

# CAMP BONNEVILLE MILITARY RESERVATION MONTHLY REPORT 52

**Monthly Report for October 2015**  
**Submitted by Jerry Barnett, Project Manager**  
**Clark County Department of Public Works**

This report summarizes the progress achieved and issues addressed by Clark County at the former Camp Bonneville Military Reservation (CBMR) in Vancouver, Clark County, Washington. This progress report complies with the reporting requirements of the Environmental Services Cooperative Agreement (ESCA) Attachment E.1, Section 3.

## **1. Work Performed During Current Reporting Period**

Work performed during this reporting period in the Central Valley Floor and Associated Wetlands (CVFAW) included analog subsurface clearance to a depth of 14 inches bgs, weekly explosives inventory, Quality Control (QC) and the Monthly Status Review (MSR) held on October 21<sup>st</sup>. As of this reporting period, Weston has completed approximately 69.4% of the CVFAW.

### **1.1. 2006 ESCA - Agreement No. W9128F-06-2-0160**

The following Contract Line Item Numbers (CLINs) are not included in this report:

- CLINs 0001 through 0008 for work completed.
- CLIN 0013 for Long Term Obligations.
- CLIN 0014 for Washington Department of Ecology Oversight.

#### **1.1.1. CLIN 0009 – Environmental Services – Soil Stockpile**

Due to multiple wind storms, soil piles are covered as soon as practical. Clark County discovered that there is a possibility of MEC contamination and verified through MKM daily reports. Clark County is currently working on an estimate to provide construction support, stabilize soil and haul to a landfill. This estimate will likely exceed the \$118,149 funding in the ESCA.

#### **1.1.2. CLIN 0010 – Ground Water Monitoring – 2011 through 2016**

Groundwater sampling for the 3<sup>rd</sup> quarter occurred during this reporting period.

#### **1.1.3. CLIN 0011 and 0012 – Clark County Oversight and Institutional Controls**

Clark County continued oversight of contractors, public involvement activities, regulatory correspondence and site maintenance.

##### **1.1.3.1. General Site and Structures Maintenance**

- Clark County Public Works (CCPW) continues to maintain institutional controls, including the fences and signs.
- Maintenance of culverts, drainage ditches and roads continued.
- Grass re-seeding and invasive plant species control activities continued as part of the County mitigation for previous brush clearance activities.

#### **1.1.4. CLIN 0015 – Environmental Services – RI/FS for Remedial Action Unit 2C**

No work performed to date.

### **1.2. 2011 ESCA - Agreement No. W912DY-11-2-0337**

#### **1.2.1. CLIN 0001 –Subsurface Clearance of Central Valley Floor and Associated Wetlands**

This CLIN was increased by \$7,123,831 in April 2014. See Table 1 for progress metrics.

- Task 1 Work Plan and Permitting - No changes during this reporting period.
- Task 2 Survey and GIS Mapping - No changes during this reporting period.
- Task 3 Site Facilities - No changes during this reporting period.
- Task 4 Vegetation Cutting - Brush cutting was completed in 9.5 Payment Units during this reporting period.
- Task 5 DGM Survey and Reacquisition – DGM data collection was suspended indefinitely on January 9<sup>th</sup>, 2013.
- Task 6 Intrusive Response Analog - Analog to depth clearance (0-14") was completed in 48 full sub-grids and 17 partial sub-grids during this reporting period.
- Task 7 Road and Infrastructure Restoration - No work performed during this reporting period.
- Task 8 Project Quality Control - The Weston UXOQCS performed QC in 51 sub-grids and 18 partial sub-grids during this reporting period. Quality Assurance was performed on 14.2 Payment Units.
- Task 9 Disclosure and Meetings – Weston hosted a Monthly Status Report (MSR) Meeting on October 21<sup>st</sup>.

1.2.2. CLIN 0002 – 50 acre Pilot Study of Western Slopes  
The rough draft of the Work Plan has been completed and the 50 acres have been tentatively selected and submitted to Clark County for review.

1.2.3. CLIN 0003 – Step-outs  
No work performed to date.

1.3. Documentation  
None during this reporting period.

## **2. Interfaces with Other Stakeholders (Army, Ecology, WDNR, EPA, etc.)**

2.1. U.S. Army  
The Army and Clark County met numerous times during this reporting period regarding the work addressed in this report and to scope the next phase of work.

2.2. Washington State Department of Natural Resources (WDNR)  
No significant communications with WDNR occurred during this reporting period.

2.3. Washington State Department of Ecology (Ecology)  
Clark County meets with Ecology weekly.

2.4. United States Environmental Protection Agency (EPA)  
No significant communications with EPA occurred during this reporting period.

## **3. MEC Findings and Related Issues**

See Table 2.

3.1. Anomaly Selection Board

DGM data collection was suspended indefinitely on January 9<sup>th</sup>, 2013. Anomaly Selection Board will no longer convene.

