

PROPER FUNCTIONING CONDITION

Name of Riparian-Wetland Area: RAYMOND CANYON WATERSHED Date: JUNE 20, 1994 Segment/Reach ID: MAIN FORK OF RAYMOND CANYON Miles: 2 Acres: _____ ID Team Observers: JOHN HENDERSON, DENNIS DONCASTER, ED FEELEY, GAVIN LOVELL, JEFF SHRYER, DORI HELIG, BERNIE WEYNAND, CARL BEZANSON

H	YES	NO	NA	HYDROLOGIC
1	X			Floodplain inundated in "relatively frequent" events (1-3 years)
2		X		Active/stable beaver dams
3		X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4		X		Riparian zone is widening
5	X			Upland watershed not contributing to riparian degradation

V	YES	NO	NA	VEGETATIVE
1		X		Diverse age structure of vegetation
2		X		Diverse composition of vegetation
3		X		Species present indicate maintenance of riparian soil moisture characteristics
4		X		Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5		X		Riparian plants exhibit high vigor
6		X		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7	X			Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES	NO	NA	EROSION DEPOSITION
1		X		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2		X		Point bars are revegetating
3		X		Lateral stream movement is associated with natural sinuosity
4		X		System is vertically stable
5		X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H-2: NO ACTIVE OR STABLE BEAVER DAMS. H-3: THE SYSTEM IS OUT OF BALANCE. H-4: THE SYSTEM IS DOWN CUT AND THERE IS NO RIPARIAN ZONE.
V-1: ALL YOUNG PLANTS. V-2: ALL YOUNG PLANTS, NO DIVERSITY. V-3: NO RIPARIAN SPECIES FOUND. V-4: WILLOWS JUST STARTING TO SHOW UP; LOWER REACH HAS MORE DIVERSE FLORA. V-5: THERE ARE NO RIPARIAN SPECIES. V-6: SAME AS V-5; LAST ½ MILE HAS A MORE DIVERSE RIPARIAN FLORA. V-7: THERE IS COARSE SMALL SHRUBS PRESENT, MOSTLY SAGEBRUSH.
E-1: STRAIGHT DOWN CUT. E-2: JUST WEEDS. E-3: STILL DOWN CUTTING. E-4: STILL DOWN CUTTING; LAST ½ MILE IN BETTER SHAPE. E-5: EXCESSIVE BANK EROSION.

SUMMARY DETERMINATION

Functional Rating: _____ (last ½ mile)

Proper Functioning Condition

Function--At Risk XX Nonfunctional XX
 Unknown

Trend for Functional--At Risk Upward XX Not Apparent XX

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
 No XX

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: RAYMOND CANYON WATERSHED Date: JUNE 20, 1994 Segment/Reach ID: NORTH FORK, SEGMENT TO THE CONFLUENCE OF THE FIRST MAJOR CREEK FLOWING IN FROM THE NORTH ON SECTION 33

Miles: 2/3 (.66) Acres: _____ ID Team Observers: JOHN HENDERSON, DENNIS DONCASTER, ED FEELEY, GAVIN LOVELL, JEFF SHRYER, DORI HELIG, BERNIE WEYNAND, CARL BEZANSON

H	YES	NO	NA	HYDROLOGIC
1	X			Floodplain inundated in "relatively frequent" events (1-3 years)
2		X		Active/stable beaver dams
3		X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4	/	\		Riparian zone is widening
5	/	\		Upland watershed not contributing to riparian degradation
V	YES	NO	NA	VEGETATIVE
1	/	\		Diverse age structure of vegetation
2	/	\		Diverse composition of vegetation
3	X			Species present indicate maintenance of riparian soil moisture characteristics
4	X			Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5		X		Riparian plants exhibit high vigor
6		X		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7	X			Plant communities in the riparian area are an adequate source of coarse and/or large woody debris
E	YES	NO	NA	EROSION DEPOSITION
1		X		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2	X			Point bars are revegetating
3	X			Lateral stream movement is associated with natural sinuosity
4		X		System is vertically stable
5		X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H3: EXCESSIVE SEDIMENT, WIDTH/DEPTH RATION OFF.
H4: SOME POINT BARS FORMING AND VEGETATING.
V1: MORE INTERMEDIATE AGE GROUPS.
V2: MORE DIVERSITY IN FORM OF SHRUBS.
V5: STILL TOO MUCH USE TO PROMOTE VIGOR.
V6: NOT ENOUGH COVER PRESENT.
E1: DOWN CUTTING IN THE CHANNEL.
E5: HIGH FLOWS PRODUCING TOO MUCH SEDIMENT, RAW BANKS PRESENT.

SUMMARY DETERMINATION

Functional Rating:

Proper Functioning Condition

Function--At Risk X Unknown

Trend for Functional--At Risk Upward Downward Not Apparent X

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes

No X

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: RAYMOND CANYON WATERSHED Date: JUNE 20, 1994 Segment/Reach ID: NORTH FORK, SEGMENT ABOVE CONFLUENCE OF FIRST MAJOR CREEK IN SECTION 33 TO BEAVER DAMS IN SECTION 3
Miles: 1 Acres: _____ ID Team Observers: JOHN HENDERSON, DENNIS DONCASTER, ED FEELEY, GAVIN LOVELL, JEFF SHRYER, DORI HELIG, BERNIE WEYNAND, CARL BEZANSON

H	YES	NO	NA	HYDROLOGIC
1	X			Floodplain inundated in "relatively frequent" events (1-3 years)
2		X		Active/stable beaver dams
3		X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4		X		Riparian zone is widening
5		X		Upland watershed not contributing to riparian degradation
V	YES	NO	NA	VEGETATIVE
1		X		Diverse age structure of vegetation
2	/	\		Diverse composition of vegetation
3		X		Species present indicate maintenance of riparian soil moisture characteristics
4		X		Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5		X		Riparian plants exhibit high vigor
6		X		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7	X			Plant communities in the riparian area are an adequate source of coarse and/or large woody debris
E	YES	NO	NA	EROSION DEPOSITION
1		X		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2	NA	NA	NA	Point bars are revegetating
3		X		Lateral stream movement is associated with natural sinuosity
4	X			System is vertically stable
5		X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H3: TRAMPLED, DOWN CUTTING

H4: BANK TRAMPLE

H5: OVER GRAZING NEXT TO STREAM

V1: ALL YOUNG PLANTS IF PRESENT

V2: MORE POA, LESS SEDGE, A FEW MORE WILLOWS

V3: POA MORE PREVALENT

V4: MORE POA THAN OTHER SPECIES

V5: OVER GRAZING

V6: LOTS OF BARE BANKS, TRAMPLE, AND POA

E1: RAW BANKS, TRAMPLE

E2: TRAMPLE

E3: EXCESSIVE RAW BANKS, WIDTH/DEPTH RATIO OUT OF KILTER, TRAMPLE

SUMMARY DETERMINATION

Functional Rating: Proper Functioning Condition _Function--At Risk X Unknown

Trend for Functional--At Risk Upward Downward X Not Apparent

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes

No X

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: RAYMOND CANYON WATERSHED Date: JUNE 20, 1994 Segment/Reach ID: NORTH FORK, SEGMENT AT HEAD OF WATERSHED, ABOVE BEAVER DAMS AND BELOW SPRING JUST OFF THE IGO SPEEDWAY IN SECTION 3, T26N, R119W

Miles: .5 Acres: _____ ID Team Observers: JOHN HENDERSON, DENNIS DONCASTER, ED FEELEY, GAVIN LOVELL, JEFF SHRYER, DORI HELIG, BERNIE WEYNAND, CARL BEZANSON

H	YES	NO	NA	HYDROLOGIC
1	X			Floodplain inundated in "relatively frequent" events (1-3 years)
2	/	\		Active/stable beaver dams
3		X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4		X		Riparian zone is widening
5		X		Upland watershed not contributing to riparian degradation
V	YES	NO	NA	VEGETATIVE
1		X		Diverse age structure of vegetation
2	X/	\		Diverse composition of vegetation
3	X			Species present indicate maintenance of riparian soil moisture characteristics
4	/	\		Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5		X		Riparian plants exhibit high vigor
6		X		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7			X	Plant communities in the riparian area are an adequate source of coarse and/or large woody debris
E	YES	NO	NA	EROSION DEPOSITION
1		X		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2			X	Point bars are revegetating
3		X		Lateral stream movement is associated with natural sinuosity
4	X			System is vertically stable
5		X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H2: A FEW STABLE, MOST OLD, NOT HOLDING, NO ACTIVE
H3: TRAMPLED BANK, V-BOTTOM CHANNEL, WIDTH-DEPTH RATIO OFF, NO OPPORTUNITY TO WIDEN
H4: UPLANDS OVERGRAZED NEXT TO CHANNEL
H5: NO AGE CLASS DIFFERENCES, HEAVY USE
V2: MORE SPECIES COULD BE HERE, CAREX- SEDGES-NO WILLOWS
V4: HIGH AMOUNT OF POA
V5: HEAVY USE
V6: LOW NUMBER OF SPECIES PRESENT
V7: NA
E1: NARROW CANYON, EXPOSED BANK, BANK TRAMPLE
E3: SAME AS E1
E5: EXCESSIVE BANK EROSION

SUMMARY DETERMINATION

Functional Rating: Proper Functioning Condition Function--At Risk X Unknown

Trend for Functional--At Risk Upward Downward X Not Apparent

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
No X

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: HUFF CREEK , INCLUDES EXCLOSURES Date: JUNE 23, 1994 Segment/Reach ID:
LOWER HUFF CREEK, PRIVATE TO PRIVATE, SECTIONS 27, 34, T28N, 3 AND 10, T28N, R119W
Miles: 3 Acres: _____ ID Team Observers: DENNIS DONCASTER, JOHN HENDERSON, ED FEELEY,
PAT NETHERLY, BECKY HEICHT

H	YES	NO	NA	HYDROLOGIC
1	X			Floodplain inundated in "relatively frequent" events (1-3 years)
2		X		Active/stable beaver dams
3	X			Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4	X			Riparian zone is widening
5	X			Upland watershed not contributing to riparian degradation
V	YES	NO	NA	VEGETATIVE
1	X			Diverse age structure of vegetation
2	X			Diverse composition of vegetation
3	X			Species present indicate maintenance of riparian soil moisture characteristics
4	X			Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5	X			Riparian plants exhibit high vigor
6	X			Adequate vegetative cover present to protect banks and dissipate energy during high flow
7			X	Plant communities in the riparian area are an adequate source of coarse and/or large woody debris
E	YES	NO	NA	EROSION DEPOSITION
1	X			Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2	X			Point bars are revegetating
3	X			Lateral stream movement is associated with natural sinuosity
4	X			System is vertically stable
5	X			Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H2: BEAVER DAMS, OLD, SOME STABLE, NO ACTIVE DAMS, SOME RAW BANKS, WITHIN ACCEPTABLE LEVELS

