





UNRBA
Nutrient Credit
Development
Project
PFC Meeting
July 2017















### Review Earlier Submittals to Support Credit Development

- Screening Analysis available at the UNRBA credits website
  - Screened 55 potential measures for data quality and implementation potential
  - Selected priority measures for credit development
- Trapping Analysis available at the UNRBA credits website
  - Estimated trapping and delivery factors for 12-digit HUCs
  - Used USGS SPARROW modeling to account for stream and reservoir transformations
- Nutrient Removal Database for Priority Measures
  - Summarizes pollutant removal data for more than 150 publications
  - Delivered electronically to the Executive Director











## Status of Completed Practices

Practice	Final Approved by PFC	Public Comment Complete	Director Signature or in DEMLR BMP Manual/Crediting
Bioretention design variants	$\checkmark$	$\checkmark$	$\checkmark$
Level spreader filter strip design variants	$\checkmark$	$\checkmark$	$\checkmark$
Infiltration devices (over/under sizing)	$\checkmark$	$\checkmark$	$\checkmark$
Soil improvement with pervious area nutrient management	$\checkmark$	$\checkmark$	$\checkmark$
Cattle exclusion	$\checkmark$	$\checkmark$	$\checkmark$
Removal of illicit discharges	$\checkmark$	$\checkmark$	$\checkmark$
Land conservation	$\checkmark$	NA	See status update
Buffer improvement in developed areas	$\checkmark$	$\checkmark$	See status update



#### Land Conservation Credit--Status of DEQ Discussions

- Met with DEQ Secretary and leadership team on April 3, 2017
- Met with Sheila Holman on June 22 and plan to follow-up that meeting on July 28 to discuss policy options
- Proposed UNRBA changes to Senate Bill 434 to allow credit were removed from latest draft









## Status of Buffer Improvement in Developed Areas

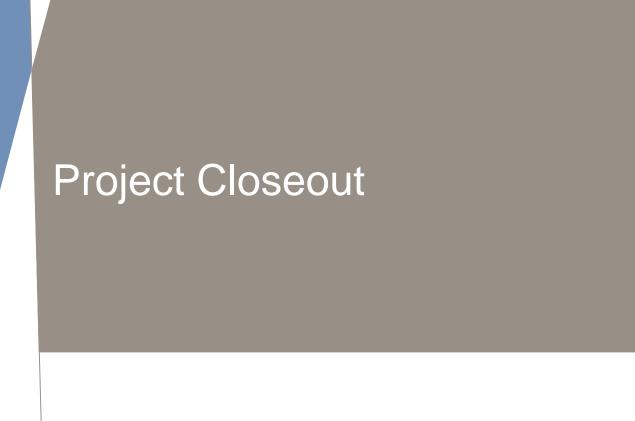
- Received comments during the public comment period which ended in early May
- Discussed next steps with DWR on June 22<sup>nd</sup>
  - DWR to revise document based on public comments
    - Method of credit calculation unlikely to change
    - · Discount factors may be revised
    - May allow 100% enhancement projects rather than 50% limit
  - Send to UNRBA and NSAB for review and input before sending to Division of Mitigation Services (likely meeting in August with DMS and DWR)
  - Send back out for public comment
  - Finalize and include in the DWR model program & catalogue of practices

# Tool Development



### Status of UNRBA Credit Tool and User Guide

- PFC approved Tool and User Guide at the June 7<sup>th</sup> meeting
- Final documents will be posted on the UNRBA credits website:
   <a href="https://www.unrba.org/nutrient-credit-program">https://www.unrba.org/nutrient-credit-program</a>











## **Project Closeout**

- Closeout memorandum will be submitted to Executive Director along with final invoice
- Six practices are approved for use in the Falls and Jordan Lake watersheds
  - Three practices are also approved for use on new development
- Two practices are still under consideration by DEQ
- The UNRBA Credit Tool is available for use









### Acknowledgements

- This project was a collaboratively effort with invaluable input from
  - UNRBA members
  - Agency staff
  - Subject matter experts/university researchers
  - Members of the Watershed Oversight Committee
  - Members of the Nutrient Scientific Advisory Board
- Collaborative approach reflects the best science and consideration of implementation issues
- Many Thank You's to all who participated!



