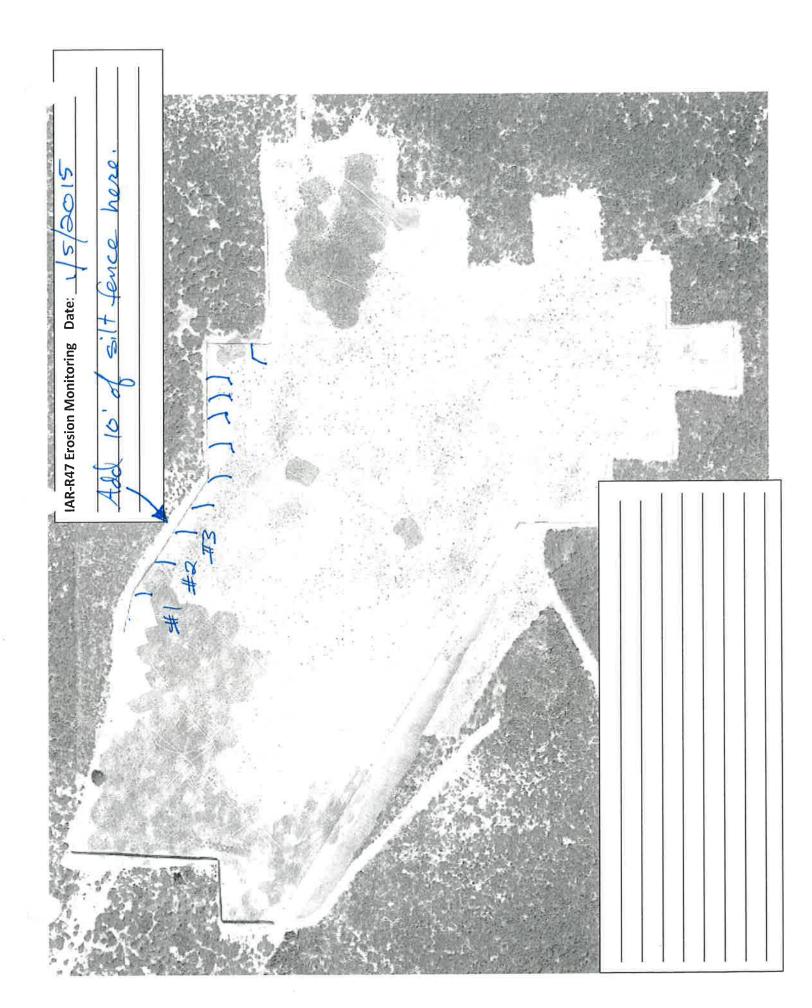
U	ESCA	A RP Erosion Monitoring F	orm	Conducted By: Jalis		
Γ	MRA:	1R-R47		Monitoring Date: \\ \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\) \(\)		
l		nitoring: Pre-rain event - Post	rain-event	Routine Other		
1	1. Existing Erosion/Sediment Control Measures Present? Y or N. If N skip to 2.					
	Туре	Functioning Properly? (Evidence of overtopping, undermining or flow around?	Need repair or correction?	Comments/Notes		
	Wattles	Jes	7	Many are decomposing but are no longer needed.		
	Blanket		_	0		
	Silt Fence	Yes	Y	The 3rd sit fence (from west has holes from Staples. A		
	Sand Bags	ÿ	N	section of silt fence should be replaced		
2.	Are there sig	gns of water erosion? Y N- N	/A			
	Rilling - gull	ying - Loss of fines from surfac	e - Sand/silt	deposit in fans/basins		
	Comments:	6				
3.		gns of wind erosion? Y (N) N/				
		s on surface - Dunes - Soil on l	leaves - Othe	er		
	Comments:					
4.	Are there are	eas of ponding?	Y /N Size a	and depth:		
_	10/					
ხ.	Work Areas Stockpiles a	re surrounded with wattles, cov	vered, compa	acted, not present? (Circle applicable)		
	Describe:					
6.	Do you have	other erosion concerns?				
	No					
		· U DAID	1	anne concentrated in IAP photograph		
No the	te: Photograp steep, bare	oh all BMPs and areas where f parts of the development parce	iow mignt be el adjacent to	come concentrated. In IAR photograph o range 47.		



P	ESCA	RP Erosion Monitoring F	orm	Conducted By: Joshua Tallis			
	A STATE OF THE PARTY OF	EG-Grenad		The second secon			
1			/				
Type of Monitoring: Pre-rain event - Post rain-event - Routine - Other							
1. Existing Erosion/Sediment Control Measures Present Y or N. If N skip to 2.							
ı	Туре	Functioning Properly?	Need repair or	Comments/Notes			
ı		(Evidence of overtopping, undermining or flow around?	correction?				
1	Wattles	1	. /				
	, , ditiroo	Jes	N				
	Blanket	Yes	N				
	Silt Fence	No	N				
	Sand Bags	Yes	N				
	Water	Yes	N	water properly draining out south side of mid			
	Hydrosac	ding Jes	N.	slope water bas.			
				Starting to furn rea			
2.	Are there sig	ns of water erosion? Y (N) No ying - Loss of fines from surfac	A Cond/oilt	deposit in face/hasins			
		/ing - Loss of fines from surfac	e - Sand/Sill	deposit in fans/basins			
	Comments:						
3.		ns of wind erosion? Y -N-N/A					
	Loss of fines	s on surface - Dunes - Soil on I	eaves - Othe	er			
	Comments:						
	A (1	- of a sadian?	V M Rizo o	nd depth:			
4.	Are there are	eas of ponding?	Y N Size a	na depuir.			
	Work Areas	re currounded with wettles, see	vered compa	acted not present? (Circle applicable)			
110	Describe:	- Surrounded with wattles, COV		and production of the second			
	Describe.						
6. [Do you have	other erosion concerns?					
	No						
Not	te: Photograp	oh all BMPs and areas where fl	low might be	come concentrated. In IAR photograph			

the steep, bare parts of the development parcel adjacent to range 47.