SUMMARY DETERMINATION

Functional Rating:

Proper Functioning Condition X
Function--At Risk

Unknown

Trend for Functional--At Risk Upward Downward _ Not Apparent

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
No

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: HUFF CREEK Date: JUNE 23, 1994 Segment/Reach ID: MIDDLE HUFF CREEK, SECTION 15 AND 16, ABOVE PRIVATE AND BELOW LARGE MEADOW IN SECTION 15, T27N, R119W
Miles: 2 Acres: _____ ID Team Observers: DENNIS DONCASTER, JOHN HENDERSON, ED FEELEY, PAT NETHERLY, BECKY HEICHT

H	YES	NO	NA	HYDROLOGIC
1	X			Floodplain inundated in "relatively frequent" events (1-3 years)
2	/	\		Active/stable beaver dams
3		X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4	X			Riparian zone is widening
5	X			Upland watershed not contributing to riparian degradation

V	YES	NO	NA	VEGETATIVE
1	X			Diverse age structure of vegetation
2	X			Diverse composition of vegetation
3	X			Species present indicate maintenance of riparian soil moisture characteristics
4	X			Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5	X			Riparian plants exhibit high vigor
6	/	\		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7			X	Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES	NO	NA	EROSION DEPOSITION
1	/	\		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2	X			Point bars are revegetating
3	X			Lateral stream movement is associated with natural sinuosity
4	/	\		System is vertically stable
5	/	\		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H2: STABLE, NOT ACTIVE
H3: WIDENING, BUILDING FLOOD PLAIN, WIDTH-DEPTH RATIO NOT IN BALANCE
V2: WILLOWS COMING IN
V6: ENOUGH BARE BANKS ON BENDS, EARLY IN PROCESS, TRAMPLING
E1: REESTABLISHING FLOOD PLAIN
E4: HEAD CUT IN MEADOW
E5: NOT IN BALANCE, REESTABLISHING FLOOD PLAIN
IE: MEADOWS SHOULD BE PROTECTED FROM GRAZING

SUMMARY DETERMINATION

Functional Rating:
Proper Functioning Condition Function--At Risk X Unknown

Trend for Functional--At Risk Upward X Downward Not Apparent
Are factors contributing to unacceptable conditions outside BLM's control or management?
Yes
No XX

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: HUFF CREEK Date: JUNE 23, 1994 Segment/Reach ID: UPPER HUFF CREEK, ABOVE LARGE MEADOW IN SECTION 15 TO HUFF LAKE IN SECTION 22, T27N, R119W

Miles: 1 Acres: _____ ID Team Observers: DENNIS DONCASTER, JOHN HENDERSON, BECKY HEICHT

H	YES	NO	NA	HYDROLOGIC
1	X			Floodplain inundated in "relatively frequent" events (1-3 years)
2	/	\		Active/stable beaver dams
3	/	\		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4	/	\		Riparian zone is widening
5		X		Upland watershed not contributing to riparian degradation

V	YES	NO	NA	VEGETATIVE
1		X		Diverse age structure of vegetation
2		X		Diverse composition of vegetation
3	/	\		Species present indicate maintenance of riparian soil moisture characteristics
4	/	\		Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5	X			Riparian plants exhibit high vigor
6		X		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7	X			Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES	NO	NA	EROSION DEPOSITION
1	X			Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2			X	Point bars are revegetating
3	X			Lateral stream movement is associated with natural sinuosity
4		X		System is vertically stable
5		X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H2: MOST DAMS INACTIVE, MOST STABLE
H3: CHANNEL AGRADING, HAS NOT REESTABLISHED CHANNEL
H4: CHANNEL IS WIDENING VERY SLOWLY
H5: GEOLOGIC CONDITIONS ON WEST SIDE
V1: DIVERSITY NOT THERE
V2: EARLY SERAL
V3: AREAS WITH SEDGES AND RUSHES
V4: BEAVER DAMS RE-VEGETATING
V5: PLANTS THAT ARE PRESENT SHOW HIGH VIGOR
V6: EARLY SERAL
E2: POINT BARS ARE NOT REVEGETATING
E4: AGRADING
E5: AGRADING

SUMMARY DETERMINATION

Functional Rating: Proper Functioning Condition Function--At Risk X Unknown

Trend for Functional--At Risk Upward X Downward Not Apparent

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes XX Augmented flows X Other (specify) GEOLOGIC EROSION OFF RAYMOND MOUNTAIN, LARGE OUTWASH PLAINS OF MATERIAL

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: HUFF CREEK Date: _____ Segment/Reach ID: WEST DRAINAGE IN

SECTION 9, T27N, R119W, WEST OF PRIVATE LAND

Miles: 2 Acres: _____ ID Team Observers: ED FEELEY, PAT NETHERLY

H	YES	NO	NA	HYDROLOGIC
1	X			Floodplain inundated in "relatively frequent" events (1-3 years)
2	X			Active/stable beaver dams
3	X			Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4	X			Riparian zone is widening
5	X			Upland watershed not contributing to riparian degradation

V	YES	NO	NA	VEGETATIVE
1	X			Diverse age structure of vegetation
2	X			Diverse composition of vegetation
3	X			Species present indicate maintenance of riparian soil moisture characteristics
4	X			Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5	X			Riparian plants exhibit high vigor
6	X			Adequate vegetative cover present to protect banks and dissipate energy during high flow
7	X			Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES	NO	NA	EROSION DEPOSITION
1	X			Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2			X	Point bars are revegetating
3			X	Lateral stream movement is associated with natural sinuosity
4	X			System is vertically stable
5	X			Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

STEEP V-BOTTOM CHANNEL, JUNGLE TYPE GROWTH, LARGE COARSE, ROCKY MATERIAL, NO INDICATION OF GRAZING, CATTLE CAN'T REACH THE WATER, LOTS OF GEOLOGIC EROSION, BEAVER DAMS IN LOWER REACH OF STREAM, ABOVE WHERE IT SUBS
LOWER 200 YARDS AT RISK DUE TO LARGE HEAD CUTS IN COARSE MATERIAL, ON PRIVATE LAND

SUMMARY DETERMINATION

Functional Rating: LAST 200 YARDS Proper Functioning Condition X Function--At Risk X Unknown

Trend for Functional--At Risk Upward X Downward Not Apparent

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes X

No

If yes, what are those factors?

 Flow regulations Mining activities Upstream channel conditions

 Channelization Road encroachment Oil field water discharge

 Augmented flows X Other (specify) SEVERE HEAD CUT IN COARSE MATERIAL ON PRIVATE LAND

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: HUFF CREEK, CLIFF CREEK Date: JUNE 23, 1994 Segment/Reach ID: UPPER CLIFF CREEK, TRIBUTARY TO HUFF CREEK, SECTIONS 10 AND 2, T27N, R119W
 Miles: 1.25 Acres: _____ ID Team Observers: DENNIS DONCASTER, JOHN HENDERSON, BECKY HEICHT

H	YES	NO	NA	HYDROLOGIC
1	X			Floodplain inundated in "relatively frequent" events (1-3 years)
2	X			Active/stable beaver dams
3	/	\		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4	X			Riparian zone is widening
5	X			Upland watershed not contributing to riparian degradation

V	YES	NO	NA	VEGETATIVE
1	X			Diverse age structure of vegetation
2	X			Diverse composition of vegetation
3	X			Species present indicate maintenance of riparian soil moisture characteristics
4	X			Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5	X			Riparian plants exhibit high vigor
6	X			Adequate vegetative cover present to protect banks and dissipate energy during high flow
7	X			Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES	NO	NA	EROSION DEPOSITION
1	X			Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2	X			Point bars are revegetating
3	/	\		Lateral stream movement is associated with natural sinuosity
4	/	\		System is vertically stable
5	X			Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H3: GOOD FOR THE MOST PART, SOME TRAMPLE AND SMALL HEAD CUTS
 E3: SOME TRAMPLING BUT THE CHANNEL IS CONTROLLED BY GEOLOGY
 E4: SEVERAL SLOW MOVING HEAD CUTS, HIGH ROCK CONTENT IS SUBSTRATE

VEGETATION IS A KEY COMPONENT. UTILIZATION SHOULD BE WATCHED CLOSELY. REMOVAL OF TOO MUCH COULD CAUSE A DECREASE TO "AT RISK"

SUMMARY DETERMINATION

Functional Rating: Proper Functioning Condition X Function--At Risk ___ Unknown ___
 Trend for Functional--At Risk Upward _ Downward ___ Not Apparent ___

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes ___
 No X

PROPER FUNCTIONING CONDITION

Name of Riparian-Wetland Area: HUFF CREEK, CLIFF CREEK Date: JUNE 23, 1994 Segment/Reach ID: LOWER CLIFF CREEK, SECTION 2, T27N, R119W, AND SECTION 34, T28N, R119W

Miles: 1 Acres: _____ ID Team Observers: DENNIS DONCASTER, BECKY HEICHT, JOHN HENDERSON

H	YES	NO	NA	HYDROLOGIC
1	/	\		Floodplain inundated in "relatively frequent" events (1-3 years)
2		X		Active/stable beaver dams
3		X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4	X			Riparian zone is widening
5	X			Upland watershed not contributing to riparian degradation

V	YES	NO	NA	VEGETATIVE
1	X			Diverse age structure of vegetation
2	X			Diverse composition of vegetation
3	X			Species present indicate maintenance of riparian soil moisture characteristics
4	X			Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5	/	\		Riparian plants exhibit high vigor
6	/	\		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7		X		Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES	NO	NA	EROSION DEPOSITION
1	/	\		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2	X			Point bars are revegetating
3	X			Lateral stream movement is associated with natural sinuosity
4		X		System is vertically stable
5		X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H1: MOST PORTIONS HAVE FLOOD PLAIN ACCESS. SEVERAL HEAD CUTS

H2: NO ACTIVE. SOME STABLE DAMS

H3: ACTIVE HEAD CUTS

V5: MANY SECTIONS ARE EARLY SERAL AND ARE GRAZED HEAVILY IN PLACES

V6: SEVERAL AREAS ARE ERODING AND DENUDED. OTHER AREAS LACK ADEQUATE VEG.

V7: WILLOW COMPONENT IS MISSING AND COULD BE THERE. BEAVER HAVE REMOVED MOST OF THE NEARBY ASPEN THOUGH REVEGETATION IS OCCURRING

E1: PORTIONS OF THE CHANNEL ARE OK, BUT NOT AT HEAD CUTS.

