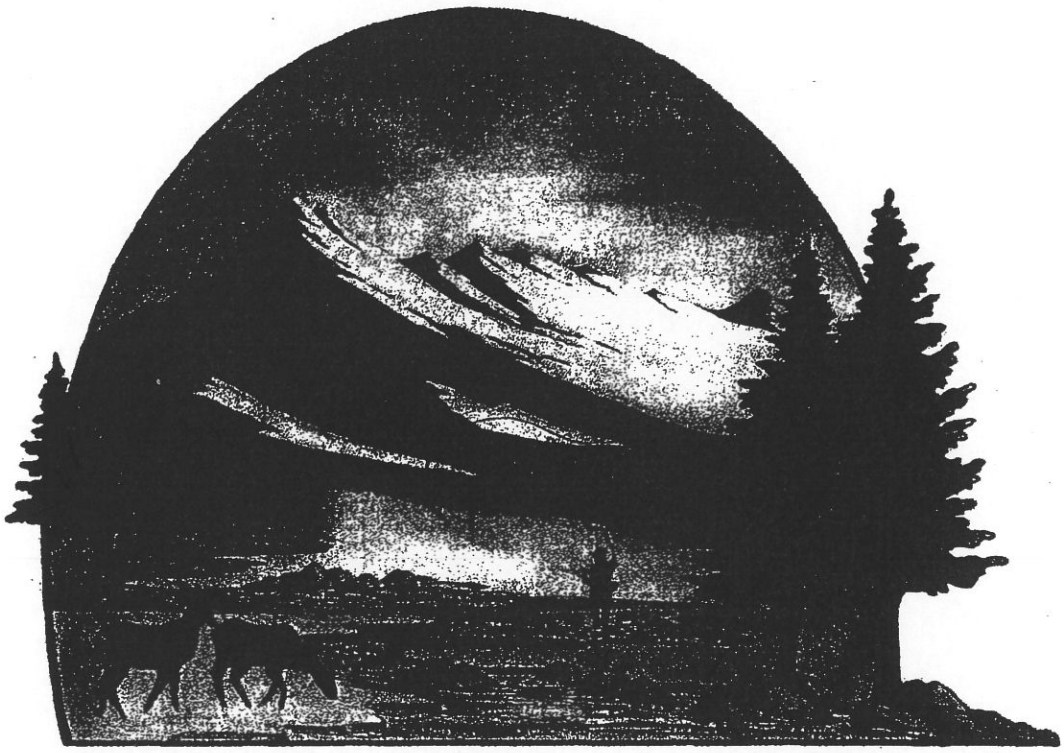

Gallatin National Forest

FOREST PLAN MONITORING REPORT

Fiscal Years 2007-2011

TABLE OF CONTENTS

Item No. 1 | Forest Outputs & Services

A. Summary of Forest Plan Direction

Forest Plan monitoring requirement #1 is to provide a quantitative estimate of performance outputs and services. (Forest Plan Table IV-1, page IV-5).

B. Introduction

Program planning, budgeting and tracking of accomplishments is done through a Forest Service software program called "Work Plan". Annual reporting of accomplishments is required in order to demonstrate to Congress and the public that the funding allocated for Forest management is being used as intended. Accomplishments that fall short of targets can also be an indication problems such as insufficient funding and/or staffing.

C. Monitoring Results

FISCAL YEAR 2007

WorkPlan

Accomplishment Summary
Report ID: Accomp1

Unit: 0111 GALLATIN
Fiscal Year: 2007

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Code	Description	Units	Target Amount	Planned Amount	Planned Balance	Actual Amount	Actual Balance
ADM-UNITS-EXTL-AUDT	Number of administrative units where external audits were conducted	UNITS	1	0	1	--	--
AML-SIT-MITG	Number of AML Safety Risk Features mitigated to no further action	NUMBER	10	10	0	17	-7
AML-SIT-MITG-CERCLA	Abandoned Mine Land sites mitigated using CERCLA authority	SITE	1	1	0	1	0
AML-SIT-MITG-NON-CERCLA	Abandoned Mine Land sites mitigated using non-CERCLA authority	SITE	0	0	0	0	0
ANAD-LAK-HBT-ENH	Acres of anadromous lake habitat enhanced	ACRE	0	0	0	0	0
ANAD-STRM-HBT-ENH	Miles of anadromous stream habitat enhanced	MILE	0	0	0	0	0
ANN-EVAL-RPT-CMPLT	Number of annual evaluation reports completed	REPORT	1	1	0	1	0
ANN-MON-REQ-CMPLT	Annual monitoring requirements completed	REQUIREMENT	10	10	0	10	0
APL-DRL-GEO-PROC	Number of applications for permit to drill and geothermal permits to drill processed	APPLICATIONS	0	0	0	0	0
BDSCL-ECSYS-ASSES-CMPLT	Ecosystem Assessments completed	ASSESSMENT	0	0	0	0	0
BLDG-WWS-DAM-DECOM	Buildings, water / waste water facilities, and dams decommissioned	NUMBER	5	5	0	--	--
BRDG-CNSTR-RCNSTR	Bridges constructed or reconstructed	BRIDGE	0	1	-1	--	--
BRDG-MAINT-STD	Number of bridges in acceptable condition	BRIDGE	0	52	-52	--	--
DEF-MAINT-BKLG-RED	Reduction in dollars of deferred maintenance backlog	DOLLAR US	0	0	0	--	--
ECAP-AUDT-FNDGS-RSLVD	Number of significant or major ECAP audit findings resolved.	FINDING	0	0	0	--	--
FAC-MAINT-STD	Number of FA&O Facilities maintained to standard	NUMBER	94	94	0	--	--
FAC-PROJ-CMPLT	Major project list facilities accomplished on time and within budget	PROJECT	0	0	0	--	--
FOR-REHB-RSTR	Number of forestland rehabilitation and restoration projects	PROJECT	0	0	0	6	-6
FOR-VEG-EST	Acres of forest vegetation established	ACRE	234	331	-97	--	--
FOR-VEG-IMP	Acres of forestland vegetation improved	ACRE	100	261	-161	--	--
FP-FUELS-ALL	Number of acres treated to reduce the risk of catastrophic wildland fire	ACRE	4,108	4,108	0	--	--
FP-FUELS-BRSH-DSPSL	Acres of Harvest-Related Woody Fuels treated	ACRE	129	0	129	--	--
FP-FUELS-WUI	Number of WUI acres treated	ACRE	3,188	0	3,188	--	--
GEO-RSRC-HZDS-MGD	Number of geologic resources and hazards managed	NUMBER	6	6	0	6	0
HBT-ENH-LAK	Acres of lake habitat restored or enhanced	ACRE	10	0	10	0	10
HBT-ENH-STRM	Miles of stream habitat restored or enhanced	MILE	8	0	8	0	8
HBT-ENH-TERR	Acres of wildlife habitat (terrestrial) (TES and non TES) restored or improved	ACRE	280	0	280	0	280

WorkPlan

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HBT-ENH-TERR-STWD	Acres of wildlife habitat (terrestrial) (TES and non TES) restored or improved under stewardship contract/agreement	ACRE	0	0	0	0	0
HRTG-MGD-STD	Priority Heritage assets managed to standard	ASSET	23	23	0	23	0
INLND-LAK-HBT-ENH	Acres of inland Lake habitat enhanced	ACRE	0	10	-10	12	-12
INLND-STRM-HBT-ENH	Miles of inland stream habitat enhanced	MILE	0	8	-8	28.5	-28.5
INV-DAT-ACQ	Acres of inventoried data collected and acquired	ACRE	0	0	0	--	--
INV-DAT-ACQ-STD	Acres of inventory data collected or acquired meeting corporate standards	ACRE	0	0	0	--	--
INVPLT-NXWD-FED-AC	Highest priority acres treated annually for noxious weeds and invasive plants on National Forest System lands	ACRE	1,900	1,900	0	--	--
LMP-AMND-UW	LMP Amendments underway	AMENDMENT	0	0	0	0	0
LMP-UW	LMP Revisions/Creations underway	PLAN	0	0	0	0	0
LND-ADJ	Acres of land adjustments to conserve the integrity of undeveloped lands and habitat quality	ACRE	2,128	2,128	0	2,131	-3
LND-BL-MAINT-STD	Miles of land ownership boundary maintained to standard	MILE	0	10	-10	24	-24
LND-BL-MRK-MAINT	Miles of boundary line marked/maintained to standard	MILE	14	0	14	0	14
LND-BL-MRK-STD	Miles of land ownership boundary marked to standard	MILE	0	8	-8	15	-15
LND-SUP-ADM-STD	Land use authorizations administered to standard	AUTHORIZATIONS	60	61	-1	--	--
LND-TTL-MGMT-CASES-RSLVD	Number of title management cases resolved or completed to standard	CASE	2	2	0	5	-3
LND-USE-PROP-APL-PROC	Number of land use proposals and applications processed	NUMBER	28	28	0	--	--
MIN-CNTRCT-PRMT-SIT-EXST	Number of existing salables contracts, free-use permits, and active mineral collection sites and community use pits administered.	NUMBER	0	55	-55	64	-64
MIN-CNTRCT-PRMT-SIT-NEW	Number of new saleables contracts, free-use permits and mineral collection sites and community use pits opened	NUMBER	0	93	-93	171	-171
MIN-NOI-PROC	Number of mineral notices of intent processed	NUMBER	0	5	-5	5	-5
MIN-PLN-ADMINISTERED	Number of mineral operations administered to standard	NUMBER	59	0	59	--	--
MIN-PLN-OP-ADM	Number of mineral plans of operations administered	NUMBER	0	4	-4	4	-4
MIN-PLN-OP-PROC	Number of mineral plans of operations processed	NUMBER	0	4	-4	4	-4
MIN-PLN-PROCESSED	Number of mineral proposals processed	NUMBER	102	0	102	--	--
MON-REQ-ANN	Number of monitoring requirements for the year	NUMBER	10	0	10	0	10

WorkPlan

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Code	Description	Units	Target Amount	Planned Amount	Planned Balance	Actual Amount	Actual Balance
NFS-LND-TVL-MGMT-PLN	Acres of national forest system lands covered by a motor vehicle use map	ACRE	1,850,605	1,850,605	0	1,850,605	0
NON-NRG-LEAS-ACT-ADM	Number of non-energy leasable operations administered	NUMBER	0	0	0	0	0
NON-NRG-LEAS-ACT-PROC	Number of non-energy leasable actions	NUMBER	0	0	0	0	0
NON-T&E-HBT-ENH	Acres of non-threatened/endangered terrestrial habitat enhanced	ACRE	0	300	-300	200	-200
NRG-FAC-PROC-PSTDUE	Number of energy facility applications processed that exceeded prescribed timeframes	APPLICATIONS	0	0	0	0	0
NRG-MIN-PROP-PSTDUE	Number of energy mineral proposals processed or pending outside of prescribed timeframes.	APPLICATIONS	0	0	0	2	-2
OIL-GAS-GEO-PRMT-PROC	Number of oil and gas and geothermal leases processed.	APPLICATIONS	0	0	0	0	0
OTH-LEAS-OP-ADM	Number of other energy leasable mineral operations administered	NUMBER	0	0	0	0	0
RD-DECOM	Miles of road decommissioned	MILE	2	2	0	--	--
RD-DECOM-STWD	Miles of road decommissioned	MILE	0	0	0	--	--
RD-HC-IMP	Miles of high clearance system roads improved	MILE	0	0	0	--	--
RD-HC-IMP-STWD	Miles of high clearance system roads improved with stewardship contract/agreement	MILE	0	1.2	-1.2	--	--
RD-HC-MAINT	Miles of high clearance system roads receiving maintenance	MILE	48	57	-9	--	--
RD-PC-IMP	Miles of passenger car system roads improved	MILE	1	1	0	--	--
RD-PC-IMP-STWD	Miles of passenger car system roads improved with stewardship contract/agreement	MILE	0	1.3	-1.3	--	--
RD-PC-MAINT	Miles of passenger car system roads receiving maintenance	MILE	267	313	-46	--	--
RD-RSTR-RPLCD	Miles of road restoration/ replacement	MILE	0	0	0	0	0
REC-ED-PLN-IMPL	Number of interpretive and conservation education plans implemented	PLAN	1	0	1	0	1
REC-PAOT-DAYS-ADM-STD	Recreation site capacity operated to standard	PAOT	447,366	447,366	0	469,734	-22,368
REC-SIT-STD	Recreation sites maintained to standard	SITE	112	112	0	--	--
REC-SUP-ADM	Recreation special use authorizations administered to standard	AUTHORIZATIONS	120	120	0	--	--
RG-GZ-ADM	Grazing allotment acres managed	ACRE	0	0	0	--	--
RG-GZ-ADM-STD	Grazing allotment acres managed to 100% standard	ACRE	208,000	150,000	58,000	--	--
RG-GZ-NEPA	Grazing Allotments with signed decision notices	ALLOTMENT	5	5	0	--	--
RG-M&E	Acres of rangeland monitored and evaluated (effectiveness monitoring)	ACRE	0	0	0	0	0
RG-VEG-IMP	Acres of rangeland vegetation improved	ACRE	10,000	10,000	0	10,000	0

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Code	Description	Units	Target Amount	Planned Amount	Planned Balance	Actual Amount	Actual Balance
ROW-ACQ	Rights of way acquired to provide public access	EASEMENT	2	2	0	2	0
S&W-RSRC-IMP	Soil and water resource acres improved	ACRE	88	100	-12	88	0
SFTY-ACCDNT-INVSTG	Safety Recordkeeping & Accident Investigation Rating	RATING	0	3	-3	2.5	-2.5
SFTY-ANLSIS	Safety Program Analysis & Evaluation Rating	RATING	0	3	-3	2	-2
SFTY-HLTH-PROMTN	Safety & Health Promotion Rating	RATING	0	3	-3	2.5	-2.5
SFTY-INSPCTN	Safety Inspections Rating	RATING	0	3	-3	1.8	-1.8
SFTY-PRGM-MGMT	Safety Program Management Rating	RATING	0	3	-3	2.9	-2.9
SFTY-TRNG	Safety Education & Training Rating	RATING	0	3	-3	2.13	-2.13
SP-FUELS-PRTNR	Number of non-federal acres of hazardous fuels treated under partnership agreements to protect communities	ACRE	0	0	0	--	--
STIP-PROJ	Number of projects on State Transportation Improvement Plans	PROJECT	0	0	0	0	0
T&E-ACT-COMPLT	Number of T&E Species for which recovery actions are accomplished	SPECIES	1	1	0	--	--
T&E-HBT-ENH	Acres of threatened/endangered species terrestrial habitat enhanced	ACRE	0	0	0	100	-100
TL-IMP-STD	Miles of system trail improved to standard	MILE	35	42.2	-7.2	37	-2
TL-MAINT-STD	Miles of system trail receiving maintenance to standard	MILE	756	756	0	799	-43
TL-SYS-STD	Miles of system trail meeting standard	MILE	0	0	0	836	-836
TMBR-VOL-SLD	Volume of Regular Timber sold (CCF)	CCF	11,890	3,800	8,090	--	--
TMBR-VOL-SLD-SLVG	Volume of Salvage Timber sold (CCF)	CCF	7,400	3,400	4,000	--	--
VRFY-ENV-MGMT-SYS	Number of verified environmental management systems	SYSTEM	1	0	1	0	1
VSTR-USE-MON-SIT-CMPLT	Visitor Use Monitoring Sites completed	SURVEY DAYS	0	0	0	--	--
WL-I&E-PROD	Number of wildlife interpretation and education products	PRODUCT	0	30	-30	40	-40
WLD-MGD-STD	Wilderness Areas managed to minimum stewardship level	NUMBER	1	1	0	--	--
WLD-SCE-RVR-MGD-STD	Wild and Scenic Rivers meeting statutory requirements	NUMBER	0	0	0	--	--

FISCAL YEAR 2008

WorkPlan

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Code	Description	Units	Target Amount	Planned Amount	Planned Balance	Actual Amount	Actual Balance
ADM-FAC-MAINT-STD	Number of Administrative Facilities that are being maintained to standard	NUMBER	0	0	0	--	--
ADM-UNITS-EXTL-AUDT	Number of administrative units where external audits were conducted	UNITS	0	0	0	--	--
AML-SIT-MITG	Number of AML Safety Risk Features mitigated to no further action	NUMBER	6	6	0	29	-23
AML-SIT-MITG-CERCLA	Abandoned Mine Land sites mitigated using CERCLA authority	SITE	0	0	0	0	0
AML-SIT-MITG-NON-CERCLA	Abandoned Mine Land sites mitigated using non-CERCLA authority	SITE	0	0	0	0	0
ANAD-INLND-HBT-ENH-STRM	Miles of stream habitat restored or enhanced (for planned and actuals)	MILE	0	0	0	0	0
ANN-EVAL-RPT-CMPLT	Number of annual evaluation reports completed	REPORT	0	1	-1	1	-1
ANN-MON-REQ-CMPLT	Annual monitoring requirements completed	REQUIREMENT	10	10	0	10	0
BIO-NRG	Green tons from small diameter and low value trees removed from National Forest System lands and made available for bio-energy production	GREEN TONS	0	0	0	--	--
BLDG-WWS-DAM-DISP	Buildings, water / waste water facilities, and dams disposed	NUMBER	7	7	0	--	--
BRDG-CNSTR-RCNSTR	Bridges constructed or reconstructed	BRIDGE	0	3.5	-3.5	--	--
BRDG-MAINT-STD	Number of bridges in acceptable condition	BRIDGE	0	61	-61	--	--
DEF-MAINT-BKLG-RED	Reduction in dollars of deferred maintenance backlog	DOLLAR US	0	36,000	-36,000	--	--
ECSYS-ASSES-CMPLT	Ecosystem Assessments completed	ASSESSMENT	1	1	0	1	0
FAC-MAINT-STD	Number of FA&O Facilities maintained to standard	NUMBER	0	0	0	--	--
FAC-PROJ-CMPLT	Major project list facilities accomplished on time and within budget	NUMBER	1	1	0	--	--
FAO-FAC-MAINT-STD	Number of FA&O Facilities maintained to standard	NUMBER	99	104	-5	--	--
FOR-REHB-RSTR	Number of forestland rehabilitation and restoration projects	PROJECT	0	6	-6	6	-6
FOR-VEG-EST	Acres of forest vegetation established	ACRE	500	500	0	--	--
FOR-VEG-IMP	Acres of forestland vegetation improved	ACRE	775	775	0	--	--
FP-FUELS-ALL	Number of acres treated to reduce the risk of catastrophic wildland fire	ACRE	5,013	0	5,013	--	--
FP-FUELS-ALL-STWD	Total number of acres treated under stewardship contract or agreement to reduce the risk of catastrophic wildland fire	ACRE	0	125	-125	--	--
FP-FUELS-NON-WUI	Acres of hazardous fuels treated outside the wildland/urban interface (WUI) to reduce the risk of catastrophic wildland fire	ACRE	0	3,658	-3,658	--	--
FP-FUELS-WUI	Number of WUI acres treated	ACRE	0	1,705	-1,705	--	--
GEO-HZDS-MGD	Number of geologic hazards managed (landslides, debris flows, karst areas, volcanoes, faults, etc.)	NUMBER	4	4	0	3	1

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Code	Description	Units	Target Amount	Planned Amount	Planned Balance	Actual Amount	Actual Balance
GEO-RSRC-MGD	Number of geologic resources managed (paleontology, ground water, caves, etc.)	NUMBER	3	3	0	3	0
HBT-ENH-LAK	Acres of lake habitat restored or enhanced (for target and roll-up)	ACRE	20	0	20	0	20
HBT-ENH-STRM	Miles of stream habitat restored or enhanced (for target and roll-up)	MILE	40	0	40	0	40
HBT-ENH-TERR	Acres of wildlife habitat (terrestrial) (TES and non TES) restored or improved (for target and roll-up)	ACRE	4,000	0	4,000	0	4,000
HBT-ENH-TERR-STWD	Acres of wildlife habitat (terrestrial) (TES and non TES) restored or improved under stewardship contract/agreement	ACRE	0	0	0	0	0
HRTG-MGD-STD	Priority Heritage assets managed to standard	ASSET	40	40	0	--	--
INLND-LAK-HBT-ENH	Acres of inland Lake habitat enhanced (for planned and actuals)	ACRE	0	20	-20	54	-54
INLND-STRM-HBT-ENH	Miles of inland stream habitat enhanced (for planned and actuals)	MILE	0	44.5	-44.5	68	-68
INV-DAT-ACQ	Acres of inventoried data collected and acquired	ACRE	1,150	1,150	0	1,150	0
INVPLT-NXWD-FED-AC	Highest priority acres treated annually for noxious weeds and invasive plants on NFS lands	ACRE	5,400	5,568	-168	--	--
INVSPE-TERR-FED-AC	Highest priority acres treated annually for invasive terrestrial and aquatic species on National Forest System lands	ACRE	0	0	0	--	--
LMP-AMND-CMPLT	LMP Amendments completed	AMENDMENT	0	0	0	0	0
LMP-AMND-UW	LMP Amendments underway	AMENDMENT	0	0	0	0	0
LMP-PLN-CMPLT	Number of LMP revisions/creations completed	PLAN	0	0	0	0	0
LMP-PLN-OG	Number of LMP revisions/creations ongoing	PLAN	0	0	0	0	0
LND-ACQ-PROT-FED	Acres acquired or donated that improve and maintain ecological condition for identified species	ACRE	0	0	0	0	0
LND-ADJ	Acres of land adjustments to conserve the integrity of undeveloped lands and habitat quality	ACRE	1	4	-3	3	-2
LND-BL-MAINT-STD	Miles of property line maintained to standard	MILE	0	14	-14	19	-19
LND-BL-MRK-MAINT	Miles of property line marked/maintained to standard	MILE	18	0	18	0	18
LND-BL-MRK-STD	Miles of property line marked to standard	MILE	0	5	-5	8	-8
LND-PURCH	Acres acquired through purchases or donation	ACRE	80	80	0	0	80
LND-PURCH-REC-AC	Acres acquired or donated that provide access for high quality outdoor recreational opportunities	ACRE	0	0	0	0	0
LND-SUP-ADM-STD	Land use authorizations administered to standard	AUTHORIZATIONS	100	100	0	--	--
LND-TTL-MGMT-CASES-RSLVD	Number of title management cases administratively completed to standard	CASE	2	2	0	3	-1

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Code	Description	Units	Target Amount	Planned Amount	Planned Balance	Actual Amount	Actual Balance
LND-USE-PROP-APL-PROC	Number of land use proposals and applications processed	NUMBER	0	25	-25	--	--
MIN-CNTRCT-PRMT-SIT-EXST	Number of existing saleables contracts, free-use permits, & active mineral collection sites & community use pits administered.	NUMBER	0	94	-94	89	-89
MIN-CNTRCT-PRMT-SIT-NEW	Number of new saleables contracts, free-use permits and mineral collection sites and community use pits opened	NUMBER	0	68	-68	128	-128
MIN-NOI-PROC	Number of mineral notices of intent processed	NOTICE	0	0	0	0	0
MIN-PLN-ADM	Number of mineral operations administered to standard	NUMBER	99	0	99	--	--
MIN-PLN-OP-ADM	Number of mineral plans of operations administered	OPERATIONS	0	5	-5	5	-5
MIN-PLN-OP-PROC	Number of mineral plans of operations processed	PLAN	0	5	-5	5	-5
MIN-PLN-PROC	Number of mineral proposals processed	NUMBER	73	0	73	--	--
MON-REQ-ANN	Number of monitoring requirements for the year	NUMBER	10	0	10	0	10
NFS-LND-TVL-MGMT-PLN	Acres of national forest system lands covered by travel management implementation plans	ACRE	1,850,605	1,850,605	0	1,850,605	0
NON-NRG-LEAS-ACT-ADM	Number of non-energy leasable operations administered	ACTIONS	0	0	0	0	0
NON-NRG-LEAS-ACT-PROC	Number of non-energy leasable actions processed	ACTIONS	0	0	0	0	0
NON-T&E-HBT-ENH	Acres of non-threatened/endangered terrestrial habitat enhanced	ACRE	0	2,983	-2,983	2,470	-2,470
NRG-MIN-PROP-PSTDUE	Number of energy mineral proposals processed or pending outside of prescribed timeframes	APPLICATIONS	0	2	-2	2	-2
RD-DECOM	Miles of road decommissioned	MILE	2	42	-40	--	--
RD-DECOM-STWD	Miles of road decommissioned	MILE	0	0	0	--	--
RD-HC-IMP	Miles of high clearance system roads improved	MILE	0	5.2	-5.2	--	--
RD-HC-IMP-STWD	Miles of high clearance system roads improved with stewardship contract/agreement	MILE	0	0	0	--	--
RD-HC-MAINT	Miles of high clearance system roads receiving maintenance	MILE	42	54	-12	--	--
RD-PC-IMP	Miles of passenger car system roads improved	MILE	6	13.2	-7.2	--	--
RD-PC-IMP-STWD	Miles of passenger car system roads improved with stewardship contract/agreement	MILE	0	0	0	--	--
RD-PC-MAINT	Miles of passenger car system roads receiving maintenance	MILE	274	348	-74	--	--
RD-PC-OP-PC	Miles of Passenger car roads operating at ML 3, 4, or 5	MILE	0	0	0	--	--
REC-CPCTY-ACC	Recreation site capacity (PAOTs) that meets accessibility standards	PAOT	0	2,078	-2,078	--	--
REC-ED-PLN-IMPL	Number of interpretive and conservation education plans	PLAN	1	1	0	0	1

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Code	Description	Units	Target Amount	Planned Amount	Planned Balance	Actual Amount	Actual Balance
	implemented						
REC-PAOT-DAYS-ADM-STD	Recreation site capacity operated to standard	PAOT DAYS	447,366	447,366	0	469,700	-22,334
REC-SIT-STD	Recreation sites maintained to standard	SITE	150	168	-18	--	--
REC-SUP-ADM	Recreation special use authorizations administered to standard	PERMIT	120	120	0	--	--
RG-GZ-ADM-STD	Grazing allotment acres managed to 100% standard	ACRE	190,000	13,000	177,000	--	--
RG-GZ-HOR-CTL	AUM's of grazing - cattle & horses	AUM	0	0	0	--	--
RG-GZ-NEPA	Grazing Allotments with signed decision notices	ALLOTMENT	4	4	0	--	--
RG-M&E	Acres of rangeland monitored and evaluated (effectiveness monitoring)	ACRE	0	0	0	0	0
RG-STRU-IMP	Number of range structural improvements	STRUCTURE	0	30	-30	30	-30
RG-VEG-IMP	Acres of rangeland vegetation improved	ACRE	13,000	16,200	-3,200	9,400	3,600
ROW-ACQ	Rights of way acquired to provide public access	EASEMENT	3	3	0	3	0
S&W-RSRC-IMP	Acres of water or soil resources protected, maintained or improved to achieve desired watershed conditions.	ACRE	300	478	-178	469	-169
SFTY-ACCDNT-INVSTG	Safety Recordkeeping & Accident Investigation Rating	RATING	3	3	0	3	0
SFTY-ANLSIS	Safety Program Analysis & Evaluation Rating	RATING	3	3	0	3	0
SFTY-HLTH-PROMTN	Safety & Health Promotion Rating	RATING	3	3	0	3	0
SFTY-INSPCTN	Safety Inspections Rating	RATING	3	3	0	3	0
SFTY-PRGM-MGMT	Safety Program Management Rating	RATING	3	3	0	3.3	-0.3
SFTY-TRNG	Safety Education & Training Rating	RATING	3	3	0	3	0
SP-FUELS-PRTNR	Number of non-federal acres of hazardous fuels treated under partnership agreements to protect communities	ACRE	0	0	0	--	--
SP-INVSPE-FED-AC	Number of priority acres treated annually for invasive species on Federal lands	ACRE	0	0	0	--	--
SP-NATIVE-FED-AC	Number of priority acres treated annually for native pests on Federal lands	ACRE	460	460	0	--	--
STRM-CROS-MITG-STD	Number of stream crossings constructed or reconstructed to provide for aquatic organism passage	CROSSING	0	8	-8	--	--
STRU-PROJ	Number of structures or projects	NUMBER	0	3	-3	3	-3
T&E-ACT-COMPLT	Number of T&E Species for which recovery actions accomplished	SPECIES	0	0	0	--	--
T&E-HBT-ENH	Acres of threatened/endangered species terrestrial habitat enhanced	ACRE	0	600	-600	600	-600
T&E-NON-T&E-HBT-ENH	Acres of wildlife habitat (terrestrial: TES and non-TES) (for planned and	ACRE	0	163	-163	3	-3

Accomplishment Summary
Report ID: Accomp1

Unit: 0111 GALLATIN
Fiscal Year: 2008

Date: 04/17/2012
Time: 09:44 AM

Code	Description	Units	Target Amount	Planned Amount	Planned Balance	Actual Amount	Actual Balance
	actuals) restored or improved						
TL-IMP-STD	Miles of system trail improved to standard	MILE	26	33	-7	33	-7
TL-MAINT-STD	Miles of system trail maintained to standard	MILE	566	734.7	-168.7	643	-77
TL-RSTR-RPLCD	Miles of trail restoration/ replacement	MILE	0	0.5	-0.5	0.5	-0.5
TL-SYS-STD	Miles of system trail meeting standard	MILE	0	788	-788	788	-788
TMBR-BRSH-DSPSL	Acres of Harvest-Related Woody Fuels treated	ACRE	129	129	0	--	--
TMBR-VOL-HVST	Volume of Timber harvested (CCF)	CCF	0	9,230	-9,230	--	--
TMBR-VOL-SLD	Volume of Timber sold (CCF)	CCF	11,900	6,800	5,100	--	--
TMBR-VOL-SLD-STWD	Volume of Timber sold (CCF) under stewardship contract/agreement	CCF	0	4,000	-4,000	--	--
VSTR-USE-MON-SIT-CMPLT	Visitor Use Monitoring Sites completed	SURVEY DAYS	0	0	0	--	--
WLD-MGD-STD	Wilderness Areas managed to minimum stewardship level	NUMBER	0	0	0	--	--
WLD-SCE-RVR-MGD-STD	Wild and Scenic Rivers meeting statutory requirements	NUMBER	0	0	0	--	--

FISCAL YEAR 2009

WorkPlan

Accomplishment Summary
Report ID: Accomp1

Unit: 0111 GALLATIN
Fiscal Year: 2009

Date: 04/17/2012
Time: 09:45 AM

Code	Description	Units	Target Amount	Planned Amount	Planned Balance	Actual Amount	Actual Balance
ADM-FAC-MAINT-STD	Number of Administrative Facilities maintained to standard	BUILDING	91	100	-9	--	--
AML-SIT-MITG	Number of AML Safety Risk Features mitigated to no further action	NUMBER	15	15	0	14	1
AML-SIT-MITG-CERCLA	Abandoned Mine Land sites mitigated using CERCLA authority	SITE	0	0	0	0	0
AML-SIT-MITG-NON-CERCLA	Abandoned Mine Land sites mitigated using non-CERCLA authority	SITE	0	0	0	0	0
ANN-MON-REQ-CMPLT	Annual monitoring requirements completed	REQUIREMENT	10	10	0	5	5
AQ-MGMT	Number of air quality services provided	SERVICES PROVIDED	0	1	-1	1	-1
BIO-NRG	Green tons from small diameter and low value trees removed from NFS lands and made available for bio-energy production	GREEN TONS	0	0	0	--	--
BLDG-WWS-DAM-DISP	Buildings, water / waste water facilities, and dams disposed	NUMBER	8	8	0	--	--
BRDG-CNSTR-RCNSTR	Bridges constructed or reconstructed	BRIDGE	0	1	-1	--	--
DEF-MAINT-BKLG-RED	Reduction in dollars of deferred maintenance backlog	DOLLAR US	0	0	0	--	--
EVAL-RPT-CMPLT	Number of comprehensive evaluation reports completed	REPORT	0	1	-1	1	-1
FAC-PROJ-CMPLT	Major project list facilities accomplished on time and within budget	PROJECT	1	1	0	--	--
FOR-REHB-RSTR	Number of forestland rehabilitation and restoration projects	PROJECT	0	1	-1	1	-1
FOR-VEG-EST	Acres of forest vegetation established	ACRE	3,575	3,510	65	--	--
FOR-VEG-IMP	Acres of forestland vegetation improved	ACRE	160	560	-400	--	--
FOR-VEG-IMP-STWD	Acres of forestland vegetation improved under stewardship contract/agreement	ACRE	0	0	0	--	--
FP-FUELS-ALL	Number of acres treated to reduce the risk of catastrophic wildland fire	ACRE	7,573	0	7,573	--	--
FP-FUELS-NON-WUI	Acres of hazardous fuels treated outside the wildland/urban interface (WUI) to reduce the risk of catastrophic wildland fire	ACRE	0	240	-240	--	--
FP-FUELS-WUI	Acres wildland/urban interface (WUI) high-priority hazardous fuels treated to reduce the risk of catastrophic wildland fire	ACRE	0	9,341	-9,341	--	--
GEO-HZDS-MGD	Number of geologic hazards managed (landslides, debris flows, karst areas, volcanoes, faults, etc.)	NUMBER	3	2	1	3	0
GEO-RSRC-MGD	Number of geologic resources managed	NUMBER	3	1	2	3	0
HBT-ENH-LAK	Acres of lake habitat restored or enhanced (for target and roll-up)	ACRE	20	0	20	0	20
HBT-ENH-STRM	Miles of stream habitat restored or enhanced (for target and roll-up)	MILE	47	0	47	0	47
HBT-ENH-TERR	Acres of wildlife habitat (terrestrial) (TES and non TES) restored or improved (for target and roll-up)	ACRE	5,000	0	5,000	0	5,000

WorkPlan

Accomplishment Summary
Report ID: Accomp1

Unit: 0111 GALLATIN
Fiscal Year: 2009

Date: 04/17/2012
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Code	Description	Units	Target Amount	Planned Amount	Planned Balance	Actual Amount	Actual Balance
HBT-ENH-TERR-STWD	Acres of wildlife habitat (terrestrial) (TES and non TES) restored or improved under stewardship contract/agreement	ACRE	0	0	0	0	0
HRTG-MGD-STD	Priority heritage assets managed to standard	ASSET	40	40	0	--	--
INLND-LAK-HBT-ENH	Acres of inland Lake habitat enhanced (for planned and actuals)	ACRE	0	30	-30	52	-52
INLND-STRM-HBT-ENH	Miles of inland stream habitat enhanced (for planned and actuals)	MILE	0	69	-69	115.5	-115.5
INV-DAT-ACQ	Acres of inventoried data collected and acquired	ACRE	1,000	1,000	0	1,000	0
INVPLT-NXWD-FED-AC	Highest priority acres treated annually for noxious weeds and invasive plants on NFS lands	ACRE	2,720	3,903	-1,183	--	--
INVSPE-TERR-FED-AC	Highest priority acres treated annually for invasive terrestrial & aquatic species on NFS lands	ACRE	0	0	0	--	--
LMP-AMND-CMPLT	LMP Amendments completed	AMENDMENT	0	0	0	0	0
LMP-AMND-UW	LMP Amendments underway	AMENDMENT	0	3	-3	1	-1
LMP-ASSES-CMPLT	Land Management Plan assessments completed	ASSESSMENT	1	1	0	1	0
LMP-PLN-CMPLT	Number of LMP revisions/creations completed	PLAN	0	0	0	0	0
LMP-PLN-OG	Number of LMP revisions/creations ongoing	PLAN	0	0	0	0	0
LND-ACQ-PROT-FED	Acres acquired or donated that improve and maintain ecological condition for identified species	ACRE	0	0	0	1,239	-1,239
LND-ADJ	Acres of land adjustments to conserve the integrity of undeveloped lands and habitat quality	ACRE	0	35	-35	0	0
LND-BL-MAINT-STD	Miles of property line maintained to standard	MILE	0	26	-26	42	-42
LND-BL-MRK-MAINT	Miles of property line marked/maintained to standard	MILE	41	0	41	0	41
LND-BL-MRK-STD	Miles of property line marked to standard	MILE	0	17	-17	9	-9
LND-PURCH	Acres acquired through purchases or donation	ACRE	1,270	1,270	0	1,239	31
LND-PURCH-REC-AC	Acres acquired or donated that provide access for high quality outdoor recreational opportunities	ACRE	0	0	0	1,239	-1,239
LND-SUP-ADM-STD	Land use authorizations administered to standard	AUTHORIZATIONS	128	121	7	--	--
LND-TTL-MGMT-CASES-RSLVD	Number of title management cases administratively completed to standard	CASE	1	1	0	12	-11
LND-USE-PROP-APL-PROC	Number of land use proposals and applications processed	APPLICATIONS	0	25	-25	--	--
MIN-CNTRCT-PRMT-SIT-EXST	Number of existing saleables contracts, free-use permits, & active mineral collection sites & community use pits administered	NUMBER	0	0	0	0	0
MIN-CNTRCT-PRMT-SIT-NEW	Number of new saleables contracts, free-use permits and mineral collection sites and community use	NUMBER	0	0	0	0	0

Accomplishment Summary
Report ID: Accomp1

Unit: 0111 GALLATIN
Fiscal Year: 2009

Date: 04/17/2012
Time: 09:45 AM

Code	Description	Units	Target Amount	Planned Amount	Planned Balance	Actual Amount	Actual Balance
	pits opened						
MIN-NOI-PROC	Number of mineral notices of intent processed	NOTICE	0	0	0	0	0
MIN-PLN-ADM	Number of mineral operations administered to standard	NUMBER	99	0	99	0	99
MIN-PLN-OP-ADM	Number of mineral plans of operations administered	OPERATIONS	0	50	-50	92	-92
MIN-PLN-OP-PROC	Number of mineral plans of operations processed	PLAN	0	44	-44	168	-168
MIN-PLN-PROC	Number of mineral proposals processed	NUMBER	73	0	73	0	73
NFS-LND-TVL-MGMT-PLN	Acres of national forest system lands covered by travel management implementation plans	ACRE	1,850,605	1,850,605	0	1,850,605	0
NON-NRG-LEAS-ACT-ADM	Number of non-energy leasable operations administered	ACTIONS	0	0	0	0	0
NON-NRG-LEAS-ACT-PROC	Number of non-energy leasable actions processed	ACTIONS	0	0	0	0	0
NON-T&E-HBT-ENH	Acres of non-threatened/endangered terrestrial habitat enhanced	ACRE	0	4,481	-4,481	7,923	-7,923
NRG-MIN-PROP-PSTDUE	Number of energy mineral proposals processed or pending outside of prescribed timeframes	APPLICATIONS	0	2	-2	2	-2
RD-DECOM	Miles of road decommissioned	MILE	17	127	-110	130.2	-113.2
RD-DECOM-STWD	Miles of road decommissioned with stewardship contract/agreement	MILE	0	0	0	--	--
RD-HC-IMP	Miles of high clearance system roads improved	MILE	3	0	3	--	--
RD-HC-IMP-STWD	Miles of high clearance system roads improved with stewardship contract/agreement	MILE	0	0	0	--	--
RD-HC-MAINT	Miles of high clearance system roads receiving maintenance	MILE	64	56	8	--	--
RD-PC-IMP	Miles of passenger car system roads improved	MILE	10	19.3	-9.3	--	--
RD-PC-IMP-STWD	Miles of passenger car system roads improved with stewardship contract/agreement	MILE	0	0	0	--	--
RD-PC-MAINT	Miles of passenger car system roads receiving maintenance	MILE	296	294	2	232	64
REC-ED-PLN-IMPL	Number of interpretive and conservation education plans implemented	PLAN	1	1	0	1	0
REC-PAOT-DAYS-ADM-STD	Recreation site capacity operated to standard	PAOT DAYS	462,669	512,669	-50,000	512,669	-50,000
REC-SIT-STD	Recreation sites maintained to standard	SITE	140	212	-72	--	--
REC-SUP-ADM	Recreation special use authorizations administered to standard	AUTHORIZATIONS	200	200	0	--	--
RG-GZ-ADM-STD	Grazing allotment acres managed to 100% standard	ACRE	150,000	150,000	0	--	--
RG-GZ-NEPA	Grazing Allotments with signed decision notices	ALLOTMENT	3	5	-2	--	--
RG-M&E	Acres of rangeland monitored and evaluated (effectiveness monitoring)	ACRE	0	50,000	-50,000	114,000	-114,000

WorkPlan

Accomplishment Summary
Report ID: Accomp1

Unit: 0111 GALLATIN
Fiscal Year: 2009

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Code	Description	Units	Target Amount	Planned Amount	Planned Balance	Actual Amount	Actual Balance
RG-STRU-IMP	Number of range structural improvements	STRUCTURE	0	6	-6	6	-6
RG-VEG-IMP	Acres of rangeland vegetation improved	ACRE	61,318	61,318	0	42,752	18,566
ROW-ACQ	Rights of way acquired to provide public access	EASEMENT	2	2	0	0	2
S&W-RSRC-IMP	Acres of water or soil resources protected, maintained or improved to achieve desired watershed conditions.	ACRE	2,360	2,696	-336	2,731	-371
SP-FUELS-PRTNR	Number of non-federal acres of hazardous fuels treated under partnership agreements to protect communities	ACRE	0	0	0	--	--
SP-INVSPE-FED-AC	Number of priority acres treated annually for invasive species on Federal lands	ACRE	0	0	0	--	--
SP-NATIVE-FED-AC	Number of priority acres treated annually for native pests on Federal lands	ACRE	515	425	90	--	--
STRM-CROS-MITG-STD	Number of stream crossings constructed or reconstructed to provide for aquatic organism passage	CROSSING	0	9	-9	--	--
T&E-HBT-ENH	Acres of threatened/endangered species terrestrial habitat enhanced	ACRE	0	697	-697	1,239	-1,239
T&E-NON-T&E-HBT-ENH	Acres of wildlife habitat (terrestrial: TES and non-TES) (for planned and actuals) restored or improved	ACRE	0	230	-230	70	-70
TL-IMP-STD	Miles of system trail improved to standard	MILE	20	30.1	-10.1	31.1	-11.1
TL-MAINT-STD	Miles of system trail maintained to standard	MILE	600	866	-266	874	-274
TL-SYS-STD	Miles of system trail meeting standard	MILE	0	821	-821	838	-838
TMBR-BRSH-DSPSL	Acres of Harvest-Related Woody Fuels treated	ACRE	129	129	0	--	--
TMBR-VOL-HVST	Volume of Timber harvested (CCF)	CCF	0	0	0	--	--
TMBR-VOL-SLD	Volume of Timber sold (CCF)	CCF	12,900	12,900	0	--	--
TMBR-VOL-SLD-STWD	Volume of Timber sold (CCF) under stewardship contract/agreement	CCF	0	8,400	-8,400	--	--
TRNS-PLN-PROJ-PUB-RD	Number of transportation planning projects associated with public roads	NUMBER	0	0	0	0	0
VSTR-USE-MON-CMPLT	Number of Visitor Use Monitoring Survey Days completed	SURVEY DAYS	300	330	-30	--	--
WLD-MGD-STD	Wilderness areas managed to minimum stewardship level	NUMBER	1	1	0	--	--
WLD-SCE-RVR-MGD-STD	Wild and Scenic Rivers meeting statutory requirements	NUMBER	0	0	0	--	--

