

GUIDESHEET BENCHMARK			
NAME	Pasture with major access problem	FIELD OFFICE	Delta, Homer, Wasilla, Fairbanks, Anchorage, Copper Cent
LABEL	AK004 DJ;HO;WA;FB;AN;CC BM	MLRA	Interior Alaska Lowlands 174, et al.
LAND USE	Pasture	CRA	
RESOURCE MANAGEMENT SYSTEM ALTERNATIVES			
NAME	Pasture with major access problems	CONSERVATION PRACTICES	
LABEL	AK004 DJ;HO;WA;FB;AN;CC BM	1	Access Road - 560
RESOURCE CONCERNS		2	Critical Area Planting - 342
1	Plant Condition; Productivity	3	
2	Plant Management; Nutrient Management	4	
3	Animal Habitat; Water	5	
4	Animal Habitat; Cover &/or Shelter	6	
5	Animal Management; Animal Health	7	
6	Water Quality, Surface Water; Suspended Sediments & Turbidity	8	
7	Soil Erosion; Concentrated Flow	9	
8	Soil Erosion; Classic Gully	10	
9	Animal Management; Animal Health	11	
10		12	
11		13	
12		14	
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CONSERVATION PRACTICES			
NAME		CONSERVATION PRACTICES	
LABEL		1	
RESOURCE CONCERNS		2	
1		3	
2		4	
3		5	
4		6	
5		7	
6		8	
7		9	
8		10	
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17		19	
18		20	
CONSERVATION PRACTICES			
NAME		CONSERVATION PRACTICES	
LABEL		1	
RESOURCE CONCERNS		2	
1		3	
2		4	
3		5	
4		6	
5		7	
6		8	
7		9	
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A. Benchmark System Worksheet

1	STATE	ALASKA	
2	FIELD OFFICE	Delta, Homer, Wasilla, Fairbanks, Anchorage, Copper Center	
3	MLRA	Interior Alaska Lowlands 174, et al.	
4	COMMON RESOURCE AREA (CRA)		
5	RESOURCE INTERPRETATIONS	<i>Enter available interpretative data for each resource</i>	
5.1	SOIL	USDA-NRCS Soil Surveys	
5.2	WATER	DEC 303(d) List	
5.3	AIR	Local Information	
5.4	PLANTS	Forage Suitability Group	
5.5	ANIMAL	Local Information, T&E List	
5.6	HUMAN	Pop. Census, Local Information	
6	HYDROLOGIC UNIT	HYDROLOGIC UNIT CODE 1940504	
7	SYSTEM TEMPLATE LABEL	AK004 DJ;HO;WA;FB;AN;CC BM	
8	SYSTEM NAME	Pasture with major access problem	
9	PLANNING PHASE	CONSERVATION SECURITY PROGRAM	
10	PLANNING LEVEL	PROGRESSIVE PLAN (does not meet RMS)	
11	NRCS LANDUSE	Pasture	
12	EXISTING CONSERVATION PRACTICES	<i>List conservation practices currently in use</i>	
	1.	Fence - 382	
	2.	Watering Facility - 614	
	3.	Pipeline - 516	
	4.	Brush Management - 314	
	5.	Pasture & Hayland Planting - 512	
13	BENCHMARK NARRATIVE	<i>Describe the existing management system</i>	
		<p>There are some X-fences and watering facilities. The operator has removed brush and spent all his capital on seeding and pasture establishment. Unfortunately the livestock have reacted differently than anticipated because of insect harassment. There are areas of overuse and underuse in large pastures. Additional X-fencing and grazing management is needed to improve efficient use of forage. The pasture needs supplemental plant nutrients for acceptable levels of forage production. Irrigation is needed for high and moderate levels of production. Operator only has access to main part of farm by unimproved 4X4 trail which is eroding. There is a small gully in the trail which contributes to sediments and run-off in the creek. A road and bridge is needed for better access. Road development is the operators highest priority for the next 3 years.</p>	

