Memorandum

Date: December 12, 2019

To: Administrative Record of *Deepwater Horizon* NRDA From: USDA Gulf Coast Ecosystem Restoration Team

Subject: Site-specific environmental compliance documents completed to date for the Mississippi Trustee

Implementation Group's (TIG) Upper Pascagoula Water Quality Enhancement (UPWQE) project

The programmatic environmental compliance review for this project can be found in the *Mississippi Trustee Implementation Group 2016-2017 Restoration Plan/Environmental Assessment* (RP/EA). Conservation practices to be implemented for this project fall within USDA categorical exclusions and therefore would not normally require an environmental assessment or impact statement if implemented under USDA authority. However, because this project is funded under the DWH NRDA consent decree and not all trustees have such categorical exclusions, the Mississippi TIG created an environmental assessment tool-the Environmental Evaluation Worksheet (EEW)--to aid in site-specific component planning, decision-making, and environmental compliance. A separate site-specific EEW is completed for each project component. The first seven EEWs for the UPWQE are included below.

USDA has determined and documented therein that the planned actions will not exceed the maximum adverse impacts described in the RP/EA. There are no actions being proposed that would result in any significant adverse impacts on the environment. The landowner outreach program, conservation planning activities, and creation and implementation of conservation plans do not require further environmental review. Excerpts from the RP/EA relative to the NEPA approach for the UPWQE project are included at the end of this document.

Relative to the projects listed in the table below, site-specific Clean Water Act permits are not required because there are no conservation practices planned for implementation on the banks of or within waters of the United States.

Relative to the projects listed in the table below, site-specific consultation for the National Historic Preservation Act is not required because there are no known or high-probability cultural resources sites located on the treatment acres.

Table of Site-Specific Environmental Evaluation Worksheet

ID	HUC-12 Watershed	County	Acres
1	Upper Sowashee Creek	Lauderdale County	143.7
2	Upper Sowashee Creek	Lauderdale County	28.4
3	Upper Sowashee Creek	Lauderdale County	60.5
4	Dunnagin Creek	Newton	301.8
5	Dunnagin Creek	Newton	219.4
6	Upper Sowashee Creek	Lauderdale County	106
7	Dunnagin Creek	Newton	193

U.C. Connections of Annals design	Macc	CDA 52				
U.S. Department of Agriculture		CPA-52 4/2013	A. Client Name:			!
Natural Resources Conservation Service 4/201 ENVIRONMENTAL EVALUATION WORKSHEET D. Client's Objective(s) (purpose):				caplic	-histo	
ENVIRONMENTAL E	VALUATION WORKSHE	ET	B. Conservation Plan ID # (as Program Authority (opti			
Cliant's Objective(e) (nu	aal	-	C. Identification # (farm, tract			\dashv
	rpose): ity of pasturelands by protecting soil h	nealth,	C. Identification # (idini, tide	, IICIG "	, etc as required).	
	nutrients and animal waste, and imp					
the productivity of adaptable forag	es.					
) ,:						
E. Need for Action:	H. Alternatives			2020	The Appendix of the Appendix o	
Pastureland is overgrazed.	No Action √ if RMS		Alternative 1 √ if RMS		Alternative 2 √ if RMS	; []
Forage quality and quantity is	Leave site as is and with no change		Implement the following practices to			
nadequate for production goals of livestock (beef cattle).			improve health/productivity of pastur Nutrient Management, 382 Fence, 5			
			Stream Crossing, 315 Herbaceous V			
			Control, 342 Critical Area Stabilization			
			Riparian Cover, 576 Shade Structure	e, and		
			561 Heavy Use Area.			
	Re	esou	rce Concerns			
In Section "F" below, analy	ze, record, and address conc	erns lo	dentified through the Resourc	es Inve	entory process.	
	ource Planning Criteria for gu				量 对 经间间	- 2
F. Resource Concerns	I. Effects of Alternatives		A THE WAY COME STATE	VEW 1		
and Existing/ Benchmark	No Action		Alternative 1		Alternative 2	
Conditions	Amount, Status,	√if	Amount, Status,	√if	Amount, Status,	Jif
(Analyze and record the	Description	does	Description	does	Description	does
existing/benchmark		NOT meet		NOT meet	(7	NOT meet
conditions for each identified concern)	(Document both short and	PC	(Document both short and	PC	(Document both short and	PC
	long term impacts)		long term impacts)		long term impacts)	
SOIL: EROSION No resource concern identified						
No resource concern (densited						
No resource concern identified				200		
				NOT		NOI
SOIL: SOIL QUALITY DEGR	RADATION	NOT				
compaction	Continuous grazing and high	П	Implementation of conservation	\Box		\Box
Continuous grazing and high	stocking rates will continue to		practices results in grazing and livestock activities being managed			
stocking rates has resulted in soil	result in soil compaction that makes it hard to push soil probe		to meet Client's production goals			
compaction that makes it hard to	past compacted layers. Livestock		and objectives. Grazing			
push soil probe past compacted	trails will still be common		management will encourage more			
layers. Livestock trails are common throughout the pasture.	throughout the pasture. Infiltration		uniform use of paddocks, manage stocking rates to appropriate levels			
Infiltration capacity is lowered	surface runoff increased due to		over time, and/or adjust the timing	NOT		NOT
and surface runoff increased due		NOT meet	or season of grazing as	NOT meet		NOT meet
to plant cover loss and soil	compaction by livestock hooves.	PC	recommended. Soil compaction	PC		PC
	Decreased rooting depth will continue to reduce plant growth,		will no longer be a problem and activities will not cause soil			
depth that reduces plant growth,	animal habitat and soil biological		compaction problems.			
animal habitat and soil biological	activity, especially on existing					
activity, especially on existing	trails. Overgrazed lands will not					
rails.	heal naturally. Pasture will continue to deteriorate.					
No resource concern identified	continue to deteriorate.					
		NOT.		MOT		NOT
WATER: EXCESS / INSUFF	ICIENT WATER					
No resource concern identified			i e			
		<u>×:</u> ○*		NOT		NOT
WATER: WATER QUALITY	The state of the s					
Excess nutrients in surface and ground waters	Overgrazing will continue. Surface runoff will continue to carry animal		Proper grazing management restricts the transport of soil,			
Overgrazing has resulted in the	waste and nutrients to receiving		animal wastes, and nutrients in			
the reduction or loss of	waters. Overgrazed lands will not		surface runoff by maintaining good			
vegetative cover. Soil has been exposed increasing surface	heal naturally. Water quality will	NOT	vegetative soil coverage. Water	NOT		NOT
runoff that carries animal waste	continue to deteriorate.	meet	quality will improve.	meet		meet
runoff that carries animal waste and nutrient losses from pastures		PC		PC		PC
to nearby surface waters and			j j			
deteriorating the water quality.						
No resource concern identified						
	4.	NOT		NOT		NOT

F. Resource Concerns	I. (continued) No Action		Alternative 1		Alternative 2	
and Existing/ Benchmark Conditions	No Action Amount, Status,	(Q)a3	Amount, Status,		Amount, Status,	
(Analyze and record the existing/benchmark conditions for each identified concern)	Amount, Status, Description (Document both short and long term impacts)	√if does NOT meet PC	Description (Document both short and long term impacts)	√if does NOT meet PC	Description (Document both short and long term impacts)	√if does NOT meet PC
AIR: AIR QUALITY IMPACTS	S				Tax Ivad	
No resource concern identified						
No resource concern identified						
PLANTS: DEGRADED PLAN	IT CONDITION			- 11		
Undesirable plant productivity and health Fields overgrazed, Recovery after grazing takes at least 1 week longer than normal. Plant productivity, vigor and/or quality	Fields will remain overgrazed, Recovery after grazing will take at least 1 week longer than normal. Plant productivity, vigor and/or quality will continue to not meet yield potential due to improper		Proper grazing management will reduce grazing pressure improving productivity and vigor of desirable forage species. Results in rapid plant recovery after grazing. More than 80% of the plants appear			
does not meet yield potential due to improper fertility, management: Yields are regularly at least 10-30% below site potential.	fertility, management: Yields will regularly be at least 10-30% below site potential.	NOT meet PC	turgid and of natural green color. There are no signs of insect or disease damage. Yields are near the potential for the species. Pasture Condition Score > 30.	NOT meet PC		NOT meet PC
Fields overgrazed: contains < 80% desirable species. Undesirable broadleaf weeds	Undesirable weedy and woody species will continue to flourish. Low plant species diversity. Quality and palatability of available forages will remain low.		Proper grazing management will reduce grazing pressure on desirable species. Healthier plants will out compete undesirable invading species. Quality and	U NOT		□ NOT
and annual weedy grasses invading. Some woody species invading. Competetion from undesired plants causes low quality and palatability of		MOT meet PC	palatability of desirable forages will improve. Pasture Condition Score > 30.	NOT meet PC		NOT meet PC
ANIMALS: INADEQUATE H	ABITAT FOR FISH AND WILD	LIFE				
No resource concern identified						
ANIMALS: LIVESTOCK PRO	ODUCTION LIMITATION	i delimi		Haller		
Feed and forage quality or quantity is inadequate for livestock nutritional needs and client's production goals due to overgrazing. Livestock performance and body condition is poor. Health and vigor of the herd has been reduced.	Feed and forage quality or quantity will continue to be inadequate for livestock nutritional needs and client's production goals due to overgrazing. Livestock performance and body condition will remain poor. Health and vigor of the herd is still reduced.	NOT meet PC	Proper grazing management will significantly increase the quantity and quality of desirable forages. Forage, roughage and supplemental nutritional requirements are addressed resulting in livestock nutritional needs being met and livestock performance and body condition improvement. Client's production	NOT meet PC		NOT meet PC
ENERGY: INEFFICIENT EN	ERGY USE	15,585			宣传为关系,以下的对应	
No resource concern identified						
No resource concern identified		NOT				NOT
HUMAN: ECONOMIC AND	SOCIAL CONSIDERATIONS					
Management Level	SOCIAL CONSIDERATIONS No change in management effort.		Increased management to ensure n	nore		
Minimal effort to establish grazing management practices such as stocking rates and/or location and timing of grazing.			uniform use of paddocks, manage s rates to appropriate levels over time and/or adjust the timing or season of grazing as recommended and ensu sustainability of pasturelands	stocking e, of		
Profitability Increasing feed cost, decreasing animal / performance / productivity, farm income limited.		e.	More uniform use of paddocks, mar stocking rates to appropriate levels time, and/or adjusting the timing or of grazing as recommended and en sustainability of pasturelands will re feed cost, improve animal / perform productivity, and boost farm income	over season suring duce nance /		
				are administra		

G. Special Environmental	J. Impacts to Special Envir	onmen		THE P	ndwiff I have new	751
Concerns	No Action	1. 17	Alternative 1		Alternative 2	
(Document existing/ benchmark conditions)	Document all impacts (Attach Guide Sheets as applicable)	√if needs further action	Document all impacts (Attach Guide Sheets as applicable)	Vif needs further action	Document all impacts (Attach Guide Sheets as applicable)	√if needs further action
Clean Air Act Guide Sheet FS1 FS-2 No non-attainment areas in the state	N/A		N/A			
U.S.	No Effect No changes in management practices.		May Effect - Beneficial Proper grazing management restricts the transport of soil, animal wastes, and nutrients in surface runoff by maintaining good vegetative soil coverage. Water			
Coastal Zone Management Guide Sheet Fact Sheet Not located in CZM.	N/A		N/A		100 = 000	
Coral Reefs Guide Sheet Fact Sheet No Coral Reefs present	N/A		N/A			
Cultural Resources / Historic Properties Guide Sheet Fact Sheet No CR present.	No Effect Exempt Practice		No Effect Exempt Practice			
Endangered and Threatened Species Guide Sheet Fact Sheet No T&E species present.	N/A		N/A		121	
Environmental Justice Guide Sheet Fact Sheet No adverse social and economic effects to consider.	N/A		N/A			
Sessential Fish Habitat Guide Sheet Fact Sheet No EFH present.	N/A		N/A		_ = = =	
Floodplain Management Guide Sheet Fact Sheet Not in 100 yr. floodplain,	N/A		N/A			
Invasive Species Guide Sheet Fact Sheet No invasive species present.	N/A		Noxious/invasive species must be monitored and controlled if		a	
Migratory Birds/Bald and Golden Eagle Protection Act Guide Sheet Fact Sheet 143.7 ac. of existing migratory bird habitat; no eagles or nests observed.	No Effect Continuing same practices will result in same habitat.		May Effect - Beneficial Mgt. practices allow for rest periods that provide sufficient time for young of migratory birds to fledge from nests and/or adjust the timing or season of grazing as recommended. 143.7 ac. of migratory bird habitat will be			
Natural Areas Guide Sheet Fact Sheet No natural areas present	N/A		N/A			
Prime and Unique Farmlands Gurde Sheet Fact Sheet 45 ac prime, unique or other important farmland (See soil	No Effect No changes in land use.		No Effect No changes in land use.			
Riparian Area Gurde Sheet Fact Sheet 2 ac of functional riparian area.	No Effect No changes in management practices.		May Effect - Beneficial Grazing mgt. will encourage more uniform use of pastures, manage stocking rates to appropriate levels, &/or adjust the timing/season of grazing as recommended. 2 ac. of riparian area will be enhanced			
Scenic Beauty Guide Sheet Fact Sheet No significant aesthetic qualities identified	N/A		N/A			

•Wetlands Guide Sheet	Fact Sheet	N/A		N/A		· · · · · · · · · · · · · · · · · · ·	
•Wild and Scenic Guide Sheet	Rivers Fact Sheet	N/A		N/A			
K. Other Age Broad Public		No Action		Alternative 1	an f	Alternative 2	Air
Easements, Permi Review, or Permi Agencies Consul	nissions, Public ts Required and			A gracing plan using C-Graze Grazing, Management with Peatury condition Score assessment will be regard Permissions, or permits required. Consult NRCS Are office strif.	ared No exservent	19-100-100	
Cumulative Effect (Describe the cur considered, inclu- present and know regardless of who actions)	nulative impacts ding past, vn future actions			Proper grading management has positive impacts, a gradual for pashures and mishelphotos and mickers a understood administrative for months continued and mickers as a notification of the pashures.	nuintain bealthy! press of		
L. Mitigation (Record actions t minimize, and co				Most practices allow for real periods that provide sub provide sufficent for young of migratory birds to fed	lictural times (fuel po form posite,		
M. Preferred Alternative	v preferred alternative		14619	X			
Atternative	Supporting reason			improvesionhances productivity and health of pr improves condition of domestic animals, meets of			
The significant affected interes	ce of an action mu sts, and the local	ust be analyzed in sever ity. nce or Extraordinary C	15 3 20 10				
The significant affected interes O. Determina Intensity: Ref agency believe down into small fyou answer	tee of an action mists, and the localistion of Significations of Significations of Significations and significant and significant and significant are seen as seen	ince or Extraordinary C y of impact. Impacts may the effect will be benefits. w questions "yes" the ce issues to consider a ferred alternative expecta to historic or cultural residency fects of the preferred alternative have ent? preferred alternative esta about a future considerat ferred alternative known the human environment referred alternative likely ation Procedure Guide S I or historical resources,	circumstance ay be both be ficial. Significated to cause and a site sector of the signification of the significant of	ces eneficial and adverse. A si ficance cannot be avoided the State Environmental I specific NEPA analysis in e significant effects on publicantly affect unique charact k lands, prime farmlands, which is the quality of the human ecertain effects or involve underedent for future actions which is the properticular adverse effect on A sist in this determination. In and threatened species,	gnificant effective terming ar a laison as the required in the late of the lat	afety? e geographic area such as I and scenic rivers, or ecolo kely to be highly controvers	leral paking it or
affected interee O. Determina Intensity: Rei agency believe down into sma If you answer circumstance Yes No	tion of Signification of Signification of Significations of Signif	ince or Extraordinary C y of impact. Impacts may the effect will be benefits. w questions "yes" the ce issues to consider a ferred alternative expects to historic or cultural research ferred alternative have preferred alternative have ent? preferred alternative known the human environment freerred alternative likely ation Procedure Guide S of or historical resources, ones, coral reefs, essent pecies. freeferred alternative threa ent? fige, the data shown or person (e.g. another MS ock to verify the informatic	Circumstanday be both be ficial. Significated to cause and a site state of the cources, park ternative on we highly under the cources, park ternative on a signification? In this form I S TIG Truste	ces eneficial and adverse. A si ficance cannot be avoided the State Environmental I specific NEPA analysis in e significant effects on publicantly affect unique charact k lands, prime farmlands, in the quality of the human ecertain effects or involve un ecedent for future actions we bely expected to have poter idually or cumulatively over inficant adverse effect on A sist in this determination. If and threatened species, tat, wild and scenic rivers, ion of Federal, State, or locality and complete ee) assists with planning the	gnificant effect by terming ar laison as the lay be required ic health or sectoristics of the wetlands, wild invironment lile invironment lile inique or unknown with significant stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially	ere may be extraordinary ed. afety? e geographic area such as and scenic rivers, or ecolor ecly to be highly controvers sown risks on the human are impacts or represent a declar environment impacts to ecial environmental concert, but is not limited to, concert justice, wetlands, floodplates.	deral paking it
The significant affected interest. O. Determination intensity: Reif agency believe down into small flyou answer circumstance. Yes No. A. A. A. B. P. To the best in the case with affected interest.	tion of Signification of Signification of Signification of Significations of Significations of Significations of Significan and Significan and Significan are seen and Significant are seen and Significant are seen and Significant are seen and Significant and Significant are seen and Significant and Significant and Significant and Significant and Significant are seen and Significant and Si	ince or Extraordinary C y of impact. Impacts may the effect will be benefts. w questions "yes" the ce issues to consider a effect alternative expecte to historic or cultural reseas? fects of the preferred alternative have ent? preferred alternative known the human environment referred alternative likely ation Procedure Guide S I or historical resources, ones, coral reefs, essent pecies. referred alternative threa ent? Ige, the data shown or person (e.g. another MS	Circumstanday be both be ficial. Significated to cause and a site state of the cources, park ternative on we highly under the cources, park ternative on a signification? In this form I S TIG Truste	eneficial and adverse. A sificance cannot be avoided the State Environmental I specific NEPA analysis in a significant effects on publicantly affect unique charact k lands, prime farmlands, where the quality of the human ecertain effects or involve unacedent for future actions where the desired in the determination of the dealth of the desired in this determination. In this determination and threatened species, tat, wild and scenic rivers, tion of Federal, State, or location in the desired in the	gnificant effect by terming ar laison as the lay be required ic health or sectoristics of the wetlands, wild invironment lile invironment lile inique or unknown with significant stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially stially	ere may be extraordinary ed. afety? e geographic area such as and scenic rivers, or ecolor exely to be highly controvers sown risks on the human at impacts or represent a decent environment impacts to ecial environmental concert, but is not limited to, concert in justice, wetlands, floodplarian areas, natural areas, a uirements for the protection on the first signature block a	peral paking it

