

THE CY 2008

ANNUAL REPORT

FOR THE DIGITAL MULTI-PURPOSE RANGE COMPLEX
MITIGATION AND MONITORING PLAN

FORT BENNING, GEORGIA

PREPARED BY:
ENVIRONMENTAL MANAGEMENT DIVISION
DIRECTORATE OF PUBLIC WORKS
FORT BENNING, GEORGIA

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For the
DIGITAL MULTI-PURPOSE RANGE COMPLEX
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FORT BENNING, GA
March 2009

1.0 INTRODUCTION

The intent of this document is to provide the status of the environmental mitigation and monitoring for the Digital Multi-Purpose Range Complex (DMPRC) and is written in accordance with The Final Digital Multi-Purpose Range Complex Mitigation and Monitoring Plan (Fort Benning, 2005).

The Mitigation and Monitoring Plan was prepared as part of Fort Benning and the Army's compliance with the National Environmental Policy Act (NEPA), the Council on Environmental Quality regulations (40 CFR 1500), and Army Regulations 200-1 (AR 200-1). This plan was incorporated into the Record of Decision (ROD) for the DMPRC Environmental Impact Statement (EIS) (Final EIS for the DMPRC, 2004). As a part of the DMPRC EIS, the Mitigation and Monitoring Plan provides a detailed outline of the mitigation and monitoring required. (Fort Benning, 2007)

This Annual Report summarizes the progress of the required mitigation and monitoring, including any notable deficiencies and corrective action taken during the time frame from 1 January 2008 through 31 December 2008 and is inclusive of items since the previous Annual Report dated April 2008. The DMPRC site is still considered under construction although the majority of work has temporarily ceased on site until additional changes in design are approved and funded.

Mitigation on this project was partly achieved by the design efforts in avoiding environmental impacts. The planning and placement of the range components was done to avoid significant impacts from both the construction and operation of the range. Several design changes have occurred since the initial planning phases which have been covered in previous Annual Reports. (Fort Benning, 2007)

Army NEPA Regulation (32 CFR 651.5(g)) requires that the design changes be evaluated to determine if they constitute "substantial changes in the proposed action that are relevant to environmental concerns; or significant new circumstances or information relevant to environmental concerns and bearing on the proposed action or its impact." If so, then supplemental NEPA documentation would be

required. Mitigation monitoring can also lead to preparation of supplemental NEPA documentation and additional monitoring if changes in project activities occur (32 CFR 651 Appendix C(e)(5)). (Fort Benning, 2007)

During the early part of 2008, a Supplemental Environmental Assessment (SEA) was in the final stages, and a Finding of No Significant Impact (FNSI) was signed. In addition to the design modifications addressed in the SEA that will be summarized in this Annual Report, any alterations associated with environmental impacts, mitigation and monitoring will also be summarized.

Previous Annual Reports have covered the following list of items:

- Verbal Stop Work Order issued by Georgia Environmental Protection Division (GAEPD) during inspection of the site for work within the stream buffer at Bonham Creek without first obtaining the required Stream Buffer Variance -09 May 2006
- Expedited Enforcement Compliance Order and Stop Work Order (EECO) Issued by GAEPD In Response to Violations of the GA Erosion and Sediment Control Act- Dated May 30 2006- Variance was later Approved on 07 July 2006
- Numerous Letters of Self-Notification have been sent to GAEPD for reporting instances of Non Compliance with the National Pollution Discharge Elimination System (NPDES) Permit since the start of construction in February 2005
- Intrusion into an eligible Archeological site in May 2005

(Ranson, 2007)

2.0 SUMMARY OF ACTIVITY

2.1 *Design Changes*

A Supplemental Environmental Assessment (SEA) was prepared during the latter portion of 2007, and the NEPA process was completed for the document within the time frame of this Annual Report. The Final FNSI, as well as all other NEPA required documents associated with the DMPRC can be found at <https://www.benning.army.mil/EMD/program/legal/index.htm#1>.

The proposed action (Alternative II) that was chosen from the SEA included vegetation removal to achieve line of sight (LOS) for both armored vehicles using the range as well as the cameras used to monitor the range. The preferred alternative (Alternative III) included an additional 5 moving targets, 11 building facades, an instrumentation loading dock and associated utilities. This alternative was not chosen based on funding issues and the lack of information on Red Cockaded Woodpecker impacts. (Final SEA for the DMPRC, 2008)

Mitigation Measures addressed in the FNSI included:

- Soil
- Vegetation
- Surface Water Hydrology
- Stream Buffers
- Wetlands

A Record of Environmental Consideration (REC) was completed through Fort Benning's NEPA process on 27 October 2008 for the DMPRC Line of Sight Timber Harvest (reference EMD form 144R number 828802). This REC can be found in Appendix B and included the removal of all merchantable timber from the upland areas of the DMPRC necessary for line of sight. This REC does not include the removal of timber from the stream buffer and was considered to qualify for a NEPA Categorical Exclusion G-1 based criteria from Appendix B from 32 CFR 651.

Additional changes that were being planned during 2008 include a revision to the Erosion, Sedimentation and Pollution Control Plan (ESPCP). This revision is intended to address the major erosion problems in areas near D2B, as well as near Trail 5 and Trail 6. The construction contractor will be required to submit the revised ESPCP to Georgia Environmental Protection Division, as well as any fees for additional acreage to be disturbed and an updated Notice of Intent. The implementation of these design changes is scheduled to take place during the next year and will be covered more in depth in the 2009 Annual Report.

2.2 Permit Applications and Modifications

On 01 August 2008, all NPDES General Permits for storm water discharge on construction sites, issued by the GAEPD expired with a new version of the permit re-issued. This change in permitting regulations required a new Notice of Intent (NOI) to be filed within 60-days of the expiration of the original permit. The DMPRC was included in a group of Re-Issuance NOI forms that were submitted to the State via certified mail on 30 September 2008. The transmittal letter, as well as the NOI forms can be found in Appendix C.

A draft of an Application for a 25-foot Buffer Encroachment on Sally Branch, Bonham Creek, Pine Knot Creek & Upatoi Creek was issued for comments on 19 December 2008. The purpose of the variance request is to obtain approval to harvest trees within the vegetative buffer of State waters. The application process will continue into 2009 and will be covered in the 2009 Annual Report.

2.3 Construction Activities

During much of the time period covered by this report, construction activities were focused on maintaining the Best Management Practices (BMP's) related to erosion and sediment control. All work by the contractor ceased in November 2008 as a result of depleted funds. The Army Corps of Engineers (ACOE) expects to have funds available in March/April 2009 and will resume work at that time using the proposed design.

2.4 Clear Creek Mitigation Site

In order to compensate for stream and wetland impacts that have occurred during the construction of the DMPRC, the Clear Creek Mitigation Site was chosen as a stream and wetland restoration area. The Clear Creek Mitigation Site totals approximately 52 acres and is located on Pine Tree Road, approximately one mile south of 1st Division Road. The intent of this mitigation project was to fill in a 4 acre pond that has been created as a result of beaver dams, and to restore the original stream and riparian habitat in the area.

Previous Annual Reports have covered the processes associated with trapping beavers and dismantling beaver dams. The draining of the pond was not initially successful during these actions, and Fort Benning Environmental Management Division (EMD) obtained approval to fill the area and plant with trees, grasses and shrubs. This work was completed in December 2007.

In April of 2008, a Notice of Termination under the NPDES General Permit was submitted for the activities on this site and the construction office of the ACOE accepted the project on 20 August 2008. (McLeod, 2009) When the project was completed 103 wetland credits and 30,293.75 stream credits were received, approximately half of the total credits expected ultimately to be available. The next issuance is scheduled for January 2010, at which time another quarter of the credits is scheduled to be

issued based on the determination of ACOE Regulatory Office. (Hollon, 2009) The remaining credits will be issued pending the final assessment and successfulness of the Clear Creek project.

3.0 AFFECTED AREAS

3.1 Soils, Vegetation and Unique Ecological Areas

As part of the NPDES General Permit, an ESPCP was submitted and approved for this project. The ESPCP addresses issues in regards to erosion and sediment control. The NPDES permit is covered more in depth under the Water Quality section of this report. The DMPRC experienced erosion issues at various areas of the project site and these locations are addressed in the redesign that was planned during 2008 and being implemented in 2009. The correction of these issues will be covered more in depth in the future as the actions are scheduled to occur during the time frame covered by the 2009 Annual Report.

No timber harvesting occurred in the time frame covered by this report, although the SEA addresses the change in design in regards to harvesting. The original EIS included selective removal of trees based on height and impact on the line of sight. Mitigation for the altered timber harvest will include following the Timber Harvest Best Management Practices as outlined by the State of Georgia. This will be covered further in the 2009 Annual Report as the timber harvest is scheduled.

The construction contractor will be responsible for the removal of all non-saleable timber, vegetation and slash associated with the line of sight timber harvest. The practice of using slash for brush barriers as well as mulching and sending off site to be used for fuel has been discussed in previous Annual Reports, and should these methods be used for the LOS timber harvest, it will be included in the 2009 Annual Report.

The Pine Knot Creek Blackwaters Unique Ecological Area, an area that represents a Coastal Plain stream, was identified and described in the DMPRC EIS. A total of 109 acres of this Unique Ecological Area (UEA) is located in or impacted by this project. Mitigation outlined in the Mitigation and Monitoring Plan for the area refers to items under the Clean Water Act (CWA) and will be discussed further under the water quality. Additionally, the Line of Sight (LOS) Timber Harvest and the procedures for harvesting in the area are outlined. Potential impacts to this area include removal of over story trees, and possible injury or killing of some species by logging operations. This will be further addressed in future reports as the timber harvest is scheduled to occur in 2009.

3.2 Federally Protected Species

The Digital Multi-Purpose Range (DMPRC) Red-Cockaded Woodpecker (RCW) Home Range and Habitat Use-Monitoring Project is currently in Phase II (post harvest/construction of range). (Neufeldt, 2008) Monthly follows are conducted during the non-breeding season to monitor cluster activity, tree suitability, identify previously banded birds, capture unbanded birds to band, and to GPS the location of

the birds at 30 minute intervals. Additionally, timber stand data is collected to determine a relationship between conditions and habitat usage.

The Annual Impact of the DMPRC Timber Harvest and Construction on Red-cockaded Woodpecker (*Picoides borealis*) Home Range, Habitat Use and Breeding Season Group Demographics on Fort Benning, GA Progress Report has been included with this Annual Report as Appendix F and provides additional data and comparisons.