A. Benchmark System Worksheet

14	RESOURCE CONCERNS	BENCHMARK EFFECTS
14.1	Plant Condition; Productivity	Pasture needs to a rotational grazing system
14.2	Plant Management; Nutrient Management	An annual fertilization program need to be implemented
14.3	Animal Habitat; Water	Water needs to be developed in individual pastures
14.4	Animal Habitat; Cover &/or Shelter	Livestock needd additional windbreak development
14.5	Animal Management; Animal Health	Livestock needs a roundworm worming program to improve weight gains
14.6	Water Quality, Surface Water; Suspended Sediments & Turbidity	The access via trail crosses a creek and sediments run down the trail into the creek
14.7	Soil Erosion; Concentrated Flow	Water is channeled down the trail
14.8	Soil Erosion; Classic Gully	Water continues erode the active gully, creating more of a problem
14.9	Animal Management; Animal Health	Insects are creating management problems
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14.18		

Site Specific Practice Effects Worksheet (SSPEW)
Candidate Practice List

State:		ALASKA		Offices:		Delta, Homer, Wasilla, Fairbanks, Anchorage, Copper Center		Guidesheet:		AK004 DJ;HO;WA;FB;AN;CC BM			
Client:		N/A						CRA:					
System Name:		Pasture with major access problem											
RESOURCE CONCERNS		Plant Condition; Productivity		Plant Management; Nutrient Management		Animal Habitat; Water		Animal Habitat; Cover &/or Shelter		Animal Management; Animal Health		Water Quality, Surface Water; Suspended Sediments & Turbidity	
CONSERVATION PRACTICES													
Prescribed Grazing - 528A		ST	Insignificant	Insignificant	Situational	Insignificant	SI Increase	SI Decrease					
		LT	Mod to Sig Decrease	SI to Mod Decrease	Situational	SI to Mod Decrease	SI to Mod Decrease	SI to Sig Decrease					
Nutrient Management - 590		ST	N/A	N/A	N/A	N/A	N/A	N/A					
		LT	SI to Sig Decrease	Mod to Sig Decrease	SI Decrease	SI to Mod Decrease	SI to Mod Decrease	N/A					
Fence - 382		ST	Facilitating	Facilitating	Facilitating	Situational	SI Increase	SI Increase					
		LT	Facilitating	Facilitating	Facilitating	Situational	Insignificant	Insignificant					
Watering Facility - 614		ST	N/A	N/A	Sig Decrease	N/A	SI Decrease	Situational					
		LT	N/A	N/A	Sig Decrease	N/A	SI Decrease	Situational					
Pipeline - 516		ST	N/A	N/A	Situational	N/A	N/A	SI to Sig Decrease					
		LT	N/A	N/A	Situational	N/A	N/A	SI to Sig Decrease					
Irrigation Water Management - 449		ST	SI to Mod Decrease	SI to Mod Decrease	SI to Sig Decrease	N/A	N/A	SI to Sig Decrease					
		LT	SI to Mod Decrease	SI to Mod Decrease	SI to Sig Decrease	N/A	N/A	SI to Sig Decrease					
Waterspreading - 640		ST	Sig Decrease	Insignificant	Mod Decrease	Mod Decrease	Insignificant	Insignificant					
		LT	Sig Decrease	Insignificant	Mod Decrease	Mod Decrease	Insignificant	Insignificant					
Access Road - 560		ST	N/A	N/A	N/A	N/A	N/A	SI to Sig Increase					
		LT	N/A	N/A	N/A	N/A	N/A	N/A					
Critical Area Planting - 342		ST	N/A	N/A	N/A	N/A	N/A	N/A					
		LT	N/A	N/A	SI to Mod Decrease	N/A	N/A	SI Decrease					
Field Border - 386		ST	N/A	N/A	N/A	N/A	N/A	N/A					
		LT	N/A	N/A	N/A	N/A	N/A	SI Decrease					

