### NATURAL RESOURCE IMPACT MITIGATION CHECKLIST

### Checklist No. 1

#### **Revision 1**

Notify the Environmental Services Cooperative Agreement Remediation Program (ESCA RP) Senior Qualified Biologist (SQB, 805-478-0727) before proceeding if it is proposed that work boundaries change, types of equipment change, additional vegetation removal is necessary, vegetation cutting methods change, or any other conditions change.

ESCA MRA:	Parker Flats MRA, Residential Quality Assurance (RQA) Level 2 Digital Geophysical Mapping (DGM) Baseline Survey	Date:	19-Oct-12 [Updated from 25-Mar-09]		
Work to be conducted:	This work implements the ESCA RQA Process addressing regulatory agency concerns regarding residual munitions and explosives of concern (MEC) risk in areas designated for future residential reuse after MEC investigations and removal actions have been completed. Approximately 12 acres of the Parker Flats MRA proposed residential reuse areas are recommended for further assessment during the RQA Pilot Study Implementation Phase Level 2 Baseline Digital Geophysical Mapping (DGM) Survey (Figure 1). Potential activities include: field staking; tree surveys and identification of dead or diseased trees and limbs by the Project Arborist; removal of surface vegetation including brush; tree limbing, cutting or removal as coordinated with SQB/Project Arborist; chipping of vegetation debris on site or removal of debris from the work area; erosion control measures (if required); and MEC field activities including instrument-aided investigation, target-specific excavation (including hand tool and/or mechanized equipment soil removal) as required to investigate MEC, backfill of MEC investigation excavated soil, and field demolition of recovered MEC as required.				
Relevant Work Plan Reference and Section(s):	Final Group 1 Remedial Investigation/Feasibility Study (RI/FS) Work Plan Volume 2 – Sampling and Analysis Plan, Appendix F: RQA Pilot Study Work Plan December 2008.  Field Variance Form (FVF) No. G1WP-004; Residential Quality Assurance Pilot Study Work Plan Addendum. Group 1 Remedial Investigation/Feasibility Study Work Plan, Seaside Munitions Response Area and Parker Flats Munitions Response Area Phase II, February 2011.  FVF No. G1WP-008; RQA Pilot Study, ESCA RQA Process Implementation Study, Parker Flats MRA RQA Level 2 – DGM Baseline Survey and Evaluation, September				

**FORA ESCA Remediation Program Team** 







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Parker Flats MRA RQA Leve		OGIVI Surv	re <b>y</b> 				
2012.							
1. LAND USE DESIGNATION:	☐ Hal Reser	bitat rve			lopment Residential lential	О	ther (specify):
2. LAND OWNER:	Army	Parcel No(s). and/or Locatio	•				
	FORA No(s). Surve		Survey A	ats MRA, RQA reas, portions of .5 (Figure 1)		seline DGM E18.1.2, E19a.1,	
3. FEDERAL ESA SP REPORTED IN PA			Yes		□ No	Flagge	ed/Marked
Reported ESA Species [common name(s)]:	Monterey (sand) gilia and Monterey spineflower. California tiger salamander (CTS) potential upland habitat (Figure 1).						
Reported Species' Location(s):	Monterey (sand) gilia and Monterey spineflower populations have been reported from open sandy areas in maritime chaparral and nearby grassland and oak woodland habitat in Parcels E18.1, E19a.1, E19a.5 (HMP 1997). Monterey spineflower has been observed by ESCA RP Biologists in Parcel E19a.1 in open areas.						
	potential C' present in a through De rainfall. If p	TS uplandan area, adecember 3 present in	d habita dults ma 31 and d 1 a nearl	at (within 2 ay migrate luring Janua by breeding	km CTS habita on the surface a ary 1 through M	at Buffer zon at night durin Aarch 15, afte may migrate	ng October 15 er/during e on the surface
Grid Numbers:	NA						

Restrictions:	General: Level 2 Baseline DGM Survey and associated activities shall be conducted in such a manner as to minimize impacts to ESA-listed species and their habitats to the extent feasible. Field supervisors shall coordinate with the ESCA RP Biologists to implement this general requirement.
	<u>Vehicle and mechanized equipment operations:</u> Access to the site shall be by means of existing roads and trails, whenever feasible. Off-road and off-trail ingress/egress pathways to/from work areas shall be minimized to the greatest extent possible.
	Brush cutting: Brush cutting activities will be conducted as required in support of Level 2 Baseline DGM Survey and associated activities. To the extent feasible, significant efforts will be made to minimize impacts to the habitat and to limit root disturbance during vegetation removal. An ESCA RP Biologist will be consulted during the brush cutting activities.
	CTS Measures: Site work will occur during daylight hours. Between October 15 and March 31, any work materials, vehicles and mechanized equipment touching the ground and left onsite overnight shall be inspected by site personnel for CTS presence in the morning prior to commencement of work after the occurrence of a rainfall event of at least ½ inch of rain falling within the prior 24-hour period. If a CTS or possible CTS is observed, the animal shall not be disturbed, and a Qualified Biologist (QB, a biologist approved by USFWS to rescue/handle CTS at former Fort Ord per the applicable Biological Opinion) shall be immediately contacted to move the animal to a safe location. No personnel other than a QB may touch or handle CTS. If CTS are encountered, a QB will: take appropriate actions to avoid or minimize take of the species as authorized by USFWS, notify the U.S. Army and record the information on the appropriate reporting form.