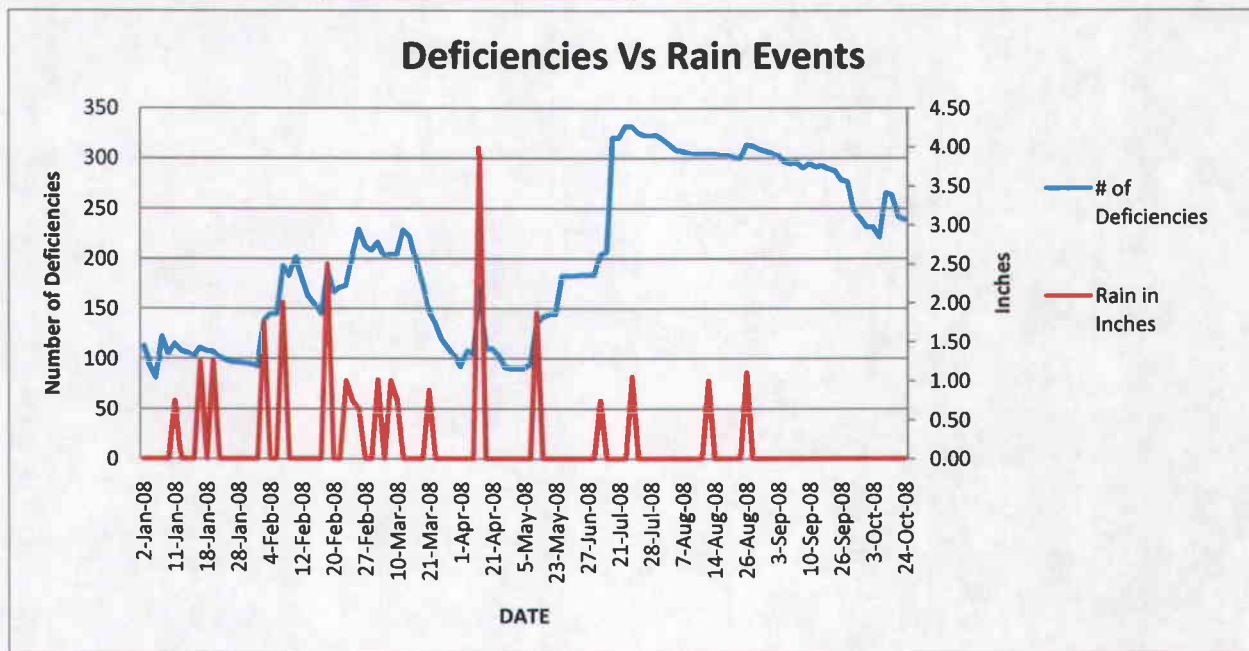
3.3 *Migratory Birds*

United States Fish and Wildlife Service (USFWS) expressed concern during the review of the SEA in regards to the timing of the LOS timber harvest and breeding season for migratory birds. An Errata Sheet that was issued 1 April 2008 addressed these concerns outlining coordination with USFWS to ensure proper conservation measures and to minimize adverse impact.

3.4 *Water Quality and Hazardous Material*

As part of the NPDES General Permit, Fort Benning is required to self report to the State on a monthly basis. The DMPRC had reportable BMP failures, sediment leaving the project site, and impacted waterways for each of the 12 months. The self notification correspondence can be found in Appendix D of this document. Structural and Vegetative deficiencies are being monitored in accordance with the NPDES General Permit, with a record of these deficiencies kept by Fort Benning's EMD. Figure 1 is a comparison of the number of deficiencies recorded and the rainfall amounts at the site. The majority of the work throughout the beginning of the year was focused on maintenance of erosion and sediment controls, road grading and target installations. Due to the lack of funding, work ceased during the latter part of the year and the number of deficiencies remained around 300.

Figure 1. Number of Deficiencies versus Rain Events .



Turbidity readings for state waters on the DMPRC were obtained from the Fort Benning's Watershed Management Group (Table 1). The readings were collected for each creek on two separate occasions. The turbidity readings on 22 December 2008 were within 7 days of a rain event and Nephelometric Turbidity Unit (NTU) values were much higher. Turbidity readings of less than 10 NTU's are considered low. The state requires that the difference between upstream and downstream points be within 25 NTU's. Please refer to Appendix E for the location of sampling points on each creek.

TABLE 1. TURBIDITY IN STATE WATERS ON THE DMPRC.

DATE	Bohham Creek	Sally Branch Creek
8 December 2008	1.5 NTU	NA
9 December 2008	NA	0.49 NTU
22 December 2008	2.67 NTU	1.09 NTU

Although some research has indicated direct relationships between NTU's and Total Suspended Solids (TSS) (Barnes, Freeman, & Meyer, 1996), this data can not be directly correlated to the data included in the 2006 Annual Report based on the difference in units. Additional research has been found that specific to erosion from construction sites that the relationship is variable. While it was determined that

research was needed at various levels to correlate between the two data units, NTU's continue to be an effective measurement of recent sediment inputs while other methods are more suitable for historic inputs. (Keys & Radcliff, 2002)

While the contractor was actively working, refueling of construction equipment was done with a fueling truck and a limited amount of petroleum products were stored on site. As part of the mitigation plan, the contractor is required to have a spill prevention plan on site and storage of hazardous materials must be designed to meet standards to prevent contamination. It is prohibited for the contractor to store, or dispose of hazardous wastes on Fort Benning.

3.5 Cultural Resources

In previous Annual Reports, the location of a historically significant grist mill (cultural resources site 9Cel1735) near target T14 has been discussed as well as the need for a protective berm for this site. The 2008 Annual Report stated that the construction of the berm had been stopped based on a concurrence by the Georgia State Historic Preservation Office in July of 2007 that the berm was not needed. The berm was built at this location despite the concurrence.

The Environmental Monitor (EM) inspects all eligible cultural resources sites monthly during the construction phase, ensuring that the areas are properly flagged and remains undisturbed by contractors.

3.6 Noise

The redesigns that occurred during 2008 did not involve the relocation of any firing points and the SEA did not address any noise considerations during the analysis of the alternatives. Fort Benning has not received any complaints in regards to the construction noise and it is not considered an issue. Operational noise has not occurred to date and will not be addressed in this Annual Report. (McPherson, 2009)

3.7 Air Quality

Included in the Mitigation and Monitoring Plan, the contractor must follow existing applicable air quality requirements and take specified actions to control air pollution. Examples of these actions include fugitive dust control such as periodic watering of unpaved roadways and trails, and ensuring vehicles transporting rock and dirt are properly covered. The construction contractor has not reported any opacity readings to Fort Benning's EMD to show that the required fugitive dust restriction has not been exceeded. (McPherson, 2009)

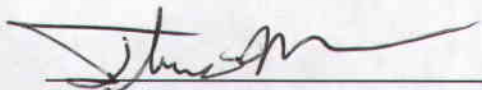
4.0 CONCLUSIONS

The time frame for this Annual Report is from 1 January 2008 to 31 December 2008. This report reviews and summarizes the status of the mitigation and monitoring for the DMPRC and identifies design changes and alterations to the mitigation and monitoring that have deviated from the original EIS.

Some of the design changes that were in the planning phase during 2008 are a result of impacts on the environmental resources on Fort Benning and the changes are an effort to reduce future impacts. Fort Benning EMD has continually monitored this site, independently from the contractor.

Sediment entering Sally Branch, Bonham Creek, Pine Knot Creek, as well as tributaries to these creeks has been reported to the GAEPD. The stream impacts could be attributed to failed BMP's, and the lack of regular maintenance to these BMP's. As part of the NPDES General Permit, the contractor must repair temporary BMP's within 7 days and vegetative deficiencies must be addressed within 14 days. During November 2008 and December 2008, the contractor was not on-site to repair failed BMP's and the site was not in compliance with the permit. Stabilization has occurred over much of the site, and a redesign of the ESPCP during 2008 addressed the problematic areas where erosion is significant. Not all erosion issues can be considered violations of the permit as there are some areas where sediment is entering the site.

APPROVED BY:



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Colonel, Infantry

Garrison Commander

9 Sep 09

Date

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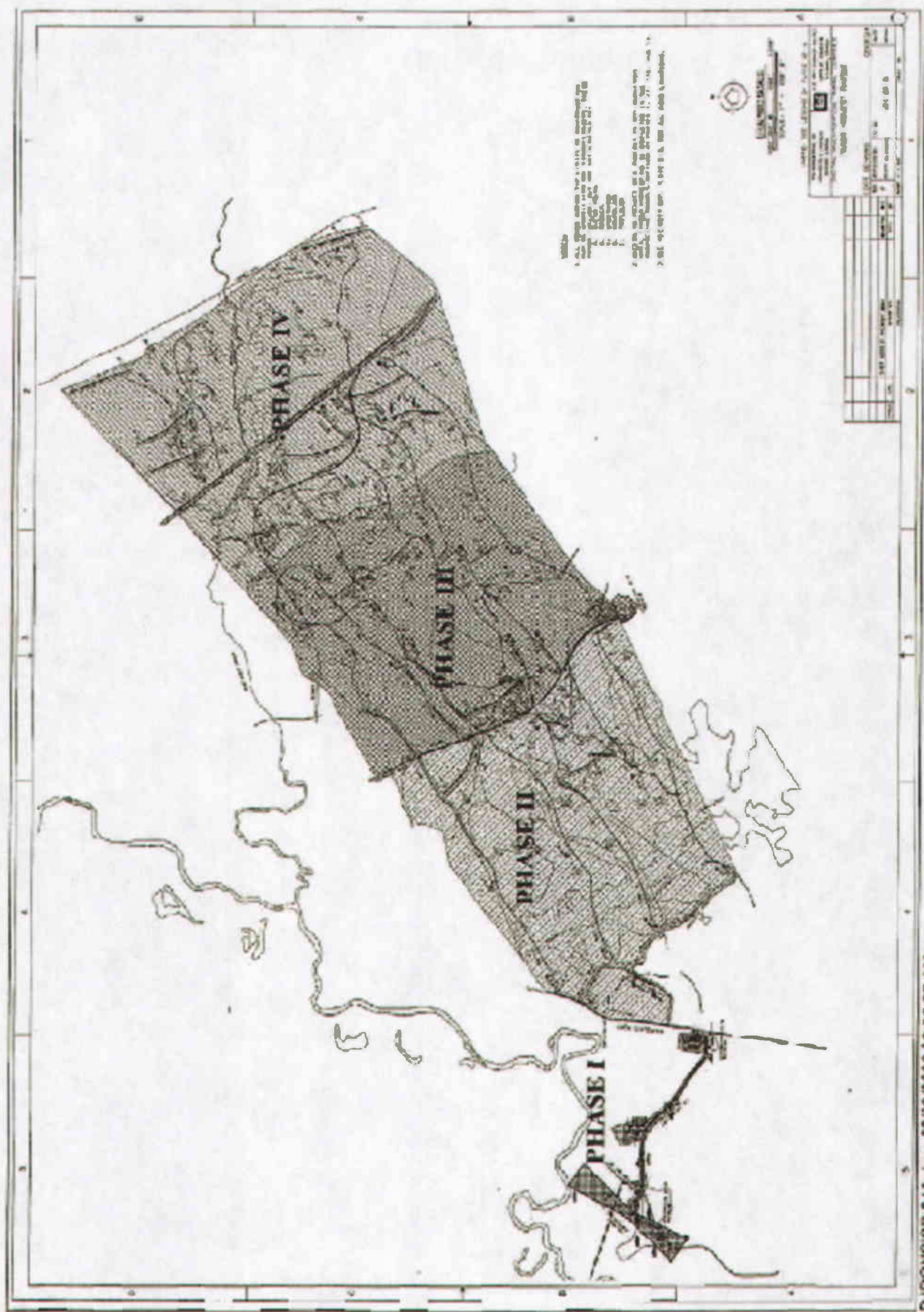
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(2004). *ROD for the Final EIS for the DMPRC*. Fort Benning.

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APPENDIX A



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APPENDIX B

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

EMD Number: 828802 **Project#:** Unknown **Project Title:** DMPRC Line of Sight Timber Harvest

Description of Proposed Action: Remove all merchantable timber from the upland areas of the DMPRC for line of sight. See attached map.

Project Location: DMPRC **Amount, Description, Location of Disturbance/Digging:** None

Number/Types of Vehicles:	Number of Personnel:	Type of Ammunition:	Number/Types of Trees:
Various conventional timber harvest equipment and pines	5	None	Various hardwoods

Size of Project Area: Approximately 190 Acres **Duration of Action:** Start: 10/27/2008 Stop: 4/30/2009

Proponent: James Parker (706-544-7081) **Organization/Unit:** Land Management Branch

DECISION:

COMPLETED

This Action qualifies for a Categorical Exclusion **G-1** of Appendix B, (32 CFR 651)

(G-1): Routine repair and maintenance of buildings, airfields, grounds, equipment, and other facilities. Examples include, but are not limited to: Removal and disposal of asbestos-containing material (for example, roof material and floor tile) or lead-based paint in accordance with applicable regulations; removal of dead, diseased, or damaged trees; and repair of roofs, doors, windows, or fixtures (REC required for removal and disposal of asbestos-containing material and lead-based paint or work on historic structures).

