6.0 Conclusions

Tables 6-1 through 6-9 provide a summary of the Overall MEC Risk results for the baseline and after-action analysis of the Parker Flats MRA. The worst-case risk score is highlighted and bold for each receptor.

The Monterey County Public Facilities, CSUMB Expansion Area, and the MRS-13B Habitat Reserve had no MEC items found during the survey and removal activities. These areas would be considered low risk using the Protocol because the density and depth input factors would be negligible. Overall risk scores were not applied to these areas because no data was available to support the presence of MEC in the areas.

The Army Maintenance Center was not surveyed during the MEC survey and removal for MRS-13B. The site was paved in the 1970s and has been developed since that time. The Protocol was not applied to this site because there is no data to support MEC presence. The Army Maintenance Center is expected to have a low risk if no intrusive activities occur and an increased risk if intrusive activities are conducted.

In general, the Overall MEC Risk decreases between the baseline and the after-action scenarios. The exception is the Overall MEC Risk for the receptors intruding below one foot, which typically does not change between the baseline and after-action scenarios unless the only items found were in burial pits. The uncertainty in the data set available to determine a Pd for depths greater than one foot is discussed in Section 5. The removal action was designed to address MEC at a depth of four feet below the ground surface; however, however, the USACE UXO safety specialist was consulted with on a case-by-case basis for approval to investigate all anomalies at depths greater than four feet. Therefore, it is possible that the Pd for removal at depths greater than four feet bgs are better than the ones calculated for this risk assessment. Where items were only found in burial pits, these items are not used in calculating the potential residual density, as discussed in Section 2.4.1, and the after action analysis shows a change from the baseline analysis (e.g., construction worker and outdoor maintenance worker in the MST Park and Ride, and the MST Maintenance Center). Because over 14,000 MEC and MD items were removed from the Parker Flats MRA, the potential for someone to come into contact with a MEC item and disturb the item such that it functions is much lower in the after-action scenario. If items do remain at Parker Flats, it is likely that they are below the ground surface. Therefore, as seen in Tables 6-1 through 6-9, the risk for receptors performing intrusive activities (e.g., construction worker) remains high. Those receptors with deeper intrusion depths will be exposed to fewer items in the upper portion of the soil column in the after action scenario, which should reduce the risk to the receptors. However, the Overall MEC Risk letter score does reflect this change in risk between the two scenarios. The uncertainties

associated with the Overall MEC Risk scores more likely result in an overestimate of the actual risk as described in Section 5.3.

Table 6-1. MPC EVOC Summary Results

Receptor	Baseline Analysis			After-Action Analysis		
	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3
MPC EVOC Trespasser	D	**E**	E	**A**	A	A
Construction Worker	D	E	**E**	D	E	**E**
Outdoor Maintenance Worker	D	E	**E**	D	E	**E**
MPC EVOC Recreational User	D	**E**	E	A	**A**	A
Indoor Worker	**D**	C	C	A	**A**	A
Student/Faculty	**D**	C	C	**A**	A	A

Overall MEC Risk Scoring: A = Lowest Risk; B = Low Risk; C= Medium Risk; D = High Risk; E = Highest Risk

Table 6-2. Parker Flats MRA Horse Park Summary Results

Receptor	Baseline Analysis			After-Action Analysis		
	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3
Horse Park Trespasser	D	E	**E**	A	A	**B**
Construction Worker	D	E	**E**	D	E	**E**
Outdoor Maintenance Worker	D	E	**E**	D	E	**E**
RV Camper	D	**D**	D	A	**A**	A
Recreational Horseback Rider	D	E	**E**	A	A	**B**

Overall MEC Risk Scoring: A = Lowest Risk; B = Low Risk; C= Medium Risk; D = High Risk; E = Highest Risk

Table 6-3. MRS-13B Horse Park Summary Results

Receptor	Baseline Analysis			After-Action Analysis		
	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3
Horse Park Trespasser	D	E	**E**	A	A	**A**
Construction Worker	D	E	**E**	D	**E**	A
Outdoor Maintenance Worker	D	E	**E**	D	**E**	A
RV Camper	D	D	**D**	A	**A**	A
Recreational Horseback Rider	D	E	**E**	A	A	**A**

Overall MEC Risk Scoring: A = Lowest Risk; B = Low Risk; C= Medium Risk; D = High Risk; E = Highest Risk