4. HMP (NON-FEDE) SPECIES REPORTED PARCEL(S):	,	⊠ Yes	□ No	☐ Flagged/Marked		
Reported HMP Species [common name(s)]:	Sandmat manzanita, Hooker's manzanita, Toro manzanita, Monterey ceanothus, California black legless lizard, and Monterey ornate shrew					
Reported Species' Location(s):	Sandmat manzanita, Hooker's manzanita, Toro manzanita, Monterey ceanothus are HMP shrubs that occur in maritime chaparral in the Monterey region and are reported from Parcels E18.1.2, E19a.1, and E19a.5. California black legless lizard and Monterey ornate shrew are also reported from these parcels. In addition, Monterey ceanothus, California black legless lizard and Monterey ornate shrew have been observed in Parcels 18.1.1 and 18.1.3 (HMP 1997).					
Grid Numbers:	NA					

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<b>Restrictions:</b>		conc	General: Level 2 Baseline DGM Survey and associated activities shall be conducted in such a manner as to minimize impacts to HMP non-Federal ESA-listed species and their habitats to the extent feasible. Field supervisors shall coordinate with the ESCA RP Biologist to implement this general requirement.					
		such and	<u>Vehicle and mechanized equipment operation</u> : Activities shall be conducted in such a manner as to minimize impacts to HMP non-Federal ESA-listed species and their habitats to the extent feasible. Field supervisors shall coordinate with the ESCA RP Biologists.					
		requ Base effor spec remo	Brush cutting: Brush cutting equipment and activities will be operated as required in support of the RQA Pilot Study Implementation Phase Level 2 DGM Baseline Survey and associated activities. To the extent feasible, significant efforts will be made minimize impacts to the HMP non-Federal ESA-listed species and their habitats, and to limit root disturbance during vegetation removal. An ESCA RP Biologist will be consulted during brush cutting activities. and intrusive MEC investigation activities.					
5. AQUATIC FEATURES (i.e., VERNAL POOLS/PONDS) PRESENT:			☐ Yes	⊠ No		☐ Flagged/Marked		
<b>Location</b> (s):		No known aquatic features are located in the Level 2 Baseline DGM Survey areas.  Aquatic features are located within 2 kilometers of portions of the Parker Flats MRA  RQA Level 2 Baseline DGM Survey areas (Figure 1).						
Grid Number(s)	:	NA	NA					
Work can proceed in pools/ponds?: N/A			onds?: N/A	☐ Yes		□ No		
<b>Restrictions:</b>	Restrictions: NA							
6. VEGETATION	ON	REMOV	VAL					
☐ None	I	ocation(s	cation(s): Parker Flats MRA, RQA			2 Baseline DGM Survey Areas (Figure		

IMPACT MITIGATION CHECKLIST No. 01Rev. 1
Parker Flats MRA RQA Level 2 Baseline DGM Survey

Manual Removal	Location(s):	Manual removal is allowed in designated work areas.		
<b>Restrictions:</b>	None			
Mechanical Removal	Location(s):	Mechanical removal is allowed in all work areas.		
Restrictions:	which are neither are no restriction Parker Flats MR Trees will be prounavoidable to during tree removed Brush cutting enguired in supply will be made to	18.1.2, E19a.1, and E19a.5 support stands of native coast live oak trees or endangered nor threatened under Federal or State law. Although there as on vegetation removal for the proposed residential reuse parcels of the A, overall impacts to the area will be minimized to the extent possible. Esserved if possible; however, tree removal during field activities may be complete the field activities. An ESCA RP Biologist will be consulted oval activities.  [uipment and activities will be operated in areas where brush cutting is cort of Level 2 Baseline DGM Survey and associated activities. Efforts limit root disturbance during vegetation removal. An ESCA RP Biologist during brush cutting activities a.		

### 7. EROSION CONCERNS/SITE RESTORATION:

Areas where vegetation removal, surface soil disturbance and/or MEC investigation operations are conducted will be subject to the provisions of the:

Stormwater Management and Erosion Control Plan (Internal Use) for Parker Flats Munitions Response Area, January 30, 2008, Revised March 30, 2009.

Note: Best management practices (BMPs) will be implemented and maintained to reduce or eliminate soil erosion and storm water runoff; and to prevent sediment being transported off of the Parker Flats MRA and onto adjacent properties or across the borderland development areas along the Natural Resource Management Area Interface..

**8. SITE** ACCESS: The MRA is accessed via Parker Flats Road, and 8<sup>th</sup> Avenue.

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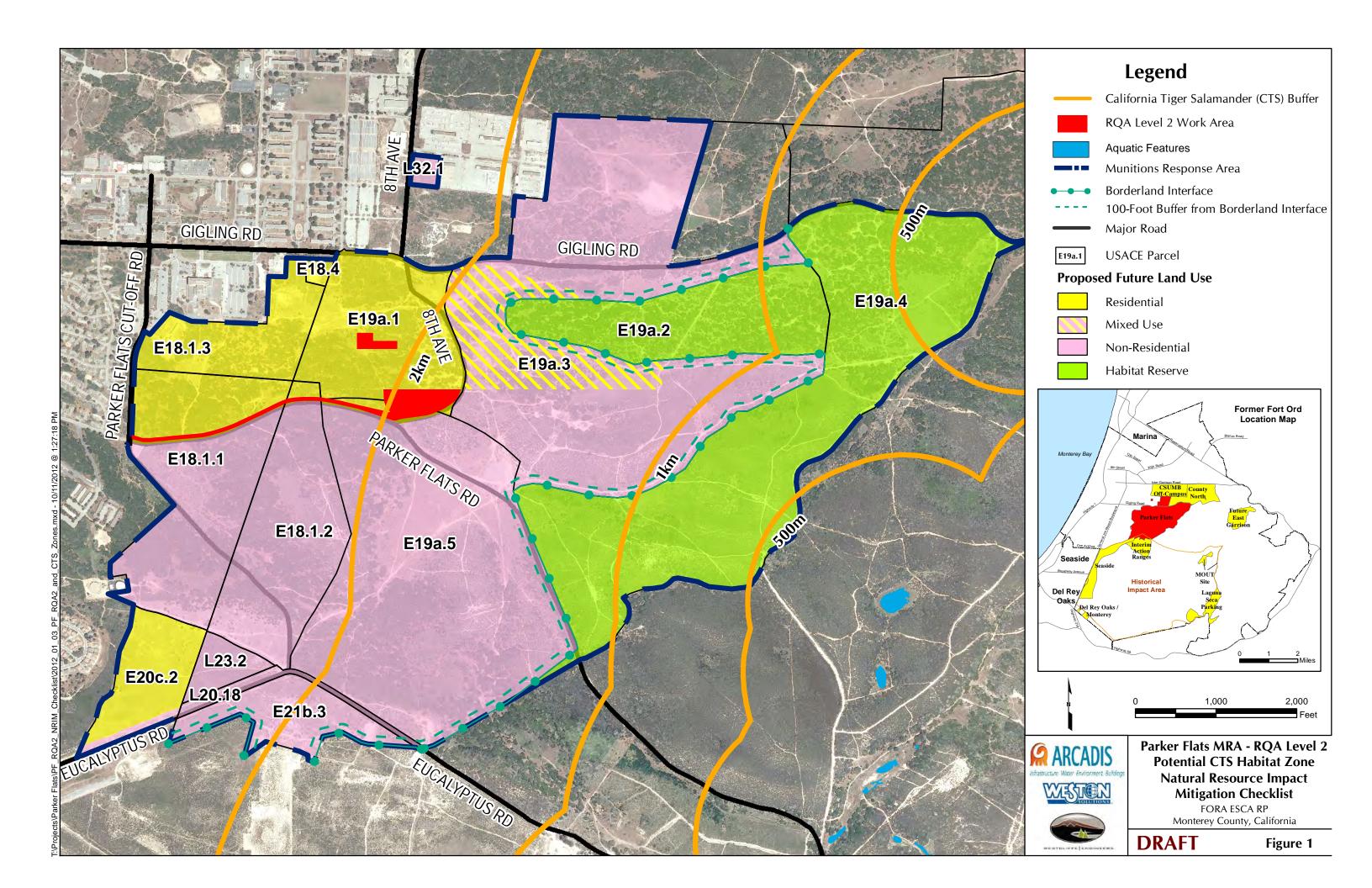
#### 9. ADDITIONAL SITE CONCERNS:

Materials, tools and equipment mobilized to the work area shall be free of offsite soil and plant material to minimize potential introduction of soil micro-organisms and weeds.

The identified Level 2 Baseline DGM Survey areas are designated as proposed residential reuse parcels. No resource conservation requirements are associated with these parcels per the Installation-Wide Habitat Management Plan (HMP). However, overall impacts to the area will be minimized to the extent possible.

### **Attachments**

Figure 1. Parker Flats MRA, RQA Level 2 Potential CTS Habitat Zone Natural Resource Impact Mitigation Checklist.



### NATURAL RESOURCE IMPACT MITIGATION CHECKLIST

### Checklist No. 2

#### **Revision 01**

**Title:** Seaside MRA Residential Quality Assurance (RQA) Level 2 Baseline Digital Geophysical Mapping (DGM) Survey.

#### **AND**

Seaside MRA RQA Level 3 Soil Scrape and Post Scrape DGM Survey

Notify the Senior Qualified Biologist (805-478-0727) before proceeding if it is proposed that work boundaries change, types of equipment change, additional vegetation removal is necessary, vegetation cutting methods change, or any other conditions change.

ESCA MRA:	Seaside Munitions Response Area (MRA)	Date:	o3/01/2013		
Work to be conducted:	RQA Level 2 Baseline DGM Survey:  Mobilization, field staking to establish site installation (if required), mechanical vegeta DGM activities, and manual and mechanical RQA Level 3 Soil Scrape and Post-scrape Mobilization, field staking to establish site installation (if required), mechanical vegeta trees), visual surface clearance, soil scrapin excavation DGM survey, manual and mechanical vegeta trees (MEC) concerns are not resolved, I will continue until the data collected indicat reuse with appropriate institutional controls	tion removal anomaly experiments of the property of the proper	al, visual surface clearance, , excavation to depth.  vey:  erosion control measure al to ground surface (including ag of 6-12 inch lifts of soil, postaly excavation to depth, and al munitions and explosive of Scrape and Post-scrape activities		
Relevant Work Plan Reference and Section(s):	Final Group 1 Remedial Investigation/Feasi Sampling and Analysis Plan, Appendix F: F Study Work Plan, December 2008. Field Variance Form (FVF) G1WP-005, RC Implementation Study (Phase II), Seaside M 2 – Digital Geophysical Mapping (DGM) B FVF-G1WP-007, RQA Pilot Study, Environ (ESCA) RQA Process Implementation Study Area (MRA) RQA Level 2 – Digital Geoph Evaluation – Additional Level 2 Acreage R FVF-G1WP-009 (in development), RQA Pilot	Residential ( A Pilot Stu Iunitions Re aseline Sur nmental Ser ly (Phase II) ysical Mappecommende	Quality Assurance (RQA) Pilot  ady, ESCA RQA Process esponse Area (MRA) RQA Level evey and Evaluation  vices Cooperative Agreement b, Seaside Munitions Response bing (DGM) Baseline Survey and ed in Seaside MRA		

FORA ESCA Remediation Program Team







IMPACT MITIGATION CHECKLIST No. 2, Rev. 01 Seaside MRA RQA Level 2 Baseline DGM Survey

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Seaside MRA RQA Level 3 Soil Scrape and Post Scrape DGM Survey

Implementation Study (Phase II), Seaside Munitions Response Area (MRA) RQA Level 3 – Scrape and Post Scrape Digital Geophysical Mapping (DGM) Survey and Evaluation

1. LAND USE DESIGNATION:	☐ Hal Reser	bitat rve		Development  ☑ Non-Residential  ☑ Residential	Other (specify):
2. LAND OWNER:	☐ Army	Parcel No(s). and/or Locatio	n:		
	FORA	Parcel No(s). and/or Locatio	n::	Figure 1: Seaside MRA RQA Level 2 A E23.2, and E24 Seaside MRA RQA Level 3 A	