FISCAL YEAR 2010

WorkPlan

Accomplishment Summary
Report ID: Accomp1

Unit: 0111 GALLATIN
Fiscal Year: 2010

Date: 04/17/2012
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Code	Description	Units	Target Amount	Planned Amount	Planned Balance	Actual Amount	Actual Balance
ADM-FAC-MAINT-STD	Number of Administrative Facilities maintained to standard	BUILDING	104	120	-16	--	--
ADM-UNITS-EXTL-AUDT	Number of administrative units where external audits were conducted	UNITS	0	0	0	0	0
AML-SIT-MITG	Number of AML Safety Risk Features mitigated to no further action	NUMBER	22	22	0	10	12
AML-SIT-MITG-CERCLA	Abandoned Mine Land sites mitigated using CERCLA authority	SITE	0	0	0	0	0
AML-SIT-MITG-NON-CERCLA	Abandoned Mine Land sites mitigated using non-CERCLA authority	SITE	0	0	0	0	0
ANN-MON-REQ-CMPLT	Annual monitoring requirements completed	REQUIREMENT	10	10	0	6	4
BLDG-WWS-DAM-DISP	Buildings, water / waste water facilities, and dams disposed	NUMBER	4	4	0	--	--
BRDG-CNSTR-RCNSTR	Bridges constructed or reconstructed	BRIDGE	0	0	0	--	--
CLS-I-WTRSHD	Watersheds within condition class I	WATERSHED	0	0	0	0	0
CLS-II-WTRSHD	Watersheds within condition class II	WATERSHED	0	0	0	0	0
CLS-III-WTRSHD	Watersheds within condition class III	WATERSHED	0	0	0	0	0
CON-SIT-MITG	Number of contaminated sites mitigated	SITE	0	0	0	0	0
FAC-PROJ-CMPLT	Major project list facilities accomplished on time and within budget	PROJECT	0	0	0	--	--
FOR-VEG-EST	Acres of forest vegetation established	ACRE	2,849	2,927	-78	--	--
FOR-VEG-IMP	Acres of forestland vegetation improved	ACRE	202	150	52	--	--
FP-FUELS-ALL	Number of acres treated to reduce the risk of catastrophic wildland fire	ACRE	3,684	0	3,684	--	--
FP-FUELS-NON-WUI	Acres of hazardous fuels treated outside the wildland/urban interface (WUI) to reduce the risk of catastrophic wildland fire	ACRE	0	0	0	--	--
FP-FUELS-WUI	Acres wildland/urban interface (WUI) high-priority hazardous fuels treated to reduce the risk of catastrophic wildland fire	ACRE	0	3,784	-3,784	--	--
GEO-HZDS-MGD	Number of geologic hazards managed (landslides, debris flows, karst areas, volcanoes, faults, etc.)	NUMBER	3	3	0	3	0
GEO-RSRC-MGD	Number of geologic resources managed	NUMBER	3	3	0	3	0
HBT-ENH-LAK	Acres of lake habitat restored or enhanced	ACRE	71	15	56	105	-34
HBT-ENH-STRM	Miles of stream habitat restored or enhanced	MILE	144	182	-38	297	-153
HBT-ENH-STRM-STWD	Miles of stream habitat restored or enhanced under stewardship contract/agreement	MILE	0	0	0	0	0
HBT-ENH-TERR	Acres of wildlife habitat (terrestrial) (TES and non TES) restored or improved (for target and roll-up)	ACRE	5,000	0	5,000	0	5,000
HBT-ENH-TERR-STWD	Acres of wildlife habitat (terrestrial) (TES and non TES) restored or improved under stewardship	ACRE	0	0	0	0	0

WorkPlan

Accomplishment Summary
Report ID: Accomp1

Unit: 0111 GALLATIN
Fiscal Year: 2010

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Code	Description	Units	Target Amount	Planned Amount	Planned Balance	Actual Amount	Actual Balance
	contract/agreement						
HRTG-MGD-STD	Priority heritage assets managed to standard	ASSET	40	40	0	--	--
INV-DAT-ACQ	Acres of inventoried data collected and acquired	ACRE	24,000	25,150	-1,150	39,365	-15,365
INVPLT-NXWD-FED-AC	Highest priority acres treated annually for noxious weeds and invasive plants on NFS lands	ACRE	3,821	4,250	-429	--	--
INVSPE-TERR-FED-AC	Highest priority acres treated annually for invasive terrestrial & aquatic species on NFS lands	ACRE	0	0	0	--	--
LMP-AMND-CMPLT	LMP Amendments completed	AMENDMENT	0	0	0	0	0
LMP-AMND-UW	LMP Amendments underway	AMENDMENT	1	1	0	2	-1
LMP-ASSES-CMPLT	Land Management Plan assessments completed	ASSESSMENT	2	2	0	1	1
LMP-PLN-UW	LMP Revisions/Creations underway	PLAN	0	0	0	0	0
LND-ACQ-PROT-FED	Acres acquired or donated that improve and maintain ecological condition for identified species	ACRE	0	4,161	-4,161	--	--
LND-ADJ	Acres of land adjustments to conserve the integrity of undeveloped lands and habitat quality	ACRE	0	1,538	-1,538	--	--
LND-BL-MAINT-STD	Miles of property line maintained to standard	MILE	0	36	-36	45.19	-45.19
LND-BL-MRK-MAINT	Miles of property line marked/maintained to standard	MILE	12	0	12	0	12
LND-BL-MRK-STD	Miles of property line marked to standard	MILE	0	34	-34	65.33	-65.33
LND-PURCH	Acres acquired through purchases or donation	ACRE	386	2,623	-2,237	--	--
LND-PURCH-REC-AC	Acres acquired or donated that provide access for high quality outdoor recreational opportunities	ACRE	0	4,161	-4,161	--	--
LND-SUP-ADM-STD	Land use authorizations administered to standard	AUTHORIZATIONS	150	150	0	--	--
LND-TTL-MGMT-CASES-RSLVD	Number of title management cases administratively completed to standard	CASE	2	7	-5	7	-5
LND-USE-PROP-APL-PROC	Number of land use proposals and applications processed	APPLICATIONS	0	5	-5	--	--
MIN-CNTRCT-PRMT-SIT-EXST	Number of existing saleables contracts, free-use permits, & active mineral collection sites & community use pits administered	NUMBER	0	93	-93	110	-110
MIN-CNTRCT-PRMT-SIT-NEW	Number of new saleables contracts, free-use permits and mineral collection sites and community use pits opened	NUMBER	0	68	-68	155	-155
MIN-NOI-PROC	Number of mineral notices of intent processed	NOTICE	0	2	-2	4	-4
MIN-PLN-ADM	Number of mineral operations administered to standard	NUMBER	99	0	99	0	99
MIN-PLN-OP-ADM	Number of mineral plans of operations administered	OPERATIONS	0	6	-6	7	-7

WorkPlan

Accomplishment Summary
Report ID: Accomp1

Unit: 0111 GALLATIN
Fiscal Year: 2010

Date: 04/17/2012
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Code	Description	Units	Target Amount	Planned Amount	Planned Balance	Actual Amount	Actual Balance
MIN-PLN-OP-PROC	Number of mineral plans of operations processed	PLAN	0	3	-3	7	-7
MIN-PLN-PROC	Number of mineral proposals processed	NUMBER	73	0	73	0	73
NFS-LND-TVL-MGMT-PLN	Acres of national forest system lands covered by travel management implementation plans	ACRE	1,850,605	1,850,605	0	1,850,605	0
NON-NRG-LEAS-ACT-ADM	Number of non-energy leasable operations administered	ACTIONS	0	0	0	0	0
NON-NRG-LEAS-ACT-PROC	Number of non-energy leasable actions processed	ACTIONS	0	0	0	0	0
NON-T&E-HBT-ENH	Acres of non-threatened/endangered terrestrial habitat enhanced	ACRE	0	565	-565	657	-657
NRG-MIN-PROP-PSTDUE	Number of energy mineral proposals processed or pending outside of prescribed timeframes	APPLICATIONS	0	0	0	3	-3
RD-DECOM	Miles of road decommissioned	MILE	78	72.3	5.7	--	--
RD-HC-IMP	Miles of high clearance system roads improved	MILE	5	8.24	-3.24	--	--
RD-HC-IMP-STWD	Miles of high clearance system roads improved with stewardship contract/agreement	MILE	0	0	0	--	--
RD-HC-MAINT	Miles of high clearance system roads receiving maintenance	MILE	58	111.7	-53.7	--	--
RD-PC-IMP	Miles of passenger car system roads improved	MILE	22	13.59	8.41	--	--
RD-PC-IMP-STWD	Miles of passenger car system roads improved with stewardship contract/agreement	MILE	0	0	0	--	--
RD-PC-MAINT	Miles of passenger car system roads receiving maintenance	MILE	335	344.6	-9.6	--	--
REC-ED-PLN-IMPL	Number of interpretive and conservation education plans implemented	PLAN	0	0	0	0	0
REC-PAOT-DAYS-ADM-STD	Recreation site capacity operated to standard	PAOT DAYS	462,669	462,669	0	485,800	-23,131
REC-SIT-STD	Recreation sites maintained to standard	SITE	190	183	7	--	--
REC-SUP-ADM	Recreation special use authorizations administered to standard	AUTHORIZATIONS	200	200	0	--	--
RG-GZ-ADM-STD	Grazing allotment acres managed to 100% standard	ACRE	171,320	171,320	0	--	--
RG-GZ-NEPA	Grazing Allotments with signed decision notices	ALLOTMENT	4	4	0	--	--
RG-M&E	Acres of rangeland monitored and evaluated (effectiveness monitoring)	ACRE	0	50,000	-50,000	0	0
RG-STRU-IMP	Number of range structural improvements	STRUCTURE	0	4	-4	0	0
RG-VEG-IMP	Acres of rangeland vegetation improved	ACRE	8,875	17,750	-8,875	8,925	-50
ROW-ACQ	Rights of way acquired to provide public access	EASEMENT	0	8	-8	10	-10
S&W-RSRC-IMP	Acres of water or soil resources protected, maintained or improved to achieve desired watershed conditions	ACRE	1,008	548.6	459.4	1,091.8	-83.8
SFTY-HLTH-PROMTN	Safety & Health promotion Rating	RATING	0	3	-3	--	--

WorkPlan

Accomplishment Summary
Report ID: Accomp1

Unit: 0111 GALLATIN
Fiscal Year: 2010

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Code	Description	Units	Target Amount	Planned Amount	Planned Balance	Actual Amount	Actual Balance
SFTY-INSPCTN	Safety Inspections Rating	RATING	0	3	-3	--	--
SFTY-PRGM-MGMT	Safety Program Management Rating	RATING	0	3	-3	--	--
SFTY-TRNG	Safety Education & Training Rating	RATING	0	3	-3	--	--
SP-INVSPE-FED-AC	Number of priority acres treated annually for invasive species on Federal lands	ACRE	0	0	0	--	--
SP-NATIVE-FED-AC	Number of priority acres treated annually for native pests on Federal lands	ACRE	480	480	0	--	--
STRM-CROS-MITG-STD	Number of stream crossings constructed or reconstructed to provide for aquatic organism passage	CROSSING	0	4	-4	--	--
T&E-ACT-COMPLT	Number of T&E Species for which recovery actions accomplished	SPECIES	1	0	1	--	--
T&E-HBT-ENH	Acres of threatened/endangered species terrestrial habitat enhanced	ACRE	0	350	-350	500	-500
T&E-NON-T&E-HBT-ENH	Acres of wildlife habitat (terrestrial: TES and non-TES) (for planned and actuals) restored or improved	ACRE	0	11,519	-11,519	8,064.5	-8,064.5
TL-IMP-STD	Miles of system trail improved to standard	MILE	4.8	37.3	-32.5	44.3	-39.5
TL-MAINT-STD	Miles of system trail maintained to standard	MILE	650	745.5	-95.5	707.5	-57.5
TL-SYS-STD	Miles of system trail meeting standard	MILE	0	850	-850	830	-830
TMBR-BRSH-DSPSL	Acres of Harvest-Related Woody Fuels treated	ACRE	144	144	0	--	--
TMBR-TRT	Forestlands treated to achieve healthier conditions	ACRE	0	0	0	--	--
TMBR-VOL-HVST	Volume of Timber harvested (CCF)	CCF	0	0	0	--	--
TMBR-VOL-SLD	Volume of Timber sold (CCF)	CCF	25,000	25,000	0	--	--
VSTR-USE-MON-CMPLT	Number of Visitor Use Monitoring Survey Days completed	SURVEY DAYS	0	0	0	--	--
WLD-MGD-STD	Wilderness areas managed to minimum stewardship level	NUMBER	1	1	0	--	--
WLD-SCE-RVR-MGD-STD	Wild and Scenic Rivers meeting statutory requirements	NUMBER	0	0	0	--	--

FISCAL YEAR 2011

WorkPlan

Accomplishment Summary
Report ID: Accomp1

Unit: 0111 GALLATIN
Fiscal Year: 2011

Date: 04/17/2012
Time: 09:49 AM

Code	Description	Units	Target Amount	Planned Amount	Planned Balance	Actual Amount	Actual Balance
ADM-FAC-MAINT-STD	Number of Administrative Facilities maintained to standard	BUILDING	86	101	-15	--	--
ADM-UNITS-EXTL-AUDT	Number of administrative units where external audits were conducted	UNITS	0	0	0	0	0
AML-SIT-MITG	Number of AML Safety Risk Features mitigated to no further action	NUMBER	26	6	20	2	24
ANN-MON-REQ-CMPLT	Annual monitoring requirements completed	REQUIREMENT	10	10	0	10	0
BIO-NRG	Green tons from small diameter and low value trees removed from NFS lands and made available for bio-energy production	GREEN TONS	0	0	0	--	--
BLDG-WWS-DAM-DISP	Buildings, water / waste water facilities, and dams disposed	NUMBER	0	0	0	--	--
BRDG-CNSTR-RCNSTR	Bridges constructed or reconstructed	BRIDGE	0	0	0	--	--
CLS-I-WTRSHD	Watersheds within condition class I	WATERSHED	121	0	121	--	--
CLS-II-WTRSHD	Watersheds within condition class II	WATERSHED	26	121	-95	--	--
CLS-III-WTRSHD	Watersheds within condition class III	WATERSHED	0	26	-26	--	--
CON-SIT-MITG	Number of contaminated sites mitigated	SITE	0	0	0	0	0
FAC-PROJ-CMPLT	Major project list facilities accomplished on time and within budget	PROJECT	0	0	0	--	--
FOR-VEG-EST	Acres of forest vegetation established	ACRE	3,382	3,382	0	--	--
FOR-VEG-IMP	Acres of forestland vegetation improved	ACRE	95	115	-20	--	--
FOR-VEG-IMP-STWD	Acres of forestland vegetation improved under stewardship contract/agreement	ACRE	0	0	0	--	--
FP-FUELS-ALL	Number of acres treated to reduce the risk of catastrophic wildland fire	ACRE	6,761	0	6,761	--	--
FP-FUELS-NON-WUI	Acres of hazardous fuels treated outside the wildland/urban interface (WUI) to reduce the risk of catastrophic wildland fire	ACRE	0	2,997	-2,997	--	--
FP-FUELS-WUI	Acres wildland/urban interface (WUI) high-priority hazardous fuels treated to reduce the risk of catastrophic wildland fire	ACRE	0	4,573	-4,573	--	--
GEO-HZDS-MGD	Number of geologic hazards managed (landslides, debris flows, karst areas, volcanoes, faults, etc.)	NUMBER	3	3	0	3	0
GEO-RSRC-MGD	Number of geologic resources managed	NUMBER	4	4	0	4	0
HBT-ENH-LAK	Acres of lake habitat restored or enhanced	ACRE	10	26.2	-16.2	--	--
HBT-ENH-STRM	Miles of stream habitat restored or enhanced	MILE	49	61.1	-12.1	--	--
HBT-ENH-TERR	Acres of terrestrial habitat restored or enhanced	ACRE	10,133	15,239.76	-5,106.76	--	--
HBT-ENH-TERR-STWD	Acres of wildlife habitat (terrestrial) (TES and non TES) restored or improved under stewardship contract/agreement	ACRE	0	0	0	--	--

WorkPlan

Accomplishment Summary
Report ID: Accomp1

Unit: 0111 GALLATIN
Fiscal Year: 2011

Date: 04/17/2012
Time: 09:49 AM

Code	Description	Units	Target Amount	Planned Amount	Planned Balance	Actual Amount	Actual Balance
HRTG-MGD-STD	Priority heritage assets managed to standard	ASSET	40	41	-1	--	--
INV-DAT-ACQ	Acres of inventoried data collected and acquired	ACRE	24,000	99,000	-75,000	24,000	0
INVPLT-NXWD-FED-AC	Highest priority acres treated annually for noxious weeds and invasive plants on NFS lands	ACRE	2,400	3,726	-1,326	--	--
INVSPE-TERR-FED-AC	Highest priority acres treated for invasive terrestrial & aquatic species on NFS lands	ACRE	0	0	0	--	--
LMP-AMND-CMPLT	LMP Amendments completed	AMENDMENT	0	1	-1	1	-1
LMP-AMND-UW	LMP Amendments underway	AMENDMENT	1	1	0	1	0
LMP-ASSES-CMPLT	Land Management Plan assessments completed	ASSESSMENT	2	2	0	1	1
LMP-PLN-CMPLT	Number of LMP revisions/creations completed	PLAN	0	0	0	0	0
LMP-PLN-INIT	Number of LMP revisions/creations initiated	PLAN	0	0	0	0	0
LMP-PLN-OG	Number of LMP revisions/creations ongoing	PLAN	0	0	0	0	0
LMP-PLN-UW	LMP Revisions/Creations underway	PLAN	0	0	0	0	0
LND-ACQ-PROT-FED	Acres acquired or donated that improve and maintain ecological condition for identified species	ACRE	0	1,974.76	-1,974.76	--	--
LND-ADJ	Acres of land adjustments to conserve the integrity of undeveloped lands and habitat quality	ACRE	1,801	1,463.59	337.41	--	--
LND-BL-MAINT-STD	Miles of property line maintained to standard	MILE	0	17	-17	34.69	-34.69
LND-BL-MRK-MAINT	Miles of property line marked/maintained to standard	MILE	80	0	80	0	80
LND-BL-MRK-STD	Miles of property line marked to standard	MILE	0	40	-40	61.42	-61.42
LND-CASES-CMPLT	Number of land acquisition cases completed	CASE	0	0	0	2	-2
LND-PURCH	Acres acquired through purchases or donation	ACRE	1,417	1,200	217	--	--
LND-PURCH-REC-AC	Acres acquired or donated that provide access for high quality outdoor recreational opportunities	ACRE	0	1,974.76	-1,974.76	--	--
LND-SUP-ADM-STD	Land use authorizations administered to standard	AUTHORIZATIONS	125	150	-25	--	--
LND-TTL-MGMT-CASES-RSLVD	Number of title management cases administratively completed to standard	CASE	7	7	0	7	0
LND-USE-PROP-APL-PROC	Number of land use proposals and applications processed	APPLICATIONS	0	1	-1	--	--
MIN-CNTRCT-PRMT-SIT-EXST	Number of existing saleables contracts, free-use permits, & active mineral collection sites & community use pits administered	NUMBER	0	0	0	1	-1
MIN-CNTRCT-PRMT-SIT-NEW	Number of new saleables contracts, free-use permits and mineral collection sites and community use pits opened	NUMBER	0	0	0	336	-336

WorkPlan

Accomplishment Summary
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Unit: 0111 GALLATIN
Fiscal Year: 2011

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Code	Description	Units	Target Amount	Planned Amount	Planned Balance	Actual Amount	Actual Balance
MIN-NOI-PROC	Number of mineral notices of intent processed	NOTICE	0	0	0	4	-4
MIN-PLN-ADM	Number of mineral operations administered to standard	NUMBER	85	0	85	0	85
MIN-PLN-OP-ADM	Number of mineral plans of operations administered	OPERATIONS	0	85	-85	271	-271
MIN-PLN-OP-PROC	Number of mineral plans of operations processed	PLAN	0	60	-60	5	-5
MIN-PLN-PROC	Number of mineral proposals processed	NUMBER	60	0	60	0	60
NFS-LND-TVL-MGMT-PLN	Acres of national forest system lands covered by travel management implementation plans	ACRE	1,850,605	1,850,605	0	1,850,605	0
NON-NRG-LEAS-ACT-ADM	Number of non-energy leasable operations administered	ACTIONS	0	0	0	0	0
NON-NRG-LEAS-ACT-PROC	Number of non-energy leasable actions processed	ACTIONS	0	0	0	0	0
NRG-FAC-PROC-PSTDUE	Number of energy facility applications processed that exceeded prescribed timeframes	APPLICATIONS	0	0	0	0	0
NRG-FAC-PROC-TMFRM	Special use applications for energy-related facilities OR right-of-ways completed within prescribed timeframes	APPLICATIONS	0	0	0	0	0
NRG-LEAS-PROC	Number of oil and gas and geothermal leases processed	APPLICATIONS	0	0	0	0	0
NRG-PLNS-PROC	Number of oil and gas and geothermal SUPOs processed	APPLICATIONS	0	0	0	0	0
RD-DECOM	Miles of road decommissioned	MILE	50	78	-28	--	--
RD-HC-IMP	Miles of high clearance system roads improved	MILE	2	0	2	--	--
RD-HC-IMP-STWD	Miles of high clearance system roads improved with stewardship contract/agreement	MILE	0	0	0	--	--
RD-HC-MAINT	Miles of high clearance system roads receiving maintenance	MILE	40	72	-32	--	--
RD-PC-IMP	Miles of passenger car system roads improved	MILE	10	2.5	7.5	--	--
RD-PC-IMP-STWD	Miles of passenger car system roads improved with stewardship contract/agreement	MILE	0	0	0	--	--
RD-PC-MAINT	Miles of passenger car system roads receiving maintenance	MILE	174	287	-113	--	--
REC-ED-PLN-IMPL	Number of interpretive and conservation education plans implemented	PLAN	0	0	0	0	0
REC-PAOT-DAYS-ADM-STD	Recreation site capacity operated to standard	PAOT DAYS	450,000	450,000	0	450,000	0
REC-SIT-STD	Recreation sites maintained to standard	SITE	190	124	66	--	--
REC-SUP-ADM	Recreation special use authorizations administered to standard	AUTHORIZATIONS	150	150	0	--	--
RG-GZ-ADM-STD	Grazing allotment acres managed to 100% standard	ACRE	100,000	101,700	-1,700	--	--
RG-GZ-NEPA	Grazing Allotments with signed decision notices	ALLOTMENT	4	4	0	--	--

WorkPlan

Accomplishment Summary
Report ID: Accomp1

Unit: 0111 GALLATIN
Fiscal Year: 2011

Date: 04/17/2012
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Code	Description	Units	Target Amount	Planned Amount	Planned Balance	Actual Amount	Actual Balance
RG-M&E	Acres of rangeland monitored and evaluated (effectiveness monitoring)	ACRE	0	0	0	0	0
RG-STRU-IMP	Number of range structural improvements	STRUCTURE	0	0	0	0	0
RG-VEG-IMP	Acres of rangeland vegetation improved	ACRE	40,000	80,150	-40,150	40,000	0
ROW-ACQ	Rights of way acquired to provide public access	EASEMENT	6	8	-2	14	-8
S&W-RSRC-IMP	Acres of water or soil resources protected, maintained or improved to achieve desired watershed conditions	ACRE	812	1,345.2	-533.2	680	132
SP-INVSPE-COOP-AC	Number of priority acres treated annually for invasive species on Cooperative lands	ACRE	0	0	0	--	--
SP-INVSPE-FED-AC	Number of priority acres treated annually for invasive species on Federal lands	ACRE	0	0	0	--	--
SP-NATIVE-COOP-AC	Number of priority acres treated annually for native pests on Cooperative lands	ACRE	0	0	0	--	--
SP-NATIVE-FED-AC	Number of priority acres treated annually for native pests on Federal lands	ACRE	621	841	-220	--	--
STRM-CROS-MITG-STD	Number of stream crossings constructed or reconstructed to provide for aquatic organism passage	CROSSING	1	2	-1	--	--
STWD-CNTRCT-AGR-WTRSHD	Number of stewardship contracts/agreements contributing to forest and rangeland watersheds in fully functioning condition	NUMBER	0	0	0	0	0
T&E-ACT-COMPLT	Number of T&E species for which recovery actions accomplished	SPECIES	1	1	0	--	--
TL-IMP-STD	Miles of system trail improved	MILE	15	21.5	-6.5	--	--
TL-MAINT-STD	Miles of system trail maintained	MILE	742	781	-39	--	--
TL-SYS-STD	Miles of system trail meeting standard	MILE	0	635	-635	--	--
TMBR-BRSH-DSPSL	Acres of Harvest-Related Woody Fuels treated	ACRE	0	0	0	--	--
TMBR-SALES-TRT-AC	Acres of forestlands treated using timber sales	ACRE	0	0	0	--	--
TMBR-TRT	Forestlands treated to achieve healthier conditions	ACRE	0	0	0	--	--
TMBR-VOL-HVST	Volume of Timber harvested (CCF)	CCF	0	0	0	--	--
TMBR-VOL-SLD	Volume of Timber sold (CCF)	CCF	19,288	23,453	-4,165	--	--
TRNS-PLN-PROJ-PUB-RD	Number of transportation planning projects associated with public roads	NUMBER	0	1	-1	0	0
VSTR-USE-MON-CMPLT	Number of Visitor Use Monitoring Survey Days completed	SURVEY DAYS	0	0	0	--	--
WLD-MGD-STD	Wilderness areas managed to minimum stewardship level	NUMBER	2	2	0	--	--
WLD-SCE-RVR-MGD-STD	Wild and Scenic Rivers meeting statutory requirements	NUMBER	0	0	0	--	--
WTRSHD-CLS-IMP-NUM	Number of watersheds moved to an improved condition class	WATERSHED	0	0	0	0	0

WorkPlan

Accomplishment Summary
Report ID: Accomp1

Unit: 0111 GALLATIN
Fiscal Year: 2011

Date: 04/17/2012
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Code	Description	Units	Target Amount	Planned Amount	Planned Balance	Actual Amount	Actual Balance
WTRSHD-RSTR-ANN	Acres treated annually to sustain or restore watershed function and resilience	ACRE	0	0	0	--	--

Evaluation and Recommendations

The accomplishments disclosed above do not indicate any particular problem that can be corrected at the local level. They are indicative of a general decline in budgets and increased unit costs.

Item No. 2	Best Management Practices

A. Summary of Forest Plan Direction

Forest Plan monitoring requirement #2 is to assess whether "Best Management Practices" were implemented as planned. (Forest Plan Table IV-1, page IV-5).

B. Introduction

The Gallatin NF conducted 1 implementation monitoring review in 2011. This review was multi-disciplinary and multi-functional and designed to document whether provisions and mitigation in projects were actually implemented and effective. This process was BMP based and conducted in a similar format to the Montana Forestry BMP audits. The process included:

- Multi-disciplinary review of projects nominated by GNF staff
- Evaluation of project objective accomplishment & effectiveness
- Incorporates Montana Forestry BMP audit process
- Formally documents findings into reports
- Reports can be useful for future project planning, NEPA, Forest Plan Monitoring reports.

The implementation monitoring/BMP review project included:

Smith Creek Travel Plan	10/06/11

On October 6, 2011 an Implementation Monitoring Review was held in to evaluate Gallatin Travel Management Plan implementation with a focus on a variety of travel plan work including trail rehabilitation/construction/improvements (Northern GNF ATV Trails Rehab contract) road decommissioning project work (2009 & 2010), aquatic passage (2010), road drainage improvements (2009 and 2010), flood damage (2011), and travel plan goals and objectives standard compliance. Attendees included Lauren Oswald, Wendi Urie, Clint Sestrich, Rachel Feigley, Kimberly Schlenker, Steve Christiansen, Dale White, and Mark Story.

This review is consistent with Appendix B of the Gallatin NF Travel Plan (FEIS Appendix B-12) which calls for an Implementation review team to evaluate if the Travel Plan goals, objectives, standards, and guidelines were implemented and effective and still valid.

This monitoring review consisted of the following process:

Review and rate the Smith TPA road decommissioning, bridge and AOP replacement, and ATV trails rehab project, aquatic passage, and road drainage improvements for application and effectiveness of the following:

-Gallatin NF Road and Trail Improvement Projects DN & FONSI Standard Operating Procedures and Additional Mitigation

-Gallatin NF Travel Plan Goals, Objectives, Standards, and Guidelines.

Provide recommendations for future travel plan implementation in Smith TPA and as appropriate for the rest of the GNF.

C. Monitoring Results

The application and effectiveness rating system consisted of the following measures:

Application
5- operation exceeds requirements of objective or measure
4- operation meets requirements of objective or measure
3- minor departure from measure, objective marginally met
2- major departure from measure, objective sporadically met
1- gross neglect of measure, objective not met

Effectiveness
5- improved conditions over pre-project condition
4- adequate protection of resources, effective
3- minor and temporary impacts on resources, moderately effective
2- major and temporary or minor and prolonged impacts on resources or only slightly effective
1- major and prolonged impacts on resources or not effective

Gallatin NF Travel Plan Goals, Objectives, Standards, and Guidelines				
Rating item	source	apply	effect	comments
1. Goal D. Obj. D-1. Close and rehabilitate existing roads that are in excess to administration, recreation, and access needs.	GNF Travel Plan Detailed Descp of Decision FEIS pg. 1-11	4	4	-closed 25 miles in 09/10 -slash closure adjusted for livestock -D4 OHV Ranger presence effective in Smith Creek area
2. Shields Travel Plan area Goal 1: Provide opportunities for summer recreation use with an emphasis on motorized and mountain bike use in Smith Creek and non-motorized in upper Shields. Emphasize passenger	GNF Travel Plan, Detailed Description of the decision Chapter II -164	3	4	-sign protocol not finalized or implemented yet -provide a non-sign tool to emphasize non-motorized recreation opportunities

car use along open roads Obj 1-3 – restore and designate old roads for motorized and mountain bike opportunities				
3. Shields Travel Plan area Goal 3: Provide YCT habitat Obj 3-1 reduce road and trail sediment.	GNF Travel Plan, Detailed Description of the decision Chapter II -164	4	4	-extensive erosion reduction completed 09/10 -some AOP sites need seeding & mulching exposed soil area
4. Provide road and trail system that accommodated traffic with protecting soil and watershed conditions. Obj 4-1 repair damage to road and trail system and schedule maintenance to achieve non erosive conditions.	GNF Travel Plan, Detailed Description of the decision Chapter II -164	4	3	-East Fork and Smith Creek roads substantially improved since 2006 -ATV trail maintenance funds limited, need a consistent motorized trail maintenance budget
5. Standard D-5. Project Roads. Existing roads that were constructed for project use and not designated for motorized use via the Forest Travel Plan are to remain closed to public (wheeled) motorized use.	GNF Travel Plan FEIS pg. 1-11	4	4	
6. Goal E. Water Quality, Riparian, Fisheries and Aquatic Life. Manage a road and trail system that fully supports the protection of water quality, and habitat for fish, riparian dependent species, and other aquatic organisms.	GNF Travel Plan FEIS pg. 1-13 GNF Travel Plan, Detailed Description of the decision Chapter II -165	4	3	
7. Obj 4-2 interpretive/educational signing to use camp spots out of wet, muddy, and shrubby areas and keep vehicles 50' lakes and streams.	GNF Travel Plan, Detailed Description of the decision Chapter II -165	na	na	-this objective was met but not with signing -campsites not designated
8. In order to mitigate effects to wildlife during important times of year such as calving and fawning, wintering, road/trail work will be conducted from 7/15 to 10/15. Outside of important big game winter ranges, work in the late fall or winter may occur. Complete road/trail work in high elevation whitebark pine habitat by 9/1 to avoid conflicts with grizzly bear. (See Travel Plan Guideline I-1)	Road and Trail Work DN & FONSI p 25	4	4	-some trail construction may have occurred after 10/15 but before rifle hunting season so in compliance with "late fall" provision. -Districts should review road & trail contracts for implementation timing
9. Rare plants. All projects will be	Road and Trail	3	4	-FS crews did general

surveyed prior to construction for rare plants/habitats and appropriate mitigation will be planned if found	Work DN & FONSI p 27			reconnaissance in 2009 but not as systematically as in 2010 or 2011.
10. If an affected area is within potential goshawk, surveys will be completed during the year work is planned. No ground disturbing activities from April 15 to August 15 to protect goshawk pairs and fledglings.	Road and Trail Work DN & FONSI p 28	3	4	Smith Ck has limited old growth so potential goshawk habitat limited. -FS crews did general reconnaissance but not as specifically as in 2011.
11. Road Restoration, Stabilization, and Decommissioning Treatment Type II: This treatment is for closing roads that may be reused in the future or for roads that will be decommissioned and of low risk for sediment production into stream courses. Remove road surface compaction by ripping road to 12" depth. Remove at risk culverts from drainages and remove road fills within drainage. Plug and store ditch relief culverts for future use. Install frequent cross drains. Slash road surfaces. Seed any exposed soils. Block road entrances with an earthen berm, ripping and slashing, recountouring & slashing, or a mix.	Road and Trail Work DN & FONSI p 24	4	4	-rip & slash treatments in Smith Creek done adequately
12. Road Restoration, Stabilization, and Decommissioning Treatment Type III: This treatment is used for closing roads and decommissioning them from the system. It may also be used on road segments that are at high risk for mass wasting into stream courses, even though the entire road may remain on the road system. Recontour the prism to original ground profile as close as practical. This is usually considered to be around ¾ of the	Road and Trail Work DN & FONSI p 25	4	4	recontoring treatments in Smith Creek done adequately

original on this Forest. Remove all drainage structures and dispose of them. Remove all fills from drainages to as close to the original geometry as practical. Armor stream bottom if needed to prevent excessive erosion Slash open soils Seed open soils				
13. Water, Fisheries and Aquatic Life. Road materials shall not be side-cast into streams or wetlands. (See Travel Plan Guideline E-7).	Road and Trail Work DN & FONSI p 25	4	4	-BMP's for revegetation could be improved at culvert crossings
14. Invasive Weeds. For projects scheduled to be implemented in 2010 and beyond, weed surveys of project areas shall be conducted at least 1 year prior to soil disturbance. If weeds are found, work with the district weed specialist to adjust project design or execution as needed to minimize the risk of spreading weeds. Any weed treatment shall be done at least one year in advance of soil disturbance work. For projects to be implemented in 2009, work shall be scheduled in late summer and fall such that weed surveys and any needed treatment can be done earlier in the summer.	Road and Trail Work DN & FONSI p 27	3	3	-weed treatments done before road decommissioning
15. Visuals Scenery ("visuals") The visual quality objective for this area is "partial retention".	Forest Plan Standard. No specific standards for scenery were articulated by the travel plan decision.	4	4	-treatments generally not visually obtrusive -slashing highest visual impact -some roads closed with high cuts on stumps to keep slash elevation high –this treatment not appropriate for sensitive visual areas

D. Evaluation and Recommendations

Conclusions:

1. The review team consensus is that the road decommissioning was successful in meeting the GNF travel plan objectives by closing 25 miles of roads, reducing road source sediment to East Fork and Smith Creek, and providing an approximately 20 mile of ATV trail system of trails #130, #254, #255, and #263.

2. Several implementation items were rated as only moderately effective with minor and temporary impacts on resources due to some needed follow up construction fine tuning or future procedures including more weirs around some AOP culverts, reinforcement of ATV bridge abutments, better and standardized signing, improved erosion protection BMP's, and more systematic implementation of rare plant and goshawk mitigation measures.

3. As GNF Travel Plan facilities and activities are implemented, the GNF is adding maintenance inventory workload such as trail heads, trail section and bridges, signs, decommissioning closure maintenance, road improvements, and AOP maintenance.

3. Overall the Smith Creek drainage is in much better watershed condition that when many of the heavily roaded and logged sections were acquired in 1992. This is due to decommissioning of 53 miles of roads in the Smith Creek and Shields River areas in 1994/1995, AMP revisions, road improvements, AOP culverts, and revegetation and reforestation of historical logging units.

Recommendations:

1. Additional needed rehabilitation work noted by the review team included seeding exposed soil in two of the Smith Creek AOP the Creek bridge crossings, and reinforcing ATV bridge construction abutments (Bitter Creek bridge).

The Smith Creek culvert on Rd #991 was seeded and mulched by the culvert contractor in late October, however mulch was judged to be insufficient. Clint Sestrich added several weed free straw bales on 12/6/2011 which should insure sufficient erosion control while revegetation occurs in 2012.

2. Place emphasis on finalizing and implementation the road and trail sign protocol.

3. Standard Gallatin NF contract specifications should be developed and included for stream crossing road and trail construction areas including fords, bridges, and culverts. The speciation should include seeding all bare soil disturbed areas within 50' of a stream then covering with 1-2" of weed free straw mulch or erosion blankets. Followup weed treatments are recommended either by the culvert contractor or force account crews using approved seed mixes appropriate for the site.

4. Standard Gallatin NF contract specifications for bridges and culvert installation should include designated barrow areas with at least 25' of vegetative buffering from streams.

5. Weed encroachment into treated areas poses an increasing constraint to decommissioning of GNF roads. Future GNF road decommissioning projects should be more aggressive in following weed management practices in FSM 2080, in the Gallatin NF Weed EIS mitigation measures, and in the Gallatin NF Roads and Trails EA.

- To the extent possible, areas to be decommissioned should be inventoried for weeds and treated up to 3 years prior to decommissioning in order to minimize noxious weeds which could be stimulated from the decommissioning.

- It is important to understand the vulnerability and exposure of road decommissioning treatment areas to weed expansion.

- For treatment areas where weeds are increased, persist in weed treatments as long as necessary.

- To the extent possible and practical, in heavily weed infested areas, minimize the length or road segments that are ripped or recontoured. Often only a relatively short length of segment needs to be treated to effectively close a road.

6. Mitigation measure and contract provisions for Travel Plan implementation construction projects should develop a mitigation synopsis by SO design staff in coordination with District staff. The mitigation synopsis could then be used by both COR's and inspectors and District staff in understanding the construction design and subsequent maintenance.

7. Outyear CMRD, CMTL, CMLG and consolidated NFRR funds should be planned and allocated for Travel Plan related road and trail maintenance, road closure reinforcement, weed treatments, and sign maintenance.

8. Goshawk surveys in May/June could result in delay of actual construction of Travel Plan contracts to August 15 if an active Goshawk nest is documented. Alert contract preparation staff if the project area has potential Goshawk nesting habitat and potential contractors of the possibility of a no sooner than 8/15 startup date around nest areas.

9. Consider 5 year follow-up reviews of for some of the previously reviewed travel plan areas. These could include Bangtails TPA in 2014, Mill Creek in 2015, and Smith Creek in 2016.

Item No. 3 | Management Area Standards

A. Summary of Forest Plan Direction

Forest Plan monitoring requirement #3 is to assess whether Forest Plan management area standards have been followed as directed. (Forest Plan Table IV-1, page IV-5).

B. Introduction

The Gallatin National Forest Land and Resource Management Plan (Forest Plan) defines "standard and guideline" as "an indicator or outline of policy or conduct." The Forest Service interprets and applies "standards" of the Forest Plan as binding limitations on management activities that are designed to maintain a specified minimum level of resource protection. The above monitoring requirement is intended to assess the performance of Gallatin Forest management in planning and implementation of activities, consistent with Forest Plan standards. Forest-wide standards can be found on pages II-14 through II-28 of the Forest Plan. Management area standards can be found on pages III-2 through III-72. This monitoring item is measured by the number of project-specific Forest Plan amendments (i.e. exemptions) made to forest-wide and management area standards since 2006. Refer to the previous monitoring report for project-specific amendments made prior to 2006. Forest-wide amendments are not included in this assessment because they were designed to permanently change Forest Plan direction, not just to exempt a particular project from having to meet a standard.

C. Monitoring Results

Since 2006 there has been one project-specific amendment to the Gallatin Forest Plan and that was to exempt treatment units 16C, 22I, 36D and 38 of the Bozeman Municipal Watershed Project from having to meet the applicable visual quality objective of 'partial retention' (FP, page II-16)." Refer to the Record of Decision for the Bozeman Municipal Watershed Project (December 2011).

D. Evaluation and Recommendations

The visual quality standard above (Forest-wide Standard 4(1) was amended 5 previous times to exempt certain treatment units in conjunction with timber harvest. This standard has been problematic not because of the design of the timber harvest projects but because the standard was written poorly. It was written to apply to the landscape and not to the management activity. Therefore when the existing condition does not meet the assigned visual quality objective

(VQO), and the harvest treatment cannot be designed to bring those conditions to a point where the VQO will be met, amendment is required.

It was obviously not the intent to create a standard in which, by signing the Forest Plan ROD, certain landscapes would be in immediate non-compliance. Therefore, it is recommended that this standard be amended to show that it applies to projects and not the landscape.
Rewrite the standard to say:

> "Environmental analysis and project designs for landscape altering activities will be evaluated to determine if it is compatible with the assigned VQO. Landscape altering projects shall meet the assigned VQO, or in situations where the existing situation does not meet the VQO, shall not further degrade the visual condition."

This change is currently being proposed as part of what is called "The Forest Plan Clean-up Amendment." This amendment, targeted for completion by the end of FY 2012 would remove or modify 58 Forest Plan goals and standards. In general, the primary reason for this proposed amendment is to remove or correct outdated, ineffective or unnecessary direction from the Gallatin Forest Plan, given that full revision of the Plan is unlikely for several years.

Item No. 4 Roadless Lands

A. Summary of Forest Plan Direction

Forest Plan monitoring requirement #4 is to assess whether there has been more than a 20,000 acre reduction in the amount of roadless land on the Gallatin National Forest by 1992. (Forest Plan Table IV-1, page IV-5).

B. Introduction

While this monitoring requirement is specific to changes in the amount of roadless land between 1987 (the year the Forest Plan was signed) to 1992, it makes sense for this report to discuss changes that have occurred from 1987 to present.

C. Monitoring Results

The Gallatin National Forest roadless area inventory is 704,000 acres (Gallatin National Forest Travel Management Plan FEIS, 2006, page 3-498). Of this the Gallatin Forest Plan recommended 28,000 acres for wilderness designation and 124,000 acres were allocated to management prescriptions that allowed for timber harvest and road development. Between 1987 and the late 1990s approximately 30,000 acres were roaded.

D. Evaluation and Recommendations

The roadless area data disclosed in section C above are not indicative of any need for change in management. As part of Forest Plan revision, which will likely occur within the next 5 years, the roadless area inventory will be updated and a new recommendation will be made to Congress on which of those lands, if any, should be considered for wilderness designation. The inventory will change, not only due to road development which has occurred since 1987, but also due to acquisition of lands that retain their roadless characteristics. Examples of this include lands acquired in the South Cottonwood, Storm Castle, Swan, and Moose Creek drainages in the Gallatin Mountain Range, the Buck Ridge area in the Madison Range, and in Sixmile and Cedar Creek drainages in the Absaroka Mountain Ranges.

Item No. 5	Stream Bank Cover/Channel Stability

A. Summary of Forest Plan Direction

Forest Plan monitoring requirement #5 is to assess whether there has been more than a 25% loss in effective streambank cover or 20 point increase in stream channel stability score within 5 years due to management practices. (Forest Plan Table IV-1, page IV-5).

B. Introduction

Field work associated with NEPA preparation of re-issuance of grazing allotment and other special use permits on the Gallatin NF has involved a considerable amount of stream channel stability measurements in existing allotments. The Pfankuch method of channel stability (Pfankuch, D.J., 1975. Stream Reach Inventory and Channel Stability Evaluation. USFS/USDA, Lolo NF, Missoula, Montana) forms the basis for the channel stability score monitoring item. The Rosgen Stream typing system is also quite useful (Rosgen, D.L., 1996. Applied River Morphology. Wildland Hydrology, Pagosa Springs, CO).

In addition to field work associated with re-issuance of permits, in 2009 the Gallatin NF introduced a new riparian vegetation monitoring progam. This program involves field documentation of vegetative type and cover, stream channel morphology using the Rosgan Stream typing system, and determining Proper Functioning Condition (PFC). Sites included in the long-term riparian vegetation monitoring program are located on active grazing allotments and will be revisited at 3-5 year intervals.

C. Monitoring

Several examples of stream stability monitoring efforts carried out in 2009 and 2011 are presented below. In addition to these examples, similar stream channel stability monitoring was completed on a total of 54 sites on 30 allotments during the years 2007-2011.

South Fork and Watkins Creek Allotments (2011)

Stream channel condition was evaluated using the Pfankuch method of channel stability and the Rosgen Stream typing system.

Summary of Proper Functioning Condition (PFC), Stream Channel Stability (Pfankuch) and Rosgen Stream Channel Classification for four sites within the South Fork and Watkins Creek Allotments.

Stream	Allotment	Location TRS	Stream Channel Type	Stream Channel Stability			PFC Rating
				Reference	Existing	Departure	
Watkins Creek	Watkins Cr.	T12S, R3E S13 SW1/4	B4	73	69	4	PFC
Wally McClure Creek	Watkins Cr.	T12S, 34E S12 SE1/4	B4	51	48	3	PFC
Basin Cabin Spring Creek	South Fork	T12S, R4E S10 NW1/4	E4/E5	64	64	0	PFC
West Denny Creek - ditch - natural stream	South Fork	T12S, R4E S10 NW1/4	No data	76 62	58 58	18 4	**NF PFC

** NF – The ditch section in the south half is "not functioning" and the stream in the north half is "proper functioning condition"

Sage Creek Outfitter and Guide Rail and Grazing System (2011)

Stream channel condition in areas associated with the Sage Creek Outfitter and Guide special use permit was evaluated using the Pfankuch method of channel stability, the Rosgen Stream typing system, and the Proper Functioning Condition (PFC) protocol.

Summary of Proper Functioning Condition (PFC), Stream Channel Stability (Pfankuch) and Rosgen Stream Channel Classification for five sites on lower Sage Creek.

site	Pfankuch 9/11	Pfankuch natural	Pfankuch departure	Rosgen type	PFC	PFC trend
S2	113	98	15	C4		
S3	85	78	7	B4	PFC	
S3 downstream	81	71	10	B3/B4	PFC	
S4	130	113	17	F4	Functioning at Risk	upward
S5	90	76	16	F4	Functioning at Risk	not apparent

Cary Gulch and West Bridger Allotments (2011)

Stream channel stability conditions and channel types for the West Bridger and Carey Gulch Allotments were affected by the robust 2011 runoff. A stream channel stability assessment was carried out to evaluate the effects of the 2011 runoff on channel type and recovery potential.