Table 6-4. Parker Flats MRA Habitat Reserve Summary Results

Receptor	Baseline Analysis			After-Action Analysis		
	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3
Habitat Reserve Trespasser	D	E	**E**	A	A	**A**
Construction Worker	D	E	**E**	D	E	**E**
Habitat Reserve Recreational User	D	**E**	D	A	A	**A**
Habitat Monitor	D	**E**	E	A	A	**A**
Habitat Worker	D	E	**E**	D	E	**E**

Overall MEC Risk Scoring: A = Lowest Risk; B = Low Risk; C= Medium Risk; D = High Risk; E = Highest Risk

Table 6-5. Veterans Cemetery Summary Results

Receptor	Baseline Analysis			After-Action Analysis		
	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3
Veterans Cemetery Trespasser	D	E	**E**	**A**	A	A
Construction Worker	D	E	**E**	D	E	**E**
Outdoor Maintenance Worker	D	E	**E**	D	E	**E**
Cemetery Recreational User	D	E	**E**	A	**A**	A
Cemetery Worker	D	E	**E**	D	E	**E**
Cemetery Visitor	**C**	C	C	**A**	A	A

Overall MEC Risk Scoring: A = Lowest Risk; B = Low Risk; C= Medium Risk; D = High Risk; E = Highest Risk

Table 6-6. Parker Flats MRA Development Reserve Summary Results

Receptor	Baseline Analysis			After-Action Analysis		
	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3
Development Reserve Trespasser	D	D	**E**	A	A	**A**
Construction Worker	D	E	**E**	D	E	**E**
Outdoor Maintenance Worker	D	E	**E**	D	E	**E**
Development Reserve Recreational User	D	C	**E**	A	A	**A**
Indoor Worker	B	C	**C**	A	A	**A**
Adult/Child Resident	D	C	**E**	D	C	**D**

Overall MEC Risk Scoring: A = Lowest Risk; B = Low Risk; C= Medium Risk; D = High Risk; E = Highest Risk

*NA – Not Applicable, no MEC Hazard Type 3 items were found in the Parker Flats MRA Development Reserve.

Table 6-7. MRS-13B Development Reserve Summary Results

Receptor	Baseline Analysis			After-Action Analysis		
	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3
Development Reserve Trespasser	**D**	NA*	NA*	**A**	NA*	NA*
Construction Worker	**D**	NA*	NA*	**D**	NA*	NA*
Outdoor Maintenance Worker	**D**	NA*	NA*	**D**	NA*	NA*
Development Reserve Recreational User	**D**	NA*	NA*	**A**	NA*	NA*
Indoor Worker	**B**	NA*	NA*	**A**	NA*	NA*
Adult/Child Resident	**D**	NA*	NA*	**D**	NA*	NA*

Overall MEC Risk Scoring: A = Lowest Risk; B = Low Risk; C= Medium Risk; D = High Risk; E = Highest Risk

*NA – Not Applicable, no MEC Hazard Type 2 or 3 items were found in the MRS 13 B Development Reserve.

Table 6-8. MST Park and Ride Summary Results

Receptor	Baseline Analysis			After-Action Analysis		
	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3
MST Park and Ride Trespasser	D	E	**E**	A	A	**A**
Construction Worker	D	E	**E**	D	**E**	C
MST Park and Ride Recreational User	D	C	**D**	A	A	**A**
Indoor Worker	D	C	**C**	A	A	**A**
Public Facility Visitor	D	C	**C**	A	A	**A**

Overall MEC Risk Scoring: A = Lowest Risk; B = Low Risk; C= Medium Risk; D = High Risk; E = Highest Risk

Table 6-9. MST Maintenance Center Summary Results

Receptor	Baseline Analysis			After-Action Analysis		
	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3	MEC Hazard Type 1	MEC Hazard Type 2	MEC Hazard Type 3
MST Maintenance Center Trespasser	**D**	NA*	NA*	**A**	NA*	NA*
Construction Worker	**D**	NA*	NA*	**B**	NA*	NA*
MST Maintenance Center Recreational User	**C**	NA*	NA*	**A**	NA*	NA*
Indoor Worker	**B**	NA*	NA*	**A**	NA*	NA*

Overall MEC Risk Scoring: A = Lowest Risk; B = Low Risk; C= Medium Risk; D = High Risk; E = Highest Risk

*NA – Not Applicable, no MEC Hazard Type 2 or 3 items were found in the MST Maintenance Center.