	ES	CA RP Erosion Moni	toring Form	Conducted By: Joseph	a Tallis			
	MRA:)	AR - R	47	Monitoring Date:	1			
	Weather	Class	60'5°F,	. 7	ce rain			
		lonitoring: Pre-rain even			CE TAIN			
_								
1.	Type	rosion/Sediment Contro Functioning Properly? (Comments/Notes				
	Туре	of overtopping, underm	ining or repair or	Comments/Notes				
	10/04/00	flow around?	correction?					
	Wattles	Y						
	District		17					
	Blanket	Y	N	Blanket has	ing covered			
	Silt Fence	Additional -	ded Y	^				
	Sand	to cover sy	uall holas in	n silt fence	on Nside			
	Bags	Y	N					
2.		signs of water erosion?			ii ii			
	Rilling - g	ullying - Loss of fines fro	om surface - Sand/silt d	eposit in fans/basins				
			_					
3.		signs of wind erosion? Ynes on surface - Dunes						
	Commen		- Soil Off leaves - Office					
_	<u> </u>		· · · · · · · · · · · · · · · · · · ·					
4.	Are there	areas of ponding?	Y / NSize a	ind depth:				
5.	Work Area				1-2			
	Describe:		aπies, covered, compac	cted not present? Circle applicab	<u> </u>			
6.	Do you have other erosion concerns?							
	•	•						
		10						

Note: Photograph all BMPs and areas where flow might become concentrated. In IAR photograph the steep, bare parts of the development parcel adjacent to range 47.

	ES	CA RP Erosion Monitoring Fo	rm	Conducted By: T. Tallis	•			
Г	MRA: F	EG-Grende Range	+5. dA	Monitoring Date: 1/22/2015				
9	Weather	Partly cloudy in	A-MI	50°F, no vaile in >7	2 hrs			
9				utine-Other > Base Ina cond				
1.		rosion/Sediment Control Measures		2. 0/ //2/.	•			
	Туре	Functioning Properly? (Evidence	Need	Comments/Notes				
		of overtopping, undermining or flow around?	repair or correction?					
	Wattles	now around:	COTTECTION	=" 16				
		Yes	No					
	Blanket		5.1					
		Yes	No					
	Silt							
	Fence	NA						
	Sand	•						
	Bags	Yes	No					
1					-			
	1 1	, b		- + 1 + 1-	0			
	Int	he new work	area	South of The AS	<i>P</i>			
	and	along Barloy	Cany	south of the AS	BWAS.			
2.	Are there	signs of water erosion? N - N/A						
9		ullying) Loss of fines from surface	121 14 1 111		1. 1			
3		to the ventor signs of wind erosion? Y AR N/A	ld Arm	y roads running per new area 5- of Asp	pendicular			
		nes on surface - Dunes - Soil on lea	aves - Other					
	Comment	s:			•			
4	Are there a	areas of ponding?	Y /N Size a	and depth:				
1/2/20	,	areas or perianity.						
5.	Work Area	as		\sim				
,	Stockpiles are surrounded with wattles, covered, compacted, not present? Circle applicable)							
	Describe:							
_								
6.	5. Do you have other erosion concerns?							
	Rilling + gullying along old roads appears to be a							
	Rilling + gullying along old roads appears to be a long term problem from the road design. The roads have partially revegetated.							
No	te: Photog	a vince par jain	- 1 CV	come concentrated. In IAR photograph the				
ste	ep, bare p	arts of the development parcel adj	acent to ran	ge 47.				

	ES	CA RP Erosion Monitoring Fo	rm	Conducted By: J. Tallis	
	MRA:	1AR - R47		Monitoring Date: 2/11/2015	
	Weather	Clear, 6015			
		Monitoring: Pre-rain event Post rai	n-event)- Ro	utine - Other	
1.	Existing E	rosion/Sediment Control Measures	Present?	or N. If N skip to 2.	
	Туре	Functioning Properly? (Evidence of overtopping, undermining or flow around?	Need repair or correction?	Comments/Notes	
	Wattles	Y	2		
	Blanket	NA			. 0
	Silt Fence	*	Y	Some staples need to Keep fence erail	ded
	Sand Bags	ý	N	*	
	Hydro	7	N	Other spaces not obs hydrosed, only Elymus	on escarp me
				hydrosed, only Elymus	glavers
2.		signs of water erosion? Y -(N) N/A			
l		gullying - Loss of fines from surface	e - Sand/silt d	leposit in fans/basins	
	Commen				
3.		signs of wind erosion? Y (N)- N/A			
ı		ines on surface - Dunes - Soil on le	eaves - Other		
	Commen	nts.	_		
4.	Are there	areas of ponding?	Y/N Size	and depth:	
5.	Work Are	eas	18		
l	-		ered, compa	cted, not present? (Circle applicable)	
	Describe	::			
6.	Do you ha	ave other erosion concerns?		-	
		No			
N	ote: Photo	graph all BMPs and areas where f	low might be	come concentrated. In IAR photograph the	

steep, bare parts of the development parcel adjacent to range 47.