3. FEDERAL ESA SP REPORTED IN PA		⊠ Yes	□ No	☐ Flagged/Marked		
Reported ESA Species [common name(s)]:	California tiger salamander (CTS), Monterey spineflower, and Monterey gilia (sand gilia).					
Reported Species' Location(s):	CTS potential upland habitat: The majority of Parcel E24 is within potential CTS upland habitat (within 2 km of CTS habitat buffer zone). The south west corner of Parcel E24 is within the 1 km CTS habitat buffer zone (Figure 1). Monterey spineflower and Monterey gilia (sand gilia) occur in sandy openings between shrubs in maritime chaparral, as well as in adjacent disturbed grassland areas; both of these species have been reported from Parcel E24. Monterey spineflower has also been reported from Parcel E23.2.					
Grid Numbers:	NA					

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IMPACT MITIGATION CHECKLIST No. 2, Rev. 01
Seaside MRA RQA Level 2 Baseline DGM Survey
Seaside MRA RQA Level 3 Soil Scrape and Post Scrape DGM Survey

#### **Restrictions:**

**General:** RQA activities shall be conducted in such a manner as to avoid and minimize impacts to Federal ESA-listed species and their habitats to the greatest extent feasible. Impacts to Federal ESA-listed species shall be limited by minimizing investigations spatially and temporally, and by not performing work outside the work area.

**Vehicle and mechanized equipment operations**: Access to the site shall be by means of existing roads and trails, whenever feasible. Off-road and off-trail ingress/egress pathways to/from work areas shall be minimized to the greatest extent possible.

**Brush cutting**: Brush-cutting and removal equipment will operate in areas where brush cutting is required per FVF Numbers 005, 007 and 009.

**Soil sifting**: Scraped soil shall be stockpiled in designated areas.

#### **California Tiger Salamander (CTS) Mitigation Measures:**

An ESCA Remediation Program (RP) biologist who is approved by the U.S. Fish and Wildlife Service to handle CTS per this checklist is referred to as a "Qualified Biologist" or QB and shall report findings to the Senior Qualified Biologist.

Site work shall occur during daylight hours.

Between October 15 and March 31, all points of contact with the ground of work materials, vehicles and mechanized equipment left onsite overnight shall be inspected by site personnel for CTS presence in the morning prior to commencement of work if ½ inch or more of rain has fallen within the prior 24-hr period. If a CTS or possible CTS is observed, the animal shall not be disturbed, and a QB will be notified immediately. Only a QB may touch or handle CTS. If CTS are encountered, a QB will: take appropriate actions to avoid or minimize take of the species as authorized by USFWS, notify the U.S. Army within 24 hours, and record the information on the appropriate reporting form.

IMPACT MITIGATION CHECKLIST No. 2, Rev. 01 Seaside MRA RQA Level 2 Baseline DGM Survey

Seaside MRA RQA Level 3 Soil Scrape and Post Scrape DGM Survey

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4. HMP (NON-FEDERAL ESA) SPECIES REPORTED IN PARCEL(S):		Y	'es	□ No	☐ Flagged/Marked			
Reported HMP Species [common name(s)]:		Eastwood's ericameria, seaside bird's beak, sandmat manzanita, Toro manzanita, Monterey ceanothus, coast wallflower, and California black legless lizard.						
Reported Species Location(s):	Eastwood's ericameria, seaside bird's beak, sandmat manzanita, Toro manzanita, and Monterey ceanothus are HMP shrubs that occur in maritime chaparral in the Monterey region. Seaside bird's beak and coast wallflower, both HMP forbs, occur in openings between shrubs in maritime chaparral, as well as in adjacent disturbed grassland areas. California black legless lizard occurs in sparsely vegetated areas with leaf and branch litter in sandy soils and has been observed in Parcel E24. All of these species have been reported from Parcel E24. Eastwood's ericameria, sandmat manzanita, Monterey ceanothus, and California black legless lizard have also been reported from Parcels E23.1 and E23.2.							
Grid Numbers:	NA							
Restrictions:	General: RQA activities shall be conducted in such a manner as to avoid and minimize impacts to HMP non-Federal ESA-listed species and their habitats to the greatest extent feasible. Field supervisors shall coordinate with the ESCA RP Biologist to implement this general requirement.  Vehicle and mechanized equipment operation: Same restrictions as for federal-listed ESA species.  Ingress/egress: Same restrictions as for Federal-listed ESA species.							
5. AQUATIC FEAT VERNAL POOI PRESENT:		Y	es	⊠ No	☐ Flagged/Marked			
Location(s):	No aquatic features are located in the Seaside MRA.							
Grid Number(s):								
Work can proceed in	in pools/ponds?: N/A							
Restrictions:	Note: CTS could occur in portions of the Seaside MRA, therefore travel shall be restricted to the approved haul route (located along the east and south boundary of the MRA) when outside of the work area. The 2 km CTS habitat buffer only extends into parcel E24. The 1 km CTS habitat buffer extends into the southern end of Seaside MRA. (Figure 1)							

IMPACT MITIGATION CHECKLIST No. 2, Rev. 01 Seaside MRA RQA Level 2 Baseline DGM Survey

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Seaside MRA RQA Level 2 Baseline DGM Survey Seaside MRA RQA Level 3 Soil Scrape and Post Scrape DGM Survey

6. VEGETATION REMOVAL				
☐ None	Location(s):			
Manual Removal	Location(s):	Manual vegetation removal is allowed in all work areas.		
Restrictions:				
⊠ Mechanical Removal	Location(s):	Mechanical vegetation removal is allowed in all work areas.		
Restrictions:	be conducted in s listed and non-Fe	tation removal is allowed in all work areas. Work activities shall uch a manner as to avoid and minimize impacts to Federal ESA-deral ESA-listed HMP species and their habitats to the extent inducting RQA activities.		

### 7. EROSION CONCERNS/SITE RESTORATION:

Best Management Practices shall be installed to minimize erosion/runoff for the RQA Level 2 and 3 areas. These practices may include controls such as water bars, silt fences, and hay wattles. All areas shall be monitored for erosion and sediment control.

