



UNRBA  
Nutrient Credit  
Development  
Project  
PFC Meeting  
September 2015



September 1, 2015

# Task 1: Status Update on Credit Development



## Batch 1 Practices: filter strips with design variants, infiltration devices, and soil amendment

- Previous meetings with DWR and DEMLR staff on June 25<sup>th</sup> and July 20<sup>th</sup> resulted in revisions to the review process
- Follow up meeting is scheduled for this afternoon to further define the roles and responsibilities
- Filter strips – will begin drafting the practice standard after roles have been defined with the agency
- Infiltration devices –practice standard has been drafted but we are delaying release until JFSAT errors have been resolved
- Soil amendment – meeting scheduled with Deanna Osmond and Rich McLaughlin on September 16<sup>th</sup> to get technical input



## Review of Upcoming Practice Standards

- Draft practice standards to be reviewed by multiple organizations
  - UNRBA PFC
  - NSAB
  - DWR/DMLR
- Cloud-based file sharing would allow for editing and commenting by multiple reviewers in one document
  - Several options are available
  - Best option depends on what versions of MS Word is being used
  - What versions of MS Word are the PFC members using?



## Batch 2 Practices: bioretention with design variants, land conservation, and pervious area nutrient management

- Preliminary documents were submitted to the SME in late May
- We are anticipating comments back soon
- We will revise preliminary documents and submit to agency staff in August with discussion in September
- Begin drafting practice standards in October



## Batch 3 Practices: livestock exclusion, riparian buffers, and elimination of illicit discharges

- Livestock exclusion and riparian buffers
  - Drafting preliminary documents for SME (including Deanna Osmond) review in September
- Elimination of illicit discharges
  - Awaiting local data from the City of Durham
- Riparian buffers
  - Drafting preliminary documents for SME review in September (including Deanna Osmond)
  - Continue to track the information provided by the PFC members as it pertains to regulatory or technical issues

Practice Development Schedule			
Task	Batch 1	Batch 2	Batch 3
Preliminary documents to SME	<b>April</b>	<b>May</b>	September
Receive SME feedback	<b>May</b>	August	October+
Preliminary documents to DWR/DEMLR and Discussion	<b>June-September</b>	September	November+
Draft full documents	August & September	October & November	December & January+
Informal Review (PFC, NSAB, DWR)	October	December	February
Address comments and submit to PFC for approval of release to DWR	November	January	March
Submit to DWR for formal review process	December	February	April

**Bold** items are completed.

+Schedule for Batch 3 practices will be determined by timing of data acquisition.

## Task 2: Status of Work for Credit Calculation Tool





## Status of Tool Development

- CWP has developed the proposed framework for the UNRBA Tool
  - Inputs / data reader
  - Calculation steps for structural practices
  - Potential reporting elements for implemented practices
- Kickoff meeting of the Task Force is scheduled for September 2<sup>nd</sup> from 1 to 5 pm in Raleigh
  - Discuss data reader / compatibility with multiple JFSAT versions
  - Discussion of supplemental features
  - Reporting requirements and summary formats



## Tab List (Currently)

- Instructions
- Jurisdiction Data
- JFSAT
- Nonstructural Measures
- Potential Supplemental Features
- Results Summary
- Calculation Defaults (Hidden Tab)
- Data Collection and Tab Lists (Hidden Tabs)



## Jurisdiction Data Tab

User Data - Entry	
Jurisdiction	
Implementation Year	
Staff Person	
Notes	

Delivery Ratios by Watershed		
Watershed <input type="text"/>	TN <input type="text"/>	TP <input type="text"/>
BDC	52%	21%
ELC	89%	98%
ENR1	99%	99%
ENR2	87%	98%
ENR3	73%	96%
ENR3b	72%	96%
ENR4	68%	96%
ENR5a	32%	16%
ENR5b	36%	19%
FLR1	87%	57%
FLR2a	72%	56%
FLR2b	73%	56%
FLR2c	74%	56%
HCC	97%	100%
HSE	92%	99%
KRC1	95%	99%
KRC2	48%	19%
LAU	97%	100%
LBC	96%	100%
LGE1	96%	99%
LGE2	99%	95%

### User Enters:

- Jurisdiction
- Implementation Year
- Staff Person
- Notes
- N/P Reduction Targets (currently blank)

### Other Data:

- Watershed TN/TP Delivery Ratios

Target Delivered Nutrient Reductions		
Stage <input type="text"/>	TN <input type="text"/>	TP <input type="text"/>
Stage 1		
Stage 2		



## JFSAT Tab

- Reads in data from JFSAT
- User enters supplemental data for each practice
- Summary table (by practice group)
  - Total and Delivered TN/TP removal and Annual Cost.

Update Results Table

### Summary by Practice Group

Practice Group	Total TN Removal (lbs/yr)	Delivered TN Removal (lbs/year)	Total TP Removal (lbs/yr)	Delivered TP Removal (lbs/year)	Annual Cost (\$)	Construction Cost (\$)
Bioretention	0	0	0	0	0	0
Swale	0	0	0	0	0	0
Green Roof	0	0	0	0	0	0
Wetland	0	0	0	0	0	0
Permeable Pvmnt	0	0	0	0	0	0
Pond	0	0	0	0	0	0
Filter	0	0	0	0	0	0
Water Harvesting	0	0	0	0	0	0



UNRBA Tool Development Schedule												
	<i>Batch 1</i>					<i>Batch 2</i>			<i>Batch 3</i>			
Final Review	<i>December</i>					<i>February</i>			<i>April</i>			
Tool Development	<b>Schedule Scoping – Draft - Final</b>											
	A	S	O	N	D	J	F	M	A	M	J	J
A. Modify WTM Framework	Active	Active	Active	Active	Light	Light	Light	Light	Light	Active	Light	Light
B. Calculation Methods	Light	Light	Active	Light	Light	Implement once final credit approach completes final review stage as noted above					Light	Light
C. Add in new Priority Measures	Light	Light	Light	Light	Light	Active	Active	Active	Active	Active	Light	Light
D. Summary Report and Tracking Implementation	Light	Light	Active	Active	Light	Light	Light	Light	Active	Active	Light	Light
E. Present Draft Tool Final Phase	Light	Light	Light	Light	Light	Light	Light	Light	Light	Light	Active	Light
F. Presentation Final Tool	Light	Light	Light	Light	Light	Light	Light	Light	Light	Light	Light	Active
G. Develop User Guidance	Light	Light	Light	Light	Active	Light	Light	Light	Active	Active	Active	Light



# Discussion, Questions, and Feedback Welcome



CENTER FOR  
**WATERSHED**  
PROTECTION