Management interpretations of channel types pre (white)- and post (gray)-2011 flood in surveyed stream reaches in the Carey Gulch and West Bridger allotments (from Rosgen 1996). An asterisks depicts flood induced change in substrate size and two asterisks depicts flood induced change in stream type.

Stream	Location UTM	Channel types	Sensitivity to watershed disturbance[a]	Recovery potential[b]	Sediment supply[c]	Streambank erosion potential	Vegetation controlling influence[d]
Carey Gulch Allotment							
Carey Gulch (Pre Flood)	5049964N 592779E	B3 with G3 inclusions	low (B3) to very high (G3)	excellent (B3) to poor (G3)	low (B3) to very high (G3)	low (B3) to very high (G3)	moderate to high
Blind Bridger (Pre Flood)	5048970N 592880E (C3) near FS boundary	B3upstream C3 near FS boundary	low (B3) to moderate (C3)	excellent (B3) to good (C3)	low (B3) to moderate (C3)	low (B3) to moderate (C3)	moderate (B3) to very high (C3)
West Bridger Allotment							
West Bridger Cr (Pre Flood)	5053397N 591187E	C4b	very high	good	high	very high	very high
West Bridger Cr (Post Flood)	5053385N 591155E	C3*	very high	good	high	very high	very high
Derby Gulch upstream (Pre Flood)	5050236N 590537E	G4	extreme	very poor	very high	very high	high
Derby Gulch upstream (Post Flood)	5050233N 590544E	F3** Qualitative	moderate	Poor	very high	very high	moderate
Derby Gulch downstream (Pre Flood)	5051828N 591815E	G3c	very high	poor	very high	very high	high
Derby Gulch downstream (Post Flood)	5051841N 591785E	D4** Qualitative	Very high	Poor	Very high	Very high	moderate
North Derby Gulch upstream (Pre Flood)	5051274N 590213E	B4	moderate	excellent	moderate	low	moderate
North Derby Gulch upstream	5051249N 590190E	B3*	low	excellent	low	low	moderate

Stream	Location UTM	Channel types	Sensitivity to watershed disturbance[a]	Recovery potential[b]	Sediment supply[c]	Streambank erosion potential	Vegetation controlling influence[d]
(Post Flood)							
North Derby Gulch downstream (Pre Flood)	5051623N 590994E	B4	moderate	excellent	moderate	low	moderate
North Derby Gulch downstream (Post Flood)	5051633N 591090E	B3c*	low	excellent	low	low	moderate
Lower Deer Cr above Placer Gulch (Pre Flood)	Meadow reach above Placer Gulch confluence	B3 with C4 inclusions	Low (B3) to very high (C4)	Excellent (B3) to good (C4)	Low (B3) to high (C4)	Low (B3) to very high (C4)	Moderate (B3) to very high (C4)
Lower Deer Cr above Placer Gulch (Post Flood)	5051650N 585481E	B3c	low	excellent	low	low	moderate
Lower Deer Cr below Placer Gulch (Pre Flood)	5054073N 585813E	F3	moderate	poor	very high	very high	moderate
Lower Deer Cr below Placer Gulch (Post Flood)	Not Surveyed	Unknown, F3 probable	moderate	poor	very high	very high	moderate
Tomato Can Gulch (Pre Flood)	5052973N 583814E	B4	moderate	excellent	moderate	low	moderate
Tomoto Can Gulch (Post Flood)	Not Surveyed	Unknown, B4 probable	moderate	excellent	moderate	low	moderate
Placer Gulch (Pre Flood)	From allotment downstream to Lower Deer confluence	B3	low	excellent	low	low	moderate
Placer Gulch (Post Flood)	NA	Qualitative G3**	very high	poor	very high	very high	high

[a] Includes increases in streamflow magnitude and timing and/or sediment increases

[b] Assumes natural recovery once cause of instability is corrected

[c] Includes suspended and bedload from channel derived sources and/or from stream adjacent slopes.

[d] Vegetation that influences width/depth ratio stability

Bangtail Allotments (2009)

Stream channel condition was evaluated using the Pfankuch method of channel stability and the Rosgen Stream typing system.

Summary of Properly Functioning Condition (PFC), Stream Channel Stability and Rosgen Stream Channel Classification for 24 sites across five Bangtail allotments.

Stream	Allotment	Location TRS	Stream Channel Type	Stream Channel Stability			PFC Rating	Map Ref. #
				Reference	Existing	Departure		
Upper Brackett Creek Sub-watershed								
Mile Cr	Canyon	T1N R7E S23 SE1/4	B4a	61	68	7	PFC ↔	25
Unnamed Trib., Mile Cr	Canyon	T1N R7E S23 NE1/4	B4a	50	57	7	PFC ↔	24
Canyon Creek Sub-watershed								
Canyon Creek	Canyon	T1N R7E S25 SW1/4	A3	61	65	4	PFC ↔	15
Canyon Creek	Canyon	T1N R7E S25 NE1/4	B4	68	68	0	PFC ↔	16
Canyon Creek	Canyon	T1N R7E S30 NW1/4	G4	71	74	3	PFC ↔	18
Unnamed Trib., Canyon Creek	Canyon	T1N R7E S30 SW1/4	B4	45	45	0	PFC ↔	17
Bangtail Creek Sub-watershed								
Bangtail Creek	Bangtail	T1S R8E S05 NE1/4	E5	90	94	4	PFC ↑	19
Bangtail Creek	Bangtail	T1S R8E S32 SE1/4	C4	98	124	26	FAR ↓	20*
Bangtail Creek	Bangtail	T1N R8E S32 SE1/4	C4?	68	80	12	FAR ↓	21
Bangtail Creek	Bangtail	T1N R8E S32 NE1/4	B4	58	71	13	PFC ↔	22
Bangtail Creek	Bangtail	T1N R8E S33 NE1/4	F4	80	101	21	FAR ↔	23*
Willow Creek Sub-watershed								
N. Fk. Willow Creek	Willow	T1S R8E S17 NE1/4	E4	80	105	25	FAR ↑	1
N. Fk. Willow Creek	Willow	T1S R8E S09 SW1/4					FAR ↑	2
N. Fk. Willow Creek	Willow	T1S R8E S09 SW1/4	B4	72	85	13	FAR ↑	3
N. Fk. Willow Creek	Willow	T1S R8E S09 SW1/4	C4b	78	90	12	FAR ↑	5*
N. Fk. Willow Creek	Willow	T1S R8E S09 SE1/4	C4	64	71	7	PFC	6
N. Fk. Willow Creek	Willow	T1S R8E S09 NE1/4	C4	65	77	12	FAR ↔	7
N. Fk. Willow Creek	Willow	T1S R8E S09 NE1/4	C4	63	67	4	PFC ↑	8
M. Fk. Willow Creek	Willow	T1S R8E S15 NW1/4	G4	74	82	8	FAR ↑	9
M. Fk. Willow Creek	Outside Allotment	T1S R8E S10 NW1/4	B4	74	90	16	FAR ↔	10
S. Fk. Willow Creek	Willow	T1S R8E S15 SE1/4	G3	62	76	14	FAR ↔	11
Fleshman Sub-watershed								
Fleshman Creek	Jackson	T1S R8E S22 SW1/4	G4	79	105	26	NF ↓	12
Fleshman Creek	Jackson	T1S R8E S22 SW1/4	G4	65	78	13	FAR ↔	13
Billman Creek Sub-watershed (No Sites)								
Jackson Creek Sub-watershed								
Jackson Creek	Jackson	T1S R8E S29 NE1/4	B4	69	69	0	PFC ↔	14
Upper Bridger Creek Sub-watershed (No Sites)								

Apparent Trend

↔ = No

↓ = Downward

↑ = Upward

* = Long-term Monitoring Sites (3).

Item No. 6	ORV Use

A. Summary of Forest Plan Direction

Forest Plan monitoring requirement #6 is to assess the effects of off-road vehicle (ORV) use. (Forest Plan Table IV-1, page IV-5).

-----TO BE REPORTED IN THE FY12/FY13 REPORT-----

Item No. 7 | Grizzly Bear Mortalities

A. Summary of Forest Plan Direction

Forest Plan monitoring requirement #7 is to track whether the Forest has experienced 1 or more grizzly bear losses annually. (Forest Plan Table IV-1, page IV-5).

B. Introduction

The Interagency Grizzly Bear Study Team (IGBST) tracks known, probable, and possible grizzly bear mortalities in the Greater Yellowstone Area. They track mortalities both inside the Recovery Zone (Primary Conservation Area or PCA) and in a 10 mile perimeter around the Recovery Zone (IGBST Annual Report 2005, p. 25). Many times when a sow that has young is killed, the young may also die depending on their age. A "probable" mortality is that instance where evidence strongly suggests a mortality has occurred but no carcass has been recovered. When evidence is circumstantial, with no prospect for additional information, a "possible" mortality is designated.

C. Monitoring Results

DATE	SEX	AGE CLASS	LOCATION	CERTAINTY	CAUSE
9/9/07	Unk	Cub	Little Trail Creek	Probable	Human-caused, cub of year of female shot in self-defense during chance encounter with hunter.
9/9/07	Unk	Cub	Little Trail Creek	Probable	Human-caused, cub of year of female shot in self-defense during chance encounter with hunter.
9/9/07	F	Adult	Little Trail Creek	Known	Human-caused, self-defense during chance encounter with hunter. Female was accompanied by 2 cubs of year.
10/6/07	F	Adult	Sunlight Creek	Known	Human-caused, hunting related, self-defense during chance encounter with bow hunter.

DATE	SEX	AGE CLASS	LOCATION	CERTAINTY	CAUSE
5/10/08	M	Adult	Meadow Creek	Known	Human-caused, mistaken identity kill by black bear hunter.
7/22/08	F	Adult	Soda Butte Creek	Known	Human-caused, management removal of bear #495 (live to WSU) for human injury and property damage at campground.
10/30/08	F	Cub	Cinnabar Creek	Known	Human-caused, DL kill while hunting, female with cub of year charged hunter, cub was killed.
11/1/08	F	Adult	South Fork Madison River	Known	Human-caused, female was apparently hit by vehicle and was paralyzed in rear legs, was dispatched by warden.
6/15/09	F	Adult	Moose Creek	Known	Human-caused, defense of life while black bear hunting.
10/10/09	M	Adult	Clark's Fork Yellowstone River	Known	Human-caused, hunting related self-defense.
6/12/10	F	Adult	Elkhorn Creek	Known	Human-caused, mistaken identity by black bear hunter.
11/5/10	F	Adult	Donahue Creek	Known	Human-caused, self-defense by hunter, no evidence of young.
7/28/10	F	Adult	Soda Butte Creek	Known	Human-caused, live removal of yearling associated with human fatality and 2 other human injuries.
7/29/10	F	Yearling	Soda Butte Creek	Known	Human-caused, live removal of yearling associated with human fatality and 2 other human injuries.
7/29/10	F	Yearling	Soda Butte Creek	Known	Human-caused, live removal of yearling associated with human fatality and 2 other human injuries.

DATE	SEX	AGE CLASS	LOCATION	CERTAINTY	CAUSE
7/30/10	M	Yearling	Soda Butte Creek	Known	Human-caused, live removal of yearling associated with human fatality and 2 other human injuries.

D. Evaluation and Recommendations

There were 15 mortalities over the 5 year reporting period for an average of 3 per year. This compares to eight mortalities recorded during the period 1998 to 2003, and 5 mortalities recorded from 2004 to 2006. The increase in mortalities over the last 5 years is more likely due to the increase in population as opposed to any problem with management activities or human use of the Forest. In other words the odds of bear/human interaction is higher than it has been in the past. It is also debatable as to how much of this mortality would have been preventable. No change in management is recommended.

Item No. 8	Effectiveness of Best Management Practices

A. Summary of Forest Plan Direction

Forest Plan monitoring requirement #8 is to assess the effectiveness of Best Management Practices (BMPs) in controlling effects of management induced sediment on beneficial uses of water. (Forest Plan Table IV-1, page IV-5).

B. Introduction

Bear Creek in Bear Canyon near Bozeman, Montana was monitored for water quality in 2011 at 4 sites for discharge, suspended sediment, bedload sediment and turbidity. The objective was to assess changes in water quality in Bear Creek from 2003 (Story and Taylor, 2004) when water quality monitoring was initiated to establish a baseline for the sediment levels in Bear Creek and evaluate above and below sediment levels from land management activities – primarily roads and trails and downstream residential and agricultural activities.

In 2003 a larger and longer duration cooperative water quality monitoring project was conducted in Bear Canyon. Cooperators included the Gallatin National Forest, numerous Bear Canyon homeowners, Montana DEQ, Montana Water Center, the Gallatin Local Water District, and several other volunteers. Fish population shocking (Gallatin NF) was conducted in October 2003 (Barndt and Bay, 2003). A Beneficial Use Determination for Bear Canyon was completed by the Gallatin Local Water District and Montana DEQ in 2004 http://cwaic.mt.gov/Default.aspx . The 2003 monitoring of sediment, turbidity, and discharge in Bear Creek was designed to respond to public concerns, primarily Bear Canyon homeowners, about erosion and water quality in Bear Creek due to motorized recreation use, particularly ATV's, and livestock grazing. The 2003 monitoring found extensive water quality impacts from motorized trail use in Bear Canyon as well as road, residences, and agriculture sediment increases below the NF boundary.

The 1/2005 Beneficial Use Determination (by Al Nixon) documented partial beneficial use support with unpaved road runoff (including trail sediment) which prompted the inclusion of Bear Canyon on the 2006 303(d) list http://cwaic.mt.gov/Default.aspx with TMDL completion scheduled for 2012. The beneficial use support information and impairment information for the listed section of Bear Creek is tabulated below.

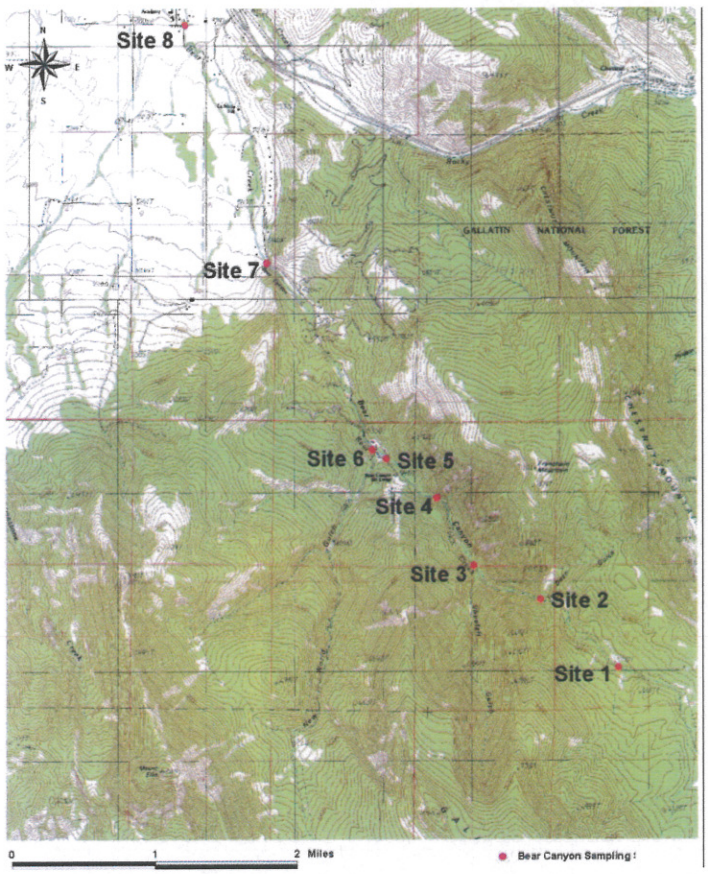
Beneficial Use Support Information

Use Name	Fully Supporting	Partially Supporting	Not Supporting	Insufficient Information
Agricultural	✓			
Aquatic Life		✓		
Cold Water Fishery		✓		
Drinking Water	✓			
Industrial		✓		
Primary Contact Recreation		✓		

The 2003 monitoring information was useful in the completion of the Gallatin NF Travel Management Plan (2006) which deferred motorized use in Bear Canyon until NF trails are rehabilitated sufficiently to support motorbike and ATV use. The use of Bear Canyon TPA for motorized recreation requires extensive trail rehabilitation to meet Gallatin NF trail standards before motorized use can use the area without additional trail damage. All of the trail upgrades have been completed along the lower trail #440 system including the new trail alignment in Section 6 T3S R7E on the east side of Bear Creek, obliteration of the original trail on the west side, and improved drainage, new trail bridges. In addition in 2011 rehab work included improved trail surface durability in sections 7, 8, 9, 17, 20 of T3S R7E, and completion of trail improvement work in sections 20, 21, 22, and 28 of T3S R7E including improved drainage, trail surface puddle reduction, more durable subgrade, and rehabilitating and blocking unauthorized spur user made motorized ATV and motorbike routes.

Methods

Four of the 2003 sites were selected for the Bear Creek sampling in 2011 sites #3, #4, #5, and #8. Site selection was designed to sample upstream of the previously most intensively impacted segment of Bear Creek between sites #3 and #4. Site #5 is at the Bear Canyon trailhead site #8 at Bozeman Trail road. All sampling sites are shown on the map below.



Sampling was done during 10 days between April 25 and August 18 by Mark Story, Kenneth Hancock, Michael Donch, Lisa Stoeffler, Jeremy Kunzman, Matt Mitchell, Grant Morrison, and Dana Bangart. A Forest Service staff gages (to calibrate the relationship between stage and discharge) were used at site #5 and. An existing staff gage at the Bozeman Trail road bridge was used at site #8. Measurements included discharge (cfs) using USGS pygmy and price AA meters with a Swoffer digital revolutions/seconds counter, suspended sediment (DH 48 wading sampler), bedload sediment (Helly-Smith 3" sampler), and turbidity with a HACH 2100A turbidity meter. Stage at sites #5, and #8 was recorded during each sampling event. Kenneth Hancock did all water quality laboratory analysis at the Gallatin NF water lab in Bozeman using a gravimetric filtration method for suspended sediment with a Mettler H72 balance to 0.00001 g. Bedload sediment was weighed with an Acculab V-1200 balance and bedload discharge calculated by factoring in sampling area and time. Turbidity was measured with a HACH 2100A turbimeter using freshly calibrated Gelex standards. All water quality data is enclosed.

Bedload sampler in Bear Creek Site #3 on 8/18/2011.

C. Monitoring Results

All data from the 2011 Bear Creek monitoring is included in the following table. Measured suspended sediment, bedload sediment, turbidity, and discharge means were tabulated for all sampling dates (4/25 to 8/18, 2011).

Site	Discharge CFS	Turbidity NTU	Suspended Sediment mg/L	Bedoad Sediment Tons/day
3	35	39.8	87.0	9.2
4	38.6	41.5	92.9	1.2
5	38.3	44.0	92.3	0.7
8	67.9	44.2	80.8	1.0

In 2011 discharge was low during late April and early May then accelerated sharply in mid May and remained very high through mid June with peak flows at all sites on May 24. Precipitation and discharge decreased sharply in late June after snowmelt runoff and a weather change to below average summer precipitation.

The Gallatin National Forest, and much of southwest and south central Montana, including Bear Canyon, had much above average runoff events in May and June of 2011 due to substantially above average snowpacks in the Gallatin, Absaroka, Bearooth, Bridger, and Crazy Mountain ranges and well above average May and early June 2011 rain events. During June 2011 snowpacks set record snow water equivalent (SWE) amounts over the entire Gallatin NF. Snowpacks were well above previous record levels. Considerable flooding and road/trail infrastructure occurred throughout the Gallatin NF but only minor sloughing in Bear Canyon between sites #4 and #5 and some slippage of the massive slump on the east side of the drainage between sites #3 and #4.

River basin	Apl 1 % of avg	May 1 % of avg	June 1 % of avg	June 23 % of avg.
Madison	113	135	218	560
Gallatin	118	147	244	429
Upper Yellowstone	119	149	222	403

After the robust snowmelt runoff NOAA data indicate that for the July and August period Bozeman had 88% and 73% of average rainfall. The drier than average mid – late summer precipitation also occurred in Bear Canyon with very limited localized rain events and summer stormflow flushing of the watershed.

Statistical analysis of the data (Ponce, 1980; McDonald, 1991) was run using Microsoft Excel spreadsheet linear regressions, and Excel statistical analysis for "t" tests. Of primary statistical question were paired comparisons ("above vs below") to test for statistically significant sediment and turbidity changes between sites. A summary of results include:

1. Paired "t" tests of suspended sediment between site means (day n site X vs day n site Y) showed no statistically significant differences (2 tailed tests at 0.05 alpha level) between sites #3 vs. #4, #4 vs. #5, and #5 vs. #8.

2. Paired "t" tests of turbidity between site means (day n site X vs day n site Y) showed no statistically significant differences (2 tailed test at 0.05 alpha level) between sites #3 vs. #4, #4 vs. #5, and #5 vs. #8.

3. Linear regressions (sediment rating curves) of suspended sediment and log discharge showed good correlation between these variables at site #3 and fair correlation at sites #4, #5, and #8.

Site 3:	log suspended sediment =	0.91 log discharge	- 0.22	R2=0.81
Site 4:	log suspended sediment =	0.81 log discharge	+ 0.66	R2=0.77
Site 5:	log suspended sediment =	0.68 log discharge	+ 0.27	R2=0.78
Site 8:	log suspended sediment =	0.63 log discharge	+ 0.66	R2=0.67

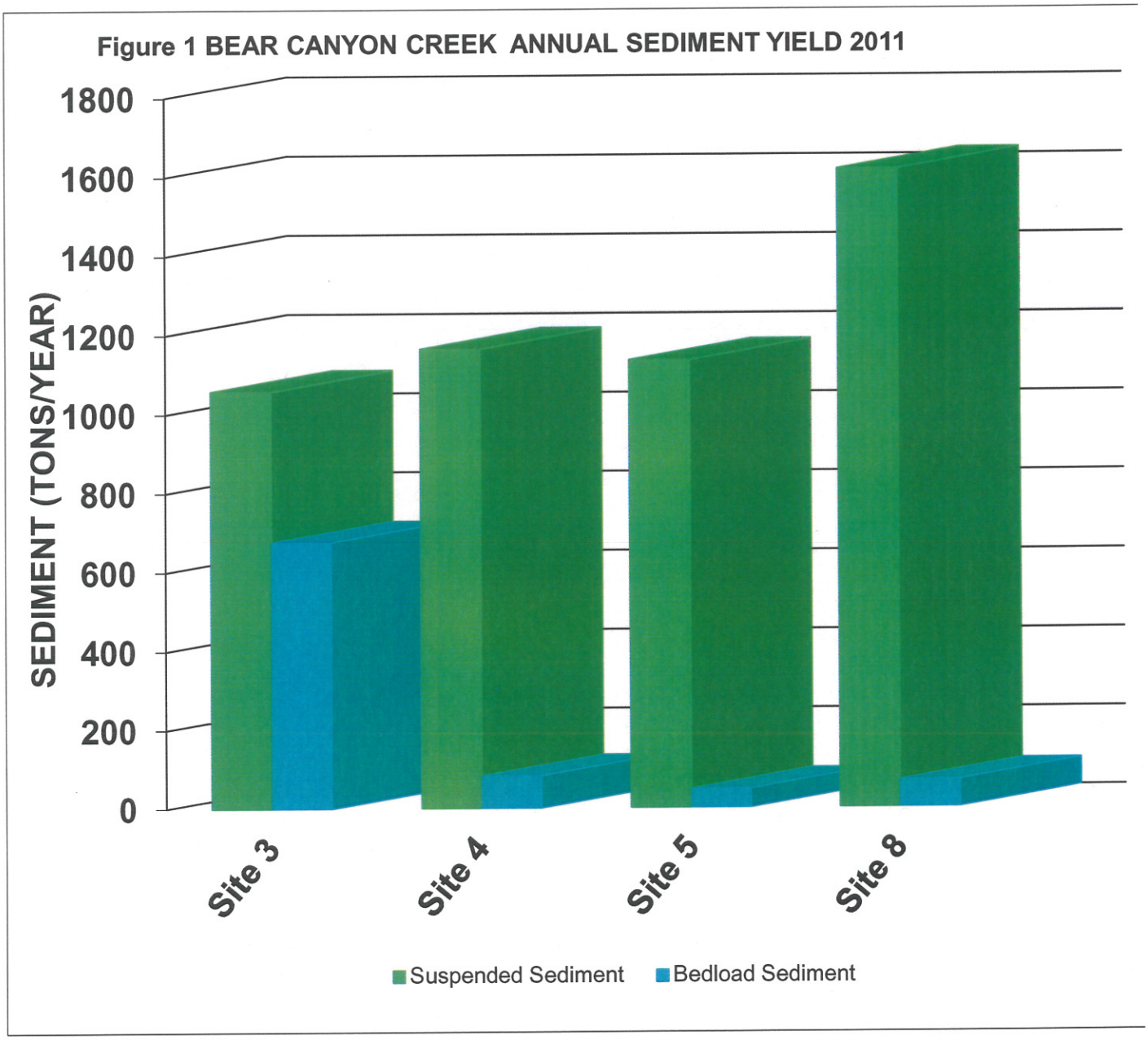
3. Linear regressions (sediment rating curves) of bedload sediment and log discharge showed good correlation between these variables at sites 5 and 8 and fair correlation at sites 3 and 4.

Site 3:	log suspended sediment =	0.27 log discharge	+ 1.47	R2=0.72
Site 4:	log suspended sediment =	0.47 log discharge	+ 1.71	R2=0.77
Site 5:	log suspended sediment =	0.32 log discharge	+ 1.78	R2=0.84
Site 8:	log suspended sediment =	0.33 log discharge	+ 2.05	R2=0.86

Total loadings of suspended and bedload sediment, total sediment (suspended + bedload), and ratio of bedload to suspended sediment were calculated for each site assuming that baseflow days not sampled could be represented by the lowest measured suspended and bedload samples. This assumption is reasonable for suspended sediment but probably over-estimates annual bedload discharge.

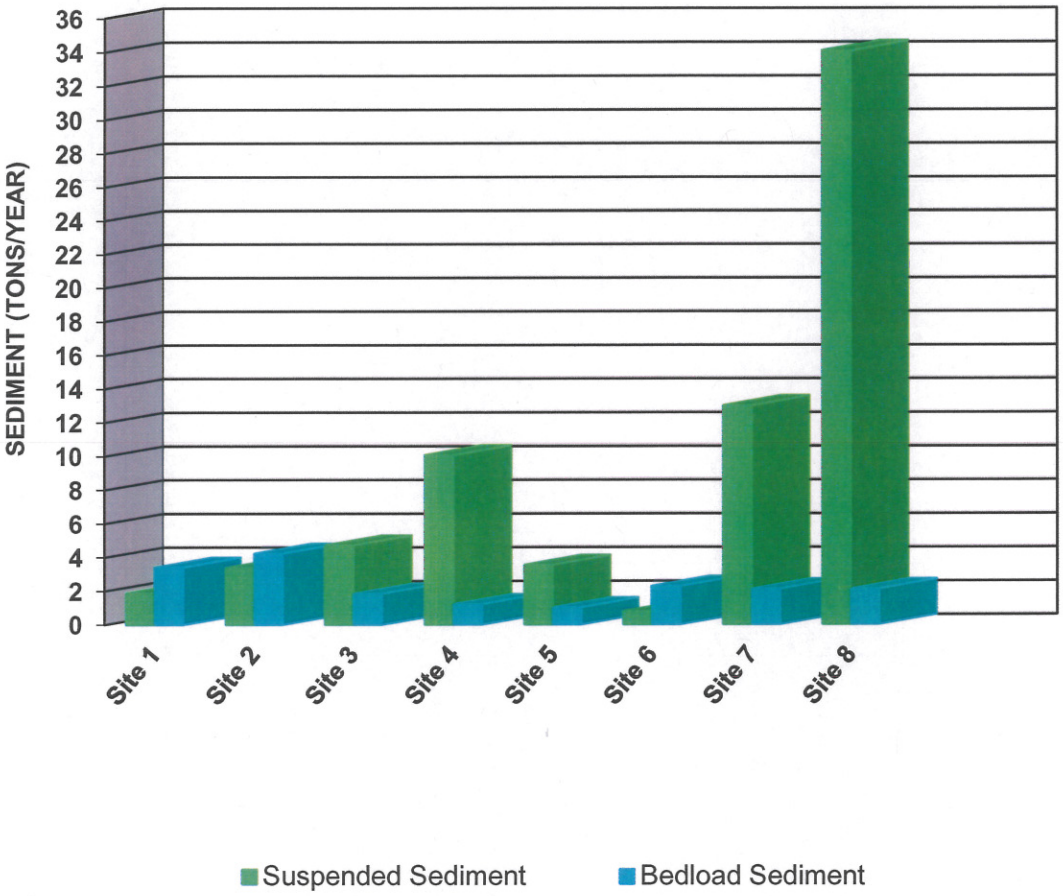
Site	3	4	5	8
watershed size mile2	8.88	9.35	9.83	19.48
suspended sediment tons/year	1862	1278	1246	1776
bedload sediment tons/year	742	90	52	76
total sediment tons/year	1904	1369	1299	1852
suspended sediment tons/mile2/year	131	137	127	91
total sediment tons/mile2/year	214	146	132	95
ratio of bedload sediment to suspended sediment	0.33	0.23	0.2	0.15

Suspended sediment loadings were closely related to stream discharge at all of the sites with the highest stream flow and sediment yields during the snowmelt runoff period in April and May. The suspended sediment and bedload sediment yields are primarily related to discharge variation. At all sites suspended sediment loading was highest during the snowmelt period in May & June but quickly declined after mid June. Suspended sediment increased downstream except for a slight reduction at site #5. Bedload sediment was very high at site #3 then declined through site #8.



Suspended and bedload sediment amounts in 2011 (Figure 1) were remarkably higher than at the same sites in 2003 (Figure 2). At site #3 discharge in 2003 peaked at 32.2 cuffs and suspended sediment at 2.8 mg/L compared to 2011 peaks of 89.5 cfs and 287 mg/L. At site #8 discharge in 2003 peaked at 50.6 cfs and suspended sediment at 54.3 mg/L compared to 2011 peaks of 151 cfs and 260 mg/L. Discharge in 2011 averaged about 3 times 2003 discharge but 2011 suspended sediment about 50 to 107 times 2003 discharge. Bedload sediment was also considerably higher at all sites in 2011 than 2003. The 2011 sediment response was a dramatic documentation of how sediment levels increase exponentially with increasing discharge.

Figure 2 BEAR CANYON CREEK ANNUAL SEDIMENT YIELD 2003



The distribution of measured sediment levels between sites is probably due to series of natural and man-causes factors. Between the 2003 site #2 and 2011 site #3 the Bear Creek stream channel becomes steeper (gradient of 1.73% at site #3) and coarser textured which evidently decreases the fine bedload (silt and sand) loading. Above the 2003 site #2 Bear Creek is low gradient with erodible fine textured streambanks. The high snowmelt discharge of May and early June 2011 evidently mobilized massive amounts of channel source sediment above site #3 hence the large bedload amounts measured at site #3.

Trail #440 was very close to Bear Creek between sites #3 and 4 with several areas of direct runoff discharge before the the Bear Creek trail obliteration and relocation work was completed. in June 2007. The large semi-active slide on the west side of BAER Canyon forced 2 fords of Bear Creek within a few hundred feet. The slump periodically sloughed into Bear Creek and the

fords were quite reactive to crossings by ATV's, motorcycles, and less frequently by horses and mountain bikes. Site #4 is about 100' downstream from the new trail bridge across Bear Creek.

Trail # 440 section between site #3 and site #4 where trail drainage used to directly discharge into Bear Creek left photo. In 2007 the section of trail between sites #3 and #4 was decommissioned (lower left photo) and the trail relocated on a stable bench above Bear Creek. The sharp sediment increase between the 2 sites did not occur in the 2011 sediment data.

Between sites #4 and #5 the Bear Creek stream channel has more separation from Trail #440 and is also steeper (gradient of 3.29% at site #5) and coarser textured. The slight reduction in bedload sediment and substantial reduction of suspended sediment between sites #4 and #5 is probably due primarily to the change to a coarser textured stream type and more resilience to handle the high streamflows of 2011.

Bear Creek site #8 has slightly increased bedload (as compared to site #5) but large increases in suspended sediment in both 2003 and 2011. The high sediment loading at site #8 is probably due to a combination of fine textured streambanks, agricultural use (concentrated cattle grazing along Bear Creek between sites #5 and #8), and irrigation return flows.

Agricultural impacts to Bear Creek about 0.5 miles above site #8 on May 27, 2003. This area was slightly less disturbed in 2011 but remains a substantial sediment source to lower Bear Creek due to bank sloughing and direct stormflow during rain events. The Montana DEQ impairment table http://cwaic.mt.gov/query.aspx (below) lists grazing in riparian zones as a primary cause of impairment as well as roads and trails.

Impairment Information

Probable Causes	Probable Sources	Associated Uses	TMDL Completed
Alteration in stream-side or littoral vegetative covers	Grazing in Riparian or Shoreline Zones	Aquatic Life Cold Water Fishes	NO
Excess Algal Growth	Grazing in Riparian or Shoreline Zones Unspecified Unpaved Road or Trail	Primary Contact Recreation	NO
Phosphorus (Total)	Grazing in Riparian or Shoreline Zones Unspecified Unpaved Road or Trail	Aquatic Life Cold Water Fishes Primary Contact Recreation	NO

Sedimentation/Siltation	Grazing in Riparian or Shoreline Zones Unspecified Unpaved Road or Trail	Aquatic Life Cold Water Fishes	NO
Solids (Suspended/Bedload)	Grazing in Riparian or Shoreline Zones Unspecified Unpaved Road or Trail	Aquatic Life Cold Water Fishes Industrial	NO

The 2011 Bear Creek monitoring measured the highest sediment and turbidity levels since project water quality monitoring was initiated on the Gallatin NF in 1989. Sediment levels were 2 orders of magnitude greater than 2011 than 2003 at all sites. Very high sediment levels likely occurred over much of Montana during May and June of 2011 with record streamflows and robust channel sediment mobilization. In 2011, unlike the much more moderate streamflow year of 2003, the water quality effects of land use, including roads, trails, residential, and agriculture use were difficult to discern with the massive Bear Creek stream channel sediment mobilization and high turbidity. The 2 key findings however are that 1) the sharp sediment increase in 2003 between sites # 3 and #4 likely due primarily to trail source did not occur in 2011 and 2) site #8 sediment increases continued in 2011 likely due to fine textured stream channel and agriculture use.

D. Conclusions

1. Monitoring results indicate that Bear Creek sediment and turbidity is affected by a complex variety of natural and man caused factors, which are difficult to separate. The main variable affecting sediment and turbidity appears to be the naturally unstable and fine textured nature of much of the Bear Creek system. The steepest part of the stream system (as measured at site #5) had reduced sediment levels due partially to more coarse textured stream channels. In the lower sections at site #8 Bear Creek meanders through finer textured channel areas with naturally higher levels of sediment delivery.

2. The 2011 Bear Creek data provided a dramatic documentation of extremely high discharge, suspended and bedload sediment, and turbidity in a record snowmelt runoff year for much of the Gallatin National Forest. Discharge in 2011 averaged 3 times as much as 2003 and sediment levels in 2011 were 50 to 107 times as high as 2003.

4. The larger sediment increase in 2003 between sites #3 and #4 (the decommissioned and relocated Trail #440 section) did occur in 2011 as total sediment was greater at site #3. This is the key finding in the 2011 monitoring and probably partially attributable to the reduced trail sediment source between the sites.

5. The most definitive sediment and turbidity change in Bear Creek occurs between sites #5 and #8. The natural sediment increase due to fine textured and erodible streambanks between the 2 sites appears to be greatly accelerated by agricultural impacts.

Item No. 9 | Soil Stability

A. Summary of Forest Plan Direction

Forest Plan monitoring requirement #9 is to assess whether there has been significant soil stability mass failure or probability of failure due to management practices. (Forest Plan Table IV-1, page IV-5).

B. Introduction

Monitoring management-related mass failure methods include monitoring verbal or written engineering reports of significant failures near roads or in timber sales and annual BMP ("best management practices") reviews. If one occurs, the soil scientist investigates causes. The location and causative factors are compared to the landscape parameters of the site (using the Gallatin National Forest Soil Survey and site investigation).

If the landscape has a "high" or "moderate" hazard for mass failure, and the failure is road related, the failure is listed as increased mass failure because of road location. This counts as a monitoring event.

In other landscapes, if the cause of failure is related to maintenance or road design, the failure is listed as increased mass failure because of lack of maintenance or design. This counts as a monitoring event.

In other landscapes, if the cause of failure is primarily related to extreme weather events, the failure is listed as unavoidable, and is not a monitoring event.

C. Monitoring Results

No significant mass failure events have been recorded during the period 2007 through 2011.

D. Evaluation and Recommendations

The Forest Plan objective of maintaining land productivity (according to the Forest Plan) is being met (Forest-wide standard 10.8, page II-24)

Item No. 10 | Water Yield

A. Summary of Forest Plan Direction

Forest Plan monitoring requirement #10 is to assess whether there has been more than 10% continuous change from 10 year average water yield due to management practices due to management practices. (Forest Plan Table IV-1, page IV-6).

B. Evaluation

Monitoring item #10 was based on a management area (MA) standard in the 1987 Gallatin National Forest Forest Plan for MA's 8, 9, 10, 11, and 13, which required use of the ECA (equivalent clearcut area) procedure to evaluate hydrologic conditions in those MAs. The Forest Plan was amended (Amendment #17, February 1993) to replace ECA procedures with the R1R4/WATSED model to evaluate the sediment effects of management activities. The ECA method was designed to estimate allowable road, disturbance, and construction activity allowed in a watershed constrained by increased runoff and stream channel scour. Subsequent analysis of several projects indicated that increased sediment potential was of greater concern as areas where disturbance/construction occurred resulted in conditions not sufficient to cause stream channel scour. Water yield increases have always been found to be considerably less than 10% (see the 2004-2006 monitoring report, page 87. In short, monitoring the potential for water yield increases due to management practices is unnecessary as it would provide no useful information. Subsequent water yield calculations for a number of Gallatin NF projects confirm that water yield changes have always been considerably less than 10%. Water yield increase calculations during 2011 were provided for the Bozeman Municipal Watershed and Lonesome Wood 2 fuels reduction projects.

Item No. 11 | Implementation Costs

A. Summary of Forest Plan Direction

Forest Plan monitoring requirement #11 is to assess whether there is greater than 15% deviation in the predicted costs to implement the Forest Plan. (Forest Plan Table IV-1, page IV-5).

B. Introduction

While this may have been a meaningful monitoring item in the mid-1980s when the Forest Plan was signed, it is really not useful today. It is important to always strive to be efficient but the costs of management tied to the implementation of the Forest Plan are largely not within Forest control. The Forest Service budget is set by Congress with the expectation that certain amount of output will be accomplished in return. This is then disaggregated at various levels of the organization and ultimately results in each Forest getting a set amount of money and a set number of targets. Budgets have continued to decline and there is no longer much flexibility in how money will be spent. Available funding is used up in meeting fixed costs such as salary and facilities. Cost per unit of output is basically pre-determined.

Therefore, funding provided by expanded budget line item (EBLI) and activity code is provided on the following pages for information and disclosure but these values do not provide a basis for evaluation and recommendations.