E4: HEAD CUTS

E5: HEAD CUTS

LAST 200 - 300 FEET ABOVE CONFLUENCE AT HUFF CREEK IS PFC

Functional Rating:

Proper Functioning Condition Function--At Risk X Unknown

Trend for Functional--At Risk Upward Downward Not Apparent X TO DOWNWARD

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes

No X

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

H	YES	NO	NA	HYDROLOGIC
1		X		Floodplain inundated in "relatively frequent" events (1-3 years)
2		X		Active/stable beaver dams
3		X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4		X		Riparian zone is widening
5	X			Upland watershed not contributing to riparian degradation
V	YES	NO	NA	VEGETATIVE
1		X		Diverse age structure of vegetation
2		X		Diverse composition of vegetation
3		X		Species present indicate maintenance of riparian soil moisture characteristics
4		X		Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5		X		Riparian plants exhibit high vigor
6		X		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7		X		Plant communities in the riparian area are an adequate source of coarse and/or large woody debris
E	YES	NO	NA	EROSION DEPOSITION
1		X		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2	X			Point bars are revegetating
3	X			Lateral stream movement is associated with natural sinuosity
4		X		System is vertically stable
5		X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H1: CUTTING, SOME BAR FORMING BUT UNSTABLE

H2: BLOWN OUT DAMS,

H3: SEE H1

H4: SEE H1

V1 - V7: ACTIVE CUTTING, LITTLE TO NO VEGETATION

E1: SEE H1

E4: SEE H1

E5: SEE H1

¼ MILE STRETCH ¼ MILE FROM CONFLUENCE RAYMOND CREEK GEOLOGICALLY CONSTRAINED (FUNCTIONING AT RICK N/A)

SUMMARY DETERMINATION

Functional Rating: Proper Functioning Condition Function--At Risk Non-functional Unknown

Trend for Functional--At Risk

Upward
Downward
Not Apparent

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
No

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: RAYMOND CANYON Date: JUNE 21, 1994 Segment/Reach ID: EAST FORK OF SOUTH RAYMOND CREEK, SECTIONS 3 & 4, T26N, R119W

Miles: A-.25, B-.33 Acres: _____ ID Team Observers: JOHN HENDERSON, CARL BEZANSON, GAVIN LOVELL

H	YES	NO	NA	HYDROLOGIC
1	AB			Floodplain inundated in "relatively frequent" events (1-3 years)
2		AB		Active/stable beaver dams
3	B	A		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4	B	A		Riparian zone is widening
5	AB			Upland watershed not contributing to riparian degradation
V	YES	NO	NA	VEGETATIVE
1	B	A		Diverse age structure of vegetation
2	B	A		Diverse composition of vegetation
3	B,A	A		Species present indicate maintenance of riparian soil moisture characteristics
4	B	A		Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5	B,A	A		Riparian plants exhibit high vigor
6	B	A		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7	B,A	A		Plant communities in the riparian area are an adequate source of coarse and/or large woody debris
E	YES	NO	NA	EROSION DEPOSITION
1	AB			Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2	B,A	A		Point bars are revegetating
3			AB	Lateral stream movement is associated with natural sinuosity
4	AB			System is vertically stable
5	B	A		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

A SECTION
H2: OLD BEAVER DAMS
H3: WIDE
H4: NO EVIDENCE OF RECENT RIPARIAN EXPANSION
V1 & V2: LACKING WOODYS AND SEDGES, EARLY AGE CLASSES
V3: SOME SPECIES ARE WETLAND DEPENDENT
V4: MOSTLY POA
V5: LOW VIGOR IN MOST SPECIES
V6: TRAMPLED AND BARE BANKS
V7: FAIR SOURCE OF TREE SPECIES
E2: SOME EVIDENCE IN PLACES
E5: EXCESSIVE BANK EROSION AND TRAMPLING

SUMMARY DETERMINATION

Functional Rating:

Proper Functioning Condition B Function--At Risk A

Trend for Functional--At Risk Upward Downward A Not Apparent

Are factors contributing to unacceptable conditions outside BLM's control or management? Yes No X

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: MILL CREEK Date: JUNE 22, 1994 Segment/Reach ID: SOUTH FORK OF MILL CREEK, UPPER SECTION, SECTIONS 27 AND 28, T26N, R119W
Miles: 1 Acres: _____ ID Team Observers: JOHN HENDERSON AND GAVIN LOVELL

H	YES	NO	NA	HYDROLOGIC
1	X			Floodplain inundated in "relatively frequent" events (1-3 years)
2		X		Active/stable beaver dams
3		X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4		X		Riparian zone is widening
5		X		Upland watershed not contributing to riparian degradation
V	YES	NO	NA	VEGETATIVE
1		X		Diverse age structure of vegetation
2		X		Diverse composition of vegetation
3	X			Species present indicate maintenance of riparian soil moisture characteristics
4		X		Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5		X		Riparian plants exhibit high vigor
6		X		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7	X			Plant communities in the riparian area are an adequate source of coarse and/or large woody debris
E	YES	NO	NA	EROSION DEPOSITION
1	/	\		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2		X		Point bars are revegetating
3	X			Lateral stream movement is associated with natural sinuosity
4		X		System is vertically stable
5		X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H2: MANY WASHED OUT BEAVER DAMS
H3: SHOULD BE NARROWER
H4: NO NEW GROWTH
H5: NARROW CANYON, STEEP SIDES ARE ERODING
V1 & V2: EARLY SERAL
V4: SOME AND V1 & V2
V6: MANY BARE BANKS
E1: LOTS OF LWD BUT IT IS NOT STOPPING THE EROSION
E4: SEVERAL HEAD CUTS
E5: EXCESSIVE EROSION IN PLACES
THIS STREAM SEGMENT IS INTERRUPTED, PROBABLY DUE TO SEVERAL YEARS OF DROUGHT. SIGNIFICANT NUMBERS OF OLD BEAVER DAMS INDICATE THE STREAM IS USUALLY PERENNIAL.

SUMMARY DETERMINATION

Functional Rating: Proper Functioning Condition Function--At Risk X Unknown
Trend for Functional--At Risk Upward Downward X Not Apparent
Are factors contributing to unacceptable conditions outside BLM's control or management?
Yes
No X

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: MILL CREEK Date: JUNE 22, 1994 Segment/Reach ID: SOUTH FORK OF MILL CREEK, CENTER REACH, SECTION 26, T26N, R119W
Miles: .5 Acres: _____ ID Team Observers: JOHN HENDERSON AND GAVIN LOVELL

H	YES	NO	NA	HYDROLOGIC
1	X			Floodplain inundated in "relatively frequent" events (1-3 years)
2		X		Active/stable beaver dams
3		X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4		X		Riparian zone is widening
5		X		Upland watershed not contributing to riparian degradation
V	YES	NO	NA	VEGETATIVE
1		X		Diverse age structure of vegetation
2		X		Diverse composition of vegetation
3		X		Species present indicate maintenance of riparian soil moisture characteristics
4		X		Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5		X		Riparian plants exhibit high vigor
6		X		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7		/	\	Plant communities in the riparian area are an adequate source of coarse and/or large woody debris
E	YES	NO	NA	EROSION DEPOSITION
1	/	\		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2		X		Point bars are revegetating
3		X		Lateral stream movement is associated with natural sinuosity
4		X		System is vertically stable
5		X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H2: NO ACTIVE OR STABLE BEAVER DAMS
H3: STREAM HAS LARGE HEAD CUTS WITH NO SINUOSITY AT CURRENT. STREAM WIDTH/DEPTH RATIO IS NOT IN BALANCE, IT IS DENUDED AND WIDER THAT SYSTEM IS CAPABLE OF
H4: NO RIPARIAN ZONE AT ALL IN MAJORITY OF THIS STRETCH
H5: SEVERELY TRAMPLED AND GRAZED UPLAND AREAS CONTRIBUTING SEDIMENT AND VELOCITY TO STREAM
V1-V4: NO RIPARIAN PLANTS
V6: NO VEGETATIVE COVER AT ALL
V6: NO SOURCE OF WOODY'S
E2: NO PROGRESS TOWARD REVEGETATION (SEVERE GRAZING PRESSURE CURRENTLY TAKING PLACE)
E3: IS STILL SLUMPING AND ERODING HAS NOT YET STARTED TO DEFINE CHANNEL
E4: HEAD CUTS AND BANK SLUMP
E5: UPLANDS CONTRIBUTING AS WELL AS STREAM CHANNEL SEVERELY ERODING AND CAUSING DEPOSITION

SUMMARY DETERMINATION

Functional Rating:

Proper Functioning Condition Function--At Risk Non-functional Unknown

Trend for Functional--At Risk Upward Downward Not Apparent

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
No X

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: MILL CREEK Date: JUNE 22, 1994 Segment/Reach ID: SOUTH FORK OF MILL CREEK, LOWER SECTION TO CONFLUENCE OF NORTH FORK OF MILL CREEK
Miles: 1 Acres: _____ ID Team Observers: JOHN HENDERSON AND GAVIN LOVELL

H	YES	NO	NA	HYDROLOGIC
1	X			Floodplain inundated in "relatively frequent" events (1-3 years)
2	/	\		Active/stable beaver dams
3		X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4	/	\		Riparian zone is widening
5		X		Upland watershed not contributing to riparian degradation
V	YES	NO	NA	VEGETATIVE
1		X		Diverse age structure of vegetation
2		X		Diverse composition of vegetation
3	X			Species present indicate maintenance of riparian soil moisture characteristics
4	/	\		Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5	/	\		Riparian plants exhibit high vigor
6		X		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7				Plant communities in the riparian area are an adequate source of coarse and/or large woody debris
E	YES	NO	NA	EROSION DEPOSITION
1		X		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2	X			Point bars are revegetating
3	X			Lateral stream movement is associated with natural sinuosity
4		X		System is vertically stable
5		X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H2: JUST ONE ACTIVE WITH MANY INACTIVE
H3: TOO WIDE AND SHALLOW
H4: SOME AREAS ARE, SOME ARE NOT
H5: NEARBY UPLANDS ARE ERODING
V1 - V2: MOSTLY EARLY SERAL VEGETATION
V6: 50/50 MANY SLUFFING BANKS & EROSION EVIDENT, SOME HEAD CUTTING
E1: ONLY ONE GEOLOGICALLY CONTROLLED AREA PROVIDED ENOUGH PERMANENT STABILITY
E4: MANY HEAD CUTS PRESENT
E5: QUITE A BIT OF EROSION ON BANKS Laterally AND VERTICALLY

SUMMARY DETERMINATION

Functional Rating:
Proper Functioning Condition Function--At Risk X Unknown
Trend for Functional--At Risk Upward Downward X Not Apparent
Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
No X

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: MILL CREEK Date: JUNE 22, 1994 Segment/Reach ID: STATE SECTION ON NORTH FORK OF MILL CREEK, SECTION 16, T26N.R119W
Miles: .66 Acres: _____ ID Team Observers: DENNIS DONCASTER, JEFF SHRYER, CARL BEZANSON