	ompliance Finding (check one) ed alternative:		Action required
X	is a federal action that has been sufficiently analyzed in an to which this environmental evaluation is tiered because the the range of those described in the applicable NEPA docume predicted significant adverse environmental effects or extraor	expected effects are within ent and there are no	Document in "R.1" below. No additional analysis is required.
	is a federal action that has NOT been sufficiently analyzed significant adverse environmental effects or extraordinary circle require an EA or EIS.		Contact the State Environmental Liaison. Further NEPA analysis required.
	e Supporting the Finding		
t.1 Indings Doc	Emirormental Quality Incentives Program, Natural Resources, Conservation Service, Environment Cumentation	Ital Assessment, December 2014	
invironmen Inding indic	idered the effects of the alternatives on the Resource Conce ntal Concerns, and Extraordinary Circumstances as defined in cated above.		
invironmen Inding indications	ntal Concerns, and Extraordinary Circumstances as defined in cated above.		
invironmen Inding indications	ntal Concerns, and Extraordinary Circumstances as defined in cated above. The of Responsible Federal Official:	by Agency regulation and	policy and based on that made
nvironmen Inding indid i. Signaturi	ntal Concerns, and Extraordinary Circumstances as defined in cated above. To of Responsible Federal Official:	by Agency regulation and	policy and based on that made

U.S. Department of Agriculture Natural Resources Conservation Se		-CPA-52 4/2013	A. Client Name:			
	EVALUATION WORKSHE	ET	B. Conservation Plan ID # (as Program Authority (opt			n
	ity of pasturelands by protecting soil excess nutrients and animal waste,		C. Identification # (farm, trac			
E. Need for Action:	H. Alternatives			_		
Pastureland is overgrazed.	No Action √if RMS	s I I	Alternative 1 √ if RMS		Alternative 2 √ if RMS	s I J
Forage quality and quantity is inadequate for production goals of beef cattle.	Leave site as is and with no change management. Forage quality and qu	in antity in	Implement the following practices to prove health/productivity of pasture: 90, 516, 561, 614, 533, 642, 590, 3	382.		
	R	esou	rce Concerns			
	ze, record, and address conc cource Planning Criteria for g			es Inv	entory process.	
F. Resource Concerns	I. Effects of Alternatives		1000	-		
and Existing/ Benchmark	No Action		Alternative 1		Alternative 2	
Conditions (Analyze and record the existing/benchmark conditions for each identified concern)	Amount, Status, Description (Document both short and long term impacts)	√if does NOT meet PC	Amount, Status, Description (Document both short and long term impacts)	√If does NOT meet PC	Amount, Status, Description (Document both short and long term impacts)	√If does NOT meet PC
SOIL: EROSION						
No resource concern identified						
No resource concern identified						MOT
SOIL: SOIL QUALITY DEGR						
Compaction Continuous grazing and high stocking rates has resulted in soil compaction that makes it hard to push soil probe past compacted layers. Livestock trails are common throughout the pasture. Infiltration capacity is lowered land surface runoff increased due to plant cover loss and soil compaction by livestock hooves. This results in decreased rooting depth that reduces plant growth, lanimal habitat and soil biological activity, especially on existing trails.	past compacted layers. Livestock trails will still be common throughout the pasture. Infiltration capacity will remain lowered and surface runoff increased due to	NOT meet PC	Implementation of conservation practices results in grazing and livestock activities being managed to meet Client's production goals and objectives. Grazing management will encourage more uniform use of paddocks, manage stocking rates to appropriate levels over time, and/or adjust the timing or season of grazing as recommended. Soil compaction will no longer be a problem and activities will not cause soil compaction problems.	NOT meet PC	9	NOT meet PC
WATER: EXCESS/INSUFF	CICIENT WATER	NOT		NOT		NOT
No resource concern identified	ICIEIVI WATER					
WATER: WATER QUALITY	DEGRADATION	MOT		NOT		Lint
Excess nutrients in surface and ground waters Overgrazing has resulted in the the reduction or loss of vegetative cover. Soil has been lexposed increasing surface runoff that carries animal waste and nutrient losses from pastures to nearby surface waters and deteriorating the water quality. No resource concern identified	Overgrazing will continue. Surface runoff will continue to carry animal waste and nutrients to receiving waters. Overgrazed lands will not heal naturally. Water quality will continue to deteriorate.	NOT meet PC	Proper grazing management restricts the transport of soil, animal wastes, and nutrients in surface runoff by maintaining good vegetative soil coverage. Water quality will improve.	NOT meet PC	-	NOT meet PC
INO resource concern identified						

F. Resource Concerns	I. (continued)					100
and Existing/ Benchmark	No Action	1.11	Alternative 1		Alternative 2	
Conditions (Analyze and record the existing/benchmark conditions for each identified concern)	Amount, Status, Description (Document both short and long term impacts)	√if does NOT meet PC	Amount, Status, Description (Document both short and long term impacts)	√if does NOT meet PC	Amount, Status, Description (Document both short and long term impacts)	√if does NOT meet PC
AIR: AIR QUALITY IMPACTS	S					
No resource concern identified						
No resource concern identified						
PLANTS: DEGRADED PLAN	IT CONDITION					
Undesirable plant productivity and	Fields will remain overgrazed,		Proper grazing management will			
Fields overgrazed, Recovery after grazing takes at least 1 week longer than normal. Plant productivity, vigor and/or quality does not meet yield potential due to improper fertility, management: Yields are regularly at least 10-30% below site potential.	Recovery after grazing will take at least 1 week longer than normal. Plant productivity, vigor and/or quality will continue to not meet yield potential due to improper fertility, management: Yields will regularly be at least 10-30% below site potential.	NOT meet PC	reduce grazing pressure improving productivity and vigor of desirable forage species. Results in rapid plant recovery after grazing. More than 80% of the plants appear turgid and of natural green color. There are no signs of insect or disease damage. Yields are near the potential for the species.	NOT meet PC		NOT meet PC
Fields overgrazed: contains < 80% desirable species. Undesirable broadleaf weeds and annual weedy grasses invading. Some woody species invading. Competetion from undesired plants causes low quality and palatability of exercises.	Undesirable weedy and woody species will continue to flourish. Low plant species diversity. Quality and palatability of available forages will remain low.	NOT meet PC	Proper grazing management will reduce grazing pressure on desirable species. Healthier plants will out compete undesirable invading species. Quality and palatability of desirable forages will improve.	NOT meet PC		NOT meet PC
ANIMALS: INADEQUATE H	ABITAT FOR FISH AND WILD	LIFE				
No resource concern identified						
ANIMALS: LIVESTOCK PRO	DUCTION LIMITATION			4		
Feed and forage quality or quantity is inadequate for livestock nutritional needs and	Feed and forage quality or quantity will continue to be inadequate for livestock nutritional needs and client's production goals due to overgrazing. Livestock performance and body condition will remain poor. Health and vigor of the herd is still reduced.	NOT meet PC	Proper grazing management will significantly increase the quantity and quality of desirable forages. Forage, roughage and supplemental nutritional requirements are addressed resulting in livestock nutritional needs being met and livestock performance and body condition improvement. Client's production	NOT meet PC		NOT meet PC
					3	П
ENERGY: INEFFICIENT EN	ERGY USE	1	医型规则为现代国际的自由	of State	SERVICE SERVICE SERVICE	7876
No resource concern identified		П		П	2. 4 2.	П
No resource concern identified	-]		NOT		NOT
Berling Same (2)		Ц		ш		ш
Management Level Minimal effort to establish grazing management practices such as stocking rates and/or location and timing of grazing. Profitability Increasing feed cost, decreasing animal / performance / productivity, farm income limited.	No change in management effort. Profitability will continue to decrease	3 .	Increased management to ensure in uniform use of paddocks, manage is rates to appropriate levels over time and/or adjust the timing or season of grazing as recommended and ensusustainability of pasturelands. More uniform use of paddocks, man stocking rates to appropriate levels time, and/or adjusting the timing or of grazing as recommended and ensustainability of pasturelands will refeed cost, improve animal / perform	tocking f re naging over season suring duce	<i>n</i>	

[일본 1]	J. Impacts to Special Envir	ronmen				Sec. 1
Concerns	No Action		Alternative 1		Alternative 2	
(Document existing/ benchmark conditions)	Document all impacts (Attach Guide Sheets as applicable)	√ if needs further action	Document all impacts (Attach Guide Sheets as applicable)	√ if needs further action	Document all impacts (Attach Guide Sheets as applicable)	√if needs further action
Clean Air Act Guide Sheet FS1 FS-2 No non-attainment areas in the state	N/A		N/A			
Clean Water Act / Waters of the U.S. Guide Sheet Fact Sheet 0.25 miles of waters of the U.S. in the grazing area. Non-point source pollution from nutrients.	No Effect No changes in management practices.		May Effect - Beneficial Proper grazing management restricts the transport of soil, animal wastes, and nutrients in surface runoff by maintaining good vegetative soil coverage. Water			
Coastal Zone Management Guide Sheet Fact Sheet Not located in CZM.	N/A		N/A			
Coral Reefs Guide Sheet Fact Sheet No Coral Reefs present.	N/A		N/A			
Cultural Resources / Historic Properties Guide Sheet Fact Sheet No CR present.	No Effect Exempt Practice		No Effect Exempt Practice			
Endangered and Threatened Species Guide Sheet Fact Sheet No T&E species present.	N/A		N/A			
Environmental Justice Guide Sheet Fact Sheet No adverse social and economic effects to consider.	N/A		N/A			
Essential Fish Habitat Guide Sheet Fact Sheet No EFH present.	N/A		N/A			
Floodplain Management Guide Sheet Fact Sheet Not in 100 yr. floodplain.	N/A		N/A		0 0 0 0 0 0	
Invasive Species Guide Sheet Fact Sheet No invasive species present.	N/A		Noxious/invasive species must be monitored and controlled if detected.			
Migratory Birds/Bald and Golden Eagle Protection Act Guide Sheet Fact Sheet 35 ac. of existing migratory bird habitat; no eagles or nests observed.	No Effect Continuing same practices will result in same habitat.		May Effect - Beneficial Mgt. practices allow for rest periods that provide sufficient time for young of migratory birds to fledge from nests and/or adjust the timing or season of grazing as recommended. 35 ac. of migratory bird habitat will be enhanced.			
Natural Areas Guide Sheet Fact Sheet	N/A		N/A			
No natural areas present. Prime and Unique Farmlands Guide Sheet Fact Sheet 3 ac. prime, unique or other important farmland (See soil map.)	No Effect No changes in land use.		No Effect No changes in land use.		T = = =	
Riparian Area Guide Sheet Fact Sheet 0 ac. of functional riparian area.	No Effect No changes in management practices.		May Effect - Beneficial Grazing mgt. will encourage more uniform use of pastures, manage stocking rates to appropriate levels, &/or adjust the timing/season of grazing as recommended. 2 ac. of riparian area will be enhanced.			
Scenic Beauty Guide Sheet Fact Sheet No significant aesthetic qualities identified.	N/A		N/A			

