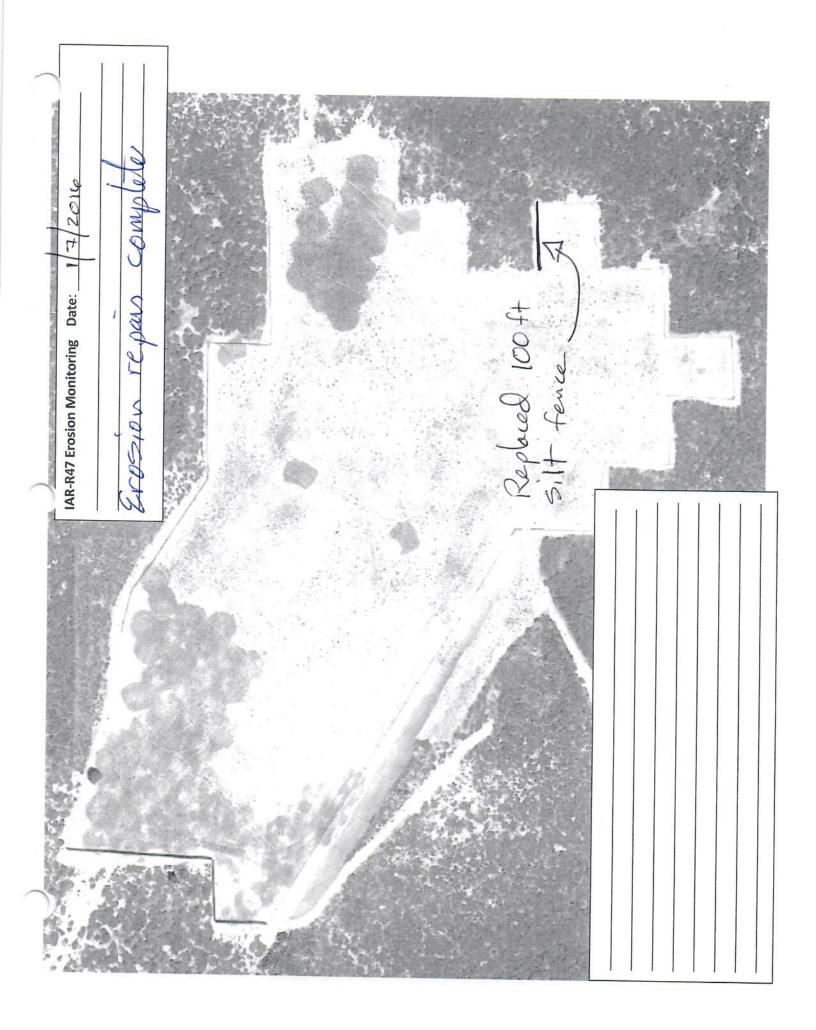
	MRA:	AR - R4=	+	Conducted By: J. Tallis Monitoring Date: 1/5/2014
	Type of Mo	nitoring: Pre-rain event (Post	rain quest	17/60/0
1				
1.		sion/Sediment Control Measu	the second s	
	Туре	Functioning Properly? (Evidence of overtopping, undermining or flow around?	Need repair or correction?	Comments/Notes
	Wattles			
	Blanket			
	Silt Fence		tch of	silt fence on east en
	Sand Bags	of R47 ha	o des	haded and needs replacing
	Hydro- mulcht	Escopment n	as no	new signs of erosion
	seeding			
,	Are there eig	na of water and in a vertice in		
	Rilling - gull	ns of water erosion? Y - N - N /ing - Loss of fines from surfac	/A Sand/ailt	demonstration of the second
	Comments:	ing Loss of files from surfac	e - Sand/Sill	deposit in fans/basins
	A == 4b ==			
		ns of wind erosion? Y - N/		
		s on surface - Dunes - Soil on	leaves - Othe	er
	Comments:			
. /	Are there are	as of ponding?	Y/N Size a	and donth:
		and or perioding.	I DIZE 2	
١	Vork Areas			
		re surrounded with wettles	un rod	
Г	Describe:	e surrounded with wattles, co	vered, comp	acted, not present? (Circle applicable)
. [o you have	other erosion concerns?		
	No.			
	100,			
				come concentrated. In IAR photograph the steep, ba