H	YES	NO	NA	HYDROLOGIC
1	X			Floodplain inundated in "relatively frequent" events (1-3 years)
2		X		Active/stable beaver dams
3	/	\		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4	X			Riparian zone is widening
5	/	\		Upland watershed not contributing to riparian degradation

V	YES	NO	NA	VEGETATIVE
1	X			Diverse age structure of vegetation
2	X			Diverse composition of vegetation
3	X			Species present indicate maintenance of riparian soil moisture characteristics
4	X			Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5	X			Riparian plants exhibit high vigor
6	/	\		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7	X			Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES	NO	NA	EROSION DEPOSITION
1	/	\		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2			X	Point bars are revegetating
3		X		Lateral stream movement is associated with natural sinuosity
4	X			System is vertically stable
5	/	\		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H2: ALMOST, BUT BANKS TRAMPLED, MAINLY BY LIVESTOCK, SLUFFING ON INSIDE BANKS
H3: BANK TRAMPLE, NATURAL CONTRIBUTION FROM STEEP SIDE CANYONS
H4: NATURAL GEOLOGY EROSION FROM BARE SLOPES AND LIVESTOCK TRAILS
V6: AREA WITH AND WITHOUT ADEQUATE AMOUNTS OF DEBRIS TO DISSIPATE ENERGY FLOW
E1: SAME AS V6
E3: NO, BECAUSE OF THE TRAMPLING
E5: SEVERAL SIZEABLE HEAD CUTS BELOW THIS AREA, AND SECTIONS OF TRAMPLED STREAM BANKS, HEAD CUT WORKING UP STREAM TOWARD STATE SECTIONS

SUMMARY DETERMINATION

Functional Rating: Proper Functioning Condition Function--At Risk X Unknown
Trend for Functional--At Risk Upward Downward Not Apparent X

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
No X

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: MILL CREEK Date: JUNE 22, 1994 Segment/Reach ID: SEGMENT OF NORTH FORK OF MILL CREEK SOUTH OF THE STATE LAND TO CONFLUENCE OF FEEDER CREEK
Miles: .66 Acres: _____ ID Team Observers: DENNIS DONCASTER, CARL BEZANSON, JEFF SHYER

H	YES	NO	NA	HYDROLOGIC
1	X			Floodplain inundated in "relatively frequent" events (1-3 years)
2		X		Active/stable beaver dams
3		X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4	/	\		Riparian zone is widening
5	X			Upland watershed not contributing to riparian degradation
V	YES	NO	NA	VEGETATIVE
1		X		Diverse age structure of vegetation
2		X		Diverse composition of vegetation
3		X		Species present indicate maintenance of riparian soil moisture characteristics
4		X		Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5		X		Riparian plants exhibit high vigor
6		X		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7	X			Plant communities in the riparian area are an adequate source of coarse and/or large woody debris
E	YES	NO	NA	EROSION DEPOSITION
1	/	\		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2			X	Point bars are revegetating
3		X		Lateral stream movement is associated with natural sinuosity
4		X		System is vertically stable
5		X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H2: BEAVER DAM PRESENT BUT NEITHER ACTIVE OR STABLE
H3: TRAMPLING, FAILING, BEAVER DAMS, HIGH BARE BANKS
H4: VEGETATION IS COMING BACK IN SPOTS, BUT SOME ACTIVE HEAD CUTTING
H5: TRAMPLING IN UPLANDS AND CATTLE CONCENTRATION AREAS
V1: RAW BANKS, NEW VEGETATION, COMPACTION
V2: SAME AS V1
V3: NONE, RIPARIAN SPECIES
V4: SAME OF V3 AND LOTS OF BARE GROUND
V5: SAME AS V3 AND V4
V6: EXPLAINED ABOVE, BARE BANKS
E1: SPOTTY SAME AREAS DO, SOME DON'T
E3: BANK TRAMPLE, LACK OF REGROWTH
E4: HEAD CUTTING DOWN CUTTING
E5: REFER TO OTHER STATEMENTS ABOVE

SUMMARY DETERMINATION

Functional Rating: Proper Functioning Condition Function--At Risk X Unknown
Trend for Functional--At Risk Upward Downward X Not Apparent

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
No X

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: MILL CREEK Date: JUNE 22, 1994 Segment/Reach ID: FEEDER CREEK TO MILL CREEK, CONFLUENCE OF MILL AND FEEDER CREEK, NORTH FORK OF MILL CREEK
Miles: .5 Acres: _____ ID Team Observers: DENNIS DONCASTER, CARL BEZANSON, JEFF SHRYER

H	YES	NO	NA	HYDROLOGIC
1	X			Floodplain inundated in "relatively frequent" events (1-3 years)
2	/	\		Active/stable beaver dams
3		X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4	/	\		Riparian zone is widening
5	/	\		Upland watershed not contributing to riparian degradation
V	YES	NO	NA	VEGETATIVE
1	X			Diverse age structure of vegetation
2	X			Diverse composition of vegetation
3	X			Species present indicate maintenance of riparian soil moisture characteristics
4	X			Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5	X			Riparian plants exhibit high vigor
6	/	\		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7	X			Plant communities in the riparian area are an adequate source of coarse and/or large woody debris
E	YES	NO	NA	EROSION DEPOSITION
1	/	\		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2			X	Point bars are revegetating
3	/	\		Lateral stream movement is associated with natural sinuosity
4	X			System is vertically stable
5		X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H2: NO ACTIVE BUT STABLE

H3: TRAMPLING AND HEAD CUTTING

H4: VARIES ON ACCESSIBILITY OF LIVESTOCK

H5: SOME GEOLOGIC AND LIVESTOCK TRAIL ALONG FEEDER CREEK

V6: LIVESTOCK ACCESSIBILITY, HEAD CUTTING

E1: FOR THE MOST PART THE CHANNEL CON DISSIPATE FLOW CUTS THAT THE FLOW WATER AND CAUSE LOCAL EROSION

E3: MINOR TRAMPLING

E5: TRAMPLING, LIVESTOCK TRAILS, INCREASED GRAZING PRESSURE

PART OF THE STREAM IS IN PFC, SEE MAP. GEOLOGY AND INACCESSIBLE TO LIVESTOCK

SUMMARY DETERMINATION

Functional Rating: Proper Functioning Condition Function--At Risk X Unknown

Trend for Functional--At Risk Upward Downward Not Apparent X

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes No X

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: MILL CREEK Date: JUNE 22, 1994 Segment/Reach ID: 1st FEEDER CREEK TO CENTER OF SECTION 26

Miles: 1 Acres: _____ ID Team Observers: DENNIS DONCASTER, CARL BEZANSON, JEFF SHYER

H	YES	NO	NA	HYDROLOGIC
1	X			Floodplain inundated in "relatively frequent" events (1-3 years)
2		X		Active/stable beaver dams
3		X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4	X			Riparian zone is widening
5	X			Upland watershed not contributing to riparian degradation
V	YES	NO	NA	VEGETATIVE
1		X		Diverse age structure of vegetation
2		X		Diverse composition of vegetation
3		X		Species present indicate maintenance of riparian soil moisture characteristics
4		X		Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5		X		Riparian plants exhibit high vigor
6		X		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7	X			Plant communities in the riparian area are an adequate source of coarse and/or large woody debris
E	YES	NO	NA	EROSION DEPOSITION
1	/	\		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2	/	\		Point bars are revegetating
3	/	\		Lateral stream movement is associated with natural sinuosity
4	X			System is vertically stable
5		X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H2: PRESENT BUT NO ACTIVE

H3: REACHED IT GRADIENT, REFORM THE FLOODPLAIN LIVESTOCK AIDING IN BREAKING DOWN THE BANKS, WIDTH/DEPTH NEEDS IMPROVEMENT

V1: FEW RIPARIAN SPECIES PRESENT AND ALL ARE AT THE SAME AGE CLASS

V2: SAME AGE CLASS FOR ALL SPECIES

SUMMARY DETERMINATION

Functional Rating:

Proper Functioning Condition

Function--At Risk X

Unknown

Trend for Functional--At Risk

Upward

Downward

Not Apparent X

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes

No X

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: MILL CREEK Date: JUNE 22, 1994 Segment/Reach ID: 2nd FEEDER CREEK
 Miles: .5 Acres: _____ ID Team Observers: DENNIS DONCASTER, CARL BEZANSON, JEFF SHYER

H	YES	NO	NA	HYDROLOGIC
1	X			Floodplain inundated in "relatively frequent" events (1-3 years)
2		X		Active/stable beaver dams
3		X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4	X			Riparian zone is widening
5	X			Upland watershed not contributing to riparian degradation

V	YES	NO	NA	VEGETATIVE
1		X		Diverse age structure of vegetation
2		X		Diverse composition of vegetation
3		X		Species present indicate maintenance of riparian soil moisture characteristics
4	X			Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5	X			Riparian plants exhibit high vigor
6	/	\		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7	/	\		Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES	NO	NA	EROSION DEPOSITION
1		X		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2			X	Point bars are revegetating
3	/	\		Lateral stream movement is associated with natural sinuosity
4		X		System is vertically stable
5		X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H2: BEAVER DAMS PRESENT BUT NEITHER ACTIVE OR STABLE
H3: GEOLOGY DICTATES THE SINUOSITY-OUT OF BALANCE
V1: NO RIPARIAN SPECIES ALONG STREAM
V2: SAME AS V1

SUMMARY DETERMINATION

Functional Rating:
 Proper Functioning Condition
 Function--At Risk X
 Unknown
 Trend for Functional--At Risk
 Upward
 Downward X
 Not Apparent

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
 No X

STANDARD CHECKLIST

PROPER FUNCTIONING CONDITION

Name of Riparian-Wetland Area: MILL CREEK Date: JUNE 22, 1994 Segment/Reach ID: NORTH FORK MILL CREEK, CENTER SECTION 26 TO STATE SECTION 36
 Miles: 1.25 Acres: _____ ID Team Observers: DENNIS DONCASTER, CARL BEZANSON, JEFF SHRYER

H	YES	NO	NA	HYDROLOGIC
1	X			Floodplain inundated in "relatively frequent" events (1-3 years)
2			X	Active/stable beaver dams
3	X			Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4	X			Riparian zone is widening
5	X			Upland watershed not contributing to riparian degradation

V	YES	NO	NA	VEGETATIVE
1		X		Diverse age structure of vegetation
2		X		Diverse composition of vegetation
3		X		Species present indicate maintenance of riparian soil moisture characteristics
4		X		Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5		X		Riparian plants exhibit high vigor
6		X		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7			X	Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES	NO	NA	EROSION DEPOSITION
1	X			Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2	X			Point bars are revegetating
3	X			Lateral stream movement is associated with natural sinuosity
4	X			System is vertically stable
5	X			Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