Ī	ES	CA RP Erosion Monitoring Fo	rm	Conducted By: Tallis		
	MRA:	FEG-Grenade	Range	Monitoring Date: 1/18/3015		
Weather: Overscast, 50's						
ā	Type of M	Monitoring: Pre-rain event Post rai	n-event-Ro	outine-Other v2 weeks since vain		
1.	Existing E	rosion/Sediment Control Measures	s Present?(Y	or N. If N skip to 2.		
	Туре	Functioning Properly? (Evidence of overtopping, undermining or flow around?	Need repair or correction?	Comments/Notes		
	Wattles	y	N			
	Blanket	4	N			
	Silt Fence	N/A				
	Sand Bags	4	2			
	Hydro- mulch/ sead	4	N	is growing very well,		
	5,045			copscially in old rills + small gullys.		
2.		signs of water erosion? Y (N) N/A gullying - Loss of fines from surface		deposit in fans/basins		
	Commen					
3.	Are there	signs of wind erosion? Y (N) N/A				
	Loss of fi	ines on surface - Dunes - Soil on le	eaves - Othei	r		
	Commen	its:				
4.	Are there	areas of ponding?	Y N Size	and depth:		
5.	Work Are Stockpile		ered, compa	acted, not present? (Circle applicable)		
	Describe	i:				
6.	Do you ha	ave other erosion concerns?				
	N.	Ó				
		ograph all BMPs and areas where fliparts of the development parcel ac		come concentrated. In IAR photograph the		

	ES	CA RP Erosion Monitoring Fo	rm	Conducted By:	allis
	MRA:	SEA-Blue 1:	. Rd	Monitoring Date: 2/23/20	15
	Weather	Clear, 50° 3 F	= , W/	udus. >72 hrs since	rain.
	Type of M	Nonitoring: Pre-rain event - Post rai	1	~ d'	
1.	Existing E	rosion/Sediment Control Measures	Present (Y)	or N. If N skip to 2.	
	Туре	Functioning Properly? (Evidence of overtopping, undermining or flow around?	Need repair or correction?	Comments/Notes	
	Wattles	_		¥Ĭ	
	Blanket	_			
	Silt Fence	-			
	Sand Bags	-			
	Rolling Dip	gate of Vworking	May	be	
2.	Are there	end of blue live of signs of water erosion? Y (1) N/A	starting	to gully above	dip.
		ullying - Loss of fines from surface	- Sand/silt c	leposit in fans/basins	0.0
		1		ocation in N SEA above	selling elip
3.		signs of wind erosion? Y -N/A nes on surface - Dunes - Soil on le			O .
l	Commen		aves - Other		9
4.	Are there	areas of ponding?	Y N Size	and depth:	
5.	Work Are		orod compa	cted, not present? (Circle applicable)	
	Describe		ereu, compa	orda, not present: you are approache)	
6.	Do you ha	ave other erosion concerns?			
	No				
		graph all BMPs and areas where fi parts of the development parcel ac		come concentrated. In IAR photograph the	

ES	SCA RP Erosion Monitoring Fo	orm	Conducted By: J. Tallie
MRA:	IAR Devel facel	Soil Pi	Monitoring Date: 2/23/2015
Weathe	(lear, 50's	wind	17 772 Invasinge
Type of i	Monitoring: Pre-rain event - Post ra		/-/
1. Existing B	Erosion/Sediment Control Measure	s Present? Y	or N, if N skip to 2.
Туре	Functioning Properly? (Evidence	Need	Comments/Notes
	of overtopping, undermining or flow around?	repair or correction?	
Wattles			Soul oile m IAK
	te.		
Blanket			Soil pile in 1/1/2 denelopment parcel
			oeies j
Silt			w Nu Comer
Fence			
Sand			
Bags			
<u>.</u>			
	e signs of water erosion? Y - N - N/A gullying - Loss of fines from surface		longeit in fans/haging
Commer		: - Gariu/Siit C	eposit iii iansioasiiis
	signs of wind erosion? Y - N/A		
	fines on surface - Dunes - Soil on le	aves - Other	110
	nts: The pile up be		ing rogetated. It 10
	o avvocation	- alx	ant 20% vegetited.
4 0 15	0	VIKI Gira	
4. Are there	e areas of ponding?	Y N Size	and depth:
5. Work Are	eas		
		ered, compa	cted, not present? (Circle applicable)
Describe	9:		
_	ave other erosion concerns?		
No	,		
Note: Photo	ograph all RMPs and areas where fl	ow might he	come concentrated. In IAR photograph the
	parts of the development parcel ac		