**4. Public Involvement Activities**

4.1. Citizens Advisory Group

The county has dissolved the CAG due to the length of clean-up and lack of interest. When the Reuse Plan can be discussed meaningfully, the CAG will be put back in effect.

4.2. Other Federal, State, County, or Local Government Contacts

None during this reporting period.

4.3. Newsletters or Other Mailings (if any)

None during this reporting period.

**5. Exceptions to Planned Activities for the Current Period as Previously Reported**

None during this reporting period.

**6. Status of any Pending Changes to the PPCD or the Other Controlling Documents**

None during this reporting period.

**7. Planned Activities for the Next Reporting Period**

7.1. MEC-related activities

- Weston will conduct demolition activities on an as needed basis. Munitions debris will be inspected daily and secured for proper disposal at an approved location.
- Weston will continue analog clearance to 14 inches bgs and associated QC activities using Minelab F3 all-metals detectors.

7.2. HTW-related activities

None scheduled during the upcoming reporting period.

7.3. Groundwater-related activities

None scheduled during the upcoming reporting period.

7.4. Other activities

- Continuation of road, fence, culvert and drainage channel maintenance.
- Additional reseeding and invasive plant species control activities.

7.5. Document submittals

None scheduled during the upcoming reporting period.

7.6. Upcoming PPCD deliverables

Public Participation Plan awaiting Ecology comments.

7.7. Upcoming ESCA notifications

None scheduled during the upcoming reporting period.

7.8. Public Participation

None scheduled during the upcoming reporting period.

## **8. Problems Encountered and Corrective Actions Planned or Implemented**

- 8.1. Scope changes (if any)  
None during this reporting period.
- 8.2. Weather issues  
None during this reporting period.
- 8.3. Productivity issues (labor, equipment, access, etc.)  
Grid investigation production was 0.56 sub-grids per day per team. Sub-grids averaged 1,582 anomalies (6,889 per acre).
- 8.4. Other problems or issues encountered (if any)  
None during this reporting period.

## **9. Project Accounting**

- 9.1. Funding Status  
See Table 3. Amounts may not agree between Table 1 and Table 3 due to delays in funding disbursements.
- 9.2. Budget Modifications (if any)  
None during this reporting period.
- 9.3. Projected Cost Overruns (if applicable)  
With the additional funding provided for the CVF clearance, no overruns are projected.

## **10. Schedule Status**

- 10.1. Progress Measures from Milestone Schedule
- Work Plan Approved.
  - Mobilization completed.
  - 271.05 of 390.8 payment units complete (69.4%). See Figure 1.
- 10.2. Schedule Deviations (if any)  
Schedule deviations are expected based on the number of teams working. There are currently 5 teams conducting analog to depth investigation in the CVF.

## **11. Progress Milestones**

- Work Plan Approved.
- Mobilization completed.
- 271.05 of 390.8 payment units complete (69.4%).

## **12. Log of Data Received by Type, Source, Date of Receipt, and Date of Submittal to WDOE**

None during this reporting period.

## **13. Permits**

- 13.1. Outstanding permit applications and their status (if any)  
None during this reporting period.
- 13.2. Permit or compliance issues (if any)  
None during this reporting period.

#### **14. Timber Management Activities**

Two organizations have certified Clark County's Forest Stewardship Plan for Camp Bonneville, recognizing Clark County's commitment to sound land management. The county received dual certification from the Forest Stewardship Council and the American Tree Farm System's Sustainable Forest Initiative.

There have been 1,132.56 CUNITS of Douglas Fir removed to date.

The Forest Stewardship Plan can be found at the following address:  
<http://www.clark.wa.gov/environment/index.asp>

Through timber revenues, Clark County has replaced 4 bridge decks and 4 roofs. A temporary timber bridge deck will be constructed in December 2015.



