

United States
Department of
Agriculture

Forest Service

1996

CRANE MOUNTAIN SALVAGE SUPPLEMENT



Swan Lake
Ranger District

Flathead
National Forest



ACRONYMS

The following list of acronyms may be useful in reviewing this document:

| | | | |
|--------|--|--------|--|
| AF | Subalpine Fir | MIS | Management Indicator Species |
| ARM | Administrative Rules of Montana | MMBF | Million Board Feet |
| BMAA | Bear Management Analysis Area | MPB | Mountain Pine Beetle |
| BMP's | Best Management Practices | MS | Management Situation |
| BMU | Bear Management Unit | NCDGBE | Northern Continental Divide Grizzly Bear Ecosystem |
| CEQ | Council for Environmental Quality | NEPA | National Environmental Protection Act |
| CFR | Code Federal Regulation | NFMA | National Forest Management Act |
| CFS | Cubic Feet per Second | NTU | Nephelometric Turbidity Units |
| DBH | Diameter Breast Height | OGAA | Old Growth Analysis Area |
| DEIS | Draft Environmental Impact Statement | ORD | Open Road Density |
| DF | Douglas Fir | PILT | Payments in Lieu of Taxes |
| EA | Environmental Assessment | PNV | Present Net Value |
| EIS | Environmental Impact Statement | PP | Ponderosa Pine |
| FEIS | Final Environmental Impact Statement | ROS | Recreation Opportunity Spectrum |
| FHRAA | Female Home Range Analysis Area | S | Spruce |
| FNF | Flathead National Forest | SHPO | State Historical Preservation Office |
| FSH | Forest Service Handbook | SMZ | Stream Management Zone |
| FSM | Forest Service Manual | T&E | Threatened and Endangered |
| GIS | Geographic Information System | TECALC | Transaction Evidence Equation Model |
| GF | Grand Fir | TPA | Trees Per Acre |
| HAU | Habitat Analysis Unit | TRD | Total Road Density |
| IDT | Interdisciplinary Team | TSA | Timber Sale Administrator |
| IGBG | Interagency Grizzly Bear Guidelines | USDA | United States Department of Agriculture |
| INFISH | Inland Native Fish Strategy | USFS | United States Forest Service |
| KV | Knudsen-Vandenburg | USFWS | United States Fish and Wildlife Service |
| L | Larch | VAC | Visual Absorption Capacity |
| LP | Lodgepole Pine | VQO's | Visual Quality Objectives |
| LRMP | Land and Resource Management Plan | WWP | Western White Pine |
| MA | Management Area | | |
| MBF | Thousand Board Feet | | |
| MDFWP | Montana Department Fish Wildlife and Parks | | |

APPENDIX E

The following table is added to Appendix E.

CRANE SALVAGE
TRAVEL MANAGEMENT
PREFERRED ALTERNATIVE - Alternative G (Modified)

