

Mitigation Project Name	Crooked Creek #2	USACE Action ID	2011-02201
DMS ID	94687	DWR Permit	2012-0064
River Basin	Yadkin	Date Project Instituted	12/10/2010
Cataloging Unit	03040105	Date DRAFT Prepared	1/10/2022
County	Union	Stream/Wet. Service Area	Yadkin 03040105

Signature of Official Approving Credit Release

- 1 - For NCDMS, no credits are released during the first milestone
2 - For NCDMS projects, the initial credit release milestone occurs automatically when the as-built report (baseline monitoring report) has been made available to the IRT by posting it to the DMS portal, provided the following have been met:
- 1) Approved 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	Warm 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
2 - Year 0 / As-Built	30.00%	1,046.880	1,046.880	0.000	1,046.880	2016	5/18/2016
3 - Year 1 Monitoring	10.00%	348.960	348.960	0.000	348.960	2017	8/8/2017
4 - Year 2 Monitoring	10.00%	348.960	348.960	174.480	174.480	2018	8/10/2018
5 - Year 3 Monitoring	10.00%	348.960	348.960	348.960	0.000	2019	7/19/2019
6 - Year 4 Monitoring	10.00%	348.960	662.110	0.000	662.110	2020	6/16/2020
7 - Year 5 Monitoring			486.330	486.330	0.000	2021	5/10/2021
8 - Year 6 Monitoring	15.00%	486.330	0.000	486.330	0.000	2022	1/10/2022
9 - Year 7 Monitoring						2023	
Stream Bankfull Standard	15.00%	523.440	523.440	0.000	523.440	2018	8/10/2018
			Totals		2,755.870		

Total Gross Credits	3,489.600
Total Unrealized Credits to Date	247.400
Total Released Credits to Date	2,755.870
Total Percentage Released	78.97%
Remaining Unreleased Credits	486.330

Credit Release Milestone	Riparian 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
2 - Year 0 / As-Built	30.00%	2.520	2.550	0.000	2.550	2016	5/18/2016
3 - Year 1 Monitoring	10.00%	0.840	0.850	0.000	0.850	2017	8/8/2017
4 - Year 2 Monitoring	10.00%	0.840	0.850	0.425	0.425	2018	8/10/2018
5 - Year 3 Monitoring	15.00%	1.260	1.635	0.629	1.006	2019	4/26/2019
6 - Year 4 Monitoring	5.00%	0.420	1.049	0.000	1.049	2020	6/16/2020
7 - Year 5 Monitoring	15.00%	1.260	0.000	1.260	0.000	2021	5/10/2021
8 - Year 6 Monitoring	5.00%	0.420	0.000	0.420	0.000	2022	1/10/2022
9 - Year 7 Monitoring	10.00%	0.840				2023	
Stream Bankfull Standard	N/A	N/A	N/A	N/A	N/A	N/A	N/A
			Totals		5.880		

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Total Gross Credits	8.400
Total Unrealized Credits to Date	0.000
Total Released Credits to Date	5.880
Total Percentage Released	70.00%
Remaining Unreleased Credits	2.520

Notes

4/25/2018: IRT concerned about hydrology and vegetation success, decided to hold 1/2 of the stream and wetland credits for Year 2 monitoring. 5% of the stream and wetland credits were released.

3/15/2019: Adjustment required due to IRT concerns on how the as-built credits were calculated.

7/19/2019: DMS determined the scheduled stream credits from Year 3 monitoring and the remaining 5% from Year 2 monitoring would not be requested for release at this time due to concerns that assets currently at risk will ultimately be unrealized. Wetland credits approved for half of the proposed release.

3/20/2020: DMS is requesting the release of stream credits associated with Year 2, 3, and 4 monitoring which will bring the stream credit releases up to date. The proposed amount includes adjustments required for the permanent loss of 247.0 stream credits.

6/16/2020: All stream and wetland credits proposed for release were approved.

2/17/2021: Upon review of the year 5 monitoring report, DMS has concerns on some of the wetland mitigation credits. Therefore, DMS will not seek a release for the wetland credits during this cycle. DMS will review the data after the 2021 monitoring period and decide whether or not some of the wetland credits will be unrealized.