	ES	CA RP Erosion Monitoring Fo		Conducted By: J. Tallis				
	MRA: IAR-Development force Monitoring Date: 3/9/2015							
	Weather: Clear, GOF							
	Type of Monitoring: Pre-rain event (Post rain-event) Routine - Other 772 Wrs: Since							
1.	Existing E	rosion/Sediment Control Measures	Present?(Y	7				
	Туре	Functioning Properly? (Evidence of overtopping, undermining or flow around?	Need repair or correction?	Comments/Notes				
	Wattles	Y	N					
	Blanket	N/A						
	Silt Fence	N/A						
	Sand Bags	N	Y	All are used to form water bars. All are				
	10	ž.		in one location shown				
				on map where water under cuter				
2.		signs of water erosion (Y) N - N/A						
	Rilling - g	ullying - Loss of fines from surface	-/X-	as indicated on war.				
3	ASSOCIATION CONTRA	signs of wind erosion? Y/N/N/A	sendli	ucy a lot of sand lown				
Э.		nes on surface - Dunes - Soil on le	aves - Other	gradrent.				
	Comment	s:						
4.	4. Are there areas of ponding? YN Size and depth:							
5.	Work Area							
	Stockpiles are surrounded with wattles, covered, compacted not present? (Circle applicable)							
	Describe:							
6.	5. Do you have other erosion concerns?							
				come concentrated. In IAR photograph the				
Ste	ep, pare p	parts of the development parcel ad	jacent to ran	ge 47.				

	ESCA RP Erosion Monitoring Form			Conducted By:	,	
	MRA:	AR - NIG	244	1 .	Monitoring Date: 3/11/201	5
	Weathe	Clear.	60°F	Raint	all of 0-13" two days	earlier.
1.0	Type of N	/	in event - Post rai	n-event - Ro		(,, 0, 0
				_	or(N) If N skip to 2.	
-	Туре		perly? (Evidence	Need	Comments/Notes	
	.,,,,,	of overtopping, t		repair or correction?		
	Wattles	1				
	Blanket					
	Silt	ye.				
	Fence					
	Sand Bags			2.0 N	3	
					381 C	
					3 Eq. 8	
2. /	Are there	signs of water er	osion (Y)- N - N/A	\		
					leposit in fans/basins	i
		excavatio	in ("cruter"	@ north	send of scrupe where it	created
Tests			sion? Y (N -)N/A	011	in the excavation	
-			Dunes - Soil on le	aves - Other		
	Commer	us.				
4. /	Are there	areas of ponding	?	Y/N Size	and depth:	
	Work Are					
			with wattles, cov	ered, compa	cted, not present? (Circle applicable)	
	Describe	:				
6.	Do you h	ave other erosion	concerns?			
					come concentrated. In IAR photograph the	
			lopment parcel ac			

ESCA RP Erosion Monitoring Form	Conducted By: Jallis
MRA: FEG.	Monitoring Date: 3/26/2015
Weather: Clear, 75°F	
Type of Monitoring: Pre-rain event (Post rain-event) Rou	utine - Other
Existing Erosion/Sediment Control Measures Present? Y	or N. If N skip to 2.
Type Functioning Properly? (Evidence of overtopping, undermining or flow around? Need repair or correction?	Comments/Notes
Wattles	
Blanket	
Silt Fence	•
Sand	-
Bags	
	· · · · · · · · · · · · · · · · · · ·
	*
. Are there signs of water erosion? (Y N - N/A	
Rilling gullying Loss of fines from surface - Sand/silt_do	eposit in fans/basins
area marked on map	Jing got a little worse
Are there signs of wind erosion? Y - N/A + H/S	is not a major problem
Loss of fines on surface - Dunes - Soil on leaves - Other Comments:	V '
Comments.	
. Are there areas of ponding?	ind depth:
. Work Areas	
Stockpiles are surrounded with wattles, covered, compact	ted not present? (Circle applicable)
Describe:	
. Do you have other erosion concerns?	
No	
lote: Photograph all BMPs and areas where flow might bed teep, bare parts of the development parcel adjacent to ran	

ESCA RP Erosion Monitoring Fo	rm	Conducted By: Joshua Ta	(5			
MRA:SEA - DINE /	Rd.	Monitoring Date: 8 27 3	2015			
Weather: Core 7-0'5	OF					
Type of Monitoring: Pre-rain event - Post rain	n-event - Rou	utine - Other				
Existing Erosion/Sediment Control Measures	Present?Y	N. If N skip to 2.				
Type Functioning Properly? (Evidence of overtopping, undermining or flow around?	Need (repair or correction?	Comments/Notes				
Wattles)					
Blanket						
Silt Fence						
Sand Bags						
Rolling Functioning	N					
water						
2. Are there signs of water erosion (Y - N - N/A Rilling - gullying - Loss of fines from surface Commen Com	- Sand/silt de	eposit in fans/basins The form on The	ne socies			
3. Are there signs of wind erosion? Y N/A Loss of fines on surface - Dunes - Soil on le	aves - Other					
Comments:						
4. Are there areas of ponding?	4. Are there areas of ponding? Y/N Size and depth:					
5. Work Areas						
Stockpiles are surrounded with wattles, cover	ered, compac	tted not present? (Circle applicable)				
Describe:						
6. Do you have other erosion concerns?						
No.						
Note: Photograph all BMPs and areas where flusteep, bare parts of the development parcel ad	ow might bec	ome concentrated. In IAR photograph the ge 47.				