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| RD NO | ACTION | RETAIN ON SYSTEM | PROBABLE DATE [1] | PROBABLE FUNDING | SEDIMENT/DRAINAGE INVENTORY |
|-------|--|------------------|-------------------|-------------------|-----------------------------|
| 10212 | Replace gate with berm. Revegetate roadway as needed. | Yes | 1997 | Maint/ Other. | Need Inventory |
| 10213 | Reclaim road. Signed decision letter. Construct awarded. | No | Summer 1996 | Funded | |
| 10614 | Trail access. To remain open. | Yes | | | |
| 9700 | No work needed. | Yes | | | |
| 10610 | Replace damaged gate with berm. Revegetate roadway. | Yes | FY 2000 | Timber Sale | |
| 496Y | Reclaim road. | No | FY 1999 | Timber Sale/KV | |
| 496B | Replace existing berm. Revegetate roadway. | Yes | FY 1997 | Timber Sale | |
| 9701 | Retain gate, construct berm at MP 0.3 to allow access to gravel stockpile. Revegetate roadway. | Yes | FY 2000 | Timber Sale | |
| 9705 | Replace gate with berm. Revegetate roadway. From junction with 9703 to end. place in historic status. | Yes | FY 2000 | Timber Sale | |
| 9705A | Revegetate roadway. | Yes | FY 2000 | Timber Sale/KV | |
| 9793 | Revegetate and drain roadway. | Yes | FY 2000 | Timber Sale | |
| 496A | No work needed. | Yes | | | |
| 9751 | Retain gate, construct berm at Junction of 10215. Revegetate roadway behind berm. | Yes | 1998 | Timber Sale/KV | |
| 10215 | No work needed. | Yes | | | |
| 10216 | Construct berm at MP 0.2. Revegetate roadway behind berm. | Yes | 1998 | Timber Sale/KV | |
| 9704 | Retain gate at MP 0.5. Construct drain dips at Howsley Creek. | Yes | 1997 | Timber Sale | |
| 10218 | Berm and reclaim road. Convert to non-motorized trail. | No | FY 1998 | Timber Sale/KV | |
| 10219 | Berm road. | Yes | FY 1998 | Timber Sale | |
| 9704Z | Berm and reclaim road. | No | FY 2000 | Timber Sale/KV | Need inventory. |
| 10220 | Berm road. | Yes | FY 2000 | Timber Sale | |
| 10221 | Berm and reclaim road. | No | FY 2000 | Timber Sale/KV | Need inventory. |
| 10609 | Berm road. Remove CMP at No-see-em Creek. | Yes | FY 2000 | Timber Sale | |

NOTE:

[1] Earliest probable date.

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| RD NO | ACTION | RETAIN ON SYSTEM | PROBABLE DATE | PROBABLE FUNDING | SEDIMENT/DRAINAGE INVENTORY |
|--------|---|------------------|---------------|------------------|-----------------------------|
| 9723 | Berm and reclaim road. | No | FY 2000 | Timber Sale/KV | Need inventory. |
| 9754 | Reclaim road. | No | FY 2000 | Timber Sale/KV | Need inventory. |
| 9754A | Reclaim road. | No | FY 2000 | Timber Sale/KV | Need inventory. |
| 10222 | Replace existing berm. | Yes | FY 1999 | Timber Sale | |
| 10222A | Place in historic status. | No | 1996 | | |
| 9755 | Retain gate, construct berm at MP 0.8. Road behind berm will revert to trail. | Yes | FY 2000 | Timber Sale | |
| 9708 | Replace gate with berm, reclaim road. Active reclamation on first 1/4 mile. | No | FY 2000 | T Sale/ Other | Need inventory. |
| 9756 | Reclaim road. | No | FY 2000 | T Sale/ Other | Need inventory. |
| 9757 | Reclaim road. | No | 1998 | Other | Need inventory. |
| 10223 | Reclaim road. | No | 1998 | Other | Need inventory. |
| 498 | At junction with road 9708, const. berm, begin reclamation. Active reclamation for first 1/2 mile. | No | FY 2000 | Timber Sale | Need inventory. |
| 498 | From junction with road 9847 to end. Reclaim road. Signed decision letter, contract awarded. | No | Summer 1996 | Funded | |
| 10626 | Remove gate, construct berm. Active reclamation for first 1/4 mile. | No | 1998 | Other | |
| 9722 | Revegetate roadway. | No | 1998 | Maint. | |
| 9702 | Remove gate, construct berm. Reclaim road | No | 1998 | Maint./ Other | Need inventory. |
| 9885 | Remove gate, construct berm. Revegetate roadway. | No | FY 2000 | Timber Sale | |
| 9885A | Revegetate roadway. | No | FY 2000 | Timber Sale | |
| 10612 | Revegetate roadway. | No | FY 2000 | Timber Sale | |
| 9874 | Construct berm, reclaim road. | No | FY 2000 | Timber Sale/KV | Need inventory. |
| 10618 | Reclaim road. | No | FY 2000 | Timber Sale | Need inventory. |
| 9896 | Remove gate, construct berm. Revegetate roadway. | No | FY 2000 | Timber Sale | |
| 10617 | Remove gate, construct berm. Revegetate roadway. | No | FY 2000 | Timber Sale | |