	E	SCA RP Erosion Monitoring Fo	orm	Conducted By:
	MRA:	FE.G Grenade	Rano	Monitoring Date: 1 adapt for 1
	Weathe		14 .0	- A Managero
	Type of I	Monitoring: Pre-rain event - Post ra	in-event - Ro	
1		Erosion/Sediment Control Measures		
	Туре	Functioning Properly? (Evidence	Need	Comments/Notes
		of overtopping, undermining or flow around?	repair or	
	Wattles		correction?	
			N	
	Blanket			
			N	
	Silt		,	
	Fence		NA	
	Sand	West-most som	0 100	
	Bags	sand but its	d ba	g chevrous are filling w/
		control area	and	can happen along
		w/ other re	pair	Pl
			F	
2.	Are there	signs of water erosion? Y - N/A		, ·
		ullying - Loss of fines from surface		eposit in fans/basins
	Commen			
3.	Are there	signs of wind erosion? Y - N - N/A		
		nes on surface - Dunes - Soil on lea	aves - Other	
	Comment	S: .		
4.	Are there a	areas of ponding?	YVN Size or	nd depth: 2.0
	Yo	a but unt	I) IN OIZE al	
5.	Work Area	as phillipping a	prob	en
	Stockpiles	are surrounded with wattles, cove	red, compact	ed, not present? (Oircle applicable)
	Describe:			
6.	Do you ha	ve other erosion concerns?	127	C A
	No	however east	slope	addition sheet notes.
	Satu	vrated. Der.	See	addition sheet notes.
No	te: Photog	raph all BMPs and areas where flow	w might beco	me concentrated in IAD shate see 1
	op, bare p	arts of the development parcel adja	acent to range	9 47.

V direction i A flow on weat side SOVO avo 10061 location and r sand alfa, water shed 20016 fasile water w water w wid water 24 1 cro Date: amo aldo FEG Grepade Range Erosion Monitoring 200 clievrons com be cleaned out I erer r 14 202



	" Clandy - (i	the n	
A DESCRIPTION OF TAXABLE PARTY.	Monitoring: Pre-rain event Post ra		
Type	Frosion/Sediment Control Measure		
Type	of overtopping, undermining or flow around?	Need repair or correction?	Comments/Notes
Wattles			
Blanket			
0.11	-		
Silt Fence		У	Will need to fix silt for basins eventually (ne, month or souper)
Sand Bags		(month or sooper)
Dags		•	
		5	
	signs of water erosion? N - N/A		
Rilling - g	ullying - Loss of fines from surface		eposit in fans/basins MN side of RYZ-
Rilling - g Commen Are there	ullying - Loss of fines from surface Timy bit of r signs of wind erosion? Y - (Y-N/A	- Sand/silt d	on N side of KIT.
Commen Are there Loss of fi	ullying - Loss of fines from surface Timy bit of r signs of wind erosion? Y - (Y-N/A nes on surface - Dunes - Soil on le	- Sand/silt d	on N side of KIT.
Rilling - g Commen Are there	ullying - Loss of fines from surface Timy bit of r signs of wind erosion? Y - (Y-N/A nes on surface - Dunes - Soil on le	- Sand/silt d	on N side of KIT.
Commen Are there Loss of fi Commen	ullying - Loss of fines from surface Tiny bit of r signs of wind erosion? Y - (Y-N/A nes on surface - Dunes - Soil on le ts:	aves - Other	m v side of Kitt.
Commen Are there Loss of fi Commen	ullying - Loss of fines from surface Timy bit of r signs of wind erosion? Y - (V-N/A nes on surface - Dunes - Soil on le ts: areas of ponding?	aves - Other	on N side of KIT.
Commen Are there Loss of fi Commen Are there Prev Work Area	ullying - Loss of fines from surface Timy bit of r signs of wind erosion? Y - (N-N/A nes on surface - Dunes - Soil on le ts: areas of ponding? Imp M bay	aves - Other	ind depth:
Killing - g Commen Are there Loss of fi Commen Are there Prev Work Area Stockpile	ullying - Loss of fines from surface Tiny bit of r signs of wind erosion? Y - (Y-N/A nes on surface - Dunes - Soil on le ts: areas of ponding? as areas of ponding? bay as are surrounded with wattles, cover	aves - Other	m v side of Kitt.
Are there Loss of fi Commen Are there Are there Prev Work Area Stockpile	ullying - Loss of fines from surface Tiny bit of r signs of wind erosion? Y - (Y-N/A nes on surface - Dunes - Soil on le ts: areas of ponding? as areas of ponding? bay as are surrounded with wattles, cover	aves - Other	ind depth:
Are there Loss of fi Commen Are there Commen Are there Vork Area Stockpile: Describe:	ullying - Loss of fines from surface Tiny bit of r signs of wind erosion? Y - (Y-N/A nes on surface - Dunes - Soil on le ts: areas of ponding? as areas of ponding? bay as are surrounded with wattles, cover	aves - Other	ind depth:
Are there Loss of fi Commen Are there Commen Are there Vork Area Stockpile: Describe:	ullying - Loss of fines from surface Tiny bit of r signs of wind erosion? Y - (V-N/A nes on surface - Dunes - Soil on le ts: areas of ponding? areas of ponding? as s are surrounded with wattles, cove	aves - Other	ind depth:

ESCA RP at the Former Fort Ord

	E	SCA RP Erosion Monitoring Fo	orm	Conducted By: J. Tallis	
	MRA:	1AR - R47		Monitoring Date: 3/8/201	
	Weathe	r. Clean, 60°	°E		2
	Type of	Monitoring: Pre-rain event -Post rai	n-event- Ro	outine - Other	
1.		Erosion/Sediment Control Measures			
	Туре		Need	Comments/Notes	
		of overtopping, undermining or flow around?	repair or correction?	Comments/Notes	
	Wattles				
	Blanket				
	Silt Fence	Creneyally frinctioning great except	Y	NI days work to Fix. Fence basins on N sie	silt le of
	Sand Bags	on some of the reten basins	hon	R47-Only should us	ede
 	Are there Rilling - a	signs of water erosion? Y - N - N/A			
	Comment	ullying - Loss of fines from surface	- Sand/silt de	eposit in fans/basins	
	Are there	signs of wind erosion? Y - N > N/A			
		nes on surface - Dunes - Soil on lea	Von Other		
	Comment	s:	ves - Other		
. /	Are there a	areas of ponding?	(N)Size a	nd depth:	
V	Vork Area	IS			
	Stockpiles	are surrounded with wattles, cover	ed, compac	ted not present? (Circle applicable)	
[Describe:				
C	o you hav	ve other erosion concerns?			
	No	. Conditions lo	ok	opeat.	
ote	e: Photogr	raph all BMPs and areas where flow arts of the development parcel adjac	/ might becc	me concentrated. In IAR photograph the	

2016 36 IAR-R47 Erosion Monitoring Date: New silt 33 rup (relen Winimed veed e n

MRA:	CARP Erosion Monitoring Fo	t kerces	Conducted By: J. Tallis Monitoring Date: 3/8/2011
Weather	Clean LODOF		<u></u>
Type of N	Aonitoring: Pre-rain event - Post rai	in-event -Ro	outine - Other
State of the local division of the	rosion/Sediment Control Measures)	
Туре	Functioning Properly? (Evidence	Need	Or N. If N skip to 2. Comments/Notes
	of overtopping, undermining or flow around?	repair or correction?	
Wattles			
Blanket			
Silt Fence			
Sand			
Bags t	Most are work	Ruga	p expected (properly)
Bars	croded throw	gh Th	e water bars and
	could be ver	Saures	Le Water and soil
	are not blo	enjing	from the denelosing
	parcel into ho	bit oc	relar 100 it bulk
	signs of water erosion? Y N - N/A		
	ullying - coss of fines from surface	- Sand/silt de	eposit in fans/basins
Comment			
. Are there	signs of wind erosion? Y -N/A		
Loss of fir	nes on surface - Dunes - Soil on lea	aves - Other	
Comment	S:		
. Are there a	areas of ponding?	Y IN Size a	nd depth:
. Work Area	IS		
Stockpiles	are surrounded with wattles, cove	red, compac	ted, not present? (Circle applicable)
Describe:		, comput	(Oncie applicable)
Do you hav	ve other erosion concerns?		
No			
oto: Dhata			
eep, bare p	raph all BMPs and areas where flo arts of the development parcel adja	w might beco acent to rang	pme concentrated. In IAR photograph the
			/