**TABLE 2 - OCTOBER 2015 MEC FINDINGS**

<b>Grid</b>	<b>Item</b>	<b>Date of Finding</b>	<b>Number of Items Found</b>	<b>Item Depth (in)</b>	<b>Classification</b>
F-10-23	Grenade, Hand, MKII	10/28/2015	1	6	UXO
F-12-10	Fuze, Grenade, unknown	10/5/2015	1	4	MPPEH
F-12-10	Projectile, 3 inch "Stokes" MKII	10/5/2015	1	8	MPPEH
F-12-10	HC Smoke canister	10/5/2015	1	6	MPPEH
F-12-15	Signal, Ground Parachute, M19A1	10/1/2015	1	6	MPPEH
F-12-15	Flare, Surface Trip, M49	10/1/2015	1	6	MPPEH
F-12-15	Projectile, 3 inch "Stokes" MKII	10/1/2015	1	8	MPPEH
F-12-15	Artillery Simulator, M110	10/1/2015	1	6	MPPEH
G-10-21	Projectile, 22mm subcal	10/15/2015	1	8	MPPEH
G-10-22	Projectile, 14.5mm M183	10/13/2015	1	8	MPPEH
G-10-22	Projectile, 22mm subcal	10/13/2015	1	8	MPPEH
G-10-23	Rocket, 35mm M73 subcaliber	10/8/2015	2	6	MPPEH
G-11-13	Projectile, 3 inch "Stokes" MKII	10/26/2015	1	8	MPPEH
G-11-16	Projectile, 3 inch "Stokes" MKII	10/26/2015	1	14	MPPEH
G-11-18	Projectile, 14.5mm M183	10/28/2015	5	8	MPPEH
G-11-21	Projectile, 3 inch "Stokes" MKII	10/29/2015	1	14	MPPEH
G-11-21	Grenade, Rifle, M19A2	10/29/2015	1	10	MPPEH
G-11-3	Projectile, 14.5mm M183	10/19/2015	2	6	MPPEH
G-11-8	Projectile, 22mm subcal	10/20/2015	1	8	MPPEH
G-11-8	Projectile, 14.5mm M183	10/20/2015	3	8	MPPEH
O-20-18	Rocket, 2.36in M6	10/6/2015	1	6	UXO
P-20-22	Projectile, 3 inch "Stokes" MKII	10/21/2015	1	6	MPPEH
P-20-23	Projectile, 3 inch "Stokes" MKII	10/27/2015	2	8	MPPEH
P-21-3	Projectile, 3 inch "Stokes" MKII	10/29/2015	1	10	MPPEH