	ES	CA RP Erosion Monitoring Fo	rm	Conducted By:	allis
	MRA:	IAR-RUT	_	Monitoring Date: 4	12015
	Weather	Clear 70°50	P		100.3
	Type of N	Ionitoring: Pre-rain event - Post rai		outine - Other	
1.		rosion/Sediment Control Measures			
	Туре		Need	Comments/Notes	
		of overtopping, undermining or	repair or		
	Wattles	flow around?	correction?		
			1		
	Die				
	Blanket				
	Silt Fence			15e veral vetent	ion basins
	rence		1 7 2	several retent	ilt
l	Sand			Jence mileria	15
	Bags		N	Jence material breaking down.	
l					
١					
١					
L					
2		signs of water erosion? Y - N - N/A			
	Rilling - g	gullying - Loss of fines from surface	- Sand/silt d	leposit in fans/basins	
L	1				
3		signs of wind erosion? Y - N - N/A	- 0"		
١	Commer	ines on surface - Dunes - Soil on le	eaves - Other		
	Comme	113.			
			\sim		
4	. Are there	areas of ponding?	Y/N Size	and depth:	
L					
5	. Work Are		arad aamna	eter (Sirala applicable)	
	Describe		ered, compa	cted, hot present? (Circle applicable)	
١	Describe				
-	Do you b	ave other erosion concerns?			
ľ	b 9	ave other erosion concerns:	, It		
	Wee	& to repair	5111	1 ence,	
		ave other erosion concerns?			
	ote: Photo	graph all BMPs and areas where fl	ow might bed	come concentrated. In IAR photograph the	
S	teep, bare	parts of the development parcel ad	ljacent to ran	ge 4/.	

	ES	CA RP Erosion Monitoring Fo	rm	Conducted By:
	MRA:	EG-Grenale	Rano	Monitoring Date: \$27.27
	Weather	Clerno 70%		7 - 3/5/1/50
	Type of M	lonitoring: Pre-rain event - Post rain	n-event (Ro	outine Other
		rosion/Sediment Control Measures		
	Туре	Functioning Properly? (Evidence	Need	Comments/Notes
		of overtopping, undermining or flow around?	repair or	
	Wattles	now around:	correction?	
			N	
	Blanket		N	
	Silt			
	Fence		N	
	Sand			
	Bags		N	
	Hydy	+ Grood growth	-N	
	mula	sevesced/dens		
2.		signs of water erosion? Y - N/A		
		gullying - Loss of fines from surface	e - Sand/silt o	deposit in fans/basins
	Commer	1		
3.		signs of wind erosion? Y - N-N/A		
	Loss of f	ines on surface - Dunes - Soil on le	eaves - Othe	r
l	Comme	nts:		
١				
4.	Are there	e areas of ponding?	Y/N Size	and depth:
5	Work Are	eas		
	Stockpile	es are surrounded with wattles, cov	ered, compa	acted (not present? (Circle applicable)
	Describe			
6	Do you h	ave other erosion concerns?		
	Λ	20		
N st	ote: Photo eep, bare	ograph all BMPs and areas where f parts of the development parcel ac	low might be	ecome concentrated. In IAR photograph the nge 47.

ES	SCA RP Erosion Monitoring Fo	rm	Conduc	cted By: Joshu	Sal :
MRA:	PF-Drive by	on Wi	Monitor Monitor	ring Date: 8	7/201
Weathe	". Clam. 70'5	. 60	to RI	+ Cilini	Hero.
Type of I	Monitoring: Pre-rain event - Post rai	in-evert - Ro	utine - Other	This was)
	Erosion/Sediment Control Measure			n 2	
Туре	Functioning Properly? (Evidence	Need	Comments/No		
	of overtopping, undermining or flow around?	repair or correction?			
Wattles	nov drodrig;	Correction?			
		A			
Blanket		100			
Silt					
Fence					
Sand					
Bags					
-					
		-			
2 Are ther	re signs of water erosion? Y -N/N				
	gullying - Loss of fines from surface		leposit in fans/b	pasins	
Comme			<u> </u>		
3. Are the	re signs of wind erosion? Y N -)N/A	\			
	fines on surface - Dunes - Soil on I	eaves - Othe			
Comm	ents:				
4. Are the	re areas of ponding?	Y / N Size	and depth:		
5. Work A	reas iles are surrounded with wattles, co	vered compa	octed (not preso	nt2 (direle applicable)	
Descrit		vereu, compe	icted, not prese	itt! (bircle applicable)	
6. Do you	have other erosion concerns?				
	Vo				
1					
Note: Dk -	tograph all DMDs and assessible	flow might b	nome seres	ated In IAD abata area	the
INULE. PRO	tograph all BMPs and areas where	now might de	concentr	ateu. III IAK priotograph	i ii ie

Note: Photograph all BMPs and areas where flow might become concentrated. In IAR photograph the steep, bare parts of the development parcel adjacent to range 47.

