | PRMP:82.7 Alt A: 91.7 Alt B: 94.4 Alt C: 81.6 Alt D: 86.5 Alt E: 71.6 |
| Fragments outside the 2,640-foot road effects zone | 1,510 | 505 | 44.2 | PRMP:81.3 Alt A: 90.9 Alt B: 94.1 Alt C: 80.3 Alt D: 85.5 Alt E: 69.6 | 413 | 1,728 | 41.4 | PRMP:79.6 Alt A: 90.2 Alt B: 93.7 Alt C: 79.0 Alt D: 84.3 Alt E: 67.9 |

Table 21. Habitat Fragments Created By Existing Roads And Pipelines On BLM Lands In The Manila-Clay Basin RFD Area, And Road Effects Zones Associated With These Fragments

| Fragment Categories | All Fragments | | | | Fragments 250 Acres or Greater | | | |
|--|---------------|----------------------|-----------------|--|--------------------------------|----------------------|-----------------|--|
| | Number | Average Size (acres) | % of Total Area | % Open to Minerals Development | Number | Average Size (acres) | % of Total Area | % Open to Minerals Development |
| Fragments created by roads or pipelines | 234 | 225 | 99.6 | PRMP:70.2 Alt A: 91.4 Alt B: 91.4 Alt C: 91.4 Alt D: 80.6 Alt E: 70.2 | 26 | 1,807 | 89.1 | PRMP:66.8 Alt A: 90.7 Alt B: 90.7 Alt C: 90.7 Alt D: 79.3 Alt E: 59.7 |
| Fragments outside the 660-foot road effects zone | 104 | 117 | 82.2 | PRMP:66.7 Alt A: 90.5 Alt B: 90.5 Alt C: 90.5 Alt D: 77.3 Alt E: 90.5 | 24 | 1,662 | 75.6 | PRMP:63.0 Alt A: 89.7 Alt B: 89.7 Alt C: 89.7 Alt D: 75.8 Alt E: 89.7 |
| Fragments outside the 1,320-foot road effects zone | 90 | 401 | 68.5 | PRMP:63.3 Alt A: 89.4 Alt B: 89.4 Alt C: 89.4 Alt D: 75.3 Alt E: 89.4 | 25 | 1,359 | 64.4 | PRMP:60.9 Alt A: 88.7 Alt B: 88.7 Alt C: 88.7 Alt D: 73.7 Alt E: 88.7 |
| Fragments outside the 2,640-foot road effects zone | 55 | 459 | 47.8 | PRMP:56.9 Alt A: 87.1 Alt B: 87.1 Alt C: 87.1 Alt D: 68.2 Alt E: 87.1 | 18 | 1,287 | 43.9 | PRMP:52.6 Alt A: 85.1 Alt B: 85.1 Alt C: 85.1 Alt D: 63.1 Alt E: 85.1 |

Table 22. Functional Habitat Loss Created By Proposed Roads And Pipelines On BLM Lands In The Manila-Clay Basin RFD Area

| | Proposed RMP | Alternative A | Alternative B | Alternative C | Alternative D | Alternative E |
|---|--------------|---------------|---------------|---------------|---------------|---------------|
| Road and Pipeline Densities (mi/mi ²) | 1.48 | 1.47 | 1.47 | 1.45 | 1.53 | 1.41 |
| Percent outside a Functional Habitat Loss-660' zone | 86% | 86% | 86% | 86% | 82% | 87% |
| Percent outside a Functional Habitat Loss-1,320' zone | 75% | 75% | 75% | 75% | 68% | 76% |
| Percent outside a Functional Habitat Loss-2,640' zone | 57 | 57% | 57% | 58% | 48% | 60% |