C. Monitoring Results

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Unit	BLI	Control Number	Transaction Date	Transaction Type	Description	Fund Type	Change Amount
0111	BDBD	142403	01/12/2007	A	FY 2007 ALLOTMENT (129 ACRES)	NY	$7,391
		Full Year Authority					**$7,391**
	CMFC	141127	10/16/2006	A	FY07 INITIAL ADVICE	NY	$299,000
		157501	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	$49,000
		160373	06/06/2007	A	FY06 CARRYOVER	NY	$3,279
		161269	06/21/2007	A	REC FACILITY MAINTENANCE	NY	$10,700
		162113	07/09/2007	A	W/D COOKE CITY OFFICE RESIDENCE DESIGN	NY	-$20,000
		163146	07/26/2007	A	ADDITIONAL BENNETT CREEK LEX CABIN	NY	$11,000
		Full Year Authority					**$352,979**
	CMII	141128	10/16/2006	A	FY07 INITIAL ADVICE	NY	$33,000
		157496	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	-$6,000
		160378	06/06/2007	A	FY06 CARRYOVER	NY	$19,544
		Full Year Authority					**$46,544**
	CMRD	141130	10/16/2006	A	FY07 INITIAL ADVICE	NY	$439,000
		142990	02/08/2007	A	TRAVEL MGMT RULE DATA INPUT FY07	NY	$13,000
		144374	03/30/2007	A	FUND SWAP	NY	-$7,656
		157501	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	$172,000
		160381	06/06/2007	A	FY06 CARRYOVER	NY	$14,640
		160621	06/08/2007	A	ADDITIONAL PROJECTS: ROAD WORK TO MEET CLEAN WATER REQUIREMENTS	NY	$65,000
		161940	07/02/2007	A	ADDTL FY07 TRAVEL MGMT RULE DATA INPUT:ALL DISTRICTS	NY	$3,200
		162114	07/09/2007	A	TAYLOR FORK CRUSHING ADDITIVE	NY	$20,000
		162115	07/09/2007	A	HYALITE LANDSLIDE EMERGENCY REPAIR	NY	$8,500
		162116	07/09/2007	A	HYALITE PHASE I REC/ROAD CE	NY	$3,200
		164100	08/15/2007	A	HYALITE PAVING MODIFICATION	NY	$24,300
		166462	09/21/2007	A	MILL CREEK BRIDGE	NY	$17,675
		166463	09/21/2007	A	SHIELDS RIVER REPACKAGE	NY	$7,280
		166464	09/21/2007	A	HYALITE GUARD RAIL & LANDSLIDE REPAIR	NY	$21,200
		Full Year Authority					**$801,339**
	CMTL	141133	10/16/2006	A	FY07 INITIAL ADVICE	NY	$454,400
		142990	02/08/2007	A	TRAVEL MGMT RULE DATA INPUT FY07	NY	$16,800
		156480	04/25/2007	A	FY07 TRAIL BLOWDOWN (175.4 MILES)	NY	$50,000
		157501	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	$135,400
		159095	05/21/2007	A	CDT - GENERAL ADMIN & MAINTENANCE	NY	$8,300
		160410	06/06/2007	A	FY06 CARRYOVER	NY	$18,170
		Full Year Authority					**$683,070**
	CP09	141157	10/17/2006	A	FY07 INITIAL ADVICE	NY	$138,000
		157501	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	$31,000

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Unit	BLI	Control Number	Transaction Date	Transaction Type	Description	Fund Type	Change Amount
0111	CP09	**Full Year Authority**					**$169,000**
	CWF2	159225	05/22/2007	A	PER UNIT REQUEST	NY	$30,000
		163979	08/14/2007	A	PER UNIT REQUEST	NY	$270
		Full Year Authority					**$30,270**
	CWFS	144379	03/30/2007	A	RACA ADVANCE COLLECTIONS AGREEMENTS	NY	$218,525
		159414	05/23/2007	A	PER UNIT REQUEST	NY	$15,334
		159559	05/24/2007	A	PER UNIT REQUEST	NY	$72,000
		159645	05/25/2007	A	PER UNIT REQUEST	NY	$5,000
		161265	06/21/2007	A	RACA: CWFSA5 $6,945 FSAA01 $38,000	NY	$44,945
		162849	07/24/2007	A	PER UNIT REQUEST	NY	$66,820
		164516	08/23/2007	A	PER UNIT REQUEST	NY	$15,243
		Full Year Authority					**$437,867**
	CWK2	157501	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	$249,500
		160848	06/13/2007	A	FY06 CARRYOVER	NY	$21,906
		162600	07/18/2007	A	TO COVER PRIOR-YEAR UPWARD ADJUSTMENTS	NY	$1,513
		Full Year Authority					**$272,919**
	CWKV	141158	10/17/2006	A	FY07 INITIAL ADVICE	NY	$11,400
		142660	01/31/2007	A	PER UNIT REQUEST	NY	$3,100
		Full Year Authority					**$14,500**
	FDCL	142663	01/31/2007	A	PER UNIT REQUEST	NY	$18,000
		143437	02/23/2007	A	PER UNIT REQUEST	NY	$26,000
		158731	05/17/2007	A	PER UNIT REQUEST	NY	$10,000
		160969	06/15/2007	A	PER UNIT REQUEST	NY	$4,000
		162849	07/24/2007	A	PER UNIT REQUEST	NY	$7,500
		Full Year Authority					**$65,500**
	FDDS	142663	01/31/2007	A	PER UNIT REQUEST	NY	$190,000
		143437	02/23/2007	A	PER UNIT REQUEST	NY	$145,000
		157496	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	-$800
		158731	05/17/2007	A	PER UNIT REQUEST	NY	$44,500
		Full Year Authority					**$378,700**
	GBGB	142692	01/31/2007	A	PER UNIT REQUEST	NY	$49,032
		142985	02/08/2007	A	PER UNIT REQUEST	NY	$9,863
		143850	03/13/2007	A	PER UNIT REQUEST	NY	$3,315
		Full Year Authority					**$62,210**
	HTAE	156863	04/30/2007	A	FY07 HTAE FUNDING	NY	$12,000
		160712	06/12/2007	A	ADDTL FY07 HTAE: FH 59 BEARTOOTH HWY	NY	$2,000
		Full Year Authority					**$14,000**

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Unit	BLI	Control Number	Transaction Date	Transaction Type	Description	Fund Type	Change Amount
0111	HTER	159223	05/22/2007	A	ERFO FUNDS	NY	$10,000
		160863	06/13/2007	A	HTER MT 2005-1 FS (ERFO)	NY	$18,000
		Full Year Authority					**$28,000**
	LALW	141135	10/16/2006	A	FY07 INITIAL ADVICE	NY	$165,000
		157217	05/03/2007	A	FY06 CARRYOVER	NY	$38,262
		157496	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	-$26,500
		Full Year Authority					**$176,762**
	NFIM	141137	10/16/2006	A	FY07 INITIAL ADVICE	NY	$225,000
		157501	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	$38,100
		162677	07/19/2007	A	R1 FISHER SURVEY:GARDINER RD (DAN TYERS)	NY	$3,000
		162678	07/19/2007	A	R1 FISHER SURVEY:LIVINGSTON RD (RACHEL FEIGLEY)	NY	$3,000
		163334	07/30/2007	A	GYCC REMIX	NY	-$1,600
		166242	09/19/2007	A	FIRE TRANSFER PHASE I	NY	-$3,400
		Full Year Authority					**$264,100**
	NFLM	141138	10/16/2006	A	FY07 INITIAL ADVICE	NY	$358,300
		143727	03/08/2007	A	TRANSFER NFLM FUNDING/TARGET	NY	$16,000
		144374	03/30/2007	A	FUND SWAP	NY	-$3,828
		157501	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	$9,200
		158836	05/18/2007	A	REVERSE TRANSFER OF NFLM FUNDING/TARGET	NY	-$16,000
		161836	06/29/2007	A	NFNF ADDTL:SOUTH COTTONWOOD (BOUNDARY)	NY	$1,000
		161837	06/29/2007	A	NFNF ADDTL:COOK PASS VEG (BOUNDARY)	NY	$4,000
		161846	06/29/2007	A	NFNF ADDTL:BMW VEG (BOUNDARY)	NY	$30,000
		163334	07/30/2007	A	GYCC REMIX	NY	-$300
		164101	08/15/2007	A	BLM 9820 GROUP 982, PINE CREEK LAND EXCHANGE	NY	-$5,700
		165510	09/11/2007	A	NFLM BOUNDARY MANAGEMENT WORK, ATTN J. KEMPFF	NY	$11,500
		Full Year Authority					**$404,172**
	NFMG	141139	10/16/2006	A	FY07 INITIAL ADVICE	NY	$337,100
		157501	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	$5,400
		159077	05/21/2007	A	MINE SAFETY CLOSURES	NY	$75,000
		159078	05/21/2007	A	ADDITIONAL FY07 BASE BUDGET	NY	$20,000
		166242	09/19/2007	A	FIRE TRANSFER PHASE I	NY	-$25,000
		Full Year Authority					**$412,500**
	NFN3	157501	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	$30,400
		166242	09/19/2007	A	FIRE TRANSFER PHASE I	NY	-$9,400
		Full Year Authority					**$21,000**
	NFPN	141140	10/16/2006	A	FY07 INITIAL ADVICE	NY	$45,000
		157501	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	$44,300

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0111	NFPN	Full Year Authority					$89,300
	NFRG	141141	10/16/2006	A	FY07 INITIAL ADVICE	NY	$324,400
		144374	03/30/2007	A	FUND SWAP	NY	-$1,914
		157496	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	-$20,000
		157501	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	$4,100
		158312	05/15/2007	A	REVERSE FY07 FINAL ALLOTMENT	NY	$20,000
		166242	09/19/2007	A	FIRE TRANSFER PHASE I	NY	-$20,000
		Full Year Authority					$306,586
	NFRW	141147	10/16/2006	A	FY07 INITIAL ADVICE	NY	$1,096,000
		144375	03/30/2007	A	FUND SWAP	NY	$13,398
		158315	05/15/2007	A	FY07 FINAL ALLOTMENT	NY	-$20,000
		163334	07/30/2007	A	GYCC REMIX	NY	-$3,500
		166242	09/19/2007	A	FIRE TRANSFER PHASE I	NY	-$5,000
		Full Year Authority					$1,080,898
	NFSD	142658	01/31/2007	A	SCSEP - PY06 EXTENSION	NY	$1,082
		Full Year Authority					$1,082
	NFTM	141148	10/16/2006	A	FY07 INITIAL ADVICE	NY	$265,800
		157501	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	$117,400
		Full Year Authority					$383,200
	NFVW	141149	10/16/2006	A	FY07 INITIAL ADVICE	NY	$777,400
		157496	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	-$16,600
		163335	07/30/2007	A	FY07 GYCC PROJECTS (GALLATIN)	NY	$41,000
		166242	09/19/2007	A	FIRE TRANSFER PHASE I	NY	-$7,000
		Full Year Authority					$794,800
	NFWF	141150	10/16/2006	A	FY07 INITIAL ADVICE	NY	$682,900
		157501	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	$300
		157536	05/08/2007	A	LYNX/WOLVERINE SURVEYS ON GARDINER RD	NY	$5,000
		159674	05/25/2007	A	FY07 MIDYEAR TRAINEE FUNDING	NY	$2,000
		160430	06/08/2007	A	FY07 MIDYEAR: FISHERIES CAREER INTERN (CLINT SESTRICH)	NY	$4,000
		160618	06/08/2007	A	IGBC I&E: YELLOWSTONE ECOSYSTEM	NY	$7,700
		163335	07/30/2007	A	FY07 GYCC PROJECTS (GALLATIN)	NY	$17,400
		163841	08/09/2007	A	NFWF - Budget Shortfalls	NY	$20,000
		164473	08/23/2007	A	YELLOWSTONE ECOSYSTEM WITHDRAW FOR CWI	NY	-$3,700
		166242	09/19/2007	A	FIRE TRANSFER PHASE I	NY	-$15,000
		Full Year Authority					$720,600
	PSRS	142395	01/12/2007	A	PARTIAL FY06 PSRS CARRYOVER TO UNITS	NY	$3,017
		143073	02/09/2007	A	BEAVERHEAD-MADISON RAC - MADISON COUNTY	NY	$4,218
		160340	06/05/2007	A	FY06 CARRYOVER BALANCE	NY	$1,079

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Unit	BLI	Control Number	Transaction Date	Transaction Type	Description	Fund Type	Change Amount
0111	PSRS	**Full Year Authority**					**$8,314**
	QMQM	143437	02/23/2007	A	PER UNIT REQUEST	NY	$5,000
		143621	03/01/2007	A	PER UNIT REQUEST	NY	$5,000
		160969	06/15/2007	A	PER UNIT REQUEST	NY	$18,000
		162849	07/24/2007	A	PER UNIT REQUEST	NY	$5,755
		Full Year Authority					**$33,755**
	RBRB	157501	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	$43,600
		158005	05/11/2007	A	FY06 CARRYOVER	NY	$11,362
		158203	05/14/2007	A	FY06 ADDITIONAL CARRYOVER	NY	$3,700
		Full Year Authority					**$58,662**
	RIRI	141783	11/14/2006	A	RIRI- GAL - Authority per Unit request	NY	$1,800
		Full Year Authority					**$1,800**
	SPEA	161368	06/22/2007	A	COMMUNITY WILDFIRE/DISASTER PLANNING	NY	$25,000
		Full Year Authority					**$25,000**
	SPFH	142981	02/08/2007	A	POST FIRE COORDINATION PROJECT (L.STOEFFLER)	NY	$15,000
		157501	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	$58,200
		158064	05/11/2007	A	WHITEBARK PINE PROJECTS	NY	$8,000
		158311	05/15/2007	A	REVERSE FY07 FINAL ALLOTMENT	NY	-$58,200
		158316	05/15/2007	A	FY07 FINAL ALLOTMENT	NY	$43,200
		Full Year Authority					**$66,200**
	SPS4	157501	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	$37,900
		Full Year Authority					**$37,900**
	SSSS	141175	10/17/2006	A	FY07 INITIAL ADVICE	NY	$200,000
		142650	01/31/2007	A	ADDITIONAL FY07 AUTHORITY	NY	$25,000
		157501	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	$75,000
		Full Year Authority					**$300,000**
	TRTR	157501	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	$44,000
		158855	05/18/2007	A	FY06 CARRYOVER	NY	$4,059
		164099	08/15/2007	A	DERBY GULCH PRECAST BRIDGE	NY	$39,000
		Full Year Authority					**$87,059**
	URCP	157231	05/03/2007	A	PER UNIT REQUEST	NY	$1,675
		Full Year Authority					**$1,675**
	URFF	156810	04/27/2007	A	PER UNIT REQUEST	NY	$586
		Full Year Authority					**$586**
	URFM	156810	04/27/2007	A	PER UNIT REQUEST	NY	$6,570
		Full Year Authority					**$6,570**

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Fiscal Year: 2007 **Date:** 05/13/2013

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Unit	BLI	Control Number	Transaction Date	Transaction Type	Description	Fund Type	Change Amount
0111	WFHF	141152	10/16/2006	A	FY07 INITIAL ADVICE	NY	$760,900
		157501	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	$48,400
		164834	08/30/2007	A	WFHF AVAILABLE FUNDS	NY	-$57,000
		Full Year Authority					**$752,300**
	WFPR	141153	10/16/2006	A	FY07 INITIAL ADVICE	NY	$2,626,300
		157501	05/08/2007	A	FY 07 FINAL ALLOTMENT	NY	$213,700
		163982	08/14/2007	A	CONTRACT J. SHEA	NY	$2,000
		165263	09/07/2007	A	WFPR WITHDRAW FROM UNITS	NY	-$30,861
		166135	09/18/2007	A	WITHDRAW WFPR SAVINGS	NY	-$9,344
		Full Year Authority					**$2,801,795**
	WFSU	161677	06/28/2007	A	BUDGET AUTHORITY TO COVER BAER EXPENDITURES THRU 06/25/07:JUNGLE (H1C5MR)	NY	$66,238
		161678	06/28/2007	A	BUDGET AUTHORITY TO COVER BAER EXPENDITURES THRU 06/25/07:DERBY (H1C4YP)	NY	$894,785
		161680	06/28/2007	A	BUDGET AUTHORITY TO COVER BAER EXPENDITURES THRU 06/25/07:PASSAGE FALLS (H1C5MU)	NY	$46,426
		161762	06/28/2007	A	BUDGET ALLOCATION TO COVER SPENDING ESTIMATE 06/16-07/07 (PP 12/13):DERBY (H1C4YP)	NY	$44,680
		161763	06/28/2007	A	BUDGET ALLOCATION TO COVER SPENDING ESTIMATE 06/16-07/07 (PP 12/13):JUNGLE (H1C5MR)	NY	$6,752
		161764	06/28/2007	A	BUDGET ALLOCATION TO COVER SPENDING ESTIMATE 06/16-07/07 (PP 12/13):PASSAGE FALLS (H1C5MU)	NY	$21,750
		161765	06/28/2007	A	BUDGET ALLOCATION TO COVER SPENDING ESTIMATE 06/16-07/07 (PP 12/13):BIG CREEK (HNC12X)	NY	$46,818
		163092	07/26/2007	A	BAER AUTHORITY PP14 THRU 09/30 (DERBY H1C4YP)	NY	$332,560
		163093	07/26/2007	A	BAER AUTHORITY PP14 THRU 09/30 (JUNGLE H1C5MR)	NY	$104,520
		163096	07/26/2007	A	BAER AUTHORITY PP14 THRU 09/30 (PASSAGE FALLS H1C5MU)	NY	$167,995
		163098	07/26/2007	A	BAER AUTHORITY PP14 THRU 09/30 (BIG CREEK HNC12X)	NY	$24,858
		163229	07/27/2007	A	BAER:MADISON ARM FIRE (H1BAER) (H1DK51)	NY	$5,100
		164385	08/21/2007	A	BIG CREEK BAER	NY	$105,561
		164415	08/22/2007	A	BIG CREEK ADDITIONAL 0111	NY	$7,000
		166175	09/18/2007	A	BAER EVALUATION (WH COMPLEX)	NY	$26,000
		Full Year Authority					**$1,901,043**
	Unit Authority						**$14,101,948**
Total Authority							**$14,101,948**

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Unit	BLI	Control Number	Transaction Date	Transaction Type	Description	Fund Type	Change Amount
0111	BDBD	164583	08/24/2007	A	FY 08 R1 OPERATING BUDGET	NY	$7,400
		170136	01/18/2008	A	BDBD PER UNIT REQUEST	NY	$9,400
		170158	01/22/2008	A	BDBD REVERSE CONTROL #170136	NY	-$9,400
		170159	01/22/2008	A	BDBD PER UNIT REQUEST	NY	$2,000
		171571	03/04/2008	A	FY08 FINAL BUDGET ADJUSTMENT	NY	$2,000
		171671	03/05/2008	A	REVERSE CONTROL #171571 TO 0111	NY	-$2,000
		176259	05/16/2008	A	BDBD PER UNIT REQUEST	NY	$500
		Full Year Authority					**$9,900**
	CMFC	164584	08/24/2007	A	FY 08 R1 OPERATING BUDGET	NY	$104,000
		171573	03/04/2008	A	FY08 FINAL BUDGET ADJUSTMENT	NY	$5,000
		172242	03/12/2008	A	CMFC FY07 CARRYOVER	NY	$24,594
		176028	05/12/2008	A	CMFC COOKE CITY OFFICE RESIDENCE DESIGN	NY	$25,323
		176828	05/30/2008	A	CMFC/CMRD/CMTL/CP09/NFVW/WFPR ESAT TOS	NY	-$1,800
		178169	07/08/2008	A	CMFC SMALL PROJECT REQUESTS (PORCUPINE RENTAL CABIN TOILET/ANDERSON REC SITE TOILET)	NY	$18,500
		179977	08/15/2008	A	CMCM/NFNF 0111 FIRE TRANSFER	NY	-$5,830
		Full Year Authority					**$169,787**
	CMII	164585	08/24/2007	A	FY 08 R1 OPERATING BUDGET	NY	$27,000
		171575	03/04/2008	A	FY08 FINAL BUDGET ADJUSTMENT	NY	$9,000
		172244	03/12/2008	A	CMII FY07 CARRYOVER	NY	$4,354
		179977	08/15/2008	A	CMCM/NFNF 0111 FIRE TRANSFER	NY	-$11,540
		Full Year Authority					**$28,814**
	CMLG	172225	03/12/2008	A	CMLG WATERSHED IMPROVEMENT PROJECTS	NY	$245,000
		172226	03/12/2008	A	CMLG AQUATIC ORGANISM PASSAGE PROJECTS	NY	$160,000
		179977	08/15/2008	A	CMCM/NFNF 0111 FIRE TRANSFER	NY	-$17,500
		181505	09/22/2008	A	CMLG SMITH CREEK CULVERTS	NY	$100,000
		181506	09/22/2008	A	CMLG TAYLOR FORK SURFACING	NY	$42,000
		Full Year Authority					**$529,500**
	CMRD	164587	08/24/2007	A	FY 08 R1 OPERATING BUDGET	NY	$547,000
		171578	03/04/2008	A	FY08 FINAL BUDGET ADJUSTMENT	NY	$245,000
		172213	03/12/2008	A	CMRD OWCP ADJUSTMENT	NY	-$7,929
		172247	03/12/2008	A	CMRD FY07 CARRYOVER	NY	$41,333
		174553	04/14/2008	A	CMRD FY08 TRAVEL MGMT RULE DATA INPUT	NY	$19,400
		176598	05/28/2008	A	CMRD MIDYEAR:HOOD CREEK C G	NY	$53,000
		176828	05/30/2008	A	CMFC/CMRD/CMTL/CP09/NFVW/WFPR ESAT TOS	NY	-$1,800
		177128	06/10/2008	A	CMRD - Hyalite Canyon Road Slide Emergency Repair	NY	$20,000
		178469	07/15/2008	A	CMRD DEEP CREEK CULVERT FUNDS	NY	$29,000
		179977	08/15/2008	A	CMCM/NFNF 0111 FIRE TRANSFER	NY	-$101,830
		181507	09/22/2008	A	CMRD HOOD CREEK CAMPGROUND	NY	$40,000

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Unit	BLI	Control Number	Transaction Date	Transaction Type	Description	Fund Type	Change Amount
0111	CMRD	**Full Year Authority**					**$883,174**
	CMTL	164590	08/24/2007	A	FY 08 R1 OPERATING BUDGET	NY	$648,000
		171587	03/04/2008	A	FY08 FINAL BUDGET ADJUSTMENT	NY	$60,500
		172198	03/12/2008	A	CMTL FY08 CDNST RE/CONST PROJECT	NY	$135,000
		172201	03/12/2008	A	CMTL FY08 CDNST PLANNING PROJECT	NY	$6,000
		172311	03/13/2008	A	CMTL FY07 CARRYOVER	NY	$7,878
		176352	05/20/2008	A	CMTL TRAVEL MANAGEMENT IMPLEMENTATION (FUNDS SHOULD BE USED TO ADVANCE THE OVERALL TRAVEL MANAGEMENT PROGRAM, INCLUDING TRAILS DATA CLEANUP. IN THE EVENT THE REGIONS HAVE SUFFICIENT RESOURCES TO MEET THE FY08 TRAVEL MANAGEMENT PLANNING REQUIREMENTS, THESE SUPPLEMENTAL FUNDS SHOULD BE USED FOR ON-THE-GROUND TRAIL MAINTENANCE AND IMPROVEMENT)	NY	$24,933
		176353	05/20/2008	A	CMTL CONTINENTAL DIVIDE TRAIL ADMINISTRATION	NY	$8,300
		176751	05/29/2008	A	CMTL/NFRG/NFRW/NFVW/NFWF/WFPR TRAINEE FUNDS (CMTL:T.MONTOYA - $9,000)(NFRG:J.FRYE - $9,000/V.MOLINA - $9,000/K.GILSTRAP - $9,000/A.RODRIGUEZ - $9,000)(NFRW:E.LINDGREN - $6,000/E.TRUJILLO - $9,000)(NFVW:R.MCNAMARA - $6,000)(NFWF:C.DERBEZ - $6,000/J.LOUIE - $6,000)(WFPR:D.WILLIAMS - $9,000/M.MORENO - $9,000/K.HERNANDEZ - $9,000/D.WINSTON - $9,000)	NY	$9,000
		176828	05/30/2008	A	CMFC/CMRD/CMTL/CP09/NFVW/WFPR:ESAT TOS	NY	-$1,800
		179977	08/15/2008	A	CMCM/NFNF 0111 FIRE TRANSFER	NY	-$258,293
		Full Year Authority					**$639,518**
	CP09	164591	08/24/2007	A	FY 08 R1 OPERATING BUDGET	NY	$187,000
		171585	03/04/2008	A	FY08 FINAL BUDGET ADJUSTMENT	NY	$23,000
		176605	05/28/2008	A	CP09 MIDYEAR:BUILDING DISPOSAL	NY	$39,500
		176828	05/30/2008	A	CMFC/CMRD/CMTL/CP09/NFVW/WFPR:ESAT TOS	NY	-$1,800
		Full Year Authority					**$247,700**
	CWF2	168795	11/02/2007	A	CWF2 WBP ARBOR DAY ALLOCATIONS	NY	$1,700
		173623	03/31/2008	A	CWF2 PER UNIT REQUEST	NY	$1,296
		175843	05/06/2008	A	CWF2 PER UNIT REQUEST	NY	$20,000
		178790	07/23/2008	A	CWF2 PER UNIT REQUEST (FSC322 SR01)	NY	$25,000
		Full Year Authority					**$47,996**
	CWFS	167833	10/15/2007	A	PER UNIT REQUEST	NY	$128,606
		167840	10/15/2007	A	PER UNIT REQUEST	NY	$4,707

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Unit	BLI	Control Number	Transaction Date	Transaction Type	Description	Fund Type	Change Amount
0111	CWFS	168337	10/25/2007	A	CWFS PER UNIT REQUEST	NY	$63,255
		169651	12/17/2007	A	CWFS PER UNIT REQUEST	NY	$11,076
		169929	01/11/2008	A	CWFS/FDCL/FDDS PER UNIT REQUEST	NY	$123,571
		174528	04/14/2008	A	CWFS PER UNIT REQUEST	NY	$7,759
		175374	04/28/2008	A	CWFS PER UNIT REQUEST	NY	$16,776
		175844	05/06/2008	A	CWFS PER UNIT REQUEST	NY	$2,000
		177456	06/18/2008	A	CWFS PER UNIT REQUEST	NY	$10,256
		177938	07/02/2008	A	FDCL/FDDS/CWFS PER UNIT REQUEST	NY	$27,905
		178640	07/18/2008	A	CWFS PER UNIT REQUEST (CWFSA9)	NY	$12,000
		178670	07/21/2008	A	CWFS PER UNIT REQUEST (FSAA05)	NY	$10,000
		179611	08/08/2008	A	CWFS PER UNIT REQUEST	NY	$28,000
		180487	08/27/2008	A	CWFS PER UNIT REQUEST (CWFSA8 ADD-ON)	NY	$9,614
		180655	09/04/2008	A	CWFS PER UNIT REQUEST (CWFS37)	NY	$9,100
		Full Year Authority					**$464,625**
	CWKV	164593	08/24/2007	A	FY 08 R1 OPERATING BUDGET	NY	$81,300
		172188	03/12/2008	A	CWKV W/D PER UNIT REQUEST	NY	-$54,850
		Full Year Authority					**$26,450**
	FDCL	169929	01/11/2008	A	CWFS/FDCL/FDDS PER UNIT REQUEST	NY	$48,000
		174005	04/05/2008	A	FDCL PER UNIT REQUEST	NY	$13,000
		177694	06/25/2008	A	FDCL PER UNIT REQUEST	NY	$10,000
		177938	07/02/2008	A	FDCL/FDDS/CWFS PER UNIT REQUEST	NY	$13,000
		Full Year Authority					**$84,000**
	FDDS	169929	01/11/2008	A	CWFS/FDCL/FDDS PER UNIT REQUEST	NY	$340,000
		177692	06/25/2008	A	FDDS PER UNIT REQUEST	NY	$125,000
		177938	07/02/2008	A	FDCL/FDDS/CWFS PER UNIT REQUEST	NY	$39,000
		Full Year Authority					**$504,000**
	FDRF	171225	02/26/2008	A	FDRF FY08 FINAL ALLOTMENT	NY	$203,500
		Full Year Authority					**$203,500**
	GBGB	172186	03/12/2008	A	GBGB PER UNIT REQUEST	NY	$6,141
		Full Year Authority					**$6,141**
	HTAE	168343	10/25/2007	A	HTAE FH 59 BEARTOOTH HIGHWAY	NY	$12,000
		Full Year Authority					**$12,000**
	HTER	177158	06/10/2008	A	MT2005-1 FS ERFO event upward adjustment	NY	$1,366
		Full Year Authority					**$1,366**
	HTFB	171008	02/21/2008	A	HTFB FED HWYS/NATL SCENIC BYWAYS PRGM	NY	$2,000

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Unit	BLI	Control Number	Transaction Date	Transaction Type	Description	Fund Type	Change Amount
0111	HTFB	**Full Year Authority**					**$2,000**
	LALW	164594	08/24/2007	A	FY 08 R1 OPERATING BUDGET	NY	$93,500
		171588	03/04/2008	A	FY08 FINAL BUDGET ADJUSTMENT	NY	$20,000
		172223	03/12/2008	A	LALW REEB PURCHASE	NY	$25,000
		179430	08/04/2008	A	FY08 FIRE TRANSFER	NY	-$6,028
		Full Year Authority					**$132,472**
	NFIM	164595	08/24/2007	A	FY 08 R1 OPERATING BUDGET	NY	$275,000
		171556	03/04/2008	A	FY08 FINAL BUDGET ADJUSTMENT	NY	$25,000
		172210	03/12/2008	A	NFIM FISHER PROJECT FUNDING (DAN TYERS)	NY	$3,000
		175637	05/02/2008	A	NFIM RIM FISHER SURVEY FUNDS (RACHEL FEIGLEY)	NY	$3,000
		176401	05/21/2008	A	NFIM RIM FISHER PROJECT FUNDING (FEIGLEY)	NY	$3,000
		176444	05/22/2008	A	NFIM RIM:REVERSE FISHER PROJECT FUNDING (CONTROL #176401)	NY	-$3,000
		179977	08/15/2008	A	CMCM/NFNF 0111 FIRE TRANSFER	NY	-$5,000
		Full Year Authority					**$301,000**
	NFLM	164596	08/24/2007	A	FY 08 R1 OPERATING BUDGET	NY	$360,300
		171557	03/04/2008	A	FY08 FINAL BUDGET ADJUSTMENT	NY	$33,900
		172214	03/12/2008	A	NFLM OWCP ADJUSTMENT	NY	-$3,965
		176132	05/13/2008	A	NFLM FY08 GYCC FUND TRANSFERS	NY	$2,500
		176336	05/20/2008	A	NFLM/NFRW/NFWF FY08 GYCC SWAP	NY	-$2,500
		176611	05/28/2008	A	NFLM MIDYEAR:REEB ESTATE	NY	$6,000
		179046	07/29/2008	A	NFLM 4TH QTR BLM 9820 TRANSFER (GROUP 1046 - SNOWY RANGE RANCH)	NY	-$13,000
		179977	08/15/2008	A	CMCM/NFNF 0111 FIRE TRANSFER	NY	-$5,000
		Full Year Authority					**$378,235**
	NFMG	164597	08/24/2007	A	FY 08 R1 OPERATING BUDGET	NY	$400,400
		171558	03/04/2008	A	FY08 FINAL BUDGET ADJUSTMENT	NY	-$44,600
		178732	07/22/2008	A	NFMG PRP SEARCH OF REPUBLIC MILLSITE	NY	$3,950
		179977	08/15/2008	A	CMCM/NFNF 0111 FIRE TRANSFER	NY	-$25,000
		Full Year Authority					**$334,750**
	NFN3	171560	03/04/2008	A	FY08 FINAL BUDGET ADJUSTMENT	NY	$109,500
		177118	06/10/2008	A	NFN3 - Wildland Seed Collection Project/R1 Seed Transfer Zone Study	NY	$2,400
		179977	08/15/2008	A	CMCM/NFNF 0111 FIRE TRANSFER	NY	-$54,000
		Full Year Authority					**$57,900**
	NFPN	164598	08/24/2007	A	FY 08 R1 OPERATING BUDGET	NY	$90,000
		179977	08/15/2008	A	CMCM/NFNF 0111 FIRE TRANSFER	NY	-$2,000
		Full Year Authority					**$88,000**
	NFRG	164599	08/24/2007	A	FY 08 R1 OPERATING BUDGET	NY	$324,400
		172215	03/12/2008	A	NFRG OWCP ADJUSTMENT	NY	-$1,982

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Fiscal Year: 2008 **Date:** 05/13/2013
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Unit	BLI	Control Number	Transaction Date	Transaction Type	Description	Fund Type	Change Amount
0111	NFRG	176751	05/29/2008	A	CMTL/NFRG/NFRW/NFVW/NFWF/WFPR TRAINEE FUNDS (CMTL:T.MONTOYA - $9,000)(NFRG:J.FRYE - $9,000/V.MOLINA - $9,000/K.GILSTRAP - $9,000/A.RODRIGUEZ - $9,000)(NFRW:E.LINDGREN - $6,000/E.TRUJILLO - $9,000)(NFVW:R.MCNAMARA - $6,000)(NFWF:C.DERBEZ - $6,000/J.LOUIE - $6,000)(WFPR:D.WILLIAMS - $9,000/M.MORENO - $9,000/K.HERNANDEZ - $9,000/D.WINSTON - $9,000)	NY	$36,000
		179977	08/15/2008	A	CMCM/NFNF 0111 FIRE TRANSFER	NY	-$27,000
		Full Year Authority					**$331,418**
	NFRW	164600	08/24/2007	A	FY 08 R1 OPERATING BUDGET	NY	$1,145,000
		171564	03/04/2008	A	FY08 FINAL BUDGET ADJUSTMENT	NY	-$75,800
		172216	03/12/2008	A	NFRW OWCP ADJUSTMENT	NY	$13,876
		176130	05/13/2008	A	NFRW FY08 GYCC FUND TRANSFERS	NY	$5,500
		176336	05/20/2008	A	NFLM/NFRW/NFWF FY08 GYCC SWAP	NY	-$9,950
		176507	05/23/2008	A	NFRW/NFVW R4 SHARE OF R1 FUNDED GYCC PROJECTS (NFRW:B-T - $9,000/C-T - $6,462)(NFVW:B-T - $44/C-T - $11,750)	NY	$15,462
		176508	05/23/2008	A	NFRW/NFWF R2 SHARE OF R1 FUNDED GYCC PROJECTS (NFRW:SHOSHONE - $4,082)(NFWF:SHOSHONE - $3,500)	NY	$4,082
		176751	05/29/2008	A	CMTL/NFRG/NFRW/NFVW/NFWF/WFPR TRAINEE FUNDS (CMTL:T.MONTOYA - $9,000)(NFRG:J.FRYE - $9,000/V.MOLINA - $9,000/K.GILSTRAP - $9,000/A.RODRIGUEZ - $9,000)(NFRW:E.LINDGREN - $6,000/E.TRUJILLO - $9,000)(NFVW:R.MCNAMARA - $6,000)(NFWF:C.DERBEZ - $6,000/J.LOUIE - $6,000)(WFPR:D.WILLIAMS - $9,000/M.MORENO - $9,000/K.HERNANDEZ - $9,000/D.WINSTON - $9,000)	NY	$15,000
		179977	08/15/2008	A	CMCM/NFNF 0111 FIRE TRANSFER	NY	-$35,600
		Full Year Authority					**$1,077,570**
	NFTM	164602	08/24/2007	A	FY 08 R1 OPERATING BUDGET	NY	$428,100
		171566	03/04/2008	A	FY08 FINAL BUDGET ADJUSTMENT	NY	-$4,000
		179977	08/15/2008	A	CMCM/NFNF 0111 FIRE TRANSFER	NY	-$7,000
		Full Year Authority					**$417,100**
	NFVW	164603	08/24/2007	A	FY 08 R1 OPERATING BUDGET	NY	$717,700
		171568	03/04/2008	A	FY08 FINAL BUDGET ADJUSTMENT	NY	$53,500
		171672	03/05/2008	A	NFVW CORRECT FY08 TREE IMPROVEMENT PROGRAM AMOUNT	NY	-$1,100
		176337	05/20/2008	A	NFVW FY08 GYCC SWAP	NY	$15,750
		176540	05/27/2008	A	NFVW R4 SHARE OF R1 FUNDED GYCC PROJECTS (B-T - $44/C-T -	NY	$11,794

Unit	BLI	Control Number	Transaction Date	Transaction Type	Description	Fund Type	Change Amount
0111	NFVW				$11,750)		
		176751	05/29/2008	A	CMTL/NFRG/NFRW/NFVW/NFWF/WFPR TRAINEE FUNDS (CMTL:T.MONTOYA - $9,000)(NFRG:J.FRYE - $9,000/V.MOLINA - $9,000/K.GILSTRAP - $9,000/A.RODRIGUEZ - $9,000)(NFRW:E.LINDGREN - $6,000/E.TRUJILLO - $9,000)(NFVW:R.MCNAMARA - $6,000)(NFWF:C.DERBEZ - $6,000/J.LOUIE - $6,000)(WFPR:D.WILLIAMS - $9,000/M.MORENO - $9,000/K.HERNANDEZ - $9,000/D.WINSTON - $9,000)	NY	$6,000
		176828	05/30/2008	A	CMFC/CMRD/CMTL/CP09/NFVW/WFPR:ESAT TOS	NY	-$3,500
		177885	07/01/2008	A	NFVW TRAINEE FUNDS (JOAN LOUIE)	NY	$3,000
		179977	08/15/2008	A	CMCM/NFNF 0111 FIRE TRANSFER	NY	-$37,000
		Full Year Authority					**$766,144**
	NFWF	164604	08/24/2007	A	FY 08 R1 OPERATING BUDGET	NY	$702,000
		171569	03/04/2008	A	FY08 FINAL BUDGET ADJUSTMENT	NY	$47,500
		176131	05/13/2008	A	NFWF FY08 GYCC FUND TRANSFERS	NY	$3,000
		176336	05/20/2008	A	NFLM/NFRW/NFWF FY08 GYCC SWAP	NY	-$3,300
		176507	05/23/2008	A	NFRW/NFVW R4 SHARE OF R1 FUNDED GYCC PROJECTS (NFRW:B-T - $9,000/C-T - $6,462)(NFVW:B-T - $44/C-T - $11,750)	NY	$11,794
		176508	05/23/2008	A	NFRW/NFWF R2 SHARE OF R1 FUNDED GYCC PROJECTS (NFRW:SHOSHONE - $4,082)(NFWF:SHOSHONE - $3,500)	NY	$3,500
		176539	05/27/2008	A	NFWF REVERSE CONTROL #176507	NY	-$11,794
		176625	05/28/2008	A	NFWF MIDYEAR:BISON MANAGEMENT	NY	$25,000
		176751	05/29/2008	A	CMTL/NFRG/NFRW/NFVW/NFWF/WFPR TRAINEE FUNDS (CMTL:T.MONTOYA - $9,000)(NFRG:J.FRYE - $9,000/V.MOLINA - $9,000/K.GILSTRAP - $9,000/A.RODRIGUEZ - $9,000)(NFRW:E.LINDGREN - $6,000/E.TRUJILLO - $9,000)(NFVW:R.MCNAMARA - $6,000)(NFWF:C.DERBEZ - $6,000/J.LOUIE - $6,000)(WFPR:D.WILLIAMS - $9,000/M.MORENO - $9,000/K.HERNANDEZ - $9,000/D.WINSTON - $9,000)	NY	$15,000
		177219	06/11/2008	A	NFWF, Trainee Miguel Moreno funding per unit request	NY	$9,000
		178789	07/23/2008	A	NFWF LYNX AND WOLVERINE FIELD SURVEYS (DAN TYERS)	NY	$10,000
		179977	08/15/2008	A	CMCM/NFNF 0111 FIRE TRANSFER	NY	-$34,000
		Full Year Authority					**$777,700**
	PSRS	167490	10/03/2007	A	FY07 CARRYOVER (PARTIAL ALLOTMENT)	NY	$2,516
		171680	03/05/2008	A	PSRS BALANCE FY07 CARRYOVER	NY	$2,857
		172867	03/21/2008	A	PSRS BEAVERHEAD-MADISON	NY	$4,257

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0111	PSRS				RAC:MADISON CO (FY07 C/O)		
		175806	05/06/2008	A	PSRS TRANSFER RAC FUNDING	NY	$23,593
		Full Year Authority					**$33,223**
	QMQM	173622	03/31/2008	A	QMQM PER UNIT REQUEST	NY	$40,000
		Full Year Authority					**$40,000**
	RBRB	171681	03/05/2008	A	RBRB FY07 CARRYOVER	NY	$47,499
		174982	04/21/2008	A	RBRB FY08 UNIT DISTRIBUTION	NY	$8,650
		Full Year Authority					**$56,149**
	RIRI	167832	10/15/2007	A	PER UNIT REQUEST	NY	$1,800
		Full Year Authority					**$1,800**
	SPFH	171594	03/04/2008	A	FY08 FINAL ALLOTMENT	NY	$52,500
		174474	04/14/2008	A	SPFH WBP (REGENERATION FOLLOWING 1988 YELLOWSTONE FIRES)	NY	$5,000
		180217	08/20/2008	A	SPFH FY08 FIRE TRANSFER	NY	-$7,100
		Full Year Authority					**$50,400**
	SPS4	171596	03/04/2008	A	FY08 FINAL ALLOTMENT	NY	$59,500
		175675	05/02/2008	A	SPS4 (FY07 C/O) ($10,000 CABIN CREEK CG THINNING)($4,000 WBP PROJECTS)	NY	$14,000
		180219	08/20/2008	A	SPS4 FY08 FIRE TRANSFER	NY	-$13,200
		Full Year Authority					**$60,300**
	SSSS	164606	08/24/2007	A	FY 08 R1 OPERATING BUDGET	NY	$140,000
		Full Year Authority					**$140,000**
	TPBP	170074	01/16/2008	A	TPBP PER UNIT REQUEST	NY	$4,680
		Full Year Authority					**$4,680**
	URCP	179507	08/06/2008	A	URFF/URFM/URCP PER UNIT REQUEST	NY	$2,069
		Full Year Authority					**$2,069**
	URFF	179507	08/06/2008	A	URFF/URFM/URCP PER UNIT REQUEST	NY	$598
		Full Year Authority					**$598**
	URFM	179507	08/06/2008	A	URFF/URFM/URCP PER UNIT REQUEST	NY	$3,879
		Full Year Authority					**$3,879**
	URMJ	178049	07/03/2008	A	URMJ PER UNIT CASH COLLECTIONS	NY	$13,680
		178068	07/07/2008	A	URMJ PER UNIT REQUEST (COST RECOVERY MONITORING)	NY	$10,389
		Full Year Authority					**$24,069**
	WFHF	164607	08/24/2007	A	FY 08 R1 OPERATING BUDGET	NY	$1,126,400
		171554	03/04/2008	A	FY08 FINAL BUDGET ADJUSTMENT	NY	-$217,400

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0111	WFHF	176630	05/28/2008	A	WFHF MIDYEAR:HAZARDOUS FUELS	NY	$30,000
		179588	08/08/2008	A	WFHF FY08 FIRE TRANSFER	NY	-$35,400
		181049	09/12/2008	A	WFHF/WFW3 SWAP	NY	-$25,000
		181099	09/15/2008	A	WFHF REVERSE CONTROL #181049	NY	$25,000
		181100	09/15/2008	A	WFHF/WFW3 SWAP	NY	$25,000
		Full Year Authority					**$928,600**
	WFPR	164608	08/24/2007	A	FY 08 R1 OPERATING BUDGET	NY	$2,865,900
		166104	09/18/2007	A	WFPR SAVINGS WITHDRAWN	NY	-$9,344
		166171	09/18/2007	A	REVERSE CONTROL #166104	NY	$9,344
		171555	03/04/2008	A	FY08 FINAL BUDGET ADJUSTMENT	NY	-$1,000
		172212	03/12/2008	A	WFPR FY08 FIRE APPRENTICE ACADEMY	NY	-$5,500
		176751	05/29/2008	A	CMTL/NFRG/NFRW/NFVW/NFWF/WFPR TRAINEE FUNDS (CMTL:T.MONTOYA - $9,000)(NFRG:J.FRYE - $9,000/V.MOLINA - $9,000/K.GILSTRAP - $9,000/A.RODRIGUEZ - $9,000)(NFRW:E.LINDGREN - $6,000/E.TRUJILLO - $9,000)(NFVW:R.MCNAMARA - $6,000)(NFWF:C.DERBEZ - $6,000/J.LOUIE - $6,000)(WFPR:D.WILLIAMS - $9,000/M.MORENO - $9,000/K.HERNANDEZ - $9,000/D.WINSTON - $9,000)	NY	$36,000
		176828	05/30/2008	A	CMFC/CMRD/CMTL/CP09/NFVW/WFPR: ESAT TOS	NY	-$2,450
		177068	06/09/2008	A	McCormick TOS	NY	$21,000
		177218	06/11/2008	A	WFPR, Trainee Miguel Moreno, withdraw WFPR and allot NFWF per unit	NY	-$9,000
		179508	08/06/2008	A	WFPR FY08 FIRE TRANSFER	NY	-$35,000
		Full Year Authority					**$2,869,950**
	WFSU	172379	03/14/2008	A	WFSU PRO-RATED BAER BUDGET AUTHORITY RECEIVED-TO-DATE	NY	$429,794
		172521	03/17/2008	A	WFSU ADJUST PRO-RATED BAER AUTHORITY RECEIVED-TO-DATE	NY	-$62,668
		Full Year Authority					**$367,126**
	WFW3	171597	03/04/2008	A	FY08 FINAL ALLOTMENT	NY	$720,500
		176637	05/28/2008	A	WFW3 MIDYEAR:REFO ASSESSMENTS	NY	$6,000
		181050	09/12/2008	A	WFHF/WFW3 SWAP	NY	-$25,000
		Full Year Authority					**$701,500**
	Unit Authority						**$13,807,103**
Total Authority							**$13,807,103**

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0111	BDBD	181963	09/29/2008	A	BDBD R1 FY09 OPERATING BUDGET	NY	$9,400
		186227	02/02/2009	A	WITHDRAW AUTHORITY PER UNIT REQUEST	NY	-$6,275
		190531	05/21/2009	A	FY09 FINAL ALLOCATION ADJUSTMENT	NY	$6,275
		191564	06/04/2009	A	BUDGET AUTHORITY ADJUSTMENT PER UNIT REQUEST	NY	-$6,275
		Full Year Authority					**$3,125**
	CMFC	181964	09/29/2008	A	CMFC R1 FY09 OPERATING BUDGET	NY	$634,000
		184664	12/07/2008	A	FIRE TRANSFER PAYBACK	NY	$53,000
		185414	01/12/2009	A	CIP:FAIRY LAKE CAMPGROUND AND TRAILHEADS	NY	$11,000
		185415	01/12/2009	A	CIP:HYALITE ACCESS/TRAVEL IMPLEMENTATION	NY	$12,000
		185786	01/22/2009	A	COOKE CITY OFFICE (RO DESIGN AND ADMIN)	NY	$22,271
		185959	01/28/2009	A	FY08 CMFC CARRYOVER	NY	$14,400
		186594	02/10/2009	A	CE FOR HYALITE PARTNERSHIP FY09 CIP PROJECT	NY	$7,000
		190374	05/21/2009	A	FY09 FINAL ALLOCATION ADJUSTMENT	NY	-$37,871
		191214	06/02/2009	A	CORRECTION TO FY09 FINAL ALLOTMENT: HYALITE ACCESS/TRAVEL IMPLEMENTATION NOT INCLUDED ON FINAL PBA SPREADSHEET (ALLOTTED 01/12/09)	NY	$12,000
		191216	06/02/2009	A	CORRECTION TO FY09 FINAL ALLOTMENT: COOKE CITY OFFICE NOT INCLUDED ON FINAL PBA SPREADSHEET (ALLOTTED 01/22/09)	NY	$22,271
		196990	09/02/2009	A	EARTHQUAKE LAKE VISITOR INFO CENTER RAILING REPAIR	NY	$6,000
		198355	09/25/2009	A	COOKE CITY RESIDENCE/OFFICE AWARD	NY	$55,000
		Full Year Authority					**$811,071**
	CMII	181965	09/29/2008	A	CMII R1 FY09 OPERATING BUDGET	NY	$35,000
		184665	12/07/2008	A	FIRE TRANSFER PAYBACK	NY	$12,000
		190378	05/21/2009	A	FY09 FINAL ALLOCATION ADJUSTMENT	NY	$6,000
		197414	09/10/2009	A	TOILET REPLACEMENT CONTRACT	NY	$17,000
		198355	09/25/2009	A	COOKE CITY RESIDENCE/OFFICE AWARD	NY	$50,000
		Full Year Authority					**$120,000**
	CMLG	185146	12/23/2008	A	WATERSHED LEGACY (HEBGEN EXCESS ROAD DECOMMISSIONING)	NY	$18,000
		185147	12/23/2008	A	WATERSHED LEGACY (SMITH CREEK EXCESS ROAD DECOMMISSIONING)	NY	$75,000
		185961	01/28/2009	A	FY08 CMLG CARRYOVER	NY	-$1,400
		190380	05/21/2009	A	FY09 FINAL ALLOCATION ADJUSTMENT	NY	$374,000
		190863	05/27/2009	A	POST FINAL CMLG OUTYEAR PLANNING, SURVEY & DESIGN	NY	$160
		190933	05/28/2009	A	REVERSE ALLOTMENT ERROR	NY	-$160
		190934	05/28/2009	A	POST-FINAL CMLG OUTYEAR PLANNING, SURVEY & DESIGN	NY	$160,000
		196223	08/19/2009	A	UPPER SHIELDS AOP ADDITIVE	NY	$36,000