	ES	CA RP Erosion Monitoring Fo	orm	Conducted By: TTO	5
	MRA:	TEC.C.	P.	Monitoring Date: 3/8/20	_ []
	Weather	EGI-Civenade	Ran	all an SSOF	olle
	Type of M	Nonitoring: Pre-rain event Post ra	in-event Ro	TI	
1.	Existing E	rosion/Sediment Control Measure	s Present?Y	or N. If N skip to 2	
	Туре	Functioning Properly? (Evidence		Comments/Notes	
		of overtopping, undermining or flow around?	repair or correction?		
	Wattles				
			N		
	Blanket	. 10	1 1		
		NA	1		
	Silt Fence	NIA	1. A.		
		10/11			
	Sand Bags		NI		
	Dugo		17		
	Wate	water bar on rd	1		
	bur	entering grenade	4		
	R	repair. also	to i	(1.) · · · · · · · · · · · · · · · · · ·	t c'l.
	A.	of some	veres h	blawing from Sou into Vide Needs = to a	in side
2	Are there	signs of water erosion? Y - N/A	ange	MD Vrde Needre	to velue
	A CONTRACT OF A CONTRACT.	ullying - Loss of fines from surface	- Sand/silt d	enosit in fans/basins	divert, U
	Commen		ouria/one a		
3	Are there	signs of wind erosion? Y - N - N/A			
	A STREET, SALES AND A STREET, SALES	nes on surface - Dunes - Soil on le	aves - Other		
K 1	Commen		aves - Other		
			6		
4. /	Are there	areas of ponding?	Y N Size a	and depth:	
	Nork Area				
	Stockpiles	s are surrounded with wattles, cove	ered, compac	cted, not present? (Circle applicable)	
	Describe:				
6. C	Do you ha	ve other erosion concerns?			
	XI.				2.7
	IVD				
Not	e: Photog p, bare p	raph all BMPs and areas where flo parts of the development parcel ad	ow might bec jacent to rang	ome concentrated. In IAR photograph the ge 47.	

	MRA: <	DEAT-Blue	Line	R. Monitoring Date: 4/26/2016	
		n. Uleau Monitoring: Pre-rain event - Post rai	in-event - Ro	outine - Other	
1		rosion/Sediment Control Measures			
	Туре	Functioning Properly? (Evidence of overtopping, undermining or flow around?	Need repair or correction?	Comments/Notes	
	Wattles	-			
	Blanket				
	Silt Fence	-			
	Sand Bags	-			
	Rolling Bern	Y			
2.		signs of water erosion A - N/A ullying - Loss of fines from surface		enosit in fans/hasing	
3.	Commen	North end of BI	1	ne Rel in oak woodla	mD-
	Loss of fir	nes on surface - Dunes - Soil on lea	aves - Other	0	
	Comment	S:			
4.	Are there	areas of ponding?	Y/N Size a	and depth:	
5.	Work Area	as		2	
	Stockpiles	are surrounded with wattles, cove	ered, compac	oted not present? (Circle applicable)	
	Describe:				
6.	Do you ha	ve other erosion concerns?			
	No				
No ste	te: Photog ep, bare p	raph all BMPs and areas where flo arts of the development parcel adja	w might beca acent to rang	ome concentrated. In IAR photograph the ge 47.	