Table 23. Habitat Fragments Created By Existing Roads And Pipelines On BLM Lands In The Tabiona-Ashley Valley RFD Area, And Road Effects Zones Associated With These Fragments

| Fragment Categories | All Fragments | | | | Fragments 250 Acres or Greater | | | |
|--|---------------|----------------------|-----------------|---|--------------------------------|----------------------|-----------------|--|
| | Number | Average Size (acres) | % of Total Area | % Open to Minerals Development | Number | Average Size (acres) | % of Total Area | % Open to Minerals Development |
| Fragments created by roads or pipelines | 1,233 | 297 | 99.7 | PRMP:70.8 Alt A: 92.0 Alt B: 94.5 Alt C: 84.0 Alt D: 86.5 Alt E: 59.7 | 165 | 2,044 | 91.8 | PRMP:68.2 Alt A: 91.8 Alt B: 94.5 Alt C: 83.9 Alt D: 85.6 Alt E: 53.2 |
| Fragments outside the 660-foot road effects zone | 715 | 431 | 83.9 | PRMP:69.1 Alt A: 92.0 Alt B: 94.9 Alt C: 84.3 Alt D: 84.4 Alt E: 58.5 | 155 | 1,864 | 78.6 | PRMP:66.8 Alt A: 96.1 Alt B: 94.6 Alt C: 84.0 Alt D: 83.2 Alt E: 56.2 |
| Fragments outside the 1,320-foot road effects zone | 559 | 467 | 71.0 | PRMP:67.5 Alt A: 91.9 Alt B: 95.1 Alt C: 84.51 Alt D: 85.9 Alt E: 57.4 | 136 | 1,797 | 66.5 | PRMP:69.4 Alt A: 91.4 Alt B: 94.8 Alt C: 84.4 Alt D: 84.4 Alt E: 55.3 |
| Fragments outside the 2,640-foot road effects zone | 370 | 506 | 50.9 | PRMP:64.3 Alt A: 91.3 Alt B: 95.3 Alt C: 84.6 Alt D: 84.6 Alt E: 55.2 | 102 | 1,714 | 47.6 | PRMP:61.6 Alt A: 90.7 Alt B: 94.9 Alt C: 84.1 Alt D: 83.5 Alt E: 53.0 |

Table 24. Functional Habitat Loss Created By Proposed Roads And Pipelines On BLM Lands In The Tabiona-Ashley Valley RFD Area

| | Proposed RMP | Alternative A | Alternative B | Alternative C | Alternative D | Alternative E |
|---|--------------|---------------|---------------|---------------|---------------|---------------|
| Road and Pipeline Densities (mi/mi ²) | 1.48 | 1.21 | 1.20 | 1.11 | 1.34 | 1.06 |
| Percent outside a Functional Habitat Loss-660' zone | 88% | 88% | 88% | 89% | 84% | 90% |
| Percent outside a Functional Habitat Loss-1,320' zone | 79 | 79% | 79% | 80% | 71% | 81% |
| Percent outside a Functional Habitat Loss-2,640' zone | 63 | 63% | 63% | 66% | 51% | 67% |

Tabiona-Ashley Valley RFD Area (367,419 acres)

Table 25. Habitat Fragments Created By Existing Roads And Pipelines On BLM Lands In The Altamont-Bluebell RFD Area, And Road Effects Zones Associated With These Fragments

| Fragment Categories | All Fragments | | | | Fragments 250 Acres or Greater | | | |
|--|---------------|----------------------|-----------------|--|--------------------------------|----------------------|-----------------|--|
| | Number | Average Size (acres) | % of Total Area | % Open to Minerals Development | Number | Average Size (acres) | % of Total Area | % Open to Minerals Development |
| Fragments created by roads or pipelines | 64 | 224 | 99.7 | PRMP:98.7 Alt A: 98.7 Alt B: 98.7 Alt C: 98.7 Alt D: 97.2 Alt E: 98.7 | 10 | 1,280 | 89.0 | PRMP:96.7 Alt A: 96.7 Alt B: 96.7 Alt C: 96.7 Alt D: 96.8 Alt E: 97.4 |
| Fragments outside the 660-foot road effects zone | 45 | 266 | 83.4 | PRMP:98.9 Alt A: 98.9 Alt B: 98.9 Alt C: 98.9 Alt D: 96.1 Alt E: 98.9 | 9 | 1,172 | 73.3 | PRMP:98.7 Alt A: 98.7 Alt B: 98.7 Alt C: 98.7 Alt D: 93.8 Alt E: 98.7 |
| Fragments outside the 1,320-foot road effects zone | 35 | 287 | 69.8 | PRMP:99.3 Alt A: 99.3 Alt B: 99.3 Alt C: 99.3 Alt D: 97.6 Alt E: 99.3 | 9 | 1,003 | 62.8 | PRMP:99.1 Alt A: 99.1 Alt B: 99.1 Alt C: 99.1 Alt D: 95.8 Alt E: 99.1 |
| Fragments outside the 2,640-foot road effects zone | 32 | 218 | 48.5 | PRMP:100 Alt A: 100 Alt B: 100 Alt C: 100 Alt D: 98.7 Alt E: 100 | 8 | 805 | 44.8 | PRMP:100 Alt A: 100 Alt B: 100 Alt C: 100 Alt D: 100 Alt E: 100 |