•Wetlands Guide Sheet	Fact Sheet	N/A		N/A		
•Wild and Scenic Guide Sheet	Rivers Fact Sheet	N/A		N/A		
K. Other Agen Broad Public (COLUMN TO SERVICE STATE OF THE PARTY OF THE	No Action		Alternative 1		Alternative 2
Easements, Perm Review, or Permit Agencies Consult	s Required and			A grazing plan using C-Graze Grazing Manageme with Pasture condition Score assessment will be re Permissions, or permits required. Consult NRCS A office staff.	nt Application version 2.0 stured. No easement, rea Office and State	
Cumulative Effect (Describe the cum considered, include present and know regardless of who actions)	ulative impacts ling past, n future actions			Proper graphs management has positive impacts grodus two pastures and waterbodies and reduces undestrable plants to nearby pastures.		
L. Mitigation (Record actions to minimize, and cor	CONTRACTOR PROPERTY AND ADMIT			Mol. practices allow for real periods that provide a provide sufficent for young of micratory birds to the		
M. Preferred Alternative	v preferred alternative			X		
	Supporting reason			Improves/enhances product/vity and health of a improves condition of domestic animals; meets	razing lands, client objectives.	
		alternatives analysis)	local		pgional	national
	e of an action m	ust be analyzed in sev	eral contexts	such as society as a wife	io (indiridiri, ric	
The significance affected interest O. Determinate intensity: Refugency believe down into small fryou answer	e of an action mats, and the local clon of Significates to the severil s that on balance is component par ANY of the belos and significate. Is the preproximity critical are Are the element of the preproximity critical are Are the element of the principle of the Evaluate as cultural are as cultural are consistent of the Evaluate as cultural closes.	ity. Ince or Extraordinary by of impact. Impacts in e the effect will be ben its. Impacts in the effect will be ben its. Impacts of the preferred a preferred alternative expe- its in the preferred a preferred alternative he ent? Impacts of the preferred a preferred alternative expe- its in the preferred a preferred alternative will interest alternative know its interest alternative know its interest alternative like ation Procedure Guide into rhistorical resource	r Circumstance may be both be efficial. Significated to cause cted to cause cted to significate cause cted to significate cause because on the cause cause highly uncompared to the cause cation? In or reasonable interindividually have a significate to assign of the cause signification of the cause cause of the cause	ces eneficial and adverse. A sicance cannot be avoided the State Environmental specific NEPA analysis is significant effects on publicantly affect unique charact lands, prime farmlands, the quality of the human electrain effects or involve is cedent for future actions only expected to have pote dually or cumulatively over inficant adverse effect on sist in this determination, did and threatened species	significant effective in the significant of the significant of the significant of the significant of the significant in the sig	ect may exist even if the Federal in action temporary or by breaking here may be extraordinary ired.
The significance affected interest on Determinate Intensity: Refeagency believe down into small fryou answer circumstances Yes No	e of an action mats, and the local tion of Signification of Signification of Signification of Signification of Signification of the below and signification of the proposition of the proposition of the signification of the significant of the si	ity. Ince or Extraordinary by of impact. Impacts in the effect will be ben its. Ince issues to consider ferred alternative expensions ferred alternative healty preferred alternative healty preferred alternative healty preferred alternative know the human environment ferred alternative like a	r Circumstand nay be both be efficial. Signiff nen contact the rand a site sected to cause cted to signific esources, park alternative on the ave highly uncontained in the reasonability have a signification? If the significant either individually have a significant either ei	ces eneficial and adverse. A sicance cannot be avoided the State Environmental specific NEPA analysis is significant effects on publicantly affect unique chara clands, prime farmlands, the quality of the human exertain effects or involve is cedent for future actions only expected to have potentially or cumulatively over inficant adverse effect on sist in this determination. It and threatened species at, wild and scenic rivers on of Federal, State, or loss accurate and completes) assists with planning	significant effet by terming a Liaison as the may be required by the required	ect may exist even if the Federal in action temporary or by breaking there may be extraordinary ired. Safety? The geographic area such as d and scenic rivers, or ecologicall likely to be highly controversial? The impacts or represent a decision and environment impacts to the pecial environmental concerns? The impacts of the impacts to the pecial environmental concerns? The impacts of the impacts to the pecial environmental concerns?
The significance affected interests. O. Determinate intensity: Refeagency believe down into small if you answer circumstances. Yes No	e of an action mats, and the local cition of Signification of Signification of Significates to the severilist that on balance is that on balance is component part ANY of the below and significate. Is the preproximity critical are a noes the environmanum of the Evaluate coastal of the Evaluate coastal of the Evaluate coastal of the Evaluate of my knowledger a non-NRCS on the second biosephage in the second biosephage	ity. Ince or Extraordinary by of impact. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in expected alternative consider its. Impacts in expected alternative in expected. Impacts in expected alternative the expected. Impacts in expected alternative the expected. Impacts in expected alternative the expected alterna	r Circumstand nay be both be efficial. Signiff nen contact the rand a site sected to cause cted to signific esources, park alternative on the ave highly uncontained in the reasonability have a signification? If the significant either individually have a significant either ei	ces eneficial and adverse. A sicance cannot be avoided the State Environmental specific NEPA analysis is significant effects on publicantly affect unique characteristic lands, prime farmlands, the quality of the human electrain effects or involve is cedent for future actions of the polyenteristic lands and threatened species at, wild and scenic rivers on of Federal, State, or less accurate and complete ea) assists with planning cy.	significant effet by terming a Liaison as the may be required by the required	ect may exist even if the Federal in action temporary or by breaking there may be extraordinary red. safety? The geographic area such as d and scenic rivers, or ecologically ikely to be highly controversial? The impacts or represent a decision and environment impacts to the pecial environmental concerns? It is, but is not limited to, concerns stal justice, wetlands, floodplains, parian areas, natural areas, and equirements for the protection of the protection of the concerns stally in the first signature block and the concerns the protection of the concerns the concerns the protection of the concerns the
The significance affected interest on Determinate Intensity: Refeagency believe down into small fryou answer circumstances Yes No	e of an action mats, and the local cition of Signification of Signification of Significates to the severilist that on balance is that on balance is component part ANY of the below and significate. Is the preproximity critical are an one of my knowledge in the second biomatics.	ity. Ince or Extraordinary by of impact. Impacts in the effect will be ben the effect of the preferred alternative expe- to historic or cultural re the easy? Iffects of the preferred alternative he the ent? The preferred alternative he the human environment the human environment the human environment the effect of the preferred alternative know the human environment the procedure Guide all or historical resource the ent? If the effect will be ben the preferred alternative thrust the preferred alternative thrust the ent? If the effect will be ben the effect will be	r Circumstand nay be both be efficial. Signiff nen contact the rand a site sected to cause cted to signific esources, park alternative on the ave highly uncontained in the reasonability have a signification? If the significant either individually have a significant either ei	ces eneficial and adverse. A sicance cannot be avoided the State Environmental specific NEPA analysis is significant effects on publicantly affect unique charact lands, prime farmlands, the quality of the human discretain effects or involve is cedent for future actions of the polyenter of the p	significant effet by terming a Liaison as the may be required by the required	ect may exist even if the Federal in action temporary or by breaking there may be extraordinary red. safety? The geographic area such as d and scenic rivers, or ecologically ikely to be highly controversial? The impacts or represent a decision and environment impacts to the pecial environmental concerns? It is not limited to, concerns stally justice, wetlands, floodplains, parian areas, natural areas, and quirements for the protection of the gent the first signature block and the

	ompliance Finding (check one) ed alternative:		Action required
X	is a federal action that has been sufficiently analyzed in an to which this environmental evaluation is tiered because the the range of those described in the applicable NEPA docume predicted significant adverse environmental effects or extraor	expected effects are within ent and there are no	Document in "R.1" below. No additional analysis is required.
	is a federal action that has NOT been sufficiently analyzed significant adverse environmental effects or extraordinary circle require an EA or EIS.		Contact the State Environmental Liaison. Further NEPA analysis required.
	e Supporting the Finding		
t.1 Indings Doc	Emirormental Quality Incentives Program, Natural Resources, Conservation Service, Environment Cumentation	Ital Assessment, December 2014	
invironmen Inding indic	idered the effects of the alternatives on the Resource Conce ntal Concerns, and Extraordinary Circumstances as defined in cated above.		
invironmen Inding indications	ntal Concerns, and Extraordinary Circumstances as defined in cated above.		
invironmen Inding indications	ntal Concerns, and Extraordinary Circumstances as defined in cated above. The of Responsible Federal Official:	by Agency regulation and	policy and based on that made
nvironmen Inding indid i. Signaturi	ntal Concerns, and Extraordinary Circumstances as defined in cated above. To of Responsible Federal Official:	by Agency regulation and	policy and based on that made

III Descripted of Activities	Noce	CDA 62	1			_
U.S. Department of Agriculture Natural Resources Corearvation Sc		4/2013	IA Client Name:			
		Tab.	B. Conservation Plan ID # (a	s applic	cable):	
ENVIRONMENTAL E	EVALUATION WORKSHE	ET	Program Authority (op			
D. Client's Objective(s) (pu	Irpose):		C. Identification # (farm, trac			
	lity of pasturelands by protecting soil	health,			,	- 1
E .	s nutrients and animal waste, and im	proving	i			1
the productivity of adaptable forag	ges.					
		_				
E. Need for Action:	H. Alternatives					
Pastureland is overgrazed.	No Action √ If RMS		Alternative 1 VIFRMS		Alternative 2 √ if RMS	s L_]
Forage quality and quantity is inadequate for production goals	Leave site as Is and with no change		Implement the following practices to			
of livestock beef cattle.	management. Forage quality and quality quality and quality and quality and quality quality and quality		improve health/productivity of pastu (Herbaceous Weed Control), 512 (F			
	productivity will remain poor.	idition /	and Hayland Planting), 590 (Nutrier		l .	
			Management).			
	R	05011	rce Concerns			
In Section "E" below analy	ze, record, and address cond		The second secon	oe Inv	entoni process	
	source Planning Criteria for g			SOS HIV	entory process.	
F. Resource Concerns	II. Effects of Alternatives					
and Existing/ Benchmark	No Action		Alternative 1		Alternative 2	
Conditions	Amount, Status,		Amount, Status,		Amount, Status,	
(Analyze and record the	Description	√ If does	Description	√H	Description	√H
existing/benchmark	Description	NOT	Description	does	Description	NOT
conditions for each	(Document both short and	meet	(Document both short and	meet	(Document both short and	meet
identified concern)	long term impacts)	PC	long term Impacts)	PC	long term impacts)	PC
SOIL: EROSION	**************************************					
No resource concern identified	l					
		NOT		NOT		MOT
No resource concern identified						
SOIL: SOIL QUALITY DEGR	PADATION	NOT		NOT		NOT
Compaction	Continuous grazing and high		Implementation of conservation		-	
	stocking rates will continue to		practices results in grazing and	🗀		
Continuous grazing and high	result in soil compaction that		livestock activities being managed			
stocking rates has resulted in soil compaction that makes it hard to	makes it hard to push soil probe past compacted layers. Livestock		to meet Client's production goals and objectives. Grazing			
push soil probe past compacted	trails will still be common		management will encourage more			
layers. Livestock trails are	throughout the pasture. Infiltration		uniform use of paddocks, manage			
common throughout the pasture.			stocking rates to appropriate levels	1 1		
Infiltration capacity is lowered and surface runoff increased due	surface runoff increased due to	NOT	over time, and/or adjust the timing or season of grazing as	NOT		NOT
to plant cover loss and soil	compaction by livestock hooves.	meet	recommended. Soll compaction	meet	*	meet
compaction by livestock hooves.	Decreased rooting depth will	PC	will no longer be a problem and	PC		PC
This results in decreased rooting depth that reduces plant growth,	continue to reduce plant growth,		activities will not cause soil			
animal habitat and soil biological	animal habitat and soil biological activity, especially on existing		compaction problems.			
activity, especially on existing	trails. Overgrazed lands will not					
trails.	heal naturally. Pasture will					
No resource concern identified	continue to deteriorate.	_		-		.02
No resource concern identified						
WATER: EXCESS / INSUFF	ICIENT WATER	NOT	10	NOT		NOT
No resource concern identified	I I I I I I I I I I I I I I I I I I I					
		NOT		NOT		NOT
WATER: WATER QUALITY						
Excess nutrients in surface and pround waters	Overgrazing will continue. Surface		Proper grazing management			
Overgrazing has resulted in the	runoff will continue to carry animal waste and nutrients to receiving	_	restricts the transport of soil, animal wastes, and nutrients in		N N	
the reduction or loss of	waters. Overgrazed lands will not		surface runoff by maintaining good			
vegetative cover. Soil has been	heal naturally. Water quality will	NOT	vegetative soil coverage. Water	NOT		NOT
exposed Increasing surface runoff that carries animal waste	continue to deteriorate.	meet	quality will improve.	meet		meet
and nutrient losses from pastures		PC		PC		PC
to nearby surface waters and		41	8	2		
deteriorating the water quality.						
No resource concern identified						
				煰		NOT

F. Resource Concerns	I. (continued)	H ism				
and Existing/ Benchmark	No Action	19/68	Alternative 1	3835	Alternative 2	
Conditions (Analyze and record the existing/benchmark conditions for each identified concern)	Amount, Status, Description (Document both short and long term impacts)	√if does NOT meet PC	Amount, Status, Description (Document both short and long term impacts)	√if does NOT meet PC	Amount, Status, Description (Document both short and long term impacts)	√if does NOT meet PC
AIR: AIR QUALITY IMPACTS	S CONTRACTOR OF THE STATE OF TH					
No resource concern identified						
No resource concern Identified						
	IT CONDITION					
Fields overgrazed, Recovery after grazing takes at least 1 week longer than normal. Plant productivity, vigor and/or quality does not meet yield potential due to improper fertility, management: Yields are regularly at least 10-30% below site potential.	Fields will remain overgrazed, Recovery after grazing will take at least 1 week longer than normal. Plant productivity, vigor and/or quality will continue to not meet yield potential due to improper fertility, management: Yields will regularly be at least 10-30% below site potential.	NOT meet PC	Proper grazing management will reduce grazing pressure improving productivity and vigor of desirable forage species. Results in rapid plant recovery after grazing. More than 80% of the plants appear turgid and of natural green color. There are no signs of insect or disease damage. Yields are near the potential for the species.	NOT meet PC		NOT meet PC
Fields overgrazed: contains < 75% desirable species. Undesirable broadleaf weeds and annual weedy grasses invading. Some woody species invading. Competetion from undesired plants causes low quality and palatability of	Undesirable weedy and woody species will continue to flourish. Low plant species diversity. Quality and palatability of available forages will remain low.	NOT meet PC	Proper grazing management will reduce grazing pressure on desirable species. Healthier plants will out compete undesirable invading species. Quality and palatability of desirable forages will improve.	NOT meet PC		NOT meet PC
ANIMALS: INADEQUATE H	ABITAT FOR FISH AND WILD	LIFE	MEZINE ELEKTRICA DE LA	4 117	EVEY/ES EXPERIENCE	
No resource concern Identified	7-50					ТП
ANIMALS: LIVESTOCK PRO	ODLICTION LIMITATION					
Feed and forage quality or quantity is inadequate for livestock nutritional needs and	Feed and forage quality or quantity will continue to be inadequate for livestock nutritional needs and client's production goals due to overgrazing. Livestock performance and body condition will remain poor. Health and vigor of the herd is still reduced.	NOT meet PC	Proper grazing management will significantly increase the quantity and quality of desirable forages. Forage, roughage and supplemental nutritional requirements are addressed resulting in livestock nutritional needs being met and livestock performance and body condition improvement. Client's production	NOT meet PC		NOT meet PC
		П		П	- VI. 10.0	I_{\Box}
ENERGY: INEFFICIENT EN	FRGY USE					
No resource concern identified						
No resource concern identified		NOT		NOT	4.	NOT
vo resource concern (dentified				Щ	(3.4.413)	
HUMAN: ECONOMIC AND S	A STATE OF THE STA	12827		18725		707-10
Management Level Minimal effort to establish grazing management practices such as stocking rates and/or location and timing of grazing.	No change in management effort.	-	Increased management to ensure nuiform use of paddocks, manage states to appropriate levels over time and/or adjust the timing or season of grazing as recommended and ensusustainability of pasturelands.	tocking t, of re	*	
Profitability Increasing feed cost, decreasing animal / performance / productivity, farm income limited.	Profitability will continue to decrease	э.	More uniform use of paddocks, mar stocking rates to appropriate levels time, and/or adjusting the timing or of grazing as recommended and en sustainability of pasturelands will re feed cost, improve animal / perform productivity, and boost farm income	over season suring duce ance /		

Special Environmental Concerns: Environmental Laws, Executive Orders, policies, etc. In Section "G" complete and attach Environmental Procedures Guide Sheets for documentation as applicable. Items with a "o" may require a federal permit or consultation/coordination between the lead agency and another government agency. In these cases, effects may need to be determined in consultation with another agency. Planning and practice implementation may proceed for practices not involved in consultation. G. Special Environmental J. Impacts to Special Environmental Concerns Alternative 2 Alternative 1 No Action Concerns JH Document all impacts Document all impacts Document all impacts (Document existing/ needs needs needs benchmark conditions) (Attach Guide Sheets as (Attach Guide Sheets as (Attach Guide Sheets as further furthe further applicable) applicable) applicable) action action action Clean Air Act Guide Sheet FS1 FS-2 N/A N/A No non-attainment areas in the Clean Water Act / Waters of the No Effect May Effect - Beneficial N/A U.S. N/A Guide Sheet Fact Sheet N/A Coastal Zone Management N/A Guide Sheet Fact Sheet N/A 1 1 Not located in CZM. Coral Reefs N/A Guide Sheet Fact Sheet N/A No Coral Reefs present. Cultural Resources / Historic No Effect No Effect Exempt Practice Properties Exempt Practice **Guide Sheet** Fact Sheet No CR present. Endangered and Threatened N/A N/A Species Guide Sheet Fact Sheet No T&E species present. Environmental Justice N/A Guide Sheet Fact Sheet N/A No adverse social and economic effects to consider. Essential Fish Habitat N/A Fact Sheet N/A Guide Sheet No EFH present. Floodplain Management N/A N/A Guide Sheet Fact Sheet l._ l Not in 100 yr. floodplain. Invasive Species N/A Noxious/invasive species must be Guide Sheet Fact Sheet monitored and controlled if No invasive species present. detected. May Effect - Beneficial Migratory Birds/Bald and Golden Eagle Protection Act Mgt. practices allow for rest Continuing same practices will Guide Sheet Fact Sheet result in same habitat. periods that provide sufficient time 60.5 ac. of existing migratory bird for young of migratory birds to habitat; no eagles or nests fledge from nests and/or adjust the timing or season of grazing as observed. recommended. 60.5ac. of migratory bird habitat will be Natural Areas N/A **Guide Sheet** Fact Sheet N/A No natural areas present. No Effect No Effect Prime and Unique Farmlands No changes in land use. Guide Sheet Fact Sheet No changes in land use. 30 ac. prime, unique or other important farmland (See soil May Effect - Beneficial Riparian Area No Effect Fact Sheet N/A N/A Guide Sheet

N/A

N/A

Scenic Beauty

identified.

