

Mitigation Project Name	Shake Rag Branch	USACE Action ID	2017-01570
DMS ID	100018	DWR Permit	2017-1157
River Basin	French Broad	Date Project Instituted	5/17/2017
Cataloging Unit	06010105	Date Prepared	4/17/2023
County	Madison	Stream/Wet. Service Area	French Broad 06010105


Signature of Official Approving Credit Release

- 1 - For NCDMS, no credits are released during the first milestone (Site Establishment).
2 - For NCDMS projects, the initial credit release milestone occurs when the as-built report (baseline monitoring report) has been approved by the NCIRT and posted to the NCDMS Portal, provided the following criteria are met:
 1) Approval of Final Mitigation Plan;
 2) Recordation of the preservation mechanism, as well as a title opinion acceptable to the USACE covering the property;
 3) Completion of all physical and biological improvements to the mitigation site pursuant to the mitigation plan;
 4) Receipt of necessary DA permit authorization or written DA approval for projects where DA permit issuance is not required.
3 - A 10% reserve of credits is to be held back until the bankfull event performance standard has been met.

Credit Release Milestone	Cold Stream Credits							
	Project Credits	Scheduled Releases %	Estimated Scheduled Release #	Proposed Released #	Not Approved # Releases	Approved Credits	Anticipated Release Year	Actual Release Date
1 - Site Establishment	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2 - Year 0 / As-Built	30.00%	1,996.680	1,996.680	0.000	1,996.680	2020	4/27/2020	
3 - Year 1 Monitoring	10.00%	665.560	665.560	0.000	665.560	2021	5/10/2021	
4 - Year 2 Monitoring	10.00%	665.560	665.560	0.000	665.560	2022	4/18/2022	
5 - Year 3 Monitoring	10.00%	665.560	665.560	0.000	665.560	2023	4/17/2023	
6 - Year 4 Monitoring	5.00%	332.780				2024		
7 - Year 5 Monitoring	10.00%	665.560				2025		
8 - Year 6 Monitoring	5.00%	332.780				2026		
9 - Year 7 Monitoring	10.00%	665.560				2027		
Stream Bankfull Standard	10.00%	665.560				2024		
				Totals		3,993.360		

Total Gross Credits	6,655.600
Total Unrealized Credits to Date	0.000
Total Released Credits to Date	3,993.360
Total Percentage Released	60.00%
Remaining Unreleased Credits	2,662.240

Notes

Contingencies (if any)

Project Quantities

Mitigation Type	Restoration Type	Physical Quantity
Cold Stream	Restoration	4,986.000
Cold Stream	Enhancement I	663.000
Cold Stream	Enhancement II	2,884.000
Cold Stream	Preservation	740.000

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							Cold Stream Restoration Credits	Cold Stream Restoration Equivalent Credits
Beginning Balance (mitigation credits)							6,581.600	74.000
Released Credits							3,948.960	44.400
Unrealized Credits							0.000	0.000
Converted Credits							0.000	0.000
Owning Program	Req. Id	TIP #	Project Name	USACE Permit #	DWR Permit #	DCM Permit #		
NCDOT Stream & Wetland ILF Program	REQ-005374	B-4183	Bridges 28 & 29 on SR 1526	2011-00417			260.000	
NCDOT Stream & Wetland ILF Program	REQ-005490	B-4989	Bridge 148 on SR 1325 over Lamance Creek	2008-01334			53.000	
NCDOT Stream & Wetland ILF Program	REQ-005681		SR 1344 Improvements - Division 14	2012-01775			83.880	
NCDOT Stream & Wetland ILF Program	REQ-005927	B-4182	Bridge 246 on SR 1503	2012-01773			134.000	
NCDOT Stream & Wetland ILF Program	REQ-005929	R-2518A	R-2518A - US 19 Improvements	2007-02197-300, 2007-02197-357	2007-1134		1,443.600	
NCDOT Stream & Wetland ILF Program	REQ-007237	A-0010C / A-0010D	US 19/23 Widening	1995-05135	1996-0470		640.303	
Statewide Stream & Wetland ILF Program	REQ-004955		Traditions	2008-02246	2008-0675		18.857	
Statewide Stream & Wetland ILF Program	REQ-004482		Chimney Laurel	2008-01995	2008-1000		17.857	
NCDOT Stream & Wetland ILF Program	REQ-007237	A-0010C / A-0010D	US 19/23 Widening	1995-05135	1996-0470		639.303	
NCDOT Stream & Wetland ILF Program	REQ-007237	A-0010C / A-0010D	US 19/23 Widening	1995-05135	1996-0470			22.200
NCDOT Stream & Wetland ILF Program	REQ-007237	A-0010C / A-0010D	US 19/23 Widening	1995-05135	1996-0470			7.400
NCDOT Stream & Wetland ILF Program	REQ-007237	A-0010C / A-0010D	US 19/23 Widening	1995-05135	1996-0470			7.400
Remaining Balance (Released credits)							658.160	7.400
Remaining Balance (Unreleased credits)							2,632.640	29.600
Total Remaining Balance (Released and Unreleased credits)							3,290.800	37.000