Table 26. Functional Habitat Loss Created By Proposed Roads And Pipelines On BLM Lands In The Altamont-Bluebell RFD Area

| | Proposed RMP | Alternative A | Alternative B | Alternative C | Alternative D | Alternative E |
|---|--------------|---------------|---------------|---------------|---------------|---------------|
| Road and Pipeline Densities (mi/mi ²) | 1.34 | 1.33 | 1.33 | 1.33 | 1.45 | 1.33 |
| Percent outside a Functional Habitat Loss-660' zone | 85% | 85% | 85% | 85% | 83% | 85% |
| Percent outside a Functional Habitat Loss-1,320' zone | 72% | 72% | 72% | 72% | 70% | 72% |
| Percent outside a Functional Habitat Loss-2,640' zone | 51% | 51% | 51% | 51% | 49% | 51% |

Altamont-Bluebell RFD Area (14,375 acres)

Table 27. Habitat Fragments Created By Existing Roads And Pipelines On BLM Lands In The Monument Butte-Redwash RFD Area, And Road Effects Zones Associated With These Fragments

| Fragment Categories | All Fragments | | | | Fragments 250 Acres or Greater | | | |
|--|---------------|----------------------|-----------------|--|--------------------------------|----------------------|-----------------|--|
| | Number | Average Size (acres) | % of Total Area | % Open to Minerals Development | Number | Average Size (acres) | % of Total Area | % Open to Minerals Development |
| Fragments created by roads or pipelines | 2,071 | 306 | 99.5 | PRMP:94.9 Alt A: 95.0 Alt B: 98.1 Alt C: 94.2 Alt D: 92.6 Alt E: 92.4 | 359 | 1,624 | 91.6 | PRMP:94.6 Alt A: 94.7 Alt B: 98.2 Alt C: 93.9 Alt D: 91.9 Alt E: 84.5 |
| Fragments outside the 660-foot road effects zone | 1,234 | 396 | 76.8 | PRMP:94.5 Alt A: 94.6 Alt B: 98.4 Alt C: 93.6 Alt D: 91.4 Alt E: 91.5 | 298 | 1,508 | 70.6 | PRMP:94.0 Alt A: 94.3 Alt B: 98.8 Alt C: 93.2 Alt D: 90.7 Alt E: 90.9 |
| Fragments outside the 1,320-foot road effects zone | 1,052 | 357 | 60.0 | PRMP:94.1 Alt A: 94.1 Alt B: 98.7 Alt C: 92.9 Alt D: 91.8 Alt E: 90.5 | 227 | 1,510 | 53.9 | PRMP:93.3 Alt A: 93.4 Alt B: 98.7 Alt C: 92.0 Alt D: 90.9 Alt E: 89.4 |
| Fragments outside the 2,640-foot road effects zone | 604 | 376 | 35.7 | PRMP:92.7 Alt A: 92.8 Alt B: 99.1 Alt C: 91.0 Alt D: 90.5 Alt E: 87.9 | 144 | 1,429 | 32.3 | PRMP:91.8 Alt A: 91.9 Alt B: 99.2 Alt C: 90.0 Alt D: 89.6 Alt E: 86.7 |

Table 28. Functional Habitat Loss Created By Proposed Roads And Pipelines On BLM Lands In The Monument Butte-Redwash RFD Area

| | Proposed RMP | Alternative A | Alternative B | Alternative C | Alternative D | Alternative E |
|---|--------------|---------------|---------------|---------------|---------------|---------------|
| Road and Pipeline Densities (mi/mi ²) | 2.45 | 2.42 | 2.42 | 2.40 | 2.00 | 2.40 |
| Percent outside a Functional Habitat Loss-660' zone | 78% | 78% | 78% | 79% | 77% | 79% |
| Percent outside a Functional Habitat Loss-1,320' zone | 61% | 62% | 62% | 62% | 59% | 62% |
| Percent outside a Functional Habitat Loss-2,640' zone | 39% | 39% | 39% | 40% | 36% | 40% |