CONDITIONS/FINDINGS:

Cultural Resources - Archeological: None Connie Barnett (706 545 1471), 10/23/2008

Natural Resources - Wetlands: None Gary Hollon (706 544 7070), 10/14/2008

CWA - NPDES Construction: **Conditions:** Felix Seda (706 545 9879), 10/21/2008

SPECIAL NOTES: 1. ONLY tree removal outside of the 25 foot buffer of all streams in the vicinity of these areas. No tree should be remove within 25 foot buffers of any "state waters" until a Stream Buffer Variance is submitted and approved by GA EPD. 2. Any new stream not previously identified in any assessment at the DMPRC will require protection of its 25 buffer. Failure to protect may constitute a violation of the CWA as project still under NPDES permit and pending for submission and approval of a SBV to remove tress from "state waters". Timber (3-4) Good housekeeping measures should be implemented to control soil erosion; and to reduce the amount of pollution in runoff to prevent or minimize pollution of storm water. BMPs under the guidelines of the Georgia's Forestry Best Management Practices will meet the requirements for NPDES at the installation level. These should include guidelines for the stabilization of sites such as but not limited to roads, stream crossings, log decks, skid trails, and firebreaks. NO TREE REMOVAL NO POPPING OF STUMPS OR DIGGING AUTHORIZED. Ensure that all waterways are protected and that timber operations would not affect soil and water resources. Efforts and measures should be implemented to prevent sediment and pollutants from coming into contact with storm water, to include dust control measurements, off site vehicle tracking control, proper waste disposal at the site, and site sanitation.

CWA - SPCC/NPDES Industrial - MS4: **Conditions:** Felix Seda (706 545 9879), 10/21/2008

Timber (2-4) Spill Prevention, Control and Countermeasure (SPCC) and National Pollutant Discharge Elimination System (NPDES) General & MS4 Requirements: During the implementation phase of these projects, the contractor/proponent must have a spill prevention contingency plan, and follow all Ft. Benning and DOT Regulations regardless transportation of hazardous materials. Storage of hazardous material and waste must comply with Ft. Benning regulations, including secondary containment during refueling operations. A hazardous material inventory and MSDS should be kept in record and available at all times. The inventory must include all petroleum products, chemical, herbicides, paints and any other hazardous substances used and/or stored by the contractor on Ft. Benning. Drip pans should be available for vehicles and equipment to prevent oil and other petroleum products from spilling onto the soil or water. Secondary containment is required for any refueling/transferring activities.

CWA - ISCP/EPCRA: **Conditions:** Felix Seda (706 545 9879), 10/21/2008

Timber (4-4) Installation Spill Contingency Plan (ISCP) Requirements: In the event of a spill/discharge of POL and/or hazardous materials, the contractor and/or proponent should report the incident through Emergency-9-1-1 to request assistance from the Fire Department and/or HAZMAT Team, and notification to this office. A spill report must be submitted for all spills to the EMD Spill Program Manager at (706) 545-9879 or FAX to (706) 545-4209. See attached Spill Report Form. The DPW's Contractor and/or proponent is/are

EMD Number: 828802 **Project#:** Unknown **Project Title:** DMPRC Line of Sight Timber Harvest

responsible for the cleanup of any spills caused by him/her or any other personnel assigned to his/her contract that occurs within the installation. Coordination with this office is required for clearance and inspection of any contaminated site.

Natural Resources - Pesticide/Tree Thinning: Conditions: Timothy Marston (706 544 7069), 11/3/2008

The areas to be harvested must be surveyed for RCW concerns within 1 year of the action, as well as the surrounding areas within .5 miles. All RCW surveys were completed October 31, 2008 and no new RCW trees or activity were found.

Reviewed



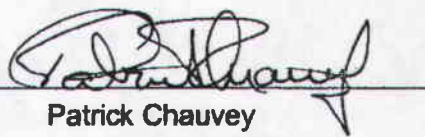
John E Brown

NEPA Program Manager

Date

5 NOV 08

Approved



Patrick Chauvey

EPMB Chief

Date

11/05/08

APPENDIX C



REPLY TO
ATTENTION OF:

DEPARTMENT OF THE ARMY
INSTALLATION MANAGEMENT AGENCY
SOUTHEAST REGION
GARRISON COMMAND
6751 CONSTITUTION LOOP, SUITE 550
FORT BENNING, GEORGIA 31905-4500

Environmental Management Division

SEP 30 2008

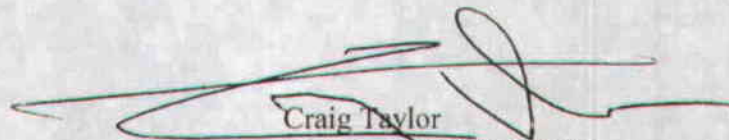
Ms. Stephanie K. Edwards
Georgia Department of Natural Resources
3100 Gentian Boulevard
Suite 001A
Columbus, Georgia 31907

Dear Ms. Edwards:

In accordance with the new 2008 National Pollutant Discharge Elimination System (NPDES) General Permit GAR 100001 Part II.A.2 requirements, the Directorate of Public Works at Fort Benning, Georgia is submitting six (6) Notice of Intents (NOI) for sites where construction activities are currently taking place. The NOIs for these projects have been prepared using the 2008 Re-Issuance NOI form as required under the new NPDES permit.

If you have any questions, please contact Mr. Felix Seda, Environmental Management Division, Directorate of Public Works, at (706) 545-9879.

Sincerely,


Craig Taylor
Director of Public Works

Enclosures

**National Pollutant Discharge Elimination System
Construction Projects at Fort Benning
2008 Re-Issuance Notice of Intends**

The following Notice of Intends are included in this submittal.

1. Directorate of Public Works

- a. TRAPS Vicinity Building 3020 – Sand Hill**
- b. RSLC Harmony Church**
- c. Tactical Assembly Area (TAA)**

2. United States Army Corps of Engineer

- a. Digital Multipurpose Range Complex (DMPRC)**

3. Directorate of Morale, Welfare and Recreation (DMWR)

- a. Huddle House (original submitted under the 2003 permit, however no construction activities have being started)**

4. Flint Electric

- a. Harmony Church Substation**

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DIRECTORATE OF PUBLIC WORKS
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FT. BENNING, GA 31905

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COLUMBUS, GEORGIA 31907

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- Certified Mail Provides:**
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 - NO INSURANCE COVERAGE IS PROVIDED with Certified Mail. For valuables, please consider Insured or Registered Mail.
 - For an additional fee, a Return Receipt may be requested to provide proof of delivery. To obtain Return Receipt service, please complete and attach a Return Receipt (PS Form 3811) to the article and add applicable postage to cover the fee. Endorse mailpiece "Return Receipt Requested". To receive a fee waiver for a duplicate return receipt, a USPS postmark on your Certified Mail receipt is required.
 - For an additional fee, delivery may be restricted to the addressee or addressee's authorized agent. Advise the clerk or mark the mailpiece with the endorsement "Restricted Delivery".
 - If a postmark on the Certified Mail receipt is desired, please present the article at the post office for postmarking. If a postmark on the Certified Mail receipt is not needed, detach and affix label with postage and mail.
- IMPORTANT: Save this receipt and present it when making an inquiry.**
- PS Form 3800, August 2006 (Reverse) PSN 7530-02-000-9047

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COLUMBUS, GEORGIA 31907	
PS Form 3800, August 2006	
See Reverse for instructions	

NOTICE OF INTENT

VERSION 2008

State of Georgia
Department of Natural Resources
Environmental Protection Division

For Coverage Under the 2008 Re-Issuance of the NPDES General Permits
To Discharge Storm Water Associated With Construction Activity

PRIMARY PERMITTEE

NOTICE OF INTENT (Check Only One):

- ☐ Initial Notification (New Facility/Construction Site)
- ☒ Re-Issuance Notification (Existing Facility/Construction Site) *per permit signed 11/29/04*
- ☐ Change of Information (Applicable only if the NOI was submitted after August 1, 2008)

COVERAGE DESIRED (Check Only One):

☒ GAR100001 - Stand Alone ☐ GAR100002 - Infrastructure ☐ GAR100003 - Common Development

I. SITE/OWNER/OPERATOR INFORMATION

Project Construction Site Name: Digital Multipurpose Range W912HN-04-C-0039

GPS Location of Construction Exit (degrees/minutes/seconds):

Latitude 32° 25.04' N Longitude 84° 46.07' W

Construction Site Street Address: Intersection Hourglass/Buena Vista Road

City (applicable if the site is located with the jurisdictional boundaries of the municipality): Ft. Benning

County: Chatham County

Common Development Name (applicable only to General NPDES Permit No. GAR100003): N/A

Owner's Name (Federal Installation): US ARMY - DPW: Mr. Craig Taylor Phone: (706) 545-2330

Address: Burr Street, Building 6, Room 318 City: Ft. Benning State: GA Zip Code: 31905

Duty Authorized Representative: Felix Seda Phone: (706) 545-9879

Operator's Name: McKnight Construction Co. Phone: 706-863-7784

Address: P.O. Box 204716 City: Augusta State: GA Zip Code: 30917

Facility/Construction Site Contact: Mr. Felix Seda Phone: (706) 545-9879

II. CONSTRUCTION SITE ACTIVITY INFORMATION

Start Date (month/date/year): 01 / 31 / 05 Completion Date (month/date/year): 01 / 04 / 08

Estimated Disturbed Acreage (acres, to the nearest tenth (1/10th) acre): 300 + 87

Does the Erosion, Sedimentation and Pollution Control Plan (Plan) provide for disturbing more than 50 acres at any one time for each individual permittee (i.e., primary, secondary or tertiary permittees), or more than 50 contiguous acres total at any one time? (Check Only One):

☐ YES

☐ NO

☒ N/A - if the Plan was submitted prior to the effective date of the General NPDES Permit No. GAR100001 and No. GAR100003 for Stand Alone and Common Development construction activities.

☐ N/A - if construction activities are covered under the General NPDES Permit No. GAR100002 for Infrastructure construction projects.

Construction Activity Type: ☐ Commercial ☐ Industrial ☐ Municipal
☒ Linear ☐ Utility ☐ Residential

Number of Secondary Permittees (applicable only to General NPDES Permit No. GAR100003): N/A

III. RECEIVING WATER INFORMATION

A. Name of Initial Receiving Water(s): Upatoi Creek

☐ Trout Stream

☒ Warm Water Fisheries Stream

B. Name of MS4 Owner/Operator (if applicable): Fort Benning

Name of Receiving Water(s): Bunham Creek, Sally Branch, Pine Knot Creek

☐ Trout Stream

☒ Warm Water Fisheries Stream

C. ☒ Sampling of Receiving Stream(s): ☐ Trout Stream ☒ Warm Water Fisheries Stream

D. ☒ Sampling of Outfall(s): ☐ Trout Stream ☒ Warm Water Fisheries Stream

Number of Sampling Outfalls: 27 Construction Site Size (acres): 1800 acres ±

Appendix B NTU Value: 50 Surface Water Drainage Area (square miles): 2.81 mi²

E. Does the facility/construction site discharge storm water into an Impaired Stream Segment, or within one (1) linear mile upstream of and within the same watershed as, any portion of an Impaired Stream Segment identified as "not supporting" its designated use(s), as shown on Georgia's 2008 and subsequent "305(b)/303(d) List Documents (Final)" listed for the criteria violated, "Bio F" (Impaired Fish Community) and/or "Bio M" (Impaired Macroinvertebrate Community), within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff)? (Check Only One):

☐ YES, Name of Impaired Stream Segment(s): _____

☐ NO

☒ N/A - if the NOI was submitted within 90 days after the effective date of the General NPDES Permit No. GAR100001 and No. GAR100003 for Stand Alone and Common Development construction activities.