MRA: A P - Dovel - Parcel Monitoring Date: D 27/00 Weather: Type of Monitoring: Pre-rain event - Post rain-event - Routine - Other 1. Existing Erosion/Sediment Control Measures Present 70 or N. If N skip to 2.	15
Weather: Type of Monitoring: Pre-rain event - Post rain-event - Routine - Other	
1. Existing Erosion/Sediment Control Measures Present W or N. If N skip to 2.	
a management of the control of the c	
Type Functioning Properly? (Evidence Need Comments/Notes of overtopping, undermining or repair or	
Herri 200 - 100 -	, (
Wattles Some wattles break apart.	rng
Blanket	
Silt	
Fence	
Sand Many sand bags Bags needed to	
vanous locations.	
2. Are there signs of water erosion? (7 - N - N/A	
Rilling-gullying-Loss of fines from surface - Sand/silt deposit in fans/basins Comment Previously reported + Know entire locations	
3. Are there signs of wind erosion? Y N N/A Loss of fines on surface - Dunes - Soil on leaves - Other	
Comments:	
4. Are there areas of ponding? Y/N Size and depth:	
5. Work Areas	
Stockpiles are surrounded with wattles, covered, compacted, not present? (Oircle applicable)	
Describe:	
6. Do you have other erosion concerns?	
No	

Note: Photograph all BMPs and areas where flow might become concentrated. In IAR photograph the steep, bare parts of the development parcel adjacent to range 47.

ESCA RP Erosion Monitoring Fo	orm	Conducted By:
MRA: IAR- R4	7	Monitoring Date: 10/27/015
Weather: Coin, 70's	0 =	
Type of Monitoring: Pre-rain event Post ra	in-event - Rou	tine - Other
1. Existing Erosion/Sediment Control Measure	s Present Y c	r N. If N skip to 2.
Type Functioning Properly? (Evidence		Comments/Notes
of overtopping, undermining or flow around?	repair or correction?	
Wattles		
	M	
Blanket	'	
	N	
Silt Repair Silt Fence	2 /	
Fence sediment retention	7	
Bags and bags	4	
on I north side		
of front gate.		
2. Are there signs of water erosion? Y - WN/	Ά	
Rilling - gullying - Loss of fines from surfac		eposit in fans/basins
Comment		
3. Are there signs of wind erosion? Y/N-N/A		
Loss of fines on surface - Dunes - Soil on I	eaves - Other	
Comments:		
4. Are there areas of ponding?	Y//N Size a	nd depth:
5. Work Areas		
Stockpiles are surrounded with wattles, co	vered, compac	ted, not present? (Circle applicable)
Describe:		
6. Do you have other erosion concerns?		
No.		
		and the state of t
Note: Photograph all BMPs and areas where steep, bare parts of the development parcel a	now might becadiacent to rang	ome concentrated. In IAR photograph the ge 47.

ES	CA RP Erosion Monitoring Fo	rm	Conducted By:
MRA:	FEG-Grenal	e Range	Monitoring Date: 10/27/2003
Weather		Jan G	
Type of N	Monitoring. Pre-rain event Post rai	in-event - Routi	ne - Other
1. Existing E	Frosion/Sediment Control Measures	s Present Y ør	N. If N skip to 2.
Туре	Functioning Properly? (Evidence of overtopping, undermining or flow around?	Need Corepair or correction?	omments/Notes
Wattles			
		N	
Blanket		N	
Silt Fence		None	
Sand Bags	Need to clean out sond from the rons and	7	
	water bar located	on robe	I between upport
		0	
	signs of water erosion? Y - N/A		
	gullying - Loss of fines from surface	- Sand/silt dep	osit in fans/basins
Commen			
100	signs of wind erosion? Y N/A		
	ines on surface - Dunes - Soil on le	aves - Other	
Commen	nts:		
4. Are there	areas of ponding?	Y N Size and	I depth:
5. Work Are Stockpile	as es are surrounded with wattles, cove	ered, compacte	d, not present? (Circle applicable)
Describe	:		
6. Do you ha	ave other erosion concerns?	tione	Difems-
Note: Photog	graph all BMPs and areas where flo	ow might becon	ne concentrated. In IAR photograph the

steep, bare parts of the development parcel adjacent to range 47.

	ES	CA RP Erosion Monitoring Fo	rm	Conducted By: $(3, (3))$; (3)						
	MRA:	FEG-Grenade Ro	PPNE	Monitoring Date: 11, 9, 2015						
	Weather	: Clear, 70's	3							
	Type of N	lonitoring: Pre-rain event Post rai	in-event)- Ro	utine - Other						
1.	Existing E	rosion/Sediment Control Measures	s Present 🏵	or N. If N skip to 2.						
Type Functioning Properly? (Evidence of overtopping, undermining or flow around? Need repair or correction?										
	Wattles		2							
	Blanket		N							
	Silt Fence		N							
	Sand Bags	Functioning property	some wasut. required	Removed sand and sediment From cheutons. Filled up 20 sand bags and placed on water bar between upper and Lower sides of arenade range						
2.		signs of water erosion Y								
	Commen	rullying - Loss of fines from surface	Sand/silt of	L+ / require cleaning						
3.		signs of wind erosion? Y N- N/A nes on surface - Dunes - Soil on le								
	Commen									
4.	Are there	areas of ponding?	Y //N Size	and depth:						
5.	Work Are	as								
			ered, compa	cted, not present? (Circle applicable)						
	Describe:									
6.	Do you ha	ave other erosion concerns?								
	No									
		graph all BMPs and areas where fl parts of the development parcel ac		come concentrated. In IAR photograph the						