Monument Butte-Redwash RFD Area (636,185 acres)

Table 29. Habitat Fragments Created By Existing Roads And Pipelines On BLM Lands In The West Tavaputs Plateau RFD Area, And Road Effects Zones Associated With These Fragments

| Fragment Categories | All Fragments | | | | Fragments 250 Acres or Greater | | | |
|--|---------------|----------------------|-----------------|--|--------------------------------|----------------------|-----------------|--|
| | Number | Average Size (acres) | % of Total Area | % Open to Minerals Development | Number | Average Size (acres) | % of Total Area | % Open to Minerals Development |
| Fragments created by roads or pipelines | 213 | 845 | 99.7 | PRMP:87.5 Alt A: 98.2 Alt B: 99.0 Alt C: 86.5 Alt D: 86.5 Alt E: 74.9 | 59 | 2,987 | 97.7 | PRMP:86.4 Alt A: 98.1 Alt B: 98.9 Alt C: 85.9 Alt D: 86.1 Alt E: 72.4 |
| Fragments outside the 660-foot road effects zone | 189 | 815 | 85.3 | PRMP:87.0 Alt A: 98.2 Alt B: 99.0 Alt C: 85.6 Alt D: 85.6 Alt E: 73.9 | 61 | 2,435 | 82.3 | PRMP:85.6 Alt A: 98.2 Alt B: 99.0 Alt C: 85.2 Alt D: 84.8 Alt E: 73.3 |
| Fragments outside the 1,320-foot road effects zone | 172 | 763 | 72.7 | PRMP: Alt A: 71.4 Alt B: 72.0 Alt C: 61.6 Alt D: 61.6 Alt E: 53.0 | 56 | 2,251 | 69.9 | PRMP: Alt A: 62.7 Alt B: 63.3 Alt C: 54.3 Alt D: 54.1 Alt E: 46.9 |
| Fragments outside the 2,640-foot road effects zone | 135 | 693 | 51.9 | PRMP: Alt A: 50.8 Alt B: 51.3 Alt C: 42.6 Alt D: 42.5 Alt E: 36.6 | 47 | 1,902 | 49.5 | PRMP: Alt A: 43.3 Alt B: 43.7 Alt C: 36.3 Alt D: 36.2 Alt E: 31.3 |

Table 30. Functional Habitat Loss Created By Proposed Roads And Pipelines On BLM Lands In The West Tavaputs Plateau RFD Area

| | Proposed RMP | Alternative A | Alternative B | Alternative C | Alternative D | Alternative E |
|---|--------------|---------------|---------------|---------------|---------------|---------------|
| Road and Pipeline Densities (mi/mi ²) | 1.27 | 0.88 | 0.88 | 0.82 | 1.23 | 0.76 |
| Percent outside a Functional Habitat Loss-660' zone | 86% | 90% | 90% | 91% | 85% | 91% |
| Percent outside a Functional Habitat Loss-1,320' zone | 74% | 81% | 81% | 82% | 73% | 84% |
| Percent outside a Functional Habitat Loss-2,640' zone | 53% | 65% | 65% | 68% | 52% | 70% |

West Tavaputs Plateau RFD Area (180,467 acres)

Table 31. Habitat Fragments Created By Existing Roads And Pipelines On BLM Lands In The East Tavaputs Plateau RFD Area, And Road Effects Zones Associated With These Fragments