CHANNEL HAS FORMED THE PROPER SHAPE BUT CONTINUES GRAZING PRESSURE HAS PREVENTED THE VEGETATION FROM RECOVERING

GEOLOGY HAS STABILIZED THE GRADIENT AND PREVENTED FURTHER DOWN CUTTING. FLOODPLAIN REFORMING
SUMMARY DETERMINATION

Functional Rating:

Proper Functioning Condition
 Function--At Risk X

Unknown

Trend for Functional--At Risk

Upward
 Downward

Not Apparent X

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
 No X

**STANDARD CHECKLIST
 PROPER FUNCTIONING CONDITION**

H	YES		NO	NA	HYDROLOGIC
1	X				Floodplain inundated in "relatively frequent" events (1-3 years)
2			X		Active/stable beaver dams
3			X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4		X			Riparian zone is widening
5	X				Upland watershed not contributing to riparian degradation
V	YES		NO	NA	VEGETATIVE
1			X		Diverse age structure of vegetation
2			X		Diverse composition of vegetation
3			X		Species present indicate maintenance of riparian soil moisture characteristics
4			X		Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5			X		Riparian plants exhibit high vigor
6			X		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7				X	Plant communities in the riparian area are an adequate source of coarse and/or large woody debris
E	YES		NO	NA	EROSION DEPOSITION
1		X			Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2		X			Point bars are revegetating
3	X				Lateral stream movement is associated with natural sinuosity
4		X			System is vertically stable
5		X			Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

- H2 EVIDENCE OF PAST ACTIVITY
 H3 WIDTH/DEPTH, ABANDONED MEANDERS, ENTIRE SYSTEM DROPPING AND STRAIGHT LINING OF THE DRAINAGE
 H4 STATIC, OLD AREAS AND BEAVER DAMS DRYING UP
 V1 NO AGE TO PLANTS
 V2 EQUISETUM, 2 SEDGES, NO WILLOWS, UPLAND SPECIES
 V3 AREA DRYING UP, VERY FEW RIPARIAN PLANTS
 V4 EQUISETUM, SHALLOW ROOTED PLANTS, INADEQUATE SEDGES
 V5 EXISTING PLANTS SHOW VERY LOW VIGOR
 V6 COVER IS VERY SPARSE, NOT ENOUGH TO DISSIPATE FLOW ENERGY
 E2 WRONG SPECIES, EQUISETUM, POA, FEW SEDGES
 E4 WHOLE SYSTEM IS DOWN CUTTING SLOWLY
 E5 SOME ISLANDS FORMING, HIGH UPSTREAM SEDIMENT LOAD
 EVIDENCE OF OLD WILLOWS ON OLD TERRACES, FAIR AMOUNT OF THISTLE, STREAM BANKS HAVE CANADIAN THISTLE, BULL THISTLE ON TERRACES, OVER ALL SYSTEM IS DROPPING, NO SPECIFIC HEAD CUTS

SUMMARY DETERMINATION

Functional Rating:

Proper Functioning Condition

Function--At Risk X LOW END
 Unknown

Trend for Functional--At Risk Upward

Downward
 Not Apparent X

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
 No X

STANDARD CHECKLIST
 PROPER FUNCTIONING CONDITION

	YES		NO	NA	HYDROLOGIC
1	X				Floodplain inundated in "relatively frequent" events (1-3 years)
2			X		Active/stable beaver dams
3			X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4			X		Riparian zone is widening
5	X				Upland watershed not contributing to riparian degradation

V	YES		NO	NA	VEGETATIVE
1			X		Diverse age structure of vegetation
2			X		Diverse composition of vegetation
3			X		Species present indicate maintenance of riparian soil moisture characteristics
4			X		Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5			X		Riparian plants exhibit high vigor
6			X		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7				X	Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES		NO	NA	EROSION DEPOSITION
1			X		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2		X			Point bars are revegetating
3	X				Lateral stream movement is associated with natural sinuosity
4			X		System is vertically stable
5			X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

- H2 OLD DAMS, NO FOOD SOURCE, NO STABLE DAMS
- H3 ENTIRE SYSTEM OUT OF BALANCE, ABANDONED MEANDERS
- H4 SYSTEM DRYING UP AND DOWN CUTTING
- V1 NO AGE STRUCTURE, ALL YOUNG
- V2 NO WILLOWS, 2 SEDGES, EQUISETUM
- V3 UPLAND SPECIES MOVING IN
- V4 VERY FEW RIPARIAN SPECIES IN SYSTEM
- V5 VERY LOW VIGOR IN EXISTING PLANTS
- V6 VERY SPARSE COVER
- E1 ENTRENCHED CHANNEL
- E4 ENTIRE SYSTEM DOWN CUT, WIDENING CHANNEL
EVIDENCE OF OLD WILLOWS ON OLD TERRACES, FAIR AMOUNT OF THISTLE, STREAM BANKS HAVE CANADIAN THISTLE, BULL THISTLE ON TERRACES, OVER ALL SYSTEM IS DROPPING, NO SPECIFIC HEAD CUTS, AREA BELOW REED PASTURE TO NARROWS AREA GOOD AREA FOR EXCLOSURE

SUMMARY DETERMINATION

Functional Rating:
 Proper Functioning Condition
 Function--At Risk 10%
 Nonfunctional 90%
 Unknown

Trend for Functional--At Risk
 Upward
 Downward
 Not Apparent 10%

Are factors contributing to unacceptable conditions outside BLM's control or management?
 Yes
 No X

STANDARD CHECKLIST
 PROPER FUNCTIONING CONDITION

H	YES		NO	NA	HYDROLOGIC
1		X			Floodplain inundated in "relatively frequent" events (1-3 years)
2			X		Active/stable beaver dams
3			X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4			X		Riparian zone is widening
5			X		Upland watershed not contributing to riparian degradation

V	YES		NO	NA	VEGETATIVE
1			X		Diverse age structure of vegetation
2		X			Diverse composition of vegetation
3		X			Species present indicate maintenance of riparian soil moisture characteristics
4			X		Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5			X		Riparian plants exhibit high vigor
6			X		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7				X	Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES		NO	NA	EROSION DEPOSITION
1			X		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2				X	Point bars are revegetating
3		X			Lateral stream movement is associated with natural sinuosity
4			X		System is vertically stable
5			X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

- H1 SOME AREAS IN A V CHANNEL WITH NO FLOOD PLAIN
- H2 NO DAMS EVIDENT
- H3 ALL ASPECTS OUT OF BALANCE, ABANDONED MEANDERS
- H4 NO RIPARIAN ZONE, VERY OLD DAMS DRAINING
- H5 SIDE CHANNELS ERODING INTO MAIN CHANNEL
- V1 NO AGE STRUCTURE
- V2 LACKING WILLOWS
- V4 UPLAND PLANTS
- V5 VERY LOW VIGOR ON ALL PLANTS
- V6 VERY SPARSE BANK COVER
- E1 ENTRENCHED CHANNEL, RAW BANKS, SOME ROCK, FINE SOILS
- E3 CONFINED CHANNEL, ENTRENCHED CHANNEL, BANK AND BED TRAMPLE
- E4 DEEP MULTIPLE HEAD CUTS
- E5 HEAD CUTS, ERODING FINES OUT OF SYSTEM INTO LOWER DRAINAGE

SUMMARY DETERMINATION

Functional Rating:

Proper Functioning Condition _ Function--At Risk 20% Nonfunctional 80% Unknown

Trend for Functional--At Risk

Upward
Downward 20%

Not Apparent

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
No X

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: SMITHSFORK ALLOTMENT Date: 8/21/95 Segment/Reach ID: BELOW B CHANNEL TO PRIVATE LAND ON MUDDY CREEK
Miles: 1.25 Acres: _____ ID Team Observers: DONCASTER, PHINNEY, FEELEY

H	YES		NO	NA	HYDROLOGIC
1	X				Floodplain inundated in "relatively frequent" events (1-3 years)
2			X		Active/stable beaver dams
3			X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4		X			Riparian zone is widening
5	X				Upland watershed not contributing to riparian degradation

V	YES		NO	NA	VEGETATIVE
1			X		Diverse age structure of vegetation
2	X				Diverse composition of vegetation
3	X				Species present indicate maintenance of riparian soil moisture characteristics
4	X				Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5			X		Riparian plants exhibit high vigor
6		X			Adequate vegetative cover present to protect banks and dissipate energy during high flow
7				X	Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES		NO	NA	EROSION DEPOSITION
1		X			Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2	X				Point bars are revegetating
3		X			Lateral stream movement is associated with natural sinuosity
4	X				System is vertically stable
5	X				Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H2 ONE OLD BLOWN DAM, NO ADEQUATE MATERIAL
H3 IMPROVING IN SECTIONS, W/D AND SINUOSITY OUT OF BALANCE, ABANDONED MEANDERS, STRAIGHT STRETCHES
V5 THREE TYPES OF WILLOWS, HEAVILY HEDGED

SUMMARY DETERMINATION

Functional Rating:
Proper Functioning Condition
Function--At Risk X
Unknown
Trend for Functional--At Risk
Upward
Downward
Not Apparent X

Are factors contributing to unacceptable conditions outside BLM's control or management?
Yes
No X

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: SMITHSFORK ALLOTMENT, LOWER COAL CREEK Date: 8/21/95 Segment/Reach ID:

BELOW EXCLOSURE FENCE TO BELOW B CHANNEL

Miles: .5 Acres: _____ ID Team Observers: DONCASTER, PHINNEY, FEELEY

H	YES		NO	NA	HYDROLOGIC
1	X				Floodplain inundated in "relatively frequent" events (1-3 years)
2			X		Active/stable beaver dams
3	X				Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4	X				Riparian zone is widening
5	X				Upland watershed not contributing to riparian degradation

V	YES		NO	NA	VEGETATIVE
1	X				Diverse age structure of vegetation
2	X				Diverse composition of vegetation
3	X				Species present indicate maintenance of riparian soil moisture characteristics
4	X				Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5	X				Riparian plants exhibit high vigor
6	X				Adequate vegetative cover present to protect banks and dissipate energy during high flow
7	X				Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES		NO	NA	EROSION DEPOSITION
1	X				Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2			X		Point bars are revegetating
3	X				Lateral stream movement is associated with natural sinuosity
4	X				System is vertically stable
5	X				Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

CONFINED CHANNEL, ROCK CONTROL, POOR LIVESTOCK ACCESS TO RIPARIAN ZONE, TRAIL AROUND AREA, 1 COTTONWOOD GROVE, 1 MATURE TREE WITH YOUNG TO TEENAGE TREES, AREA IS EXPANDING

SUMMARY DETERMINATION

Functional Rating:

Proper Functioning Condition X
Function--At Risk

Unknown

Trend for Functional--At Risk

Upward
Downward

Not Apparent

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
No XX

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: SMITHSFORK ALLOTMENT Date: 8/25/95 Segment/Reach ID: UPPER
DIPPER CREEK Miles: 1.75 Acres: _____ ID Team Observers: DONCASTER, HENDERSON,
PHINNEY, BEZANSON, FEELEY