	ES	CA RP Erosion Monitoring Fo	orm	Conducted By: Visshus Icellis
	MRA:	1AR-Developmen	+P.	
	Weather		lin	013/2011e
	Type of M	Monitoring: Pre-rain event- Post rai	n-event - Ro	butine - Other
1.		rosion/Sediment Control Measures		
	Туре	Functioning Properly? (Evidence	Need	Comments/Notes
		of overtopping, undermining or flow around?	repair or correction?	
	Wattles	Yes		
	Blanket	_		
	Silt			
	Fence	_		
	Sand Bags	50 50.		Many of The bags have decomposed and left
				a mound of sand in their place. Maybe this will
				Sulface,
2. /	Are there	signs of water erosion? Y - N - N/A		
	Rilling - g	ullying - Loss of fines from surface	- Sand/silt d	eposit in fans/basins
	Comment			
3. /	Are there	signs of wind erosion? Y - N - N/A		
1	loss of fir	nes on surface (Dunes) Soil on lea	aves - Other	
	Comment	sind sand my	over	ent from w to E.
4. /	Are there a	areas of ponding?	Y / N Size a	and depth:
5. V	Vork Area	as		
	Stockpiles	s are surrounded with wattles, cove	red, compac	cted, not present? (Circle applicable)
Ī	Describe:			
6. E	Do you ha	ve other erosion concerns? /	(
-	ros	ion control st	ructu	nes are tived but
e	rosi	on on depa	sition.	are not threatened by
Not	e: Photog ep, bare p	raph all BMPs and areas where flo arts of the development parcel adj	w might bec	ome concentrated. In IAR photograph the ge 47.

	ESCA RP Erosion Monitoring Form		Conducted By: J. Tallis			
	MRA:	PF		Monitoring Date: 1A/3/2 alla		
	Weathe	r: Clear, 60°	F		le	
	Type of I	Monitoring: Pre-rain event - Post ra	in-event Ro	utine- Other		
1.	Existing B	Erosion/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					
	Blanket	-				
	Silt Fence					
	Sand Bags	_			2	
			-			
		signs of water erosion? Y N/A				
	Commen	ullying - Loss of fines from surface	- Sand/silt d	eposit in fans/basins		
3. /	Are there	signs of wind erosion? Y N N/A				
		nes on surface - Dunes - Soil on lea	aves - Other			
4. /	are there	areas of ponding?	Y N Size a	nd depth:		
5. V	Vork Area	as		20		
	Stockpiles	s are surrounded with wattles, cove	ered, compac	ted not present? (Circle applicable)		
I	Describe:					
		ve other erosion concerns?	0		1.	
	No	- Conditions	, als	ing and near G. Load are stable	ig ling Rd	
					v V	
stee	e: Photog ep, bare p	graph all BMPs and areas where flo parts of the development parcel adj	w might beca acent to rang	ome concentrated. In IAR photograph the ge 47.		

	ES	CA RP Erosion Monitoring Fo	orm	Conducted By:	C
Г	MRA:	FEGI Grenar	1 0		.13
	Weathe		1.14	01420	ile :
	Type of M	Monitoring: Pre-rain event - Post ra	in-event -Ro	Uting Other	
1	the second se	rosion/Sediment Control Measure			
ľ	Туре	Functioning Properly? (Evidence		or N. If N skip to 2. Comments/Notes	
		of overtopping, undermining or flow around?	repair or correction?	oonnients/Notes	
	Wattles	Yes			
	Blanket				
	Silt Fence				
	Sand Bags	Yes			
2.		signs of water erosion? Y -N -N/A			
	Rilling - g Comment	ullying - Loss of fines from surface	- Sand/silt de	eposit in fans/basins	
		0			
3.		signs of wind erosion? Y - N - N/A			
	Comment	nes on surface - Dunes - Soil on lea	aves - Other		
4.	Are there a	areas of ponding?	Y UN Size a	nd depth:	
5.	Work Area	IS			
	Stockpiles	are surrounded with wattles, cove	red, compac	ted, not present? (Circle applicable)	
	Describe:				
6.	Do you hav	ve other erosion concerns?	1	(]	0
	No	, Steep :	slopes	are vegetating	vicely
No	and te: Photog	raph all BMPs and areas where for	10 -	wet Dason ome concentrated. In IAR photograph the	0
ste	ep, bare p	arts of the development parcel adja	acent to rang	e 47.	

