



POLICY AND PROCEDURES ON SOIL AND WATER CONSERVATION DISTRICT COST-SHARE AND TECHNICAL ASSISTANCE FUNDING ALLOCATIONS (FISCAL YEAR 2018)

VIRGINIA SOIL AND WATER CONSERVATION BOARD

(Approved by Board May 23, 2017)

1. Policy Purpose:

This Policy and Procedures document specifies the Virginia Soil and Water Conservation Board's (Board) process by which funds are to be allocated by the Department of Conservation and Recreation (Department) to the Commonwealth's 47 local Soil and Water Conservation Districts (Districts) for cost-share and technical assistance (Fiscal Year 2018 or FY18) and how unobligated Fiscal Year 2017 (FY17) cost-share and allotted technical assistance will be advanced to FY18, and be expended in accordance with this document. The Policy also highlights the water quality emphasis of the Virginia Agricultural Best Management Practices Cost-share Program and the targeted use of allocated cost-share funding. The corresponding Grant Agreement will guide the distribution and disbursement of FY18 funds as well as the disbursement of unobligated FY17 funds and allotted technical assistance and shall supersede the FY17 Grant Agreement. A separate Board Policy and Grant Agreement governs the FY18 distribution of administrative and operational support funds to Districts.

2. Cost-share Program Mission and Eligibility:

The Virginia Agricultural Best Management Practices Cost-share Program (VACS) is administered by the Board and Department through the Districts. The Program's goal is to improve water quality in the state's streams, rivers, and the Chesapeake Bay. VACS offers cost-share assistance as an incentive to carry out construction or implementation of selected Best Management Practices (BMPs). The basis of VACS is to encourage the voluntary installation of agricultural BMPs to meet Virginia's non-point source pollution reduction water quality objectives. Although resource based problems affecting water quality occur on all land uses, VACS promotes efforts for corrective action on agricultural lands only. VACS emphasizes the implementation of agricultural BMPs in locations that provide the greatest nutrient and sediment reductions for the taxpayer's dollars spent. Cost-shared BMPs must maximize nutrient and sediment reductions and also protect the taxpayer's interest, by implementing the most cost-effective BMPs possible in locations that achieve the greatest pollutant reductions on a field by field basis. VACS objectives include special emphasis on the reduction of nutrients (nitrogen and phosphorus), and sediment delivered to the Chesapeake Bay; by preventing additional pollution from entering state waters; and meeting the criteria for Virginia's compliance with Section 319 of the Clean Water Act. VACS implementation should be based upon sound conservation planning and best professional judgment.

For the purposes of VACS, agricultural land means land being used in a bona fide program of agricultural management and engaged in the production of agricultural, horticultural, or forest products for market. In order to be considered agricultural land, the real estate must consist of a minimum of five contiguous acres and there must be verifiable gross receipts in excess of \$1,000 per year from the production or sale of agricultural, horticultural, or forest products produced on the applicant's agricultural land for each of the past five years. The greater than \$1,000 threshold may be documented by using crop type acres and livestock numbers collected as part of the conservation planning inventory or other acceptable forms of proof including Internal Revenue Service (IRS) forms or other accounting records certified by a tax preparer that show profit or loss from farm operations. Non-industrial private forest lands are exempt from the \$1,000 requirement. (See Part 4: Definitions for further explanation.)

Readers should refer to the *Program Year 2018 Virginia Agricultural Cost Share (VACS) BMP Manual* for additional requirements associated with the implementation of the Virginia Agricultural Best Management Practices Cost-Share Program.

3. Authority:

This funding distribution Policy has been developed to provide transparency, predictability, and consistency to the processes by which the cost-share and technical assistance funding set out in Items 364 B and D of Chapter 836 of the 2017 Virginia Acts of Assembly (the 2017 Appropriation Act), and other specified funds available from FY17 balances, are allocated and distributed to Districts. Funds subject to this Policy are set out in Sub-programs 50322 (Technical Assistance to Soil and Water Conservation Districts) and 50323 (Agricultural Best Management Practices Cost Share Assistance) and are guided by the following specific budget provisions within Item 364:

B. 5. In the second year, \$8,274,474 in the Water Quality Improvement Fund Reserve held by the Department of Conservation and Recreation and established pursuant to Item 363 B of this act shall be deposited to the Virginia Water Quality Improvement Fund. Of this amount, \$500,000 shall be appropriated to the Department for soil and water conservation for the Commonwealth's match for participation in the federal Conservation Reserve Enhancement Program (CREP). Of the remaining amounts, \$7,774,474 is authorized for transfer to the Virginia Natural Resources Commitment Fund, a subfund of the Virginia Water Quality Improvement Fund established under the Water Quality Improvement Act of 1997. Notwithstanding any other provision of law, the monies transferred to the Virginia Natural Resources Commitment Fund shall be distributed by the Department upon approval by the Virginia Soil and Water Conservation Board in accordance with the Board's developed policies, as follows: of the \$7,774,474, a total of \$992,937 shall be appropriated for Technical Assistance for Virginia Soil and Water Conservation Districts, and \$6,781,537 for Agricultural Best Management Practices Cost-Share Assistance where of this amount \$4,068,922 shall be used for matching grants for agricultural best management practices on lands in the Commonwealth exclusively or partly within the Chesapeake Bay watershed and \$2,712,615 shall be used for matching grants for agricultural best management practices on lands in the Commonwealth exclusively outside of the Chesapeake Bay watershed.

D.1 Out of this appropriation, \$10,000,000 the first year and \$10,000,000 the second year from nongeneral funds to be deposited to the Virginia Natural Resources Commitment Fund, a subfund of the Virginia Water Quality Improvement Fund, as established in § 10.1-2128.1, Code of Virginia. The funds shall be dispersed by the Department pursuant to § 10.1-2128.1, Code of Virginia.

2. The source of an amount estimated at \$10,000,000 the first year and \$10,000,000 the second year to support the nongeneral fund appropriation to the Virginia Natural Resources Commitment Fund shall be the recordation tax fee established in Part 3 of this act.

3. Out of this amount, a total of eight percent, or \$1,200,000, whichever is greater, shall be appropriated to Virginia Soil and Water Conservation Districts for technical assistance to farmers implementing agricultural best management practices, and \$8,800,000 for Agricultural Best Management Practices Cost-Share Assistance. Of the amount deposited for Cost-Share Assistance, distributions between watersheds shall be in accordance with the allocation percentages set out in § 10.1-2128.1 B., Code of Virginia.

E.1. It is the intent of the General Assembly that all interest earnings of the Water Quality Improvement Fund shall be spent only upon appropriation by the General Assembly, after the recommendation of the Secretary of Natural Resources, pursuant to § 10.1-2129, Code of Virginia.

2. Notwithstanding the provisions of §§ 10.1-2128, 10.1-2129 and 10.1-2128.1, Code of Virginia, it is the intent of the General Assembly that the Department of Conservation and Recreation use interest earnings from the Water Quality Improvement Fund and the Virginia Natural Resources Commitment Fund to support one position to administer grants from the fund.

In addition to the authorities set out in the 2017 Appropriation Act, the Code of Virginia contains the following Board and Department duties applicable to this Policy:

§ 10.1-104.1. Department to assist in the nonpoint source pollution management program.

A. The Department, with the advice of the Board of Conservation and Recreation and the Virginia Soil and Water Conservation Board and in cooperation with other agencies, organizations, and the public as appropriate, shall assist in the Commonwealth's nonpoint source pollution management program.