**8. SITE ACCESS:** Access to the site may be obtained primarily via Eucalyptus Road.

### 9. ADDITIONAL SITE CONCERNS:

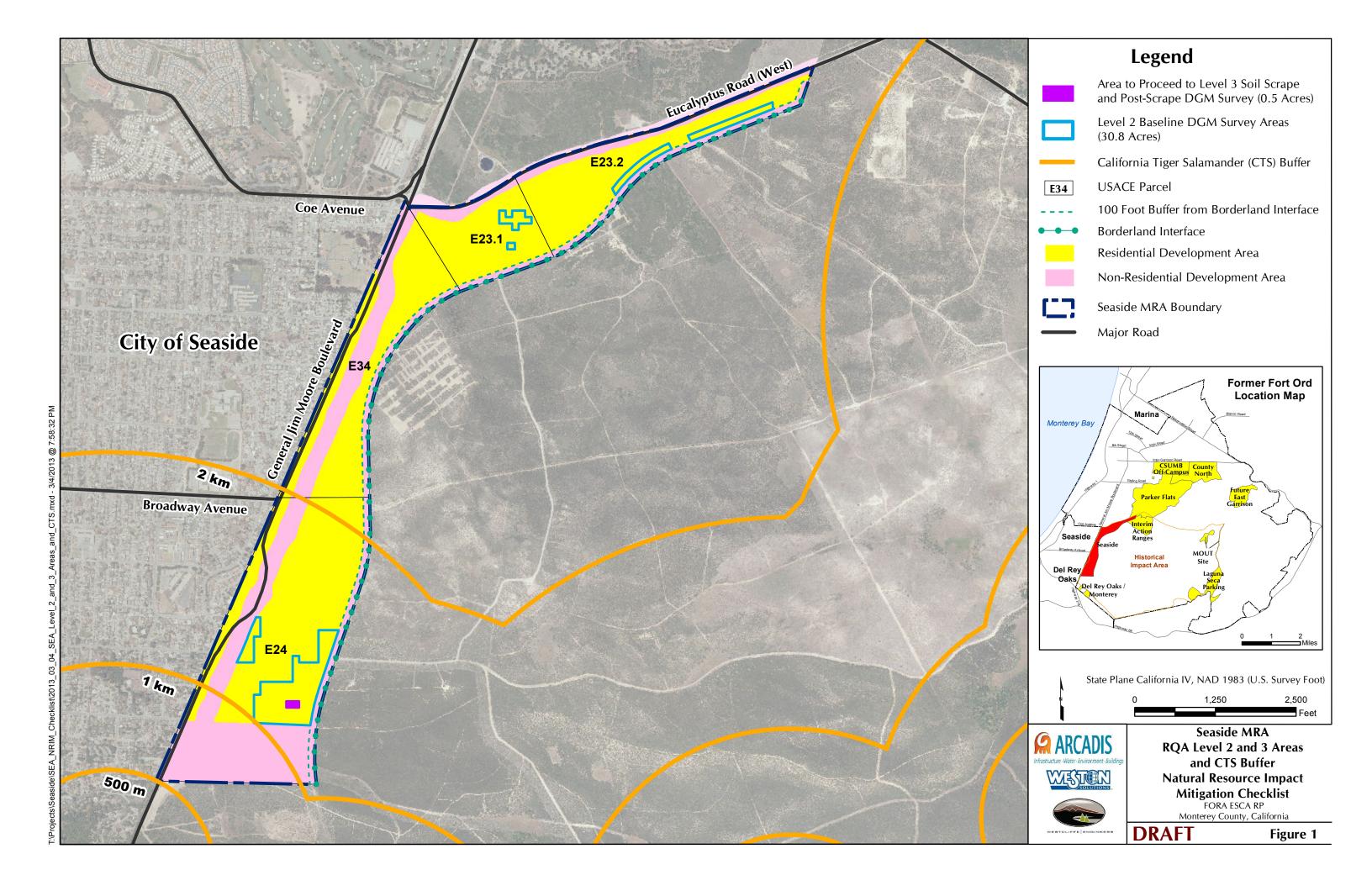
The Level 2 Baseline DGM Survey and Level 3 Soil Scrape and Post Scrape DGM survey activities are within a proposed residential parcel with no restrictions under the HMP; and as such, natural resources are considered lost. Although there are no restrictions on vegetation removal for the Seaside MRA RQA areas overall impacts to the site will be minimized to the extent possible. Small pockets of habitat may be preserved in and around development (see section 4 of HMP).

IMPACT MITIGATION CHECKLIST No. 2, Rev. 01
Seaside MRA RQA Level 2 Baseline DGM Survey
Seaside MRA RQA Level 3 Soil Scrape and Post Scrape DGM Survey

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### **Attachments:**

Figure 1. Seaside MRA RQA Level 2 and Level 3 Areas and CTS Buffer; Natural Resource Impact Mitigation Checklist



