North Carolina Nine (9) Element Checklist

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| Watershed | Upper Rocky River (YadkinRB) | | | |
| Applicant Name | Division of Mitigation Services | | | |
| Contact Person/Title | Anjie Ackerman | | | |
| Address | Raleigh, | | | |
| Phone Number/Email |  | | | |
| Date of Submittal |  | | | |
| Plans using to document the Nine (9) Elements required for 319 funding? Please provide full reference | | | | |
| Name of Plan(s) | | Author/Developer | Year | Link/Location |
| Upper Rocky River/Clarke Creek LWP – Exec Summary | | NCDENR – Division of Mitigation Services | Jan 2004 | <http://portal.ncdenr.org/c/document_library/get_file?uuid=87bc48a9-2e37-4eee-9231-e3fbb4b370f5&groupId=60329> |
| Upper Rocky River/Clarke Creek LWP | | NCDENR – Division of Mitigation Services | Jan 2004 | <http://portal.ncdenr.org/c/document_library/get_file?uuid=43740b62-0bc4-46bd-b180-e42f625a296c&groupId=60329> |
| Upper Rocky R WS Management Plan and Recs | | NCDENR – Division of Mitigation Services | Nov 2004 | <http://portal.ncdenr.org/c/document_library/get_file?uuid=bf97d970-f237-43f0-be8c-783d60e22b85&groupId=60329> |
| Upper Rocky R WS Improvement Projs | | NCDENR – Division of Mitigation Services | Oct 2004 | <http://portal.ncdenr.org/c/document_library/get_file?uuid=1c69f4cc-b55e-4c86-9c71-33bdc6ebe625&groupId=60329> |
| Upper Rocky R Findings and Recs Summary | | NCDENR – Division of Mitigation Services | Nov 2004? | <http://portal.ncdenr.org/c/document_library/get_file?uuid=0171be16-696a-450c-8f86-026ffe84c2f4&groupId=60329> |
|  | | NCDENR – Division of Mitigation Services |  |  |

### Once completed, please submit your checklist to Heather Jennings at [he athe r.b.j e nni ngs@nc de nr.gov .](mailto:heather.b.jennings@ncdenr.gov) DWR will conduct an internal review and notify you when the plan has been determined to meet all of the 9 Elements and is eligible for Section 319 Grant implementation funding. As they are approved, they will be listed on DWR’s list of 319 watershed pl ans at <http://portal.ncdenr.org/web/wq/ps/nps/319program/nc-watershed-plans>

### If you are developing a plan that you are hoping to submit to 319 in the same year, please contact Heather Jennings by [e m ai l](mailto:heather.b.jennings@ncdenr.gov) or by phone at (919) 807-6437. Your plan will need to be submitted for approval at least 45 days prior to the 319 Grant application due date.

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| **1. Identification of the Causes and Sources Checklist** | **Yes** | **No** | **Notes** | **Identify location of information (include link or attach plan and identify section and page number)** |
| **REQUIRED (This box(es) below must be checked Yes in order to be eligible as a 9 Element pl an)** | | | | |
| Does the plan(s) identify stressors and  sources in the watershed? | x |  |  | Upper Rocky River/Clarke Creek LWP (chaps 2&3)  <http://portal.ncdenr.org/c/document_library/get_file?uuid=43740b62-0bc4-46bd-b180-e42f625a296c&groupId=60329>  Upper Rocky R Findings and Recs Summary (Table 1 p. 2)  <http://portal.ncdenr.org/c/document_library/get_file?uuid=0171be16-696a-450c-8f86-026ffe84c2f4&groupId=60329> |
| **OPTIONAL (Supplemental and/or supporting information)** | | | | |
| Was a GIS desktop analysis performed? | x |  |  | Upper Rocky River/Clarke Creek LWP <http://portal.ncdenr.org/c/document_library/get_file?uuid=43740b62-0bc4-46bd-b180-e42f625a296c&groupId=60329> |
| Has existing water quality or biological data been reviewed?   * Ambient water quality data * USGS data * Other? | x |  |  | Upper Rocky River/Clarke Creek LWP <http://portal.ncdenr.org/c/document_library/get_file?uuid=43740b62-0bc4-46bd-b180-e42f625a296c&groupId=60329> |
| Does the plan(s) identify any water  quality impairments in this watershed (303(d) list)? | x |  |  | Upper Rocky River/Clarke Creek LWP (chaps 2&3,Fig 5-1)  <http://portal.ncdenr.org/c/document_library/get_file?uuid=43740b62-0bc4-46bd-b180-e42f625a296c&groupId=60329> |
| Has a field assessment been  conducted?   * CWP (Center for Watershed Protection) Method * EEP (Ecosystem Enhancement Program) Manual * Other? | x |  |  | Upper Rocky River/Clarke Creek LWP (chaps 2&3)  <http://portal.ncdenr.org/c/document_library/get_file?uuid=43740b62-0bc4-46bd-b180-e42f625a296c&groupId=60329> |
| Does the plan indicate if a TMDL has  been developed for this watershed? | x |  |  | Upper Rocky River/Clarke Creek LWP (chap 3)  <http://portal.ncdenr.org/c/document_library/get_file?uuid=43740b62-0bc4-46bd-b180-e42f625a296c&groupId=60329> |
| Does the plan(s) include a map that  shows where stressors and sources are concentrated? | x |  |  | Upper Rocky River/Clarke Creek LWP (chap 4)  <http://portal.ncdenr.org/c/document_library/get_file?uuid=43740b62-0bc4-46bd-b180-e42f625a296c&groupId=60329> |