B. The Department shall be assisted in performing its nonpoint source pollution management responsibilities by Virginia's soil and water conservation districts. Assistance by the soil and water conservation districts in the delivery of local programs and services may include (i) the provision of technical assistance to advance adoption of conservation management services, (ii) delivery of educational initiatives targeted at youth and adult groups to further awareness and understanding of water quality issues and solutions, and (iii) promotion of incentives to encourage voluntary actions by landowners and land managers in order to minimize nonpoint source pollution contributions to state waters.

The provisions of this section shall not limit the powers and duties of other state agencies.

§ 10.1-546.1. Delivery of Agricultural Best Management Practices Cost-Share Program.

Districts shall locally deliver the Virginia Agricultural Best Management Practices Cost-Share Program described under §10.1-2128.1, under the direction of the Board, as a means of promoting voluntary adoption of conservation management practices by farmers and land managers in support of the Department's nonpoint source pollution management program.

§ 10.1-2128. Virginia Water Quality Improvement Fund established; purposes.

A. There is hereby established in the state treasury a special permanent, nonreverting fund, to be known as the "Virginia Water Quality Improvement Fund." The Fund shall be established on the books of the Comptroller. The Fund shall consist of sums appropriated to it by the General Assembly which shall include, unless otherwise provided in the general appropriation act, 10 percent of the annual general fund revenue collections that are in excess of the official estimates in the general appropriation act and 10 percent of any unrestricted and uncommitted general fund balance at the close of each fiscal year whose reappropriation is not required in the general appropriation act. The Fund shall also consist of such other sums as may be made available to it from any other source, public or private, and shall include any penalties or damages collected under this article, federal grants solicited and received for the specific purposes of the Fund, and all interest and income from investment of the Fund. Any sums remaining in the Fund, including interest thereon, at the end of each fiscal year shall not revert to the general fund but shall remain in the Fund. All moneys designated for the Fund shall be paid into the state treasury and credited to the Fund. Moneys in the Fund shall be used solely for Water Quality Improvement Grants.

§ 10.1-2128.1. Virginia Natural Resources Commitment Fund established.

A. There is hereby created in the state treasury a special nonreverting fund to be known as the Virginia Natural Resources Commitment Fund hereafter referred to as "the Subfund," which shall be a subfund of the Virginia Water Quality Improvement Fund and administered by the Department of

Conservation and Recreation. The Subfund shall be established on the books of the Comptroller. All amounts appropriated and such other funds as may be made available to the Subfund from any other source, public or private, shall be paid into the state treasury and credited to the Subfund. Interest earned on moneys in the Subfund shall remain in the Subfund and be credited to it. Any moneys remaining in the Subfund, including interest thereon, at the end of each fiscal year shall not revert to the general fund but shall remain in the Subfund. Moneys in the Subfund shall be used as provided in subsection B solely for the Virginia Agricultural Best Management Practices Cost-Share Program administered by the Department of Conservation and Recreation.

B. Beginning on July 1, 2008, and continuing in each subsequent fiscal year until July 1, 2018, out of such amounts as may be appropriated and deposited to the Subfund, distributions shall be made in each fiscal year for the following purposes:

1. Eight percent of the total amount distributed to the Virginia Agricultural Best Management Practices Cost-Share Program shall be distributed to soil and water conservation districts to provide technical assistance for the implementation of such agricultural best management practices. Each soil and water conservation district in the Commonwealth shall receive a share according to a method employed by the Director of the Department of Conservation and Recreation in consultation with the Virginia Soil and Water Conservation Board, that accounts for the percentage of the available agricultural best management practices funding that will be received by the district from the Subfund;

2. Fifty-five percent of the total amount distributed to the Virginia Agricultural Best Management Practices Cost-Share Program shall be used for matching grants for agricultural best management practices on lands in the Commonwealth exclusively or partly within the Chesapeake Bay watershed; and

3. Thirty-seven percent of the total amount distributed to the Virginia Agricultural Best Management Practices Cost-Share Program shall be used for matching grants for agricultural best management practices on lands in the Commonwealth exclusively outside of the Chesapeake Bay watershed.

C. The Department of Conservation and Recreation, in consultation with stakeholders, including representatives of the agricultural community, the conservation community, and the Soil and Water Conservation Districts, shall determine an annual funding amount for effective Soil and Water Conservation District technical assistance and implementation of agricultural best management practices pursuant to § 10.1-546.1. Pursuant to § 2.2-1504, the Department shall provide to the Governor the annual funding amount needed for each year of the ensuing biennial period. The Department shall include the annual funding amount as part of the reporting requirements in § 62.1-44.118.

§ 10.1-2132. Nonpoint source pollution funding; conditions for approval.

A. The Department of Conservation and Recreation shall be the lead state agency for determining the appropriateness of any grant related to nonpoint source pollution to be made from the [Water Quality Improvement] Fund to restore, protect and improve the quality of state waters.

C. Grant funding may be made available to local governments, soil and water conservation districts, institutions of higher education and individuals who propose specific initiatives that are clearly demonstrated as likely to achieve reductions in nonpoint source pollution, including, but not limited to, excess nutrients and suspended solids, to improve the quality of state waters. Such projects may include, but are in no way limited to, the acquisition of conservation easements related to the protection of water quality and stream buffers; conservation planning and design assistance to develop nutrient management plans for agricultural operations; instructional education directly associated with the implementation or maintenance of a specific nonpoint source pollution reduction initiative; the replacement or modification of residential onsite sewage systems to include nitrogen removal capabilities; implementation of cost-effective nutrient reduction practices; and reimbursement to local governments for tax credits and other kinds of authorized local tax relief that provides incentives for water quality improvement. The Director shall give priority consideration to the distribution of grants from the Fund for the purposes of implementing tributary strategy plans, with a priority given to agricultural practices. In no single year shall more than 60 percent of the moneys be used for projects or practices exclusively within the Chesapeake Bay watershed.

D. The Director of the Department of Conservation and Recreation shall manage the allocation of Water Quality Improvement Grants from the Virginia Natural Resources Commitment Fund established under § 10.1-2128.1.

4. Definitions:

“Agricultural products” means crops, livestock and livestock products, including but not limited to: field crops, forage, fruits, vegetables, horticultural specialties, cattle, sheep, hogs, goats, horses, poultry, furbearing animals, milk, eggs and furs.

“Agricultural production” means the production for commercial purposes of crops, livestock and livestock products, and includes the processing or retail sales by the producer of crops, livestock or livestock products which are produced on the parcel or in the District.

“Animal Type” means the type of livestock the BMP is being installed to treat. For reporting in the BMP Tracking Program, the following animal types are used.

Beef	Dairy	Swine	Layer	Sheep	Goat
Horse	Turkey	Broiler	Pullets	Other	

“Applicant” means a landowner, agent, or operator of record as long as the individual has control of the property. An applicant may be any corporation, association, partnership, or one or more individuals. Various companies, corporations, and partnership arrangements exist for farm ownership. Farm corporations (signing under Federal Tax Identification number) or partnerships operating under a farm name are classified as a single "applicant." Applicants are identified by a unique social security number and/or Federal Tax Identification number.