| Fragment Categories | All Fragments | | | | Fragments 250 Acres or Greater | | | |
|--|---------------|----------------------|-----------------|--|--------------------------------|----------------------|-----------------|--|
| | Number | Average Size (acres) | % of Total Area | % Open to Minerals Development | Number | Average Size (acres) | % of Total Area | % Open to Minerals Development |
| Fragments created by roads or pipelines | 867 | 545 | 99.7 | PRMP:89.0 Alt A: 90.2 Alt B: 90.6 Alt C: 70.4 Alt D: 88.3 Alt E: 67.2 | 167 | 2,714 | 95.6 | PRMP:88.2 Alt A: 89.5 Alt B: 90.0 Alt C: 69.1 Alt D: 87.4 Alt E: 63.2 |
| Fragments outside the 660-foot road effects zone | 562 | 702 | 83.1 | PRMP:88.0 Alt A: 89.2 Alt B: 89.7 Alt C: 68.8 Alt D: 86.9 Alt E: 65.4 | 149 | 2,543 | 80.0 | PRMP:87.0 Alt A: 88.3 Alt B: 88.9 Alt C: 67.3 Alt D: 85.8 Alt E: 64.0 |
| Fragments outside the 1,320-foot road effects zone | 486 | 673 | 70.0 | PRMP:86.9 Alt A: 88.2 Alt B: 88.8 Alt C: 67.0 Alt D: 86.4 Alt E: 63.6 | 140 | 2,235 | 66.0 | PRMP:86.1 Alt A: 87.6 Alt B: 88.1 Alt C: 65.5 Alt D: 85.5 Alt E: 62.1 |
| Fragments outside the 2,640-foot road effects zone | 387 | 577 | 47.0 | PRMP:84.4 Alt A: 85.9 Alt B: 86.6 Alt C: 63.5 Alt D: 84.2 Alt E: 59.7 | 119 | 1,780 | 44.7 | PRMP:83.7 Alt A: 85.2 Alt B: 85.8 Alt C: 61.7 Alt D: 83.0 Alt E: 58.2 |

Table 32. Functional Habitat Loss Created By Proposed Roads And Pipelines On BLM Lands In The East Tavaputs Plateau RFD Area

| | Proposed RMP | Alternative A | Alternative B | Alternative C | Alternative D | Alternative E |
|---|--------------|---------------|---------------|---------------|---------------|---------------|
| Road and Pipeline Densities (mi/mi ²) | 85.0 | 0.83 | 0.83 | 0.76 | 1.45 | 0.74 |
| Percent outside a Functional Habitat Loss-660' zone | 90% | 91% | 91% | 91% | 83% | 92% |
| Percent outside a Functional Habitat Loss-1,320' zone | 82% | 82% | 82% | 84% | 69% | 84% |
| Percent outside a Functional Habitat Loss-2,640' zone | 66% | 67% | 67% | 70% | 47% | 71% |

East Tavaputs Plateau RFD Area (474,288 acres)

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Table 33. Migratory Birds Species On The USFWS Species Of Concern List, State Of Utah Special Status Species List, And The Partners In Flight High-Priority Bird Species List

| Common Name | Scientific Name | USFWS Species of Concern | State of Utah Special Status Species | Partners in Flight High-Priority Bird Species | Primary Breeding Habitat | Secondary Breeding Habitat | Winter Habitat |
|-----------------------------|----------------------------------|--------------------------|--------------------------------------|---|--------------------------|----------------------------|-------------------|
| American Avocet | <i>Recurvirostra americana</i> | X | | X | Wetland | Playa | Migrant |
| American White Pelican | <i>Pelecanus erythrorhynchos</i> | | X | X | Water | Wetland | Migrant |
| Black-Chinned Sparrow | <i>Spizella atrogularis</i> | X | | | Low Desert Scrub | High Desert Scrub | Migrant |
| Black-necked Stilt | <i>Himantopus mexicanus</i> | | | X | Wetland | Playa | Migrant |
| Black-throated Gray Warbler | <i>Dendroica nigrescens</i> | X | | X | Pinyon-Juniper | Mountain Shrub | Migrant |
| Bobolink | <i>Dolichonyx oryzivorus</i> | | X | X | Wet Meadow | Agriculture | Migrant |
| Brewer's Sparrow | <i>Spizella breweri</i> | X | | X | Shrub-steppe | High Desert Scrub | Migrant |
| Broad-tailed Hummingbird | <i>Selasphorus platycercus</i> | | | X | Lowland riparian | Mountain Riparian | Migrant |
| Ferruginous Hawk | <i>Buteo regalis</i> | X | X | X | Pinyon-Juniper | Shrub-steppe | Grassland |
| Flammulated Owl | <i>Otus flammeolus</i> | X | | | Ponderosa Pine | Sub-Alpine Conifer | Migrant |
| Gambel's Quail | <i>Callipepla gambelii</i> | | | X | Low Desert Scrub | Lowland riparian | Low Desert Scrub |
| Golden Eagle | <i>Aquila chrysaetos</i> | X | | | Cliff | High Desert Scrub | High Desert Scrub |
| Grey Vireo | <i>Vireo vicinior</i> | X | | X | Pinyon-Juniper | Northern Oak | Migrant |
| Greater sage-Grouse | <i>Centrocercus urophasianus</i> | X | X | X | Shrub-steppe | Shrub-steppe | Shrub-steppe |
| Lewis' Woodpecker | <i>Melanerpes lewis</i> | X | X | X | Ponderosa Pine | Lowland riparian | Northern Oak |