5/10/2021: As discussed at the 2021 office Credit Release meeting, the remaining stream credits will not be released until final close out. The riparian wetland credits proposed for release this year were also withheld due to half of the monitoring wells not meeting success criteria.

01/10/2022: As recently discussed with the IRT and in the interest of not over-releasing the stream and/or wetland credits, DMS is withholding all remaining unreleased stream and wetland credits until project close out with the IRT.

Contingencies (if any)

Project Quantities

Mitigation Type	Restoration Type	Physical Quantity
Warm Stream	Restoration	1,718.000
Warm Stream	Enhancement II	4,429.000
Riparian	Restoration	6.600
Riparian	Creation	3.900
Riparian	Enhancement	1.000

Debits

							Warm Stream Restoration Credits	Riparian Restoration Credits	Riparian Restoration Equivalent Credits
Beginning Balance (mitigation credits)							3,489.600	7.900	0.500
Released Credits							2,755.870	5.530	0.350
Unrealized Credits							247.400	0.000	0.000
Converted Credits							0.000	0.000	0.000
Owning Program	Req. Id	TIP #	Project Name	USACE Permit #	DWR Permit #	DCM Permit #			

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NCDOT Stream & Wetland ILF Program	REQ-006399	B-5243	Bridge 258 on SR 1008	2015-01726	2015-0719		308.000		
NCDOT Stream & Wetland ILF Program	REQ-007148	U-3440	NC 3 Widening	2012-00417	2016-0605		19.200		
NCDOT Stream & Wetland ILF Program	REQ-007422	R-2248E	I-485 - Charlotte Outer Loop	2011-01237	2011-0431		1,068.640		
NCDOT Stream & Wetland ILF Program	REQ-006144	P-5208A, P-5208C, P-5208G	RR Improvements from Haydock to Junker	2010-01630				0.080	
NCDOT Stream & Wetland ILF Program	REQ-006299	R-2559, R-3329	R-2559 - R-3329 - Monroe Bypass/Connector	2009-00876	2002-0672			0.295	
NCDOT Stream & Wetland ILF Program	REQ-006299	R-2559, R-3329	R-2559 - R-3329 - Monroe Bypass/Connector	2009-00876	2002-0672			1.190	
NCDOT Stream & Wetland ILF Program	REQ-006299	R-2559, R-3329	R-2559 - R-3329 - Monroe Bypass/Connector	2009-00876	2002-0672			0.302	
NCDOT Stream & Wetland ILF Program	REQ-007415	U-5608	U-5608 - SR 1211 Extension	2014-01460				0.240	
NCDOT Stream & Wetland ILF Program	REQ-007424	R-2248E	I-485 - Charlotte Outer Loop	2011-01237	2011-0431			0.888	
NCDOT Stream & Wetland ILF Program	REQ-007424	R-2248E	I-485 - Charlotte Outer Loop	2011-01237	2011-0431			0.568	
NCDOT Stream & Wetland ILF Program	REQ-007424	R-2248E	I-485 - Charlotte Outer Loop	2011-01237	2011-0431			0.987	
NCDOT Stream & Wetland ILF Program	REQ-007427	R-2123CE	I-485 / I-85 Interchange	2011-01237	2011-0431			0.790	
NCDOT Stream & Wetland ILF Program	REQ-007498	P-5704	Stouts Siding Extension	2016-00248	2017-1250			0.190	
NCDOT Stream & Wetland ILF Program	REQ-007424	R-2248E	I-485 - Charlotte Outer Loop	2011-01237	2011-0431				0.063
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NCDOT Stream & Wetland ILF Program	REQ-007424	R-2248E	I-485 - Charlotte Outer Loop	2011-01237	2011-0431				0.225
Remaining Balance (Released credits)							1,360.030	0.000	0.000
Remaining Balance (Unreleased credits)							486.330	2.370	0.150
Total Remaining Balance (Released and Unreleased credits)							1,846.360	2.370	0.150