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| RD NO | ACTION | RETAIN ON SYSTEM | PROBABLE DATE | PROBABLE FUNDING | SEDIMENT/DRAINAGE INVENTORY |
|-------|--|------------------|---------------|------------------|-----------------------------|
| 9849 | Construct berm. Revegetate roadway. | No | FY 2000 | Timber Sale | |
| 9847 | Construct berm. Revegetate roadway. | No | FY 2000 | Timber Sale | |
| 9857 | Reclaim road. Signed decision letter, contract awarded. | No | Summer 1996 | Funded | |
| 9817 | Reclaim road. Signed decision letter, contract awarded. | No | Summer 1996 | Funded | |
| 9687 | Reclaim road. Signed decision letter, contract awarded. | No | Summer 1996 | Funded | |
| 9714 | Remove gate, construct berm. Allow for snowmobile passage. | Yes | 1998 | Maint/ Other | Need Inventory. |
| 9703 | Construct berm. | Yes | 1998 | Maint/ Other | |
| 9714Y | Place in historic status. | No | 1996 | | Need Inventory. |
| 10616 | Place in historic status. | No | 1996 | | Need Inventory. |
| 129 | Construct berm and reclaim road at junction with road 5247. Signed decision letter, contract awarded. | No | Summer 1996 | Funded | |
| 9715 | To remain open. Access to private lands. | Yes | | | |
| 9776 | No work needed. | Yes | | | |
| 9737 | No work needed. | Yes | | | |
| 9730 | No work needed. | Yes | | | |
| 129Y | Place in historic status. | No | 1996 | | |
| 10136 | No work needed. | Yes | | | |
| 10135 | Construct berm and reclaim road from HP 0.85 to end. Signed decision letter, contract awarded. | Yes/ No | Summer 1996 | Funded | |
| 5247 | Construct berm and reclaim road. Signed decision letter, contract awarded. | No | Summer 1996 | Funded | |
| 10137 | Construct berm and reclaim road. Signed decision letter, contract awarded. | No | Summer 1996 | Funded | |
| 9745 | To remain open. | Yes | | | |
| 9732 | Remove gate, construct berm. | Yes | FY 2000 | Maint/ Other | |
| 9732A | No work needed. | Yes | | | |

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| RD NO | ACTION | RETAIN ON SYSTEM | PROBABLE DATE | PROBABLE FUNDING | SEDIMENT/DRAINAGE INVENTORY |
|--------|--|------------------|---------------|------------------|-----------------------------|
| 9743 | Remove gate, construct berm and reclaim road. Signed decision letter, contract awarded. | No | Summer 1996 | Funded | |
| 10630 | Reclaim road. Signed decision letter, contract awarded. | No | Summer 1996 | Funded | |
| 10630Y | Place in historic status. | No | 1996 | | |
| 9735 | Reclaim road. Signed decision letter, contract awarded. | No | Summer 1996 | Funded | |
| 9736 | Reclaim road. Signed decision letter, contract awarded. | No | Summer 1996 | Funded | |
| 9741 | No work needed. | Yes | | | |
| 9742 | No work needed. | Yes | | | |
| 10627 | Place in historic status. | No | 1996 | | |
| 10638 | Place in historic status. | No | 1996 | | |
| 9711 | Construct berm and reclaim road. | No | 1997 | Other | |
| 9711A | Reclaim road. | No | 1997 | Other | |
| 9812 | Revegetate roadway. | No | 1997 | Maint/ Other. | |
| 9823 | Revegetate roadway. | No | 1997 | Maint/ Other. | |
| 9824 | Revegetate roadway. | No | 1997 | Maint/ Other. | |
| 9748 | Revegetate roadway. | No | 1997 | Maint/ Other. | |
| 5242 | Remove gate, construct berm, reclaim road. | No | 1997 | Other | |
| 5243 | Reclaim road. | No | 1997 | Other | |
| 5245 | Reclaim road. | No | 1997 | Other | |
| 5244 | Reclaim road. | No | 1997 | Other | |
| 5244A | Reclaim road. | No | 1997 | Other | |
| 9779 | Construct berm and reclaim road. | No | 1997 | Other | |
| 9720 | Construct berm and reclaim road. | No | 1997 | Other | |