☐ N/A - if the NOI was submitted prior to January 1, 2009 for the General NPDES Permit No. GAR100002 for Infrastructure construction activities.

F.. Does the facility/construction site discharge storm water into an Impaired Stream Segment where a Total Maximum Daily Load (TMDL) Implementation Plan for "sediment" was finalized at least six (6) months prior to the submittal of the NOI.

☐ YES, Name of Impaired Stream Segment(s): _____

☐ NO

☒ N/A - If the NOI was submitted within 90 days after the effective date of the General NPDES Permit No. GAR100001 and No. GAR100003 for Stand Alone and Common Development construction activities.

☐ N/A - If the NOI was submitted prior to January 1, 2009 for the General NPDES Permit No. GAR100002 for Infrastructure construction activities.

IV. ATTACHMENTS (Applicable Only to New Facilities/Construction Sites)

Indicate if the items listed below are attached to this Notice of Intent:

X Location map identifying the receiving water(s), outfall(s) or combination thereof to be monitored.

X Erosion, Sedimentation and Pollution Control Plan (If the project is greater than 50 acres regardless of the existence of a certified Local Issuing Authority in the jurisdiction OR if the project is in a jurisdiction where there is no certified Local Issuing Authority regulating that project regardless of acreage).

N/A Written authorization from the appropriate EPD District Office if the Plan disturbs more than 50 acres at any one time for each individual permittee (i.e., primary, secondary or tertiary permittees), or more than 50 contiguous acres total at any one time (applicable only to General NPDES Permits No. GAR100001 and No. GAR100003).

N/A List of known secondary permittees (applicable only to General NPDES Permit No. GAR100003).

X Schedule for the timing of the major construction activities.

V. CERTIFICATIONS (Owner or Operator or Both to Initial as Applicable)

W X I certify that the receiving water(s) or the outfall(s) or a combination of receiving water(s) and outfall(s) will be monitored in accordance with the Erosion, Sedimentation and Pollution Control Plan. Plans dated 28 MAY 2004

W X I certify that the Erosion, Sedimentation and Pollution Control Plan (Plan) has been prepared in accordance with Part IV of the General NPDES Permit No. GAR100001, No. GAR100002 or No. GAR100003, the Plan will be implemented, and that such Plan will provide for compliance with this permit. Plans dated 28 MAY 2004

W X I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that certified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations. per plans dated 28 MAY 2004

Owner's Printed Name (Federal Installation): CRANE TAYLOR

Title: DPW

Signature: [Signature]

Date: 9-30-08

Operator's Printed Name: WILLIAM D. MCKNIGHT

Title: PRESIDENT

Signature: [Signature]

Date: 9/22/08

PERMIT guidelines per NOI dated 11/19/2004

Date

EXPEDITE

ROUTING AND TRANSMITTAL SLIP

30-Sep-08

TO:

Initials

Date

1. EPMB Chief - Pat Chauvey		09/30/08
2. EMD Chief - John Brent		09/30/08
3. DPW Director - Craig Taylor		30
4.		
5.		
☐ Action	☐ File	☐ Note and Return
☐ Approval	☐ For Clearance	☐ Per Conversation
☐ As Requested	☐ For Correction	☐ Prepare Reply
☐ Circulate	☐ For Your Information	☐ See Me
☐ Comment	☐ Investigate	☒ Signature
☐ Coordination	☐ Justify	☐

REMARKS: **SUSPENSE SEPTEMBER 30, 2008**

A transmittal letter with updated Notice of Intent (NOI) submitted under the new 2008 National Pollutant Elimination Discharge System (NPDES) Construction Permit for 6 projects at Fort Benning is enclosed.

Need signature on the following NOIs:

- TRAPS Vicinity Building 3020 – Sand Hill
- Digital Multipurpose Range Complex (DMPRC)

The NOIs for the following projects were previously signed by the DPW Director.

- RSLC Harmony Church
- Tactical Assembly Area (TAA)
- Huddle House
- Harmony Church Substation

Transmittal letter requires DPW Director's signature.

Thanks

FROM:
Felix Seda



Room No. – Bldg
310-Bldg 6
Phone No.
545-9879

APPENDIX D

Table 1
Fort Benning Projects Impacted During January 2008 Rain Events
Affected Areas and Corrective Actions Report

Rain Event Date	Project Name	Primary Permittee	Affected Areas	Corrective Actions
01/02/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	BMP failures Waterways affected Sediment Outside of Project Area	Some Completed – 01/02/08 On-Going – 01/02/2008
01/11/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	BMP failures Waterways affected Sediment Outside of Project Area	On-Going – 01/11/2008
01/11/08	CACTF	McKnight Construction Company/USACE	BMP failures Sediment Outside of Project Area	On-Going – 01/11/2008
01/17/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	BMP failures Waterways affected Sediment Outside of Project Area	On-Going – 01/17/2008
01/21/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	BMP failures Waterways affected Sediment Outside of Project Area	On-Going – 01/21/2008
01/21/08	McGraw Village Phase II	Fort Benning Family Communities, LLC	Sediment Outside of Project Area Storm Drainage affected	Primary permittee notified to perform corrective actions. Some Corrective Actions On-Going January 21, 2008

Table 2
Fort Benning Projects January 2008 Noncompliance Events
Affected Areas and Corrective Actions Report

Noncompliance Date	Project Name	Primary Permittee Responsible Individual/Company	Noncompliance Description	Corrective Actions
01/08/08 (Discovered)	McGraw Village Phase I	Fort Benning Family Communities, LLC	Maintenance of Vegetative and structural control measures. Sediment in Storm Drain.	Primary permittee notified on January 08, 2008 to perform corrective actions. Corrective Actions Completed January 17, 2008
01/11/08 (Discovered)	McGraw Village Phase II	Fort Benning Family Communities, LLC	Sediment Outside of Project Area Storm Drainage affected Tracking on Roadway Illicit Discharge from Painting Cleaning Operations into Storm Drains	Primary permittee notified on January 11, 2008 to perform corrective actions. Some Corrective Actions On-Going January 15, 2008
01/15/08 (Discovered)	McGraw Village Phase I & II	Fort Benning Family Communities, LLC	Sediment in MS4 Drainage Storm Drains unprotected and clogged with sediment resulting in discharge into MS4 ditch along Custer Rd.	Primary permittee notified on January 15, 2008 to perform corrective actions.
01/22/08 (Discovered)	94Noise Units	Fort Benning Family Communities, LLC	Sediment Outside of Project Area Storm System Affected Tracking on Roadway	Primary permittee notified on January 22, 2008 to perform corrective actions.
01/30/08	Trainee Barracks Complex 2 Sand Hill	Workman and Workman Logging/USACE	Maintenance of Structural Control Measures Stream Buffer Encroachment- Logger felled trees into 25 foot buffer and stream	USACE and Logger notified on 01/30/08 to perform corrective actions
01/31/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	Maintenance of structural control measures.	USACE and contractor being notified in a daily and weekly basis to take corrective actions. Corrective actions are in process.
01/31/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	Implementation of vegetative control measures, temporary stabilization, and maintenance of stabilized areas.	USACE and contractor being notified in a daily and weekly basis to take corrective actions. Corrective actions are in process.

Table 2 Continued
Fort Benning Projects January 2008 Noncompliance Events
Affected Areas and Corrective Actions Report

Noncompliance Date	Project Name	Primary Permittee Responsible Individual/Company	Noncompliance Description	Corrective Actions
02/01/08 (Discovered)	Trainee Barracks Complex 2 Sand Hill	Clark Caddell/USACE	Contractor began Clearing and Grubbing outside limits of disturbance without updating NOI and ESPCP	Contractor notified 02/01/08 to implement corrective actions and submit updated NOI, ESPCP, and payment of fees for additional land disturbance.

Table 1
Fort Benning Projects Impacted During February 2008 Rain Events
Affected Areas and Corrective Actions Report

Rain Event Date	Project Name	Primary Permittee	Affected Areas	Corrective Actions
02/01/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	BMP failures Waterways affected Sediment Outside of Project Area	Some Completed – 02/01/08 On-Going – 02/01/2008
02/06/08	CACTF	McKnight Construction Company/USACE	BMP failures Sediment Outside of Project Area	On-Going – 02/06/2008
02/06/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	BMP failures Waterways affected Sediment Outside of Project Area	On-Going – 02/06/2008
02/18/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	BMP failures Waterways affected Sediment Outside of Project Area	On-Going – 02/18/2008
02/22/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	BMP failures Waterways affected Sediment Outside of Project Area	On-Going – 02/22/2008
02/23/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	BMP failures Waterways affected Sediment Outside of Project Area	On-Going – 02/23/2008
02/23/08	CACTF	McKnight Construction Company/USACE	BMP failures Sediment Outside of Project Area	On-Going – 02/23/2008
02/26/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	BMP failures Waterways affected Sediment Outside of Project Area	On-Going – 02/26/2008
02/26/08	McGraw Village Phase II	Fort Benning Family Communities, LLC	BMP failures Waterways affected Sediment Outside of Project Area NTU'S Exceeded: SP-1 604.3; SP-2164.3; SP-3 146; SP4 718.7	On-Going -02/26/08
02/26/08	Patton Village Phase I	Fort Benning Family Communities, LLC	BMP failures Sediment Outside of Project Area	On-Going -02/26/08

Table 2
Fort Benning Projects February 2008 Noncompliance Events
Affected Areas and Corrective Actions Report

Noncompliance Date	Project Name	Primary Permittee Responsible Individual/Company	Noncompliance Description	Corrective Actions
02/06/08 (Discovered)	McGraw Village Phase II	Fort Benning Family Communities, LLC	BMP failures Waterways affected Sediment Outside of Project Area	Primary permittee notified to perform corrective actions. Some Corrective Actions On-Going February 06,2008
02/26/08 (Discovered)	McGraw Village Phase II	Fort Benning Family Communities, LLC	BMP failures Waterways affected Sediment Outside of Project Area	Primary permittee notified to perform corrective actions. Some Corrective Actions On-Going February 26,2008
02/29/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	Maintenance of structural control measures.	USACE and contractor being notified in a daily and weekly basis to take corrective actions. Corrective actions are in process.
02/29/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	Implementation of vegetative control measures, temporary stabilization, and maintenance of stabilized areas.	USACE and contractor being notified in a daily and weekly basis to take corrective actions. Corrective actions are in process.