H	YES		NO	NA	HYDROLOGIC
1	X				Floodplain inundated in "relatively frequent" events (1-3 years)
2		X			Active/stable beaver dams
3			X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4			X		Riparian zone is widening
5	X				Upland watershed not contributing to riparian degradation

V	YES		NO	NA	VEGETATIVE
1	X				Diverse age structure of vegetation
2	X				Diverse composition of vegetation
3	X				Species present indicate maintenance of riparian soil moisture characteristics
4	X				Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5	X				Riparian plants exhibit high vigor
6		X			Adequate vegetative cover present to protect banks and dissipate energy during high flow
7	X				Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES		NO	NA	EROSION DEPOSITION
1		X			Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2				X	Point bars are revegetating
3	X				Lateral stream movement is associated with natural sinuosity
4			X		System is vertically stable
5		X			Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H2 THERE ARE ACTIVE AND STABLE DAMS NEAR THE UPPER END OF THE WATERSHED
H3 HEAD CUTS, WIDTH/DEPTH OUT OF BALANCE
H4 DRYING IN THE MEADOWS
E1 HEAD CUTS BETWEEN SEMI STABLE CHANNELS
E4 HEAD CUTS, SOME STOPPED BY ROCKS
SOME AREAS OF HEAD CUTTING ARE IN STRETCHES OF VERY STEEP GRADE

SUMMARY DETERMINATION

Functional Rating:

Proper Functioning Condition
 Function--At Risk X

Unknown

Trend for Functional--At Risk

Upward
 Downward 20%
 Not Apparent 80%

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
 No X

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: SMITHSFORK ALLOTMENT Date: 8/25/95 Segment/Reach ID: OMEGA FORK-COAL CREEK
Miles: 2 Acres: _____ ID Team Observers: DONCASTER, HENDERSON, PHINNEY, BEZANSON, FEELEY

H	YES		NO	NA	HYDROLOGIC
1	X				Floodplain inundated in "relatively frequent" events (1-3 years)
2			X		Active/stable beaver dams
3			X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4			X		Riparian zone is widening
5	X				Upland watershed not contributing to riparian degradation

V	YES		NO	NA	VEGETATIVE
1			X		Diverse age structure of vegetation
2	X				Diverse composition of vegetation
3		X			Species present indicate maintenance of riparian soil moisture characteristics
4		X			Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5			X		Riparian plants exhibit high vigor
6			X		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7	X				Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES		NO	NA	EROSION DEPOSITION
1			X		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2	X				Point bars are revegetating
3	X				Lateral stream movement is associated with natural sinuosity
4			X		System is vertically stable
5		X			Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H2 SEVERAL OLD AND BLOWN DAMS, SOME ACTIVITY
H3 MULTIPLE HEAD CUTS, INTERMITTENT CHANNEL, TRAMPLE, BANK SHEAR
H4 THERE IS NO EVIDENCE OF A WIDENING RIPARIAN ZONE
V1 NO AGE STRUCTURE IN VEGETATION
E1 HEAD CUTS, ROCKS, BEAVER DAMS
E4 HEAD CUTS

SUMMARY DETERMINATION

Functional Rating:

Proper Functioning Condition

Function--At Risk X Unknown

Trend for Functional--At Risk Upward _ Downward X Not Apparent

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
No X

STANDARD CHECKLIST

PROPER FUNCTIONING CONDITION

Name of Riparian-Wetland Area: SMITHSFORK ALLOTMENT Date: 8/25/95 Segment/Reach ID: MAIN FORK COAL CREEK
 Miles: 2 Acres: _____ ID Team Observers: DONCASTER, HENDERSON, PHINNEY, BEZANSON, FEELEY

H	YES		NO	NA	HYDROLOGIC
1	X				Floodplain inundated in "relatively frequent" events (1-3 years)
2				X	Active/stable beaver dams
3		X			Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4	X				Riparian zone is widening
5	X				Upland watershed not contributing to riparian degradation

V	YES		NO	NA	VEGETATIVE
1		X			Diverse age structure of vegetation
2	X				Diverse composition of vegetation
3	X				Species present indicate maintenance of riparian soil moisture characteristics
4	X				Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5	X				Riparian plants exhibit high vigor
6	X				Adequate vegetative cover present to protect banks and dissipate energy during high flow
7				X	Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES		NO	NA	EROSION DEPOSITION
1		X			Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2	X				Point bars are revegetating
3	X				Lateral stream movement is associated with natural sinuosity
4	X				System is vertically stable
5	X				Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H3 IMPROVING
V1 NO AGE IN WILLOWS
V5 WILLOWS HEDGED

SUMMARY DETERMINATION

Functional Rating:
 Proper Functioning Condition
 Function--At Risk X
 Unknown
 Trend for Functional--At Risk
 Upward X
 Downward
 Not Apparent

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes X
 No
X Other (specify) PRIVATE AREA AND HIGHWAY RIGHT OF WAY.

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: SMITHSFORK ALLOTMENT Date: 8/24/95 Segment/Reach ID: CHALK CREEK
Miles: 2 Acres: _____ ID Team Observers: DONCASTER, HENDERSON, PECOR, BOCK, PHINNEY, BEZANSON, FEELEY

H	YES		NO	NA	HYDROLOGIC
1		X			Floodplain inundated in "relatively frequent" events (1-3 years)
2				X	Active/stable beaver dams
3			X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4			X		Riparian zone is widening
5			X		Upland watershed not contributing to riparian degradation

V	YES		NO	NA	VEGETATIVE
1			X		Diverse age structure of vegetation
2			X		Diverse composition of vegetation
3			X		Species present indicate maintenance of riparian soil moisture characteristics
4			X		Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5			X		Riparian plants exhibit high vigor
6			X		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7		X			Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES		NO	NA	EROSION DEPOSITION
1			X		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2				X	Point bars are revegetating
3	X				Lateral stream movement is associated with natural sinuosity
4			X		System is vertically stable
5			X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

- H1 NO FLOOD PLAIN
- H3 HEAD CUTS, INCISED V-CHANNEL
- H4 NO RIPARIAN ZONE
- H5 STEEP V CANYON AND CHANNEL
- V1 NO PLANTS, OLD TREES
- V2 NO VEGETATION
- V3 NO RIPARIAN SPECIES
- V4 NO PLANTS
- V5 NO PLANTS
- V6 NO COVER
- V7 SOME TREES
- E1 V CHANNEL
- E4 DEEP V CHANNEL
- E5 DEEP CUTS COMING INTO CHANNEL FROM SIDES

SUMMARY DETERMINATION

Functional Rating:
Proper Functioning Condition Function--At Risk 10% Nonfunctional 90% Unknown

Trend for Functional--At Risk
Upward
Downward 5%
Not Apparent 5%

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
No X

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: SMITHSFORK ALLOTMENT Date: 8/24/95 Segment/Reach ID: GROO CANYON
 Miles: .6, .25 STATE Acres: _____ ID Team Observers: DONCASTER, HENDERSON, PECOR, BOCK, PHINNEY, BEZANSON, FEELEY

H	YES		NO	NA	HYDROLOGIC
1	X				Floodplain inundated in "relatively frequent" events (1-3 years)
2				X	Active/stable beaver dams
3		X			Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4		X			Riparian zone is widening
5	X				Upland watershed not contributing to riparian degradation

V	YES		NO	NA	VEGETATIVE
1		X			Diverse age structure of vegetation
2	X				Diverse composition of vegetation
3	X				Species present indicate maintenance of riparian soil moisture characteristics
4	X				Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5	X				Riparian plants exhibit high vigor
6		X			Adequate vegetative cover present to protect banks and dissipate energy during high flow
7	X				Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES		NO	NA	EROSION DEPOSITION
1		X			Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2				X	Point bars are revegetating
3	X				Lateral stream movement is associated with natural sinuosity
4	X				System is vertically stable
5	X				Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H4 RIPARIAN ZONE HAS REACHED EXTENT
V1 WILLOWS ARE OF ONE AGE CLASS
V6 ROCK PROTECTED
E1 BARE GROUND ON STATE LAND, GOOD ROCK CONTENT
E4 ONE LARGE SLOW MOVING HEAD CUT ON LOWER END

SUMMARY DETERMINATION

Functional Rating:
 Proper Functioning Condition 80%
 Function--At Risk 20%
 Unknown

Trend for Functional--At Risk
 Upward
 Downward
 Not Apparent 20%

Are factors contributing to unacceptable conditions outside BLM's control or management?
 Yes
 No X

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: SMITHSFORK ALLOTMENT Date: 8/18/95 Segment/Reach ID: BANOOSE FORK-COAL CREEK
Miles: 1.1 Acres: _____ ID Team Observers: DONCASTER, HENDERSON, PHINNEY, BEZANSON, LAROSA(FWS)

H	YES		NO	NA	HYDROLOGIC
1	X				Floodplain inundated in "relatively frequent" events (1-3 years)
2			X		Active/stable beaver dams
3			X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4			X		Riparian zone is widening
5	X				Upland watershed not contributing to riparian degradation

V	YES		NO	NA	VEGETATIVE
1			X		Diverse age structure of vegetation
2		X			Diverse composition of vegetation
3		X			Species present indicate maintenance of riparian soil moisture characteristics
4		X			Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5			X		Riparian plants exhibit high vigor
6			X		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7				X	Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES		NO	NA	EROSION DEPOSITION
1			X		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2	X				Point bars are revegetating
3	X				Lateral stream movement is associated with natural sinuosity
4			X		System is vertically stable
5			X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H2 OLD, BLOWN OUT BEAVER DAMS
H3 CHANNEL DOWNCUTTING, STRAIGHTENING, DRYING MEADOWS, WIDTH/DEPTH RATION OUT OF BALANCE
V2 UPPER SECTION LACKS WILLOW COMPENENT, LOWER STRETCHES PICKING UP WILLOWS
V3 SPECIES PRESENT BUT DOWNCUTTING TENDIGN TO ELIMINATE SPECIES, BLUEGRASS INVADING, # SEEPS ALONG CHANNEL
E2 DEBRIS DEPOSITED DOWNSTREAM, POINT BARS REVEGETATING THERE
E4 CHANNEL INCISED, NUMEROUS HEADCUTS

SUMMARY DETERMINATION

Functional Rating: Proper Functioning Condition Function--At Risk X Unknown
Trend for Functional--At Risk

Upward
Downward X
Not Apparent

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
No X

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: SMITHSFORK ALLOTMENT Date: 8/17/95 Segment/Reach ID: NORTH FORK STONER CREEK Miles: 1.5 Acres: _____ ID Team Observers: DONCASTER, HENDERSON, PHINNEY, BEZANSON