Table 33. Migratory Birds Species On The USFWS Species Of Concern List, State Of Utah Special Status Species List, And The Partners In Flight High-Priority Bird Species List

| Common Name | Scientific Name | USFWS Species of Concern | State of Utah Special Status Species | Partners in Flight High-Priority Bird Species | Primary Breeding Habitat | Secondary Breeding Habitat | Winter Habitat |
|-----------------------|----------------------------------|--------------------------|--------------------------------------|---|--------------------------|----------------------------|--------------------|
| Loggerhead Shrike | <i>Lanius ludovicianus</i> | X | | | High Desert Scrub | Pinyon-Juniper | High Desert Scrub |
| Long-billed Curlew | <i>Numenius americanus</i> | X | X | X | Grassland | Agriculture | Migrant |
| Mountain Plover | <i>Charadrius montanus</i> | X | | X | High Desert Scrub | High Desert Scrub | Migrant |
| Northern Harrier | <i>Circus cyaneus</i> | X | | | Wet Meadow | High Desert Scrub | Agriculture |
| Peregrine Falcon | <i>Falco peregrinus</i> | X | | | Cliff | Lowland riparian | Wetland |
| Pinyon Jay | <i>Gymnorhinus cyanocephalus</i> | X | | | Pinyon-Juniper | Ponderosa Pine | Pinyon-Juniper |
| Prairie Falcon | <i>Falco mexicanus</i> | X | | | Cliff | High Desert Scrub | Agriculture |
| Pygmy Nuthatch | <i>Sitta pygmaea</i> | X | | | Ponderosa Pine | Aspen | Ponderosa Pine |
| Red-naped Sapsucker | <i>Sphyrapicus nuchalis</i> | X | | | Aspen | Mixed Conifer | Mountain Riparian |
| Sage Sparrow | <i>Amphispiza belli</i> | X | | X | Shrub-steppe | High Desert Scrub | Low Desert Scrub |
| Snowy plover | <i>Charadrius alexandrinus</i> | X | | | Playa | Playa | Migrant |
| Swainson's Hawk | <i>Buteo swainsoni</i> | X | | | Agriculture | Aspen | Migrant |
| Three-toed Woodpecker | <i>Picoides tridactylus</i> | | X | X | Sub-Alpine Conifer | Lodgepole Pine | Sub-Alpine Conifer |
| Virginia's Warbler | <i>Vermivora virginiae</i> | X | | X | Northern Oak | Pinyon-Juniper | Migrant |
| Williamson Sapsucker | <i>Sphyrapicus thyroideus</i> | X | | | Sub-Alpine Conifer | Aspen | Migrant |
| Wilson's Phalarope | <i>Phalaropus tricolor</i> | X | | | Wetland | Water | Migrant |

Table 33. Migratory Birds Species On The USFWS Species Of Concern List, State Of Utah Special Status Species List, And The Partners In Flight High-Priority Bird Species List

| Common Name | Scientific Name | USFWS Species of Concern | State of Utah Special Status Species | Partners in Flight High-Priority Bird Species | Primary Breeding Habitat | Secondary Breeding Habitat | Winter Habitat |
|----------------------|----------------------------|--------------------------|--------------------------------------|---|--------------------------|----------------------------|----------------|
| Yellow-billed Cuckoo | <i>Coccyzus americanus</i> | X | X | X | Lowland riparian | Agriculture | Migrant |

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