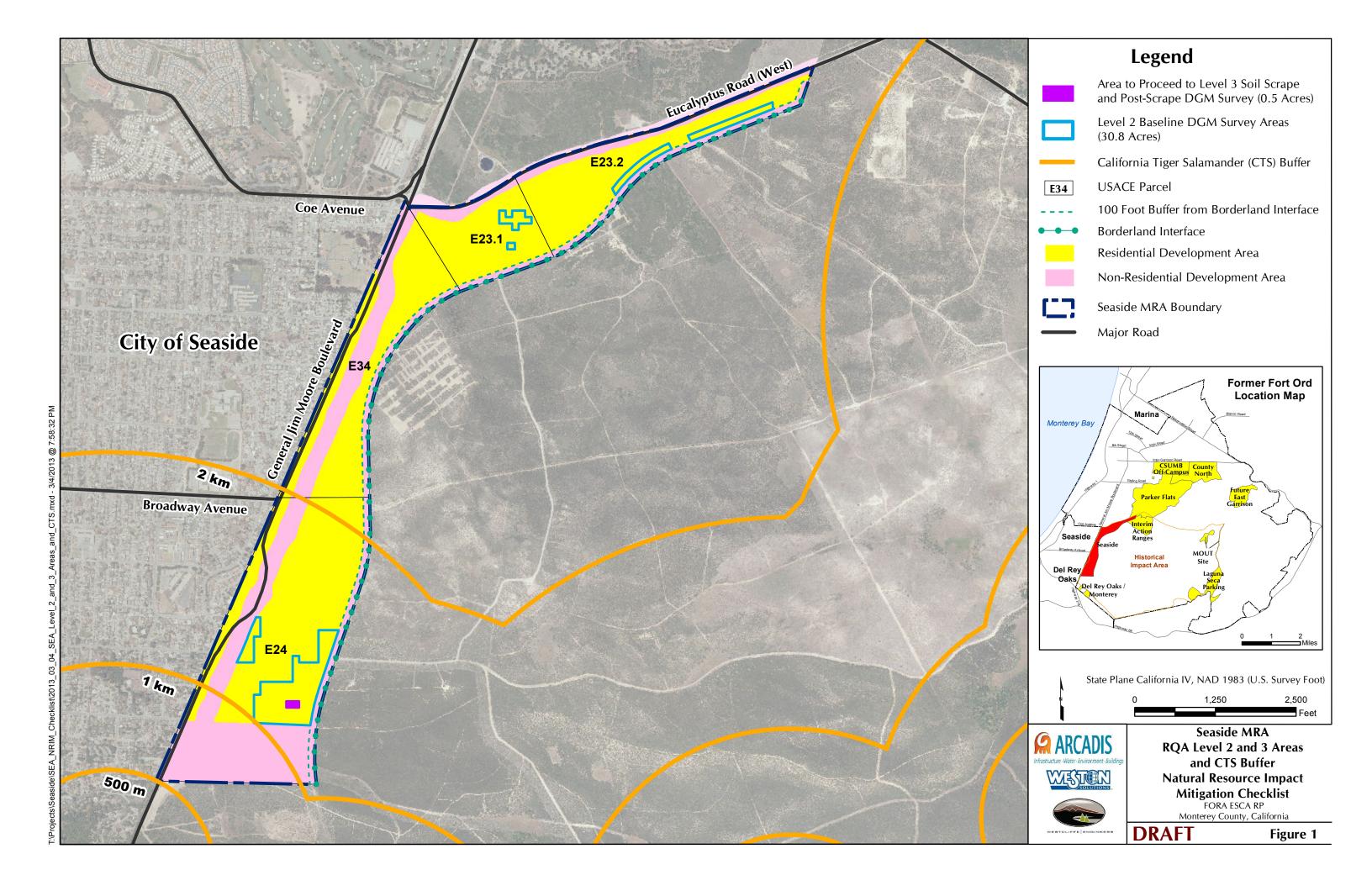
# QUALIFIED BIOLOGIST NRIM CHECKLIST FIELD INSPECTION REPORT – FORA/ESCA

Munitions Response Area	easide	Date <u>March 19, 2013</u> Page 1 of 9
Site Visited in MRA	idential Qual	lity Assurance (RQA) Level 3
		2013 0319 SEA ROALZ, map: 2013 0319 DY
Qualified Biologist(s)	ic lle Muir and	Cynthia Fenter Escort/Other Mark Majors, Wes
Weather/Site Conditions OV	ercust 265;	<i>p</i> =
Tasks to be Completed Z	spect ROA	Level 3 work area where Waston
	•	
Other Work Being Conducted Or	usite Weston	Solutions crew removing soil.
Office Work Being Conducted Of	iolic	is privated sensitiving soil.
Work-Force Onsite (Company N	ame) <i>Weston</i>	Solutions.
1) General Impact	a. Ingress/Egress	CHECKLIST  Yes □ No
Minimization	procedures	P res   No
Measures		
		Followed up with:
	b. Soil disturbance minimized to work	☑Yes ☐ No
	areas only, per	
	supervisor	
		Followed up with:
	c. Vehicles staying on existing roads to extent possible	Yes No
		Followed up with:
	d. Erosion absent from Borderland Interface areas	✓ Yes ☐ No
	u cus	Followed up with:
2) Habitat Checklist	a. Compliance w/ any	Yes No Work conducted during
	add'l measures req'd?	Yes No Work conducted during daylight hours. Travel restricted to approved roads. Followed up with:

Impact Minimization Measures    b. 1-km buffer staked   Yes   Yeo   The RQA level 3 work and is outside the 1 km buffer. The end is outside the 1 km buffer.   Followed up with:   Yes   Yeo   The RQA level 3 work and is outside the 1 km buffer.	nse Area	side	Date <u>March 19, 2013</u> Page <u>2</u> of <u>4</u>
is outside the 1km butter.  Followed up with:    Soutside the 1km butter.	zation	. 2-km buffer staked	Yes No The entire RQA Level 3 work area is within the ZKm buffer. The Crew was given the CTS refresher training oct. 2013 Followed up with:
3) CTS Related Impact Minimization Measures (cont'd)    Activities     Activities	b	). 1-km buffer staked	I Yes INO THE RUA level 3 work area is outside the 1km buffer.
Impact Minimization Measures (cont'd)    Acceptation silt   Yes   No NA executations are fences on than 12 inches and are stopped so CTS would not become trapped.   Followed up with:    ACTIVITIES			
Measures (cont'd)    Followed up with:   d. Excavation silt   Yes   No NA excavations are fences ok   Than 12 inches and are stapped. So CTS would not become trapped. Followed up with:    TIME   ACTIVITIES	s	_	area is outside the soom buffer
d. Excavation silt  fences ok  Than 12 inches and are steped so  CTS would not become trapped.  Followed up with:  ACTIVITIES  TIME  ACTIVITIES  TIME  ACTIVITIES  TIME  ACTIVITIES  THE ROA Level 3 Sail excavation, wo  is being conducted by Western Solutions. The  Western Solutions Crew is on site. The equip  on site to conduct The work includes a  en site to condu			Followed up with:
TIME  ACTIVITIES  ACTIVITIES  TIME  ACTIVITIES  TIME  ACTIVITIES  TIME  ACTIVITIES  TIME  ACTIVITIES  THE RAH Level 3 Sail excertance we where the RAH Level 3 Sail excertance we is being conducted by western Solutions. The Western Solutions The Western Solutions The work includes a en site to conduct the work includes a except to being excerted down approximately is being excerted down approximately in the end.  Sinches and then placed on the exist dir froad, known as the blue line road.  The RAH level 3 work area was surveyed much 4,2013, prior to work commencing. The was observed to be previously disturbed a was observed to be previously disturbed a server was surveyed as a serveryed was observed to be previously disturbed a servery d	d		Yes No NA excavations are less
D. Muir and C. Feater arrived in Seasible where the RRA level 3 sail excavations we is being conducted by Western Solutions. The Western Solutions crew is on site. The equip en site to conduct the work includes a excavator, a front end leader, and a back. Soid is being excavated down approx Einches and then placed on the exist dir froad, known as the blue line road. The RRA level 3 work area was surveyed March 4,2013, prior to work commencing. The was observed to be previously disturbed a	.   f	ences ok	than 12 inches and are sloped so that CTS would not become trapped. Followed up with:
where the RRA level 3 Soil excavation, wo is being conducted by western Salutions. The Wiston Salutions Crew is on site. The equipon site to conduct the work includes a excavator, a front end leader, and a back. Soil is being excavated down approximately as the placed on the exist dirt road, known as the blue line road.  The RRA level 3 work area was surveyed march 4,2013, prior to work commencing. The was absenced to be previously disturbed a	n m		
Weston Selutions crew is on site. The equipon on site to conduct the work includes a excavate to the state of a back. Soil is being excavate to down approximately down approximately and then placed on the exist dirt road, known as the blue line road.  The RAA level 3 work area was surveyed march 4,2013, prior to work commencing. The was absenced to be previously disturbed a	where	The ROA	level 3 sail excevation work
Soid is being executated down approximately down approximately down approximately down approximately down approximately directly and then placed on the exist directly the following the proviously disturbed a was absenced to be previously disturbed a	Westo	n Selutions	crew is on site. The equipmen
Sinches and then placed on the suis dir froad, known as the blue line road.  The RRA level 3 work area was surveyed much 4,2013, prior to work commencing. The was observed to be previously disturbed a			
dir f road, known as the blue line road.  The RAA level 3 work area was surveyed  March 4,2013, prior to work commencing. The  was observed to be previously disturbed a	_	,	
dir f road, known as the blue line road.  The RAA level 3 work area was surveyed  March 4,2013, prior to work commencing. The  was observed to be previously disturbed a	8/nch	es and	Then placed on the wisting
The RUA level 3 work area was surveyed March 4,2013, prior to work commencing. The was observed to be previously disturbed a			
was observed to be previously disturbed a			•
	Marc	h 4,2013, pr	jor to work commencing. The area
	vas	observed	to be previously disturbed and
			Hy weedy species Species include
ice plant, Hetero theca grandiflora p Acmis pon g			

Munitions Response	e Area <u>Seaside</u> Date <u>March 19, 2013</u> Page <u>3</u> of <u>9</u>
TIME	ACTIVITIES
	A small section of the work area to the
	was was composed of less disturbed Marifim
	Chaparral and included: A. pumila, Salvia
	mellifera, Barcharis pilularis, E. evicaides
	A. tomentose and Acmispon glaber.
	The excavated work area was approximately
	Sinches in depth and slaped So that
	CTS could not become trapped.
0800	D. Muir and C. Fenter departed the
	vort area.
	· · · · · · · · · · · · · · · · · · ·

March 19, 2013 Page 4 of 4
Danielle Mr.



# QUALIFIED BIOLOGIST NRIM CHECKLIST FIELD INSPECTION REPORT – FORA/ESCA

Munitions Response Area _ Fa	uture East Garri	Son Date July 11, 2013 Page 1 of
Site Visited in MRA	cut area-gri	d cells: C4E5 IB, C4E6 J1, C4E652, C41
Other Documentation (i.e., maps	, photos, etc.): Photo s	1-4, Map 2013 04 11 Map 4
Qualified Biologist(s)	lle Muir, Mitch	Siemens Escort/Other N/A
Weather/Site Conditions 0 Ve	er cast, ~70	· F
Tasks to be Completed	aspection of br	ush cutting completed on June 30, 2013
Other Work Being Conducted Or	nsite <u>N/A (Bru</u>	sh cutting completed on June 30, 2013)
Work-Force Onsite (Company N	ame) <b>\//A</b>	
		CHECKLIST
1) General Impact     Minimization     Measures	a. Ingress/Egress procedures	Yes □ No Minimal disturbance - one path in and out of the work area.
		Followed up with: N/A
	b. Soil disturbance minimized to work areas only, per supervisor	¥ Yes □ No
	Super visor	Followed up with:
	c. Vehicles staying on existing roads to extent possible	Yes No
		Followed up with:
	d. Erosion absent from Borderland Interface areas	Yes \( \text{No} \text{ No erosion issues observed}
		Followed up with:
2) Habitat Checklist	a. Compliance w/ any add'l measures req'd?	Yes No Oak trees > 6"DBH retained during brush cutting. Approximately 10 Toro manzanitas retained during brush Followed up with: MAR.
		Followed up with: MA