Table 1
Fort Benning Projects Impacted During March 2008 Rain Events
Affected Areas and Corrective Actions Report

Rain Event Date	Project Name	Primary Permittee	Affected Areas	Corrective Actions
03/04/08	McGraw Village Phase 2	Fort Benning Family Communities, LLC	BMP failures Waterways affected Sediment Outside of Project Area SP-1 617.7, SP-296.5, SP-3 312.3, SP-4 Exceeds 1000NTU's	On-Going – 03/05/08
03/04/08	ATB IET BD HQ Complex	B.L. Harbert LLC	BMP failures Sediment Outside of Project Area No Water Samples Taken- "Unobtainable"	On-Going – 03/05/08
03/04/08	Patton Village Phase 1	Fort Benning Family Communities, LLC	BMP failures Sediment Outside of Project Area SP-1 808.7, SP-2 52.7, SP-3 129.7	On-Going – 03/04/08
03/04/08	Patton Village Phase 2	Fort Benning Family Communities, LLC	BMP failures Waterways affected Sediment Outside of Project Area SP1,SP-2,SP-3 Exceeds 1000NTU's	On-Going – 03/04/08
03/04/08	Patton Village Phase 3	Fort Benning Family Communities, LLC	BMP failures Sediment Outside of Project Area Waterways affected SP1 & SP-3 Exceeds 1000NTU's, SP-2 425	On-Going – 03/04/08
03/05/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	BMP failures Waterways affected Sediment Outside of Project Area	On-Going – 03/06/08
03/07/08	ATB IET BD HQ Complex	B.L. Harbert LLC	BMP failures Sediment Outside of Project Area No Water Samples Taken- "Unobtainable"	On-Going – 03/08/08
03/07/08	Patton Village Phase 1	Fort Benning Family Communities, LLC	BMP failures Sediment Outside of Project Area Water Samples Not Taken as required	On-Going – 03/07/08

Table 1 Continued
Fort Benning Projects March 2008 Noncompliance Events
Affected Areas and Corrective Actions Report

Noncompliance Date	Project Name	Primary Permittee Responsible Individual/Company	Noncompliance Description	Corrective Actions
03/07/08	Patton Village Phase 2	Fort Benning Family Communities, LLC	BMP failures Sediment Outside of Project Area Water Samples Not Taken as required	On-Going – 03/07/08
03/07/08	Patton Village Phase 3	Fort Benning Family Communities, LLC	BMP failures Sediment Outside of Project Area Water Samples Not Taken as required	On-Going – 03/07/08
03/07/08	McGraw Village Phase 2	Fort Benning Family Communities, LLC	BMP failures Waterways affected Sediment Outside of Project Area Water Samples Not Taken as required	On-Going – 03/07/08
03/07/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	BMP failures Waterways affected Sediment Outside of Project Area	On-Going 03/08/08
03/10/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	BMP failures Waterways affected Sediment Outside of Project Area	On-Going 03/11/08
03/19/08	Patton Village Phase 3	Fort Benning Family Communities, LLC	BMP failures Waterways affected Sediment Outside of Project Area SP-1,2, &3 Exceed 1000 NTU's	On-Going 03/20/08
03/19/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	BMP failures Waterways affected Sediment Outside of Project Area	On-Going 03/20/08
03/19/08	Patton Village Phase 1	Fort Benning Family Communities, LLC	BMP failures Sediment Outside of Project Area SP-1 94, SP-2 87, SP-3 171	On-Going – 03/19/08
03/19/08	Patton Village Phase 2	Fort Benning Family Communities, LLC	BMP failures Waterways affected Sediment Outside of Project Area SP-1 810.7, SP-2 620, SP-3 722	On-Going – 03/19/08

Table 1 Continued

[illegible]

Table 2
Fort Benning Projects March 2008 Noncompliance Events
Affected Areas and Corrective Actions Report

Noncompliance Date	Project Name	Primary Permittee Responsible Individual/Company	Noncompliance Description	Corrective Actions
03/01/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	87 Acres of Additional Land Disturbance Completed Without Submitting an Updated ESPCP, Revised NOI, and Payment of Land Disturbance Fees as required	USACE and contractor have been notified of deficiency and have been notified to perform corrective actions. USACE is currently working with the Design Professional and the contractor to correct the ESPCP, NOI, and Fee Payment.
03/04/08 (Discovered)	SATOC- Sand Hill Trainee Barracks Complex II	Clark/Caddell Joint Venture/USACE	ESPCP Not Current, Missing Proper Daily Inspection Records, Rain Event Reports Do not reflect on-site conditions, areas of site left unstabilized more than 14days, Entire site Cleared and Grubbed- Sediment Basins not installed, Sediment Outside Project area, Waterways Affected, BMP Failures	USACE and contractor being notified in a site visit report to take corrective actions. Corrective actions are in process Some Completed- 03/19/08
03/12/08	Patton Village Area J Phase 2	Fort Benning Family Communities, LLC	Record Keeping Deficient or unavailable, BMP's not installed according to the plan, BMP failures, sediment in inlets, sediment outside of the project area, waterways affected, sediment encroachment of stream buffer, sediment on roadways, BMP maintenance	Contractor notified of deficiencies and have been notified to perform corrective action. Corrective actions are in process
03/12/08 (Discovered)	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	Improper Clean up of small petroleum product spill at construction site	USACE and contractor being notified in a daily and weekly basis to take corrective actions. Corrective actions are in process Some Completed 03/18/08

Table 2 Continued
Fort Benning Projects March 2008 Noncompliance Events
Affected Areas and Corrective Actions Report

Noncompliance Date	Project Name	Primary Permittee Responsible Individual/Company	Noncompliance Description	Corrective Actions
03/20/08 (Discovered)	SATOC Harmony Church Trainee Barracks Complex 1	Clark/Caddell/USACE	Sediment Outside of Project Area, Site Cleared and grubbed with mass grading occurring without Sediment Basins being installed, Deficient Recordkeeping (reports not consistent with site conditions), tracking on roadway, CO-not properly installed, fuel storage exceeding 1320 gal on site without an SPCC Plan.	USACE and contractor notified to take corrective actions. Corrective actions are in process and nearly complete 03/28/08
03/28/08	Area J Phase 3	Fort Benning Family Communities, LLC	Sediment Basins not completed despite completion of clearing and grubbing and mass grading of the site, sediment affecting waterways, sediment encroaching stream buffer, Maintenance of structural control measures.	Contractor notified of deficiencies and have been notified to perform corrective action. Corrective actions are in process
03/31/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE		USACE and contractor being notified in a daily and weekly basis to take corrective actions. Corrective actions are in process.
03/31/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	Implementation of vegetative control measures, temporary stabilization, and maintenance of stabilized areas.	USACE and contractor being notified in a daily and weekly basis to take corrective actions. Corrective actions are in process.

Table 1
Fort Benning Projects Impacted During April 2008 Rain Events
Affected Areas and Corrective Actions Report

Rain Event Date	Project Name	Primary Permittee	Affected Areas	Corrective Actions
04/05/08	PN 65056 + 64459 ATB / IET Support Complex	B.L. Harbert, LLC.	BMP Failures Sediment Outside of Project Area Water Sample Taken (282 NTUs)	On-Going - 04/30/08
04/06/08	PN 65068 Trainee Barracks Complex II Sand Hill SATOC	Clark Caddell/ A Joint Venture	BMP failures Waterways affected Sediment Outside of Project Area Water Samples Taken (SP-1: 5.29, SP-2:12.5, SP-3:14.6, SP-4:187, SP-6:11.2, SP-7:25.6)	Completed - 04/18/08
04/06/08	McGraw Village Phase 2	Fort Benning Family Communities, LLC	BMP failures Waterways affected Sediment Outside of Project Area No Water Samples Taken (weekend rain event)	Completed - 04/07/08
04/06/08	Patton Village Phase 2	Fort Benning Family Communities, LLC	BMP failures Waterways affected Sediment Outside of Project Area No Water Samples Taken (weekend rain event)	Completed - 04/07/08
04/06/08	Patton Village Phase 3	Fort Benning Family Communities, LLC	BMP failures Waterways affected Sediment Outside of Project Area No Water Samples Taken (weekend rain event)	Completed - 04/07/08
04/06/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	BMP failures Waterways affected Sediment Outside of Project Area No Water Samples Taken (weekend rain event)	On-Going - 04/07/08
04/06/08	PN 64370 Trainee Barracks Complex I Harmony Church SATOC	Clark Caddell/ A Joint Venture	BMP failures Sediment Outside of Project Area No Water Samples Taken (unobtainable)	Completed - 04/12/08
04/12/08	PN 65056 + 64459 ATB / IET Support Complex	B.L. Harbert, LLC.	BMP Failures Sediment Outside of Project Area	On-Going - 04/30/08

Table 2
Fort Benning Projects April 2008 Noncompliance Events
Affected Areas and Corrective Actions Report

Noncompliance Date	Project Name	Primary Permittee Responsible Individual/Company	Noncompliance Description	Corrective Actions
04/01/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	87 Acres of Additional Land Disturbance Completed Without Submitting an Updated ESPCP, Revised NOI, and Payment of Land Disturbance Fees as required.	USACE and contractor have been notified of deficiency and have been notified to perform corrective actions. USACE is currently working with the Design Professional and the contractor to correct the ESPCP, NOI, and Fee Payment.
04/08/08	PN 65068 Trainee Barracks Complex II Sand Hill SATOC	Clark Caddell/ A Joint Venture/USACE	Slope failure at outfall due to rain event. Stream buffers and waterways affected. Headwall to sediment pond and outfall received heavy damage.	USACE and contractor notified EMD with in 48 hrs of incident occurring. Design change and corrective action completed as of 24 April 2008. NOV issued last month currently in affect awaiting GEPD follow-up.
04/09/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	Sediment is leaving the site in multiple locations. Waterways are being affected in multiple locations.	GEPD on 09 April 2008 visited this site and is in the process of issuing a Consent Order for the site.
04/18/08 (Discovered)	Area "J" Patton Village Phase 3	Fort Benning Family Communities, LLC. / Alexander Contracting	Flushing of the fire hydrants caused large amounts of water to concentrate on an area of SD-1 that eventually failed effecting waterways. Stream buffer was impacted during construction.	GEPD on 21 April 2008 visited this site and is in the process of issuing a Consent Order for the site.
04/30/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	Maintenance of structural control measures.	USACE and contractor being notified in a daily and weekly basis to take corrective actions. Corrective actions are in process.
04/30/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	Implementation of vegetative control measures, temporary stabilization, and maintenance of stabilized areas.	USACE and contractor being notified in a daily and weekly basis to take corrective actions. Corrective actions are in process.

Table 3
Fort Benning Projects Impacted During May 2008 Rain Events
Affected Areas and Corrective Actions Report

Rain Event Date	Project Name	Primary Permittee	Affected Areas	Corrective Actions
05/11/08	PN 65068 Trainee Barracks Complex II Sand Hill SATOC	Clark Caddell/ A Joint Venture	BMP failures Waterways affected Sediment Outside of Project Area	Completed – 05/16/08
05/11/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	BMP failures Waterways affected Sediment Outside of Project Area	On-Going – 05/31/08

Table 4
Fort Benning Projects May 2008 Noncompliance Events
Affected Areas and Corrective Actions Report

Noncompliance Date	Project Name	Primary Permittee Responsible Individual/Company	Noncompliance Description	Corrective Actions
05/12/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	Sediment is leaving the site in multiple locations. Waterways are being affected in multiple locations.	GEPD on 09 April 2008 visited this site and is in the process of issuing a Consent Order for the site.
05/13/08	PN 65068 Trainee Barracks Complex II Sand Hill SATOC	Clark Caddell/ A Joint Venture	Tree felling into a stream buffer.	USACE and contractor notified EMD with in 48 hrs of incident occurring. The tree and any associated debris from the tree were removed by the time of the site visit that occurred on 14 May 2008.
05/14/08 (Discovered)	PN 65056 + 64459 ATB / IET Support Complex	B.L. Harbert, LLC.	Slopes of the project on the North East corner has extended past the project limits.	Design change and project modification is currently on going.

**Table 4
(Continuation)
Fort Benning Projects May 2008 Noncompliance Events
Affected Areas and Corrective Actions Report**

Noncompliance Date	Project Name	Primary Permittee Responsible Individual/Company	Noncompliance Description	Corrective Actions
05/15/08 (Discovered)	Fire Training Area	Shaw Infrastructure, Inc.	Construction exceeded project limits by approximately 1.1 acres.	ESPCP to be updated to illustrate additional area. Additional fees and NOI are to be modified and paid.
05/21/08 (Discovered)	National Infantry Museum	Batson Cook, Co.	Construction exceeded the land disturbance limits outlined on the ESPCP.	ESPCP to be updated to illustrate additional disturbance.
05/23/08 (Discovered)	PN 64370 Trainee Barracks Complex 1 Harmony Church SATOC	Clark Caddell/ A Joint Venture	Maintenance operations taking place without proper BMPs and with out proper clean up.	Contractor was advised to clean area and install the proper BMPs according to the site specific SPCC plan developed by Fort Benning.
05/31/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	Maintenance of structural control measures.	USACE and contractor being notified in a daily and weekly basis to take corrective actions. Corrective actions are in process.
05/31/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	Implementation of vegetative control measures, temporary stabilization, and maintenance of stabilized areas.	USACE and contractor being notified in a daily and weekly basis to take corrective actions. Corrective actions are in process.
05/31/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	87 Acres of Additional Land Disturbance Completed Without Submitting an Updated ESPCP, Revised NOI, and Payment of Land Disturbance Fees as required.	Reported through in March and April 2008. USACE and contractor have been notified of deficiency. No updates as of 5/31/2008.