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| **2. Description of the NPS**  **Management Measures Checklist** | **Yes** | **No** | **Notes** | **Identify location of information (include link or**  **attach plan and identify section and page number** |
| **REQUIRED (This box(es) below must be checked Yes in order to be eligible as a 9 Element plan)** | | | | |
| Does the plan(s) identify management  measures that address the stressors and sources identified in Element 1? (*note: prioritization of projects would be considered to meet this element*) | x |  |  | Upper Rocky River/Clarke Creek LWP (chap 4)  <http://portal.ncdenr.org/c/document_library/get_file?uuid=43740b62-0bc4-46bd-b180-e42f625a296c&groupId=60329> |
| **3. Estimate of the load reductions expected for the management measures** | **Yes** | **No** | Notes | **Identify location of information (include link or attach plan and identify section and page number** |
| **REQUIRED (This box(es) below must be checked Yes in order to be eligible as a 9 Element plan)** | | | | |
| Have potential indicators been identified for each management measure to determine success? | x |  |  | Upper Rocky River/Clarke Creek LWP (chap 6)  <http://portal.ncdenr.org/c/document_library/get_file?uuid=43740b62-0bc4-46bd-b180-e42f625a296c&groupId=60329>  Upper Rocky R WS Management Plan and Recs(Table 9)  <http://portal.ncdenr.org/c/document_library/get_file?uuid=bf97d970-f237-43f0-be8c-783d60e22b85&groupId=60329> |
| Has it been roughly quantified how much each management measure will reduce one or more parameters identified in Element 1? | x |  |  | Upper Rocky R WS Improvement Projs (pp.40-106)  <http://portal.ncdenr.org/c/document_library/get_file?uuid=1c69f4cc-b55e-4c86-9c71-33bdc6ebe625&groupId=60329> |
| **OPTIONAL (Supplemental and/or supporting information)** | | | | |
| Has a water quality, watershed or lake response model been developed for this watershed? | x |  |  | Upper Rocky River/Clarke Creek LWP (chap 3)  <http://portal.ncdenr.org/c/document_library/get_file?uuid=43740b62-0bc4-46bd-b180-e42f625a296c&groupId=60329> |
| **4. Estimate of the technical and financial assistance needed** | Yes | No | Notes | **Identify location of information (include link or attach plan and identify section and page number** |
| **REQUIRED (This box(es) below must be checked Yes in order to be eligible as a 9 Element plan)** | | | | |
| Have the potential costs associated with management activities listed in the plan(s) been identified? | x |  |  | Upper Rocky R WS Management Plan and Recs(Chap 4, Table 5)  <http://portal.ncdenr.org/c/document_library/get_file?uuid=bf97d970-f237-43f0-be8c-783d60e22b85&groupId=60329> |
| Has the technical assistance that may be required to help with design, construction, implementation and monitoring of management strategies | x |  |  | Upper Rocky R WS Management Plan and Recs  pp. 85-86, 121-22, 154-55, 177-78  <http://portal.ncdenr.org/c/document_library/get_file?uuid=bf97d970-f237-43f0-be8c-783d60e22b85&groupId=60329> |