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0111	CMLG	**Full Year Authority**					**$661,600**
	CMRD	181967	09/29/2008	A	CMRD R1 FY09 OPERATING BUDGET	NY	$606,000
		185962	01/28/2009	A	FY08 CMRD CARRYOVER	NY	$1,400
		190382	05/21/2009	A	FY09 FINAL ALLOCATION ADJUSTMENT	NY	-$7,500
		Full Year Authority					**$599,900**
	CMTL	181968	09/29/2008	A	CMTL R1 FY09 OPERATING BUDGET	NY	$734,000
		184668	12/07/2008	A	FIRE TRANSFER PAYBACK	NY	$276,000
		185963	01/28/2009	A	FY08 CMTL CARRYOVER	NY	$46,800
		190386	05/21/2009	A	FY09 FINAL ALLOCATION ADJUSTMENT	NY	$13,800
		191631	06/05/2009	A	FY09 CDNST FUNDS ($8.4K GEN ADMIN) ($8K LIONHEAD RELOCATION) ($65K MILE CRK FACE RELOCATION)	NY	$81,400
		Full Year Authority					**$1,152,000**
	CP09	181969	09/29/2008	A	CP09 R1 FY09 OPERATING BUDGET	NY	$191,000
		188162	03/17/2009	A	EXCESS BUILDING DISPOSAL (8 @ $4,557 EA)	NY	$36,453
		190387	05/21/2009	A	FY09 FINAL ALLOCATION ADJUSTMENT	NY	$1,447
		190529	05/21/2009	A	UCI ADJUSTMENT FROM CP09 CREDITED BACK TO UNIT (WILL BE WITHDRAWN BY WO DIRECTLY FROM UNIT)	NY	$3,600
		192859	06/23/2009	A	FINAL GYCC REMIX	NY	-$3,750
		198355	09/25/2009	A	COOKE CITY RESIDENCE/OFFICE AWARD	NY	$18,016
		Full Year Authority					**$246,766**
	CRRD	187793	03/09/2009	A	CIM-R01-1 MONTANA ROADS CONTRACT ADDITIVE (JOB CODE: CRRD01)	NY	$345,000
		187793	03/09/2009	A	CIM-R01-1 MONTANA ROADS CONTRACT ADDITIVE (JOB CODE: CRRD01)	NY	$210,000
		187794	03/09/2009	A	CIM-R01-2 SHIELDS RIVER ROAD & BRIDGES RECONSTRUCTION (JOB CODE: CRRD02)	NY	$4,000,000
		187795	03/09/2009	A	CIM-R01-3 MONTANA ROADS CONTRACT READY (JOB CODE: CRRD03)	NY	$480,000
		Full Year Authority					**$5,035,000**
	CWF2	186451	02/06/2009	A	PER UNIT REQUEST	NY	$10,000
		188157	03/17/2009	A	PER UNIT REQUEST	NY	$10,564
		189048	04/13/2009	A	PER UNIT REQUEST	NY	$9,440
		189134	04/15/2009	A	PER UNIT REQUEST	NY	$614
		Full Year Authority					**$30,618**
	CWFS	183380	10/27/2008	A	CWFS PER UNIT REQUEST (FSAA05 $7,059)(CWFSA1 $20,634)	NY	$27,693
		183645	11/04/2008	A	CWFS PER UNIT REQUEST (CWFS31 $125,000)(CWFSA6 $61,386)(CWFSA8 $2,286)	NY	$188,672
		183930	11/17/2008	A	CWFS PER UNIT REQUEST (CWFSA9)	NY	$18,130

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0111	CWFS	184383	12/01/2008	A	CWFS PER UNIT REQUEST (FSB100:$11,870)(CWFS37:$5330)(CWFS36:$22,253)	NY	$39,453
		184923	12/12/2008	A	PER UNIT REQUEST (FSA312)	NY	$11,430
		185175	12/24/2008	A	PER UNIT REQUEST	NY	$1,271
		186452	02/06/2009	A	PER UNIT REQUEST (CWFSA1 ADD-ON)	NY	$12,228
		195598	08/07/2009	A	PER UNIT REQUEST (CWFSA8)	NY	$7,293
		196609	08/25/2009	A	ADDITIONAL AUTHORITY PER UNIT REQUEST (CWFS40)	NY	$4,200
		198504	09/29/2009	A	CWFSA1 ($3968) and CWFSA7 ($5768) additional funds received	NY	$9,736
		Full Year Authority					**$320,106**
	CWKV	181970	09/29/2008	A	CWKV R1 FY09 OPERATING BUDGET	NY	$20,000
		182935	10/15/2008	A	CWKV WITHDRAW PER UNIT REQUEST	NY	-$20,000
		Full Year Authority					**$0**
	FDCL	182936	10/15/2008	A	FDCL/FDDS	NY	$20,000
		185175	12/24/2008	A	PER UNIT REQUEST	NY	$10,000
		186451	02/06/2009	A	PER UNIT REQUEST	NY	$14,000
		189040	04/13/2009	A	PER UNIT REQUEST	NY	$4,000
		189568	04/29/2009	A	PER UNIT REQUEST	NY	$4,000
		191565	06/04/2009	A	BUDGET AUTHORITY ADJUSTMENT PER UNIT REQUEST	NY	$4,000
		192538	06/17/2009	A	BUDGET AUTHORITY ADJUSTMENT PER UNIT REQUEST	NY	$4,000
		194011	07/13/2009	A	ADDITIONAL AUTHORITY PER UNIT REQUEST	NY	$8,000
		195274	07/31/2009	A	ADDITIONAL AUTHORITY PER UNIT REQUEST	NY	$8,000
		195808	08/12/2009	A	ADDITIONAL AUTHORITY PER UNIT REQUEST	NY	$4,800
		Full Year Authority					**$80,800**
	FDDS	182936	10/15/2008	A	FDCL/FDDS	NY	$230,000
		185175	12/24/2008	A	PER UNIT REQUEST	NY	$40,000
		186451	02/06/2009	A	PER UNIT REQUEST	NY	$90,000
		189040	04/13/2009	A	PER UNIT REQUEST	NY	$20,000
		189568	04/29/2009	A	PER UNIT REQUEST	NY	$19,000
		191565	06/04/2009	A	BUDGET AUTHORITY ADJUSTMENT PER UNIT REQUEST	NY	$25,000
		192538	06/17/2009	A	BUDGET AUTHORITY ADJUSTMENT PER UNIT REQUEST	NY	$18,000
		194011	07/13/2009	A	ADDITIONAL AUTHORITY PER UNIT REQUEST	NY	$44,000
		195809	08/12/2009	A	REDISTRIBUTION OF FDDS AUTHORITY	NY	$44,000
		195810	08/12/2009	A	ADDITIONAL AUTHORITY PER UNIT REQUEST	NY	$11,500
		198578	09/29/2009	A	REDISTRIBUTION OF FDDS AUTHORITY	NY	-$20,000
		Full Year Authority					**$521,500**
	FDRF	185396	01/12/2009	A	RSI:TOILETS AND BAD WATER	NY	$105,000
		185397	01/12/2009	A	RSI:REDCLIFF AND BAD WATER	NY	$19,000

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0111	FDRF	**Full Year Authority**					**$124,000**
	GBGB	185720	01/21/2009	A	PER UNIT REQUEST (D3 OTO)	NY	$8,500
		185785	01/22/2009	A	PER UNIT REQUEST (D7 VIS DONATIONS)	NY	$3,735
		Full Year Authority					**$12,235**
	HTAE	185826	01/23/2009	A	FY09 FOREST HIGHWAY ADMINISTRATION (HTAE) FUNDING	NY	$8,000
		Full Year Authority					**$8,000**
	HTAP	186567	02/10/2009	A	FY09 AQUATIC PASSAGE:BENNETT CREEK ROAD 844-8.23 (APCF18)	NY	$61,000
		186568	02/10/2009	A	FY09 AQUATIC PASSAGE:SMITH CREEK ROAD 991-5.20 (APDF18)	NY	$150,000
		186662	02/11/2009	A	FY09 AQUATIC PASSAGE:TRAPPER CREEK (APIF18)	NY	$100,000
		196222	08/19/2009	A	BENNETT CREEK AOP PROJECT (ADDITIVE ITEMS)	NY	$34,000
		Full Year Authority					**$345,000**
	HTRP	192857	06/23/2009	A	"TRANSIT IN THE PARKS" STUDY (RPAF16)	NY	$5,000
		Full Year Authority					**$5,000**
	LALW	181972	09/29/2008	A	LALW R1 FY09 OPERATING BUDGET	NY	$99,000
		190396	05/21/2009	A	FY09 FINAL ALLOCATION ADJUSTMENT	NY	-$37,000
		Full Year Authority					**$62,000**
	NFIM	181973	09/29/2008	A	NFIM R1 FY09 OPERATING BUDGET	NY	$414,000
		184725	12/08/2008	A	RIM ASC - CUTTHROAT (SCOTT BARNDT)	NY	$5,000
		186433	02/06/2009	A	FY08 NFNF CARRYOVER	NY	$4,400
		187288	03/02/2009	A	RIM:WINTER CARNIVORE SURVEYS-GARDINER DISTRICT (DAN TYERS)	NY	$5,000
		190397	05/21/2009	A	FY09 FINAL ALLOCATION ADJUSTMENT	NY	$37,800
		193072	06/24/2009	A	RIM - LEGACY DATA & GIS MIGRATION TO DATA CENTER	NY	$5,400
		Full Year Authority					**$471,600**
	NFLM	181974	09/29/2008	A	NFLM R1 FY09 OPERATING BUDGET	NY	$347,000
		184670	12/07/2008	A	FIRE TRANSFER PAYBACK	NY	$5,000
		186434	02/06/2009	A	FY08 NFNF CARRYOVER	NY	-$3,200
		190402	05/21/2009	A	FY09 FINAL ALLOCATION ADJUSTMENT	NY	$35,300
		192859	06/23/2009	A	FINAL GYCC REMIX	NY	-$5,000
		Full Year Authority					**$379,100**
	NFMG	181976	09/29/2008	A	NFMG R1 FY09 OPERATING BUDGET	NY	$252,600
		183865	11/14/2008	A	NFMG FY09 AML FUNDING (PROJECT WORK)	NY	$90,000
		190411	05/21/2009	A	FY09 FINAL ALLOCATION ADJUSTMENT	NY	$31,400
		197240	09/08/2009	A	GEO-HYDROLOGICAL AND GEO-TECHNICAL INVESTIGATION WORK AT BEAL	NY	-$16,206

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0111	NFMG	**Full Year Authority**					**$357,794**
	NFN3	184672	12/07/2008	A	FIRE TRANSFER PAYBACK	NY	$45,000
		186446	02/06/2009	A	NFN3 NATIVE PLANT FUNDING:FIRE REVEGETATION	NY	$86,350
		186447	02/06/2009	A	NFN3 NATIVE PLANT FUNDING:NATIVE VEGETATION	NY	$120,000
		187563	03/05/2009	A	WINTER RANGE RESTORATION REHABILITATION OF BURNED AREAS:SEED TRANSFER ZONE WORK	NY	$4,300
		190415	05/21/2009	A	FY09 FINAL ALLOCATION ADJUSTMENT	NY	$32,000
		Full Year Authority					**$287,650**
	NFPN	181977	09/29/2008	A	NFPN R1 FY09 OPERATING BUDGET	NY	$124,000
		Full Year Authority					**$124,000**
	NFRG	181979	09/29/2008	A	NFRG R1 FY09 OPERATING BUDGET	NY	$324,400
		184674	12/07/2008	A	FIRE TRANSFER PAYBACK	NY	$37,000
		186438	02/06/2009	A	FY08 NFNF CARRYOVER	NY	$5,100
		190417	05/21/2009	A	FY09 FINAL ALLOCATION ADJUSTMENT	NY	$36,000
		192859	06/23/2009	A	FINAL GYCC REMIX	NY	-$1,900
		Full Year Authority					**$400,600**
	NFRW	181980	09/29/2008	A	NFRW R1 FY09 OPERATING BUDGET	NY	$1,290,000
		184675	12/07/2008	A	FIRE TRANSFER PAYBACK	NY	$47,000
		186439	02/06/2009	A	FY08 NFNF CARRYOVER	NY	-$47,000
		190418	05/21/2009	A	FY09 FINAL ALLOCATION ADJUSTMENT	NY	$16,900
		191488	06/04/2009	A	REGION 4 TRANSFER OF FY09 SURPLUS GYCC FUNDS	NY	$11,650
		191969	06/09/2009	A	MWSI TRAINEE BUDGET ADJUSTMENTS	NY	-$18,000
		Full Year Authority					**$1,300,550**
	NFTM	181981	09/29/2008	A	NFTM R1 FY09 OPERATING BUDGET	NY	$464,100
		186440	02/06/2009	A	FY08 NFNF CARRYOVER	NY	$3,200
		190472	05/21/2009	A	FY09 FINAL ALLOCATION ADJUSTMENT	NY	$44,000
		Full Year Authority					**$511,300**
	NFVW	181982	09/29/2008	A	NFVW R1 FY09 OPERATING BUDGET	NY	$726,300
		186441	02/06/2009	A	FY08 NFNF CARRYOVER	NY	$29,500
		190473	05/21/2009	A	FY09 FINAL ALLOCATION ADJUSTMENT	NY	$87,100
		191488	06/04/2009	A	REGION 4 TRANSFER OF FY09 SURPLUS GYCC FUNDS	NY	$18,050
		192860	06/23/2009	A	FINAL GYCC REMIX	NY	$10,650
		193072	06/24/2009	A	RIM - LEGACY DATA & GIS MIGRATION TO DATA CENTER	NY	$5,400
		194811	07/24/2009	A	FY09 INSTREAM FLOW APPLICATIONS (2 WETTED PERIMETER SITES - 2 STREAMS)	NY	$4,000
		Full Year Authority					**$881,000**

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0111	NFWF	181983	09/29/2008	A	NFWF R1 FY09 OPERATING BUDGET	NY	$779,000
		184677	12/07/2008	A	FIRE TRANSFER PAYBACK	NY	$34,000
		185824	01/23/2009	A	SUPPORT GARDINER TRAIL MONITORING WORK	NY	$5,000
		186442	02/06/2009	A	FY08 NFNF CARRYOVER	NY	$32,800
		190476	05/21/2009	A	FY09 FINAL ALLOCATION ADJUSTMENT	NY	$104,700
		191220	06/02/2009	A	CORRECTION TO FY09 FINAL ALLOTMENT: GARDINER TRAIL MONITORING NOT INCLUDED ON FINAL PBA SPREADSHEET (ALLOTTED 01/23/09)	NY	$5,000
		191968	06/09/2009	A	MWSI TRAINEE BUDGET ADJUSTMENTS	NY	$9,000
		193218	06/26/2009	A	FOREST SERVICE SHARE FY09 SIKES ACT PROJECTS (ABSAROKA BEARTOOTH WILDERNESS WEED CONTROL/KIMBERLY SCHLENKER)	NY	$4,200
		194806	07/24/2009	A	FISH PASSAGE WORK (SWIM STUDY)	NY	$15,000
		196811	08/28/2009	A	YELLOWSTONE GRIZZLY BEAR CONSERVATION STRATEGY AND FOREST PLAN AMENDMENTS	NY	$115,000
		Full Year Authority					**$1,103,700**
	QMQM	185051	12/17/2008	A	PER UNIT REQUEST	NY	$10,000
		186451	02/06/2009	A	PER UNIT REQUEST	NY	$10,000
		191751	06/05/2009	A	BUDGET AUTHORITY PER UNIT REQUEST	NY	$15,000
		196035	08/17/2009	A	ADDITIONAL AUTHORITY PER UNIT REQUEST	NY	$10,000
		Full Year Authority					**$45,000**
	RBRB	185964	01/28/2009	A	FY08 RBRB CARRYOVER	NY	$25,700
		190969	05/28/2009	A	FY09 RBRB DISTRIBUTION (PNF 0259)	NY	$11,000
		Full Year Authority					**$36,700**
	RTRT	188872	04/03/2009	A	REFORESTATION (SITE PREP & PLANT)	NY	$50,000
		Full Year Authority					**$50,000**
	SPFH	185506	01/14/2009	A	R1 SPSP FIRE REPAYMENT PROJECT:CABIN CREEK CG THINNING	NY	$9,100
		185507	01/14/2009	A	R1 SPSP FIRE REPAYMENT PROJECT:HEBGEN LAKE BIOMASS PROJECT	NY	$20,000
		188541	03/27/2009	A	R1 WESTERN BARK BEETLE PROJECTS:HEBGEN LAKE CAMPGROUND THINNING - MTN PINE BEETLE (50 ACRES)	NY	$27,400
		188542	03/27/2009	A	R1 WESTERN BARK BEETLE PROJECTS:VERBENONE - MTN PINE BEETLE (85 ACRES)	NY	$15,100
		188543	03/27/2009	A	R1 WESTERN BARK BEETLE PROJECTS:CARBARYL - MTN PINE BEETLE (40 ACRES)	NY	$32,600
		191728	06/05/2009	A	WBK GYE INCIDENCE OF RUST & BEETLE INFECTION (CONTACT - DAN TYERS)	NY	$7,500
		193146	06/25/2009	A	WHITEBARK PINE PROJECT FUNDS: GYA PERM PLOT ANALYSIS	NY	$7,500

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0111	SPFH				(CONTACT: DAN TYERS)		
		Full Year Authority					**$119,200**
	SPS4	188574	03/27/2009	A	R1 WESTERN BARK BEETLE PROJECTS:HEBGEN LAKE THINNING - MTN PINE BEETLE (25 ACRES)	NY	$3,300
		188580	03/27/2009	A	R1 WESTERN BARK BEETLE PROJECTS:MCH - DOUG-FIR BEETLE (220 ACRES)	NY	$13,900
		191674	06/05/2009	A	WBB: R1-09-MT-O-GAL08 GALLATIN MONITORING WBP RESTORATION HARVEST & PLANTING SUCCESS (PROJ A-5) (CONTACT - JODIE CANFIELD)	NY	$3,000
		191692	06/05/2009	A	WBB: R1-09-MT-O-GYE02 GALLATIN R1/R4 ASSESSING WBKP HEALTH IN GYE (PROJ A-2 & A-7) (CONTACTS - JODIE CANFIELD/VIRGINIA KELLY)	NY	$25,000
		Full Year Authority					**$45,200**
	SSSS	181985	09/29/2008	A	SSSS R1 FY09 OPERATING BUDGET	NY	$100,000
		188232	03/18/2009	A	WITHDRAW PER UNIT REQUEST	NY	-$20,000
		190533	05/21/2009	A	FY09 FINAL ALLOCATION ADJUSTMENT	NY	-$44,000
		Full Year Authority					**$36,000**
	URCP	186451	02/06/2009	A	PER UNIT REQUEST	NY	$1,000
		186793	02/13/2009	A	PER UNIT REQUEST	NY	$1,300
		Full Year Authority					**$2,300**
	URFF	186451	02/06/2009	A	PER UNIT REQUEST	NY	$500
		Full Year Authority					**$500**
	URFM	186451	02/06/2009	A	PER UNIT REQUEST	NY	$1,000
		186793	02/13/2009	A	PER UNIT REQUEST	NY	$5,900
		188157	03/17/2009	A	PER UNIT REQUEST	NY	$1,250
		Full Year Authority					**$8,150**
	URMJ	184276	11/26/2008	A	URMJ PER UNIT REQUEST (MJ8802)	NY	$3,141
		198507	09/29/2009	A	COST RECOVERY LANDS MAJOR PROJECTS AUTHORITY	NY	$646
		Full Year Authority					**$3,787**
	WFHF	181987	09/29/2008	A	WFHF R1 FY09 OPERATING BUDGET	NY	$986,000
		190483	05/21/2009	A	FY09 FINAL ALLOCATION ADJUSTMENT	NY	$334,600
		195044	07/29/2009	A	FUELS FUNDING/TARGET ADJUSTMENT (306 ACRES FP FUELS ALL) TO BITTERROOT	NY	-$323,000
		Full Year Authority					**$997,600**
	WFPR	181988	09/29/2008	A	WFPR R1 FY09 OPERATING BUDGET	NY	$2,873,200
		189602	05/27/2009	A	UNIT TUITION ADJUSTMENT FOR FY09 FIRE APPRENTICESHIP ACADEMY (JUSTIN BOGERT - AA)	NY	-$2,750
		190485	05/21/2009	A	FY09 FINAL ALLOCATION ADJUSTMENT	NY	$202,400

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0111	WFPR	**Full Year Authority**					**$3,072,850**
	WFW3	184678	12/07/2008	A	REHAB AND RESTORATION	NY	$967,500
		185796	01/22/2009	A	SYSTEM TRAIL MAINTENANCE (124 MILES)	NY	$219,000
		188170	03/17/2009	A	REHAB & RESTORATION - WEED TREATMENTS (150 ACRES)	NY	$15,000
		Full Year Authority					**$1,201,500**
	Unit Authority						**$21,574,802**
Total Authority							**$21,574,802**

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0111	BDBD	195918	08/13/2009	A	R1 FY10 OPERATING BUDGET	NY	$10,500
		211706	06/14/2010	A	Reduce budget authority in line with planned needs (expenditures) for 2010.	NY	-$7,500
		Full Year Authority					**$3,000**
	CMFC	195917	08/13/2009	A	R1 FY10 OPERATING BUDGET	NY	$241,000
		204226	01/29/2010	A	FY10 FINAL BUDGET ADJUSTMENT	NY	$35,000
		204339	02/02/2010	A	COOKE CITY CONTRACT ADMINISTRATION	NY	$24,000
		208561	04/07/2010	A	CMFC CARRYOVER (RCIP HYALITE PARTNERS & ACCESS)	NY	$5,000
		214798	07/23/2010	A	ADDITIONAL HEBGEN RESERVOIR BOAT LAUNCH (POC JANE RUCHMAN)	NY	$14,000
		214821	07/24/2010	A	4TH QTR TRAINEE FUNDING ADJUSTMENTS ($2,000 NFRG - SHERRI RENCK) ($2,000 CMFC - JULIE BARTON)	NY	$2,000
		Full Year Authority					**$321,000**
	CMII	195919	08/13/2009	A	R1 FY10 OPERATING BUDGET	NY	$41,000
		204227	01/29/2010	A	FY10 FINAL BUDGET ADJUSTMENT	NY	-$1,000
		Full Year Authority					**$40,000**
	CMLG	195920	08/13/2009	A	R1 FY10 OPERATING BUDGET	NY	$197,000
		204228	01/29/2010	A	FY10 FINAL BUDGET ADJUSTMENT	NY	$1,511,000
		215676	07/27/2010	A	TAYLOR FORK CIP	NY	$60,000
		217785	08/05/2010	A	TIMBER CREEK FLOOD REPAIR	NY	$35,000
		Full Year Authority					**$1,803,000**
	CMRD	195921	08/13/2009	A	R1 FY10 OPERATING BUDGET	NY	$720,000
		204232	01/29/2010	A	FY10 FINAL BUDGET ADJUSTMENT (INCLUDES FY09 C/O - BARK BEETLE)	NY	$186,000
		210031	05/04/2010	A	FY10 OWCP ASSESSMENT	NY	-$7,300
		215676	07/27/2010	A	TAYLOR FORK CIP	NY	$60,000
		217747	08/05/2010	A	COOKE CITY ROAD MODIFICATIONS	NY	$17,000
		Full Year Authority					**$975,700**
	CMTL	195922	08/13/2009	A	R1 FY10 OPERATING BUDGET	NY	$739,000
		204233	01/29/2010	A	FY10 FINAL BUDGET ADJUSTMENT	NY	$8,000
		205162	02/12/2010	A	CONTINENTAL DIVIDE TRAIL FY10 DISTRIBUTION (INCLUDES $102,000 FOR LIONHEAD RELOCATION PROJECT)	NY	$107,000
		209942	05/04/2010	A	FY10 UCI ASSESSMENT	NY	-$5,900
		210033	05/04/2010	A	FY10 OWCP ASSESSMENT	NY	-$121,600
		211421	06/07/2010	A	FY2010 MIDYEAR FUNDING	NY	$119,000
		219178	08/11/2010	A	REDISTRIBUTION OF CMTL AUTHORITY	NY	$30,000
		220723	08/19/2010	A	REDISTRIBUTION OF CMTL AUTHORITY (NO TARGETS TRANSFERRED)	NY	$20,000
		Full Year Authority					**$895,500**
	CP09	195923	08/13/2009	A	R1 FY10 OPERATING BUDGET	NY	$188,000

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0111	CP09	204234	01/29/2010	A	FY10 FINAL BUDGET ADJUSTMENT	NY	$127,500
		214816	07/23/2010	A	COOKE CITY PROJECT CHANGE ORDERS	NY	$33,500
		Full Year Authority					**$349,000**
	CRRD	202036	11/20/2009	A	CIM-R01-1 MONTANA ROADS RESTORATION PROJECT 1 (09/30/09 CARRYOVER BALANCE)	NY	$30,147
		202037	11/20/2009	A	CIM-R01-2 SHIELDS RIVER ROAD & BRIDGES RECONSTRUCTION (09/30/09 CARRYOVER BALANCE)	NY	$730,724
		202038	11/20/2009	A	CIM-R01-3 MONTANA ROADS RESTORATION PROJECT 2 (09/30/09 CARRYOVER BALANCE)	NY	$1,934
		204572	02/05/2010	A	CIM-R01-2 SAVINGS	NY	-$103,500
		208331	04/05/2010	A	WITHDRAW EXCESS ARRA PROJECT FUNDING (CIM-R01-2 - SHIELDS RIVER ROAD = $19,244) (CIM-R01-3 - HYALITE GUARDRAIL CCRD03 = $520)	NY	-$19,764
		211378	06/04/2010	A	WITHDRAW CRRD FUNDING FROM CIM-R01-1	NY	-$19,513
		211992	06/17/2010	A	SMITH CREEK ARRA PROJECT CIM-R01-01 (CRRRD01) (FINAL CONTRACT COSTS)	NY	$759
		217876	08/05/2010	A	ADDITIONAL ARRA (CIM-R01-2)	NY	$43,680
		219176	08/11/2010	A	ADDITIONAL ARRA - CIM-R01-2	NY	$227,000
		221863	08/26/2010	A	CIM-0111-R01-02 (UPPER SHIELDS ADDED SURFACING - MOD 4)	NY	$230,000
		221864	08/26/2010	A	CIM-0111-R01-02 (SURVEY & INSPECTION OF UPPER SHIELDS ADDED SURFACING - MOD 1)	NY	$30,000
		225541	09/16/2010	A	ARRA CLEANUP ADJUSTMENTS	NY	-$336
		Full Year Authority					**$1,151,131**
	CWF2	206267	03/01/2010	A	FSRM01 $22,000 FSCW81 $20,000	NY	$42,000
		208938	04/15/2010	A	Need to spend some of our Surface Replacement Deposits on road work (FSSR0110)	NY	$7,612
		Full Year Authority					**$49,612**
	CWFS	199067	10/08/2009	A	CWFS01 $100,000 CWFS30 $8579	NY	$108,579
		200945	10/27/2009	A	CWFS37	NY	$2,932
		201533	11/10/2009	A	CWFSA9	NY	$18,130
		201655	11/18/2009	A	CWFSA6	NY	$58,917
		202279	12/07/2009	A	CWFS36 - Snowy Range Ranch Survey	NY	$20,466
		202332	12/07/2009	A	FSB100 Budget Authority Needed	NY	$6,783
		202748	01/05/2010	A	CWFS40 ($37) and CWFSA7 ($3016)	NY	$3,053
		202863	01/08/2010	A	CWFSA1 project	NY	$3,943
		205243	02/17/2010	A	Agreement FSL512	NY	$88,996
		206533	03/04/2010	A	Add'l request for FSL512 per J.Canfield	NY	$16,976
		209549	04/26/2010	A	CWFSA7 add'l money collected	NY	$15,209
		210138	05/05/2010	A	CWFSA1 add'l $1700, CWFSA9 add'l $28,000	NY	$29,700
		210486	05/13/2010	A	CWFSA8	NY	$7,421
		210722	06/28/2010	A	CWFS19 Stillwater Mining Co	NY	$9,575

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0111	CWFS	212326	06/28/2010	A	Reduce CWFS budget authority due to PP19 adj (CWFSA7)	NY	-$1,190
		217596	08/10/2010	A	CWFS40 Additional	NY	$14,100
		Full Year Authority					**$403,590**
	CWKV	195924	08/13/2009	A	R1 FY10 OPERATING BUDGET	NY	$80,000
		201071	10/29/2009	A	Request Adjustment to KV Budget Authority	NY	-$46,900
		207214	03/16/2010	A	Some KV Weed Treatments delayed until FY 2011.	NY	-$3,500
		217599	08/10/2010	A	To reduce KV budget authority - elimination of project from program of work for FY 2010	NY	-$15,000
		Full Year Authority					**$14,600**
	FDDS	201064	10/29/2009	A	Request for FDDS budget authority	NY	$100,000
		202811	01/08/2010	A	Projected Needs.....add'l cash collected	NY	$94,000
		206269	03/01/2010	A	Additional FDDS request	NY	$41,000
		208197	04/02/2010	A	Add'l FDDS authority request	NY	$32,000
		209087	04/19/2010	A	Add'l Needs	NY	$4,320
		209546	04/26/2010	A	Add'l Authority Requested due to cash collections	NY	$25,000
		210102	05/05/2010	A	FY10 UCI ASSESSMENT	NY	-$11,800
		211292	06/02/2010	A	Additional Authority needed	NY	$38,000
		212758	07/17/2010	A	Add'l budget authority based on CBSA	NY	$40,000
		217600	08/10/2010	A	Request for additional FDDS - more collections available per CBSA	NY	$76,000
		220423	08/18/2010	A	Additional Authority requested per recent collections	NY	$42,000
		223156	09/10/2010	A	Final request for FY10 FDDS Budget Authority	NY	$18,743
		226902	09/23/2010	A	REDISTRIBUTION OF AUTHORITY	NY	-$30,000
		Full Year Authority					**$469,263**
	FDRF	195925	08/13/2009	A	R1 FY10 OPERATING BUDGET	NY	$522,000
		198964	10/05/2009	A	FY09 CARRYOVER AUTHORITY	NY	$25,300
		Full Year Authority					**$547,300**
	GBGB	206306	03/01/2010	A	GBGIFT $2000 D3, $4829 D7 VIS	NY	$6,829
		208974	04/15/2010	A	Need to use deposited GBGIFT funds for agreement	NY	$2,530
		Full Year Authority					**$9,359**
	GRGG	222519	09/02/2010	A	Requesting Budget Authority for amount on CBSA	NY	$35
		Full Year Authority					**$35**
	HTAE	203898	01/26/2010	A	FY10 FINAL BUDGET ADJUSTMENT	NY	$9,800
		Full Year Authority					**$9,800**
	HTRP	210733	05/19/2010	A	FY10 HTRP TRIP (TRANSIT IN THE PARKS) PROJECT - GALLATIN NF HWY 86 ALTERNATIVE TRANSPORTATION STUDY	NY	$5,000

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0111	HTRP	**Full Year Authority**					**$5,000**
	LALW	195926	08/13/2009	A	R1 FY10 OPERATING BUDGET	NY	$329,000
		202656	12/23/2009	A	LOAN TO 0198 (TO BE ADJUSTED WITH FY10 FINAL BUDGET)	NY	-$122,010
		204101	01/28/2010	A	FY10 FINAL BUDGET ADJUSTMENT	NY	$62,000
		204310	02/01/2010	A	FY10 FINAL BUDGET ADJUSTMENT	NY	$62,000
		204312	02/01/2010	A	REVERSE CONTROL #204310	NY	-$62,000
		Full Year Authority					**$268,990**
	NFIM	195927	08/13/2009	A	R1 FY10 OPERATING BUDGET	NY	$375,000
		203899	01/26/2010	A	FY10 FINAL BUDGET ADJUSTMENT	NY	$18,000
		Full Year Authority					**$393,000**
	NFLM	195928	08/13/2009	A	R1 FY10 OPERATING BUDGET	NY	$995,700
		203900	01/26/2010	A	FY10 FINAL BUDGET ADJUSTMENT	NY	$72,000
		204001	01/27/2010	A	FY10 FINAL BUDGET ADJUSTMENT (BARK BEETLE AND LANDS PROJECTS)	NY	$275,000
		210038	05/04/2010	A	FY10 OWCP ASSESSMENT	NY	-$3,700
		210705	05/18/2010	A	REIMBURSE UCI CHARGES	NY	-$2,954
		211428	06/07/2010	A	FY2010 MIDYEAR FUNDING	NY	$2,000
		Full Year Authority					**$1,338,046**
	NFMG	195929	08/13/2009	A	R1 FY10 OPERATING BUDGET	NY	$374,000
		Full Year Authority					**$374,000**
	NFN3	195930	08/13/2009	A	R1 FY10 OPERATING BUDGET	NY	$0
		203902	01/26/2010	A	FY10 FINAL BUDGET ADJUSTMENT	NY	$97,000
		211097	05/27/2010	A	NATIVE PLANT/POLLINATOR GARDEN PROJECTS	NY	$4,500
		Full Year Authority					**$101,500**
	NFPN	195932	08/13/2009	A	R1 FY10 OPERATING BUDGET	NY	$120,000
		203903	01/26/2010	A	FY10 FINAL BUDGET ADJUSTMENT	NY	-$63,500
		Full Year Authority					**$56,500**
	NFRG	195933	08/13/2009	A	R1 FY10 OPERATING BUDGET	NY	$321,000
		203904	01/26/2010	A	FY10 FINAL BUDGET ADJUSTMENT	NY	-$8,700
		210039	05/04/2010	A	FY10 OWCP ASSESSMENT	NY	-$1,800
		211430	06/07/2010	A	FY2010 MIDYEAR FUNDING	NY	$55,000
		214821	07/24/2010	A	4TH QTR TRAINEE FUNDING ADJUSTMENTS ($2,000 NFRG - SHERRI RENCK) ($2,000 CMFC - JULIE BARTON)	NY	$2,000
		Full Year Authority					**$367,500**
	NFRW	195934	08/13/2009	A	R1 FY10 OPERATING BUDGET	NY	$1,418,000
		204111	01/28/2010	A	FY10 FINAL BUDGET ADJUSTMENT	NY	-$65,000
		209952	05/04/2010	A	FY10 UCI ASSESSMENT	NY	-$35,400
		210047	05/04/2010	A	FY10 OWCP ASSESSMENT	NY	-$33,000

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0111	NFRW	211431	06/07/2010	A	FY2010 MIDYEAR FUNDING	NY	$38,000
		Full Year Authority					**$1,322,600**
	NFTM	195935	08/13/2009	A	R1 FY10 OPERATING BUDGET	NY	$526,700
		223002	09/02/2010	A	NFTM/NFVW BARTER	NY	-$28,000
		Full Year Authority					**$498,700**
	NFVW	195936	08/13/2009	A	R1 FY10 OPERATING BUDGET	NY	$710,800
		204146	01/28/2010	A	FY10 FINAL BUDGET ADJUSTMENT	NY	$6,900
		204309	02/02/2010	A	McNamara Trainee Costs	NY	$4,000
		209048	04/16/2010	A	WATERSHED VULNERABILITY ASSESSMENT PROTOCOL	NY	$4,000
		209956	05/04/2010	A	FY10 UCI ASSESSMENT	NY	-$3,000
		211098	05/27/2010	A	WETTED P FUNDING	NY	$5,000
		223017	09/02/2010	A	NFTM/NFVW BARTER	NY	$28,000
		Full Year Authority					**$755,700**
	NFWF	195937	08/13/2009	A	R1 FY10 OPERATING BUDGET	NY	$822,500
		204155	01/28/2010	A	FY10 FINAL BUDGET ADJUSTMENT	NY	$148,900
		205750	02/22/2010	A	GRIZZLY BEAR HABITAT COORDINATOR POSITION	NY	$35,000
		211381	06/04/2010	A	"MONTANA SIKES ACT" FY10 APPROVED PROJECTS	NY	$14,100
		211434	06/07/2010	A	FY2010 MIDYEAR FUNDING	NY	$27,000
		Full Year Authority					**$1,047,500**
	QMQM	206268	03/01/2010	A	QMQM Request for FY10	NY	$62,000
		219078	08/11/2010	A	REDISTRIBUTION OF QMQM AUTHORITY	NY	$15,000
		Full Year Authority					**$77,000**
	RBRB	206038	02/24/2010	A	FY10 RBRB DISTRIBUTION	NY	$11,000
		206039	02/24/2010	A	FY09 RBRB CARRYOVER	NY	$6,244
		Full Year Authority					**$17,244**
	RTRT	195938	08/13/2009	A	R1 FY10 OPERATING BUDGET	NY	$0
		204313	02/01/2010	A	FY10 FINAL BUDGET ADJUSTMENT	NY	$40,000
		Full Year Authority					**$40,000**
	SPFH	204314	02/01/2010	A	FY10 FINAL BUDGET ADJUSTMENT	NY	$15,100
		207539	03/22/2010	A	R1-Plus tree cone collection $6,850 (M.Mahalovich); GYCC Resurvey permanent plots $2,000 (Contact: Jodie Canfield)	NY	$8,850
		Full Year Authority					**$23,950**
	SPS4	204316	02/01/2010	A	FY10 FINAL BUDGET ADJUSTMENT	NY	$113,000
		212908	07/17/2010	A	Western Spruce Bug Worm Spraying-Bozeman Dist (Contact: Fred haas)	NY	$15,000
		Full Year Authority					**$128,000**
	SRS2	206489	03/04/2010	A	FY10 GALLATIN RAC (GALLATIN COUNTY)	NY	$82,177

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0111	SRS2	206846	03/09/2010	A	FY09 SRS2 CARRYOVER TO GALLATIN AND MISSOULA RACS	NY	$94,850
		Full Year Authority					**$177,027**
	SSSS	195939	08/13/2009	A	R1 FY10 OPERATING BUDGET	NY	$100,000
		Full Year Authority					**$100,000**
	URCP	208196	04/02/2010	A	URxx funds budget authority needed	NY	$2,800
		Full Year Authority					**$2,800**
	URFF	208196	04/02/2010	A	URxx funds budget authority needed	NY	$1,000
		Full Year Authority					**$1,000**
	URFM	208196	04/02/2010	A	URxx funds budget authority needed	NY	$8,500
		Full Year Authority					**$8,500**
	URMJ	202543	12/16/2009	A	MJ8802 COST RECOVERY MAJOR - NORTHWESTERN ENERGY	NY	$3,600
		208264	04/02/2010	A	ADDITIONAL AUTHORITY PER UNIT REQUEST	NY	$46,822
		Full Year Authority					**$50,422**
	URMN	212060	06/18/2010	A	Need Budget Authority for salary	NY	$3,720
		Full Year Authority					**$3,720**
	WFHF	195947	08/14/2009	A	R1 FY10 OPERATING BUDGET	NY	$1,388,000
		204434	02/03/2010	A	FY10 FINAL BUDGET ADJUSTMENT	NY	$170,000
		210065	05/04/2010	A	FY10 OWCP ASSESSMENT	NY	-$1,200
		210707	05/18/2010	A	WITHDRAW BUDGET AUTHORITY AND 800 ACRES TARGET FOR TRANSFER TO R8	NY	-$40,000
		211436	06/07/2010	A	FY2010 MIDYEAR FUNDING	NY	-$40,000
		211477	06/08/2010	A	REVERSE CONTROL #211436 (DUPLICATE WITHDRAWAL)	NY	$40,000
		222097	08/30/2010	A	Not needed for BMW Fuels Reduction Project	NY	-$350,000
		Full Year Authority					**$1,166,800**
	WFPR	195948	08/14/2009	A	R1 FY10 OPERATING BUDGET	NY	$3,203,300
		204436	02/03/2010	A	FY10 FINAL BUDGET ADJUSTMENT	NY	-$75,800
		204582	02/05/2010	A	ADDITIONAL FY10 WFPR	NY	$57,000
		209959	05/04/2010	A	FY10 UCI ASSESSMENT	NY	-$135,900
		210059	05/04/2010	A	FY10 OWCP ASSESSMENT	NY	-$500
		211437	06/07/2010	A	FY2010 MIDYEAR FUNDING	NY	$18,000
		211920	06/16/2010	A	FUNDING FOR ENGINE REPLACEMENTS	NY	$50,000
		Full Year Authority					**$3,116,100**
	WFW3	204437	02/03/2010	A	FY10 FINAL BUDGET ADJUSTMENT	NY	$156,700
		Full Year Authority					**$156,700**
	Unit Authority						**$18,640,189**

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Total Authority							$18,640,189

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0111	CMFC	230121	11/04/2010	A	R1 FY11 OPERATING BUDGET	NY	$115,000
		235533	02/02/2011	A	FY10 CARRYOVER	NY	$11,964
		239002	03/03/2011	A	FY11 OPERATING BUDGET ADDENDUM	NY	$25,000
		255389	06/03/2011	A	FY11 FINAL BUDGET ADJUSTMENT	NY	$183,000
		Full Year Authority					**$334,964**
	CMII	235534	02/02/2011	A	FY10 CARRYOVER	NY	$28,810
		255380	06/03/2011	A	FY11 FINAL BUDGET ADJUSTMENT	NY	$150,000
		Full Year Authority					**$178,810**
	CMLG	230122	11/04/2010	A	R1 FY11 OPERATING BUDGET	NY	$468,000
		235535	02/02/2011	A	FY10 CARRYOVER	NY	$49,755
		255392	06/03/2011	A	FY11 FINAL BUDGET ADJUSTMENT	NY	-$102,000
		272393	07/28/2011	A	FY11 UCI ASSESSMENT	NY	-$11,516
		284734	08/29/2011	A	HYALITE CANYON STABILIZATION PROJECT	NY	$60,000
		293134	09/20/2011	A	ADDITIONAL BEEHIVE AOP CONTRACT FUNDING	NY	$23,000
		Full Year Authority					**$487,239**
	CMRD	230123	11/04/2010	A	R1 FY11 OPERATING BUDGET	NY	$786,500
		235536	02/02/2011	A	FY10 CARRYOVER	NY	$12,285
		239057	03/04/2011	A	FY11 OPERATING BUDGET ADDENDUM	NY	$265,000
		255376	06/03/2011	A	FY11 FINAL BUDGET ADJUSTMENT	NY	-$8,800
		257167	06/09/2011	A	FLOOD DAMAGE FUNDING (IMMEDIATE/CRITICAL REPAIRS)	NY	$5,000
		257888	06/13/2011	A	INCREASE FLOOD DAMAGE FUNDING (IMMEDIATE/CRITICAL REPAIRS)	NY	$35,000
		263097	07/05/2011	B	OWCP BARTER	NY	$5,800
		264594	07/08/2011	A	ADDITIONAL FLOOD DAMAGE FUNDING	NY	$165,000
		275190	08/04/2011	A	REDISTRIBUTION OF FY11 CMRD AUTHORITY	NY	-$90,000
		284734	08/29/2011	A	HYALITE CANYON STABILIZATION PROJECT	NY	$222,000
		Full Year Authority					**$1,397,785**
	CMTL	230124	11/04/2010	A	R1 FY11 OPERATING BUDGET	NY	$736,500
		235537	02/02/2011	A	FY10 CARRYOVER	NY	$2,936
		239058	03/04/2011	A	FY11 OPERATING BUDGET ADDENDUM	NY	$2,000
		240162	03/09/2011	A	FY11 OPERATING BUDGET ADDENDUM (ADJUST DUPLICATE R1 TRAINEE FUNDING ALLOTMENT)	NY	-$2,000
		255382	06/03/2011	A	FY11 FINAL BUDGET ADJUSTMENT	NY	$109,100
		272434	07/28/2011	A	FY11 UCI ASSESSMENT	NY	-$11,516
		280493	08/18/2011	A	FLOOD DAMAGE REPAIR FUNDING	NY	$20,000
		Full Year Authority					**$857,020**
	CP09	230125	11/04/2010	A	R1 FY11 OPERATING BUDGET	NY	$193,000
		255426	06/03/2011	A	FY11 FINAL BUDGET ADJUSTMENT	NY	$1,000
		280213	08/17/2011	A	HONEYWELL CONTINGENCY FUNDS	NY	$4,500