Table 1
Fort Benning Projects Impacted During April 2008 Rain Events
Affected Areas and Corrective Actions Report

Rain Event Date	Project Name	Primary Permittee	Affected Areas	Corrective Actions
06/13/08	PN 65068 Trainee Barracks Complex II Sand Hill SATOC	Clark Caddell/ A Joint Venture	BMP failures Sediment Outside of Project Area	Completed – 07/10/08
06/13/08	PN 64370 Trainee Barracks Complex I Harmony Church SATOC	Clark Caddell/ A Joint Venture	BMP failures Sediment Outside of Project Area No Water Samples Taken (unobtainable)	Completed – 06/18/08
06/30/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	BMP failures Waterways affected Sediment Outside of Project Area	On-Going – 06/18/08

Table 2
Fort Benning Projects April 2008 Noncompliance Events
Affected Areas and Corrective Actions Report

Noncompliance Date	Project Name	Primary Permittee Responsible Individual/Company	Noncompliance Description	Corrective Actions
06/06/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	Improper storage of hazardous and contaminated material was discovered in the lay down area.	USACE was notified immediately upon discovery and the materials were removed and stored in the proper manner as of 13 June 2008
06/30/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	Sediment is leaving the site in multiple locations. Waterways are being affected in multiple locations.	GEPD on 09 April 2008 visited this site and is in the process of issuing a Consent Order for the site.
06/30/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	Maintenance of structural control measures.	USACE and contractor being notified in a weekly basis to take corrective actions. None or minor corrective actions noticed.
06/30/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	Implementation of vegetative control measures, temporary stabilization, and maintenance of stabilized areas.	USACE and contractor being notified in a weekly basis to take corrective actions. None or minor corrective actions noticed.
06/30/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	87 Acres of Additional Land Disturbance Completed Without Submitting an Updated ESPCP, Revised NOI, and Payment of Land Disturbance Fees as required.	USACE and contractor have been notified of deficiency since 21 November 2007. Included in the self notification report since 1 March 08. No submission of revised plans or payment of additional fees as of 11 July 2008.

Table 1
Fort Benning Projects Impacted During July 2008 Rain Events
Affected Areas and Corrective Actions Report

Rain Event Date	Project Name	Primary Permittee	Affected Areas	Corrective Actions
7/06/2008	PN 64459/65056 ATB – IET support complex	B.L. Harbert, LLC. / USACOE	BMP failures	Completed – 7/11/08
7/06/2008	Fire Training Area	Shaw Infrastructure, Inc.	BMP failures; Sediment outside the project limits	Completed – 7/31/08
7/08/2008	PN 64370 Trainee Barracks Complex, Harmony Church	Clark Caddell / A Joint Venture / USACOE	BMP failures; Sediment outside the project limits	Completed – 7/11/08
7/14/2008	PN 64370 Trainee Barracks Complex, Harmony Church	Clark Caddell / A Joint Venture / USACOE	BMP failures	Completed – 7/18/08
7/14/2008	PN 64459/65056 ATB – IET support complex	B.L. Harbert, LLC. / USACOE	BMP failures; Sediment outside the project limits	Completed – 7/18/08
7/14/2008	PN 65068 Trainee Barracks Complex, Sand Hill	Clark Caddell / A Joint Venture / USACOE	BMP failures; Sediment outside the project limits; Sediment impacting Waters of the State	Completed – 7/18/08
7/31/2008	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	BMP failures Waterways affected Sediment outside of project area	Some Completed – 7/31/08 On-Going – 7/31/2008
7/31/2008	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	BMP failures Waterways affected	Some Completed – 7/31/08 On-Going – 7/31/2008

Table 2
Fort Benning Projects July 2008 Noncompliance Events
Affected Areas and Corrective Actions Report

Noncompliance Date	Project Name	Primary Permittee Responsible Individual/Company	Noncompliance Description	Corrective Actions
7/02/2008	PN 64370 Trainee Barracks Complex, Harmony Church	Clark Caddell / A Joint Venture / USACOE	Project exceeded approved clearing limits.	Primary permittee immediately notified appropriate management and immediately seeded and mulched areas identified. Actions completed as of 31 July 2008.
7/23/2008	PN 64459/65056 ATB - IET support complex	B.L. Harbert, LLC. / USACOE	Project exceeded approved clearing limits.	ESPCP was modified to address over extension of the clearing limits. NOI was modified and additional fees paid as of the beginning of August.
7/31/2008	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	Maintenance of structural control measures.	USACE and contractor being notified in a daily and weekly basis to take corrective actions. Corrective actions are in process.
7/31/2008	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	Implementation of vegetative control measures, temporary stabilization, and maintenance of stabilized areas.	USACE and contractor being notified in a daily and weekly basis to take corrective actions. Corrective actions are in process.

Table 3

**Fort Benning Projects Impacted During August 2008 Rain Events
Affected Areas and Corrective Actions Report**

Rain Event Date	Project Name	Primary Permittee	Affected Areas	Corrective Actions
8/03/2008	PN 64459/65056 ATB – IET support complex	B.L. Harbert, LLC. / USACOE	BMP failures; Sediment outside the project limits	Completed – 8/08/08
8/07/2008	PN 64370 Trainee Barracks Complex, Harmony Church	Clark Caddell / A Joint Venture / USACOE	BMP failures; Sediment outside the project limits	Completed – 8/08/08
8/13/2008	PN 64370 Trainee Barracks Complex, Harmony Church	Clark Caddell / A Joint Venture / USACOE	BMP failures	On Going – 8/31/08
8/13/2008	PN 65068 Trainee Barracks Complex, Sand Hill	Clark Caddell / A Joint Venture / USACOE	BMP failures; Samples taken – awaiting NTU values	Completed – 8/15/08
8/13/2008	McGraw Village Phase III	Fort Benning Family Communities, LLC.	Sediment outside the project limits due to unidentified storm drain (capped 8-14-08); Samples taken – SP-1 1000+, SP-2 600, SP-3 55 (NTUs)	Completed – 8/14/08
8/25/2008	Warrior Training Center	Shaw Infrastructure, Inc.	BMP failures; Samples taken – SP-1 65.85 NTU	On Going – 8/31/08
8/26/2008	Patton Village Phase III	Fort Benning Family Communities, LLC.	BMP failures; Sediment outside the project limits; Sediment impacting Waters of the State	Completed – 9/03/08
8/31/2008	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	BMP failures Waterways affected	Some Completed – 8/31/08 On-Going – 8/31/2008

Table 4
Fort Benning Projects August 2008 Noncompliance Events
Affected Areas and Corrective Actions Report

Noncompliance Date	Project Name	Primary Permittee Responsible Individual/Company	Noncompliance Description	Corrective Actions
8/15/2008 (Discovered)	Custer Road Slip-Line	Non-Permitted project – Operator – Extreme Services – Managed by – DPW	BMP Failures, Sediment entering Waters of the State, Sediment impacting Waters of the State, Stream Buffer encroached upon, BMPs in need of maintenance.	Corrective actions on-going as of 8/31/2008.
8/31/2008	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	Maintenance of structural control measures.	USACE and contractor being notified in a daily and weekly basis to take corrective actions. Corrective actions are in process.
8/31/2008	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	Implementation of vegetative control measures, temporary stabilization, and maintenance of stabilized areas.	USACE and contractor being notified in a daily and weekly basis to take corrective actions. Corrective actions are in process.

Table 1
Fort Benning Projects Impacted During September 2008 Rain Events
Affected Areas and Corrective Actions Report

Rain Event Date	Project Name	Primary Permittee	Affected Areas	Corrective Actions
09/15/08	PN 65068 Trainee Barracks Complex II Sand Hill SATOC	Clark Caddell/ A Joint Venture - USACOE	BMP failures Sediment Impacting State Waters Sediment Outside of Project Area Samples taken and awaiting values	Completed – 09/26/08
09/15/08	PN 64370 Trainee Barracks Complex I Harmony Church SATOC	Clark Caddell/ A Joint Venture - USACOE	BMP failures Sediment Outside of Project Area	Completed – 09/26/08
09/15/08	Digital Multi Purpose Range Complex	McKnight Construction Company - USACOE	BMP failures Waterways affected Sediment Outside of Project Area	On-Going – 09/30/08

Table 2
Fort Benning Projects September 2008 Noncompliance Events
Affected Areas and Corrective Actions Report

Noncompliance Date	Project Name	Primary Permittee Responsible Individual/Company	Noncompliance Description	Corrective Actions
09/15/08	PN 65068 Trainee Barracks Complex II Sand Hill SATOC	Clark Caddell/ A Joint Venture - USACOE	Improper spill procedures during a rain event. Spill pans under machinery either were not placed in the proper location and/or overflowed.	Noncompliant issue identified by the USACE. Issue was reported and cleaned immediately.
9/23/08 (discovered)	PN 64370 Trainee Barracks Complex I Harmony Church SATOC	Clark Caddell/ A Joint Venture - USACOE	SPCC not properly completed on site.	Completed – 10-3-08
9/23/08 (discovered)	PN 65068 Trainee Barracks Complex II Sand Hill SATOC	Clark Caddell/ A Joint Venture - USACOE	SPCC not properly completed on site.	Completed – 10-3-08
09/30/08	Digital Multi Purpose Range Complex	McKnight Construction Company - USACOE	Sediment is leaving the site in multiple locations. Waterways are being affected in multiple locations.	Working on BMPs repairs where concentrated flows are the root cause. No cleanup of waterways conducted. Note: GEPD on 09 April 2008 visited this site and is in the process of issuing either a Consent Order or a Notice of Violation for the site.
09/30/08	Digital Multi Purpose Range Complex	McKnight Construction Company - USACOE	Maintenance of structural control measures.	USACE and contractor being notified in a weekly basis to take corrective actions. None or minor corrective actions noticed.
09/30/08	Digital Multi Purpose Range Complex	McKnight Construction Company - USACOE	Implementation of vegetative control measures, temporary stabilization, and maintenance of stabilized areas.	USACE and contractor being notified in a weekly basis to take corrective actions. None or minor corrective actions noticed.