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| RD NO | ACTION | RETAIN ON SYSTEM | PROBABLE DATE | PROBABLE FUNDING | SEDIMENT/DRAINAGE INVENTORY |
|-------|--|------------------|---------------|------------------|-----------------------------|
| 5246 | No work needed. | Yes | | | |
| 9717 | Construct berm and reclaim road. | No | 1997 | Other | |
| 9717A | Place in historic status. | No | 1996 | | |
| 9803 | Install gate. Seasonal closure (Spring and fall) to protect road surface. | Yes | 1997 | Maint. | |
| 9719 | To remain open. | Yes | | | |
| 10584 | Place in historic status. | No | 1996 | | |
| 9726 | Remove gate, construct berm and reclaim road. | No | 1997 | Other | |
| 9726A | Reclaim road. | No | 1997 | Other | |
| 9726B | Reclaim road. | No | 1997 | Other | |
| 9726Y | Reclaim road. | No | 1997 | Other | |
| 10585 | Reclaim road, plant trees for first 500 ft. | No | 1997 | Other | |
| 9719X | Reclaim road. | No | 1997 | Other | |
| 9719Y | Reclaim road. | No | 1997 | Other | |
| 9713 | Install gate at junction with road 10229, construct berm at junction with road 9714. | Yes | 1997 | Maint. | |
| 9746 | Construct berm and reclaim road. | No | 1997 | Other | |
| 9746C | No work needed. | No | 1996 | | Inventory needed. |
| 9765 | Remove gate, construct berm and reclaim road. | No | 1997 | Other | |
| 9770 | Construct berm and reclaim road. | No | 1997 | Other | |
| 9765A | Construct berm and reclaim road. | No | 1997 | Other | Inventory needed. |
| 9749 | Construct berm, revegetate roadway. | No | 1997 | Maint/ Other. | Inventory needed. |
| 9712 | Construct berm at junction with road 9713. Reclaim road. | No | 1997 | Other | |

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| RD NO | ACTION | RETAIN ON SYSTEM | PROBABLE DATE | PROBABLE FUNDING | SEDIMENT/DRAINAGE INVENTORY |
|--------|--|------------------|---------------|------------------|-----------------------------|
| 9717 | Reclaim road. | No | 1997 | Other | |
| 9747 | Reclaim road. | No | 1997 | Other | |
| 9804 | Construct berm and reclaim road. | No | 1997 | Other | |
| 9724 | Place in historic status after construction of berm. | No | 1996 | Maint. | |
| 9725 | Place in historic status after construction of berm. | No | 1996 | Maint. | |
| 9727 | Remove existing gate, construct berm. | Yes | 1997 | Maint. | |
| | Install gate at MP 4.4 (Yearlong restriction). | Yes/ | 1996 | Maint. | |
| 10229 | Remove existing gate, const. berm at MP 10.5, reclaim road beyond. | No | 1997 | Other | |
| | Construct berm at junction with road 10229. | | | | |
| 9712 | Repair CMP near junction with road 9766, revegetate roadway. | Yes | 1998 | Maint. | |
| 9766 | No work needed. | Yes | | | |
| 9766 | Construct berm and reclaim road. | No | 1997 | Other | |
| 9818 | Reclaim road. Signed decision letter. Contract awarded. | No | Summer 1996 | Funded | |
| 10540 | Place in historic status. | No | 1996 | | |
| 10229F | Place in historic status. | No | 1996 | | |
| 10539 | Place in historic status. | No | 1996 | | |
| 10229Y | Place in historic status. | No | 1996 | | |
| 10532 | Remove existing gate, construct berm. | Yes | 1998 | Maint/ Other | |
| 10541 | Reclaim road. | No | 1997 | Other | |
| | Remove existing gate, construct berm beyond Porcupine Cr. CMP. | | | | |
| 10543 | Reclaim road beyond berm. | No | 1997 | Other | |
| 10535 | Construct berm and reclaim road. | No | 1997 | Other | |
| 10533 | Construct berm and reclaim road. | No | 1997 | Other | |
| 10534 | Reclaim road. | No | 1997 | Other | |
| 10533A | Place in historic status. | No | 1996 | | |

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