“Conservation Efficiency Factor (CEF)” means a factor calculated by the BMP tracking program to serve as a ranking tool and provide some guidance for ranking applications that would implement different BMPs. This tool is designed to assist SWCDs with the ranking of their cost share practice applications. The CEF uses eleven different components, including soil loss data that is inputted by the SWCD, as well as the environmental information associated with the location of the practice on the earth to generate a factor used to rank the proposed practice compared with other like BMPs as well as different BMPs.

“District” or “local soil and water conservation district” or “SWCD” means a political subdivision of the Commonwealth organized in accordance with the provisions of the Code of Virginia contained in Chapter 5 of Title 10.1 (§ 10.1-500 et seq.) and with the powers and duties set out in Chapters 1, 5, 6, and 21.1 of Title 10.1 of the Code of Virginia.

“Drainage basins” for the purposes of funding allocations means the lands within the Chesapeake Bay watershed (CB – Chesapeake Bay) and the lands in the Commonwealth exclusively outside of the Chesapeake Bay watershed (OCB – Outside of Chesapeake Bay).

“Forestral production” means the production for commercial purposes of forestal products, and includes the processing or retail sales by the producer, of forestal products that are produced on the parcel. Forestal products include, but are not limited to; saw timber, pulpwood, posts, firewood, Christmas trees, and other tree and wood products for sale or for farm use.

“Horticultural production” means the production for commercial purposes of horticultural products, and includes the processing or retail sales, by the producer, of horticultural products that are produced on the parcel. Horticultural products include, but are not limited to, fruits of all kinds, grapes, nuts, and berries, nursery and floral products for sale or for farm use.

“Total Maximum Daily Load” or “TMDL” means a calculation of a maximum amount of a pollutant that a waterbody can receive and still meet water quality standards.

5. Allocation Process for Cost-share:

The process for determining the allocation of new cost-share includes the following steps:

A) Review the Appropriation Act language and determine the distribution of amounts deposited to the Virginia Water Quality Improvement Fund (WQIF) from state surplus allocations, WQIF Reserve, or from other General Fund deposits.

(See **TABLE 1**)

B) Review the Appropriation Act language and determine the total amount available for cost-share and technical assistance in the given fiscal year provided from the:

1. Close of fiscal year general fund surplus appropriated to the Virginia Water Quality Improvement Fund (WQIF) and the amounts available for cost-share and technical assistance.
2. Special WQIF deposits from the General Fund
3. Nongeneral fund appropriation to the Virginia Natural Resources Commitment Fund from the recordation tax fee.
4. WQIF and Virginia Natural Resources Commitment Fund Interest.
5. The Reserve within the WQIF.

(SEE **TABLE 2**)

C) Allocate portions of the funding to the CB and to OCB.

(SEE **TABLE 3**)

D) Develop a cost-share spending plan that allocates appropriated funds to Program elements. (Determine uses of cost-share in CB and OCB Areas.)

1. RMP – Resource Management Plans
2. SL-6 – Stream Exclusion Special Earmark
3. Central Service Adjustments
4. VACS – Virginia Agricultural Best Management Practices Cost-Share Program

(SEE **TABLE 4**)

E) Use the Agricultural Nonpoint Source Hydrologic Unit (HU) Ranking Process to determine cost-share allocations to Districts.

(SEE **TABLES 5-7 and Attachments A-D**)

Review of Appropriation Act Language (Allocation Steps A and B)

For FY18, \$8,274,474 in new funding is being deposited to the Water Quality Improvement Fund in accordance with Item 364 B. of the 2017 Appropriation Act (See Part 2, Authority). Of this amount, distributions are directed as follows:

TABLE 1: FY17 Appropriation Act Distributions for WQIF Surplus (Item 364 B.)

Water Quality Program	Program Distributions
WQIF (Total Surplus Deposit)	\$0
WQIF (Total WQIF Reserve and Special General Fund deposit)	\$8,274,474
• Earmark for Nutrient Management Plans for Golf Courses*	\$0
• Earmark for Department of Forestry for Water Quality Grants*	\$0
• Earmark for Financial Tracking Module	\$0
• Earmark for Commonwealth’s match to federal Conservation Reserve Enhancement Program (CREP)*	\$500,000
• Deposit to WQIF Reserve	\$0
• Transfers to the Virginia Natural Resources Commitment Fund	\$7,774,474
o Technical Assistance for Virginia Soil and Water Conservation Districts	\$992,937
o Agricultural Best Management Practices Cost-Share Assistance	\$6,781,537

* Earmarks are available for “statewide uses”.

For FY18, \$16,074,474 in new funding (Item 364 B. and D. – see Part 2, Authority) is available for allocations to the Districts for cost-share and technical assistance.

TABLE 2: FY17 Cost-share and Technical Assistance Allocations by Fund Source

Funding Source	Total	Cost-share Portion of Total	Technical Assistance Portion of Total
WQIF (Surplus deposit)	\$0	\$0	\$0
WQIF (Reserve and special GF deposit)	\$7,774,474	\$6,781,537	\$992,937**
Recordation Fee*	\$8,300,000*	\$7,100,000	\$1,200,000
Fund and Subfund Interest	\$0	\$0	\$0
TOTAL	\$16,074,474	\$13,881,537	\$2,192,937

* The 2017 Appropriation Act (Item 364 D. – see Part 2, Authority) provides for \$10,000,000 in Appropriation from the recordation tax fee. Because of reduced actual revenue being recognized historically and the potential for the shortfall to continue into FY18, a conservative approach is being taken towards allocations and only \$8,300,000 is being utilized for budgeting purposes.

** The 2017 Appropriation Act (Item 364 B. – see Part 2, Authority) utilizes 12% for the formulation of technical assistance amounts to be allocated from the deposit from the Reserve (the amount this was applied to, included the CREP allocation as well).

Allocation of Funding to the CB and to OCB Areas (Allocation Step C)

Unless otherwise specified in the Appropriation Act, Sub-section 10.1-2128.1. B. of the Code of Virginia specifies that after technical assistance is removed that:

- Fifty-five percent of the total amount distributed to the Virginia Agricultural Best Management Practices Cost-Share Program shall be used for matching grants for agricultural best management practices on lands in the Commonwealth exclusively or partly within the CB watershed; and
- Thirty-seven percent of the total amount distributed to the Virginia Agricultural Best Management Practices Cost-Share Program shall be used for matching grants for agricultural best management practices on lands in the Commonwealth exclusively outside of the CB watershed.

This equates to a multiplier applied to the Cost-share Portion of Total of:

0.597826087 for CB [$55 / (55+37)$]; and
 0.402173913 for OCB [$37 / (55+37)$]

For FY18, the multipliers are applied to the Recordation cost-share amounts. The 2017 Appropriation Act specifies the distributions for the deposit from the WQIF Reserve. Distributions within the CB and OCB shall be as follows:

TABLE 3: FY18 Cost-share Allocations by Drainage Basin and Fund Source

Funding Source	Total Funding (Cost-share and Technical Assistance)	Cost-share Portion of Total	Cost-share Portion Allocated to Lands Exclusively or Partly Within the CB*	Cost-share Portion Allocated to Lands Exclusively OCB*
Surplus	\$0	\$0	\$0	\$0
Special Reserve and GF Deposit	\$7,774,474	\$6,781,537	\$4,068,922	\$2,712,615
Recordation Fee	\$8,300,000	\$7,100,000	\$4,244,565	\$2,855,435
TOTAL	\$16,074,474	\$13,881,537	\$8,313,487	\$5,568,050

* Amounts rounded to the nearest dollar.