Guide Sheet

lo significant aesthetic qualities

Fact Sheet

•Wetlands Guide Sheet	Fact Sheet	N/A		N/A		
•Wild and Scenic Guide Sheet	Rivers Fact Sheet	N/A		N/A		
K. Other Agen Broad Public (COLUMN TO SERVICE STATE OF THE PARTY OF THE	No Action		Alternative 1		Alternative 2
Easements, Perm Review, or Permit Agencies Consult	s Required and			A grazing plan using C-Graze Grazing Manageme with Pasture condition Score assessment will be re Permissions, or permits required. Consult NRCS A office staff.	nt Application version 2.0 stured. No easement, rea Office and State	
Cumulative Effect (Describe the cum considered, include present and know regardless of who actions)	ulative impacts ling past, n future actions			Proper graphs management has positive impacts grodus two pastures and waterbodies and reduces undestrable plants to nearby pastures.		
L. Mitigation (Record actions to minimize, and cor	CONTRACTOR PROPERTY AND ADMIT			Mol. practices allow for real periods that provide a provide sufficent for young of micratory birds to the		
M. Preferred Alternative	v preferred alternative			X		
	Supporting reason			Improves/enhances product/vity and health of a improves condition of domestic animals; meets	razing lands, client objectives.	
		alternatives analysis)	local		pgional	national
	e of an action m	ust be analyzed in sev	eral contexts	such as society as a wife	io (indiridiri, ric	
The significance affected interest O. Determinate intensity: Refugency believe down into small fryou answer	e of an action mats, and the local clon of Significates to the severil s that on balance is component par ANY of the belos and significate. Is the preproximity critical are Are the element of the preproximity critical are Are the element of the principle of the Evaluate as cultural are as cultural are consistent of the Evaluate as cultural closes.	ity. Ince or Extraordinary by of impact. Impacts in e the effect will be ben its. Impacts in the effect will be ben its. Impacts of the preferred a preferred alternative expe- its in the preferred a preferred alternative he ent? Impacts of the preferred a preferred alternative expe- its in the preferred a preferred alternative will interest alternative know its interest alternative know its interest alternative like ation Procedure Guide into rhistorical resource	r Circumstance may be both be efficial. Significated to cause cted to cause cted to significate cause cted to significate cause because on the cause cause highly uncompared to the cause cation? In or reasonable interindividually have a significate to assign of the cause signification of the cause cause of the cause	ces eneficial and adverse. A sicance cannot be avoided the State Environmental specific NEPA analysis is significant effects on publicantly affect unique charact lands, prime farmlands, the quality of the human electrain effects or involve is cedent for future actions only expected to have pote dually or cumulatively over inficant adverse effect on sist in this determination, did and threatened species	significant effective in the significant of the significant of the significant of the significant of the significant in the sig	ect may exist even if the Federal in action temporary or by breaking here may be extraordinary ired.
The significance affected interest on Determinate Intensity: Refeagency believe down into small fryou answer circumstances Yes No	e of an action mats, and the local tion of Signification of Signification of Signification of Signification of Signification of the below and signification of the proposition of the proposition of the signification of the significant of the si	ity. Ince or Extraordinary by of impact. Impacts in the effect will be ben its. Ince issues to consider ferred alternative expensions ferred alternative healty preferred alternative healty preferred alternative healty preferred alternative know the human environment ferred alternative like a	r Circumstand nay be both be efficial. Signiff nen contact the rand a site sected to cause cted to signific esources, park alternative on the ave highly uncontained in the reasonability have a signification? If the significant either individually have a significant either ei	ces eneficial and adverse. A sicance cannot be avoided the State Environmental specific NEPA analysis is significant effects on publicantly affect unique chara clands, prime farmlands, the quality of the human exertain effects or involve is cedent for future actions only expected to have potentially or cumulatively over inficant adverse effect on sist in this determination. It and threatened species at, wild and scenic rivers on of Federal, State, or loss accurate and completes) assists with planning	significant effet by terming a Liaison as the may be required by the required	ect may exist even if the Federal in action temporary or by breaking there may be extraordinary ired. Safety? The geographic area such as d and scenic rivers, or ecologicall likely to be highly controversial? The impacts or represent a decision and environment impacts to the pecial environmental concerns? The impacts of the impacts to the pecial environmental concerns? The impacts of the impacts to the pecial environmental concerns?
The significance affected interests. O. Determinate intensity: Refeagency believe down into small if you answer circumstances. Yes No	e of an action mats, and the local cition of Signification of Signification of Significates to the severilist that on balance is that on balance is component part ANY of the below and significate. Is the preproximity critical are an one of my knowledge in the second biomatics.	ity. Ince or Extraordinary by of impact. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in e the effect will be ben its. Impacts in expected alternative consider its. Impacts in expected alternative in expected. Impacts in expected alternative the expected. Impacts in expected alternative the expected. Impacts in expected alternative the expected alterna	r Circumstand nay be both be efficial. Signiff nen contact the rand a site sected to cause cted to signific esources, park alternative on the ave highly uncontained in the reasonability have a signification? If the significant either individually have a significant either ei	ces eneficial and adverse. A sicance cannot be avoided the State Environmental specific NEPA analysis is significant effects on publicantly affect unique characteristic lands, prime farmlands, the quality of the human electrain effects or involve is cedent for future actions of the polyenteristic lands and threatened species at, wild and scenic rivers on of Federal, State, or less accurate and complete ea) assists with planning cy.	significant effet by terming a Liaison as the may be required by the required	ect may exist even if the Federal in action temporary or by breaking there may be extraordinary red. safety? The geographic area such as d and scenic rivers, or ecologically ikely to be highly controversial? The impacts or represent a decision and environment impacts to the pecial environmental concerns? It is, but is not limited to, concerns stal justice, wetlands, floodplains, parian areas, natural areas, and equirements for the protection of the protection of the concerns stally in the first signature block and the concerns the protection of the concerns the concerns the protection of the concerns the
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	ompliance Finding (check one) ed alternative:		Action required
X	is a federal action that has been sufficiently analyzed in an to which this environmental evaluation is tiered because the the range of those described in the applicable NEPA docume predicted significant adverse environmental effects or extraor	Document in "R.1" below. No additional analysis is required.	
	is a federal action that has NOT been sufficiently analyzed significant adverse environmental effects or extraordinary circle require an EA or EIS.		Contact the State Environmental Liaison. Further NEPA analysis required.
	e Supporting the Finding		
t.1 Indings Doc	Emirormental Quality Incentives Program, Natural Resources, Conservation Service, Environment Cumentation	Ital Assessment, December 2014	
invironmen Inding indic	idered the effects of the alternatives on the Resource Conce ntal Concerns, and Extraordinary Circumstances as defined in cated above.		
invironmen Inding indications	ntal Concerns, and Extraordinary Circumstances as defined in cated above.		
invironmen Inding indications	ntal Concerns, and Extraordinary Circumstances as defined in cated above. The of Responsible Federal Official:	by Agency regulation and	policy and based on that made
nvironmen Inding indid i. Signaturi	ntal Concerns, and Extraordinary Circumstances as defined in cated above. To of Responsible Federal Official:	by Agency regulation and	policy and based on that made

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U.S. Department of Agriculture Natural Resources Conservation Se		-CPA-52 4/2013	A. Client Name:			
			B. Conservation Plan ID # (a	s applic	cable):	
ENVIRONMENTAL	EVALUATION WORKSHE	:E I	Program Authority (op			
D. Client's Objective(s) (pu			C. Identification # (farm, trac	t, field	#, etc as required):	
	lity of pasturelands by improving pasing be proper distribution of grazing & be					
,,	bjectives: reduce / eliminate need fo					
livestock to be in streams, and im	•					
E. Need for Action:	H. Alternatives					
Quantity, quality and/or	No Action √ if RMS	3	Alternative 1 √ if RMS	S 🗸	Alternative 2 √ if RM	s 🔲
distribution of drinking water is insufficient to maintain health or	Leave site as is and with no change	in	Improve health/productivity of pastu	-		
client's production goals for	management. Watering places will continue to be lacking. Forage quali	ty and	providing fencing to keep livestock streams in a planned grazing syster			
livestock. improve the health of	quantity will continue to decline. An	-	Fence; 614 Watering Facility; 578 S			
livestock, reduce waste in	condition / productivity will remain p	oor.	Crossing; 460 Land Clearing; Nutrie	ent		
streams, and improve water quality.			managenment; 315 Herbaceous W Treatment	eed		
quanty.			Treatment			
In Coation "F" below and	ze, record, and address conc		rce Concerns	see Inv		
	ze, record, and address cond source Planning Criteria for g			es inv	entory process.	
F. Resource Concerns	I. Effects of Alternatives	araarro				
and Existing/ Benchmark	No Action		Alternative 1		Alternative 2	
Conditions	Amount, Status,	√if	Amount, Status,	√ if	Amount, Status,	√if
(Analyze and record the	Description	does	Description	does	Description	does
existing/benchmark conditions for each		NOT		NOT		NOT meet
identified concern)	(Document both short and	meet PC	(Document both short and	meet PC	(Document both short and	PC
,	long term impacts)		long term impacts)		long term impacts)	
SOIL: EROSION No resource concern identified						
No resource concern identified				HH		HH
SOIL: SOIL QUALITY DEGR	RADATION					
Compaction	Due to continued limited/lack of		Implementation of conservation			
Limited/lack of watering facilities	watering facilities, livestock will still travel between feeding areas &		practices results in grazing and livestock activities being			
forces livestock to travel between	watering sites resulting in		dispersed. Grazing management			
feeding areas & watering sites	overused livestock trails /		combined with adequate water			
resulting in overused livestock trails & concentrated heavy use	concentrated heavy use areas. Soil		sources will encourage more			
areas around water sources.	compaction will continue to be a problem. Infiltration capacity will		uniform use of paddocks. Soil compaction will no longer be a			
These areas are characterized	remain lowered and surface runoff		problem and future activities will			
by soil compaction that makes it hard to push soil probe past	increased due to plant cover loss	NOT	not cause soil compaction	NOT		NOT
compacted layers. Infiltration	and soil compaction by livestock hooves. Decreased rooting depth	meet PC	problems.	meet PC		meet PC
capacity is lowered & surface	will continue to reduce plant growth					
runoff increased due to plant	and soil biological activity,					
cover loss & soil compaction by livestock hooves. This results in	especially on existing trails.					
decreased rooting depth that						
reduces plant growth & soil						
biological activity. No resource concern identified						Н
WATER: EXCESS / INSUFF	ICIENT WATER					
No resource concern identified						
WATER: WATER QUALITY	DEGRADATION					
Excess nutrients in surface and ground waters	Livestock concentration will	П	Adequate watering facilities	П		
Lack of watering facilities causes	continue. Surface runoff will continue to carry animal waste and		encourage livestock to disperse. Proper grazing management			
livestock to concentrate in the	nutrients to receiving waters.		restricts the transport of soil,			
same areas, resulting in the	Lands will not heal naturally. Water		animal wastes, and nutrients in			
reduction or loss of vegetative cover. Soil has been exposed	quality will continue to deteriorate.	NOT	surface runoff by maintaining good vegetative soil coverage. Water	NOT		NOT
increasing surface runoff that		meet	quality will improve.	meet		meet
carries animal waste and nutrient		PC		PC		PC
losses from pastures to nearby surface waters, deteriorating						
water quality.						
No resource concern identified		П				

No Action It, Status, cription both short and mimpacts) No action No acti	√ if does NOT meet PC NOT meet PC NOT meet PC	Alternative 1 Amount, Status, Description (Document both short and long term impacts) Proper grazing management and adequate watering facilities will improve livestock distribution and reduce grazing pressure improving productivity and vigor of desirable forage species. Yields are near the potential for the species. Pasture Condition Score > 30. Proper grazing management and adequate watering facilities will improve livestock distribution and reduce grazing pressure on desirable species. Healthier plants will out compete undesirable invading species. Quality and palatability of desirable forages will improve. Pasture Condition Score	NOT meet PC	Alternative 2 Amount, Status, Description (Document both short and long term impacts)	Vif does NOT meet PC
both short and m impacts) Non overgrazed. y, vigor and/or nue to not meet ue to improper ment: Yields will east 10-30% below CS will remain < 30 vigor factor remain edy and woody tinue to flourish. es diversity. Quality	NOT meet PC	Amount, Status, Description (Document both short and long term impacts) Proper grazing management and adequate watering facilities will improve livestock distribution and reduce grazing pressure improving productivity and vigor of desirable forage species. Yields are near the potential for the species. Pasture Condition Score ≥ 30. Proper grazing management and adequate watering facilities will improve livestock distribution and reduce grazing pressure on desirable species. Healthier plants will out compete undesirable invading species. Quality and palatability of desirable forages will improve. Pasture Condition Score	NOT meet PC	Amount, Status, Description (Document both short and	NOT meet PC
n overgrazed. y, vigor and/or nue to not meet ue to improper ment: Yields will east 10-30% below CS will remain < 30 vigor factor remain edy and woody tinue to flourish. es diversity. Quality	NOT meet PC	adequate watering facilities will improve livestock distribution and reduce grazing pressure improving productivity and vigor of desirable forage species. Yields are near the potential for the species. Pasture Condition Score ≥ 30. Proper grazing management and adequate watering facilities will improve livestock distribution and reduce grazing pressure on desirable species. Healthier plants will out compete undesirable invading species. Quality and palatability of desirable forages will improve. Pasture Condition Score	NOT meet PC		meet PC
n overgrazed. y, vigor and/or nue to not meet ue to improper ment: Yields will east 10-30% below CS will remain < 30 vigor factor remain edy and woody tinue to flourish. es diversity. Quality	NOT meet PC	adequate watering facilities will improve livestock distribution and reduce grazing pressure improving productivity and vigor of desirable forage species. Yields are near the potential for the species. Pasture Condition Score ≥ 30. Proper grazing management and adequate watering facilities will improve livestock distribution and reduce grazing pressure on desirable species. Healthier plants will out compete undesirable invading species. Quality and palatability of desirable forages will improve. Pasture Condition Score	NOT meet PC		meet PC
n overgrazed. y, vigor and/or nue to not meet ue to improper ment: Yields will east 10-30% below CS will remain < 30 vigor factor remain edy and woody tinue to flourish. es diversity. Quality	NOT meet PC	adequate watering facilities will improve livestock distribution and reduce grazing pressure improving productivity and vigor of desirable forage species. Yields are near the potential for the species. Pasture Condition Score ≥ 30. Proper grazing management and adequate watering facilities will improve livestock distribution and reduce grazing pressure on desirable species. Healthier plants will out compete undesirable invading species. Quality and palatability of desirable forages will improve. Pasture Condition Score	NOT meet PC		meet PC
y, vigor and/or nue to not meet ue to improper ment: Yields will east 10-30% below CS will remain < 30 vigor factor remain edy and woody tinue to flourish. es diversity. Quality	NOT meet PC	adequate watering facilities will improve livestock distribution and reduce grazing pressure improving productivity and vigor of desirable forage species. Yields are near the potential for the species. Pasture Condition Score ≥ 30. Proper grazing management and adequate watering facilities will improve livestock distribution and reduce grazing pressure on desirable species. Healthier plants will out compete undesirable invading species. Quality and palatability of desirable forages will improve. Pasture Condition Score	NOT meet PC		meet PC
edy and woody tinue to flourish. es diversity. Quality	meet PC NOT meet	Proper grazing management and adequate watering facilities will improve livestock distribution and reduce grazing pressure on desirable species. Healthier plants will out compete undesirable invading species. Quality and palatability of desirable forages will improve. Pasture Condition Score	meet PC		meet PC
tinue to flourish. es diversity. Quality	meet	adequate watering facilities will improve livestock distribution and reduce grazing pressure on desirable species. Healthier plants will out compete undesirable invading species. Quality and palatability of desirable forages will improve. Pasture Condition Score	meet		meet
	meet	reduce grazing pressure on desirable species. Healthier plants will out compete undesirable invading species. Quality and palatability of desirable forages will improve. Pasture Condition Score	meet		meet
		> 30.	PC		
FISH AND WILDL	LIFE	D + 6 + 1 + 1 + 1 1 1 1			
acilities such as ks will continue to ape structures & o wildlife that e livestock watering	NOT meet PC	Retrofit watering facilities with wildlife escape structures & ensure new watering facilities are fitted with escape structures to decrease danger to wildlife that attempt to share livestock watering facilities.	NOT meet PC		NOT meet PC
MITATION					
and/or distribution r will remain aintain livestock production goals. Intinue to be forced in feeding areas &	NOT meet PC	Quantity, quality and/or distribution of drinking water is sufficient to maintain livestock health and client's production goals. Closer water sources will encourage livestock to visit water in smaller numbers; spend less time socializing; return to grazing sooner. Result: increasing productivity; livestock performance and body condition will improve; and health and vigor of the herd will increase.	NOT meet PC		NOT meet PC
		livestock water sources. Result: inc	reasing and		
	SIDERATIONS anagement effort.		will increase. SIDERATIONS anagement effort. Increased management to establist livestock water sources. Result: inc productivity; livestock performance body condition will improve; and he	will increase. SIDERATIONS anagement effort. Increased management to establish livestock water sources. Result: increasing productivity; livestock performance and	will increase. SIDERATIONS anagement effort. Increased management to establish livestock water sources. Result: increasing productivity; livestock performance and body condition will improve; and health and