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Candidate Practice List

State:		ALASKA		Offices:		Delta, Homer, Wasilla, Fairbanks, Anchorage, Copper Center		Guidesheet:		AK004 DJ;HO;WA;FB;AN;CC BM	
Client:		N/A						CRA:			
System Name:		Pasture with major access problem									
RESOURCE CONCERNS		Soil Erosion; Concentrated Flow		Soil Erosion; Classic Gully		Animal Management; Animal Health					
CONSERVATION PRACTICES											
Prescribed Grazing - 528A	ST	SI to Mod Decrease		SI Decrease		SI Increase					
	LT	Mod Decrease		Mod Decrease		SI to Mod Decrease					
Nutrient Management - 590	ST	N/A		N/A		N/A					
	LT	SI Decrease		N/A		SI to Mod Decrease					
Fence - 382	ST	Facilitating		Facilitating		SI Increase					
	LT	Facilitating		Facilitating		Insignificant					
Watering Facility - 614	ST	SI to Mod Increase		N/A		SI Decrease					
	LT	SI Increase		N/A		SI Decrease					
Pipeline - 516	ST	N/A		N/A		N/A					
	LT	N/A		N/A		N/A					
Irrigation Water Management - 449	ST	N/A		N/A		N/A					
	LT	N/A		N/A		N/A					
Waterspreading - 640	ST	Situational		Situational		Insignificant					
	LT	Situational		Situational		Insignificant					
Access Road - 560	ST	Situational		Situational		N/A					
	LT	Situational		Situational		N/A					
Critical Area Planting - 342	ST	N/A		N/A		N/A					
	LT	Sig Decrease		SI Decrease		N/A					
Field Border - 386	ST	N/A		N/A		N/A					
	LT	SI Decrease		SI Decrease		N/A					

Site Specific Practice Effects Worksheet (SSPEW)
Candidate Practice List

State:		ALASKA		Offices:		Delta, Homer, Wasilla, Fairbanks, Anchorage, Copper Center		Guidesheet:		AK004 DJ;HO;WA;FB;AN;CC BM			
Client:		N/A						CRA:					
System Name:		Pasture with major access problem											
RESOURCE CONCERNS		Plant Condition; Productivity		Plant Management; Nutrient Management		Animal Habitat; Water		Animal Habitat; Cover &/or Shelter		Animal Management; Animal Health		Water Quality, Surface Water; Suspended Sediments & Turbidity	
CONSERVATION PRACTICES													
Pest Management - 595		ST	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		LT	SI to Mod Decrease	N/A	SI Decrease	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Pest Management - 595		ST	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		LT	SI to Mod Decrease	N/A	SI Decrease	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
		ST											
		LT											
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Site Specific Practice Effects Worksheet (SSPEW)
Candidate Practice List

State:		ALASKA		Offices:		Delta, Homer, Wasilla, Fairbanks, Anchorage, Copper Center		Guidesheet:		AK004 DJ;HO;WA;FB;AN;CC BM	
Client:		N/A						CRA:			
System Name:		Pasture with major access problem									
RESOURCE CONCERNS		Soil Erosion; Concentrated Flow		Soil Erosion; Classic Gully		Animal Management; Animal Health					
CONSERVATION PRACTICES											
Pest Management - 595		ST	N/A	N/A	N/A						
		LT	N/A	N/A	N/A						
Pest Management - 595		ST	N/A	N/A	N/A						
		LT	N/A	N/A	N/A						
		ST									
		LT									
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		ST									
		LT									

B. Alternative # 1

1	STATE	ALASKA
2	FIELD OFFICE	Delta, Homer, Wasilla, Fairbanks, Anchorage, Copper Center
3	MLRA	Interior Alaska Lowlands 174, et al.
4	COMMON RESOURCE AREA (CRA)	
5	RESOURCE INTERPRETATIONS	<i>Enter available interpretative data for each resource</i>
5.1	SOIL	USDA-NRCS Soil Surveys
5.2	WATER	DEC 303(d) List
5.3	AIR	Local Information
5.4	PLANTS	Forage Suitability Group
5.5	ANIMAL	Local Information, T&E List
5.6	HUMAN	Pop. Census, Local Information
6	HYDROLOGIC UNIT	HYDROLOGIC UNIT CODE 1940504
7	SYSTEM TEMPLATE LABEL	AK004 DJ;HO;WA;FB;AN;CC BM
8	SYSTEM NAME	Pasture with major access problems
9	PLANNING PHASE	Alternative 1 CONSERVATION SECURITY PROGRAM
10	PLANNING LEVEL	PROGRESSIVE PLAN
11	NRCS LANDUSE	Pasture
12	PLANNED CONSERVATION PRACTICES	<i>List conservation practices in the system</i>
	1.	Access Road - 560
	2.	Critical Area Planting - 342
	3.	
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B. Alternative # 1

