

## LTBMU Annual Soil and Water BMP Monitoring Report for FY15

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### Accomplishments

The LTBMU completed seven National BMP evaluations at seven sites, towards meeting the USFS national target of 12 evaluations per Forests between FY15 and 16. At five of these sites, National evaluations were paired with comparable Regional BMP evaluations. There is no comparable regional BMPEP evaluation that can be matched with the National Facilities-Fac\_B evaluation or Water Uses Management-WatUses\_A evaluation.

### Results

The scoring results are presented in the table below:

Site	National Evaluation Protocol	National Evaluation Score* (Implemented/Effective/Composite)	Regional Evaluation Protocol	Regional Evaluation Score
Echo Summit Gas X Avalanche System Construction	Fac_B	Fully/ <b>Effective</b> /Excellent	N/A	N/A
Zephyr Cove Induction Well Operation and Maintenance	WatUses_A	Fully/ <b>Mostly</b> /Good	N/A	N/A
Kaspian Campground Operations and Maintenance	Rec_A	Mostly/ <b>Effective</b> /Excellent	R22	Implemented/Effective
Road 16N74 Operations and Maintenance	Road_C	Fully/ <b>Marginal</b> /Fair	E08/E09	Implemented/Effective
Secret Harbor Parking Lot Operations and Maintenance	Road_H	No BMPs/ <b>Effective</b> /No Plan	R22	Implemented/Effective
Homer CTL-Unit #1189	Veg_C	Fully/ <b>Effective</b> /Excellent	T01/T02	Implemented/Effective
Angora Creek Channel Restoration Project Construction	Aqeco_A	Fully/ <b>Mostly</b> /Good	E13	Implemented/Effective

\*Refer to Draft National BMP Monitoring Technical Guide for explanation of Scoring

As can be seen from the table above, most of the evaluations rated BMPs as effective in preventing adverse impacts to soil and water quality. The National BMP evaluations are much more rigorous in

evaluating success then the Regional BMPEP program, and also encourage more thorough documentation of recommended corrective actions.

### **Future Actions**

Based on the above evaluations the LTBMU is planning the following corrective or adaptive management actions.

- Document in INFRA database that the existing deferred maintenance need related to fixing cracks in the pavement surface at Secret Harbor Parking lot was inspected, and this maintenance need still exists. *(Currently no documentation regarding when this site was last inspected, but the maintenance need at this site does not present a threat to soil or water quality)*
- Plan and implement BMPs to arrest down slope erosion documented on Road 16N74. *(Runoff not yet reaching channel, but has entered the SEZ, see photo below).*
- Carefully plan mechanical equipment access routes on future stream channel restoration sites where very wet soils become an issue. *(This is not a common occurrence, but the encapsulated access road at the Angora Creek Restoration Project created depression in unexpected very wet meadow surface, requiring placement of wood debris to disrupt surface flow as mitigation).*

The LTBMU plans to complete five site evaluations in FY 16, to complete the total National target assigned for this FY15/16 time period. At this time the LTBMU is planning to conduct the following national/regional evaluations in 2016; Aqeco\_A/E13 (1), Aqeco\_B/V29 (1), WatUses\_B./NA (1) and Veg\_C/T01 and T02 (2).



**Rill downslope of Road 16N74 on north shore of LTBMU.**