H	YES		NO	NA	HYDROLOGIC
1	X				Floodplain inundated in "relatively frequent" events (1-3 years)
2		X			Active/stable beaver dams
3			X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4			X		Riparian zone is widening
5	X				Upland watershed not contributing to riparian degradation

V	YES		NO	NA	VEGETATIVE
1			X		Diverse age structure of vegetation
2	X				Diverse composition of vegetation
3	X				Species present indicate maintenance of riparian soil moisture characteristics
4	X				Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5		X			Riparian plants exhibit high vigor
6		X			Adequate vegetative cover present to protect banks and dissipate energy during high flow
7				X	Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES		NO	NA	EROSION DEPOSITION
1		X			Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2	X				Point bars are revegetating
3		X			Lateral stream movement is associated with natural sinuosity
4		X			System is vertically stable
5			X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

- H2 SOME ACTIVITY WITH SOME OLD DAMS WASHED OUT
H3 WIDTH/DEPTH RATIO OUT OF BALANCE
V1 HEAD CUTS DRYING OUT MEADOWS
V4 WEEDY COMPONENT
V5 WEEDIES LACK VIGOR
V6 LOWER SECTION ADEQUATE. UPPER AREA MARGINAL ABOVE ROCKY AREA
E1 LOWER SECTION ADEQUATE BELOW ROCK AREA
E3 EXCESSIVE TRAMPLE IN UPPER SECTION
E4 UPPER AREA HAS SEVERE HEADCUTS
E5 SEVERE HEAD CUTS IN UPPER SECTION

SUMMARY DETERMINATION

Functional Rating:
 Proper Functioning Condition ___ Function--At Risk X Unknown
 Trend for Functional--At Risk Upward ___ Downward .65% Not Apparent .35%
Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
 No X

STANDARD CHECKLIST

PROPER FUNCTIONING CONDITION

Name of Riparian-Wetland Area: SMITHSFORK ALLOTMENT Date: 8/17/95 Segment/Reach ID: SOUTH FORK STONER CREEK Miles: 1 Acres: _____ ID Team Observers: DONCASTER, HENDERSON, PHINNEY, BEZANSON

H	YES		NO	NA	HYDROLOGIC
1	X				Floodplain inundated in "relatively frequent" events (1-3 years)
2				X	Active/stable beaver dams
3			X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4			X		Riparian zone is widening
5	X				Upland watershed not contributing to riparian degradation

V	YES		NO	NA	VEGETATIVE
1			X		Diverse age structure of vegetation
2	X				Diverse composition of vegetation
3	X				Species present indicate maintenance of riparian soil moisture characteristics
4		X			Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5		X			Riparian plants exhibit high vigor
6		X			Adequate vegetative cover present to protect banks and dissipate energy during high flow
7				X	Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES		NO	NA	EROSION DEPOSITION
1			X		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2				X	Point bars are revegetating
3		X			Lateral stream movement is associated with natural sinuosity
4			X		System is vertically stable
5			X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

- H1 IS AN F TO G CHANNEL. SHOULD BE E CHANNEL
- H2 WATER TABLE IS DROPPING AT HEAD CUT
- V1 ONLY MATURE WILLOWS
- V4 HEAD CUT AREAS HAVE UPLAND SPECIES ON BANKS
- V5 SEDGES OK, WILLOWS NOT
- V6 YEAS, EXCEPT BELOW HEAD CUT
- E1 BANK SHEAR, BED TRAMPLE, BANK TRAMPLE
- E3 BANK SHEAR
- E4 HEAD CUTS
- E5 HEAD CUTS. EXCESSIVE EROSION AND DEPOSITION
- SALT SHOULD NOT BE ON STREAM. NEED MORE WILLOW COMPONENT

SUMMARY DETERMINATION

Functional Rating:

Proper Functioning Condition

Function--At Risk X

Unknown

Trend for Functional--At Risk

Upward

Downward X DUE TO HEAD CUTS

Not Apparent

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes

No X

STANDARD CHECKLIST

PROPER FUNCTIONING CONDITION

Name of Riparian-Wetland Area: SMITHSFORK ALLOTMENT Date: 8/21/95 Segment/Reach ID: COAL CREEK
 EXCLOSURE Miles: 1 Acres: _____ ID Team Observers: DONCASTER, PHINNEY, FEELEY

H	YES		NO	NA	HYDROLOGIC
1	X				Floodplain inundated in "relatively frequent" events (1-3 years)
2			X		Active/stable beaver dams
3			X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4	X				Riparian zone is widening
5	X				Upland watershed not contributing to riparian degradation

V	YES		NO	NA	VEGETATIVE
1	X				Diverse age structure of vegetation
2	X				Diverse composition of vegetation
3	X				Species present indicate maintenance of riparian soil moisture characteristics
4	X				Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5	X				Riparian plants exhibit high vigor
6	X				Adequate vegetative cover present to protect banks and dissipate energy during high flow
7				X	Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES		NO	NA	EROSION DEPOSITION
1	X				Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2	X				Point bars are revegetating
3	X				Lateral stream movement is associated with natural sinuosity
4	X				System is vertically stable
5	X				Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H2 OLD RELICS
H3 THE WIDTH/DEPTH RATIO IS IMPROVING
V1 YOUNG WILLOWS ARE SHOWING UP
GARRISON CREEPING FOXTAIL IS ABUNDANT IN ENTIRE EXCLOSURE. IT IS REVEGETATING POINT BARS
HEAVY THISTLE POPULATION

SUMMARY DETERMINATION

Functional Rating:
 Proper Functioning Condition X
 Function--At Risk _____
 Unknown _____
 Trend for Functional--At Risk _____
 Upward _____
 Downward _____
 Not Apparent _____

Are factors contributing to unacceptable conditions outside BLM's control or management?
 Yes _____
 No X

**STANDARD CHECKLIST
 PROPER FUNCTIONING CONDITION**

H	YES		NO	NA	HYDROLOGIC
1	X				Floodplain inundated in "relatively frequent" events (1-3 years)
2		X			Active/stable beaver dams
3			X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4			X		Riparian zone is widening
5	X				Upland watershed not contributing to riparian degradation

V	YES		NO	NA	VEGETATIVE
1			X		Diverse age structure of vegetation
2		X			Diverse composition of vegetation
3		X			Species present indicate maintenance of riparian soil moisture characteristics
4		X			Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5			X		Riparian plants exhibit high vigor
6			X		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7				X	Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES		NO	NA	EROSION DEPOSITION
1		X			Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2				X	Point bars are revegetating
3		X			Lateral stream movement is associated with natural sinuosity
4		X			System is vertically stable
5			X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

- H4 NARROWING
- V1 LACKS WILLOWS OF ANY AGE
- V3 VERY LITTLE CAREX, MOSTLY POS, NO WILLOWS
- V4 POA, BAVER DAMS ARE A YES
- E1 LOTS OF ROCK
- E3 BANK TRAMPLE
- E4 ROCK CONTROL, BANK TRAMPLE, HEAD CUTS
- E5 HEAD CUTS

SUMMARY DETERMINATION

Functional Rating:
 Proper Functioning Condition ___ Function--At Risk X Unknown
 Trend for Functional--At Risk Upward _ Downward X Not Apparent
Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
 No X

STANDARD CHECKLIST
 PROPER FUNCTIONING CONDITION

Name of Riparian-Wetland Area: SMITHSFORK ALLOTMENT Date: 8/18/95 Segment/Reach ID: ANNA MARIE FORK-UPPER COAL CREEK

H	YES		NO	NA	HYDROLOGIC
1	X				Floodplain inundated in "relatively frequent" events (1-3 years)
2			X		Active/stable beaver dams
3			X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4			X		Riparian zone is widening
5	X				Upland watershed not contributing to riparian degradation

V	YES		NO	NA	VEGETATIVE
1	X				Diverse age structure of vegetation
2	X				Diverse composition of vegetation
3	X				Species present indicate maintenance of riparian soil moisture characteristics
4		X			Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5		X			Riparian plants exhibit high vigor
6		X			Adequate vegetative cover present to protect banks and dissipate energy during high flow
7				X	Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES		NO	NA	EROSION DEPOSITION
1			X		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2	X				Point bars are revegetating
3	X				Lateral stream movement is associated with natural sinuosity
4			X		System is vertically stable
5			X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

- H2 OLD ABANDONED BEAVER DAMS
H3 DOWN CUTTING STRAIGHTENING CHANNEL
H4 ROCK CONTROL, OLD BEAVER DAMS, MEADOWS DRYING
E1 LOWER END BETTER THAN UPPER, UPLAND PLANTS NEAR STREAM ON UPPER END, HEDGING
E5 SOME ROCKS IN UPPER END, INCISED CHANNEL
E6 HEAD CUTS IN MIDDLE PORTION OF REACH, ROCKS IN HEADLANDS, FAIR VEGETATION AT BOTTOM

SUMMARY DETERMINATION

Functional Rating:

Proper Functioning Condition Function--At Risk Unknown

Trend for Functional--At Risk

Upward
Downward
Not Apparent

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
No

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: SMITHSFORK ALLOTMENT Date: 8/18/95 Segment/Reach ID: UPPER COAL CREEK TO UPPER EXCLOSURE FENCE

Miles: 2.4 Acres: _____ ID Team Observers: DONCASTER, HENDERSON, PHINNEY, BEZANSON, LAROSA(FWS)

H	YES		NO	NA	HYDROLOGIC
1	X				Floodplain inundated in "relatively frequent" events (1-3 years)
2		X			Active/stable beaver dams
3			X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4			X		Riparian zone is widening
5	X				Upland watershed not contributing to riparian degradation

V	YES		NO	NA	VEGETATIVE
1		X			Diverse age structure of vegetation
2	X				Diverse composition of vegetation
3	X				Species present indicate maintenance of riparian soil moisture characteristics
4	X				Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5			X		Riparian plants exhibit high vigor
6			X		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7	X				Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES		NO	NA	EROSION DEPOSITION
1			X		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2	X				Point bars are revegetating
3	X				Lateral stream movement is associated with natural sinuosity
4			X		System is vertically stable
5			X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

- H2 ONLY ONE ACTIVE BEAVER DAM AT THE HEAD OF THE DRAINAGE
H3 DOWN CUTTING A STRAIGHT CHANNEL, WIDTH/DEPTH RATION OF OF BALANCE
H4 WASHED OUT BEAVER DAMS, DRYING OUT, WRONG SPECIES
V1 ALL OLDER MATURE WILLOWS,
V5 SEVERELY HEDGED WILLOWS
V6 BARE BANKS
V7 ONLY APPLIES TO THE UPPER REACH
E1 INCISED CHANNEL, CONCENTRATES FLOW
E4 NUMEROPUS HEADCUTS
E5 HEAD CUTS

SUMMARY DETERMINATION

Functional Rating: Proper Functioning Condition Function--At Risk X Unknown
Trend for Functional--At Risk Upward Downward Not Apparent X