Spending Plan: Allocation of Appropriated Funds (Allocation Step D)

Out of the amounts available for cost-share, the Spending Plan shall allocate funding to BMP practices associated with specific program elements as follows:

TABLE 4: FY18 Cost-share Spending Plan by Drainage Basin and Fund Source

Program Element	Cost-share Portion Allocated to Lands Exclusively or Partly Within the CB (Surplus)	Cost-share Portion Allocated to Lands Exclusively or Partly Within the CB (WQIF Reserve and Special GF Deposit)	Cost-share Portion Allocated to Lands Exclusively or Partly Within the CB (Recordation Fee)	Cost-share Portion Allocated to Lands Exclusively OCB (Surplus)	Cost-share Portion Allocated to Lands Exclusively or Partly Within the OCB (WQIF Reserve and Special GF Deposit)	Cost-share Portion Allocated to Lands Exclusively OCB (Recordation Fee)	Totals
Total Available	\$0	\$4,068,922	\$4,244,565	\$0	\$2,712,615	\$2,855,435	\$13,881,537
Spending Plan Distribution:							
RMP	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SL-6*	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Central Service Adjustments	\$0	\$0	\$0	\$0	\$0	\$0	\$0
VACS	\$0	\$4,068,922	\$4,244,565	\$0	\$2,712,615	\$2,855,435	\$13,881,537

* The 2017 Appropriation Act (Item 364 B. – see Part 2, Authority) specifies the amount to be allocated to SL-6s. No additional dollars were specifically earmarked by the Board for this practice.

Specifics regarding the process by which such allocations are determined for each Program element within the spending plan are as follows:

Explanation of Spending Plan Distribution Components:

RMP – Resource Management Plans (Allocation Step D1)

Any remaining RMP balances from prior fiscal years are authorized to be carried forward to FY18, and no new earmark is being made. These funds may be utilized to contract for plan development and implementation although the intent is for the emphasis to be placed on plan implementation (RMP-2). A fundamental goal of the Resource Management Plan Program pursuant to § 10.1-104.8 of the Code of Virginia is for the RMP plans to include “agricultural best management practices sufficient to implement the Virginia Chesapeake Bay TMDL Watershed Implementation Plan and other local TMDL water quality requirements of the Commonwealth”. The intent of the program is to encourage farm owners and operators to voluntarily implement a high level of BMPs on their farmlands in order to be protective of water quality.

Soil and Water Conservation Districts are authorized to develop plans and recover costs from the cost-share applicant in accordance with Item 364 G of the 2016 Appropriation Act.

G. Notwithstanding § 10.1-552, Code of Virginia, Soil and Water Conservation Districts are hereby authorized to recover a portion of the direct costs of services rendered to landowners within the district and to recover a portion of the cost for use of district-owned conservation equipment. Such recoveries shall not exceed the amounts expended by a district on these services and equipment.

SL-6 (Allocation Step D2)

In the FY14 and the FY15 Policies, Districts were authorized to provide 100% reimbursement for the stream exclusion practice SL-6 (100% cost-share rate and no cap) and it was stipulated that all participant enrollments received during this two-year period would be honored as cost-share funds become available. In FY16 a producer match for new applications was reinstated for SL-6 that will be maintained in FY18; an 80% cost-share rate with a \$70,000 cap.

In order to work towards a reduction in the remaining FY15 SL-6 “Pending” applications, two actions are being taken in FY18. No new funds are being directly allocated to SL-6.

- 1) Districts are free to utilize their FY18 VACS Program cost-share allocation and are strongly encouraged to utilize their FY17 VACS Program unobligated cost-share allocation transferred to FY18, to fund SL-6 “Pending” practices from FY15. It is left to the Districts to determine whether they target the retirement of FY15 SL-6 commitments prior to satisfying new FY18 SL-6 commitments with their regular FY18 cost-share allocation and FY17 transferred allocation. Each year’s eligible applications may only be compared to other projects from the same year and not between years so that CEF scores can be compared accurately. Any producer with a “Pending” application that has not initiated construction or negotiated and signed contract(s) to install the practice by the end of ninety (90) days after being offered cost-share funds, shall be cancelled by the District. This approach will allow Districts to work through their backlog of SL-6 “Pending” applications in a fair, consistent, and effective method statewide.
- 2) Funds becoming available through the “Reallocation of Cost-Share” process set out in Part 9 of this Policy, shall be reallocated to SL-6 “Pending” practices from FY15 in accordance with that Section. Any producer with a “Pending” application that has not initiated construction or negotiated and signed contract(s) to install the practice by the end of ninety (90) days after being offered cost-share funds, shall be cancelled by the District.

Also, at the end of FY17 and FY18, should any additional funding be available from unallocated recordation fee revenue or other sources, and not be otherwise earmarked by the Board, the Department may apply these funds towards addressing FY15 SL-6 “Pending” applications as well.

Central Service Adjustments (Allocation Step D3)

The Appropriation Act (Part 3: Miscellaneous) annually applies charges (interfund transfers) to each Agency for expenses incurred by central service agencies associated with Agency funds. For FY18, charges for nongeneral funds are \$55,954 from 0900 funds. If a portion of these expenses needs to be paid from cost-share amounts provided for in the Appropriation Act, it should be allocated from non-budgeted “cash transfer in (CTI)” funds, non-budgeted interest, or non-budgeted recordation fee tax deposits before reallocations are made.

VACS – Virginia Agricultural Best Management Practices Cost-Share Program Allocations (Allocation Step D4)

After the other noted distributions have been met in the spending plan (SEE TABLE 4), for which there are none set out in FY18, there is \$13,881,537 available for distribution as VACS cost-share. (Table 4 outlines the drainage basin split and fund sources.) Specific allocations to Districts in FY18 shall be made using science-based targeting of funds so that areas with the greatest potential to contribute agricultural nonpoint source pollution have the financial resources to implement BMPs to reduce nutrient and sediment contamination of surface and ground waters. The process utilized to make these allocations is called the Agricultural Nonpoint Source Hydrologic Unit (HU) Ranking Process.

Agricultural Nonpoint Source Hydrologic Unit (HU) Ranking Process (Step E)

The Department utilizes a component of Virginia’s Nonpoint Source Assessment to focus its cost-share allocations where funds can produce the greatest reductions in surface and ground water contamination. Every two years, the Department of Environmental Quality (DEQ) prepares a Virginia Water Quality Assessment Report, also known as the 305(b)/303(d) Water Quality Assessment Integrated Report for submission to the Environmental Protection Agency that typically includes an updated Nonpoint Source Assessment. Currently,

the 2016 Nonpoint Source Assessment represents the most recent information available for use. The Department utilizes the agricultural component of the most current and approved NPS assessment to focus agricultural cost-share funds.