E	SCA RP Erosion Monitoring Fo	orm	Conducted By: TTT
MRA:	TAR - RY	12	Monitoring Date: 18/3/2011
Weathe	F. Purtha a lander	1	97" F
Type of	Monitoring: Pre-rain event - Post rai	10	V I
	the second s	-	
Туре	Erosion/Sediment Control Measures		Construction of the second state of the
Type	of overtopping, undermining or flow around?	Need repair or correction?	Comments/Notes
Wattles	-		
Blanket	-		
Silt			
Fence		Y	On north site of R47 the silt fence needs mino
Sand		V	marri renor ce,
Bags			
Are there			
	signs of water erosion? Y-N-N/A		
Commen	ullying - Loss of fines from surface	- Sand/silt de	eposit in fans/basins
	signs of wind erosion? Y - N-N/A		
Loss of fi	nes on surface - Dunes - Soil on lea	aves - Other	
Commen	ts: The wind SCY	een	on the west side few eas. It also looks like the fence.
15 2	oming apart i	in ar	eas. alt des lake like
Son	moone has 1	ifted	The fence.
. Are there	areas of ponding?	Y / Size a	nd depth:
. Work Area			
Describe:	s are surrounded with wattles, cove	red, compac	ted not present? (Circle applicable)
Describe.			
_			
. Do you ha	we other erosion concerns?		
Nor	e.		
lote: Photog	raph all BMPs and areas where flow	w might becc	ome concentrated. In IAR photograph the
toep, bare p	parts of the development parcel adja	acent to rang	le 47.
all	photo point phy	ATAN	inanitoral
	r ou point pro	0 1000	orio sec.

Weather:	in ly lonar	1, 60	Monitoring Date: 11/1/2016 FRAIN in past 24	hours
Type of M	onitoring: Pre-rain event - Post rain-e	Routine	- Othér	0013
Existing Er	osion/Sediment Control Measures Pre	sent? Y or N.	f N skip to 2.	-
Туре	Functioning Properly? (Evidence of overtopping, undermining or flow around?	Need repair or correction?	Comments/Notes	
Wattles	Yes	Concount		1
Blanket	YES			-
Silt Fence				-
Sand Bags	Yea			-
				v.
]
Are there sig	ns of water erosion? Y N/A			
Comments:	lying - Loss of fines from surface - Sa	nd/silt deposit i	n fans/basins	
re thore sig				
Loss of fine	ns of wind erosion? Y - N/A s on surface - Dunes - Soil on leaves	Others		1
Comments:	Durido Con on leaves	- Other		-
re there are	as of ponding?	()		
	as of ponding :	N Size and	depth:	
/ork Areas	re surrounded with wattles, covered,	compacted, no	t present? (Circle applicable)	
Stockpiles a		C		
Stockpiles a Describe:				
Stockpiles a Describe:	other erosion concerns?		ook areat.	Many

	ES	CA RP Erosion Monitoring Fo	orm	Conducted By: J. J. M. H.S
Γ	MRA:	FEGI-Grena	1	Monitoring Date: 12/12/2010
	Weather		A G	AD TE
	Type of N	Nonitoring: Rre-rain event - Post rai	n-event - Ro	utine Other
1		rosion/Sediment Control Measure		
	Туре	Functioning Properly? (Evidence of overtopping, undermining or flow around?	Need repair or correction?	Comments/Notes
	Wattles	NA		
	Blanket	NA		
	Silt Fence	MA		
	Sand Bags	Yes	No	
			. 0	
2	Are there	ninne of water and the Deve		
2.	Rilling - gu	signs of water erosion? Y (N) N/A ullying /Loss of fines from surface	- Sand/silt de	anosit in fans/hasing
	Comment	Site is rear	rowing	
3.	Are there s	signs of wind erosion? Y - N-NA		
	Loss of fin	nes on surface - Dunes - Soil on lea	aves - Other	
	Comment	5 .		
4	Are there a	areas of ponding?		
7.	λ	lot a Acab	Y IN Size a	nd depth: 4"
5.	Work Area	s 1 0 100	am.	
	Stockpiles	are surrounded with wattles, cove	red, compac	ted, not present? (Circle applicable)
	Describe:			
6.		ve other erosion concerns?		
	No	2		
No	te: Photogr	aph all BMPs and areas when a		
ste	ep, bare pa	arts of the development parcel adja	w might beco acent to rang	ome concentrated. In IAR photograph the e 47.