Munitio	ns Response Area	uture East Garr	cison Date July 11,2013 Page 2 of 4								
	3) CTS Related Impact Minimization	a. 2-km buffer staked	Yes No Entire area within 2km buffer.								
	Measures		Followed up with:								
		b. 1-km buffer staked	Yes No Entire area within Ikm buffer.  Followed up with:								
	3) CTS Related	c. 500 meter buffer	Yes No Entire area with in								
	Impact	staked	Yes No Entire area with in  500m buffer								
	Minimization		500m buffer								
	Measures (cont'd)		Followed up with:								
		d. Excavation silt fences ok	Yes No N/k - No Excavation								
			Followed up with:								
	TIME		ACTIVITIES								
	0:05 D.	Muir and P	Mitch Siemens artive in FEG								
		the location	where brush cutting has occurred.								
			an executator with a grinding								
			The arm to coinduct the								
	bru	sh catting.	The tracks left from The								
	exe	avator wer	re observed to be minimal								
	dist	turbance for	ingress and egress with one								
			t of the cite.								
_10	:15 au	oak trees 1	with a diameter at breast trieght								
		p of six inc	ches or greater were left uncut								
	and	for lower bro	unches were trimmed up to prevent								
			al torro manzanitas (Arctastaphylos								
	moi	rtery ensis)	Were left uncut. Approximately								
	ten	torro Manza	intas were observed to be left								

Munitions Response	Area Future East Garrison Date July 11, 2013 Page 3 of 4
· TIME	ACTIVITIES
	un cut within the four grid cells: C4F6AI,
	CYESJØ, CYEGJI, CYEGJZ. See photos 1-3.
	all brush that was ground up with the
	attachment on the excavater was left in
	·
	place and would server as a mulch to
	help prevent exosion of the area.
_11.15	D. Muir and M. Siemens departed Musite.

Munitions Response Area	Future	East Garrison	Date _	July 11, 2013	Page $\underline{\mathcal{Y}}$ of $\underline{\mathcal{Y}}$
Route Copies To:			SIGNE	D Danielle	Mui
Reviewed			_		
	(Senior QB)				

10 C4F5H1	C4F5H2	С4-5Н3	C4F5H4	C4F5H5	C4F5H6	C4F5H /	C41-5H8		(C4F5H0	C4F6h1	(24,1-61-12 14,1-61-12	C4 = 6 = 13		C4F6H5	6-453-15 	(6:21m6/m)/	Q45018
30 C4F5G1	C4F5G2	C4F5G3	C4F5G4	C4F5G5	C4F5G6	C4F5G7	C4F5G8	C4F5G9	C4F5G0	C4F6G1	C4F6G2	C4F6G3	CAFEC4	C4F6G5	C4F6G6	C4F6G7	C4F6G8
70 C4F5F1	C4F5F2	C4F5F3	©4F5F4	C4F5F5	C4F5F6	C4F5F7	C4F5F8	C4F5F9	C4F5F0	C4F6F1	C4F6F2	C4F6F3	04F6F4	C4F6F5	C4F6F6	<b>C</b> ): 1	02F6F8 (
0 04F5E1	C4F5E2	C4F5E3	C4F5E4	C4F5E5	C4F5E6	C4F5E7	C4F5E8	64F5E9	C4F5E0	CAF6E1	C4F6E2	C4F6E3	C/156E4	C4F6E5	<b>456</b> °	C4F6E7	(04F6⊞8 (
)0 C4F5D1	CAF5D2	C4F5D3	C4F5D4	C4F5D5	C4F5D6	C4F5D7	C4F5D8	@4F5D9	C4F5D0	C4F6D1	C4F6D2	64Fabe	C4F6D4	e4F6D5	C4F6D6	CHEDY	CAFRIDS (
0 C4F5C 1	C41=5C2	₩ 6 <sup>21</sup> (55043	04F5C4	C4F5C5	C4F5C6	C4F5C7	C4F5C8	C4F5C9	C4F5C0	C4F6C1	C4F6C2	OAF608	C4F6C4	C4F6C5	<b>C</b> 2 <b>C</b> 4F6 <b>C</b> 6	04F807	C4F6C8 (
30 C4F5B1	C4F5B2	C4F5B3	C4F5B4	C4F5B5	C4F5B6	C4F5B7	C4F5B8	C4F5B9	C4F5B0	C4F6B1	O/AFIGE 2	<b>ंशनतह</b> र	35 MRB/	CALEBRE	C4F6B6	<b>C456E</b> /	C456B8
\0 C4F5A1	©4F5A2	C4F5A3	C4F5A4	C4F5A5	C4F5A6	C4F5A7	C4F5A8	C4F5A9	C4F5A0	I <b>C</b> ATEA	C4F6A2	045642	0.4F6/AZ	OA FOX	104F6A6	04F6/47	C4F8A8
	C4E5J2	Land			HALVE!		Version .	rate.							C4E6J6		
io C4E5I1	C4E512	C4E5I3	C4E5I4	C4E5I5	C4E5I6	C4E517	C4E518	64E5I9	C4E510	C4E6I1	C4E6I2	C4E613	OAEA4	©4 <b>=61</b> 5	C4E66	C413:17	C4E618
10 C4E5H1	G4E5H2	3450 140 C4551 8	Republication Re	S=4 C4E5H5	2 	C4E5H7	C4E5H8	@4E5#8	60 2/E5/10	C4E6H1	04E6H2	С4Ебна	CAEGHE		C4E6H6	G4E6H7	<b>64</b> E648 (
30 C4E5G1	64E5G2	645566	C4E5G4	C4E5G5	C4E5G6	CAESG	C4E5GE	04E5(e5	C4E5G(	oviese,	C4E6G2	OAESSE	CAEGE!	04E66	CAEGGG	oa <del>aaa</del>	C4E6G8 (
F0 C4E5F1	C4E5F2	C4E5F3	C4E5F4	C4E5F5	C4 E5 F 6	04E5F7	C4E5F8	C4E5F9	04E5F0	CAEGE1	04E6F2	C4±aFa	MERF			CAEGE?	C4E678
0 C4E5E1								32	* 048380	, 1144	8   04E8E2		045354	i Caesea	4.1 64E6E6		C4E6E8



1. FEG pre-brush cut June 27, 2013



2. FEG pre-brush cut June 27, 2013



3. FEG pre-brush cut June 27, 2013



4. FEG post brush cutting July 11, 2013



5. FEG post brush cutting July 11, 2013