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0111	CP09				(BLDG 2201 - REPLACE EXISTING 10' X 10' O/H DOOR)		
		280533	08/18/2011	A	REVERSE CONTROL #280213 (FUNDING NOT NEEDED)	NY	-$4,500
		Full Year Authority					**$194,000**
	CWF2	232740	12/29/2010	A	CWF2 Request: F2CW86 $1710, PLTREE $232	NY	$1,942
		232880	01/03/2011	A	ADDITIONAL BUDGET AUTHORITY (FSRM01 - CULVERT INSTALLATION ON TIMBER SALE)	NY	$776
		241863	03/17/2011	A	Need additional authority to fund some contract work with collected Rd Mtce funds	NY	$45,500
		248166	04/14/2011	A	Need Budget Auth for FSCW81 - money is in CWF2	NY	$20,000
		279113	08/18/2011	A	Additional Collection of $130,000- Beehive Rd Use Agreement	NY	$130,000
		Full Year Authority					**$198,218**
	CWFS	229100	12/03/2010	A	CWFS30	NY	$10,682
		230480	12/03/2010	A	Budget Auth Sikes Act CWFS40 ($8999.06) FSAA05 ($149.94)	NY	$9,149
		232722	12/29/2010	A	Budget Authority for CWFSA9 $1955	NY	$1,955
		233460	01/12/2011	A	CWFSA1 Hebgen Basin Fry Habitat	NY	$3,626
		233560	01/12/2011	A	CWFS36 Snowy Range Ranch LEX	NY	$18,824
		236180	02/10/2011	A	CWFS04	NY	$40,000
		236420	02/10/2011	A	CWFSA7	NY	$3,539
		238322	02/28/2011	A	CWFS19 Stillwater Mining Co	NY	$8,113
		238403	02/28/2011	A	CWFSA8 PPL Montana	NY	$855
		244583	03/28/2011	A	FSL512 Nat'l Arbor Day Foundation	NY	$107,444
		251146	05/27/2011	A	CWFSA6 budget authority needed	NY	$58,917
		251866	05/27/2011	A	CWFSA8 add'l $12,871 and CWFSA9 add'l $19,200	NY	$32,071
		252806	05/27/2011	A	CWFSA7 Mod #3 additional funds	NY	$3,719
		256667	06/10/2011	A	Add'l funds received - CWFS30	NY	$9,187
		277854	09/07/2011	A	CWFSA1 additional	NY	$5,000
		Full Year Authority					**$313,081**
	CWKV	230126	11/04/2010	A	R1 FY11 OPERATING BUDGET	NY	$6,500
		Full Year Authority					**$6,500**
	EGTH	238982	03/03/2011	A	TRANSFER FY11 EGTH PROGRAM FUNDING	NY	$6,539
		Full Year Authority					**$6,539**
	FDDS	231120	12/02/2010	A	Request for Budget Authority to begin FY11	NY	$100,000
		232723	12/29/2010	A	Additional FDDS authority request	NY	$70,000
		233800	01/16/2011	A	Additional Authority request based on CBSA	NY	$56,000
		238302	02/28/2011	A	Additional FDDS authority per collections	NY	$34,000
		244883	03/29/2011	A	Additional FDDS request per collections	NY	$40,000
		251886	05/17/2011	A	add'l FDDS authority per CBSA collections	NY	$42,000

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Unit	BLI	Control Number	Transaction Date	Transaction Type	Description	Fund Type	Change Amount
0111	FDDS	256268	06/07/2011	A	add'l FDDS authority per May-end collections	NY	$24,000
		260783	06/22/2011	A	REVERSE OWCP COSTS INCLUDED IN FY11 FINAL	NY	$300
		264494	08/31/2011	A	Request for add'l FDDS per CBSA	NY	$48,000
		273693	09/13/2011	A	FDDS additional auth needed....funds available per July CBSA	NY	$35,000
		289173	09/12/2011	A	Final authority request per workplans and CBSA status	NY	$42,296
		294693	09/23/2011	A	Spending less than requested	NY	-$34,250
		Full Year Authority					**$457,346**
	FDRF	232702	12/26/2010	A	FY10 CARRYOVER	NY	$728,555
		294333	09/22/2011	A	ADDITIONAL QUAKE LAKE PROJECT FUNDING	NY	$68,000
		297601	09/27/2011	A	REDISTRIBUTION OF AUTHORITY	NY	$25,000
		Full Year Authority					**$821,555**
	GBGB	231140	12/16/2010	A	Request for Budget Authority to begin FY11	NY	$5,000
		234300	01/25/2011	A	GBGB funds to cover approved workplans	NY	$1,512
		249506	04/27/2011	A	Authority needed for Silvertip Slough Cr project	NY	$1,500
		Full Year Authority					**$8,012**
	HTAE	239003	03/03/2011	A	FY11 OPERATING BUDGET ADDENDUM	NY	$7,000
		Full Year Authority					**$7,000**
	HTAP	275175	08/04/2011	A	BEEHIVE AOP	NY	$50,000
		293134	09/20/2011	A	ADDITIONAL BEEHIVE AOP CONTRACT FUNDING	NY	$10,000
		Full Year Authority					**$60,000**
	HTRP	244043	03/24/2011	A	FED HWYS TRIP SUPPORT (GALLATIN NF HWY 86 ALTERNATIVE TRANSPORTATION STUDY) (RPA16E)	NY	$5,000
		Full Year Authority					**$5,000**
	LALW	232960	01/04/2011	A	R1 FY11 OPERATING BUDGET	NY	$174,000
		255506	06/03/2011	A	FY11 FINAL BUDGET ADJUSTMENT	NY	$349,000
		Full Year Authority					**$523,000**
	NFIM	230127	11/04/2010	A	R1 FY11 OPERATING BUDGET	NY	$327,000
		235543	02/02/2011	A	FY10 CARRYOVER	NY	$14,542
		239059	03/04/2011	A	FY11 OPERATING BUDGET ADDENDUM	NY	$10,000
		239742	03/09/2011	A	RIM funding for carnivore study	NY	$16,500
		255427	06/03/2011	A	FY11 FINAL BUDGET ADJUSTMENT	NY	$9,900
		272453	07/28/2011	A	FY11 UCI ASSESSMENT	NY	-$2,879
		Full Year Authority					**$375,063**
	NFLM	230128	11/04/2010	A	R1 FY11 OPERATING BUDGET	NY	$1,042,000
		235544	02/02/2011	A	FY10 CARRYOVER	NY	$112,219

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0111	NFLM	255409	06/03/2011	A	FY11 FINAL BUDGET ADJUSTMENT	NY	-$67,200
		263097	07/05/2011	B	OWCP BARTER	NY	-$3,900
		Full Year Authority					**$1,083,119**
	NFMG	230129	11/04/2010	A	R1 FY11 OPERATING BUDGET	NY	$340,000
		235538	02/02/2011	A	FY10 CARRYOVER	NY	$12,753
		255448	06/03/2011	A	FY11 FINAL BUDGET ADJUSTMENT	NY	-$5,000
		272439	07/28/2011	A	FY11 UCI ASSESSMENT	NY	-$5,758
		Full Year Authority					**$341,995**
	NFN3	230180	11/04/2010	A	R1 FY11 OPERATING BUDGET	NY	$35,000
		239022	03/03/2011	A	FY11 OPERATING BUDGET ADDENDUM	NY	$97,900
		255449	06/03/2011	A	FY11 FINAL BUDGET ADJUSTMENT	NY	$15,000
		258526	06/15/2011	A	CONSOLIDATE NFN3 FUNDING FOR BOUNDARY MGMT WORK BY ELZ	NY	$80,000
		263674	07/06/2011	A	EAST SIDE LAND ZONE BOUNDARY MGMT FUNDING	NY	$11,000
		Full Year Authority					**$238,900**
	NFPN	230130	11/04/2010	A	R1 FY11 OPERATING BUDGET	NY	$50,500
		235539	02/02/2011	A	FY10 CARRYOVER	NY	$9,489
		255383	06/03/2011	A	FY11 FINAL BUDGET ADJUSTMENT	NY	$2,500
		Full Year Authority					**$62,489**
	NFRG	230160	11/04/2010	A	R1 FY11 OPERATING BUDGET	NY	$325,300
		235545	02/02/2011	A	FY10 CARRYOVER	NY	$16,019
		255486	06/03/2011	A	FY11 FINAL BUDGET ADJUSTMENT	NY	$36,000
		263097	07/05/2011	B	OWCP BARTER	NY	-$1,900
		272335	07/28/2011	A	ADDITIONAL WO FUNDING	NY	$15,000
		Full Year Authority					**$390,419**
	NFRW	230161	11/04/2010	A	R1 FY11 OPERATING BUDGET	NY	$1,242,000
		235560	02/02/2011	A	FY10 CARRYOVER	NY	-$4,166
		239060	03/04/2011	A	FY11 OPERATING BUDGET ADDENDUM	NY	$50,000
		255385	06/03/2011	A	FY11 FINAL BUDGET ADJUSTMENT	NY	-$51,100
		272435	07/28/2011	A	FY11 UCI ASSESSMENT	NY	-$28,790
		Full Year Authority					**$1,207,944**
	NFTM	230162	11/04/2010	A	R1 FY11 OPERATING BUDGET	NY	$514,900
		235546	02/02/2011	A	FY10 CARRYOVER	NY	$17,190
		Full Year Authority					**$532,090**
	NFVW	230163	11/04/2010	A	R1 FY11 OPERATING BUDGET	NY	$711,100
		235547	02/02/2011	A	FY10 CARRYOVER	NY	$22,312
		239061	03/04/2011	A	FY11 OPERATING BUDGET ADDENDUM	NY	$16,900
		255429	06/03/2011	A	FY11 FINAL BUDGET ADJUSTMENT	NY	$13,000
		272356	07/28/2011	A	FY11 UCI ASSESSMENT	NY	-$2,879

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0111	NFVW	272437	07/28/2011	A	FY11 UCI ASSESSMENT	NY	-$20,153
		Full Year Authority					**$740,280**
	NFWF	230164	11/04/2010	A	R1 FY11 OPERATING BUDGET	NY	$713,100
		235548	02/02/2011	A	FY10 CARRYOVER	NY	$11,471
		239102	03/04/2011	A	FY11 OPERATING BUDGET ADDENDUM	NY	$220,900
		255446	06/03/2011	A	FY11 FINAL BUDGET ADJUSTMENT	NY	$31,800
		272438	07/28/2011	A	FY11 UCI ASSESSMENT	NY	-$8,637
		283833	08/26/2011	A	NFWF PROJECTS: ($10,000 - SUPPORT MSU BIGHORN SHEEP/GOAT RESEARCH AND MONITORING) ($20,000 - IMPLEMENT GALLATIN NF TRAVEL PLAN ROAD DECOMMISSIONING)	NY	$30,000
		Full Year Authority					**$998,634**
	QMQM	231120	12/02/2010	A	Request for Budget Authority to begin FY11	NY	$20,000
		232721	12/29/2010	A	Additional QMQM Request	NY	$50,000
		233800	01/16/2011	A	Additional Authority request based on CBSA	NY	$10,000
		297857	09/28/2011	A	Additional Budget Authority to cover Expenditures	NY	$2,000
		Full Year Authority					**$82,000**
	RBRB	235420	02/02/2011	A	FY10 RBRB CARRYOVER (PRORATED)	NY	$1,914
		253810	05/24/2011	A	FY11 RBF DISTRIBUTION (PNF 0259)	NY	$11,000
		Full Year Authority					**$12,914**
	RTRT	272442	07/28/2011	A	FY11 UCI ASSESSMENT	NY	-$97,886
		272445	07/28/2011	A	REVERSE CONTROL #272442 (PROGRAM ERROR)	NY	$97,886
		Full Year Authority					**$0**
	SALN	284793	08/31/2011	A	Request for Budget Auth per CBSA	NY	$361
		Full Year Authority					**$361**
	SPFH	255546	06/03/2011	A	FY11 FINAL BUDGET ADJUSTMENT	NY	$72,500
		259826	06/20/2011	A	$.9-Cabin Creek CG MCH (40 AC); $.7-Bridger Bowl Ski MCH (15 AC); $2.3-Bridger Bowl Ski Verbenone (15 AC); $10.0-Cooke City Whitebark Pine Project (150 AC)	NY	$13,900
		Full Year Authority					**$86,400**
	SPS4	236140	02/08/2011	A	R1 WBB FY10 CARRYOVER	NY	$20,000
		256926	06/09/2011	A	FY11 FINAL BUDGET ADJUSTMENT (WBB ALLOCATION)	NY	$40,700
		Full Year Authority					**$60,700**
	SRS2	234542	01/25/2011	A	FY10 RAC CARRYOVER	NY	$177,027
		241366	03/16/2011	A	FY11 GALLATIN RAC (GALLATIN - $86,432)	NY	$86,432
		Full Year Authority					**$263,459**

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0111	SSSS	230166	11/04/2010	A	R1 FY11 OPERATING BUDGET	NY	$100,000
		257128	06/09/2011	A	FY11 FINAL BUDGET ADJUSTMENT	NY	-$600
		260795	06/22/2011	A	REVERSE OWCP CHARGES INCLUDED IN FY11 FINAL	NY	$600
		Full Year Authority					**$100,000**
	URCP	231120	12/02/2010	A	Request for Budget Authority to begin FY11	NY	$500
		297859	09/28/2011	A	Additional Budget Authority to Cover Expenditures	NY	$300
		Full Year Authority					**$800**
	URFF	231120	12/02/2010	A	Request for Budget Authority to begin FY11	NY	$300
		Full Year Authority					**$300**
	URFM	231120	12/02/2010	A	Request for Budget Authority to begin FY11	NY	$1,000
		Full Year Authority					**$1,000**
	URMJ	232400	12/16/2010	A	MJ8802 Carryover from FY10	NY	$18,552
		237262	02/18/2011	A	MJ8802 additional money collected	NY	$36,018
		261917	06/28/2011	A	Montana Opticom Cost Recovery MJ1161	NY	$12,560
		Full Year Authority					**$67,130**
	URMN	231120	12/02/2010	A	Request for Budget Authority to begin FY11	NY	$500
		260561	08/31/2011	A	Additional needs in URMN per workplan	NY	$560
		Full Year Authority					**$1,060**
	WFHF	230167	11/04/2010	A	R1 FY11 OPERATING BUDGET	NY	$1,308,000
		239103	03/04/2011	A	FY11 OPERATING BUDGET ADDENDUM	NY	$10,000
		255534	06/03/2011	A	FY11 FINAL BUDGET ADJUSTMENT	NY	-$93,700
		272443	07/28/2011	A	FY11 UCI ASSESSMENT	NY	-$5,758
		Full Year Authority					**$1,218,542**
	WFPR	230168	11/04/2010	A	R1 FY11 OPERATING BUDGET	NY	$3,165,500
		255569	06/03/2011	A	FY11 FINAL BUDGET ADJUSTMENT	NY	$28,600
		272357	07/28/2011	A	FY11 UCI ASSESSMENT	NY	-$97,886
		Full Year Authority					**$3,096,214**
	WFW3	243463	03/22/2011	A	UPPER DERBY FENCE CONTRACT REOFFER	NY	$72,410
		254587	05/31/2011	A	DERBY FENCING CONTRACT	NY	$15,000
		Full Year Authority					**$87,410**
	Unit Authority						**$16,905,292**
Total Authority							**$16,905,292**

Item No. 12 | Restocking Harvest Areas

A. Summary of Forest Plan Direction

Forest Plan monitoring requirement #12 is to assess whether timber harvest areas have been restocked as planned. (Forest Plan Table IV-1, page IV-5).

B. Introduction

Monitoring of reforestation of timber harvest areas was required by 36 CFR 219.12(k)(5)(i) and FSM 2470.3. In the Northern Region, timber "harvest and regeneration practices shall be designed to assure lands may be adequately restocked within 5 years after final harvest."

C. Monitoring Results

Between 2002 and 2006, regeneration timber harvest occurred on 697 acres. As of 2011, 492 acres were certified as fully stocked (reforested) and 207 acres were not certified.

Acres Harvested and Acres Not Certified as Reforested by Timber Sale Name.

Sale Name	Year Harvested	Acres Harvested	Acres Not Certified by 2011
Moose/Swan/Tamphery Helio	2004/2005	177	19
Iron Mountain	2002/2003	44	0
Darroch/Eagle	2006	195	7
Dead Cow	2006	9	9
Beaver Creek Fire Salvage	2006	17	0
Taylor Fork Helio	2005	99	0
West Pine Creek Reserve	2004	21	21
Pole Gulch	2002/2003	77	74
Gallatin Roaded Reserve	2002	49	41
Totals		**697**	**207**

Acres Certified and Not Certified as Reforested by Harvest Method.

Harvest Method	Not Certified as Reforested	Certified as Reforested
Clearcut with leave trees	189	429
Shelterwood	9	44
Patch clearcut	7	19

No regeneration harvest has occurred on the Gallatin National Forest since 2006.

D. Evaluation and Recommendations

The data in the above tables (derived from a computer data base) comes as somewhat of a surprise The data is suspect and further investigation is warranted to determine whether there are truly regeneration problems or if the uncertified stands are actually progressing toward certification or if this could even be as simple as a data base error. The objective will be to have more conclusive information in the FY2012/2013 monitoring report.

Item No. 13 | Suitable Timber Base

A. Summary of Forest Plan Direction

Forest Plan monitoring requirement #13 is to assess whether there has been a 10% change in the suitable timber base. (Forest Plan Table IV-1, page IV-5).

B. Evaluation

The suitable timber base remains as it was allocated in the Gallatin Forest Plan. While many areas were not entered for timber harvest as anticipated in the Forest Plan, lands considered suitable for timber management have not changed. No lands identified as suitable were discovered to be incapable. Suitability based on other factors such as competing uses are to be addressed at the time of Forest Plan revision.

Item No. 14	Forty Acre Limitation on Regneration Harvest Units

A. Summary of Forest Plan Direction

Forest Plan monitoring requirement #14 is to determine whether the 40 acre maximum size limit for regeneration timber harvest units should be continued.

B. Introduction

The National Forest Management Act (NFMA) 1982 implementing regulations at 36 CFR 219.27(d)(2) specified that "individual cut blocks, patches or strips shall conform to the maximum size limits for areas to be cut in harvest operation established by the regional guide according to geographic areas and forest types. This limit may be less than, but will not exceed ----- 40 acres" with exceptions for areas harvested as a result of natural catastrophic condition such as fire, insect and disease attack or where larger openings will result in a more desirable combination of net public benefits. Size limits exceeding 40 acres may also be permitted on an individual timber sale basis after 60 days' public notice and review by the Regional Forester.

C. Monitoring Results

From 2007 to 2011 no regeneration timber harvest units exceeded 40 acres on the Gallatin National Forest.

Timber harvest has been used as a tool for fuel reduction projects where treatment units exceed 40 acres. In these treatment units intermediate silvicultural prescriptions have been used, not regeneration harvest treatments such as clearcutting, seed tree, or shelterwood systems.

D. Evaluation and Recommendations

As recommended in the 2004 – 2006 Monitoring Report, the 40 acre limitation on regeneration harvest units should be used as a guideline and not a mandate. Criteria to consider for unit size should focus on the purpose and need for the project, the desired future condition for a given area, as well as the habitat types and departure from historical fire regimes.

Item No. 15 | Insects and Disease

A. Summary of Forest Plan Direction

Forest Plan monitoring requirement #15 is to assess whether destructive insects and disease organisms have increased to potentially damaging levels following management activities (Gallatin National Forest Plan, Table IV-1, page IV-6).

B. Introduction

Management actions can have either positive or negative effects from an insect and disease stand point based on a number of variables. Some of the situations which could result in increased damage post management include:

- Increased root disease effects following intermediate harvest
- Increased dwarf mistletoe effects following intermediate harvest
- Increased Douglas-fir beetle or spruce beetle effects following prescribed fire injury
- Increased Douglas-fir beetle or spruce beetle effects following harvest related wind throw
- Increased Ips beetle effects following untimely pine slash management
- Increased decay due to residual tree damage

C. Monitoring Results

Gallatin Forest Mortality/Defoliation 2011.

CAUSE	BIG TIMBER ACRES	LIVINGSTON ACRES	GARDINER ACRES	BOZEMAN ACRES	HEBGEN ACRES	FOREST ACRES
Douglas-fir Beetle	14	12	8	153	8	195
Mountain Pine Beetle (LPP)	86	1,313	67	2,137	305	3,908
Mountain Pine Beetle (WBP)	20	1,223	90	2,867	482	4,682
Western Spruce Budworm	15,468	17,355	6,285	88,873	12,909	140,890

Source: USDA/Forest Service/Montana Department of Natural Resources and Conservation/Forest Health Protection Report. "Montana – Forest Insect and Disease Conditions and Program Highlights – 2012", Report 13-02, March 2013.

D. Evaluation and Recommendations

The information above, from aerial detection surveys, is inadequate to assess whether destructive insects and disease organisms have increased to potentially damaging levels following management activities, however professional judgment indicates that there is no evidence that management activities are causing problematic increases in destructive insects and disease.

Item No. 16 | Management Indicator Species

A. Summary of Forest Plan Direction

Forest Plan monitoring requirement #16 is to determine population trends of indicator species and relationships to habitat changes (Gallatin National Forest Plan, Table IV-1, page IV-6).

B. Introduction

The Forest Service is required by National Forest Management Act (NFMA) to "provide for diversity of plant and animal communities based on the suitability and capability of the specific land area in order to meet overall multiple-use objectives" 16 U.S.C. 1604(g)(3)(B). The Forest Service's focus for meeting the requirement of NFMA and its implementing regulations is on assessing habitat conditions based on local information and knowledge, best available science, and/or habitat models to provide for diversity of animal communities. To aid in meeting this requirement, the Forest Plan indentifies Management Indicator Species. MIS are selected because their population changes are believed to indicate the effects of management activities (MIS; 1982 implementing regulations for NFMA (36 CFR 219.19).

The Gallatin National Forest Plan (1987) includes Forest-wide standards for major resource categories, including wildlife. Management Indicator Species are specifically addressed on Gallatin National Forest Plan; Page II-18, #13, which states:

"Indicator species, which have been identified as species groups, whose habitat is most likely to be affected by Forest management activities, will be monitored to determine population change."

Grizzly Bear	threatened
Bald Eagle	endangered (now sensitive)
Elk	big game
Wild Trout	coldwater fisheries
Goshawk	old growth dependent species, dry Douglas fir sites
Marten	old growth dependent species, moist spruce sites

The monitoring section of the Forest Plan includes the following monitoring item relative to MIS:

Gallatin National Forest Plan; Page IV-6; monitoring item #16

Determine population trends of indicator species and relationships to habitat changes: Moderate precision; Moderate Reliability, 5 year intervals

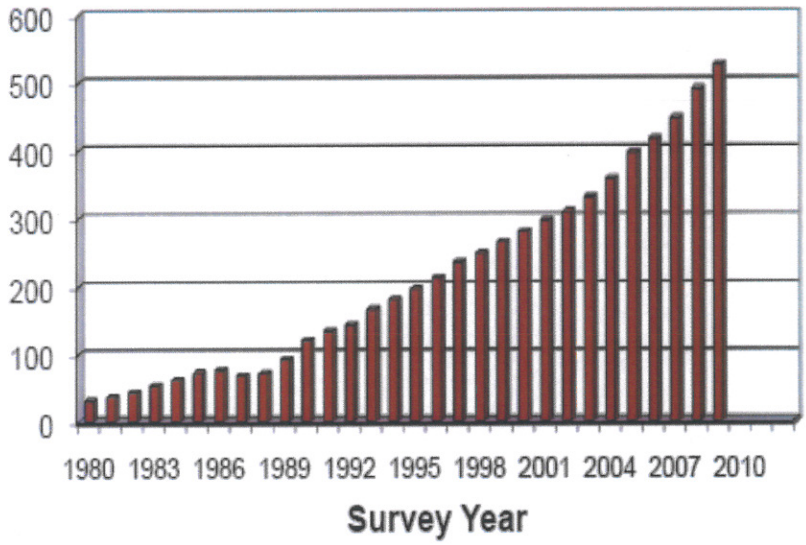
The Gallatin National Forest published the Forest Plan Monitoring Report summarizing information for the period 2004-2006. That report, with respect to MIS, indicated stable to increasing population trends for Gallatin MIS wildlife species. The purpose of this 2011 assessment is to update the best available information about population and habitat trends for Gallatin wildlife MIS species, at the Forest level or other scales, if biologically appropriate. This will set a context for the assessment of project level effects.

C. Monitoring Results with Evaluation

Bald Eagle populations

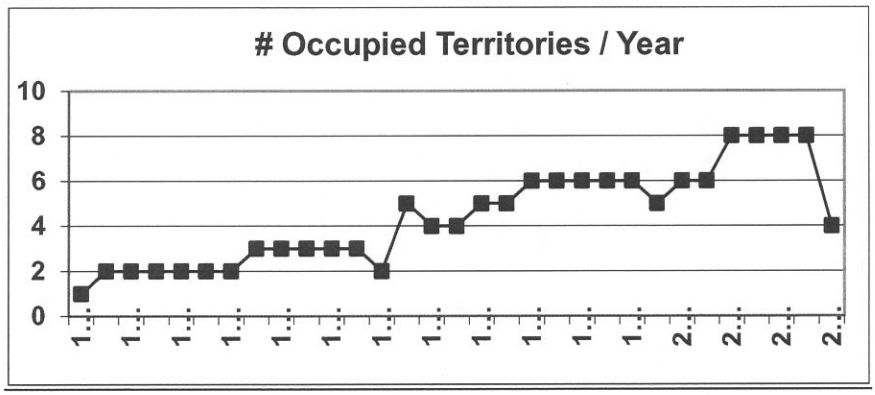
In Montana, the bald eagle was removed from the Endangered Species list in August of 2007. In the 2009 nesting season, there were 233 active bald eagle nests in western Montana, fledging over 200 young. As of 2009, Montana had an estimated 526 bald eagle territories and targets for individual recovery zones were exceeded by 4 to 7 times. Population trends on the Gallatin National Forest are also trending upward. In 2006, there were 9 nesting pairs of bald eagles on the Gallatin National Forest and bald eagles have occupied one new nest territory on the Gallatin in recent years. Nests are monitored in partnership with the state of Montana each year. In addition, data on nests around Hebgen Lake (where all but one of the Gallatin active nests are found) is summarized below.

Montana Bald Eagle Nesting Territories:
 # per year from 1980 to 2009 (DuBois 2010).



Gallatin Bald Eagle Nest Site Data Summary for Hebgen Lake Ranger District

Year	Nest Sites Occupied	Birds fledged per occupied nest
2004	8	0.5
2005	8	0.88
2006	8	0.38
2007	4	1.00
2008	4	0.76
2009	6	1.00



Bald Eagle Habitat:

Habitat for bald eagles occurs around the periphery of lakes and reservoirs (at least 80 acres in size) and in forested corridors within one mile of major rivers (MTBEWG 1994). Nests are most commonly constructed in multi-layered, mature stands with large diameter trees. All of the bald eagle territories on the Gallatin National Forest are found around Hebgen Lake. Management activities have not affected bald eagle habitat due to the incorporation of effective mitigation measures (no treatments or removal of overstory trees within 330 feet of a nest, as per National Guidelines). There are also specific nest site management plans for nests located on the Gallatin National Forest.

Summary: Populations of bald eagles have increased state-wide and on the Gallatin National Forest. The effects of management activities on the Gallatin National Forest have been effectively mitigated through nest management plans that limit vegetation alteration and human disturbances.

Grizzly Bear populations:

Grizzly bears that occupy the Gallatin National Forest are part of the Yellowstone Grizzly Bear population, which had met recovery goals and was delisted in 2007. Following a hearing in District Court in 2009, the Yellowstone Grizzly Bears are currently considered threatened. The reason for relisting had less to do with population trends and more to do with the current high rates of decline in whitebark pine forests and the compounding effects of climate change.

Grizzly bears are expanding the area they occupy outside of the recovery zone on the Gallatin Forest. The most recent population trend determination from the Interagency Grizzly Bear Study Team (IGBST) indicates an increasing trend based on verified sightings of females with cubs of the year (Haroldson and Dickenson 2009). However, the report states that the rate of change is slowing over that observed in 2008. This equates to a total population estimate of 523-641 grizzly bears within the Greater Yellowstone Ecosystem. Bears are well-distributed in that they occupied 18 of 18 Bear Management Units (BMUs), including all the 9 BMU's that are at least partially within the Gallatin National Forest.

Grizzly Bear habitat:

The measure of habitat quality for grizzly bears is secure habitat, which is defined as habitat at least 500 meters from an open or gated motorized access route. The Gallatin National Forest undertook a comprehensive (forest-wide, all seasons) travel planning effort beginning in 2002. The Travel Plan Record of Decision (ROD) was signed in 2006 (when the bear was a listed species). The travel plan decision is consistent with both the Forest

Plan direction for grizzly bear (as a listed species), and the 2003 Conservation Strategy direction (delisted direction but also considered best science) to maintain 1998 levels for secure habitat within the recovery area or primary conservation area. Secure habitat on the Gallatin National Forest has increased over 1998 levels since the travel plan decision specifically targeted increases in secure habitat for three bear subunits that were designated as needing improvement.

Summary: Management activities on the Gallatin National Forest have increased secure habitat for grizzly bears, which may be contributing to the increasing occupation of grizzly bears on the Gallatin National Forest outside of the recovery zone.

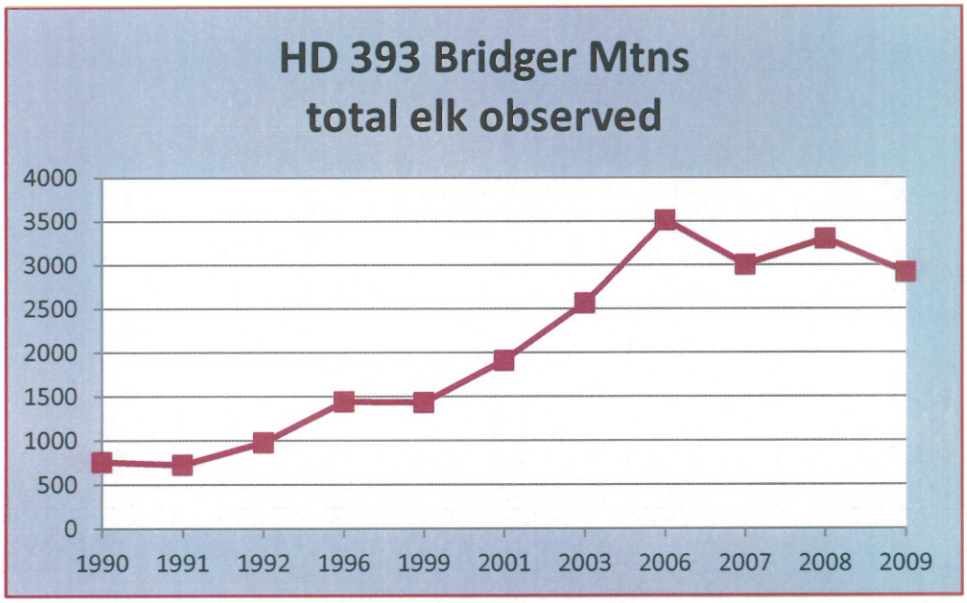
Elk Populations

Elk populations are managed by the Montana Department of Fish, Wildlife, and Parks (FWP) to provide diverse hunting and viewing opportunities. As a hunted species and also a prey species for large carnivores, there are many factors affecting population trends independent of Forest Service management actions.

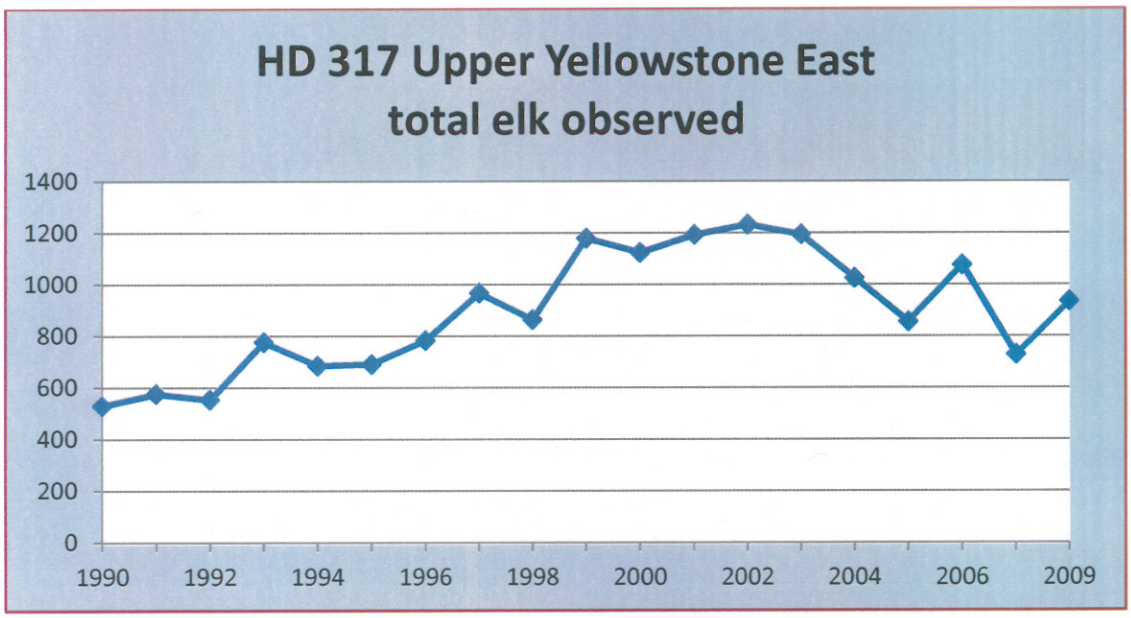
Elk populations are generally monitored using annual winter surveys from fixed wing aircraft. For some populations on the Gallatin, there have also been radio-telemetry data to study elk movements. There are 15 hunting districts that span the breadth of the Gallatin National Forest (see attached maps). Each of these is grouped into an Elk Management Unit (EMU) that has specific objectives, including population ranges that are desired. These objectives are outlined in the State's Elk Plan (updated in 2004). The table below was summarized from the State's Elk Plan currently available from the FWP website.

In addition to gathering information from the State's Elk Plan, data was gathered from flight survey memos from FWP area biologists. This data was charted for easier visualization of survey trends. Each memo was reviewed to determine issues and whether habitat parameters were a factor in either trends or harvest rates. Notes from the survey memos are summarized below each chart; for some hunting districts, there were few or no comments. There is no data for Hunting District 361 (Hebgen Lake). Other trend data are charted below.

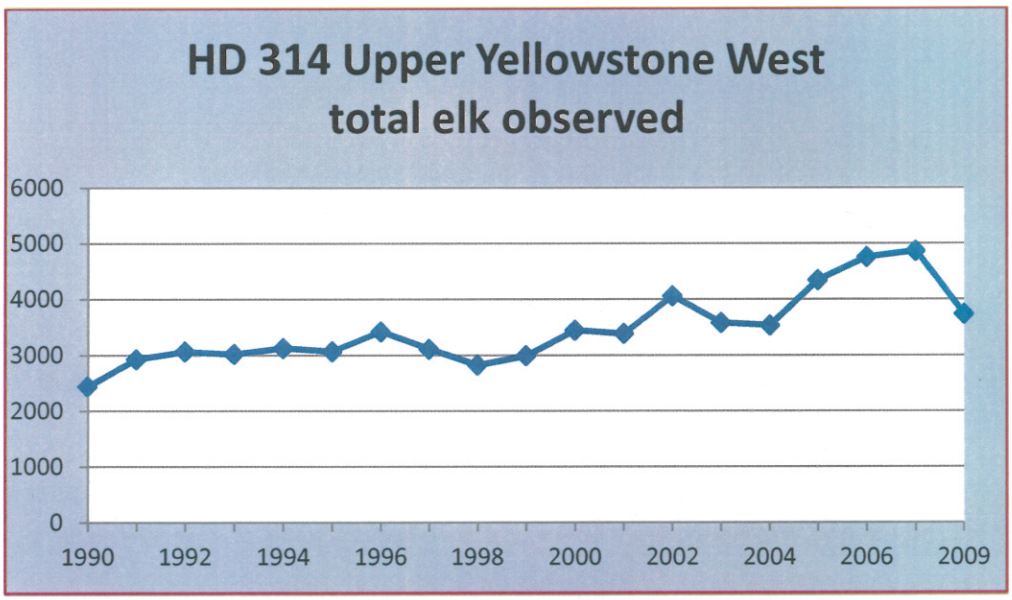
Elk Management Units overlapping with the Gallatin National Forest	Hunting Districts	Summary of Issues
Gallatin/Madison 1,436,800 acres of elk habitat supporting about 4,000 elk, spanning the Gallatin Range (including a wilderness study area), Madison Range, Lee Metcalf Wilderness Area, and Lionhead Roadless area; 46% managed by Gallatin NF	301, 310, 311, 314, 360, 361, 362, 309	Recent land exchanges have consolidated public lands in these two mountain ranges. There is growing concern about the impact of wolf reintroduction on elk numbers, distribution, and behavior throughout this EMU.
Bridger 770,000 acres of elk habitat support 5,000 elk representing 9 reasonably distinct wintering elk herd units; 83% of this EMU is in private land ownership. The remaining 17% is in public ownerships	312, 390, 391, and 393	There is relatively little public (National Forest) land that provides elk hunting opportunities. Noxious weeds are an issue on public winter ranges.
Northern Yellowstone 400,000 acres of elk habitat that helps support the Northern Yellowstone elk herd, a large migratory population of 9,000-19,000 elk. 94% of the lands are public with 75% of the EMU lies within the Absaroka-Beartooth Wilderness Area	313, 314 (S. portion), 316	About 7,000 acres of important wildlife habitat changed from private ownership to the Gallatin National Forest. Wolf restoration and subsequent predation has contributed to the reduction of elk numbers and influenced elk distribution and behavior.
Absaroka 1,200,000 acres of elk habitat currently support approximately 2,900 elk, representing 12 reasonably distinct elk populations; lands in EMU include public (68%) and private (32%).	317, 520 and 560	Over the past decade, no more than 40% of the bulls harvested in this EMU were taken during the first week of the season. An increase in this percentage could indicate deteriorating elk habitat security. Habitat strategies include increase carrying capacity of winter ranges by burning, aspen enhancement and reduction of conifer encroachment.
Crazy Mountains 590,000 acres of occupied elk habitat on both sides of the Crazy Mountains supporting about 3,100 elk. Spring, summer and fall ranges are mostly on National Forest lands and winter range is on private lands.	315, 580	Limited public access concentrates hunting pressure in the vicinity of the few public access points. Elk populations have doubled in the past decade; 38% of the bull harvest occurred during the first week of the season (1999-2001), an indicator of high habitat quality and security. Habitat strategies include coordination with the USFS to maintain forest road densities at levels that balance concerns with elk security and hunter access.



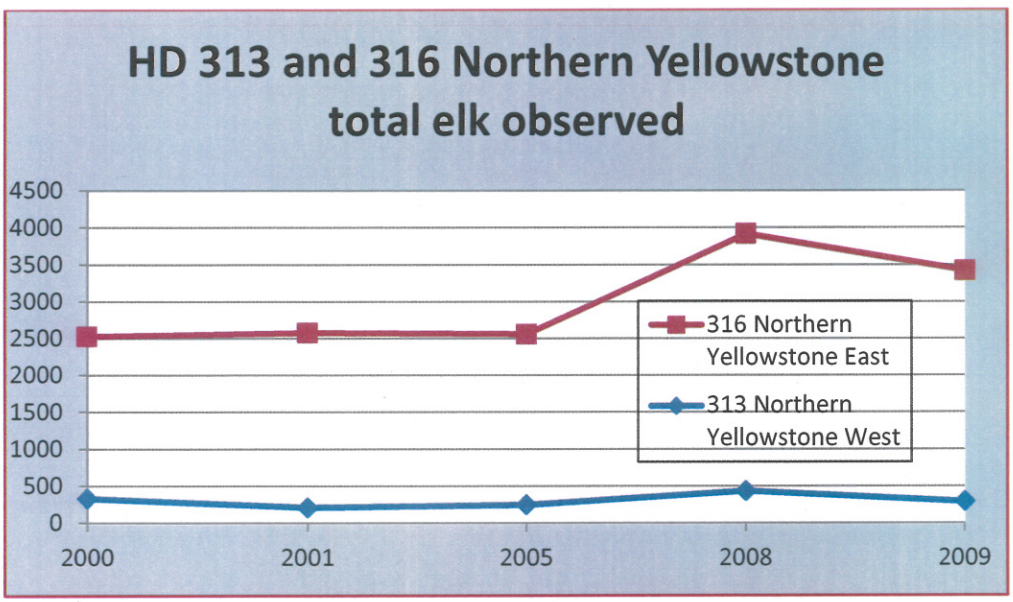
NOTES: Population objective is 1200-1800 and population is well above objective. The ability to harvest large numbers of antlerless elk in HD 393 is hampered by land ownership patterns and lack of public hunting opportunities on private land. Despite increasing elk numbers, few elk related complaints have come from landowners, with the exception of a chronic localized problem near Flathead Pass.



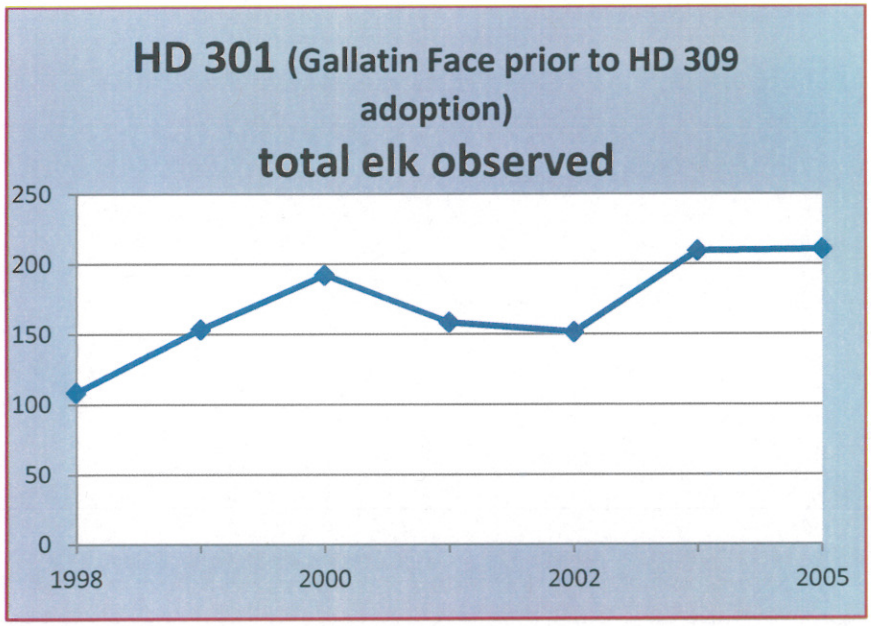
NOTES: Population objective is 720-1080 and currently within objective. Even though many elk in HD 317 occur on National Forest Land during the hunting season, access points are limited and contribute to relatively low harvests, particularly antlerless elk.

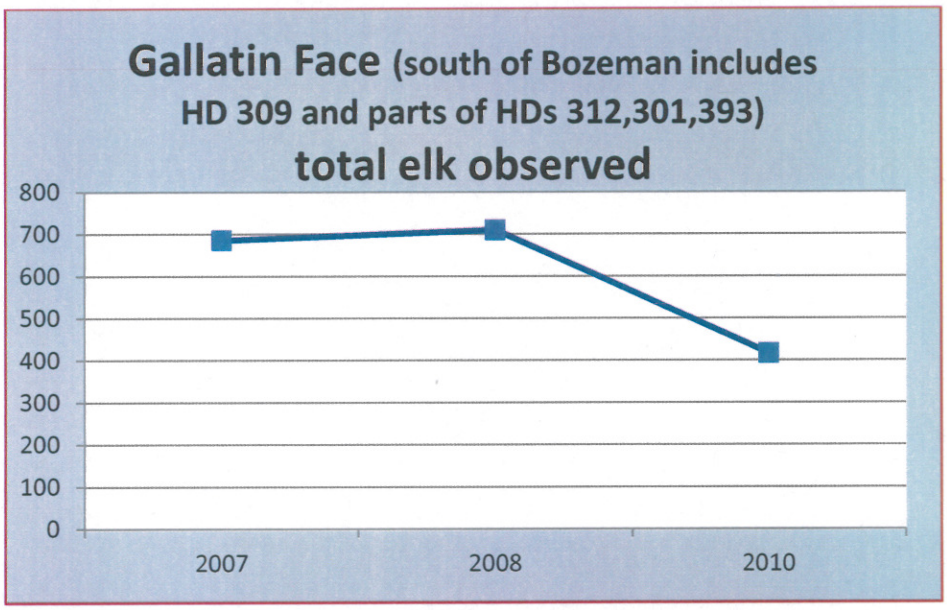


NOTES: Population objective is 2400-3600 elk; population is currently above objective. Since the mid-to-late 1990's, changes in land ownership have resulted in decreased public hunting access to private land. There is a trend of growing elk numbers north of Big Creek, and particularly north of West Pine Creek.