	ES	SCA RP Erosion Monitoring Fo	orm	Conducted By: 5 Talk					
Г	MRA:	SEA	Monitoring Date: 13 13 12	9]]					
	Weathe	r: Parter clauter	-50	SOF ALALO	lle				
	Type of M	Monitoring: Pre-rain event - Post ra	in-event - Ro	outine Other					
1.		Frosion/Sediment Control Measure							
L	Туре	Functioning Properly? (Evidence	Need	Comments/Notes					
L		of overtopping, undermining or flow around?	repair or						
	Wattles		correction?						
		NA							
	Blanket	NA							
	Silt Fence	NA							
	Sand Bags	MA							
	wate	Yes	No						
2.	Are there	signs of water erosion?Y - N - N/A							
(Rilling -)g	ullying - Loss of fines from surface		eposit in fans/basins	\cap				
	Comment	in seasido	th ene		A				
3.		signs of wind erosion? $Y - (N -)N/A$		NRAF.					
		nes on surface - Dunes - Soil on le	aves - Other						
	Comment	IS:							
4.	Are there a	areas of ponding?	Y/N \$ize a	nd depth:					
5.	Work Area	as							
	Stockpiles	s are surrounded with wattles, cove	ered, compac	ted, not present? (Orcle applicable)					
	Describe:								
6.	Do you ha	ve other erosion concerns?							
No	te: Photog	raph all BMPs and areas where flo	w might beco	ome concentrated. In IAR photograph the					
ste	ep, bare p	arts of the development parcel adj	acent to rang	je 47.					

	ESCA RP Erosion Monitoring Form			Conducted By: J. Talks Monitoring Date: 12/12/2016		
	Weathe	r. 50°F, Appin	Kling			
	Type of M	Monitoring: Pre-rain event Post ra		utine - Other	—	
1.		rosion/Sediment Control Measure			-	
	Туре		Need repair or correction?	Comments/Notes		
	Wattles	Yes	No		-	
	Blanket	Yes	No		-	
	Silt Fence	NA			_	
	Sand Bags	NA			-	
					_	
					-	
2.		signs of water erosion? Y - N/A			-	
	Rilling - gi Comment	ullying - Loss of fines from surface	- Sand/silt de	eposit in fans/basins	-	
		\bigcirc			-	
3.		signs of wind erosion? Y (N - N/A			-	
	Comment	nes on surface - Dunes - Soil on lea s:	aves - Other		-	
4. /	Are there a	areas of ponding?	Y / N Size ar	nd depth:	-2	
a second second	Work Area				_11	
	Stockpiles	are surrounded with wattles, cove	red, compact	ted, not present? (Circle applicable)		
	Describe:					
6. [Do you hav	ve other erosion concerns?	1	A DIALY P) 1 (
	Ne	lafter	ram	event,	actionina	
Not stee	te: Photogi ep, bare pa	raph all BMPs and areas where flo arts of the development parcel adja	w might beco acent to range	ome concentrated. In IAR photograph the e 47.		

read Anandmi IAR-R47 Erosion Monitoring Date: how and うべつい 0 3 0 W Cont NPAN Ner 4W) Pol IN 3 0 5 J New shaw 83

Date	MRA	Location	Type of Monitoring	Findings	Actions
1/5/2016	IAR	Range 47	Post-Rain Event	 -100 foot stretch of silt fence on east side of R47 is degrading and needs replacing. -Escarpment has no new signs of erosion. 	
1/7/2016	FEG	Grenade Range	Post-Rain Event	-West-most sand bag chevrons are filling with sand but it's not a critical erosion control area and can happen along with other repairs -There are areas with ponded water, such as right below escarpment, but not erosion problem. -East facing slope is stable and mostly vegetated, however, the same area is starting to get water-logged and mushy. A new sand bag water bar was planned in case conditions get worse. It's shown on field data sheet.	-Lay out new sand bag water bar plan.
1/7/2016	IAR	Range 47			-Install 100-foot silt fence on east side of Range 47 as seen on data sheet.
1/20/2016	IAR	Range 47	Post-Rain Event	-Silt fence basins on north bottom side of Range 47 are in non-urgent need of maintenance within next month, depending on rain. -Minor rilling on north side of R47. -Ponding in silt fence basins.	
3/8/2016	IAR	Range 47	Post-Rain Event	-Minor undercutting of silt fence basins -About 1 day of work to fix silt basins. Only shovel needed. -New silt fence near front gate looks great.	
3/8/2016	IAR	Development Parcel	Post rain-event	-Most sand bags working as expected (properly). In two locations water has eroded through the water bars and should be repaired. -Water and soil are not flowing from the development parcel into habitat parcel or into the 100-foot buffer.	