Hydrologic unit assessment scores are calculated using a nonpoint pollutant load simulation model and data developed by the Department and the Virginia Tech, Department of Biological Systems Engineering. The model includes statewide data from:

- Detailed land use from interpreted imagery supplemented with tillage practice data
- Census of Agriculture data
- Virginia Agriculture Statistics
- Grazing and manure application practices
- Hydrologic soil groups
- Average water content and K factors of all soils
- Stream flows from gauge stations
- Climate records from a multi-state area
- Growing seasons
- Dominant crop types by hydrologic unit
- CB Watershed Model output
- Animal numbers by type and location
- Distribution and extent of agricultural conservation practices
- Slope and manure application schedules by manure types

Additional technical information regarding modeling processes are set out in Department documents titled: *2016 NPS Assessment and Prioritization Primer*

The computer model estimates and ranks the pollutant loads of nitrogen, phosphorus, and sediment in 1,237 of the 1,251 6th-order hydrologic units in Version 5 of the National Watershed Boundary Dataset (NWBD). Those units not modeled are primarily water. Each of the three per hectare agricultural pollutant loads are sorted Low to High and assigned their sort order for each HU. The rank score of a HU is the sum of these three values. For example:

Hydrologic Unit (HU) – (VAHU6)	Pollutant Load –Nitrogen (NSEQ)	Pollutant Load – Phosphorus (PSEQ)	Pollutant Load – Sediment (SSEQ)	Sum (NSEQ + PSEQ + SSEQ)	Agricultural Pollutant Potential Rank
PS23	1203	1180	1219	3602	High (H)
JM33	779	721	1066	2566	Medium (M)
PL13	836	549	451	1836	Low (L)

The higher the composite ranking score, the higher its potential to contribute agricultural NPS pollution (based on Nitrogen, Phosphorus, and Sediment loads). In accordance with this process, Attachment A includes the Unit Area Loads for Nitrogen (kg/Ag ha-yr), Phosphorus (kg/Ag ha-yr), and Sediment (mt/Ag ha-yr); the Sorted Sequence (Rank Order) between HUs for each pollutant’s load; a Sum Order for each HU; and the resulting Agricultural Pollutant Potential Rank for each HU to be utilized in FY18 cost-share allocation computations.

The Department has designated the highest 20% of the ranked composite scores as High (H) potential, the middle 30% as Medium (M), and the lowest 50% are ranked Low (L) for their potential to contribute agricultural NPS pollution (natural breaking points in the data are looked for around these percentiles; not to exceed a 0.50 deviation).

For FY18 (see **Attachment A**) the data breaks were as follows:

TABLE 5: Agricultural Pollutant Potential Ranking

Agricultural Pollutant Potential Rank	# of HUs included	% of HUs included	% of Ag land	Sum Order Range
H	242	19.564	19.373	2573 - 3602
M	376	30.396	25.852	1843 - 2566
L	619	50.040	54.775	3 - 1836
Total	1237	100.000	100.000	

NOTE: Since the installation and distribution of BMPs implemented is part of the calculation of the agricultural NPS loads and ranking, the hydrologic units may change rankings if a large number of BMPs are implemented in a particular HU between assessments. Ranking changes tend to shift the funds between the HUs.

The next step is to compile the HU area (hectares or ha) designated as H, M, and L by county and then by District geographic areas. Hydrologic unit boundaries are based upon naturally occurring drainage divides and do not often reflect county boundaries. As a result, any HU may be fully contained within a county or divided between two or more counties. Geographic Information System analysis allows the area (acres) of each ranked HU (H, M, and L) within a county boundary to be calculated and compared to the total number of acres of that pollutant ranking (H, M, and L) within each drainage basin (CB or OCB). The county area (acres) designated as H, M, and L are then rolled up to the 47 Districts. (Those HUs not within a District boundary have been removed from the analysis and do not contribute to the acreage total utilized in calculating the Cost-share Multiplier.)

Some Districts reside in the CB, some are located in only OCB areas, and some contain acreage in each. District drainage basin assignments are outlined in **Attachment B**.

Once a composite area (acres) for H, M, and L HUs has been calculated for each District by drainage basin, a H, M, and L cost-share multiplier based on percentage of agricultural acres in the District (for H, M, and L) compared to the drainage basin total (for H, M, and L) is calculated and then applied respectively to the amount of cost-share funding allocated to the H, M, and L pollutant load categories in the CB and OCB areas. This analysis is set out in **Attachment C**. **Attachment C** provides data by Drainage Basin (CB and OCB), District, Agricultural Pollutant Potential Rank (H, M, and L), Total Area (acres) of Hydrologic Units in each District by Agricultural Pollutant Potential Rank and Drainage Basin, and the resulting Percentage Rank (Cost-share Multiplier).

Attachment D provides a full-page version of the image below depicting the statewide distribution of H, M, and L HUs by District and Drainage Basin.

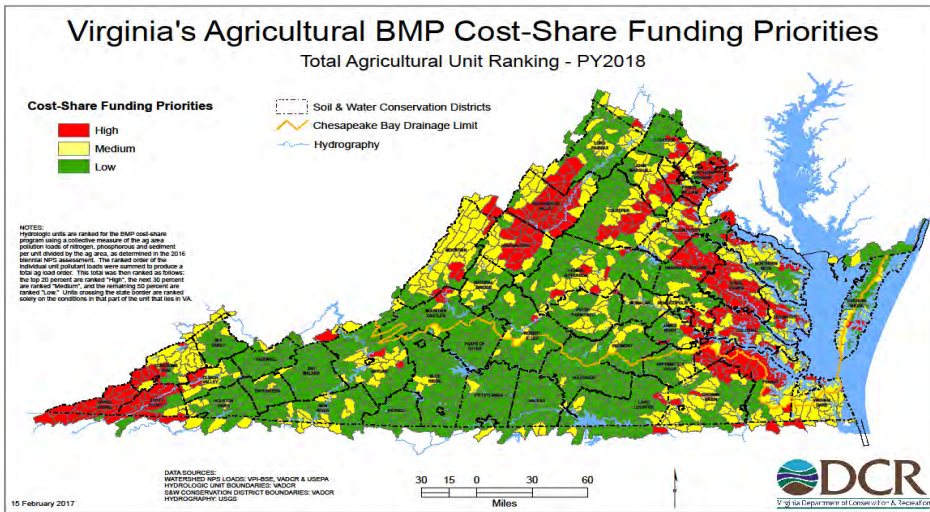


FIGURE 1: Virginia’s Agricultural BMP Cost-share Funding Priorities

Utilizing the information in **Attachment C**, the next step is to determine how much of the available cost-share by drainage basin and funding type will be proportioned to H, M, and L HU areas. Percentage allocations are based on providing a high percentage of the funding to the waters with the most pollutant load based on nitrogen, phosphorus, and sediment. For FY18, the H ranked HUs are assigned 50 percent of the cost-share funds. The M ranked HUs are assigned 30 percent of the cost-share funds, while the L ranked HUs are assigned 20 percent of the cost-share funds.

TABLE 6: FY18 Cost-share Allocations by Drainage Basin; Fund Source; and H, M, and L HU Areas

Program Element	Cost-share Portion Allocated to Lands Exclusively or Partly Within the CB (Surplus)	Cost-share Portion Allocated to Lands Exclusively or Partly Within the CB (Reserve and Special GF Deposit)	Cost-share Portion Allocated to Lands Exclusively or Partly Within the CB (Recordation Fee)	Cost-share Portion Allocated to Lands Exclusively OCB (Surplus)	Cost-share Portion Allocated to Lands Exclusively or Partly Within the OCB (Reserve and Special GF Deposit)	Cost-share Portion Allocated to Lands Exclusively OCB (Recordation Fee)	Totals
VACS (after spending plan distributions – see TABLE 4)	\$0	\$4,068,922.00	\$4,244,565.00	\$0	\$2,712,615.00	\$2,855,435.00	\$13,881,537.00
H (50%)	\$0	\$2,034,461.00	\$2,122,282.50	\$0	\$1,356,307.50	\$1,427,717.50	\$6,940,768.50
M (30%)	\$0	\$1,220,676.60	\$1,273,369.50	\$0	\$813,784.50	\$856,630.50	\$4,164,461.10
L (20%)	\$0	\$813,784.40	\$848,913.00	\$0	\$542,523.00	\$571,087.00	\$2,776,307.40

The H, M, and L multipliers for each District are then applied to the amount of cost-share funds being made available in each drainage basin (CB and OCB) and funding source (Surplus, Special GF Deposit, Recordation fee) as set out in **TABLE 6**. Each District’s drainage basin’s H, M, and L funds are then accumulated to provide a total funding amount for the cost-share allocation.