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| listed in the plan(s) been identified? |  |  |  |  |
| **OPTIONAL (Supplemental and/or supporting information)** | | | | |
| Have potential partners and funding sources to assist with implementation of the watershed plan(s) been identified and/or contacted? | x |  |  | Upper Rocky R WS Management Plan and Recs  <http://portal.ncdenr.org/c/document_library/get_file?uuid=bf97d970-f237-43f0-be8c-783d60e22b85&groupId=60329> |
| Have potential partners/funding  sources to assist with maintenance and/or monitoring (following completion) been identified? | x |  |  | Upper Rocky R WS Management Plan and Recs  <http://portal.ncdenr.org/c/document_library/get_file?uuid=bf97d970-f237-43f0-be8c-783d60e22b85&groupId=60329> |
| **5. Information/Education component** | Yes | No | Notes | **Identify location of information (include link or attach plan and identify section and page number** |
| **REQUIRED (This box(es) below must be checked Yes in order to be eligible as a 9 Element plan)** | | | | |
| Have a range of information and  education options been identified in the watershed plan? | x |  |  | Upper Rocky River/Clarke Creek LWP (chap 6)  <http://portal.ncdenr.org/c/document_library/get_file?uuid=43740b62-0bc4-46bd-b180-e42f625a296c&groupId=60329> |
| **OPTIONAL (Supplemental and/or supporting information)** | | | | |
| Have resource agencies that can be  integrated into the watershed planning process been identified and/or contacted? | x |  |  | Upper Rocky R WS Management Plan and Recs  <http://portal.ncdenr.org/c/document_library/get_file?uuid=bf97d970-f237-43f0-be8c-783d60e22b85&groupId=60329> |
| **6. Schedule for implementing**  **management measures** | Yes | No | Notes | **Identify location of information (include link or**  **attach plan and identify section and page number** |
| **REQUIRED (This box(es) below must be checked Yes in order to be eligible as a 9 Element plan)** | | | | |
| Have the tasks and activities that are related to the implementation and monitoring of management recommendations been identified? | x |  |  | Upper Rocky River/Clarke Creek LWP (chap 6)  <http://portal.ncdenr.org/c/document_library/get_file?uuid=43740b62-0bc4-46bd-b180-e42f625a296c&groupId=60329> |
| Has it been determined if these tasks  and activities are short-term, medium, or long-term in nature (*note: prioritization of projects is acceptable for meeting this element*)? | x |  |  | Upper Rocky River/Clarke Creek LWP (chap 4)  <http://portal.ncdenr.org/c/document_library/get_file?uuid=43740b62-0bc4-46bd-b180-e42f625a296c&groupId=60329>  Upper Rocky R WS Improvement Projs (Table 6)  <http://portal.ncdenr.org/c/document_library/get_file?uuid=1c69f4cc-b55e-4c86-9c71-33bdc6ebe625&groupId=60329> |

The plan will be approvable with comments on spreadsheet, keep in mind that load reductions associated with specific management measures should be included if you want to receive funding

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| **7. Description of interim, measurable milestones** | Yes | No | Notes | **Identify location of information (include link or attach plan and identify section and page number** |
| **REQUIRED (This box(es) below must be checked Yes in order to be eligible as a 9 Element plan)** | | | | |
| Have interim, measurable milestones  (things that you can track) that can help determine if management measures (in Element 2) are being implemented been identified? |  |  |  | Upper Rocky River/Clarke Creek LWP (chap 6)  <http://portal.ncdenr.org/c/document_library/get_file?uuid=43740b62-0bc4-46bd-b180-e42f625a296c&groupId=60329> |
| **8. Criteria that can be used to determine if loading reductions are being achieved** | Yes | No | Notes | **Identify location of information (include link or attach plan and identify section and page number** |
| **REQUIRED (This box(es) below must be checked Yes in order to be eligible as a 9 Element plan)** | | | | |
| Have criteria and/or indicators that can be used to determine if management strategies and activities listed in the plan(s) are being effective been identified? | x |  |  | Upper Rocky River/Clarke Creek LWP (chap 6)  <http://portal.ncdenr.org/c/document_library/get_file?uuid=43740b62-0bc4-46bd-b180-e42f625a296c&groupId=60329>  Upper Rocky R WS Management Plan and Recs(Table 9)  <http://portal.ncdenr.org/c/document_library/get_file?uuid=bf97d970-f237-43f0-be8c-783d60e22b85&groupId=60329> |
| **9. Monitoring** | Yes | No | Notes | **Identify location of information (include link or attach plan and identify section and page number** |
| **REQUIRED (This box(es) below must be checked Yes in order to be eligible as a 9 Element plan)** | | | | |
| Has a monitoring plan that includes  each of the criteria and/or indicators identified in Element 8 been developed? Mention WSS monitoring as part of SAMP | x |  |  | Upper Rocky River/Clarke Creek LWP (chap 6)  <http://portal.ncdenr.org/c/document_library/get_file?uuid=43740b62-0bc4-46bd-b180-e42f625a296c&groupId=60329> |
| **OPTIONAL (Supplemental and/or supporting information)** | | | | |
| Are there plans for conducting water  quality monitoring?   * Intensive/On-going? * Field kits? | x |  |  | Upper Rocky River/Clarke Creek LWP (chap 6)  <http://portal.ncdenr.org/c/document_library/get_file?uuid=43740b62-0bc4-46bd-b180-e42f625a296c&groupId=60329> |
| If water quality monitoring is  expected to be conducted, have you contacted NCDWR? |  |  | DWR has monitoring in these watersheds – make use of it. |  |