Date	MRA	Location	Type of Monitoring	Findings	Actions
3/8/2016	FEG	Grenade Range	Post rain-event	-Water bar on west side needs repair. Water is flowing from south side of grenade range into road and needs shoveling to divert.	-
4/26/2016	SEA	Blue Line Road	Routine	-Rolling berm functioning well. -There is rilling on Blue Line Road at north end where it passes through oak woodland and is worsening.	
10/3/2016	IAR	Development Parcel	Routine	-Wattles functioning properly. -Many sand bags have decomposed and left a mound of sand in their place. This will suffice but is less resilient than full bag. -There is minimal wind based sand movement from west to east. -Erosion control structures are tired but nearby habitat parcels are not threatened by erosion or deposition.	
10/3/2016	PF	Phase 2	Routine	-Conditions along and near Gigling Rd. and Watkins Gate Rd. are stable.	-
10/3/2016	FEG	Grenade Range	Routine	-Wattles and Sand Bags functioning properly. -Steep east-facing slope is vegetating well and appear ready for wet season rains.	
10/3/2016	IAR	Range 47	Routine	-North side of R47 silt fence needs minor maintenance. -The wind screen on the west side of R47 appears to have been lifted over a fence post and is not functioning properly.	
11/1/2016	FEG	Grenade Range	Post-Rain Event	-All erosion control BMPs are functioning properly. -Good regrowth of vegetation. -No signs of soil movement.	
12/12/2016	FEG	Grenade Range	Routine	-All erosion control BMPs are functioning properly. -No erosion concern.	
12/12/2016	SEA	Blue Line Road	Routine	-Only erosion control BMP is water bar near Watkins Gate West which is working properly. -Rilling was observed at the usual location on north end of blue line road. Rills are about 6 inches deep at deepest point.	

Date	MRA	Location	Type of Monitoring	Findings	Actions
12/12/2016	IAR	Range 47	Routine	-New erosion blanket and wattles installed after removal of fenceline and associated silt fence. -BMPs look great after 0.5 inches of rain. -Compacted dirt road entering R47 from the east was loosened/tilled to reduce runoff and increase infiltration.	

Date	MRA	Location	Type of Monitoring	Findings	Actions

Date	MRA	Location	Type of Monitoring	Findings	Actions

Appendix E - Erosion Monitoring and Maintenance Photo-documentation



Photograph 1

Location: Interim Action Ranges (IAR) Munitions Response Area (MRA), Range 47

Description:

100-foot length of silt fence in need of repair on east end of Range 47 in the Interim Action Ranges MRA. This silt fence was later replaced.

Date: 5 January 2016

Photograph 2

Location: IAR MRA, Range 47

Description:

Silt fence in need of maintenance on north side of Interim Action Ranges MRA. This silt fence was later repaired.

Date: 8 March 2016

FORA ESCA Remediation Program



ARCADIS





Appendix E - Erosion Monitoring and Maintenance Photo-documentation





Photograph: 3

Location:

Future East Garrison (FEG) MRA, Grenade Range

Description:

East facing slope in Future East Garrison MRA grenade range is well vegetated and stable **Date:** 27 May 2016

Photograph 4

Location: FEG MRA, Grenade Range

Description: Blue wildrye hydroseeded in fall 2014 is now well established and seeding.

Date: 27 October 2016

FORA ESCA Remediation Program



ARCADIS





Appendix E - Erosion Monitoring and Maintenance Photo-documentation



Photograph 5

Location: IAR MRA, Range 47

Description:

New erosion control BMPs installed at north end of Range 47 after removal of fence and gopher wire.

Date: 12 December 2016

Photograph 6

Location: IAR MRA, Range 47

Description:

New erosion control BMPs installed at north end of Range 47 after removal of fence and gopher wire.

Date: 12 December 2016

FORA ESCA Remediation Program



ARCADIS





WESTCLIFFE | ENGINEERS