The following table shows FY18 District VACS and SL-6 cost-share allocations by drainage basin and under the cost-share total column, provides the cumulative cost-share allocations to each of the Districts. Columns are included that show the FY18 District cost-share allocations being allocated to FY15 SL-6 “Pending” allocations in the CB and OCB (See Discussion in Step D2).

TABLE 7: FY18 District Cost-share Allocations by Drainage Basin

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
SWCD	VACS CB Total	VACS OCB Total	SL-6 CB Allocation	SL-6 OCB Allocation	FY18 CB Cost-Share Total (VACS and SL-6)	FY18 OCB Cost-Share Total (VACS and SL-6)	FY18 Cost-Share Total (VACS and SL-6)
APPOMATTOX RIVER	\$12,681	\$70,134	\$0	\$0	\$12,681	\$70,134	\$82,815
BIG SANDY	\$0	\$24,321	\$0	\$0	\$0	\$24,321	\$24,321
BIG WALKER	\$0	\$106,985	\$0	\$0	\$0	\$106,985	\$106,985
BLUE RIDGE	\$5,075	\$125,046	\$0	\$0	\$5,075	\$125,046	\$130,121
CHOWAN BASIN	\$0	\$571,719	\$0	\$0	\$0	\$571,719	\$571,719
CLINCH VALLEY	\$0	\$329,204	\$0	\$0	\$0	\$329,204	\$329,204
COLONIAL	\$178,158	\$0	\$0	\$0	\$178,158	\$0	\$178,158
CULPEPER	\$906,870	\$0	\$0	\$0	\$906,870	\$0	\$906,870
DANIEL BOONE	\$0	\$977,344	\$0	\$0	\$0	\$977,344	\$977,344
EASTERN SHORE	\$128,584	\$94,977	\$0	\$0	\$128,584	\$94,977	\$223,561
EVERGREEN	\$0	\$63,625	\$0	\$0	\$0	\$63,625	\$63,625
HALIFAX	\$0	\$84,427	\$0	\$0	\$0	\$84,427	\$84,427
HANOVER-CAROLINE	\$300,071	\$0	\$0	\$0	\$300,071	\$0	\$300,071
HEADWATERS	\$924,984	\$0	\$0	\$0	\$924,984	\$0	\$924,984
HENRICOPOLIS	\$57,675	\$0	\$0	\$0	\$57,675	\$0	\$57,675
HOLSTON RIVER	\$0	\$116,929	\$0	\$0	\$0	\$116,929	\$116,929
JAMES RIVER	\$81,224	\$163,396	\$0	\$0	\$81,224	\$163,396	\$244,620
JOHN MARSHALL	\$485,036	\$0	\$0	\$0	\$485,036	\$0	\$485,036
LAKE COUNTRY	\$0	\$185,001	\$0	\$0	\$0	\$185,001	\$185,001
LONESOME PINE	\$0	\$334,298	\$0	\$0	\$0	\$334,298	\$334,298
LORD FAIRFAX	\$754,493	\$0	\$0	\$0	\$754,493	\$0	\$754,493
LOUDOUN	\$234,424	\$0	\$0	\$0	\$234,424	\$0	\$234,424
MONACAN	\$123,236	\$0	\$0	\$0	\$123,236	\$0	\$123,236
MOUNTAIN	\$236,303	\$0	\$0	\$0	\$236,303	\$0	\$236,303
MOUNTAIN CASTLES	\$111,027	\$26,827	\$0	\$0	\$111,027	\$26,827	\$137,854
NATURAL BRIDGE	\$206,071	\$0	\$0	\$0	\$206,071	\$0	\$206,071
NEW RIVER	\$0	\$215,952	\$0	\$0	\$0	\$215,952	\$215,952
NORTHERN NECK	\$333,313	\$0	\$0	\$0	\$333,313	\$0	\$333,313
NORTHERN VIRGINIA	\$15,417	\$0	\$0	\$0	\$15,417	\$0	\$15,417

PATRICK	\$0	\$27,122	\$0	\$0	\$0	\$27,122	\$27,122
PEAKS OF OTTER	\$15,490	\$70,675	\$0	\$0	\$15,490	\$70,675	\$86,165
PEANUT	\$258,827	\$487,353	\$0	\$0	\$258,827	\$487,353	\$746,180
PETER FRANCISCO	\$185,288	\$0	\$0	\$0	\$185,288	\$0	\$185,288
PIEDMONT	\$208,817	\$11,285	\$0	\$0	\$208,817	\$11,285	\$220,102
PITTSYLVANIA	\$0	\$127,209	\$0	\$0	\$0	\$127,209	\$127,209
PRINCE WILLIAM	\$93,314	\$0	\$0	\$0	\$93,314	\$0	\$93,314
ROBERT E. LEE	\$155,548	\$76,981	\$0	\$0	\$155,548	\$76,981	\$232,529
SCOTT COUNTY	\$0	\$553,935	\$0	\$0	\$0	\$553,935	\$553,935
SHENANDOAH VALLEY	\$1,072,505	\$0	\$0	\$0	\$1,072,505	\$0	\$1,072,505
SKYLINE	\$235	\$387,090	\$0	\$0	\$235	\$387,090	\$387,325
SOUTHSIDE	\$83	\$81,757	\$0	\$0	\$83	\$81,757	\$81,840
TAZEWELL	\$0	\$47,794	\$0	\$0	\$0	\$47,794	\$47,794
THOMAS JEFFERSON	\$453,468	\$0	\$0	\$0	\$453,468	\$0	\$453,468
THREE RIVERS	\$438,955	\$0	\$0	\$0	\$438,955	\$0	\$438,955
TIDEWATER	\$131,671	\$0	\$0	\$0	\$131,671	\$0	\$131,671
TRI-COUNTY/CITY	\$191,145	\$0	\$0	\$0	\$191,145	\$0	\$191,145
VIRGINIA DARE	\$13,499	\$206,664	\$0	\$0	\$13,499	\$206,664	\$220,163
Grand Total	\$8,313,487	\$5,568,050	\$0	\$0	\$8,313,487	\$5,568,050	\$13,881,537

NOTE: The distribution of cost-share allocations is dependent on income and state finances. See the procedure outlined in Part 13: Criteria for Cost-Share and Technical Assistance for what procedures are implemented should funding availability fall short of appropriation projections.