	ES	CA RP Erosion Monitoring Fo	rm	Conducted By: A Jalis					
	MRA:	IAR, Range 47		Monitoring Date: //-/0,//- 20/5					
	Weather	1 25							
	Type of Monitoring: Pre-rain event Post rain-event - Routine - Other								
1.	. Existing Erosion/Sediment Control Measures Present? Yor N. If N skip to 2.								
	Туре	Functioning Properly? (Evidence of overtopping, undermining or flow around?	Need repair or correction?	Comments/Notes					
	Wattles		No						
	Blanket		No						
	Silt			Made rending to silt Fence					
	Fence		Yes	Made repairs to silt Fence (attached favoic to wood states) on water retention basin along fence line of	u/				
	Sand Bags		No	2,600, 1000 0 17,					
_	<u></u>								
2.		signs of water erosion Y-N - N// gullying - Loss of fines from surface		debosit in fans/basins					
	Commer								
3.	Are there	signs of wind erosion? Y -N/- N/A							
		ines on surface - Dunes - Soil on le		r					
	Commer	nts:							
4.	Are there	areas of ponding?	Y/N \$ize	and depth:					
5.	Work Are	eas							
	Stockpile	es are surrounded with wattles, cov	ered, compa	acted, not present? (Circle applicable)					
	Describe	×							
6.	Do you h	ave other erosion concerns?							
	NO								
		ograph all BMPs and areas where f parts of the development parcel a		come concentrated. In IAR photograph the nge 47.					

Table C-1 2015 Aquatic Feature Monitoring in the Future East Garrison MRA Grenade Range

ESCA RP 2015 Annual Natural Resources Report

Date	Aquatic Feature Number	Water depth (ft.)	Turbidity	рН	Percent Emergent and Submergent Vegetation**	Flora Observed	Fauna Observed	CTS present?	CA Linderiella present?	Aquatic Invertebrates Present?	Total Rainfall During Last 7 days (in.)	Total Rainfall Since Last Monitoring Event (in.)	Total Rainfall Year to Date (in.)		
	AF09-1A*	1.4	Low	7.3	-	Plantago coronopus, Juncus phaeocephalus, Anagallis arvensis	tree frog egg masses (abundant) and larvae, mosquito larvae, water beetle, dragon flies (ovipositing)	no	no	yes					
1/5/2015	AF09-1B	0.34	Low	6.7	•	-	mosquito larvae, water beetle, UnID tiny red invertebrate	no	no	yes	0	7.99	10.9		
	AF09-2	1.18	Medium	6.7	-	Plantago coronopus, Eleocharis macrostachya, Spiranthes romanzoffiana, Juncus phaeocephalus, Anagallis arvensis	tree frog egg masses (mostly old), larvae, and adults (heard), mosquito larvae, water beetle, UnID tiny red invertebrate	no	no	yes					
	AF09-1A*	1.28	Low		25% emergent; 37% submergent	Senecio glomeratus, Acmispon glaber, Hypochaeris glabra	tree frog egg masses and larvae present, large shore bird tracks.	no	no	yes					
4/00/0045	AF09-1B	0	N/A	-		-	-	no	no	no	0.04		10.93		
1/22/2015	AF09-2	0.68	Medium	1	21% emergent; 7% submergent	Quercus agrifolia, Arctostaphylos montereyensis, A. crustacea, Acmispon glaber, Hyphochaeris glabra	tree frog larvae	no	no	no	0.01 0.03		10.93		
	AF09-1A*	1.14	Low	6.9	21% emergent; 43% submergent	Eleocharis macrostachya	tree frog larvae abundant	no	no	no					
2/18/2015	AF09-1B	0	-	-		-	-	no	no	no	0	0.39	11.32		
2/16/2015	AF09-2	0.64	Medium	6.7	1% emergent; 1% submergent	Eleocharis macrostachya	adult and many larval tree frogs, dark eyed junco foraging around aquatic feature	no	no	no	U	0.39	11.32		
	AF09-1A*	0.87	Medium	7.5	30% emergent; 45% submergent	-	few (~10) tree frog larvae, water beetle, robins using pool for water	no	no	yes					
	AF09-1B	0	-		-	-	-	no	no	no					
3/26/2015	AF09-2	0.32	Low	6	1% emergent; 4% submergent	Eleocharis macrostachya	many (50+) tree frog larvae and adults), mosquito larvae, water boatmen, unID 1" ochre colored aquatic worm/larvae	no	no	yes	0.04	3.06	14.38		
4/15/2015	AF09-1A*	0.44	Low		60% emergent; 10% submergent	Tribolium obliterum at high water line	tiny orange invertebrates (<1mm) at waters edge	no	no	yes	0	0.01	14.39		
-7/10/2010	AF09-1B	0	-	-	-	Unidentified Stylocline sp.	-	no	no	no] "	0.01	14.55		
	AF09-2	0	-	-	-	Eleocharis macrostachya	-	no	no	no					
	AF09-1A*	0	-	-	-	-	Unidentified Lepidoptera	no	no	yes					
5/4/2015	AF09-1B	0	-		-	-	-	no	no	no	0	0.42	14.8		
	AF09-2	0	-	-	-	Eleocharis macrostachya	-	no	no	no					

Table C-1 2015 Aquatic Feature Monitoring in the Future East Garrison MRA Grenade Range