G. Special Environmental	J. Impacts to Special Enviro	onmen	tal Concerns			
Concerns	No Action		Alternative 1		Alternative 2	
(Document existing/	Document all impacts	√ if	Document all impacts	√ if	Document all impacts	√ if
benchmark conditions)	(Attach Guide Sheets as	needs further	(Attach Guide Sheets as	needs further	(Attach Guide Sheets as	needs further
	applicable)	action	applicable)	action	applicable)	action
●Clean Air Act						
Guide Sheet FS1 FS-2	N/A		N/A			1 🖂
No non-attainment areas in the						
state ◆Clean Water Act / Waters of the	May Effect		May Effect - Beneficial			
U.S.	Surface runoff and livestock loafing		Implementation of fencing, ponds			1 —
Guide Sheet Fact Sheet	in streams will continue to carry		and/or troughs restrict the transport			
3 miles of waters of the U.S.	animal waste,nutrients and soil to		of soil, animal wastes, and			
in the grazing area. Non-point	nearby surface waters continuing		nutrients into streams and improve			
source pollution from nutrients.	to deteriorate water quality.		water quality.			
Coastal Zone Management						
Guide Sheet Fact Sheet	N/A		N/A			1
Not located in CZM.						
Coral Reefs						
Guide Sheet Fact Sheet	N/A		N/A			
No Coral Reefs present. Oultural Resources / Historic			No Effect			
Properties	N/A		Review Required: 378 Pond; 516			1 🖂
Guide Sheet Fact Sheet			Pipeline; and 561 Heavy Use Area			
No CR present.			Protection: see MS-CR-1			
●Endangered and Threatened						
Species	N/A		N/A			
Guide Sheet Fact Sheet						
No T&E species present. Environmental Justice						
Guide Sheet Fact Sheet	N/A		N/A	_		l
No adverse social and economic	IWA	Ш	TW/A			
effects to consider.						
Essential Fish Habitat						
Guide Sheet Fact Sheet	N/A		N/A			1 🖂
No EFH present.						
Floodplain Management						
Guide Sheet Fact Sheet	N/A		N/A			
Not in 100 yr. floodplain. Invasive Species						
Guide Sheet Fact Sheet	N/A		N/A			1
No invasive species present.				Ш		ГШ
●Migratory Birds/Bald and	No Effect		May Effect - Beneficial			
Golden Eagle Protection Act						
Guide Sheet Fact Sheet						
Natural Areas						-
Guide Sheet Fact Sheet	N/A		N/A			1
No natural areas present.	1911		13.1	Ш		
Prime and Unique Farmlands	No Effect		No Effect			
Guide Sheet Fact Sheet	No changes in land use.		No changes in land use.			
Riparian Area	No Effect		May Effect - Beneficial			
Guide Sheet Fact Sheet	No changes in management		Grazing mgt. will encourage more			1 🖂
_0 ac. of functional riparian	practices.		uniform use of pastures, manage			
area.			stocking rates to appropriate			
			levels, &/or adjust the timing/season of grazing as			
			recommended4_ ac. of			
			riparian area will be enhanced.			
Scenic Beauty						
Guide Sheet Fact Sheet	N/A		N/A			ΙП
No significant aesthetic qualities				_		I
identified.						

Wetlands											
Guide Sheet	Fact Sheet										
Wild and Scenie Gulde Sheet	c Rivers Fact Sheet	-									
C. Other Age Broad Public			No Action		A	Iternative 1			Altern	ative 2	
Essements, Perro Review, or Permi Agencies Consul	its Required and										
Aumulative Effect Describe the cur considered, inclu- present and know egardless of who actions)	mulative impacts ding past, vn future actions										
Mitigation Record actions t ninimize, and co											
W. Preferred Alternative	v preferred alternative				SHAP.		A REAL				
	Supporting mason										
	The second second										
V. Context (R	lecord context of	f alternatives	analysis)								
The significance	e of an action i	nust be analy		al contexts s	uch as socie	ty as a whol	e (human,	national),	the affecte	ed region, th	8
The significant affected intere D. Determina	ce of an action i sts, and the loc tion of Signific	nust be analy ality. ance or Ext	yzed in sever	ircumstance	D8						
The significance affected interest. D. Determinate the significance agency believed down into smale for your answer circumstance.	ce of an action i sts, and the loc	nust be analy ality. ance or Ext ity of impact ce the effect arts. low question	yzed in sever traordinary C . Impacts ma will be benefi ns "yes" the	Fircumstance y be both ber icial. Signific	es neficial and a ance canno e State Env	adverse. A si I be avoided	ignificant e by terming Liaison as	ffect may an action there ma	exist even temporary	if the Fede y or by brea	al
The significance iffected interests. D. Determinantensity: Religency believe lown into smale for your answer.	ee of an action ists, and the location of Signification o	nust be analy ality. Lance or Extrict of impact ce the effect arts. Low question are issues to eferred alternate alternate or to historic or reas?	raordinary C Impacts ma will be benefi ns "yes" there to consider a native expecte native expecte or cultural rese	ircumstance y be both bettelel. Significant n contact the and a site speed to cause seed to significate ources, park	es neficial and description of the estate Environmental State ecific NEP. significant effect usually affect usually affect usually of	adverse. A silbe avoided ironmental in A analysis meters on publinique character farmlands, withe human e	ignificant e by terming Lialson as nay be req ic health o cteristics of wetlands, v	ffect may an action there may ulred. r safety? f the geogyild and so	exist even temporary y be extra raphic area cenic rivers be highly c	if the Federy or by breamordinary a such as a, or ecological controversia	ral king it cally
The significance affected interest. D. Determination intensity: Relagency believe down into smale fyou answer circumstance Yes No	se of an action is sts, and the location of Signification	nust be analy ality. Lance or Extrict of impact the effect arts. Low question are issues to eferred alternate alternate or to historic or eas? Low effects of the expresent?	raordinary C Impacts ma will be benefi ns "yes" ther to consider a native expecte native expecte or cultural rese	ircumstance y be both bettelled. Significant n contact the and a site spector ed to cause seed to significate ources, park ernative on the	es neficial and a sance canno e State Envi pecific NEP significant effect u lands, prime ne quality of pertain effects	adverse. A si libe avoided ironmental i A analysis m fects on publinique charact farmlands, v the human e	ignificant e by terming Lialson as nay be req ic health o cteristics of wetlands, v	ffect may an action there ma ulred. r safety? f the geog vild and so t likely to l hknown ris	exist even temporary y be extra raphic area cenic rivers be highly c	if the Feder y or by brea nordinary a such as a, or ecologic controversia human	ral king it cally
The significance affected interes. D. Determination intensity: Refagency believed down into smale f you answer circumstance Yes No	ee of an action ists, and the location of Signification o	nust be analy ality. Lance or Extrity of impact to the effect arts. Lance issues to the effect alternate	raordinary C Impacts ma will be benefi ns "yes" there to consider a native expects or cultural resor preferred alternative hav Iternative esta re considerat native known	ircumstance y be both ber iclal. Significan n contact the and a site specification and a site sp	es neficial and a sance canno e State Environment of the control o	adverse. A sit be avoided ironmental if A analysis meters on publication of farmlands, with the human east or involve usure actions we have poter	ignificant e by terming Lialson as nay be req ic health o cteristics or wetlands, v environmen nique or un vith signific	ffect may an action there may uired. r safety? f the geographic and so the likely to lake the may ant impact	exist even temporary y be extra raphic area cenic rivers be highly c	if the Feder y or by brea nordinary a such as s, or ecologic controversia human sent a decis	ral king it cally
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NRCS Is		The following sections are to be completed by the Responsible Fed RFO if the action is lead federal agency for NRDA-funded actions planned by NRCS.	eral Official (RFO)
		empliance Finding (check one) 1 alternative:	Action required
The prese	/	is a federal action that has been sufficiently analyzed in an existing NEPA document to which this environmental evaluation is tiered because the expected effects are within the range of those described in the applicable NEPA document and there are no predicted significant adverse environmental effects or extraordinary circumstances.	
]	is a federal action that has NOT been sufficiently analyzed or may involve predicted significant adverse environmental effects or extraordinary circumstances and may require an EA or EIS.	Contact the State Environmental Liaison. Further NEPA analysis required.
I have con Environm finding in	onsid menti indica	dered the effects of the alternatives on the Resource Concerns, Economic and Social and Concerns, and Extraordinary Circumstances as defined by Agency regulation and ated above. of Responsible Federal Official: Signature Additional notes	
		Additional notes	

The second second second		ī., -				
U.S. Department of Agriculture Natural Resources Conservation Se		-CPA-52 4/2013	A. Client Name:			
	EVALUATION WORKSHE		B. Conservation Plan ID # (as Program Authority (opt			
D. Client's Objective(s) (pu	urpose):		C. Identification #	ioriai).		
	lity of pasturelands by improving past					
	of grazing & better grassland manag ock to be in streams, and improve wa		Major objectives:			
leduce / emminate need for livesto	ck to be in streams, and improve wa	tei quai	ty.			
E. Need for Action:	H. Alternatives					- 27
Quantity, quality and/or	No Action √ if RMS		Alternative 1 √ if RMS		Alternative 2 √ if RMS	
distribution of drinking water is insufficient to maintain health or	Leave site as is and with no change	in	Improve health/productivity of pastur			
client's production goals for	management. Watering places will continue to be lacking. Forage quality	tv and	providing fencing to keep livestock of streams in a planned grazing system			
livestock. improve the health of	quantity will continue to decline. An	•	Fence; 578 Stream Crossing; Nutric			- 1
livestock, reduce waste in streams, and improve water	condition / productivity will remain po	oor.	managenment; 315 Herbaceous We		l	
quality.	1		Treatment; Riparian Herbaceous Co 390; Livestock Pipeline 516; Heavy			
,,	1		Area 561; Water Facility 614	030		
	R	esou	rce Concerns			
	ze, record, and address conc			es Inv	entory process.	
	source Planning Criteria for gu	uidano	e).			
F. Resource Concerns and Existing/ Benchmark	No Action		Alternative 1	Harri I	Alternative 2	
Conditions	Amount Status Description	٧If	Amount Status Description	411		√H
(Analyze and record the	Amount, Status, Description	does	Amount, Status, Description	does	Amount, Status, Description	does
existing/benchmark	(Document both short and	NOT	(Document both short and	NOT	(Document both short and	NOT
conditions for each	long term impacts)	meet PC	long term impacts)	PC	long term impacts)	PC
identified concern)						
SOIL: EROSION No resource concern identified						
No resource concern identified		[4]				
SOIL: SOIL QUALITY DEGR	RADATION	Lad		Lad		
Compaction	Due to continued limited/lack of		Implementation of conservation			
Limited/lack of watering facilities	watering facilities, livestock will still		practices results in grazing and			
	travel between feeding areas & watering sites resulting in overused		livestock activities being dispersed. Grazing management combined		1	
feeding areas & watering sites	livestock trails / concentrated		with adequate water sources will			
resulting in overused livestock	heavy use areas. Soil compaction		encourage more uniform use of		1	
trails & concentrated heavy use areas around water sources.	will continue to be a problem.		paddocks. Soil compaction will no			
These areas are characterized	Infiltration capacity will remain lowered and surface runoff		longer be a problem and future activities will not cause soil			F .
	increased due to plant cover loss	NOT	compaction problems.	NOT	i	NOT
hard to push soil probe past	and soil compaction by livestock	meet PC		meet PC	1	meet PC
compacted layers. Infiltration capacity is lowered & surface	hooves. Decreased rooting depth will continue to reduce plant growth			' ~	1	'
runoff increased due to plant	and soil biological activity,				1	
cover loss & soil compaction by	especially on existing trails.				I	
livestock hooves. This results in decreased rooting depth that					ľ	
reduces plant growth & soil			1		1	
No resource concern identified				<u> </u>		
WATER: EXCESS / INSUFF	ICIENT WATER					
No resource concern dentified						
WATER: WATER QUALITY Excess nutrients in surface and						
ground waters	Livestock concentration will continue. Surface runoff will		Adequate watering facilities encourage livestock to disperse.			
Lack of watering facilities causes			Proper grazing management			
livestock to concentrate in the	nutrients to receiving waters.		restricts the transport of soil,			
same areas, resulting in the reduction or loss of vegetative	Lands will not heal naturally. Water quality will continue to deteriorate.		animal wastes, and nutrients in surface runoff by maintaining good		1	
cover. Soil has been exposed	quality will continue to deteriorate.	NOT	vegetative soil coverage. Water	NOT	I	NOT
increasing surface runoff that	1	meet PC	quality will improve.	meet PC		meet PC
carries animal waste and nutrient losses from pastures to nearby		'		' ັ		[]
Surface waters, deteriorating						
water quality.						
No resource concern intelliging	1490					11

F. Resource Concerns	I. (continued)			11, 21	STANDARD AND ASSESSME	NVI O
and Existing/ Benchmark	No Action		Alternative 1		Alternative 2	
(Analyze and record the existing/benchmark conditions for each identified concern)	Amount, Status, Description (Document both short and long term impacts)	√if does NOT meet PC	Amount, Status, Description (Document both short and long term impacts)	√if does NOT meet PC	Amount, Status, Description (Document both short and long term impacts)	√if does NOT meet PC
AIR: AIR QUALITY IMPACTS	S					
No resource concern identified No resource concern identified		Д.				П.
PLANTS - PLANTS	IT CONDITION:		Remarks the second second		AND THE PERSON NAMED IN	
Limited/lack of watering facilities caused uneven grazing distribution resulting in overgrazing of certain areas. Plant productivity, vigor &/or quality does not meet yield potential due to improper fertility, management: Yields are at least 10-30% below site potential. PCS < 30 & PCS plant vigor factor < 4.	Fields will remain overgrazed. Plant productivity, vigor and/or quality will continue to not meet yield potential due to improper fertility, management: Yields will regularly be at least 10-30% below site potential. PCS will remain < 30 and PCS plant vigor factor remain < 4.	NOT meet PC	Proper grazing management and adequate watering facilities will improve livestock distribution and reduce grazing pressure improving productivity and vigor of desirable forage species. Yields are near the potential for the species. Pasture Condition Score > 30.	NOT meet PC		NOT meet PC
Fields with uneven grazing distribution contain < 60% desirable species. Undesirable broadleaf weeds & annual weedy grasses invading. Some woody species invading. Competetion from undesired plants causes low quality & palatability of available forages. PCS < 30.	Undesirable weedy and woody species will continue to flourish. Low plant species diversity. Quality and palatability of available forages will remain low.	NOT meet PC	Proper grazing management and adequate watering facilities will improve livestock distribution and reduce grazing pressure on desirable species. Healthier plants will out compete undesirable invading species. Quality and palatability of desirable forages will improve. Pasture Condition Score > 30.	NOT meet PC		NOT meet PC
ANIMALS: INADEQUATE H	ABITAT FOR FISH AND WILD	LIFE				
Existing water facilities such as troughs and tanks are lacking wildlife escape structures & pose a danger to wildlife that attempt to share livestock watering ANIMALS: LIVESTOCK PRO Inadequate livestock water Quantity, quality &/or distribution of drinking water is insufficient to maintain livestock health & client's production goals. Livestock forced to travel between feeding areas & watering sites. Long distance to water causes livestock to travel	Existing water facilities such as troughs and tanks will continue to lack wildlife escape structures & pose a danger to wildlife that attempt to share livestock watering facilities. **DDUCTION LIMITATION** Quantity, quality and/or distribution of drinking water will remain insufficient to maintain livestock health & client's production goals. Livestock will continue to be forced to travel between feeding areas & watering sites.	NOT meet PC	socializing; return to grazing sooner. Result: increasing	NOT meet PC		NOT meet PC
as a group. Spend more time congregating around water. Less time to feed & drink. Result: poor performance & body condition. ENERGY: INEFFICIENT EN No resource concern identified.			productivity; livestock performance and body condition will improve; and health and vigor of the herd will increase.			
	SOCIAL CONSIDERATIONS					
Management Level Minimal effort to establish water sources needed for grazing management such as location and quantity & quality of livestock drinking water Profitability Decreasing livestock performance / productivity, farm income limited.	No change in management effort.	e.	Increased management to establish livestock water sources. Result: inc productivity; livestock performance body condition will improve; and he vigor of the herd will increase. Increased costs due to construction watering facilities and heavy use ar Participation in USDA programs will actual cost burden. Livestock performance in the state of	reasing and alth and of eas. I reduce		