6. Deputy Director Approved Transfer of Cost-share (and Technical Assistance):

After Grant Agreement issuance, Districts may choose to work with the Department to determine if cost-share allocations should be transferred from one District to another District to maximize water quality improvements. Cost-share shall not be transferred between CB and OCB drainage allocations. Recommended adjustments shall be advanced by Department field personnel through the Division’s Central Office to the Deputy Director for consideration as District contract adjustments. Written correspondence from the affected Districts will be required to document their approval of the recommended transaction. Written correspondence regarding reallocations/transfers shall be routed to the Comptroller to update the Department’s records. For amounts already distributed to Districts, funds shall be reverted back to the Department for redistribution to the approved receiving District (accordingly such funds shall not be directly sent between Districts). A proportional amount of technical assistance shall be transferred with the cost-share funds.

Additionally, should a District decline a recommended cost-share allocation, technical assistance allocations may also be reduced accordingly if such an allocation has been recommended. Otherwise, no other movements of cost-share or technical assistance funding may occur between Districts.

7. Targeting the Expenditure of Cost-share Funds in each District to Maximize Water Quality Improvements:

Once cost-share has been allocated to Districts, cost-share expenditures within Districts, in accordance with the VACS mission (See Part 2), should be targeted towards maximizing nutrient and sediment reductions by implementing the most cost-effective BMPs possible in locations that achieve the greatest pollutant reductions on a field by field basis. The VACS Program gives Districts the responsibility to determine the recipients of state cost-share funds. The better the Districts recruit and evaluate applications, the more successful the local program will be at improving local water quality. Participants are to be recruited based upon those primary and secondary factors, which most influence their existing land uses impact upon water quality. The objective of the VACS Program is to solve water quality problems by fixing the worst problems first on a field by field basis. The 2016 agricultural non-point source ranking of the National Watershed Boundary Dataset units (VAHU6) currently provides the most accurate identification at a landscape scale, of the lands with the greatest potential to contribute agricultural non-point source pollution into Virginia’s rivers and streams.

Statewide water quality considerations must be used by all Districts to qualify cost-share applications for District Board consideration for funding. Districts should prioritize the implementation of appropriate BMPs that will reduce the greatest amount of nutrient and sediment contamination while utilizing the least amount of cost-share funds to address site-specific water quality problems in identified HU priority watersheds with all program cost-share funds. Any application that does not meet at least one of these priority considerations listed below shall not receive funding:

- The project is located in one of the District’s highest ranked hydrologic units unless the project is for animal waste management practices and actions to protect groundwater, gully erosion, or critical areas utilizing one of the following practices:
 - Animal Waste Control Facilities (WP-4)
 - Dairy Loafing Lot Management System (WP-4B)
 - Composter Facilities (WP-4C)
 - Permanent Vegetative Cover on Critical Areas (SL-11)
 - Stream Protection (WP-2)
 - Vegetative Stabilization of Marsh Fringe Area (SE-1)
 - Nutrient Management Plan Writing (NM-1A)
 - Water Table Control Structure (WQ-5)
 - Sod Waterway (WP-3)
 - Small Grain Cover Crop for Nutrient Management (SL-8B)

Stream Exclusion with Grazing Land Management (SL-6)
Grass Filter Strips (WQ-1)
Sediment Retention, Erosion or Water Control Structure (WP-1)
Precision Nutrient Management of Nitrogen on Cropland (NM-5N)
Precision Nutrient Management of Phosphorous on Cropland (NM-5P)
Woodland Buffer Filter Area (FR-3)

- The project is located within or upstream of an identified TMDL stream segment and the project will assist in reducing the identified pollutant.
- The project is located on fields that are at least 1/3 HEL (Highly Erodible Land) soils.
- The project is for a specified BMP(s) within an approved state resource management plan.

Further, a set of Secondary considerations that identify the local District Board's water quality improvement focus shall be developed by the District Board. The District shall submit their Secondary Considerations to the Department prior to the beginning of the fiscal year and receive Department approval prior to the District approving cost-share applications. These secondary considerations should be easily understood by any potential participant. Districts should focus on describing the Board's desired local water quality improvements. Secondary considerations should be narrative statements that assist District Boards in ranking cost-share applications based upon which practice implementation will provide the greatest amount of local water quality improvement. The District shall be expected to abide by these policies throughout the entire program year so that each application is ranked to receive funding based upon the anticipated water quality benefits. Examples of potential secondary considerations may be found in the *Program Year 2018 Virginia Agricultural Cost Share (VACS) BMP Manual*.

One key secondary consideration that shall be considered by each District when comparing projects for cost-share funding as a component of their decision process, is the CEF. A CEF is calculated by the Agricultural BMP Tracking program and uses eleven different components, including installation costs and soil loss data that is input by the District, as well as the environmental information associated with the location of the practice to generate a factor that can be used to rank the proposed practice compared with other like BMPs as well as different BMPs (See **TABLE 8**). Although the CEF can be used to rank different BMPs it will more accurately rank different BMPs that are oriented toward reduction of the same contaminate with the lower the value the more preferred the project.

Additionally, for Districts within the CB, Districts shall give priority to BMPs addressed within the Virginia Chesapeake Bay Watershed Implementation Plan and for Districts OCB, priority shall be given to BMPs in the highest priority agricultural TMDL watersheds (as ranked by the Department; H, M, and L).

The relative weights of **TABLE 8** reflect the weight distribution of the CEF components for practices where every component is used in the final CEF calculation. For many practices one or more of these components is not used and the relative weights of the point variables that are used will therefore be proportionally increased. Details on this procedure may be found in a Department discussion document titled *Assignment of Priority Values to BMP Instances at the Time of District ACSTP Data Entry*.

TABLE 8: CEF Ranking Components and Values

Ranking Component	Relative Weight	Value Range	Point or Credit Variable	Assigned Rank Points
Deliverable Sediment Reduction Cost Efficiency points	13.33	not calculated / equation results	DSEDXCE_P	0 / 1 - 10
Priority Practice points	17.33	yes / maintenance / no	PRI_P	1 / 9 / 13
NPS Ag Priority Hydrologic Unit points	17.33	not used / Ag Priorities SUM Order	NPSAG_P	0 / 1 - 13
NPS Biological Priority HU credit	5.33	2+ flags / 1 flag / none	NPSBIO_C	-4 / -2 / 0
Ag Bacteria Impairment Area points	5.29	Not used/7/6/5/4/3/2/1/0	BIMP_P	0 / 1 / 2 / 1 / 2 / 1 / 4 / 1 / 4
Ag Nutrient Impairment Area points	5.29	Not used/7/6/5/4/3/2/1/0	NIMP_P	0 / 1 / 1 / 3 / 3 / 1 / 1 / 4 / 4
Septic Impairment Area points	5.29	Not used/7/6/5/4/3/2/1/0	SIMP_P	0 / 1 / 1 / 1 / 1 / 2 / 3 / 2 / 4
Chesapeake Bay Program Efficiency credit	4.00	>50% / 35-50% / <35% / not reported	CBEFF_C	-3 / -2 / -1 / 0
Practice Contract Period points	6.61	1 - 10	PCP_P	1 - 5
Installation Cost Efficiency points	20.00	not calculated / equation results	ICE_P	0 / 1 - 15
Environmental Preferences credit	see discussion document	not calculated / equation results	ENV_C	0 / -7 - 0

Final approval of practice funding is the responsibility of the local District Board of Directors. All actions taken must be voted upon and the outcome recorded in the minutes of the meeting where such action is taken. Districts should be prepared to verify and document that their cost-share allocations are being spent in accordance with their priority and secondary considerations and in accordance with the *Program Year 2018 Virginia Agricultural Cost Share (VACS) BMP Manual*.