**TABLE 3 - ESCA ACCOUNTING FOR OCTOBER 2015 REPORTING PERIOD**

**Agreement No. W9128F-06-2-0160**

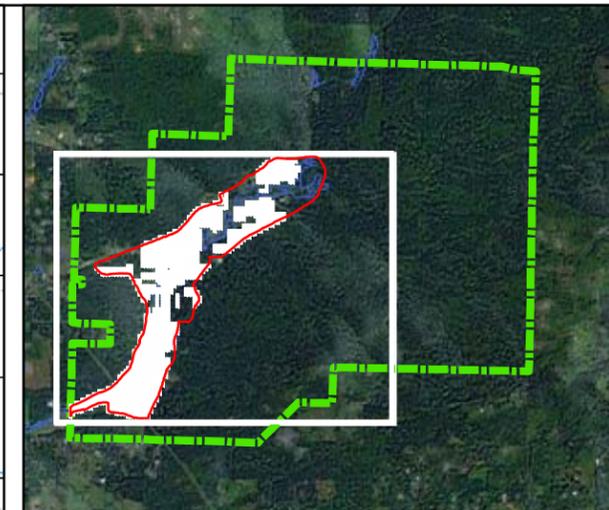
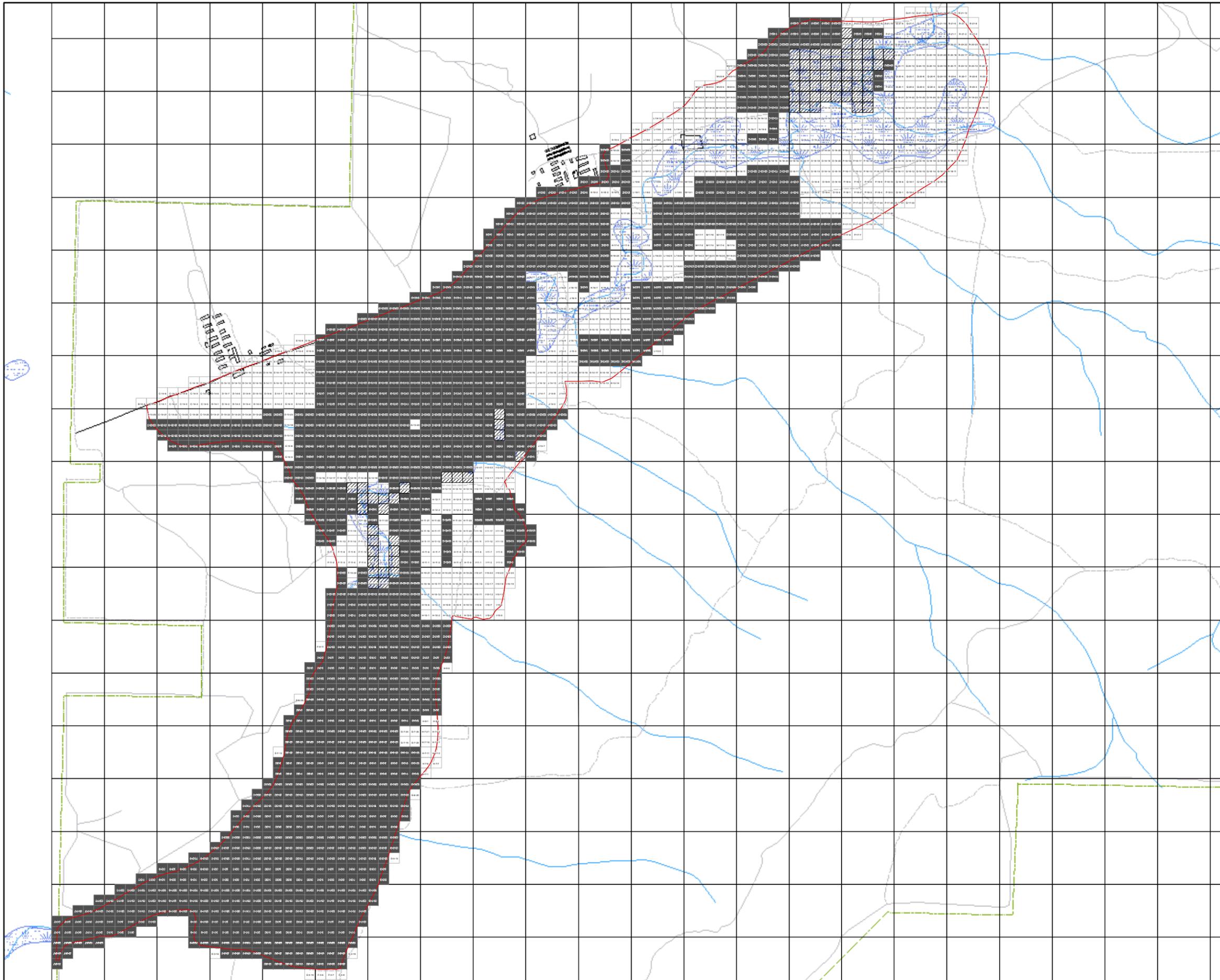
CLIN	Description	Max Obligation	Current Month	Previous Expenditures	ITD	Amount Remaining*
0001	Base Funding Period	21,659,211	-	21,659,211	21,659,211	-
0002	WDOE Oversight, WA St Regulators	634,086	-	634,086	634,086	-
0003	Administration of funds to WDOE	32,000	-	32,000	32,000	-
0004	WDOE Oversight	150,000	-	150,000	150,000	-
0005	Option 1 - Environmental Services	1,969,656	-	1,969,656	1,969,656	-
0006	WDOE Oversight	150,758	-	150,758	150,758	-
0007	WDOE Oversight	190,746	-	190,746	190,746	-
0008	Army Contingent Funding	4,014,160	-	4,014,160	4,014,160	-
0009	Environmental Services - Stockpile	118,149	-	-	-	118,149
0010	Environmental Services - Groundwater Monitoring	735,000	19,068	487,050	506,118	228,882
0011	Clark County Oversight and Institutional Controls	6,470,500	57,650	2,332,639	2,390,289	4,080,211
0012	Option 2 - Clark County Oversight Overtime	125,000	-	14,964	14,964	110,036
0013	Long Term Obligation	902,222	-	-	-	902,222
0014	WDOE Oversight	3,200,000	-	510,846	510,846	2,689,154
0015	Environmental Services - RAU 2C	200,000	-	-	-	200,000
<b>Total for Agreement No. W9128F-06-2-0160:</b>		<b>40,551,488</b>	<b>76,718</b>	<b>32,146,115</b>	<b>32,222,833</b>	<b>8,328,655</b>

\* - Amount Remaining for CLINs 0001 through 0008 are estimates.

**Agreement No. W912DY-11-2-0337**

CLIN	Description	Max Obligation	Current Month	Previous Expenditures	ITD	Amount Remaining
0001	Environmental Services - CFVAW	15,696,885	410,142	9,745,985	10,156,127	5,540,758
0002	Environmental Services - Pilot Study	905,000	-	-	-	905,000
0003	Option 1 - Step-Outs	75,000	-	-	-	75,000
<b>Total for Agreement No. W912DY-11-2-0337:</b>		<b>16,676,885</b>	<b>410,142</b>	<b>9,745,985</b>	<b>10,156,127</b>	<b>6,520,758</b>

**TOTALS: 57,228,373      486,859      41,892,101      42,378,960      14,849,413**



**Analog Investigation Status  
Invoiced Grids as of  
31 October 2015**

-  October 2015 Invoiced Grid
-  Invoiced Grid

14.2 payment units  
completed in October 2015

Percent complete: 69.36%

0 500 1,000 2,000 Feet

Former Camp Bonneville  
Vancouver, WA

**FIGURE 1  
CENTRAL VALLEY FLOOR  
AND ASSOCIATED WETLANDS  
ANALOG INVESTIGATION STATUS  
AS OF 31 OCTOBER 2015**