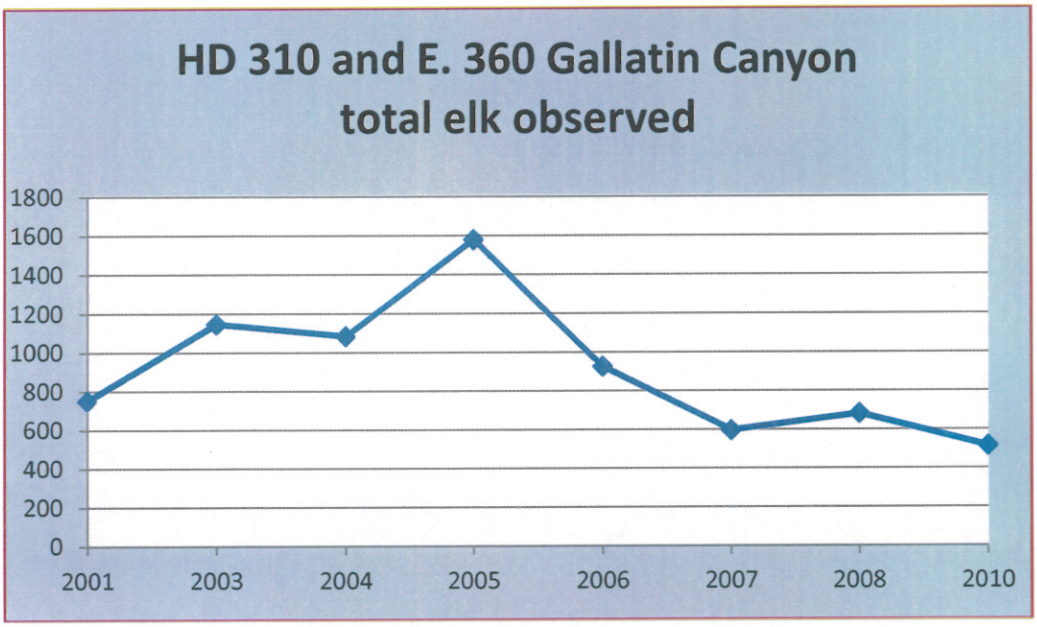


NOTES: The combined elk population objective is 3000-5000 elk; population is currently at objective.
In 2009, as in recent years, during the late winter count the majority of elk north of YNP (85%) were located north of Dome Mountain. This area continues to be an important winter range destination for a large portion of the Northern Yellowstone elk population. This population is now influenced by two significant ecological factors, wolf predation and prolonged drought (now over?), that were not present following the 1989 winterkill.

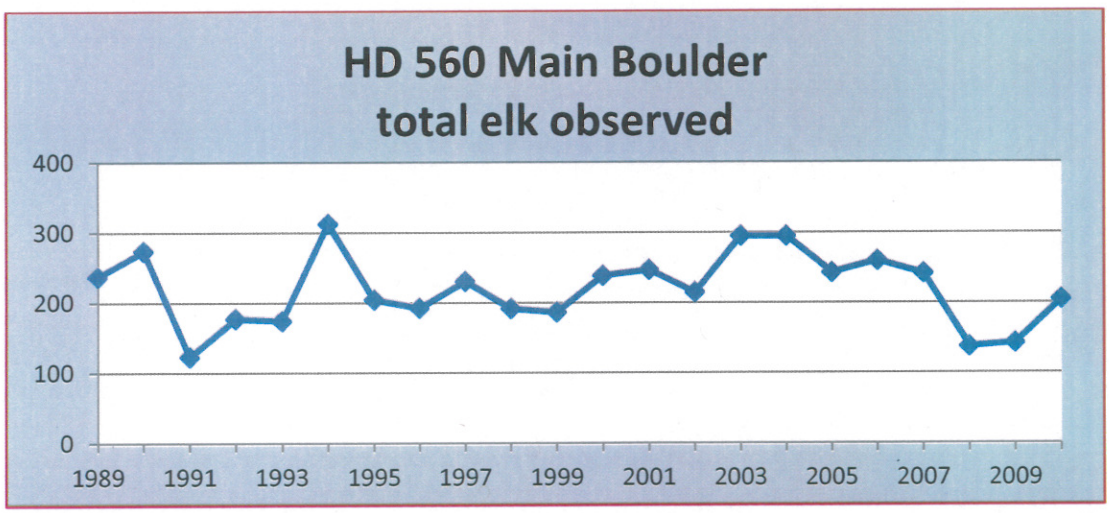




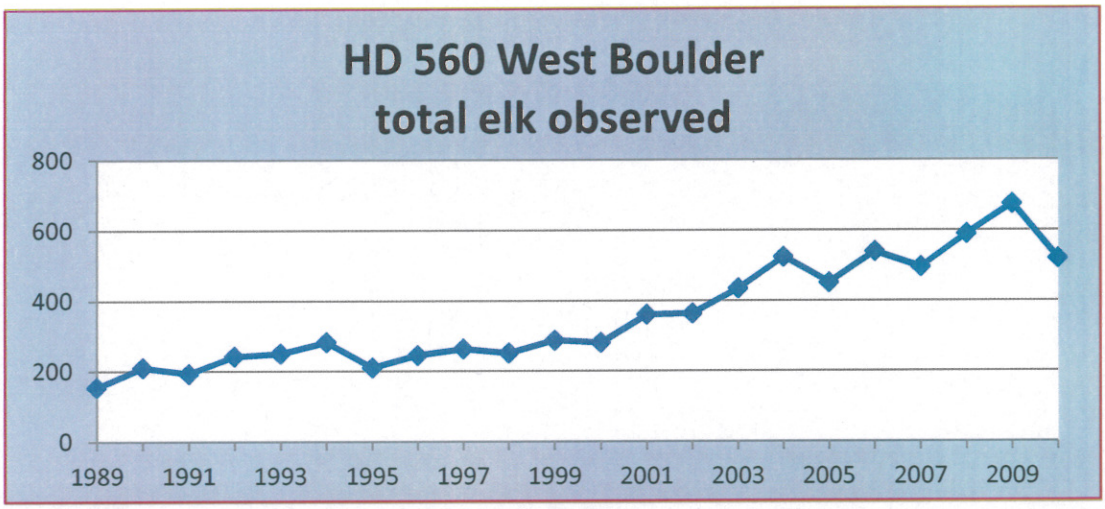
NOTES: Population objective is 400-600 elk for the Gallatin Face.



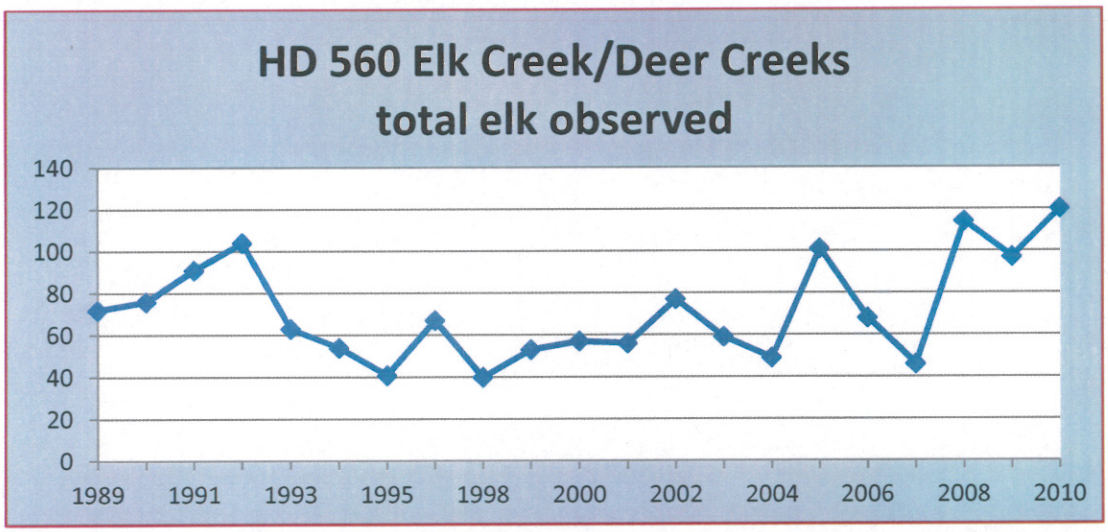
NOTES: Population objective is 1500 elk. Population is under objective.
Charts represent early winter surveys. Late winter and spring counts indicate much lower populations. Elk populations in the upper Gallatin have declined about 30% a year from 2005-2009 with mortality related to black and grizzly bears (elk calves during June and July in Yellowstone National Park), wolves during the fall and winter months, and hunting pressure, which displaces elk to the Madison Valley. This is a complex system where elk are not regulated entirely by hunter harvest.



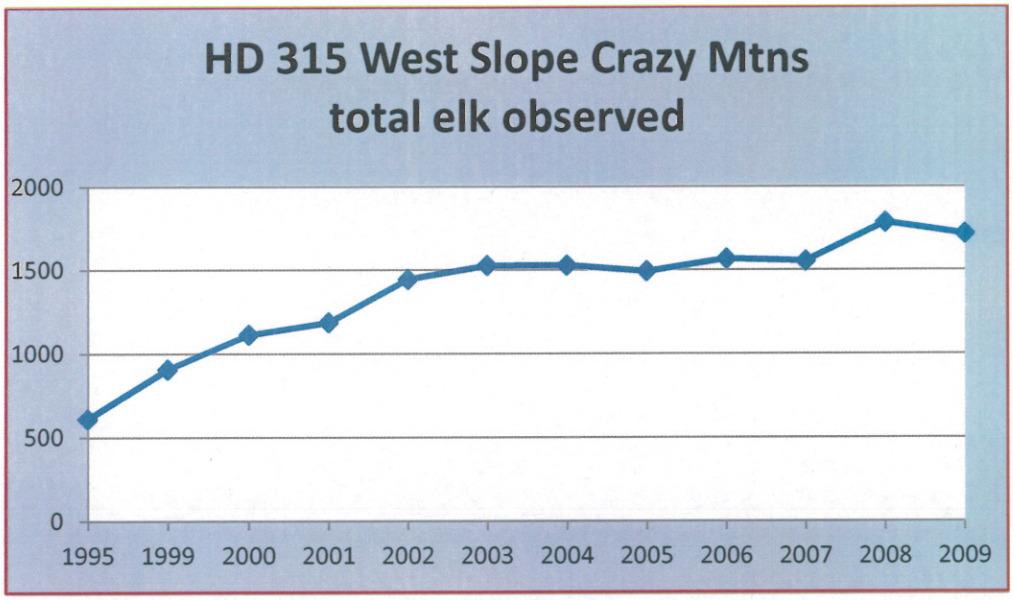
NOTES: The population objective is 300 elk; population is currently below objective. Over the last seven years wolves have been reported using all the major drainages in the upper Boulder. Predation by wolves could be contributing to the poor calf recruitment and declining elk numbers in this area.



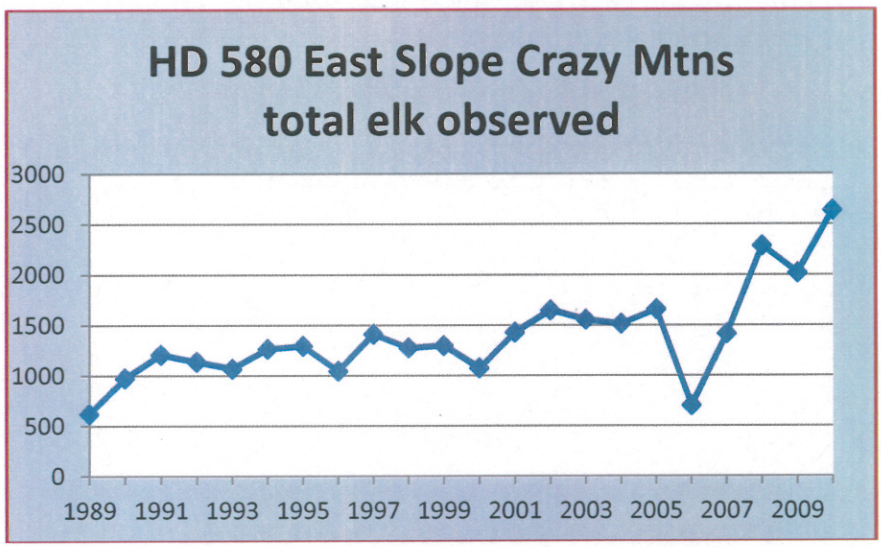
NOTES: The population objective is 300 elk; current population is over objective. The population increase in this herd is largely a result of the lack of access for hunters to most of the elk in this area; 50% of the elk are yearlong residents on private land to which there is not public hunting access. Beginning in 2004, the Mission Creek wolf pack has had an impact on this elk population.



NOTES: The population objective is 100 elk; population is currently slightly above objective. During the summer and fall of 2006, the Derby Mountain fire burned large portions of Upper and Lower Deer Creek drainages as well as most of the Cherry Creek drainage. More elk have been using National Forest System lands since the fire.



NOTES: The population objective is 800-1200 elk and currently over-objective. In recent years, FWP has been working with local landowners and outfitters through the Shield Valley Watershed Group to increase public access to elk and to increase antlerless harvest. Survey noted wolves in the area. Elk move to private land in response to hunting pressure during the archery season.



NOTES: Population objective is 975 elk; they are currently way over objective because of restricted public access (elk use of private land during the rifle season) limits total hunter numbers and harvest in this area.

The Forest Plan EIS suggested that 3,300 elk constituted a minimum viable population on the Gallatin National Forest (EIS, page II-62). Based on FWP survey data, current elk populations are at levels far exceeding this level and many populations on the Gallatin National Forest are increasing and above state population objectives. Generally speaking, elk populations are regulated by hunter harvest, which in turn is related to landowner tolerance. Where elk use private land and compete for forage with agricultural interests, FWP tries to liberalize the hunting season structure so that more elk, particularly antlerless elk, are harvested.

Elk numbers have declined in recent years, in the Gallatin Canyon HD's 310, 360, 312, and 393, due to complicated interactions among predators, both human and large carnivores (bears, wolves). This decline is due to both direct mortality (predation), as well as displacement to private lands in the Madison Valley where public hunting is limited (Julie Cunningham, FWP personnel communication, October 2010). Although there is concern about these specific elk herds, these elk comprise only a small portion of the total elk that utilize the Gallatin National Forest.

Trend counts also include data on the proportion of the population comprised of bulls and calves in relationship to every 100 cows counted. These data vary not only with actual proportions, but with survey conditions making elk more or less available to count (use of forest vegetation makes counting difficult). Available data is summarized in the table below. Although the data are highly variable, calf recruitment appears to be lower in the Upper Gallatin and a portion of HD 560 (Deer Creeks), which could reflect the increased presence and impact of predators, namely wolves, a more recent addition to the carnivore assemblage represented on the Gallatin National Forest.

Hunting District	Calves/100 cows	Bulls/100 cows
393 – Bridgers	42	6-19
314/317 Upper Yellowstone	32-47	11-25
315 East Crazy Mtns	29-58	6-19
313/316 Northern Yellowstone	12-34	15-34
310/360 Upper Gallatin	6-19	25-38
560 Main Boulder River	27-47	1-16
560 West Boulder River	25-46	6-31
560 Elk Creek and Deer Creeks	0-21	3-26
570 Fish Creek	33-58	24-110
580 West Crazy Mtns	26-78	3-102

Elk Habitat:

With the exception of the Derby Fire, FWP flight memos do not include any commentary of the habitat conditions on public lands. The implication made relative to the Derby Fire is that elk were attracted to the increase in available forage and the vegetation mosaic created by different fire intensities.

There was note of the fuel reduction project along the Main Boulder River, but no interpretation on its affect on elk distribution.

The most common reason FWP biologists gave for elk populations being "over objective" is limited access during the hunting season or displacement of elk to private land during the rifle season, when most elk are harvested. Because much of the Gallatin National Forest is bordered by adjacent lower elevation private land, in some places there is limited public access to the public land. In other areas, hunting pressure on public lands displaces animals to private "refuges".

In a recent series of meetings attended by FWP and eastside Forests (Gallatin, Helena, Custer, and Lewis and Clark), specific elk habitat issues on the Gallatin National Forest included open ATV routes during archery season which displace elk onto private land (Smith-Shields portion of the Crazy Mountains) and the loss of cover due to mountain pine beetle mortality (Boulder River area in Absaroka-Beartooth Mountains).

Motorized access has been shown to be the most influential management variable on elk habitat use. This is most commonly stated as a road density limitation (miles of motorized routes per square mile habitat) or as a recommended level of "security". The "best science" for this measure is based on the Hillis et al. paper in the 1991 Elk Vulnerability Symposium, which provided guidelines for providing security areas for elk during the hunting season to prevent displacement and reduce vulnerability to hunter harvest. They defined security areas as blocks of habitat at least 250 acres in size and at least ½ mile from an open motorized route, and recommended that they comprise at least 30% of an analysis unit.

The Gallatin National Forest currently has a standard for hiding cover, but not hunting season security. However, security areas were mapped and quantified by hunting districts as part of the Gallatin Travel Plan Environmental Impact Statement (EIS) in 2006. In addition, the overall motorized route densities were calculated.

As a result of the October 2006 travel plan decision, overall motorized route density on the Gallatin National Forest decreased and security areas increased as follows:

Hunting District	Pre travel plan level (Alt 2)		Current (as per travel plan decision Alt 7-M in 2006)	
	Open route density (all motorized FS routes)	Security areas	Open route Density	Security areas
301	1.2	31	1.2	33
310	0.6	64	0.5	69
311	0.1	86	0.1	86
312	1.0	49	0.8	51
313	0.3	69	0.3	68
314	0.6	51	0.3	54
315	0.9	31	0.7	35
316	0.1	94	0.1	94
317	0.4	77	0.3	78
360	0.3	27	0.4	25
361	1.3	23	1.2	24
362	0.4	66	0.3	76
393	0.7	11	0.8	12
560	0.4	76	0.3	80
580	0.2	70	0.2	70

Thresholds for open route density from the literature include <0.7 miles/square mile (Christensen et al. 1993) where elk are a featured species; <1.9 miles/square mile where elk are one of the primary resource considerations, and less than 1.0/mile/square mile to optimize elk summer use (Canfield et al. 1999).

Post travel plan decision, only 2 hunting districts exceed the 1.0 mile/square mile threshold; all are within the upper threshold from Christensen et al., and 10 of 15 are below the lower threshold from Christensen et al.

Only 3 hunting districts are below the recommended level of security areas, and only one of those hunting districts (361) has a route density >1.0 mile/square mile.

At the forest level, there are 1,193,045 acres of security (using the Hillis et al. definition). When security areas are intersected with FWP elk summer/fall distribution, there are 1,164,377 acres that are farther than ½ mile from an open motorized route during the summer/fall months (this includes wilderness areas), or over 55% of the Forest.

The current standard for hiding cover is to maintain at least two thirds of the hiding cover associated with key habitat components over time at a project level. A Gallatin Hiding Cover Assessment (USDA 2011) was completed to guide interpretation and compliance with the standard and as such, field validation studies were completed which showed that elk hiding cover, defined as vegetation capable of concealing 90% of a standing adult big game animal from view of a human at a distance equal to or less than 200 feet, can be effectively modeled using photo-interpretation where the category includes only coniferous stands with 40% or greater level of canopy cover.

Vegetation at the forest level using photo-interpretation can be characterized as follows:

Category	Acres
Total forested (conifer species) acres on the Gallatin	1,287,193 (about 60% of total acres)
Hiding cover (>40% canopy cover)	935,729 (73%); 549,589 (59%) of this is in Wilderness or Inventoried Roadless Areas
Open conifer stands (<40% canopy cover), limber pine and whitebark pine	351,464

This characterization of vegetation at the forest level does not attempt to capture the site-specific nuances of cover quality as prescribed in USDA 2011 for analysis of project effects on big game habitat. In addition, it should be duly noted that the hiding cover standard in the Gallatin Forest Plan applies only to the project level; there is no forest scale "hiding cover standard". This snapshot of cover at the forest level is intended to provide some context relative to the overall availability of and impacts to hiding cover from fire and timber harvest.

In the past 50 years (relatively little in the past 2 decades), about 80,000 acres were clearcut harvested and an additional 10,000 were thinned. With very few exceptions, all of these harvest units have regenerated (either naturally or through planting) and currently have over 40% canopy cover and thus are providing hiding cover.

Recent prescribed or wild fires (since 2000) have burned 102,278 acres of (>40% canopy cover) hiding cover. Therefore an estimate of the current amount of hiding cover is 833,451 acres or 89% of the potential. Given that Thomas et al. (1979) described optimal conditions for big game as 40% cover and 60% forest, forage, not cover, may be more limiting on the Gallatin National Forest.

Summary: Elk populations are managed by the FWP to include a harvestable surplus, but to be sensitive to the tolerances of private landowners as well. FWP adjusts harvest quotas to try and stay within an agreed upon population level for each EMU. These populations are influenced by multiple variables, but generally not by a lack of habitat quantity or quality. Habitat on the Gallatin National Forest includes many areas with high security (low road density) and abundant hiding cover. The recovery of hiding cover from past clearcut timber harvesting, and the recent travel management plan decision has improved habitat quality for elk on the Gallatin National Forest.

Goshawk Populations:

The northern goshawk is the largest of three forest raptors in the Accipiter family. In Region 1 of the Forest Service (R1), the species breeds in mountainous or coniferous regions throughout Montana as well as northern Idaho. Goshawks winter throughout their breeding range with a portion of the northern goshawk population wintering outside regularly used areas.

The northern goshawk was removed from the Northern Regional Forester Sensitive Species list in 2007, and evaluated again in 2010. Based on the 2010 evaluation, it was recommended to the Regional Forester that inclusion of the northern goshawk on the sensitive species for Region 1 is not warranted at this time. The goshawk has a Nature Conservancy rank of G5T5, which represents the species as globally secure, including the subspecific taxon, *atripicaulis*. The Montana Heritage Program rank for the goshawk is S3, potentially at risk because of limited and/or declining numbers, range, and/or habitat, even though it may be abundant in some areas. This was upgraded from S4 to S3 due to the increased potential threats to habitat from insect outbreaks and fire.

The Northern Goshawk Northern Region Overview – key findings and project considerations was initially completed in 2007 and updated in 2009. The following discussions are derived from this work and the literature cited in the overview is generally not repeated here.

Mortality risk factors include those caused by humans, such as shooting, trapping and poisoning, as well as trauma (from injuries, including collisions with motor vehicles); natural causes, such as weather, starvation, disease/parasites; and predation by avian and mammalian species. Predators include American marten, fisher, wolverine, raccoon, and great horned owls. Weather, more than any other factor is thought to affect egg and nestling survival (as well as territory occupancy).

Goshawk breeding populations are thought most limited by food (shown to limit reproduction), predation, and density-dependent territoriality. Therefore, management activities that have a negative effect on prey populations, increase risk of predation or other mortality factors, or degrade or destroy nesting habitat within a home range are important considerations. The primary influences on the amount, distribution and suitability of goshawk habitat are management treatments in forest vegetation (e.g., thinning, timber harvest) and stand-replacing wildfires.

The current mountain pine beetle outbreak within the Northern Region, and the associated tree mortality, poses uncertain risks to goshawk populations as a function of habitat change and loss. Data are lacking to comprehensively predict goshawk response to the beetle outbreak, though some studies do exist. Goshawk nest areas on the Ashley National Forest experienced a mountain pine beetle outbreak of approximately 100,000 acres in lodgepole pine in the early 1980s. Goshawks continued to nest successfully in lodgepole pine forests where up to 80% of the overstory trees were killed. The number of young that fledged on these territories from 1989 until 1996 was comparable to numbers fledged over the same time period for many other populations in the western United States.

During the 2005 breeding season, R1 piloted the "Northern Goshawk Bioregional Monitoring Design," a grid-based survey protocol based on a random sampling design with suggestions for stratification by habitat quality and ease of access. The purpose of the survey was to employ a statistically-based approach to: (1) estimate the rate of goshawk occupancy (frequency of presence) within a grid that approximates the territory size for the species (1,700 acres); and (2) better define and document the geographic distribution of goshawks across R1. Additional survey data was needed in R1 to strengthen and augment the statistical reliability of existing Forest field data on the species, and to complement the Regionwide Conservation Assessment of the Northern Goshawk developed by Samson (2006a; Bush and Lundberg 2008).

R1 used a simplified random sample approach using 1,700-acre Potential Sampling Units (PSUs) overlaid in a grid-fashion on National Forest System (NFS) lands that had road access to within at least one mile of the edge of the PSU (Woodbridge and Hargis 2006). Of the 17,750 total PSUs, 12,350 were included in the sampling frame (Kowalski 2006).

In addition to obtaining 40 detections out of the 114 PSUs sampled, crews located seven new goshawk nests. This one-year estimate suggested that during the nesting period goshawks were fairly common and widely distributed in the roaded (or more managed) portions of NFS lands in Region 1. By extrapolation of the data, about 40% of the total possible sample units (12,350) would have goshawk detections.

As part of this Regional survey, 10 PSUs were sampled on the Gallatin; goshawks were detected in two of the PSUs and one active nest was found in an additional PSU. This rate of detection (33%) is similar to the Regional trend overall.

The Gallatin National Forest has also done independent surveys and inventories for goshawks, mostly in conjunction with project level analyses, and therefore generally outside of roadless and wilderness areas within the managed portions of the forest. In 2010, all data were compiled and centralized into a spreadsheet; known nests were entered into the NRIS wildlife national database. In addition, 18 sites were resurveyed in 2010; however results should be interpreted cautiously since 2010 was a wet cold spring and early summer, such that surveys were not initiated until about mid-July. Results are as follows:

District	# Nesting Territories	# additional sites with detections	# sites surveyed in 2010	2010 Detections
Yellowstone (Big Timber)	6	3	4	2
Yellowstone (Livingston)	7	8	5	2
Gardiner	1	1	2	0
Bozeman	6	6	3	2
Hegbgen Lake	6	2	4	2
TOTAL	**24**	**22**	**18**	**8**

There have been goshawk detections and/or nests at 46 different locations, distributed across the forest fairly proportional to the habitat model predictions (see habitat section below). Although unroaded and designated Wilderness portions of the Region are mostly at high elevations and/or consist of low canopy forests or non-forested environments (Kowalski 2006), a query of forested conditions within wilderness and inventoried roadless areas on the Gallatin showed that there are almost 400,000 acres of mature dense conifer forest. Therefore, it is highly likely that goshawk nests are found with these more remote areas within the Gallatin National Forest which are outside of the areas represented by the 46 known detections.

Of the sites surveyed in 2010, goshawks were detected at about half the sites. This should not be interpreted as a "trend" given that breeding season conditions in 2010 were cold and wet therefore posing a relatively high probability of nest failures; it is also possible that alternate nest sites were not close enough to the survey route to solicit a goshawk response. Although surveys may inform our knowledge of goshawks and the habitat they use on the Gallatin National Forest, it is unlikely that statistically valid population "trends" can be determined without a more rigorous sample design accompanied by the funding needed for systematic inventories.

In summary, the goshawk is a relatively common and well-distributed avian predator in the Northern Region (Kowalski 2006). Although there is a standardized protocol for detecting goshawk presence, it is difficult to consistently interpret the results of monitoring efforts at the forest level since most of the survey efforts are associated with project level inventories. One approach is to annually check occupancy rates of breeding goshawks in known territories across the forest (started in 2010), but interpretation of that data is complicated by weather-related influences, and fact that goshawks utilize alternate nest sites. Based on the more rigorous survey design at the Regional level in 2005, where 3 of 7 primary sampling units yielded goshawk detections, populations on the Gallatin appear to be stable and cycling at low numbers as reported by Cherry in 2006 (Gallatin National Forest Plan Monitoring Report for 2004-2006).

Goshawk habitat:

Goshawks use large landscapes, integrating a diversity of vegetation types over several spatial scales to meet their life-cycle needs. Goshawk home ranges include the nest stand, post fledging area (PFA), and some amount of general habitat used for foraging, with the diversity of forest vegetative composition, age and structure increasing beyond the nest area.

In "The Northern Goshawk Status Review," the USFWS found that the goshawk typically uses mature forests or larger trees for nesting habitat (the nest area); however, it is considered a forest habitat generalist at larger spatial scales (USFWS 1998). The Service found no evidence in its finding that the goshawk is dependent on large, unbroken tracts of "old growth" or mature forest. However, a pattern of goshawk nest site selection in coniferous forests, especially mature forests with closed canopy and open understory conditions, has emerged repeatedly in numerous studies throughout western North America.

Regional Ecologist Fred Samson developed a goshawk nesting habitat relationship model (for each Ecological Province) using vegetation attributes recorded from known goshawk nest stands in the Northern Region. Data for the southern Rocky Mountain Province (which includes Yellowstone Highlands section encompassing parts of the Custer National Forest and most of the Gallatin National Forest), characterizes nesting habitat as stands with at least 40% canopy cover, single or multi-storied structure, and a nest tree of at least 9 inches diameter at breast height (dbh). Canfield (unpublished report, 2006) examined vegetation data collected by field crews doing Regional goshawk detection monitoring and characterized sampling units with detections or nests for the Gallatin and Custer National Forests. These data, although limited, would indicate that goshawks probably use the best available habitat, which may be less dense and characterized by relatively small diameter trees, compared to areas used by goshawks on other forests in the Region (see table below).

Ecological section	Forest units	Dominant tree species present on the plots in order of occurrence	Median canopy class of dominant trees	Median size class of dominant trees	Median canopy class of co-dominant trees	Median canopy class of co-dominant trees	Understory description
Yellowstone Highlands (M331A) (N=5)	Gallatin and Custer	Lodgepole Pine Douglas fir	10-24%	5-9"	<10%	5-9"	Shrub, grass and forb cover low; Down Woody Debris (DWD) present

Samson (updated by Bush and Lundberg 2008) developed habitat estimates for maintaining viable populations of northern goshawks in R1. In determining habitat estimates for maintaining viable populations, Samson used the goshawk PFA as the critical amount of habitat since goshawks actively defend the PFA. A size estimate of 545 acres was used. Samson determined a total critical habitat estimate of 29,975 acres for a minimum viable population for northern goshawks within R1. Based on the most current estimate available (Bush and Lundberg 2008), the Gallatin NF alone had 109,169 acres of PFA habitat and the Regional total was 1,590,589 acres.

In 2004, Forest Wildlife Biologist Marion Cherry (2003 unpublished viability paper) used a coarse filter approach for mapping potential northern goshawk habitat distribution on the Gallatin National Forest. Territory components, as represented by forest vegetation, were evaluated on their capability to support a breeding pair of goshawks. The model predicted the number and potential distribution of breeding pairs across the Forest based on forest conditions at that time.

Mountain Range	Potential Goshawk Territories
Bridger/Bangtail Mountains	6 – 10
Crazy Mountains	3 – 5
Absaroka-Beartooth Mountains	32 – 63

Gallatin Range	17 – 36
Madison Range	10 –17

This assessment indicated that there are 68-131 potential goshawk territories with optimal conditions on the Gallatin National forest, widely distributed, but concentrated in the Madison, Absaroka-Beartooth and Gallatin Mountain Ranges. Less than optimal habitat may also support birds, which also may successfully fledge young, with varying probability.

The amount of goshawk habitat on the forest at any given time is a function of the amount of potential habitat (mature forests) minus what has been lost to stand-replacing wildfires, timber harvest, and mature tree mortality due to insect and disease agents, most notably mountain pine beetles. Even-age or clearcut harvesting was more or less discontinued by the mid-90's, and timber harvest currently is implemented as relatively small urban interface thinning projects. Therefore, the rate of change from each of these influences has shifted in the past two decades.

In ARCGIS, there is a goshawk potential nesting habitat query (from R1VMAP), which predicts about 253,000 acres of potential goshawk habitat on the Gallatin National Forest, based on conditions reflecting the remote sensing imagery from 2006. Since then, the most influential variable affecting this potential nesting habitat has been mountain pine beetle mortality in lodgepole pine. While noticeable across the forest, mortality within lodgepole stands is variable, and because many of the conifer forests on the Gallatin National Forest are mixed (not pure lodgepole), it is unlikely that stands would become unsuitable for goshawk nesting at current levels of mortality.

Based on this broad scale habitat analysis, there is more than enough suitable nesting habitat currently available on the Gallatin National Forest to support a viable population (see above from Sampson). Current conditions could be expected to shift given climate changes which could favor additional stand-replacement fires or insect epidemics. The small amount of current and planned urban interface timber harvest (thinning), relative to these other factors, is negligible at the forest level.

In addition, forest management activities are mitigated at the project level. Goshawk surveys are conducted in project areas, and as per the northern goshawk Northern Region Overview, the Gallatin National Forest uses a project mitigation to protect 40 acres around the nest tree as well as timing restrictions for project activities, if a goshawk nest is found.

Summary:

- Globally, northern goshawks are well distributed and stable at the broadest scale
- Based on broad-scale habitat and inventory and monitoring assessments conducted in R1 since 2005, breeding goshawks and associated habitats appear widely distributed and relatively abundant on National Forest lands
- Each National Forest appears to have more than enough habitat to maintain a minimum viable population
- Based on a detection surveys, goshawks are present and distributed across the Gallatin National Forest, but population trends cannot be determined from existing data
- Compared to natural events that have or could affect goshawk habitat, project level management activities on the Gallatin National Forest are relatively inconsequential
- Project level surveys ensure that goshawk nests, if found, are protected by mitigation measures as outlined in the northern goshawk Northern Region Overview

Pine Marten Populations:

The pine marten is listed in the Gallatin Forest Plan as a MIS for old growth (moist spruce) forests (Forest Plan, p. II-19). The pine marten is closely associated with late succession stage moist forests with abundant woody debris and snags. Pine martens are trapped and therefore population trends are not a function of habitat availability per se.

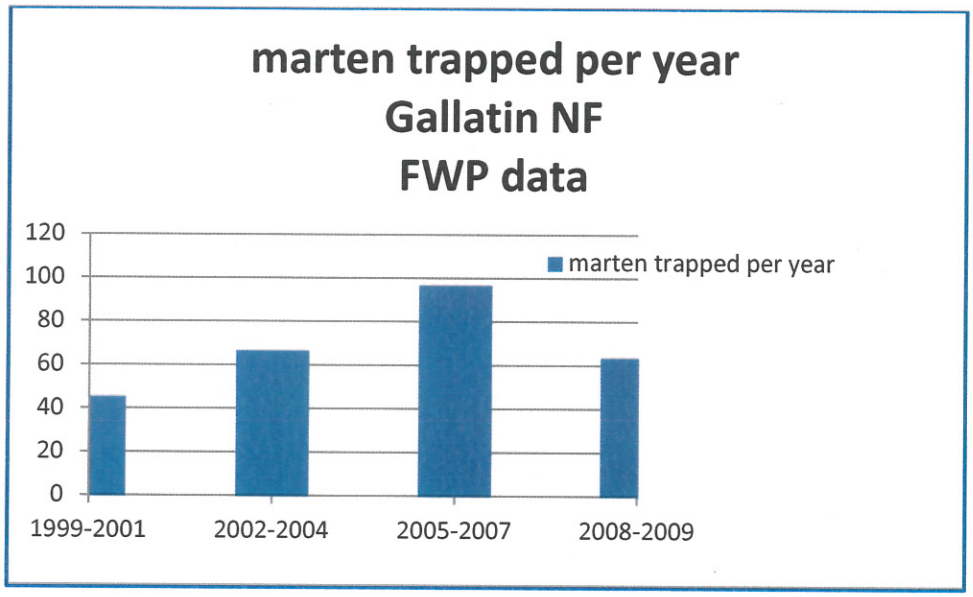
The Montana Department of Fish, Wildlife and Parks (MFWP) annually conducts snow track surveys in western Montana to monitor population trends of several furbearer species, including pine marten (Brian Giddings FWP, 2010, personal communication). Representative habitats and land uses characteristic of the ecoregion are sampled. The Gallatin Forest is located within the southwest montane ecoregion (Montana Trapping District 3).

Pine marten detections per 100 transect miles have varied over a 10-year period (1997-2009) in southwest Montana (MFWP Region 3). Detections ranged from 15.8 per 100 miles (2004) to 156.5 per 100 miles (2006); the rate in 2008/2009 was 73 per 100 miles.

Marten are one of the five furbearers that are required to be registered and pelt tagged so that the actual number of harvested animals is known. The statewide marten harvest continues to remain relatively stable, with higher than average harvest levels as recently as the 2007/08 season. The 2008/09 harvest level of 844 marten was 12% below the 10-year average harvest, but well within the range of 653-1323 over the past 15 years, and may correspond to a similar decline of 39% in pelt prices from the previous three year period (Giddings 2009).

Trend in population parameters show an above average of three juveniles per adult female, a positive age structure bias to juveniles, a stable sex ratio, with a slight decrease in the median age of adults and median age of total harvest at one and a half, indicating a strong proportion of juveniles in the population. These parameters indicate a relatively stable or slightly declining population on a statewide basis (Giddings 2009).

From 1999-2009, 760 marten were trapped on the Gallatin National Forest (FWP data). Data for the Gallatin seem to parallel statewide trends.



Efforts to track and use bait/camera stations as a population monitoring tool have also shown that pine marten are relatively common on the Gallatin National Forest (Dixon and Wold 2001, 2002, 2003).

The Gallatin has cooperated with Wild Things Unlimited (WTU) to conduct winter carnivore track and/or camera surveys every year since 1997. Their collective work showed that pine marten are very common in the Gallatin and Madison Mountain Ranges, but relatively rare in the Bridger/Bangtails and Crazy Mountains (annual reports, WTU). Cherry (2006) surmised that this might be a habitat related function or that access routes used for tracking do not coincide with marten habitat in these mountain ranges. Given the island nature of those mountain ranges, it is possible that pine marten have been effectively "trapped out" and they have not re-colonized (Gehman and Robinson, 2009, and personal communication 2010).

Pine Marten Habitat:

In the early 1990's, the Gallatin National Forest and FWP sponsored three M.S. degree pine marten studies in the West Yellowstone area, which increased our understanding of local behavior and ecology of this species. Martens selected the moist and structurally complex habitats during the winter. Their winter habitat selection was for forest with high canopy cover, large live trees, large deadfall, and abundant vegetation in the understory (Coffin et al. 2002).

Regional estimates of pine marten habitat using FIA data were updated in 2008 (Bush and Lundberg 2008). They showed that 29.6-37.6 of the Gallatin National Forest was pine marten habitat (90% confidence) or 384,965 acres.

Most habitat models for pine marten differentiate between preferred marten habitat and suitable habitat. Preferred habitat includes only the subalpine fir cover types that are mature to old growth at least 6,000 feet in elevation. Suitable habitat models use a combination of size class (mature to old growth), canopy cover (>40%), elevation (>=6,000'), and aspect (N, NE, E for Douglas fir and/or lodgepole pine). Stands that are harvested or burned are not included.

Current habitat estimates for the Gallatin National Forest (using photo interpretation best stratum from TSMRS queried in ARCMAP) are as follows:

Pine Marten Habitat	Acres	Acres Harvested	Acres Burned	Net Acres
Preferred Habitat	209,601	2,903	28,037	178,661
Suitable Habitat	166,392	4,047	23,661	138,684
TOTAL	375,993	6,950	51,698	**317,345**

This modeled total habitat estimate is similar to the amount predicted by FIA data, which is derived from ground-based plot sampling. Based on the spatial depiction of these habitats (see map), it does seem to indicate that pine marten habitat is limited in the Crazy Mountains, less so in the Bridger Mountains and relatively plentiful in the Madison, Gallatin, and Absaroka Mountains.

Summary:

Although this species was selected as a MIS and is being monitored accordingly, there are many other factors influencing populations besides habitat change. Because it is a harvested furbearer, fur market prices, accessibility to populations by humans, and other factors related to trapping may be the most important population level determinants. Timber harvest has had a minor influence on pine marten habitat availability on the Gallatin National Forest. The travel plan decision may have had an indirect effect to reduce effective trapping pressure by reducing motorized access in some areas.

D. Evaluation and Recommendations

Each of the management indicator species (MIS) identified in the Forest Plan are faring well, showing increases in both populations and habitat on the Forest. There are no recommendations to change management practices.

Item No. 17	Effects of Forest Management on Adjacent Lands

A. Summary of Forest Plan Direction

Forest Plan monitoring requirement #17 is to determine the effects of Forest management on land, resources, and communities adjacent or near the Forest and the effects of other government agencies' activities on the Forest (Gallatin National Forest Plan, Table IV-1, page IV-6).

B. Introduction

- Not Reported This Period-

C. Monitoring Results

- Not Reported This Period-

D. Evaluation and Recommendations

- Not Reported This Period-

Item No. 18 | Research Needs

A. Summary of Forest Plan Direction

Forest Plan monitoring requirement #18 is to identify research needs through the monitoring program (Gallatin National Forest Plan, Table IV-1, page IV-6).

B. Introduction

- Not Reported This Period-

C. Monitoring Results

- Not Reported This Period-

D. Evaluation and Recommendations

- Not Reported This Period-

Monitoring Item #19	Range Allotment Management Effectiveness Monitoring

A. Applicable Forest Plan Direction

Goals

Manage the riparian resource to protect the soil, water , vegetation, fish and wildlife dependent upon it (III-19).

Standards and Guidelines

Applicable Forest Plan standards and guidelines are as follows: maintain and where feasible, improve fish habitat capacity in order to achieve cooperative goals with the Montana Department of Fish, Wildlife and Parks and to comply with State water quality standards (pg. II-19), all mangagement practices will be designed or modified as necessary to maintain land productivity and protect beneficical uses (II-24), provide for optimum water temperatures for cold-water fish species (III-19), maintain suitable habitats for those species of birds, mammals, and fish that are totally or partially dependent upon riparian areas for their existence (III-19), manage riparian vegetation, including overstory tree cover to maintain streambank stability and promote filtering of overland flows (III-21).

Monitoring Requirements

The applicable monitoring requirements from Chapter IV, Table IV-1 are as follows:

1) Quantitative estimate of performance outputs and services

3) Management Area standards not followed as directed

5) More than 25% loss in effective streambank cover or 20 point increase in stream channel stability score due to management practices

8) Monitor effectiveness of BMPs controlling effects of management induced sediment on beneficial uses of water

B. Monitoring Questions (Objectives)

The monitoring objectives are: 1) determine existing riparian condition within range allotments; 2) monitor annual compliance with allotment management plan (AMP) objectives; and 3) determine long-term trend in riparian condition to evaluate effectiveness of the objectives in meeting Desired Future Conditions (DFC).

Allotment management effectiveness monitoring accomplishment acres 2011.

Allotment Name	Accomplishment Acres
Bangtail	123
Crazy	840
Fridley	868
Lewis Creek	105
South Fork	154
Sage Creek	1410
Sheep Mile	318
Sixmile North	186
Sixmile South	521
Slip and Slide	319
West Bridger	1356
Wigwam	142
TOTAL	6342

C. Monitoring Procedures Used

Desired Future Condition reflects the capability of the landscape, the various laws and regulations that apply to an area, and the values, or "products" that are desired. DFCs for range allotments are derived from utilizing a combination of Land and Resource Management Practices (LRMP) goals and objectives, standards derived from the Forest Plan regarding riparian vegetation utilization and streambank stability, the 2005 Region 1 "Standardized Protocol for Measuring Streambank Stability", and the 2009 Gallatin National Forest "Managing Riparian Areas Relative to Grazing", which provide a framework for determining existing condition, and short and long-term monitoring needs.

Generalized DFCs for streambank stability and riparian vegetation resource elements are:

(a) **Streambanks:** Maintain all streams within the allotments in a proper functioning condition. The desired conditions are for adequate vegetation, landform, or large woody debris to be present to allow the stream and floodplain to function within its inherent range as determined by its landform and geologic context.

(b) **Riparian Vegetation:** Desired conditions for riparian vegetation are for plant communities associated with springs and riparian areas to exhibit dominance of desired native sedges, grasses and forbs. Desired woody

species are vigorous and reproducing successfully as demonstrated by an unaltered growth form and representation of all age classes. Riparian vegetation expands to the fullest extent possible.

The monitoring procedures described below are not designed to make statistical inferences of riparian conditions across the Forest and therefore cannot be used to generate associated summary statistics; monitoring instead focuses on stream reaches that are susceptible and sensitive to grazing impacts based on GIS work and field knowledge. This approach focuses management on improving stream channel and riparian vegetation conditions in areas likely to be impacted by grazing. The process is meant to establish a consistent approach to NEPA analyses for grazing allotments, administration of grazing allotments (annual monitoring), and adaptive management (feedback from long-term monitoring).