ESCA RP 2015 Annual Natural Resources Report

Date	Aquatic Feature Number	Water depth (ft.)	Turbidity	pН	Percent Emergent and Submergent Vegetation**	Flora Observed	Fauna Observed	CTS present?	CA Linderiella present?	Aquatic Invertebrates Present?	Total Rainfall During Last 7 days (in.)	Total Rainfall Since Last Monitoring Event (in.)	Total Rainfall Year to Date (in.)
						Aquatic Features	s Dry From Spring-Fall 2015						
	AF09-1A*	0	-	-	-	Juncus phaeocephalus	none	no	no	no			
8/27/2015	AF09-1B	0	-	-	-	-	none	no	no	no	0	0	0
	AF09-2	0	-	-	-	Eleocharis macrostachya	none	no	no	no			
	AF09-1A*	0	-	-		Juncus phaeocephalus	none	no	no	no			
10/27/2015	AF09-1B	0	-	-		-	none	no	no	no	0.03	0.25	0.25
10/27/2010	AF09-2	0	-	-	-	Eleocharis macrostachya Juncus bufonius	none	no	no	no	0.00	0.20	0.20
	AF09-1A*	0.68	High		2% emergent; 15% submergent	-	none	no	no	no			
11/3/2015	AF09-1B	0	-	-		-	none	no	no	no	1.49	1.49	1.79
	AF09-2	0.81	Medium		10% emergent; 30% submergent	Eleocharis macrostachya; Juncus bufonius; Juncus phaeocephalus	none	no	no	no			
	AF09-1A*	0.7	High	6.8	60% emergent; 10% submergent	New Salix sp. sprouting around SE bank; Tribolium obliterum at high water line	none	no	no	no			
11/9/2015	AF09-1B	0	-	-		-	none	no	no	no	1.89	0.43	2.22
	AF09-2	0.78	Medium	6.6	60% emergent; 10% submergent	Eleocharis macrostachya; Juncus bufonius; Juncus phaeocephalus	none	no	no	no			
	AF09-1A*	1.12	Medium	6	5% emergent; 15% submergent	Juncus phaeocephalus	water beetles	no	no	yes			
11/17/2015	AF09-1B	0	-	-	-	-	-	no	no	no	0.56	0.9	3.12
	AF09-2	1.22	Medium	6.5	60% emergent; 10% submergent	Visible vegetation is largely seasonally dead	Pacific chorus frog heard near aquatic feature	no	no	no			
	AF09-1A*	0.96	Low	6.2	2% emergent; 4% submergent	Salix sp.	dark-eyed junco, deer hoof prints, California towhee	no	no	no			
12/3/2015	AF09-1B	0	-	-	-	-		no	no	no	0	0.27	3.39
	AF09-2	0.98	Low	6.2	15% emergent; 60% submergent	Juncus phaeocephalus	dark-eyed junco, California towhee	no	no	no			
	AF09-1A*	1.02	High	6.2	3% emergent; 20% submergent	Acmispon glaber, Anagallis arvensis, fine hair-like aquatic plant	Pacific chorus frog heard near aquatic feature	no	no	no			
12/11/2015	AF09-1B	0.07	Low	-	3% emergent; 10% submergent	Acmispon glaber, Stylocline	-	no	no	no	0.31	0.36	3.75
	AF09-2	1.16	Medium	6.5	15% emergent; 50% submergent	Visible vegetation is largely seasonally dead	Pacific chorus frog heard near aquatic feature	no	no	no			

Notes:
* Restored Aquatic Feature
** Percent cover is based on visual estimate and is affected by water turbidity.

Future East Garrison MRA – Grenade Range



Photograph 1

Restored aquatic feature AF09-1A

5 January 2015



Photograph 2

Reference aquatic feature AF09-2

5 January 2015









Future East Garrison MRA - Grenade Range



Photograph 3

Reference aquatic feature AF09-2

26 March 2015



Photograph 4

Flowering common spikerush (*Eleocharis* macrostachya) from reference aquatic feature AF09-2

26 March 2015









Future East Garrison MRA - Grenade Range



Photograph 5

Reference aquatic feature AF09-1B

26 March 2015



Photograph 6

Restored aquatic feature AF09-1A

26 March 2015









Future East Garrison MRA - Grenade Range



Photograph 7

Reference aquatic feature AF09-1B

7 April 2015



Photograph 8

Reference aquatic feature AF09-2

Pacific chorus frog

7 April 2015









Future East Garrison MRA – Grenade Range



Photograph 9

Reference aquatic feature AF09-2

27 August 2015



Photograph 10

Restored aquatic feature AF09-1A

27 October 2015









Future East Garrison MRA - Grenade Range



Photograph 11

Reference aquatic feature AF09-2

27 October 2015



Photograph 12

Restored aquatic feature AF09-1A

27 October 2015









Future East Garrison MRA – Grenade Range



Photograph 13

Reference aquatic feature AF09-2

17 November 2015



Photograph 14

Reference aquatic feature AF09-2

17 November 2015









Future East Garrison MRA – Grenade Range



Photograph 15

Reference aquatic feature AF09-1B

17 November 2015



Photograph 16

Restored aquatic feature AF09-1A

17 November 2015









Future East Garrison MRA – Grenade Range



Photograph 17

Restored aquatic feature AF09-1A

17 November 2015



Photograph 18

Restored aquatic feature AF09-1A

17 November 2015