Table 3
Fort Benning Projects Impacted During October 2008 Rain Events
Affected Areas and Corrective Actions Report

Rain Event Date	Project Name	Primary Permittee	Affected Areas	Corrective Actions
10/08/08	PN 65396 75 th Ranger Regiment HQ Addition	Walbridge Aldinger - USACOE	BMP failures Sediment Outside of Project Area	On Going - 10/31/08
10/08/08	PN 64462 Reception Station Phase I	Caddell Construction Co. Inc. - USACOE	BMP failures Sediment Outside of Project Area	On Going - 10/31/08
10/08/08	PN 64459 / 65056 ATB/IET Complex Small Site	B.L. Harbert, LLC. - USACOE	BMP failures Sediment Outside of Project Area	Completed - 10/20/08
10/08/08	PN 64459 / 65056 ATB/IET Complex Large Site	B.L. Harbert, LLC. - USACOE	BMP failures Sediment Outside of Project Area Samples Taken (SP 1 - NTU = 1000)	Completed - 10/20/08
10/08/08	Warrior Training Center	Shaw Infrastructure, Inc.	BMP Failures	Completed - 10/31/08
10/09/08	PN 64462 Reception Station Phase I - USACOE	Caddell Construction Co. Inc. - USACOE	BMP failures Sediment Outside of Project Area	On Going - 10/31/08
10/24/08	PN 64459 / 65056 ATB/IET Complex Small Site	B.L. Harbert, LLC. - USACOE	BMP failures Sediment Outside of Project Area	Completed - 10/29/08
10/24/08	PN 64459 / 65056 ATB/IET Complex Large Site	B.L. Harbert, LLC. - USACOE	BMP failures Sediment Outside of Project Area Sediment Impacting State Waters Samples Taken (SP 1 - NTU = 1050)	Completed - 10/29/08
10/24/08	PN 64462 Reception Station Phase I	Caddell Construction Co. Inc. - USACOE	BMP failures Sediment Outside of Project Area Samples Taken - Awaiting Value	On Going - 10/31/08
10/24/08	Digital Multi Purpose Range Complex	McKnight Construction Company - USACOE	BMP failures Waterways affected Sediment Outside of Project Area	On-Going - 10/31/08

Table 4
Fort Benning Projects October 2008 Noncompliance Events
Affected Areas and Corrective Actions Report

Noncompliance Date	Project Name	Primary Permittee Responsible Individual/Company	Noncompliance Description	Corrective Actions
0/28/08 (discovered)	Patton Village Phase III	Fort Benning Family Communities, LLC.	Sediment entering State Waters BMP Failures	These issues were discovered during a GEPD site visit. Issues corrected as of 12 Nov 08.
10/31/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACOE	Sediment is leaving the site in multiple locations. Waterways are being affected in multiple locations.	BMPs associated with these locations have being corrected. No cleanup of waterways conducted. Note: GEPD on 09 April 2008 visited this site and is in the process of issuing either a Consent Order or a Notice of Violation for the site.
10/31/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACOE	Maintenance of structural control measures.	USACE and contractor being notified in a weekly basis to take corrective actions. None or minor corrective actions noticed.
10/31/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACOE	Implementation of vegetative control measures, temporary stabilization, and maintenance of stabilized areas.	USACE and contractor being notified in a weekly basis to take corrective actions. None or minor corrective actions noticed.

Table 1
Fort Benning Projects Impacted During November 2008 Rain Events
Affected Areas and Corrective Actions Report

Rain Event Date	Project Name	Primary Permittee	Affected Areas	Corrective Actions
11/14/08	Digital Multi Purpose Range Complex	McKnight Construction Company – USACE	BMP failures Waterways affected Sediment Outside of Project Area	On-Going – 11/30/08
11/14/08	PN 64459 / 65056 ATB/IET Complex Harmony Church	B.L. Harbert, LLC - USACE	BMP failures Sediment Impacting State Waters Sediment Outside of Project Area Samples taken (SP1 – 950 NTU; SP2 – 288 NTU)	On Going – 11/30/08
11/15/08	PN 65068 Trainee Barracks Complex II Sand Hill SATOC	Clark Caddell/ A Joint Venture – USACE	BMP failures Sediment Impacting State Waters Sediment Outside of Project Area Samples taken and awaiting values	On Going – 11/30/08
11/15/08	PN 64370 Trainee Barracks Complex I Harmony Church SATOC	Clark Caddell/ A Joint Venture – USACE	BMP failures Sediment Impacting State Waters Sediment Outside of Project Area Samples taken and awaiting values	On Going – 11/30/08
11/19/08	PN 64459 / 65056 ATB/IET Complex Harmony Church	B.L. Harbert, LLC - USACE	BMP failures Sediment Impacting State Waters Sediment Outside of Project Area	On Going – 11/30/08
11/20/08	Digital Multi Purpose Range Complex	McKnight Construction Company – USACE	BMP failures Waterways affected Sediment Outside of Project Area	On-Going – 11/30/08
11/20/08	Digital Multi Purpose Range Complex	McKnight Construction Company – USACE	BMP failures Waterways affected Sediment Outside of Project Area	On-Going – 11/30/08

Table 2
Fort Benning Projects November 2008 Noncompliance Events
Affected Areas and Corrective Actions Report

Noncompliance Date	Project Name	Primary Permittee Responsible Individual/Company	Noncompliance Description	Corrective Actions
11/12/08 (discovered)	Maintenance and Repair of Maneuver Center Building 4; and Construction of Annex D & E	The McCarty Corporation - USACE	Contractor initiated land disturbances at a construction project without proper coverage under NPDES permit by failing to submit an NOI, ESPCP and payment for construction fees. Contractor failed to implement initial BMPs or update ESPCP to reflect changes made in the ESPCP.	USACE Project Engineer notified to have all activities ceased at the site until contractor submit required documentation to request coverage under NPDES permit, before any additional land disturbance activities were to take place. ESPCP updated on 11/20/08. NOI and ESPCP submitted to GA EPD on 11/20/08. COE and contractor notified that starting date for land disturbances will be December 4, 2008.
11/17/08	Maintenance and Repair of Maneuver Center Building 4; and Construction of Annex D & E	The McCarty Corporation - USACE	Contractor proceeded with additional land disturbance at site without requesting coverage under NPDES permit, and without DPW and/or GA EPD approval.	DPW to request a waiver from GA EPD to allow for some minor disturbances. On 11/19/2008 GA EPD did not grant this exception.
11/18/08	Maintenance and Repair of Maneuver Center Building 4; and Construction of Annex D & E	The McCarty Corporation - USACE	Contractor continued land disturbance at the site. The total disturbance of the area includes a 113' X 169' area – approximately 0.4 acre. Land disturbance included borings for footings and the filling of the area.	As of 12/2/2008, no additional land disturbance outside of this initial area was conducted at the site. Only work conducted was placement of trailers in the concrete footings.

Table 2
Fort Benning Projects November 2008 Noncompliance Events
Affected Areas and Corrective Actions Report - (Continuation)

Noncompliance Date	Project Name	Primary Permittee Responsible Individual/Company	Noncompliance Description	Corrective Actions
11/19/2008 (discovered)	Maintenance and Repair of Maneuver Center Building 4	TEL-TEC (DOIM) - USACE	DOIM Contractor (TEL-TEC) authorized by USACE to install communication lines in support of Building 4 Contractor Trailer conducted land disturbances within the 25 foot buffer of Laundry Creek. The DOIM contractor neither has a FB-144-R (NEPA Documentation) nor followed the ESPCP specifications approved for this project.	On 11/20/2008 DOIM Contractor ceased all work at the site, removed the silt fence, and stabilized the area of concern. DOIM Contractor to submit a FB 144 R for the additional land disturbance not included in the original ESPCP. FB 144 R submitted and approved on 12/5/2008.
11/19/2008 (discovered)	Building 36 and 37 Renovations.	Don Jones (Clement Group LLC) - USACE	Illicit discharge of wastewaters from washing of a concrete mixing machine where wastewaters reached a storm drain. The stormdrain is part of the MS4 system at the installation level.	On 11/20/2008 the contractor initiated corrective actions by removing pollutants from inside the stormdrain and cleaning the adjacent area. By 11/24/2008 contractor had implemented additional BMPs to prevent future washing operations from reaching the stormdrain until all construction activities are completed.
11/30/08	Digital Multi Purpose Range Complex	McKnight Construction Company - USACE	Sediment is leaving the site in multiple locations. Waterways are being affected in multiple locations.	No corrective actions were implemented at the site. No cleanup of waterways conducted.

Table 2
Fort Benning Projects November 2008 Noncompliance Events
Affected Areas and Corrective Actions Report - (Continuation)

Noncompliance Date	Project Name	Primary Permittee Responsible Individual/Company	Noncompliance Description	Corrective Actions
11/30/08	Digital Multi Purpose Range Complex	McKnight Construction Company - USACE	Maintenance of structural control measures.	USACE and contractor were notified on a weekly basis to take corrective actions. Minimal to no corrective actions noticed.
11/30/08	Digital Multi Purpose Range Complex	McKnight Construction Company - USACE	Implementation of vegetative control measures, temporary stabilization, and maintenance of stabilized areas.	USACE and contractor were notified on a weekly basis to take corrective actions. Minimal or no corrective actions noticed.
11/30/08	Digital Multi Purpose Range Complex	McKnight Construction Company - USACE	Work has temporarily ceased on project; however, contractor is responsible for NPDES compliance inspections to be conducted on site, this are not being done.	USACE notified of this requirement. DPW-EMD Monitoring Inspector assisting on after rain events and weekly/monthly inspection as needed.
11/30/08 (discovered)	Warrior Training Center	Shaw Infrastructure, Inc.	BMP failures as a result of significant rain events in the month of November. Proponent of site did not notify EMD of BMP failures. This was witnessed through numerous "drive by's." Sediment did not appear to leave site and/or impact state waters.	N/A
12/03/08 (discovered)	Maintenance and Repair of Maneuver Center Building 4; and Construction of Annex D & E	The McCarty Corporation - USACE	Contractor proceeded with additional land disturbance at site prior to the 14 days waiting period ended; which was to end on 12/4/2008. The additional land disturbance of the area includes a 113' X 169' area - approximately 0.4 acre. Land disturbance included filling with GAB to level the area in preparation for the footing installation.	USACE Project Engineer notified of violation on 12/4/08. NPDES permit waiting period now completed.

Table 2
Fort Benning Projects December 2008 Noncompliance Events
Affected Areas and Corrective Actions Report
(Continuation)

Noncompliance Date	Project Name	Primary Permittee Responsible Individual/Company	Noncompliance Description	Corrective Actions
12/31/08	Digital Multi Purpose Range Complex	McKnight Construction Company - USACOE	Sediment is leaving the site in multiple locations. Waterways are being affected in multiple locations. See specific reports on Table 1.	No corrective actions being implemented at the site. No cleanup of waterways conducted.
12/31/08	Digital Multi Purpose Range Complex	McKnight Construction Company - USACOE	Maintenance of structural control measures.	USACE and contractor being notified in a weekly basis to take corrective actions. None or minor corrective actions noticed.
12/31/08	Digital Multi Purpose Range Complex	McKnight Construction Company - USACOE	Implementation of vegetative control measures, temporary stabilization, and maintenance of stabilized areas.	USACE and contractor being notified in a weekly basis to take corrective actions. None or minor corrective actions noticed.
12/31/08	Digital Multi Purpose Range Complex	McKnight Construction Company - USACE	Work has temporarily ceased on project; however, contractor is responsible for NPDES compliance inspections to be conducted on site, this are not being done.	USACE notified of this requirement. DPW-EMD Monitoring Inspector assisting on after rain events and weekly/monthly inspection as needed.
12/31/08	Maintenance and Repair of Maneuver Center Building 4	Tel-Tec, Inc. - DOIM	Groundwater was seeping into a hole during the replacement of a communication junction box. The water ran underneath improperly installed silt fence and was also pumped out into a parking area with no inlet protection. Sediment entered the parking area outside the approved limits.	Contractor notified on site at time of incident. Area was completely cleaned by COB of that day, 12-31-08.