13	SYSTEM NARRATIVE	<i>Describe how the practices work together as a system</i>
	Development of access road and bridge will resolve the soil erosion, sediment and runoff into the stream problem.	

B. Alternative # 1

14	RESOURCE CONCERNS	SYSTEM EFFECTS	IMPACTS
14.1	Plant Condition; Productivity	Grazing management will improve seasonal use	Improved animal health and condition
14.2	Plant Management; Nutrient Management	Nutrient management will minimize contaminated run-off	Perennial forage plants will improve uptake of nutrients; excess will infiltrate into soil
14.3	Animal Habitat; Water	Improved livestock distribution and forage use	Livestock will improve in health and production
14.4	Animal Habitat; Cover &/or Shelter	Windbreak planting will provide an improved animal environment	Improved animal health and condition
14.5	Animal Management; Animal Health	Management and treatment programs will reduce parasite loads	Improved animal health and condition
14.6	Water Quality, Surface Water; Suspended Sediments & Turbidity	Road development will stabilize soil	Stops soil erosion
14.7	Soil Erosion; Concentrated Flow	Road development will stabilize soil	Stops soil erosion
14.8	Soil Erosion; Classic Gully	Road development will stabilize soil	Stops soil erosion
14.9	Animal Management; Animal Health	Grazing management will help avoid insects	Better management of livestock and forage resources
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14.13			
14.14			
14.15			
14.16			
14.17			
14.18			

B. Alternative # 1

15	QUALITY CRITERIA DOCUMENTATION	Does conservation system treat resource concerns?	
		YES	NO
	Plant Condition; Productivity	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Plant Management; Nutrient Management	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Animal Habitat; Water	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Animal Habitat; Cover &/or Shelter	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Animal Management; Animal Health	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Water Quality, Surface Water; Suspended Sediments & Turbidity	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Soil Erosion; Concentrated Flow	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Soil Erosion; Classic Gully	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Animal Management; Animal Health	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>

Resource Management System Options Worksheet (RMSOW)
Alternative # 1

State:		ALASKA		Offices:		Delta, Homer, Wasilla, Fairbanks, Anchorage, Copper Center		Guidesheet:		AK004 DJ,HQ,WA,FB,AN,CC BM		ALASKA		Offices:		Delta, Homer, Wasilla, Fairbanks, Anchorage, Copper Center		Guidesheet:		AK004 DJ,HQ,WA,FB,AN,CC BM	
Client:		N/A						CRA:										CRA:			
System Name:		Pasture with major access problems																			
RESOURCE CONCERNS		Plant Condition; Productivity	Plant Management; Nutrient Management	Animal Habitat; Water	Animal Habitat; Cover &/or Shelter	Animal Management; Animal Health	Water Quality, Surface Water; Suspended Sediments & Turbidity	Soil Erosion; Concentrated Flow	Soil Erosion; Classic Gully	Animal Management; Animal Health											
CONSERVATION PRACTICES																					
Access Road - 560	ST	0	0	+/-	0	-1	+1	+1 to +2	+1	-1											
	LT	+2 to +3	+1 to +2	+/-	+1 to +2	+1 to +2	+1 to +3	+3	+3	+1 to +2											
Critical Area Planting - 342	ST	+1	+1	+1	+1	+1	+1	+1	+1	+1											
	LT	+1 to +3	+2 to +3	+1	+1 to +2	+1 to +2	+3	+3	+3	+1 to +2											
	ST																				
	LT																				
	ST																				
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