Special Environmental Concerns: Environmental Laws, Executive Orders, policies, etc. In Section "G" complete and attach Environmental Procedures Guide Sheets for documentation as applicable. Items with a "•" may require a federal permit or consultation/coordination between the lead agency and another government agency. In these cases, effects may need to be determined in consultation with another agency. Planning and practice implementation may proceed for G. Special Environmental J. Impacts to Special Environmental Concerns Alternative 1 Alternative 2 Concerns No Action Document all impacts Document all impacts (Document existing/ Document all impacts needs needs needs (Attach Guide Sheets as (Attach Guide Sheets as (Attach Guide Sheets as benchmark conditions) further further further applicable) applicable) applicable) action action action Clean Air Act Guide Sheet FS1 FS-2 N/A N/A No non-attainment areas in the Clean Water Act / Waters of the May Effect - Beneficial May Effect Surface runoff and livestock loafing Implementation of fencing, ponds **Guide Sheet** Fact Sheet and/or troughs restrict the transport in streams will continue to carry 1 miles of waters of the U.S. animal waste, nutrients and soil to of soil, animal wastes, and n the grazing area. Non-point nearby surface waters continuing nutrients into streams and improve source pollution from nutrients. to deteriorate water quality. water quality. Coastal Zone Management Guide Sheet Fact Sheet N/A N/A Not located in CZM Coral Reefs **Guide Sheet** Fact Sheet N/A N/A No Coral Reefs present. Cultural Resources / Historic Review Required: 378 Pond; 516 Properties N/A **Guide Sheet** Fact Sheet Pipeline; and 561 Heavy Use Area No CR present. Protection: see MS-CR-1 Endangered and Threatened Species N/A N/A Fact Sheet Guide Sheet No T&E species present. Environmental Justice N/A N/A Guide Sheet Fact Sheet No adverse social and economic effects to consider Essential Fish Habitat N/A N/A Guide Sheet Fact Sheet No EFH present. Floodplain Management **Guide Sheet** Fact Sheet N/A N/A Not in 100 yr. floodplain. nvasive Species Fact Sheet N/A Guide Sheet N/A No invasive species present. Migratory Birds/Bald and No Effect May Effect - Beneficial Golden Eagle Protection Act Guide Sheet Fact Sheet Natural Areas N/A Guide Sheet Fact Sheet N/A No natural areas present. Prime and Unique Farmlands No Effect No Effect Guide Sheet Fact Sheet No changes in land use. No changes in land use. May Effect - Beneficial Riparian Area No Effect Guide Sheet Fact Sheet No changes in management Grazing mgt. will encourage more 0___ac. of functional riparian practices. uniform use of pastures, manage area stocking rates to appropriate levels, &/or adjust the timing/season of grazing as recommended. 2 ac. of Scenic Beauty N/A N/A Guide Sheet Fact Sheet lo significant aesthetic qualities

Wetlands											
Guide Sheet	Fact Sheet										
Wild and Scenie Gulde Sheet	c Rivers Fact Sheet	-									
C. Other Age Broad Public			No Action		A	Iternative 1			Altern	ative 2	
Essements, Perro Review, or Permi Agencies Consul	its Required and										
Aumulative Effect Describe the cur considered, inclu- present and know egardless of who actions)	mulative impacts ding past, vn future actions										
Mitigation Record actions t ninimize, and co											
W. Preferred Alternative	v preferred alternative				SHAP.		A REAL				
	Supporting mason										
	The second second										
V. Context (R	lecord context of	f alternatives	analysis)								
The significance	e of an action i	nust be analy		al contexts s	uch as socie	ty as a whol	e (human,	national),	the affecte	ed region, th	8
The significant affected intere D. Determina	ce of an action i sts, and the loc tion of Signific	nust be analy ality. ance or Ext	yzed in sever	ircumstance	D8						
The significance affected interest. D. Determinate the significance agency believed down into smale for your answer circumstance.	ce of an action i sts, and the loc	nust be analy ality. ance or Ext ity of impact ce the effect arts. low question	yzed in sever traordinary C . Impacts ma will be benefi ns "yes" the	Fircumstance y be both ber icial. Signific	es neficial and a ance canno e State Env	adverse. A si I be avoided	ignificant e by terming Liaison as	ffect may an action there ma	exist even temporary	if the Fede y or by brea	al
The significance iffected interests. D. Determinantensity: Religency believe lown into smale for your answer.	ee of an action ists, and the location of Signification o	nust be analy ality. Lance or Extrict of impact ce the effect arts. Low question are issues to eferred alternate alternate or to historic or reas?	raordinary C Impacts ma will be benefi ns "yes" there to consider a native expecte native expecte or cultural rese	ircumstance y be both bettelel. Significant n contact the and a site speed to cause seed to significate ources, park	es neficial and description of the estate Environmental State ecific NEP. significant effect usually affect usually affect usually of	adverse. A silbe avoided ironmental in A analysis meters on publinique character farmlands, withe human e	ignificant e by terming Lialson as nay be req ic health o cteristics of wetlands, v	ffect may an action there may ulred. r safety? f the geogyild and so	exist even temporary y be extra raphic area cenic rivers be highly c	if the Federy or by breamordinary a such as a, or ecological controversia	ral king it cally
The significance affected interest. D. Determination intensity: Relagency believe down into smale fyou answer circumstance Yes No	se of an action is sts, and the location of Signification	nust be analy ality. Lance or Extrict of impact the effect arts. Low question are issues to eferred alternate alternate or to historic or eas? Low effects of the expresent?	raordinary C Impacts ma will be benefi ns "yes" ther to consider a native expecte native expecte or cultural rese	ircumstance y be both bettelled. Significant n contact the and a site spector ed to cause seed to significate ources, park ernative on the	es neficial and a sance canno e State Envi pecific NEP significant effect u lands, prime ne quality of pertain effects	adverse. A si libe avoided ironmental i A analysis m fects on publinique charact farmlands, v the human e	ignificant e by terming Lialson as nay be req ic health o cteristics of wetlands, v	ffect may an action there ma ulred. r safety? f the geog vild and so t likely to l hknown ris	exist even temporary y be extra raphic area cenic rivers be highly c	if the Feder y or by brea nordinary a such as a, or ecologic controversia human	ral king it cally
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The significance affected interes. D. Determination intensity: Refagency believe down into smale fyou answer circum stance Yes No	ce of an action ists, and the location of Signification o	nust be analy ality. Hance or Extrity of impact to the effect arts. How question arce issues to reas? Infects of the effects of the expreferred alterned	raordinary C Impacts ma will be benefi ns "yes" thee to consider a native expecte native expecte r cultural rese preferred alte ternative hav ternative esta re considerat	ircumstance y be both ber icial. Significan n contact the and a site specifican ed to cause seed to significan ources, park ernative on the highly unce ablish a preceion? or reasonable either individ have a significan cheets to assi endangered	es neficial and a sance canno e State Environment of the sance canno e State Environment of the sance can e quality of cartain effects edent for future of the sance can e quality or cum ficant adversist in this defand threater	adverse. A sit be avoided ironmental if A analysis meters on publication in a result of a	ignificant e by terming Liaison as nay be req ic health o cteristics o wetlands, v environmen nique or un oth signific ntially signific r time? ANY of the This include	ffect may i an action there ma ulred. r safety? f the geog vild and so t likely to l nknown ris ant impact ficant envi special er des, but is ental justic	exist even lemporary y be extra raphic area cenic rivers be highly c eks on the land ts or representations ronment in not limited e, wetland	if the Federy or by bread a such as a such as a controversial human sent a decisentation to the tal concerns it to, concerns, floodplair	cally ? cally ? Use
The significant affected interes. D. Determina intensity: Refagency believe down into smale fyou answer circum stance. Yes No.	ce of an action ists, and the location of Signification o	nust be analy ality. Lance or Extrity of impact to the effect arts. Low question arce issues to the effect alternor alternor to historic or eas? Leffects of the expression and a future about a future efferred alternor function Proceed alternor preferred alternor preferred alternor alternor alternor alternor preferred alternor preferred alternor preferred alternor process.	raordinary C Impacts ma will be benefi ns "yes" there to consider a native expects or cultural reso preferred alternative hav iternative hav iternative known environment ernative likely dure Guide S al resources,	ircumstance y be both ber icial. Significan n contact the and a site specifican ed to cause seed to significan ources, park ernative on the highly unce ablish a precei ion? or reasonable either individ have a signi theets to assi endangered al fish habita	es neficial and a sance canno e State Environment of the sance canno e State Environment of the sance canno e quality of cartain effects edent for future of the sance canno e cum ficant adversist in this defand threater and threater it, wild and sance canno e ca	adverse. A sit be avoided ironmental if A analysis manager formlands, with the human ear or involve user actions we have poter ulatively over seleffect on A termination. The process of the process, cenic rivers,	ignificant e by terming Liaison as nay be req ic health o cteristics or wetlands, v environmen nique or un oth signific ntially signific r time? ANY of the This include environmen clean air, i	ffect may i an action there ma ulred. r safety? f the geog vild and so t likely to l nknown ris ant impact ficant envi special er des, but is ental justic riparian are	exist even lemporary y be extra raphic area cenic rivers be highly c eks on the l ts or repres ronment in not imited e, wetland	if the Federy or by bread a such as a such as a controversial human sent a decisentation of the tal concerns a to, concerns a fro, concerns a	cally ? cally ? Usion in
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The significance affected interests. D. Determination intensity: Refagency believed down into smale from stance. Yes No. Yes No.	es of an action ists, and the location of Signification of My knowledge of the second business and signification of Significa	nust be analy ality. ance or Extrict of impact on the effect of the effects of the effects of the effects of the effects of the effect of the	raordinary C Impacts ma will be benefi ns "yes" thee to consider a native expecte native expecte recultural rese preferred alte atternative hav liternative hav environment emative likely dure Guide S al resources, reefs, essenti ernative threa ta shown on g. another MS the informati	ircumstance y be both ber iclal. Significan n contact the and a site special ed to cause seed to significate ources, park ernative on the highly unce ablish a preceion? or reasonable either individ have a significate have a significate sindangered al fish habita siten a violatio this form is	neficial and a sance cannot be State Environment of the sance cannot be efficially affect under the sance quality of cartain effects and threater and threater and threater and threater and threater and the sance and the sance and threater and sance and sance and threater and threater and threater and threater and threater and threater and sance and sance are a sance	adverse. A sit be avoided ironmental if A analysis meters on publinique character farmlands, with the human east or involve unure actions we on have poter ulatively overse effect on a farmlandion, ned species, cenic rivers, state, or load complete the planning till	ignificant e by terming Liaison as nay be req ic health o cteristics or wetlands, v environmen nique or un ith signific ntially signific r time? ANY of the This include environmen clean air, i cal law or r e:	ffect may i an action there ma ulred. r safety? f the geog vild and so t likely to I nknown ris ant impact ficant envi special er des, but is ental justic riparian arc	exist even temporary y be extra raphic area cenic rivers be highly c sks on the i ts or repres ronment in not limited e, wetland eas, natura	if the Federy or by bread a such as a such as a nordinary controversial human sent a decise a concerns at to, concerns at to, concerns at a federal areas, and protection of the block and the block a	cally ? cion in e ? Use s suc

NRCS Is		The following sections are to be completed by the Responsible Fed RFO if the action is lead federal agency for NRDA-funded actions planned by NRCS.	eral Official (RFO)
		empliance Finding (check one) 1 alternative:	Action required
The prese	/	is a federal action that has been sufficiently analyzed in an existing NEPA document to which this environmental evaluation is tiered because the expected effects are within the range of those described in the applicable NEPA document and there are no predicted significant adverse environmental effects or extraordinary circumstances.	
]	is a federal action that has NOT been sufficiently analyzed or may involve predicted significant adverse environmental effects or extraordinary circumstances and may require an EA or EIS.	Contact the State Environmental Liaison. Further NEPA analysis required.
I have con Environm finding in	onsid menti indica	dered the effects of the alternatives on the Resource Concerns, Economic and Social and Concerns, and Extraordinary Circumstances as defined by Agency regulation and ated above. of Responsible Federal Official: Signature Additional notes	
		Additional notes	

U.S. Department of Agriculture Natural Resources Conservation Se		-CPA-52 4/2013	A. Client Name:			
	EVALUATION WORKSHE		B. Conservation Plan ID # (as	s applic	cable):	
		'	Program Authority (opt	tional):		
D. Client's Objective(s) (pu	Irpose): lity of pasturelands by improving pas	tures				
	gh proper distribution of grazing & be					
,	bjectives: reduce / eliminate need fo	r				
livestock to be in streams, and im	prove water quality.					
E. Need for Action:	H. Alternatives					
Quantity, quality and/or distribution of drinking water is	No Action √ if RMS		Alternative 1 √ if RMS		Alternative 2 √ if RMS	S ∐
insufficient to maintain health or	Leave site as is and with no change management. Watering places will	in	Improve health/productivity of pasture providing fencing to keep livestock to			
client's production goals for	continue to be lacking. Forage quali	ty and	streams in a planned grazing system			
livestock. improve the health of livestock, reduce waste in	quantity will continue to decline. An		Fence; 614 Watering Facility; 578 S			
streams, and improve water	condition / productivity will remain p	oor.	Crossing; 460 Land Clearing; Nutrie managenment; 315 Herbaceous W			
quality.			Treatment	000		
	R	esou	rce Concerns			
	ze, record, and address conc			es Inv	entory process.	
	source Planning Criteria for gr	uidanc	e).			
F. Resource Concerns	I. Effects of Alternatives		Au d		41/ // 0	
and Existing/ Benchmark Conditions	No Action		Alternative 1		Alternative 2	
(Analyze and record the	Amount, Status, Description	√ if	Amount, Status, Description	√ if	Amount, Status, Description	√ if
existing/benchmark	Description	does NOT	Description	does NOT	Description	does NOT
conditions for each	(Document both short and	meet	(Document both short and	meet	(Document both short and	meet
identified concern)	long term impacts)	PC	long term impacts)	PC	long term impacts)	PC
SOIL: EROSION						
No resource concern identified No resource concern identified						H
SOIL: SOIL QUALITY DEGR	RADATION					
Compaction	Due to continued limited/lack of	ПП	Implementation of conservation			
Limited/lack of watering facilities	watering facilities, livestock will still	Ш	practices results in grazing and	ш		
	travel between feeding areas & watering sites resulting in		livestock activities being dispersed. Grazing management			
feeding areas & watering sites	overused livestock trails /		combined with adequate water			
resulting in overused livestock trails & concentrated heavy use	concentrated heavy use areas. Soil compaction will continue to be a		sources will encourage more			
areas around water sources.	problem. Infiltration capacity will		uniform use of paddocks. Soil compaction will no longer be a			
These areas are characterized	remain lowered and surface runoff		problem and future activities will			
by soil compaction that makes it hard to push soil probe past	increased due to plant cover loss	NOT	not cause soil compaction problems.	NOT		NOT
compacted layers. Infiltration	and soil compaction by livestock hooves. Decreased rooting depth	meet PC	problems.	meet PC		meet PC
capacity is lowered & surface	will continue to reduce plant growth					
runoff increased due to plant cover loss & soil compaction by	and soil biological activity,					
livestock hooves. This results in	especially on existing trails.					
decreased rooting depth that						
reduces plant growth & soil biological activity.						
No resource concern identified						
WATER: EXCESS / INSUFF	FICIENT WATER					
No resource concern identified	DEODADATION					
WATER: WATER QUALITY Excess nutrients in surface and	Livestock concentration will		Adequate watering facilities			
ground waters	continue. Surface runoff will		encourage livestock to disperse.			
Lack of watering facilities causes	continue to carry animal waste and		Proper grazing management			
livestock to concentrate in the same areas, resulting in the	nutrients to receiving waters. Lands will not heal naturally. Water		restricts the transport of soil, animal wastes, and nutrients in			
reduction or loss of vegetative	quality will continue to deteriorate.		surface runoff by maintaining good			
cover. Soil has been exposed		NOT meet	vegetative soil coverage. Water	NOT meet		NOT meet
increasing surface runoff that carries animal waste and nutrient		PC	quality will improve.	PC		PC
losses from pastures to nearby						
surface waters, deteriorating						
water quality.						<u> </u>
No resource concern identified						

