

Mitigation Project Name	Owen Farms	USACE Action ID	2018-01165
DMS ID	100064	DWR Permit	2018-1033
River Basin	French Broad	Date Project Instituted	4/25/2018
Cataloging Unit	06010105	Date DRAFT Prepared	2/15/2022
County	Transylvania	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 bankful event performance standard has been met.

Credit Release Milestone	Cold Stream 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%	1,513.168	1,513.168	0.000	1,513.168	2021	6/29/2021
3 - Year 1 Monitoring	10.00%	504.389	504.389			2022	
4 - Year 2 Monitoring	10.00%	504.389				2023	
5 - Year 3 Monitoring	10.00%	504.389				2024	
6 - Year 4 Monitoring	5.00%	252.195				2025	
7 - Year 5 Monitoring	10.00%	504.389				2026	
8 - Year 6 Monitoring	5.00%	252.195				2027	
9 - Year 7 Monitoring	10.00%	504.389				2028	
Stream Bankfull Standard	10.00%	504.390				2025	
<b>Totals</b>					1,513.168		

<b>Total Gross Credits</b>	5,043.893
<b>Total Unrealized Credits to Date</b>	0.000
<b>Total Released Credits to Date</b>	1,513.168
<b>Total Percentage Released</b>	30.00%
<b>Remaining Unreleased Credits</b>	3,530.725

Credit Release Milestone	Riparian 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%	0.530	0.530	0.000	0.530	2021	6/29/2021
3 - Year 1 Monitoring	10.00%	0.177	0.177			2022	
4 - Year 2 Monitoring	15.00%	0.177				2023	
5 - Year 3 Monitoring	15.00%	0.265				2024	
6 - Year 4 Monitoring	5.00%	0.088				2025	
7 - Year 5 Monitoring	15.00%	0.265				2026	
8 - Year 6 Monitoring	5.00%	0.088				2027	
9 - Year 7 Monitoring	10.00%	0.177				2028	
Stream Bankfull Standard	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Totals</b>					0.530		

<b>Total Gross Credits</b>	1.767
<b>Total Unrealized Credits to Date</b>	0.000
<b>Total Released Credits to Date</b>	0.530
<b>Total Percentage Released</b>	29.99%
<b>Remaining Unreleased Credits</b>	1.237

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Notes

Contingencies (if any)

Project Quantities

Mitigation Type	Restoration Type	Physical Quantity
Cold Stream	Restoration	3,180.000
Cold Stream	Enhancement I	125.000
Cold Stream	Enhancement II	5,047.000
Cold Stream	Preservation	423.000
Riparian	Restoration	1.320
Riparian	Enhancement	1.540

Debits

							Cold Stream Restoration Credits	Cold Stream Restoration Equivalent Credits	Riparian Restoration Credits	Riparian Restoration Equivalent Credits
<b>Beginning Balance (mitigation credits)</b>							<b>5,001.593</b>	<b>42.300</b>	<b>0.997</b>	<b>0.770</b>
<b>Released Credits</b>							<b>1,500.478</b>	<b>12.690</b>	<b>0.299</b>	<b>0.231</b>
<b>Unrealized Credits</b>							<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
<b>Converted Credits</b>							<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
Owning Program	Req. Id	TIP #	Project Name	USACE Permit #	DWR Permit #	DCM Permit #				
NCDOT Stream & Wetland ILF Program	REQ-007237	A-0010C / D	US 19 / 23 Widening	1995-05135	1996-0470		1,550.478			
NCDOT Stream & Wetland ILF Program	REQ-007237	A-0010C / D	US 19 / 23 Widening	1995-05135	1996-0470			12.690		
<b>Remaining Balance (Released credits)</b>							<b>0.000</b>	<b>0.000</b>	<b>0.299</b>	<b>0.231</b>
<b>Remaining Balance (Unreleased credits)</b>							<b>3,501.115</b>	<b>29.610</b>	<b>0.698</b>	<b>0.539</b>
<b>Total Remaining Balance (Released and Unreleased credits)</b>							<b>3,501.115</b>	<b>29.610</b>	<b>0.997</b>	<b>0.770</b>