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
No X

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: SMITHSFORK ALLOTMENT Date: 8/17/95 Segment/Reach ID: EAST FORK COAL CREEK UPPER MILE
Miles: 1 Acres: _____ ID Team Observers: DONCASTER, HENDERSON, PHINNEY, BEZANSON

H	YES		NO	NA	HYDROLOGIC
1		X			Floodplain inundated in "relatively frequent" events (1-3 years)
2		X			Active/stable beaver dams
3			X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4		X			Riparian zone is widening
5	X				Upland watershed not contributing to riparian degradation

V	YES		NO	NA	VEGETATIVE
1		X			Diverse age structure of vegetation
2	X				Diverse composition of vegetation
3	X				Species present indicate maintenance of riparian soil moisture characteristics
4		X			Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5	X				Riparian plants exhibit high vigor
6		X			Adequate vegetative cover present to protect banks and dissipate energy during high flow
7	X				Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES		NO	NA	EROSION DEPOSITION
1			X		Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2				X	Point bars are revegetating
3		X			Lateral stream movement is associated with natural sinuosity
4			X		System is vertically stable
5			X		Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

- H2 ACTIVE AT THE VERY TOP
HEAD CUTS BELOW EACH DAM, DO NOT HAVE FLOOD PLAIN TO INNUNDATE
H3 MANY HEAD CUTS AND CHANNEL READJUSTMENTS
H4 HEAD CUTS AND WASH OUTS, DRYING MEADOWS, SOME POINT BARS REVEGETATING
V1 SOME DIVERSITY ON WILLOWS BUT VERY FEW YOUNG
V4 SOME BANKS ARE NOT COMPRISED OF THOSE COMMUTITIES
V6 MOST AREAS ARE CUTTING AND DO NOT HAVE ADEQUATE COVER
E1 BEAVER DAMS HELP BUT MOSTLY CUTTING HAS CAUSED A NARROW CHANNEL AND NOT ADEQUATE FLOOD PLAIN
E3 BANK SHEARING AND CAVING
E4 MASSIVE AND FREQUENT HEAD CUTS
E5 SAME AS E4

SUMMARY DETERMINATION

Functional Rating:

Proper Functioning Condition
 Function--At Risk X

Unknown

Trend for Functional--At Risk

Upward
 Downward X

Not Apparent

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
 No X

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: SMITHSFORK ALLOTMENT Date: 8/17/95 Segment/Reach ID: EAST FORK COAL CREEK, ABOVE CONFLUENCE WITH COAL CREEK
Miles: 1.5 Acres: _____ ID Team Observers: DONCASTER, HENDERSON, PHINNEY, BEZANSON

H	YES		NO	NA	HYDROLOGIC
1	X				Floodplain inundated in "relatively frequent" events (1-3 years)
2			X		Active/stable beaver dams
3			X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4		X			Riparian zone is widening
5	X				Upland watershed not contributing to riparian degradation
V	YES		NO	NA	VEGETATIVE
1			X		Diverse age structure of vegetation
2	X				Diverse composition of vegetation
3	X				Species present indicate maintenance of riparian soil moisture characteristics
4	X				Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5		X			Riparian plants exhibit high vigor
6		X			Adequate vegetative cover present to protect banks and dissipate energy during high flow
7				X	Plant communities in the riparian area are an adequate source of coarse and/or large woody debris
E	YES		NO	NA	EROSION DEPOSITION
1		X			Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2	X				Point bars are revegetating
3	X				Lateral stream movement is associated with natural sinuosity
4		X			System is vertically stable
5	X				Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

H2 ALL WASHED OUT
H3 WIDTH/DEPTH OUT OF BALANCE. MEANDERS ARE BEING ABANDONED
H4 POINT BARS ON LOWER SECTION
V1 WEEDIES ARE MATURE
V5 SEDGES SHOW VIGOR
V6 RAW BANKS ON UPPER PART
E1 MEANDERS BEING CUT OFF
E4 SLOWLY DROPPING. SERIOUS HEAD CUTS
WILLOW COMPONENT NEEDS TO BE IMPROVED TO SUPPLY COVER FOR TROUT

SUMMARY DETERMINATION

Functional Rating:
Proper Functioning Condition ___ Function--At Risk X Unknown
Trend for Functional--At Risk Upward ___ Downward ___ Not Apparent X
Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
No X

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: SMITHSFORK ALLOTMENT Date: 8/16/95 Segment/Reach ID: ALL DRAINAGES ON LITTLE MUDDY Miles: 4.25 Acres: _____ ID Team Observers: DONCASTER, HENDERSON, PHINNEY, BEZANSON, FEELEY

H	YES		NO	NA	HYDROLOGIC
1	X				Floodplain inundated in "relatively frequent" events (1-3 years)
2		X			Active/stable beaver dams
3			X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4			X		Riparian zone is widening
5	X				Upland watershed not contributing to riparian degradation

V	YES		NO	NA	VEGETATIVE
1			X		Diverse age structure of vegetation
2		X			Diverse composition of vegetation
3	X				Species present indicate maintenance of riparian soil moisture characteristics
4		X			Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5			X		Riparian plants exhibit high vigor
6			X		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7		X			Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES		NO	NA	EROSION DEPOSITION
1		X			Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2				X	Point bars are revegetating
3		X			Lateral stream movement is associated with natural sinuosity
4		X			System is vertically stable
5		X			Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

- H3 WIDTH/DEPTH, SINUOSITY OUT OF BALANCE
- H4 NARROWING, DRYING
- V2 FEW WILLOWS
- V5 VERY LOW VIGOR
- V6 BANK TRAMPLE AND SLUMPING, UPLAND PLANT ENCROACHMENT
- E3 BANK TRAMPLE
- E4 HEAD CUTS, ROCK CONTROL

SUMMARY DETERMINATION

Functional Rating:
 Proper Functioning Condition
 Function--At Risk X
 Unknown
 Trend for Functional--At Risk
 Upward 20%
 Downward 10%
 Not Apparent 70%

Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes No XX

**STANDARD CHECKLIST
PROPER FUNCTIONING CONDITION**

Name of Riparian-Wetland Area: SMITHSFORK ALLOTMENT Date: 8/15/95 Segment/Reach ID:
LITTLE MUDDY NORTH OF SECTION LINE FOR SECTION 25
Miles: 4, 3/8 PRIVATE, 1/3 STATE Acres: _____ ID Team Observers: DONCASTER, HENDERSON,
PHINNEY, BEZANSON, FEELEY, CHAVEZ, MARTY SHORT

H	YES		NO	NA	HYDROLOGIC
1	X				Floodplain inundated in "relatively frequent" events (1-3 years)
2			X		Active/stable beaver dams
3			X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4		X			Riparian zone is widening
5		X			Upland watershed not contributing to riparian degradation

V	YES		NO	NA	VEGETATIVE
1			X		Diverse age structure of vegetation
2		X			Diverse composition of vegetation
3	X				Species present indicate maintenance of riparian soil moisture characteristics
4	X				Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5		X			Riparian plants exhibit high vigor
6		X			Adequate vegetative cover present to protect banks and dissipate energy during high flow
7				X	Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES		NO	NA	EROSION DEPOSITION
1		X			Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2	X				Point bars are revegetating
3	X				Lateral stream movement is associated with natural sinuosity
4	X				System is vertically stable
5		X			Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

SERIES OF SPECIES MGT PASTURES, NOT TOTALLY FUNCTIONAL, DID PROVIDE SUFFICIENT PROTECTION TO PROVIDE UPWARD TREND WITH THE PASTURES. CHANNEL RECOVERING FROM SEVER DISTURBANCE. SOME ROCK CONTROL. NO ACTIVE BEAVER DAMS. WILLOW COMMUNITY ABSENT, MOST LIKELY DUE TO SPRAYING DONE 30 YEARS AGE, NEDS TO BE RE-ESTABLISHED TOO MUCH THISTLY, EARLY SERAL, WRONG PLANTS, NEED TO SEEK DIFFERENT PLANT COMMUNITIES. EXCESSIVE RAW BANKS OUTSIDE OF PASTURES, CONTRIBUTING FROM UPLANDS

SUMMARY DETERMINATION

Functional Rating:
Proper Functioning Condition Function--At Risk X Unknown
Trend for Functional--At Risk Upward 40% Downward Not Apparent 60%
Are factors contributing to unacceptable conditions outside BLM's control or management?

Yes
No X

STANDARD CHECKLIST

PROPER FUNCTIONING CONDITION

Name of Riparian-Wetland Area: SMITHSFORK ALLOTMENT Date: 8/15/95 Segment/Reach ID: SOUTH END OF LITTLE MUDDY CREEK TO NORTH SECTION LINE OF 25
 Miles: 2, 3/8 STATE Acres: _____ ID Team Observers: DONCASTER, HENDERSON, PHINNEY, BEZANSON, CHAVEZ, MARTY SHORT, FEELEY

H	YES		NO	NA	HYDROLOGIC
1	X				Floodplain inundated in "relatively frequent" events (1-3 years)
2		X			Active/stable beaver dams
3			X		Sinuosity, width/depth ratio, and gradient are in balance with the landscape setting (i.e., landform, geology, and bioclimatic region)
4			X		Riparian zone is widening
5	X				Upland watershed not contributing to riparian degradation

V	YES		NO	NA	VEGETATIVE
1			X		Diverse age structure of vegetation
2		X			Diverse composition of vegetation
3	X				Species present indicate maintenance of riparian soil moisture characteristics
4	X				Streambank vegetation is comprised of those plants or plant communities that have root masses capable of withstanding high streamflow events
5			X		Riparian plants exhibit high vigor
6			X		Adequate vegetative cover present to protect banks and dissipate energy during high flow
7	X				Plant communities in the riparian area are an adequate source of coarse and/or large woody debris

E	YES		NO	NA	EROSION DEPOSITION
1		X			Floodplain and channel characteristics (i.e., rocks, coarse and/or large woody debris) adequate to dissipate energy
2				X	Point bars are revegetating
3	X				Lateral stream movement is associated with natural sinuosity
4		X			System is vertically stable
5	X				Stream is in balance with the water and sediment being supplied by the watershed (i.e., no excessive erosion or deposition)

REMARKS

- H2 NO ACTIVE, MOSTLY STABLE, SOME INSTABLE, NO WILLOWS
H3 ABANDONED MEANDERS, BANK TRAMPLE, WIDTH/DEPTH OUT OF BALANCE
H4 NARROWING, DAMS REVEGETATING WITH UPLAND SPECIES
V1 ALL YOUNG SPECIES
E1 CONFINED CHANNEL, GOOD ROCK BASE

SUMMARY DETERMINATION

Functional Rating:
 Proper Functioning Condition Function--At Risk X Unknown
 Trend for Functional--At Risk Upward Downward Not Apparent X
Are factors contributing to unacceptable conditions outside BLM's control or management?
 Yes
 No X