Monitoring procedures begin with a GIS analysis to identify stream reaches within range allotments accessible to cattle and potentially sensitive to grazing impacts. Slope <35%, stream gradient <=3% and VMAP vegetation canopy cover <25% are the parameters used to identify accessibility and sensitivity to grazing. Analysis outputs are reviewed by resource specialists or others familiar with the landscape as the first step in validation. Following output reviews all existing data associated with the range allotment are gathered for review and determination of field data needs are made. Field data sampling methods are both qualitative and quantitative and follow two different methods.

Rapid Assessments - Rosgen channel classification, vegetation rapid assessment, riparian-wetland rapid assessment (PFC) and photo points.

Long-term Assessments – stream channel morphology and vegetation compostion measurements that consist of pebble counts, bankfull widths, pool frequency, residual pool depths, riparian ground cover classification, and greenline and cross-section vegetation composition.

Rapid assessments are used to 1) validate sensitivity and accessibility to cattle grazing; 2) determine if aquatic habitat impacts appear to be occurring; and 3) categorize the impacts based on photo points, riparian-wetland (PFC) rating, and a vegetation checklist format. This method provides a quick evaluation of existing stream channel and riparian vegetation condition within allotments and informs range management specialists of areas of concern that may need further or more detailed examination.

Long-term assessments provide a detailed and more quantitative assessment of stream channel morphology characteristics and vegetation composition and are used to describe existing riparian condition, monitor annual compliance with allotment management plan (AMP) objectives, determine long-term trend in stream channel and riparian vegetation condition and provide the basis for adaptive management.

All field data are collected on a ruggedized personal data recorder (PDR) and uploaded to a centralized database. Customized database tools allow export, analysis, and reporting of field data for further review by range management specialists.

D. Results and Findings

2011 rapid assessment sites with functional rating and trend for functional.

The 2011 Range

Allotment Name	Site Name	District	Functional Rating	Trend
South Fork	Denny Creek Ditch 1	Hebgen Lake	Nonfunctional	Downward
South Fork	Denny Creek Ditch 2	Hebgen Lake	PFC	Not Apparent
Sheep Mile	Little Mile Creek	Hebgen Lake	Functional-At Risk	Downward
West Bridger	Lower Deer Creek	Yellowstone	Functional-At Risk	Upward
West Bridger	West Bridger Creek	Yellowstone	PFC	Upward
West Bridger	Jim's Gulch	Yellowstone	Functional-At Risk	Not Apparent
Fridley	Trib to Miller Creek	Yellowstone	PFC	Upward
Crazy	Devil Creek	Yellowstone	Functional-At Risk	Downward
Lewis Creek	Mill Fork	Yellowstone	Functional-At Risk	Not Apparent
Wigwam	Wigwam Creek	Gardiner	Functional-At Risk	Not Apparent
West Bridger	Tie Cutter Gulch	Yellowstone	PFC	Not Apparent
West Bridger	Derby Gulch 1	Yellowstone	Functional-At Risk	Not Apparent
West Bridger	Derby Gulch 2	Yellowstone	Unknown	Not Apparent
West Bridger	North Derby Gulch 1	Yellowstone	Functional-At Risk	Upward
West Bridger	North Derby Gulch 2	Yellowstone	Functional-At Risk	Not Apparent
West Bridger	North Derby Gulch 3	Yellowstone	Nonfunctional	Not Apparent
Sixmile North	Gold Run Creek	Gardiner	Functional-At Risk	Downward
Fridley	Miller Creek	Yellowstone	Functional-At Risk	Upward

Allotment Management Effectiveness Monitoring included 18 rapid and 7 long-term assessments over 12 range allotments throughout the GNF. Eleven of the 18 rapid assessment sites were determined to be functioning-at-risk, two were non-functional, four were at proper functioning condition and one was identified as unknown. Contributing to the ratings functioning at risk and nonfunctional was an unusually high water year; the Gallatin National Forest had record snowpacks in May and June of 2011, which combined with several widespread heavy frontal storms, resulted in 25 year to localized 500 year recurrence interval runoff events over most of the Forest (Story 2011). These events caused widespread damage to roads and trails and altered stream channel morphology and riparian condition in many of the drainages sampled.

More detailed descriptions of the results and findings for rapid assessment data collected in the 2011 monitoring year will be outlined in each allotment environmental assessment (EA), including a detailed discussion of individual stream conditions and riparian DFC determinations for all streams located within the allotment.

2011 long-term (channel morphology and riparian vegetation) monitoring sites.

Allotment Name	Stream Name	District
South Fork	Denny Creek Ditch	Hebgen Lake
Bangtail	Bangtail Creek	Bozeman
Sixmile North	Sixmile Creek	Yellowstone
South Fork	Basin Cabin Spring Creek	Hebgen Lake
Troy Creek	Trib to Troy Creek	Bozeman
Sage Creek	Sage Creek	Hebgen Lake
Slip and Slide	Slip and Slide Creek	Gardiner

Seven long-term assessments (channel morphology and riparian vegetation surveys) were completed in support of ongoing and future NEPA projects. The GNF Riparian Working Group is currently working to refine the methods for interpretation and presentation of long-term monitoring data. Data from the assessments and detailed descriptions of the results and findings for the 2011 monitoring year will be outlined in future allotment EA's, including detailed discussions of individual stream conditions and riparian DFC determinations for all streams located within the allotment. Some examples of draft outputs and methods for interpretation follow:

Channel Morphology

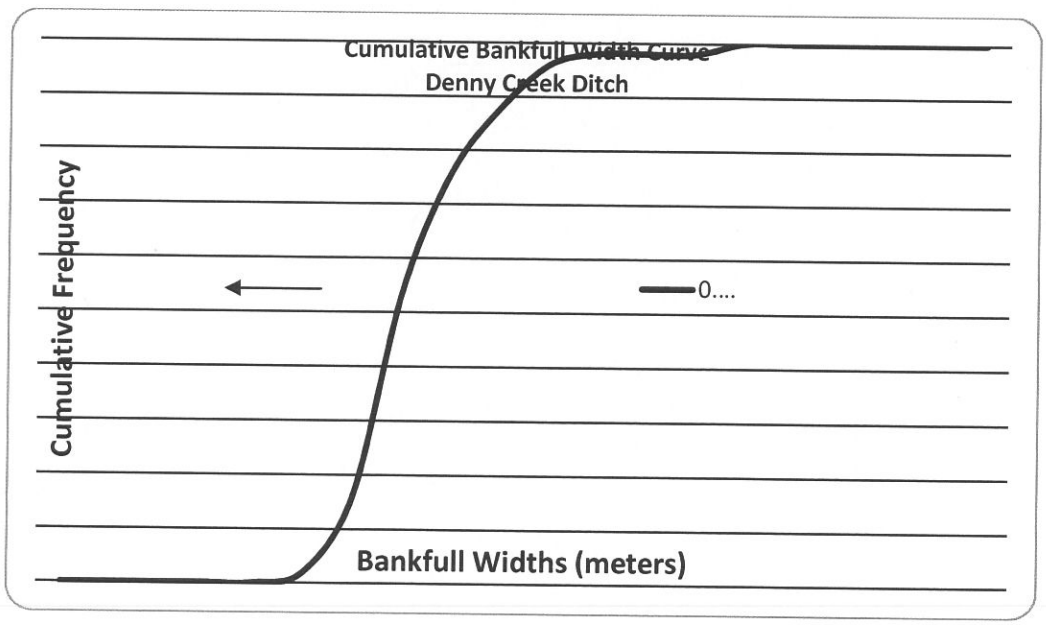


Figure 1. The cumulative bankfull width curve is used to determine existing condition and monitor long-term trend in stream

channel conditions. Improvements to overwidened channels would show a corresponding shift to lower bankfull widths indicating narrowing of the stream channel.

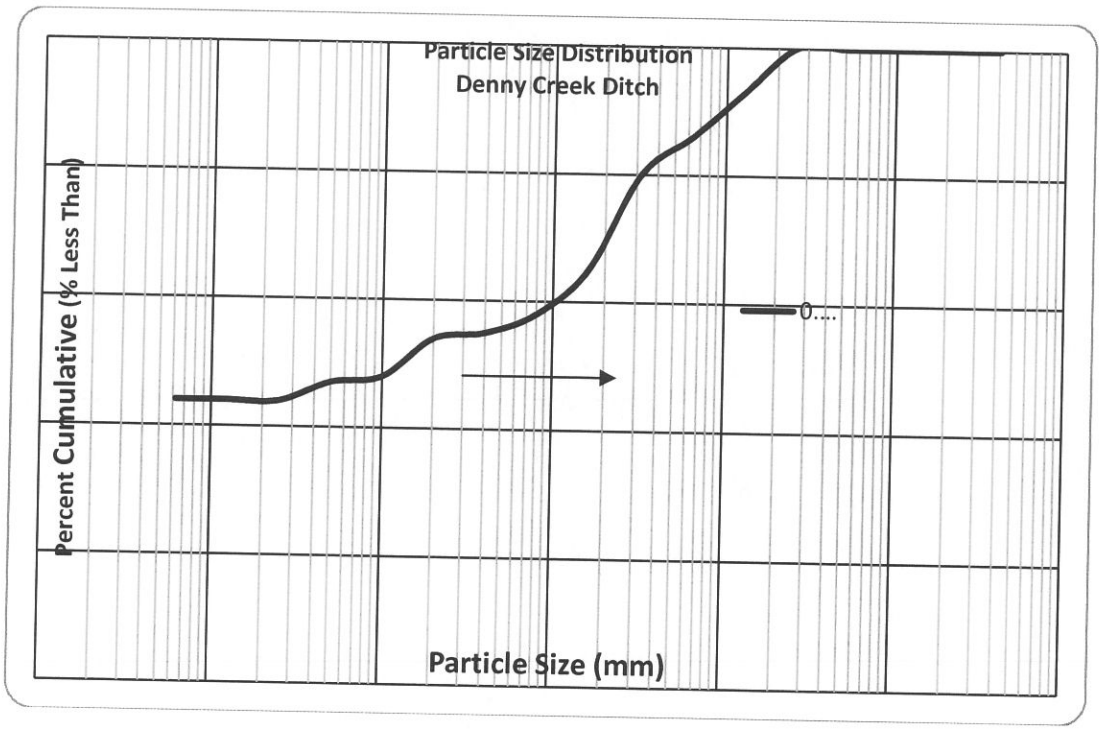


Figure 2. The particle size distribution curve is used to determine existing conditon and monitor long-term trend in stream channel conditions. Postive changes in particle size distribution would show a corresponding shift to larger particle sizes indicating less erosion and sedimentation.

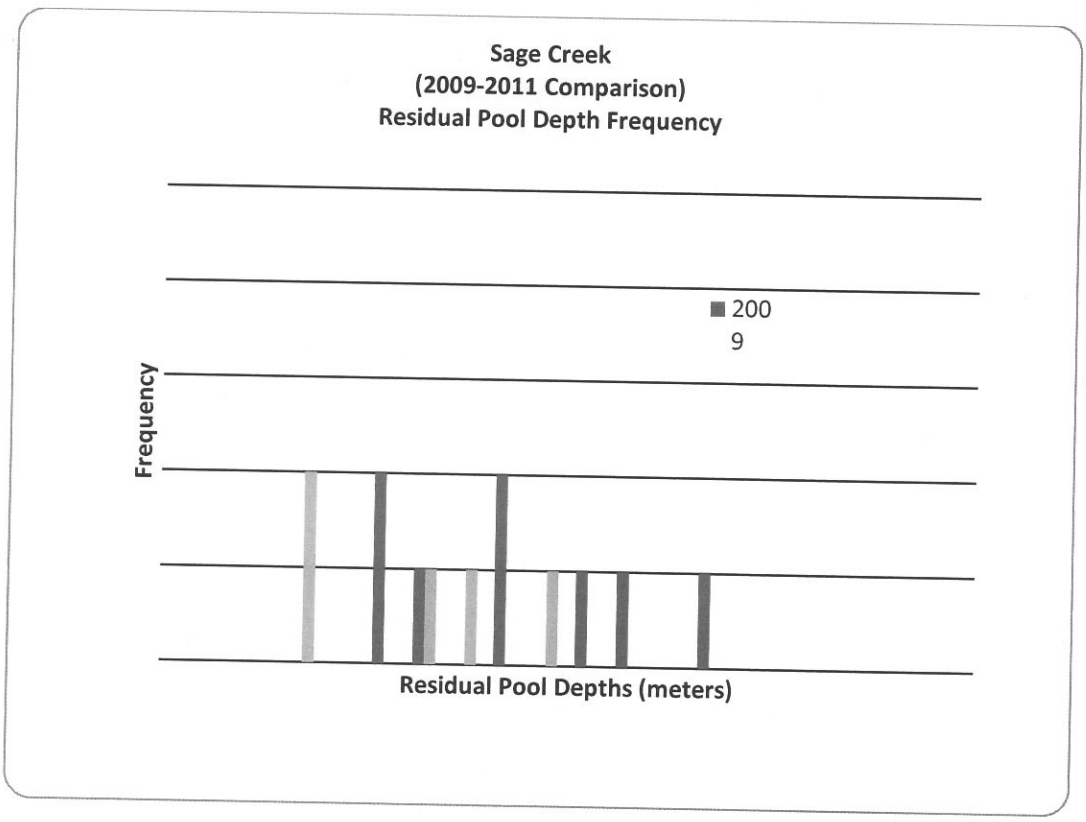


Figure 3. Residual pool depth frequency is used to determine existing conditon and monitor long-term trend in stream channel conditions. Postive changes in residual pool depths would show a corresponding shift to more frequent and/or deeper

pools indicating a decrease in sediment input.

Riparian Vegetation

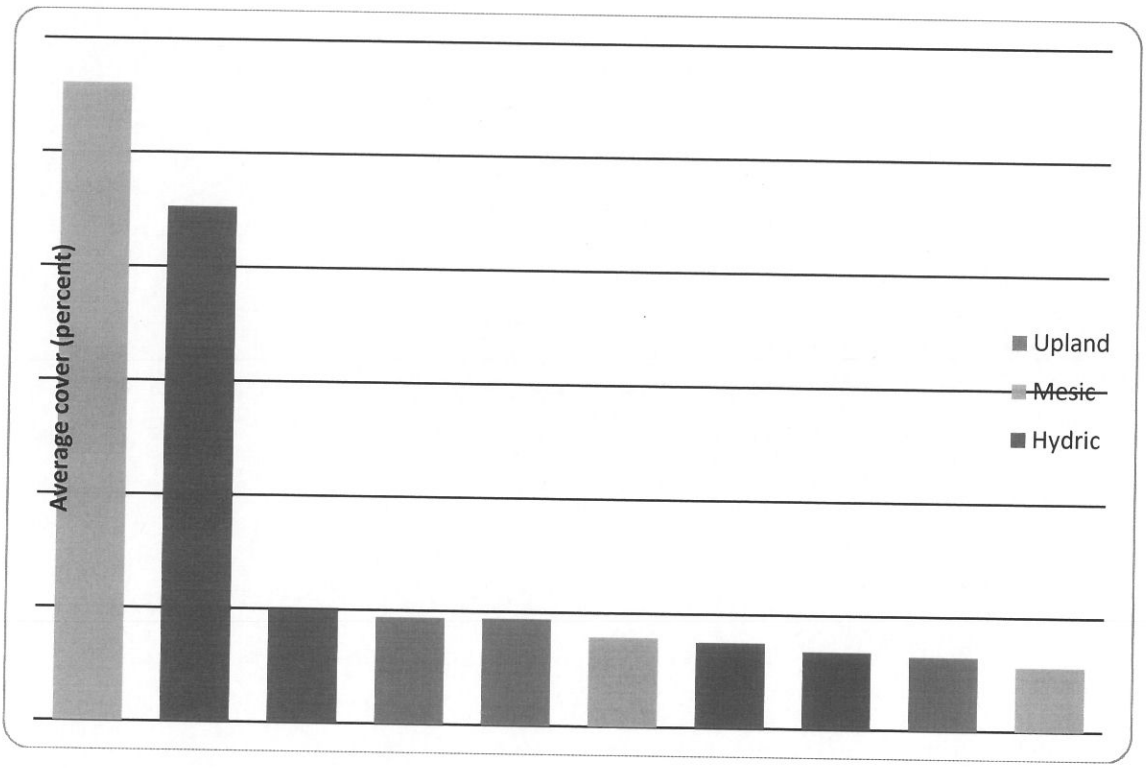


Figure 4. Top ten vegetation species by cover and functional group (hydric, mesic, upland) along the greenline. Larger cover values for hydric species indicate more favorable riparian-wetland conditions.

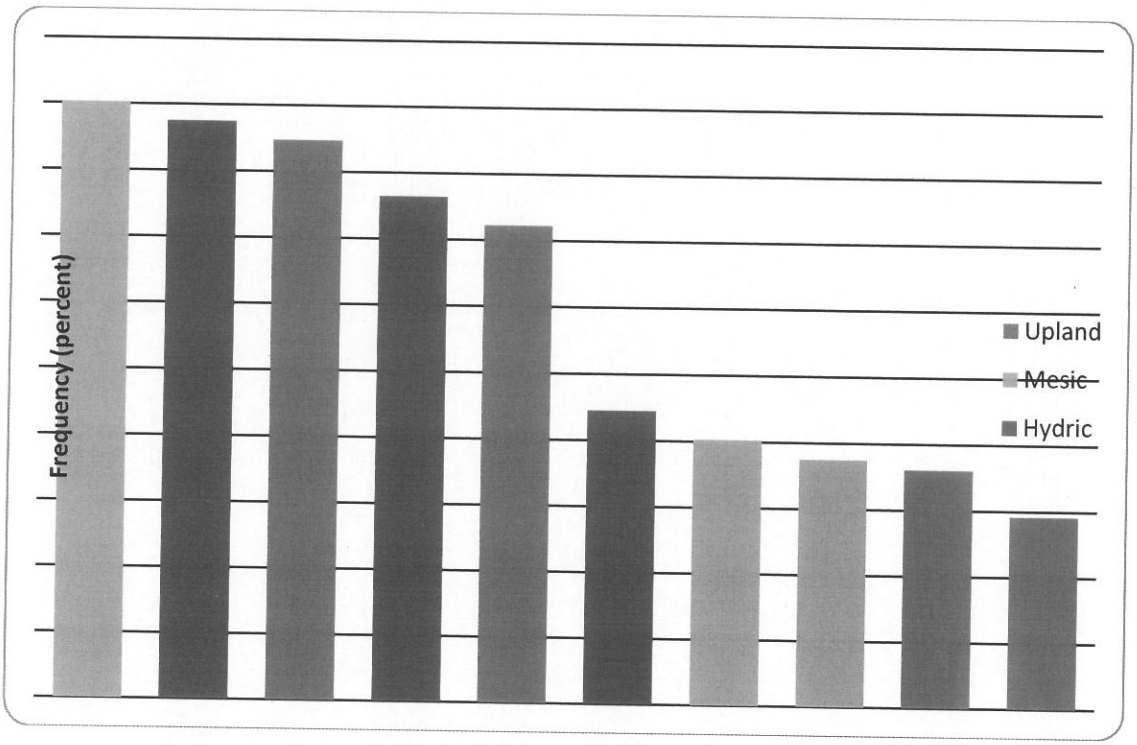


Figure 5. Top ten vegetation species by frequency and functional group (hydric, mesic, upland) along the greenline. Larger frequency values for hydric species indicate more favorable riparian-wetland conditions.

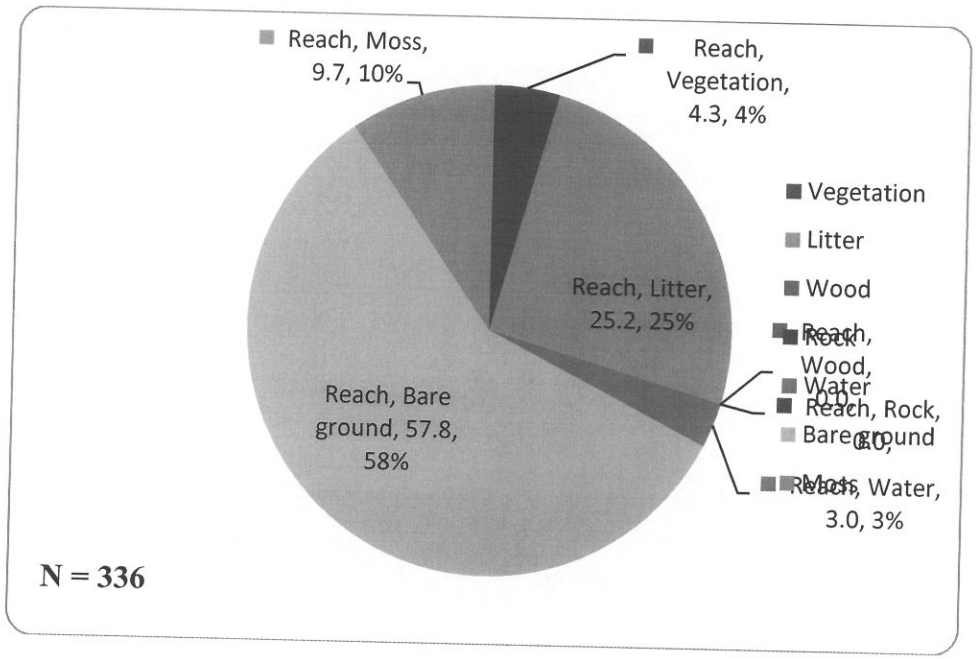


Figure 6. Average ground cover along the greenline. A shift to more favorable ground cover conditions would show a decrease in bare ground and increase in vegetation.

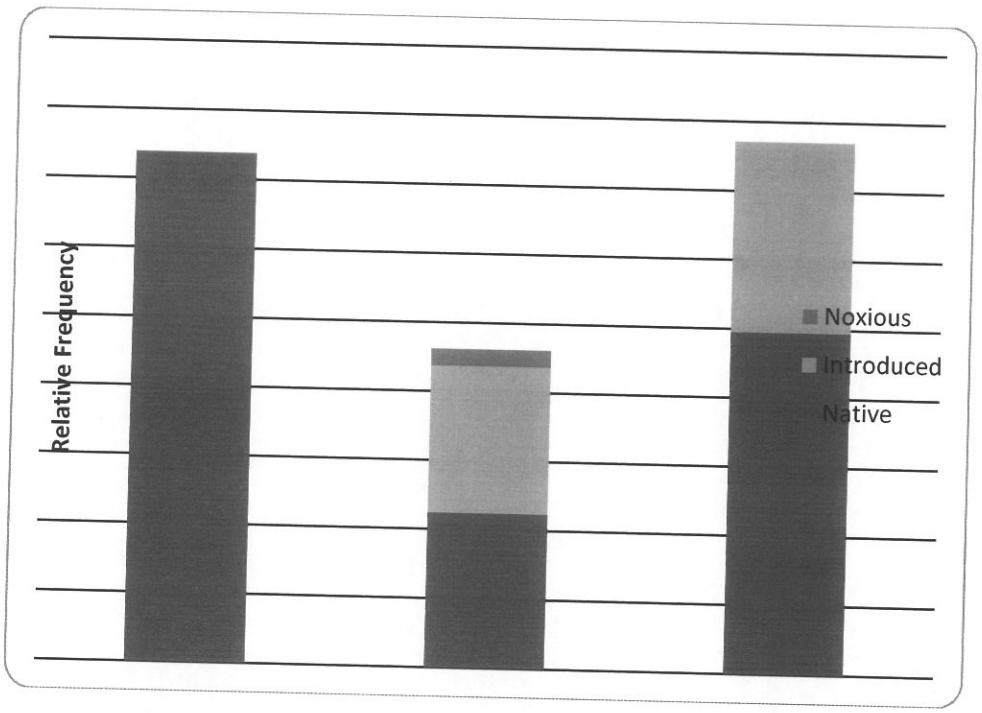


Figure 7. Relative frequency of native, introduced and noxious vegetation species by functional group along the greenline. Positive changes in riparian condition would show a decrease in the frequency of introduced and noxious vegetation and a corresponding increase in the frequency of native and hydric species.

E. Evaluation and Recommendations

The Integrated Riparian Inventory and Monitoring (IRIM) Team has proven effective in providing valuable riparian inventory and monitoring data to evaluate compliance with Forest Plan and AMP goals, objectives, standards and guidelines. Rapid assessment data collected from 2009 - 2011 sampling years has been incorporated into individual allotment EA's and allowed specialists to make more informed management

recommendations relative to each grazing allotment. Furthermore, the storage of all monitoring data in a centralized database has greatly increased the quality and accessibility of the data for further evaluation and inclusion in NEPA documents. Continued use of this monitoring and data handling strategy is recommended to efficiently meet Forest Plan and AMP monitoring requirements.

The GNF Riparian Working Group is currently working to refine the methods of interpretation and presentation for long-term monitoring data. Riparian vegetation data analysis products have been through several revisions over the last year as new information and methods have become available. Final direction on the riparian vegetation analysis methods was agreed upon in a February 16, 2012 meeting Consequently, the group will be meeting on April 4, 2012 to draft a template for an integrated channel morphology and riparian vegetation monitoring report. The template will provide a consistent approach to NEPA analyses and adaptive management (feedback from long-term monitoring) for range allotments. Continued development and use of this monitoring strategy is recommended to meet Forest Plan and AMP long-term monitoring requirements.

Travel Plan Monitoring Item No. 20	Grizzly Bear Secure Habitat

A. Applicable Direction

The grizzly bear (Yellowstone DPS) and the bald eagle (nation-wide) were both delisted in 2007 and reporting stopped at that time. However, in September 2009, an order was issued by the U.S. District Court for the District of Montana, which enjoined and vacated the delisting of the Yellowstone grizzly bear DPS. Due to its reinstatement as a threatened species, reporting requirements have been reinitiated for grizzly bear.

There are a number of Forest-wide goals, objectives, standards and guidelines in the Travel Plan FEIS (Chapter 1) in relation to access and secure habitat for the grizzly bear. These include: Goal G-1, Objective G-1 (Grizzly Bear Recovery), and all other direction for grizzly bear. Under Alternative 7-M, no additional programmatic direction was included for the grizzly bear, and some was dropped because the Gallatin National Forest will follow current applicable management direction (see summary description of Alt. 7-M in Chapter 2 of the FEIS).

Individual TPAs such as Lionhead, Cabin Creek, Hebgen Basin, and Taylor Fork have additional goals, objectives, standards and guidelines for grizzly bear or that may affect grizzly bear.

B. Introduction

The Gallatin completed a forest wide Travel Management Plan in 2006, and all changes in motorized access route configuration since that time have been under the direction of the Travel Plan. The Travel Plan specifically authorizes the construction of new temporary roads and/or reconstruction of existing or decommissioned roads to facilitate project activity. The 2006 Travel Management Plan decision was programmatic in nature and approved types and general locations of authorized access across the entire Forest. All ground-disturbing activities required in order to implement the Travel Plan; e.g. decommissioning of roads/trails no longer needed, construction/reconstruction of new or existing routes needed to create or bring facilities up to standard, and ground work necessary to convert facilities from one type of use to another, required additional analysis and documentation, which was included in the Travel Plan Implementation Environmental Assessment, with a separate decision signed for this document in 2009. During the time that we were in the process of completing the NEPA review for Travel Plan implementation (2006-2009), the only on-the-ground management actions conducted under the Travel Plan (South of I-90) involved construction, reconstruction and decommissioning of temporary roads associated with the Main Boulder Fuels Reduction project, which had its own separate NEPA document and decision.

Access management for the Main Boulder Fuels project is consistent with Travel Plan direction. This project has thus far included the construction of just under a mile (4,550 feet) of temporary road, in various segments between 100 – 500 feet in length. Of this, only 150 feet of temp road was constructed inside the grizzly bear recovery zone. The rest are outside the recovery zone, but within the distribution area for grizzly bears. All temp roads built for the project to date were constructed in 2007. The project includes one more segment (800 feet) of temp road inside the recovery zone, scheduled to be constructed in 2012.

Implementation for permanent changes to access management approved in the Travel Plan began in 2010, with construction/reconstruction of motorized trail segments (often creating connectors to existing routes) and decommissioning of roads no longer needed for management or recreational purposes. In 2010, new motorized route construction occurred inside the recovery zone, in the Hebgen Basin. Decommissioning in 2010 was concentrated in the Gallatin Range, outside the recovery zone, but within the distribution area for grizzly bears.

C. Monitoring Results

For monitoring results please refer to:

Dixon, B. 2012. Gallatin National Forest Annual Report. April 16, 2012. 10 pps.

D. Evaluation and Recommendations

For an evaluation refer to the paper cited above.

Travel Plan Monitoring Item #21	Implementation of Goals, Objectives, Standards and Guidelines

A. Monitoring Objectives and Procedure

1) Did we do what we said we would do in the Travel Plan related to this resource (Implementation Monitoring)?
2) Has what we've been doing been effective (Effectiveness Monitoring)?
3) Is our management direction valid or does something need to change (Validation Monitoring)?

Convene an implementation review team comprised of resource specialists (fish biologist, wildlife biologist, hydrologist, soil scientist, engineer, district ranger, and others as appropriate and conduct a field review of 10% (minimum of 2) of travel management projects to evaluate 1) whether Goals, Objectives, Standards and Guidelines were implemented; 2) when implemented, were they effective; and 3) do they remain valid? The team would have a checklist of the Goals, Objectives, Standards and Guidelines and would summarize results in a short report.

B. Introduction

On October 6, 2011 an Implementation Monitoring Review was held in to evaluate Gallatin Travel Management Plan implementation with a focus on a variety of travel plan work including trail rehabilitation/construction/improvements (Northern GNF ATV Trails Rehab contract) road decommissioning project work (2009 & 2010), aquatic passage (2010), road drainage improvements (2009 and 2010), flood damage (2011), and travel plan goals and objectives standard compliance. Attendees included Lauren Oswald, Wendi Urie, Clint Sestrich, Rachel Feigley, Kimberly Schlenker, Steve Christensen, Dale White, and Mark Story.

This review is consistent with Appendix B of the Gallatin NF Travel Plan (FEIS Appendix B-12) which calls for an Implementation review team to evaluate if the Travel Plan goals, objectives, standards, and guidelines were implemented and effective and still valid.

This monitoring review consisted of the following process:

Review and rate the Smith TPA road decommissioning, bridge and AOP replacement, and ATV trails rehab project, aquatic passage, and road drainage improvements for application and effectiveness of the following:
-Gallatin NF Road and Trail Improvement Projects DN & FONSI Standard Operating Procedures and Additional Mitigation
-Gallatin NF Travel Plan Goals, Objectives, Standards, and Guidelines.

Provide recommendations for future travel plan implementation in Smith TPA and as appropriate for the rest of the GNF.

C. Monitoring Results

The application and effectiveness rating system consisted of the following measures:

Application
5- operation exceeds requirements of objective or measure
4- operation meets requirements of objective or measure
3- minor departure from measure, objective marginally met
2- major departure from measure, objective sporadically met
1- gross neglect of measure, objective not met

Effectiveness
5- improved conditions over pre-project condition
4- adequate protection of resources, effective
3- minor and temporary impacts on resources, moderately effective
2- major and temporary or minor and prolonged impacts on resources or only slightly effective
1- major and prolonged impacts on resources or not effective

Gallatin NF Travel Plan Goals, Objectives, Standards, and Guidelines				
Rating item	source	apply	effect	comments
1. Goal D. Obj. D-1. Close and rehabilitate existing roads that are in excess to administration, recreation, and access needs.	GNF Travel Plan Detailed Descp of Decision FEIS pg. 1-11	4	4	-closed 25 miles in 09/10 -slash closure adjusted for livestock -D4 OHV Ranger presence effective in Smith Creek area
2. Shields Travel Plan area Goal 1: Provide opportunities for summer recreation use with an emphasis on motorized and mountain bike use in Smith Creek and non-motorized in upper Shields. Emphasize passenger car use along open roads Obj 1-3 – restore and designate old roads for motorized and mountain bike opportunities	GNF Travel Plan, Detailed Description of the decision Chapter II -164	3	4	-sign protocol not finalized or implemented yet -provide a non-sign tool to emphasize non-motorized recreation opportunities
3. Shields Travel Plan area Goal 3: Provide YCT habitat Obj 3-1 reduce road and trail sediment.	GNF Travel Plan, Detailed Description of the decision Chapter II -164	4	4	-extensive erosion reduction completed 09/10 -some AOP sites need seeding & mulching exposed soil area
4. Provide road and trail system that accommodated traffic with protecting soil and watershed conditions. Obj 4-1 repair damage to road and trail system and schedule maintenance to achieve non erosive conditions.	GNF Travel Plan, Detailed Description of the decision Chapter II -164	4	3	-East Fork and Smith Creek roads substantially improved since 2006 -ATV trail maintenance funds limited, need a consistent motorized trail maintenance budget
5. Standard D-5. Project Roads. Existing roads that were constructed for project use and not designated for motorized use	GNF Travel Plan FEIS pg. 1-11	4	4	

via the Forest Travel Plan are to remain closed to public (wheeled) motorized use.				
6. Goal E. Water Quality, Riparian, Fisheries and Aquatic Life. Manage a road and trail system that fully supports the protection of water quality, and habitat for fish, riparian dependent species, and other aquatic organisms.	GNF Travel Plan FEIS pg. 1-13 GNF Travel Plan, Detailed Description of the decision Chapter II -165	4	3	
7. Obj 4-2 interpretive/educational signing to use camp spots out of wet, muddy, and shrubby areas and keep vehicles 50' lakes and streams.	GNF Travel Plan, Detailed Description of the decision Chapter II -165	na	na	-this objective was met but not with signing -campsites not designated
8. In order to mitigate effects to wildlife during important times of year such as calving and fawning, wintering, road/trail work will be conducted from 7/15 to 10/15. Outside of important big game winter ranges, work in the late fall or winter may occur. Complete road/trail work in high elevation whitebark pine habitat by 9/1 to avoid conflicts with grizzly bear. (See Travel Plan Guideline I-1)	Road and Trail Work DN & FONSI p 25	4	4	-some trail construction may have occurred after 10/15 but before rifle hunting season so in compliance with "late fall" provision. -Districts should review road & trail contracts for implementation timing
9. Rare plants. All projects will be surveyed prior to construction for rare plants/habitats and appropriate mitigation will be planned if found	Road and Trail Work DN & FONSI p 27	3	4	-FS crews did general reconnaissance in 2009 but not as systematically as in 2010 or 2011.
10. If an affected area is within potential goshawk, surveys will be completed during the year work is planned. No ground disturbing activities from April 15 to August 15 to protect goshawk pairs and fledglings.	Road and Trail Work DN & FONSI p 28	3	4	Smith Ck has limited old growth so potential goshawk habitat limited. -FS crews did general reconnaissance but not as specifically as in 2011.
11. Road Restoration, Stabilization, and Decommissioning Treatment Type II: This treatment is for closing roads that may be reused in the future or for roads that will be decommissioned and of low risk for sediment production into stream courses. Remove road surface compaction by ripping road to 12" depth. Remove at risk culverts from drainages and remove road fills within drainage.	Road and Trail Work DN & FONSI p 24	4	4	-rip & slash treatments in Smith Creek done adequately

Plug and store ditch relief culverts for future use. Install frequent cross drains. Slash road surfaces. Seed any exposed soils. Block road entrances with an earthen berm, ripping and slashing, recountouring & slashing, or a mix.				
12. Road Restoration, Stabilization, and Decommissioning Treatment Type III: This treatment is used for closing roads and decommissioning them from the system. It may also be used on road segments that are at high risk for mass wasting into stream courses, even though the entire road may remain on the road system. Recontour the prism to original ground profile as close as practical. This is usually considered to be around ¾ of the original on this Forest. Remove all drainage structures and dispose of them. Remove all fills from drainages to as close to the original geometry as practical. Armor stream bottom if needed to prevent excessive erosion Slash open soils Seed open soils	Road and Trail Work DN & FONSI p 25	4	4	recontoring treatments in Smith Creek done adequately
13. Water, Fisheries and Aquatic Life. Road materials shall not be side-cast into streams or wetlands. (See Travel Plan Guideline E-7).	Road and Trail Work DN & FONSI p 25	4	4	-BMP's for revegetation could be improved at culvert crossings
14. Invasive Weeds. For projects scheduled to be implemented in 2010 and beyond, weed surveys of project areas shall be conducted at least 1 year prior to soil disturbance. If weeds are found, work with the district weed specialist to adjust project design or execution as needed to minimize the risk of spreading weeds. Any weed treatment shall be done at least one year in	Road and Trail Work DN & FONSI p 27	3	3	-weed treatments done before road decommissioning

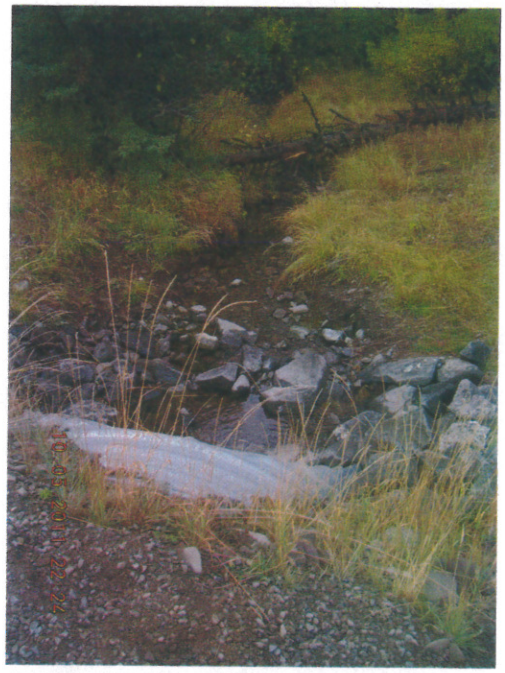
advance of soil disturbance work. For projects to be implemented in 2009, work shall be scheduled in late summer and fall such that weed surveys and any needed treatment can be done earlier in the summer.				
15. Visuals Scenery ("visuals") The visual quality objective for this area is "partial retention".	Forest Plan Standard. No specific standards for scenery were articulated by the travel plan decision.	4	4	-treatments generally not visually obtrusive -slashing highest visual impact -some roads closed with high cuts on stumps to keep slash elevation high –this treatment not appropriate for sensitive visual areas

Smith Creek road #991 section which was resurfaced in 2010.

Aquatic passage culvert installed in 2011 on Smith Creek road #991. The construction contract was not complete at the time of the review. Items yet to be completed include an additional grade control at the culvert inlet and surface erosion control

Waterbar installed in the East Fork Smith Creek road # 6635 in 2010. The combination of improved road drainage and spot surfacing crossings and road sections near streams has substantially reduced road sediment to the East Fork.

Section of the new ATV trail# 263 near Bitter Creek crossing. This section of was built in 2010.



Outlet of a new aquatic passage (AOP) culvert on a fork of Smith Creek on road #991. The weir at the outlet end of this culvert needs to be adjusted to reduce the outlet drop. The channel below the culvert was downcut about 0.5 to 1.0 ' in the snowmelt/rainfall event of May 2011. The stream evidently headcut up to the culvert outlet. Additional weirs could be place below the culvert to smooth out grade transition to the stream.

A curve of Stag Creek below the bridge on trail #263 was undercut during the snowmelt/rain runoff in May 2011.

The photo above of the Smith Creek crossing was during the high low of

Stag Creek bridge site at the trail #263 bridge site crossing. Fill for the bridge abutments was collected adjacent to the stream thereby creating a potential sediment source. Fill could be collected from designated non-streamside barrow areas and avoid stream sedimentation.

New bridge across Bitter Creek in ATV trail #263. This bridge is designed to also allow pickup trucks for administrative maintenance. The left photo shows the lack of trail fill material being flush with the top of the bridge. In the right photo bridge abutments are not sufficiently protected with rock. Recommended maintenance includes gravel placement at the top of the bridge to avoid the sharp grade transition. In addition, angular 1' to 2' rock should be placed under each corner of the bridge to augment the gabion abutments in

AOP culvert installed on East Fork road #6635 in 2010. Coarse riprap at the lower end of the culvert and rock weirs to reduce gradient have improved fish crossing capability. This culvert passed the 2011 May high flow event without damage.

Slash treatments were frequently used in the Smith Creek road decommissioning to block closed routes to motorized travel but without ripping and ground disturbance. The upper left photo is of a road spur near the Bitter Creek ATV bridge. The lower left photo along ATV trail #263 is intended to direct ATV use along the trail and not in the spur. Trees were cut about 3' off the ground so the trees would provide a more visible road closure treatment. The upper right photo is of a slash closure which was opened to a 36" width to allow livestock to access a grazing allotment pasture above the slash motorized

Left photo rip and seed spur to East Fork Smith Creek road #6635 which was ripped with an excavator in 2010. The excavator ripping is deeper that was done with a dozer in the right photo in 1995. The excavator ripping exceeded the decommissioning contract specifications but was judged to be effective in closing the road. Seed germination and revegetation

Buck and pole fence construction in 2010 was augmented with a road closure ditch barricade to prevent ATV use on trail #263 from driving up into the meadow behind the fence. Buck and pole fence closures have been useful as a road closure methodology in D4 and D6

D. Evaluation and Recommendations

Conclusions:

1. The review team consensus is that the road decommissioning was successful in meeting the GNF travel plan objectives by closing 25 miles of roads, reducing road source sediment to East Fork and Smith Creek, and providing an approximately 20 mile of ATV trail system of trails #130, #254, #255, and #263.

2. Several implementation items were rated as only moderately effective with minor and temporary impacts on resources due to some needed follow up construction fine tuning or future procedures including more weirs around some AOP culverts, reinforcement of ATV bridge abutments, better and standardized signing, improved erosion protection BMP's, and more systematic implementation of rare plant and goshawk mitigation measures.

3. As GNF Travel Plan facilities and activities are implemented, the GNF is adding maintenance inventory workload such as trail heads, trail section and bridges, signs, decommissioning closure maintenance, road improvements, and AOP maintenance.

3. Overall the Smith Creek drainage is in much better watershed condition that when many of the heavily roaded and logged sections were acquired in 1992. This is due to decommissioning of 53 miles of roads in the Smith Creek and Shields River areas in 1994/1995, AMP revisions, road improvements, AOP culverts, and revegetation and reforestation of historical logging units.

Recommendations:

1. Additional needed rehabilitation work noted by the review team included seeding exposed soil in two of the Smith Creek AOP the Creek bridge crossings, and reinforcing ATV bridge construction abutments (Bitter Creek bridge).

The Smith Creek culvert on Rd #991 was seeded and mulched by the culvert contractor in late October, however mulch was judged to be insufficient. Clint Sestrich added several weed free straw bales on 12/6/2011 which should insure sufficient erosion control while revegetation occurs in 2012.

2. Place emphasis on finalizing and implementation the road and trail sign protocol.

3. Standard Gallatin NF contract specifications should be developed and included for stream crossing road and trail construction areas including fords, bridges, and culverts. The speciation should include seeding all bare soil disturbed areas within 50' of a stream then covering with 1-2" of weed free straw mulch or erosion blankets. Followup weed treatments are recommended either by the culvert contractor or force account crews using approved seed mixes appropriate for the site

4. Standard Gallatin NF contract specifications for bridges and culvert installation should include designated barrow areas with at least 25' of vegetative buffering from streams.

5. Weed encroachment into treated areas poses an increasing constraint to decommissioning of GNF roads. Future GNF road decommissioning projects should be more aggressive in following weed management practices in FSM 2080, in the Gallatin NF Weed EIS mitigation measures, and in the Gallatin NF Roads and Trails EA.

- To the extent possible, areas to be decommissioned should be inventoried for weeds and treated up to 3 years prior to decommissioning in order to minimize noxious weeds which could be stimulated from the decommissioning.

- It is important to understand the vulnerability and exposure of road decommissioning treatment areas to weed expansion.

- For treatment areas where weeds are increased, persist in weed treatments as long as necessary.

- To the extent possible and practical, in heavily weed infested areas, minimize the length or road segments that are ripped or recontoured. Often only a relatively short length of segment needs to be treated to effectively close a road.

6. Mitigation measure and contract provisions for Travel Plan implementation construction projects should develop a mitigation synopsis by SO design staff in coordination with District staff. The mitigation synopsis could then be used by both COR's and inspectors and District staff in understanding the construction design and subsequent maintenance.

7. Outyear CMRD, CMTL, CMLG and consolidated NFRR funds should be planned and allocated for Travel Plan related road and trail maintenance, road closure reinforcement, weed treatments, and sign maintenance.

8. Goshawk surveys in May/June could result in delay of actual construction of Travel Plan contracts to August 15 if an active Goshawk nest is documented. Alert contract preparation staff if the project area has potential Goshawk nesting habitat and potential contractors of the possibility of a no sooner than 8/15 startup date around nest areas.

9. Consider 5 year follow-up reviews of for some of the previously reviewed travel plan areas.

These could include Bangtails TPA in 2014, Mill Creek in 2015, and Smith Creek in 2016.