Г. Весения Сеневия	(continued)			_		_
F. Resource Concerns and Existing/ Benchmark	I. (continued) No Action		Alternative 1		Alternative 2	
Conditions (Analyze and record the existing/benchmark conditions for each	Amount, Status, Description (Document both short and	√ if does NOT meet PC	Amount, Status, Description (Document both short and	√ if does NOT meet	Amount, Status, Description (Document both short and	√if does NOT meet
identified concern)	long term impacts)	PC	long term impacts)	PC	long term impacts)	PC
AIR: AIR QUALITY IMPACT. No resource concern identified	S					
No resource concern identified						
PLANTS: DEGRADED PLAN						
Undesirable plant productivity and nealth Limited/lack of watering facilities caused uneven grazing distribution resulting in overgrazing of certain areas. Plant productivity, vigor &/or quality does not meet yield potential due to improper fertility, management: Yields are at least 10-30% below site potential. PCS < 30 & PCS plant vigor factor < 4.	Fields will remain overgrazed. Plant productivity, vigor and/or quality will continue to not meet yield potential due to improper fertility, management: Yields will regularly be at least 10-30% below site potential. PCS will remain < 30 and PCS plant vigor factor remain < 4.	NOT meet PC	Proper grazing management and adequate watering facilities will improve livestock distribution and reduce grazing pressure improving productivity and vigor of desirable forage species. Yields are near the potential for the species. Pasture Condition Score > 30.	NOT meet PC		NOT meet PC
Excessive plant pest pressure	Undesirable weedy and woody		Proper grazing management and			
Fields with uneven grazing distribution contain < 60% desirable species. Undesirable broadleaf weeds & annual weedy grasses invading. Some woody species invading. Competetion from undesired plants causes low quality & palatability of available forages. PCS < 30.	species will continue to flourish. Low plant species diversity. Quality and palatability of available forages will remain low.	NOT meet PC	adequate watering facilities will improve livestock distribution and reduce grazing pressure on desirable species. Healthier plants will out compete undesirable invading species. Quality and palatability of desirable forages will improve. Pasture Condition Score > 30.	NOT meet PC		NOT meet PC
	ABITAT FOR FISH AND WILD	LIFE				
troughs and tanks are lacking wildlife escape structures & pose a danger to wildlife that attempt to share livestock watering	Existing water facilities such as troughs and tanks will continue to lack wildlife escape structures & pose a danger to wildlife that attempt to share livestock watering facilities.	NOT meet PC	Retrofit watering facilities with wildlife escape structures & ensure new watering facilities are fitted with escape structures to decrease danger to wildlife that attempt to share livestock watering facilities.	NOT meet PC		NOT meet PC
ANIMALS: LIVESTOCK PRO	ODUCTION LIMITATION					
Quantity, quality &/or distribution of drinking water is insufficient to maintain livestock health & client's production goals. Livestock forced to travel between feeding areas & watering sites. Long distance to water causes livestock to travel as a group. Spend more time congregating around water. Less time to feed & drink. Result: poor performance & body condition.		NOT meet PC	Quantity, quality and/or distribution of drinking water is sufficient to maintain livestock health and client's production goals. Closer water sources will encourage livestock to visit water in smaller numbers; spend less time socializing; return to grazing sooner. Result: increasing productivity; livestock performance and body condition will improve; and health and vigor of the herd will increase.	NOT meet PC		NOT meet PC
ENERGY: INEFFICIENT EN No resource concern identified	ERGY USE					
No resource concern identified		++		$H \vdash$		HH
	SOCIAL CONSIDERATIONS No change in management effort. Profitability will continue to decrease	e.	Increased management to establish livestock water sources. Result: increased productivity; livestock performance body condition will improve; and heavigor of the herd will increase. Increased costs due to construction watering facilities and heavy use are Participation in USDA programs will	reasing and alth and of eas.		
income limited.			reduce actual cost burden. Livestoc performance and body condition wil	k		

G. Special Environmental	J. Impacts to Special Enviro	onmen	tal Concerns			
Concerns	No Action		Alternative 1		Alternative 2	
(Document existing/	Document all impacts	√ if	Document all impacts	√ if	Document all impacts	√ if
benchmark conditions)	(Attach Guide Sheets as	needs further	(Attach Guide Sheets as	needs further	(Attach Guide Sheets as	needs further
	applicable)	action	applicable)	action	applicable)	action
●Clean Air Act						
Guide Sheet FS1 FS-2	N/A		N/A			1 🖂
No non-attainment areas in the						
state ◆Clean Water Act / Waters of the	May Effect		May Effect - Beneficial			
U.S.	Surface runoff and livestock loafing		Implementation of fencing, ponds			1 🖂
Guide Sheet Fact Sheet	in streams will continue to carry		and/or troughs restrict the transport			
3 miles of waters of the U.S.	animal waste, nutrients and soil to		of soil, animal wastes, and			
in the grazing area. Non-point	nearby surface waters continuing		nutrients into streams and improve			
source pollution from nutrients.	to deteriorate water quality.		water quality.			
Coastal Zone Management						
Guide Sheet Fact Sheet	N/A		N/A			1 🖂
Not located in CZM.		Ш	·	Ш		
Coral Reefs						
Guide Sheet Fact Sheet	N/A		N/A			
No Coral Reefs present. Oultural Resources / Historic			No Effect			
Properties	N/A		Review Required: 378 Pond; 516			1 🖂
Guide Sheet Fact Sheet			Pipeline; and 561 Heavy Use Area	ш		l
No CR present.			Protection: see MS-CR-1			
Endangered and Threatened						l
Species	N/A		N/A			
Guide Sheet Fact Sheet No T&E species present.						
Environmental Justice						
Guide Sheet Fact Sheet	N/A		N/A			1
No adverse social and economic		Ш				
effects to consider.						
●Essential Fish Habitat						
Guide Sheet Fact Sheet	N/A		N/A			
No EFH present.						
Floodplain Management Guide Sheet Fact Sheet	N/A		NI/A			ł
Not in 100 yr. floodplain.	IV/A		N/A			
Invasive Species						
Guide Sheet Fact Sheet	N/A		N/A			1 🖂
No invasive species present.				Ш		
Migratory Birds/Bald and	No Effect		May Effect - Beneficial			
Golden Eagle Protection Act						
Guide Sheet Fact Sheet						
Natural Areas	1		 			
Guide Sheet Fact Sheet	N/A		N/A			1 🖂
No natural areas present.						\sqcup
Prime and Unique Farmlands	No Effect		No Effect			
Guide Sheet Fact Sheet	No changes in land use.		No changes in land use.			
Riparian Area	No Effect		May Effect - Beneficial			
Guide Sheet Fact Sheet	No changes in management		Grazing mgt. will encourage more			
_0 ac. of functional riparian	practices.		uniform use of pastures, manage			
area.			stocking rates to appropriate			
			levels, &/or adjust the timing/season of grazing as			
			recommended4_ ac. of			
			riparian area will be enhanced.			
Scenic Beauty						1
Guide Sheet Fact Sheet	N/A		N/A			
No significant aesthetic qualities identified.						

- Wetlands								
Guide Sheet	Fact Sheet							
Wild and Scenic Gulde Sheet	c Rivers Fact Sheet							
C. Other Ager Broad Public	AND ADDRESS OF THE PARTY OF THE		No Action		Alternal	ive 1	Alternative	2
asements, Permit Review, or Permit Agencies Consult	nissions, Public its Required and							
Cumulative Effect (Describe the cum considered, include present and know regardless of who actions)	nulative impacts ding past, vn future actions		-					
Mitigation Record actions to minimize, and cor								
M. Preferred Miternative	v prerented attemptive					ra Kira		Telephone (
	Supporting mason							
A	ecord context of	f alternatives	analysis)					
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	ompilance Finding (check one)	CAR SELECTION OF THE SE
The preferre	d alternative:	Action required
كا	is a federal action that has been sufficiently analyzed in an existing NEPA document to which this environmental evaluation is tiered because the expected effects are within the range of those described in the applicable NEPA document and there are no predicted significant adverse environmental effects or extraordinary circumstances.	Document in "R.1" below. No additional analysis is required.
	Is a federal action that has NOT been sufficiently analyzed or may involve predicted significant adverse environmental effects or extraordinary circumstances and may require an EA or EIS.	Contact the State Environmental Liaison. Further NEPA analysis required.
R. Rationale R.1	Supporting the Finding	
Findings Doc	dered the effects of the alternatives on the Resource Concerns, Economic and Social	
Environment finding indic	tal Concerns, and Extraordinary Circumstances as defined by Agency regulation and eated above.	policy and based on that made th
finding indic		policy and based on that made th
finding indic	ated above.	policy and based on that made the
finding indic	e of Responsible Federal Official:	policy and based on that made the
finding indic	e of Responsible Federal Official:	policy and based on that made the

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U.S. Department of Agriculture Natural Resources Conservation Se		-CPA-52 4/2013	A. Client Name:				
	EVALUATION WORKSHE		B. Conservation Plan ID # (as applicable):				
D. Client's Objective(s) (pu			Program Authority (optional): C. Identification # (farm, tract, field #, etc as required):				
	ent wants to ensure sustainability of pasturelands by improving pastures			C. Identification # (farm, tract, field #, etc as required):			
by protect vegetative cover through	gh proper distribution of grazing & be	tter					
grassland management. Major of livestock to be in streams, and im	bjectives: reduce / eliminate need fo prove water quality.	r					
E. Need for Action:	H. Alternatives						
Quantity, quality and/or	No Action √ if RMS	3	Alternative 1 √ if RMS	S 🗸	Alternative 2 √ if RMS	s 🔲	
distribution of drinking water is insufficient to maintain health or	Leave site as is and with no change	in	Improve health/productivity of pastu	,			
client's production goals for	management. Watering places will continue to be lacking. Forage quali	ty and	providing fencing to keep livestock streams in a planned grazing syster				
livestock. improve the health of	quantity will continue to decline. An	-	Fence; 614 Watering Facility; 578 S				
livestock, reduce waste in streams, and improve water	condition / productivity will remain p	oor.	Crossing; 460 Land Clearing; Nutrie				
quality.			managenment; 315 Herbaceous W Treatment	eeu			
			rce Concerns				
	ze, record, and address conc			es Inv	entory process.		
F. Resource Concerns	source Planning Criteria for gull. Effects of Alternatives	uidand	e).				
and Existing/ Benchmark	No Action		Alternative 1		Alternative 2		
Conditions	Amount, Status,	√if	Amount, Status,	√if	Amount, Status,	√if	
(Analyze and record the	Description	does	Description	does	Description	does	
existing/benchmark conditions for each	(Decourse of heath about and	NOT meet	(Danish and hadde about and	NOT meet	(Decomposed by the sheet and	NOT meet	
identified concern)	(Document both short and long term impacts)	PC	(Document both short and long term impacts)	PC	(Document both short and long term impacts)	PC	
SOIL: EROSION	rong tom impacto)		iong tom impacto)		rong tom impacto)		
No resource concern identified							
No resource concern identified SOIL: SOIL QUALITY DEGR	RADATION						
Compaction	Due to continued limited/lack of		Implementation of conservation				
Limited/lack of watering facilities	watering facilities, livestock will still travel between feeding areas &		practices results in grazing and livestock activities being	ш			
forces livestock to travel between	watering sites resulting in		dispersed. Grazing management				
feeding areas & watering sites	overused livestock trails /		combined with adequate water				
resulting in overused livestock trails & concentrated heavy use	concentrated heavy use areas. Soil compaction will continue to be a		sources will encourage more uniform use of paddocks. Soil				
areas around water sources.	problem. Infiltration capacity will		compaction will no longer be a				
These areas are characterized by soil compaction that makes it	remain lowered and surface runoff	NOT	problem and future activities will	NOT		NOT	
hard to push soil probe past	increased due to plant cover loss and soil compaction by livestock	meet	not cause soil compaction problems.	meet		meet	
compacted layers. Infiltration	hooves. Decreased rooting depth	PC		PC		PC	
capacity is lowered & surface runoff increased due to plant	will continue to reduce plant growth and soil biological activity,						
cover loss & soil compaction by	especially on existing trails.						
livestock hooves. This results in decreased rooting depth that							
reduces plant growth & soil							
biological activity.							
No resource concern identified WATER: EXCESS / INSUFF	ICIENT WATER						
No resource concern identified	IOIENT WATER						
WATER: WATER QUALITY							
Excess nutrients in surface and ground waters	Livestock concentration will continue. Surface runoff will		Adequate watering facilities encourage livestock to disperse.				
Lack of watering facilities causes	continue to carry animal waste and		Proper grazing management				
livestock to concentrate in the same areas, resulting in the	nutrients to receiving waters. Lands will not heal naturally. Water		restricts the transport of soil, animal wastes, and nutrients in				
reduction or loss of vegetative	quality will continue to deteriorate.		surface runoff by maintaining good	NOT		NOT	
cover. Soil has been exposed increasing surface runoff that		NOT meet	vegetative soil coverage. Water	NOT meet		NOT meet	
carries animal waste and nutrient		PC	quality will improve.	PC		PC	
losses from pastures to nearby							
surface waters, deteriorating water quality.							
No resource concern identified							

_		
	Alternative 2	
√ if does NOT meet PC	Amount, Status, Description (Document both short and long term impacts)	√if does NOT meet PC
╁┼		\vdash
NOT		NOT
meet PC		meet PC
NOT meet PC		NOT meet PC
NOT meet PC		NOT meet PC
NOT meet PC		NOT meet PC
h creasing and ealth and n of reas.		
n re	of eas.	and silth and of ass.

G. Special Environmental	J. Impacts to Special Enviro	onmen	tal Concerns			
Concerns	No Action		Alternative 1		Alternative 2	
(Document existing/	Document all impacts	√ if	Document all impacts	√ if	Document all impacts	√ if
benchmark conditions)	(Attach Guide Sheets as	needs further	(Attach Guide Sheets as	needs further	(Attach Guide Sheets as	needs further
	applicable)	action	applicable)	action	applicable)	action
●Clean Air Act						
Guide Sheet FS1 FS-2	N/A		N/A			1 🖂
No non-attainment areas in the						
state ◆Clean Water Act / Waters of the	May Effect		May Effect - Beneficial			
U.S.	Surface runoff and livestock loafing		Implementation of fencing, ponds			1 🖂
Guide Sheet Fact Sheet	in streams will continue to carry		and/or troughs restrict the transport			
3 miles of waters of the U.S.	animal waste, nutrients and soil to		of soil, animal wastes, and			
in the grazing area. Non-point	nearby surface waters continuing		nutrients into streams and improve			
source pollution from nutrients.	to deteriorate water quality.		water quality.			
Coastal Zone Management						
Guide Sheet Fact Sheet	N/A		N/A			1 🦳
Not located in CZM.		Ш	·	Ш		
Coral Reefs						
Guide Sheet Fact Sheet	N/A		N/A			
No Coral Reefs present. Oultural Resources / Historic			No Effect			
Properties	N/A		Review Required: 378 Pond; 516			1 🖂
Guide Sheet Fact Sheet			Pipeline; and 561 Heavy Use Area	ш		l
No CR present.			Protection: see MS-CR-1			
Endangered and Threatened						l
Species	N/A		N/A			
Guide Sheet Fact Sheet No T&E species present.						
Environmental Justice						
Guide Sheet Fact Sheet	N/A		N/A			1
No adverse social and economic		Ш				
effects to consider.						
●Essential Fish Habitat						
Guide Sheet Fact Sheet	N/A		N/A			
No EFH present.						
Floodplain Management Guide Sheet Fact Sheet	N/A		NI/A			ł
Not in 100 yr. floodplain.	IV/A		N/A			
Invasive Species						
Guide Sheet Fact Sheet	N/A		N/A			1 🖂
No invasive species present.				Ш		
 Migratory Birds/Bald and 	No Effect		May Effect - Beneficial			
Golden Eagle Protection Act						
Guide Sheet Fact Sheet						
Natural Areas	1		 			
Guide Sheet Fact Sheet	N/A		N/A			1 🖂
No natural areas present.						\vdash
Prime and Unique Farmlands	No Effect		No Effect			
Guide Sheet Fact Sheet	No changes in land use.		No changes in land use.			
Riparian Area	No Effect		May Effect - Beneficial			
Guide Sheet Fact Sheet	No changes in management		Grazing mgt. will encourage more			
_0 ac. of functional riparian	practices.		uniform use of pastures, manage			
area.			stocking rates to appropriate			
			levels, &/or adjust the timing/season of grazing as			
			recommended4_ ac. of			
			riparian area will be enhanced.			
Scenic Beauty						1
Guide Sheet Fact Sheet	N/A		N/A			
No significant aesthetic qualities identified.						