Table 1
Fort Benning Projects Impacted During January 2008 Rain Events
Affected Areas and Corrective Actions Report

[illegible]

Table 2
Fort Benning Projects January 2008 Noncompliance Events
Affected Areas and Corrective Actions Report

Noncompliance Date	Project Name	Primary Permittee Responsible Individual/Company	Noncompliance Description	Corrective Actions
01/08/08 (Discovered)	McGraw Village Phase I	Fort Benning Family Communities, LLC	Maintenance of Vegetative and structural control measures. Sediment in Storm Drain.	Primary permittee notified on January 08, 2008 to perform corrective actions. Corrective Actions Completed January 17, 2008
01/11/08 (Discovered)	McGraw Village Phase II	Fort Benning Family Communities, LLC	Sediment Outside of Project Area Storm Drainage affected Tracking on Roadway Illicit Discharge from Painting Cleaning Operations into Storm Drains	Primary permittee notified on January 11, 2008 to perform corrective actions. Some Corrective Actions On-Going January 15, 2008
01/15/08 (Discovered)	McGraw Village Phase I & II	Fort Benning Family Communities, LLC	Sediment in MS4 Drainage Storm Drains unprotected and clogged with sediment resulting in discharge into MS4 ditch along Custer Rd.	Primary permittee notified on January 15, 2008 to perform corrective actions.
01/22/08 (Discovered)	94Noise Units	Fort Benning Family Communities, LLC	Sediment Outside of Project Area Storm System Affected Tracking on Roadway Maintenance of Structural Control Measures	Primary permittee notified on January 22, 2008 to perform corrective actions.
01/30/08	Trainee Barracks Complex 2 Sand Hill	Workman and Workman Logging/USACE	Stream Buffer Encroachment- Logger felled trees into 25 foot buffer and stream	USACE and Logger notified on 01/30/08 to perform corrective actions
01/31/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	Maintenance of structural control measures.	USACE and contractor being notified in a daily and weekly basis to take corrective actions. Corrective actions are in process.
01/31/08	Digital Multi Purpose Range Complex	McKnight Construction Company/USACE	Implementation of vegetative control measures, temporary stabilization, and maintenance of stabilized areas.	USACE and contractor being notified in a daily and weekly basis to take corrective actions. Corrective actions are in process.

Table 2 Continued
Fort Benning Projects January 2008 Noncompliance Events
Affected Areas and Corrective Actions Report

Noncompliance Date	Project Name	Primary Permittee Responsible Individual/Company	Noncompliance Description	Corrective Actions
02/01/08 (Discovered)	Trainee Barracks Complex 2 Sand Hill	Clark Caddell/USACE	Contractor began Clearing and Grubbing outside limits of disturbance without updating NOI and ESPCP	Contractor notified 02/01/08 to implement corrective actions and submit updated NOI, ESPCP, and payment of fees for additional land disturbance.

Project Names & Affected area

DATA Information

Digital Multi Purpose Range Complex	McKnight Construction Company/USACE
Barracks Replacement Project	Caddell Construction Company/USACE
CACTF	McKnight Construction Company/USACE
AAFES Custer Road Shoppette	Hicks Construction/AAFES
AAFES Shopping Center	Baggett Construction/AAFES
Warrior Training Center	Shaw Infrastructure, Inc
National Infantry Museum	National Infantry Foundation
Patton Village – Tract “J” Phase I	Fort Benning Family Communities, LLC (FBFC)
Patton Village – Tract “J” Phase II	Fort Benning Family Communities, LLC (FBFC)
Patton Village – Tract “J” Phase III	Fort Benning Family Communities, LLC (FBFC)
Area T	Fort Benning Family Communities, LLC (FBFC)
McGraw Manor Phase I	Fort Benning Family Communities, LLC (FBFC)
McGraw Manor Phase II	Fort Benning Family Communities, LLC (FBFC)
Sanitary Sewer Line – WWTP	Columbus Water Work (CWW)

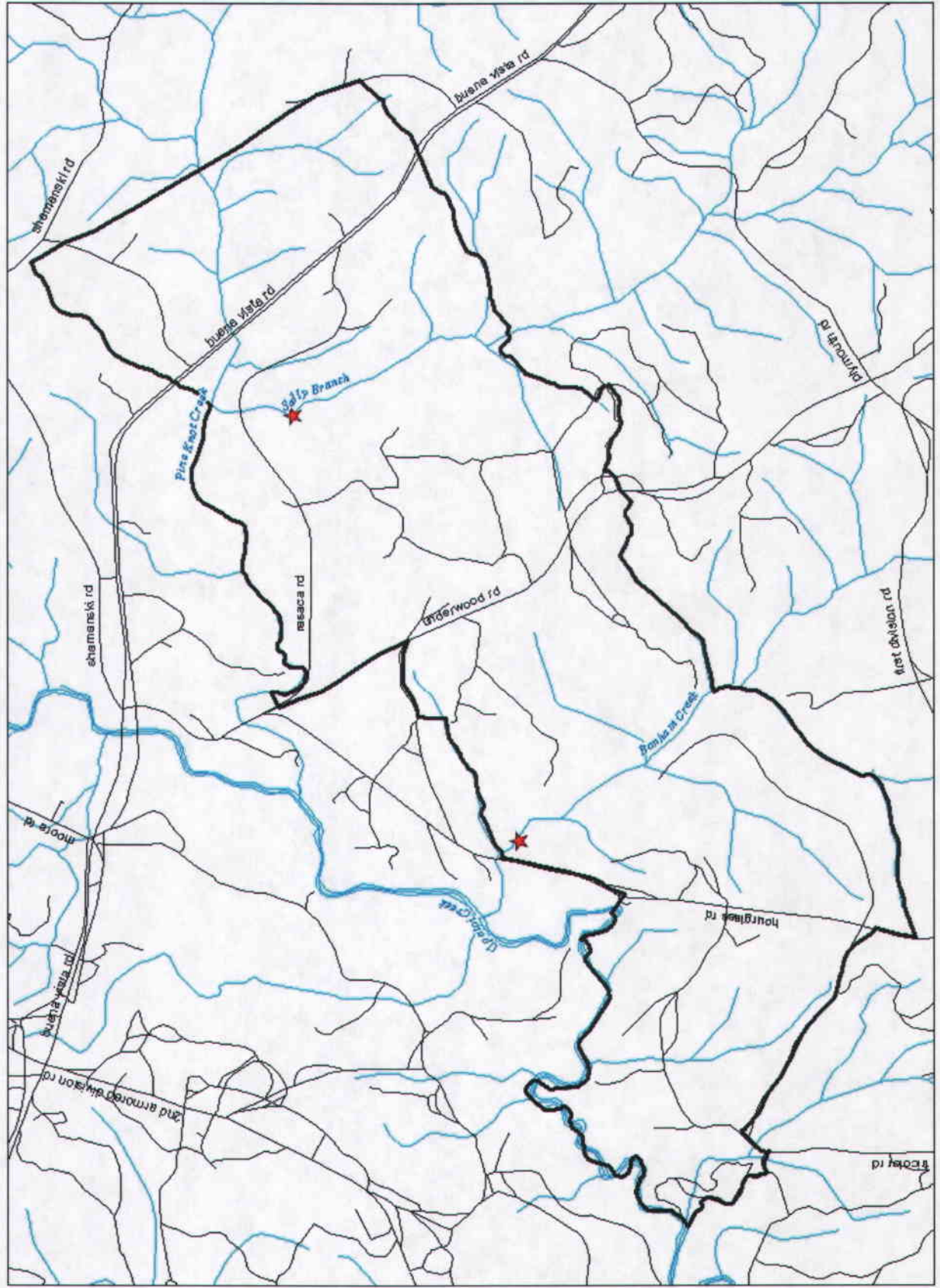
BMP failures
Waterways affected
Wetlands affected
Sediment outside of permit area

On-Going - _/_/08

Completed - _/_/08

APPENDIX E

DMPRC Stream Site Locations



APPENDIX F

Annual Progress Report: Cover
Letter For Power Point Presentation

6 May 2008

Jonathan Neufeldt
Wildlife Biologist
Conservation Branch
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Fort Benning, Georgia

**Impact of the Digital Multipurpose Range Complex Timber Harvest and
Construction on Red-cockaded Woodpecker (*Picoides borealis*) Home Range,
Habitat Use and Breeding Season Group Demographics on Fort Benning, GA**

Monitoring Period

This report covers data collection periods from September through March (non-breeding season home range and habitat use monitoring period) for years 2004 through 2008, and April through August for years 2004 through 2008 (breeding season/fledgling monitoring (demographics) period).

Project Phase

The digital multi-purpose range (DMPRC) red-cockaded woodpecker (RCW) home range and habitat use-monitoring project is currently in Phase II (post harvest/construction of range). It was estimated that Phase II would take two years to be completed; however, the construction process is currently behind schedule due to construction planning and environmental protection compliance issues. As a result, Phase II of the DMPRC RCW home range and habitat use-monitoring project is still in progress.

General Project Methodology (Slide 3)

Slide 3 lists the general methodology followed during the non-breeding season home range part of the RCW DMPRC monitoring project.

RCW Non-Breeding Season Habitat Use (Slide 4)

Collecting RCW location data at 30-minute intervals using a GPS unit and processing the data using Fixed Kernel Density Estimation (FKDE) to estimate home ranges has proven to work very well. Final home ranges have not been estimated yet. After RCW home ranges are sufficiently estimated, timber stands located within home ranges will be inventoried to correlate RCW habitat use with various habitat characteristics.

RCW Cluster Activity Status Pre and Post DMPRC Timber Harvest (Slide 5)

Table 1. on slide 5 lists cluster activity status during the 2004 through 2007 breeding seasons and the first month (April) of the 2008 breeding season. It is unclear if the DMPRC timber harvest led to the inactivity of two clusters during the 2005 breeding season. If the timber harvest were responsible, it is possible that the inactivity could have been a temporary response to the timber harvest considering all clusters were active in 2005. Cluster D14-04 went inactive before the 2007 breeding season and is still inactive to date.

See comments beneath Table 1.

DMPRC RCW Home Range Data Using Fixed Kernel Density Estimation: Mean Home Range Size (December 2004 to March 2008) (Slide 6)

The estimated mean (average) size of 11 home ranges was 192.88 acres as of March 2008. The D14-04 data will be represented independently from the pool of home range data in the future since the cluster is still inactive.

Note the differences between home range and foraging partition sizes.

DMPRC Home Range Map (Slide 7)

Figure 1. illustrates all estimated home ranges of eleven RCW groups located around the edge of the DMPRC footprint. Most significantly, the D14-04 home range indicates RCW(s) continued to forage in patches of timber left inside the boundary of the DMPRC during Phase II. Ultimately, the D14-04 RCW group abandoned the cluster.

RCW Group Composition Data: Pre-Timber Harvest (2004 Breeding Season) and Post Timber Harvest (2005, 2006 and 2007 Breeding Seasons) (Slide 8)

Table 3. on slide 8 lists pre and post timber harvest breeding season group composition data. Note that the total number of breeding pairs in 2004 was ten and decreased to seven in 2005, and increased back to 10 in 2006 and stayed the same in 2007. It is difficult to determine if the DMPRC timber harvest was responsible for any of the changes in RCW group composition other than the group composition of D14-04. Cluster D14-04 contained two adults (breeding pair) in 2004 and no RCWs during the breeding season thereafter.

See comments at bottom of Table 3.

RCW Group Spatial Distribution and Dispersal (Slide 9)

Slide nine lists the general methodology for determining RCW group spatial distribution and dispersals. One major question is “Does the DMPRC fragment RCW habitat to the degree that typical RCW dispersal and spatial distribution are significantly interfered with?”

Cluster Locations and Possible RCW Dispersal Directions Across the DMPRC (Slide 10)

Slide ten Figure 2. shows possible (but not probable for the most part) RCW dispersal patterns across the DMPRC (assuming birds flew a straight line between consecutive locations). No RCW group member was actually observed flying across the DMPRC except for a bird from D14-04.

Work to be Conducted Prior to DMPRC Live Fire Training (Slide 11)

Slide ten lists work to be conducted prior to Phase III (Operation phase. Live fire training exercises). The timber stand/home range-RCW habitat inventory work should start in fall 2009.

Work to be Conducted Post DMPRC Live Fire Training (Slide 12)