-Wetlands											
Guide Sheet	Fact Sheet										
Wild and Scenie Gulde Sheet	c Rivers Fact Sheet	-									
K. Other Age Broad Public			No Action			Alternative 1			Alternat	ive 2	
Easements, Perr Review, or Perm Agencies Consul	its Required and										
Cumulative Effect (Describe the cure considered, inclu- present and known regardless of who actions)	mulative impacts ding past, vn future actions										
L. Mitigation (Record actions of minimize, and co								a.			
M. Preferred Alternative	v preterred alternative				145 K		X X 44				
	Supporting mason										
1 A	lecord context	faltemative	s analysis)				- (h	actional) t	ha affantad	marker Ab	
The significant affected interes. O. Determination Relationship: Relationship: Relationships agency believed down into small affects.	ce of an action sts, and the location of Significations to the sevent that on balantic component p.	must be ana ality, cance or Ex rity of impac ce the effect arts.	traordinary (t. Impacts ma t. will be benef	Circumstance by be both be ficial. Signific	es ineficial and cance canno	adverse. A s	ignificant et by terming	fect may e an action	exist even if temporary o	the Feder	al
The significant affected interes. O. Determination between the significant affected interes. O. Determination between the significant affects affected interest affects and the significant affects affects affected in the case with the case with the case with the significant affects affected in th	ce of an action sts, and the location of Signification of	must be ana ality. cance or Exity of impact ce the effect arts. low question ince issues befored altered altered altered arts. effects of the epreferred are about a future ferred altered altered altered altered arts. epreferred altered altered altered altered altered altered altered arts. preferred altered are altered altered altered altered altered altered are altered altered are altered a	traordinary (t. Impacts may the impacts may the impacts may the impacts may the impacts may be preferred all the impacts of cultural research and internative estage considera mative known environment emative likely dure Guide Scal resources, reefs, essentive threats a shown or g. another M. I the informative the impact of the informative threats a shown or g. another M.	Circumstance ay be both be ficial. Signific an contact the and a site se ded to cause a ded to signific cources, park dernative on the and a site se ded to signific cources, park dernative on the and a site se ded to cause a ded to cause	ses sineficial and cance cannot be State Enveronment of the state Enveronment of the state Enveronment of the state of the	adverse. A solution avoided vironmental vi	ignificant of by terming tales on as nay be required in the little of th	fect may e an action there may alred. safety? the geogra- ild and so- ild and	exist even if temporary of temp	the Feder or by bread rdinary such as or ecologi introversial uman ent a decis pacts to the concerns o, concern floodplain areas, and	cally r ion in e r Us ssuc
The significant affected interes. O. Determination between the significant affected interes. O. Determination between the significant affects affected interest affects and the significant affects affects affected in the case with the case with the case with the significant affects affected in th	ce of an action sts, and the location of Signification of My knowledge of the second by the s	must be ana ality. cance or Exity of impact ce the effect arts. low question ince issues befored altered altered altered arts. effects of the epreferred are about a future ferred altered altered altered altered arts. epreferred altered altered altered altered altered altered altered arts. preferred altered are altered altered altered altered altered altered are altered altered are altered a	traordinary (t. Impacts may (the consider of the consideration of	Circumstance ay be both be ficial. Signific an contact the and a site se ded to cause a ded to signific cources, park dernative on the and a site se ded to signific cources, park dernative on the and a site se ded to cause a ded to cause	ses sineficial and cance cannot be State Enveronment of the state Enveronment of the state Enveronment of the state of the	adverse. A solution avoided vironmental PA analysis in Fects on publicular character farmlands, of the human estarmlands vito have potential tively overse effect on a stermination. The end species, scenic rivers, al, State, or loand complete avoided to the end complete avoided to the end species, scenic rivers, al, State, or loand complete avoided to the end species, and complete avoided to the end species, and complete avoided to the end species, and complete avoid the end species and the end species and the end species and the end species are the end species are the end species and the end species are the end species	ignificant of by terming tales on as nay be required in the little of th	fect may e an action there may alred. safety? the geogra- ild and so- ild and	exist even if temporary of temporary of temporary of the extraol aphic area senic rivers, se highly consist on the human temporary of the property of the prop	the Feder or by bread rdinary such as or ecologi introversial uman ent a decis pacts to the concerns o, concern floodplain areas, and	cally r ion in e R Suc

NRCS IS		The following sections are to be completed by the Responsible Fed RFO if the action is lead federal agency for NRDA-funded actions planned by NRCS.	eral Official (RFO)
		empliance Finding (check one) 1 alternative:	Action required
Ine prese	/	is a federal action that has been sufficiently analyzed in an existing NEPA document to which this environmental evaluation is tiered because the expected effects are within the range of those described in the applicable NEPA document and there are no predicted significant adverse environmental effects or extraordinary circumstances.	
)	is a federal action that has NOT been sufficiently analyzed or may involve predicted significant adverse environmental effects or extraordinary circumstances and may require an EA or EIS.	Contact the State Environmental Liaison. Further NEPA analysis required.
I have con Environm finding in	onside menta Indica	dered the effects of the alternatives on the Resource Concerns, Economic and Social and Concerns, and Extraordinary Circumstances as defined by Agency regulation and ated above. of Responsible Federal Official: Signature Additional notes	
		Additional notes	

Pages from MSTIG RP EA 2016-2017 FINAL - NEPA Analytical Approach for NR Restoration Type

Project Alternatives A and B would meet the evaluation criteria established by OPA because:

- Cost estimates are based on comparable projects previously implemented and those costs were considered reasonable;
- The project alternatives have a clear nexus to the NR injuries described in the PDARP/PEIS, and the MS TIG's restoration goals and objectives that would be met include opportunities for leveraged funding, Trustee expertise from state and federal programs and partnering agency resource management expertise, and consistency with existing management plans and initiatives;
- There is a high likelihood of success because these alternatives propose implementing proven conservation practices and tested restoration techniques used by the MS TIG Trustees and project partners on similar types of projects in the region;
- These watershed-scale proposed alternatives improve the quality of coastal waters impacted by the *DWH* Oil Spill by reducing the runoff of nutrients, and sediment into coastal waters;
- Future and collateral injury would be avoided by employing best practices during project implementation;
- Both alternatives are likely to benefit more than one resource; and
- There would be a long-term benefit to public safety from improved water quality.

Proposed Alternatives A and B are also consistent with the MGCRP and other regional planning initiatives. The nexus between these alternatives and the injury and the programmatic restoration goal is clear because implementation of conservation practices on privately owned lands would reduce nutrient enrichment and sedimentation and restore water quality in Gulf of Mexico coastal watersheds. Future conservation planning and implementation of USDA-NRCS conservation practices would not require additional OPA evaluation.

3.7.2 NEPA Analytical Approach for NR (Nonpoint Source) Restoration Type

This section provides the NEPA analytical approach for the NR (Nonpoint Source) Restoration Type in the following order:

- 1. USDA NEPA Analyses for conservation practices incorporated by reference;
- 2. A description of the general NEPA analytical approach for the NR (Nonpoint Source) project alternatives:
- 3. The MS TIG plan for site-specific NEPA review for the selected alternative; and
- 4. The organization of the affected environment and environmental consequences for the proposed alternatives under the NR (Nonpoint Source) Restoration Type.

1) USDA NEPA Analyses for Conservation Practices Incorporated by Reference: The USDA-NRCS has a long-standing structured, interdisciplinary, science-based, and public process for

developing conservation practice standards and analyzing the effects of those practices.⁵⁷ Implementing these conservation practices has been proven to successfully address natural resource concerns related to agricultural and forested lands, and many of these practices can be used to achieve a number of the Restoration Types identified in the *DWH* PDARP/PEIS. Because of this, both of the proposed action alternatives contemplate using USDA-NRCS conservation practices to achieve certain PDARP/PEIS restoration goals in Mississippi. This analysis hereby incorporates by reference the standards and specifications for the conservation practices in Appendix B found in the USDA-NRCS National Handbook of Conservation Practices and the analysis of the effects of those practices contained in the USDA-NRCS Conservation Practice Physical Effects (CPPE) matrices, the Network Effects Diagrams, ⁵⁸ and in the USDA-NRCS Conservation Effects Assessment Project reports. ⁵⁹ Each of those assessments is based on a review of the best available scientific studies and methodological approaches, as well as professional judgment. ⁶⁰ In addition, this document incorporates by reference the analyses from the USDA-NRCS EQIP Programmatic EA, March 2016, and in particular its discussions of the water quality impacts of NRCS conservation practices.

2) The NEPA Analytical Approach for the Development of NR (Nonpoint Source) Project

Alternatives: This RP/EA analyzes potential environmental impacts at a broad program scale, identifying the qualitative effects that are a reasonably foreseeable result of each alternative. Under both action alternatives there would be a landowner outreach and a conservation planning phase in which USDA-NRCS would work with private landowners to develop site-specific conservation plans outlining a combination of conservation practices. ⁶¹ Conservation planning for proposed Alternative A (Preferred) would be conducted for the purpose of achieving nutrient and sediment reduction from agricultural and forested land, including riparian areas, whereas conservation planning for Alternative B would focus on establishing and maintaining riparian buffers that effectively filter nutrients and sediment from upland runoff, and would not address nutrient and sediment runoff at the source. Conservation practices would be planned and implemented on a site-specific basis, and would vary depending on the physical conditions, characteristics, and environmental constraints (e.g. endangered

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https://www.nrcs.usda.gov/wps/portal/nrcs/main/national/technical/nra/ceap/. See also the national NRCS conservation practice standards and associated CPPE and Network Effects Diagrams at https://www.nrcs.usda.gov/wps/portal/nrcs/detailfull/national/technical/cp/ncps/?cid=nrcs143 026849.

https://www.nrcs.usda.gov/wps/portal/nrcs/detailfull/national/technical/cp/ncps/

⁵⁷ See, for example, the Environmental Quality Incentives Program Programmatic EA, March 2016 at https://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/technical/ecosciences/ec/?cid=nrcseprd387616 and research associated with the NRCS Conservation Effects Assessment Project at

⁵⁸ Both the CPPE matrices and network effects diagrams are available from the NRCS National Handbook of Conservation Practices web site at

⁵⁹ https://www.nrcs.usda.gov/wps/portal/nrcs/main/national/technical/nra/ceap/.

⁶⁰ The majority of conservation practices likely to be implemented under the proposed action have been determined to fall within established NRCS categorical exclusions and therefore would not normally require preparation of an EA or EIS if implemented under NRCS program authorities. However, because this action is proposed for funding under the *DWH* NRDA Consent Decree and not all *DWH* NRDA Trustees have such categorical exclusions, the MS TIG decided to prepare this EA to aid their planning, decision-making and compliance with NEPA.

⁶¹ The landowner outreach program, conservation planning activities and creation of conservation plans would not require project-specific environmental compliance measures described in this section.

species, cultural resources, etc.) associated with each site. Because the specific sites are not yet known, this analysis identifies the environmental impacts that normally occur from implementing USDA-NRCS conservation practices to achieve nutrient and sediment reductions. In addition to incorporating by reference the analysis USDA-NRCS has conducted on the effects of its conservation practices, the discussion in this RP/EA includes examples of the conservation practices the MS TIG expects would be implemented in the project area for the proposed alternatives and how those practices are expected to impact the environment.

- 3) The MS TIG Approach to Site-Specific Environmental Review for the Selected Alternative: Subsequent environmental review would occur in addition to this NEPA analytical approach to determine whether a planned site-specific action is below the maximum adverse impacts described in this RP/EA. An example of the Environmental Evaluation Worksheet used to document this review is attached as Appendix A. If the site-specific action is below the maximum adverse impacts described in this RP/EA, the analysis of the effects would be documented on the Environmental Evaluation Worksheet and the action would proceed. The Environmental Evaluation Worksheet would be routed through the MS TIG to the administrative record, where it would be publicly available. ⁶² If the evaluation of the planned site-specific action indicates effects are likely to exceed the maximum adverse impacts described in this EA, the MS TIG would undertake additional site-specific environmental review consistent with NEPA requirements and other requirements for protection of the environment. The MS TIG does not propose to take actions that would result in any significant adverse impacts on the environment.
- 4) Organization of the Affected Environment and Environmental Consequences for NR (Nonpoint Source) Restoration Type: Guidelines for NEPA impact determinations for the PDARP/PEIS are described in Section 6.3.2 of the PDARP/PEIS and are hereby incorporated by reference. NR Alternatives A and B include development and implementation of conservation plans to reduce nutrient and sediment runoff, which would improve water quality in downstream coastal waters. Alternative A (Preferred) would include conservation practices on agricultural and forested land including riparian areas; Alternative B would include practices such as conservation buffers only in riparian areas associated with agricultural and forested land. Section 3.8 below addresses the environmental consequences of the No Action Alternative, which would allow natural recovery to proceed, followed by an overview of the proposed NR (Nonpoint Source) alternatives in Section 3.9. The NEPA affected environment and environmental consequences for the NR (Nonpoint Source) Restoration Type alternatives are structured as follows:
 - Section 3.9 NR (Nonpoint Source) Alternatives Description of Common Features and Analytical Approach
 - Section 3.9.1 NR (Nonpoint Source) Alternatives A and B Affected Environment and Environmental Consequences
 - Section 3.9.1.1 Overview of Affected Environment and Environmental Consequences

⁶² Information that cannot be released will be redacted in accordance with Privacy Act, Freedom of Information Act, and other applicable requirements.

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- Section 3.9.1.2 Physical Environment
- Section 3.9.1.3 Biological Environment
- Section 3.9.1.4 Socioeconomic Environment
- Section 3.10 Cumulative Impacts for NR (Nonpoint Source)
- Section 3.11 Comparison of the Alternatives-NR (Nonpoint Source) Restoration Type

3.8 No Action Alternative

In addition to the proposed alternatives listed above for the NR (Nonpoint Source) Restoration Type, the MS TIG evaluated the No Action Alternative (No Action). CEQ Regulations Implementing NEPA (§1502.14(d)) requires consideration of a No Action Alternative as a basis for comparison with potential environmental consequences of the action alternatives.

Under the No Action Alternative, the MS TIG would not implement any projects for the NR (Nonpoint Source) Restoration Type at this time, and would instead allow natural recovery processes to occur, which could result in one of four outcomes for injured resources: 1) gradual recovery; 2) partial recovery; 3) no recovery; or 4) further deterioration. Although injured resources could presumably recover to or near baseline conditions under this scenario, recovery would take much longer compared to a scenario in which restoration actions were undertaken.

The No Action Alternative would have no beneficial impacts to water quality through nutrient reduction because this alternative would largely result in a continuation of the conditions described in the PDARP/PEIS Chapters 3, Ecosystem Setting and Chapter 4, Injury to Natural Resources, and there would be no associated benefits to water quality by the reduction of sediments and nutrient loading. Under the No Action Alternative, some NR (Nonpoint Source) benefits could result from USDA-NRCS programs in the proposed project area, but not from the federal action being evaluated in this RP/EA. The full suite of restoration benefits would not be realized solely with natural processes and without the benefit of leveraged funding opportunities and opportunity for robust monitoring and adaptive management. The No Action Alternative does not meet the MS TIG's goals and objectives and clearly does not provide the significant restoration benefit to water quality through nutrient reduction that would occur through the action alternatives.

When analyzed in combination with other past, present and reasonably foreseeable future actions, the No Action Alternative would provide no beneficial impacts, because existing conditions would not change in a predictable way. This alternative is not expected to contribute to short-term or long term, cumulative adverse impacts to physical resources, biological resources, or socioeconomics.

3.9 NR (Nonpoint Source) Alternatives -Description of Common Features and Analytical Approach

Both proposed NR (Nonpoint Source) alternatives would be implemented by USDA-NRCS in the Chunky-Okatibbee watershed in Mississippi for the purpose of improving water quality by implementing conservation practices to reduce nutrient and sediment runoff. USDA-NRCS and its conservation partners would help voluntarily participating landowners by developing conservation plans that identify natural resource concerns and conservation practices the landowner can implement to reduce nutrient and sediment runoff. The MS TIG proposes providing \$4.0 M for either of these