Any application must meet appropriate technical agency standards and specifications of that practice before cost-share payment is made. Payment is issued after the participant and technical representative have certified practice installation in their Virginia BMP Incentives Contract. The amount of the cost-share payment is calculated based upon the estimated cost or total actual cost whichever is less. When completed practices are scheduled for combined funding from a District and other sources, the District cost-share payment must reflect the balance due (not to exceed the amount approved by the District for the cost-share payment) after payment has been approved or issued by the other sources. Total combined state VACS, federal, and any other funding source cost-share payments must not exceed the amount allowed within the *Program Year 2018 Virginia Agricultural Cost Share (VACS) BMP Manual*, this Policy, or by written directive of the Director.

Department personnel will confer with District staff at least quarterly to determine their projected needs for cost-share payments for completed and certified BMPs. Department personnel will generate a disbursement

letter based upon the projected needs and Agricultural BMP Tracking Program data showing approved and completed practices.

8. Cost-share Funding Caps:

For FY18, the VACS applicant cost-share limit or “cap” is \$50,000/applicant/year. This cap is automatically monitored for any applicant across Districts based upon data available from within the Agricultural BMP Tracking program.

- Except that WP-4 and/or WP-4B either as a single large practice or as an aggregation of smaller practices may be approved to receive up to \$70,000 in cost-share funds in any given program year. For any single or aggregation of WP-4 and/or WP-4B practices that receive greater than \$50,000 in cost share funds but less than \$70,000, the unused cap amount may not be used to fund any other additional practices.
- Each District Board may establish an applicant cost-share limit or “cap” for the program year which may not exceed the program applicant cost-share limit. Applicants may receive the amount of the District established cost-share limits or “caps” for implemented BMPs as long as the amount does not exceed the established programmatic cost-share limit or “cap”. This cap is automatically monitored for any applicant across Districts based upon data available from within the Agricultural BMP Tracking program. Districts may view all approved cost-share funds for a participant by utilizing the “participant’s contracts” button. This authority to set District cost-share limits in accordance with the provisions of this paragraph does not extend to SL-6, RMP-1, and RMP-2 practices.
- SL-6 is also subject to the \$70,000 cap for new applications in FY18 and participants receiving cost-share funds for new SL-6 applications in the amount of \$70,000 shall not be eligible for any additional cost-share funds for any other cost-share practices.
 - Examples:
 - If SL6 payment is equal to \$70,000 then no additional VACS is allowed.
 - If SL6 is \$60,000, then \$10,000 would remain available for WP-4 and/or WP-4B but \$0 for other VACS practices.
 - If SL6 is \$40,000, then \$10,000 would remain available for agronomic practices or up to \$30,000 for WP-4 and/or WP-4B.
- Cost-share funds received for RMP-1 and RMP-2 practices do not count against or otherwise affect an applicant’s annual cost-share cap for other specified practices.

State participant caps are based upon the fiscal year that the practice is approved rather than the fiscal year in which the cost-share payment is distributed. This allows each participant to maximize the amount of cost-share that they may receive in each fiscal year.

NOTE: The Department marketed the SL-6 program at 100% in FY14 and FY15. All participant enrollments received during that two-year period shall be honored as cost-share funds become available. However, any producer with a “Pending” application that has not initiated construction or negotiated and signed contract(s) to install the practice by the end of ninety (90) days after being offered cost-share funds, shall be cancelled by the District.

9. Reallocation of Cost-Share:

On April 1, 2018, following the end of the third quarter, the Department shall reallocate (redistribute) unobligated VACS allocations (keeping cost-share within the drainage basin it was originally allocated within) in an effort to satisfy existing SL-6 “Pending” Practices from FY15. VACS funds that have not been approved by the District’s Board of Directors at the end of the third quarter of the fiscal year (March 31, 2018) to fund an

existing cost-share application are considered to be unobligated. This action also includes FY17 balances advanced to FY18.

Data collected from the budget summary page of the Virginia Agricultural BMP Tracking Program (Tracking Program) on April 1, 2018 will be analyzed to identify those Districts that have obligated ninety percent (90%) or more of their Total VACS allocation. The percent of their VACS allocation obligated will be identified by dividing the “Approved” amount by the “Allocation” amount. [Separate calculations shall be run for each FY18 funding pot; new FY18 allocations and FY17 allocations transferred to FY18.] By allocation funding pot, for those Districts that did not obligate at least ninety percent (90%) of their Total VACS allocation by April 1, 2018, unobligated cost-share funds will be summed and all of a District’s unobligated VACS funds will be reallocated, except that ten (10%) of the unobligated balance shall remain with the District (unless waived by the District) to approve small practices or to make adjustments to existing cost-share practices. This includes amounts already distributed to Districts for which a project has since been discontinued (which shall be reverted back to the Department; such funds shall not be directly sent between Districts) as well as VACS funds still being held by the Department for which there are no pending obligations against it. Technical assistance funding shall proportionally be transferred with the cost-share.

All reallocated cost-share funds identified through the Reallocation Process shall be allocated to Agricultural BMP Tracking Program identified existing SL-6 “Pending” Practices from FY15 with the lowest CEF factors within the original drainage allocations. Should a CEF factor tie result when selecting projects, the Department will select the practice(s) with the greater longevity to break any ties.

Reallocation cost-share amounts and the associated technical assistance amounts shall be specifically noted in cost-share disbursement letters to Districts and become part of the financial record.

Should funding from prior fiscal years already allocated to SL-6 be available for transfer (ie. all existing FY15 “Pending” applications within that District, within original drainage allocations, have been retired or cancelled), the Board shall distribute it to unfunded SL-6 practices, within the original drainage allocations, based on a synthesized list of CEF ranked needs for which funding estimates are available in the Agricultural BMP Cost-Share Tracking Program. Technical assistance funding shall proportionally be transferred with the cost-share.

10. Allocation Process for Technical Assistance:

Technical assistance funds are made available to Districts by the Department for VACS Program implementation by District technical staff. FY13 technical assistance fund allocations approved in the amount \$1,843,154 represents a base allocation for FY18 for technical assistance. This base (or constant) represents the FY13 level at which Districts delivered services. The base amount of \$1,843,154 is subtracted from the total technical assistance available in FY18 (\$2,192,937) and results in a technical assistance balance of \$349,783. This remaining balance is distributed proportionally to the allocation of Total FY18 cost-share (VACS and SL-6) to Districts. Results for FY18 (Total Technical Assistance Allocations by District) are presented in **TABLE 9**. In future years, should technical assistance amounts available fall below the \$1,843,154 base level, total technical assistance to Districts would be proportionally reduced.

TABLE 9: FY18 Technical Assistance Computations and District Allocations

SWCD	FY18 Cost-Share Total (VACS and SL-6)*	Proportional Multiplier	FY18 TA Addition to the FY13 TA Base*	FY13 TA Base	FY18 Total Technical Assistance Allocated
APPOMATTOX RIVER	\$82,815	0.005965838	\$2,087	\$25,899	\$27,986
BIG SANDY	\$24,321	0.001752039	\$613	\$8,723	\$9,336
BIG WALKER	\$106,985	0.007707000	\$2,696	\$34,600	\$37,296
BLUE RIDGE	\$130,121	0.009373674	\$3,279	\$50,000	\$53,279
CHOWAN BASIN	\$571,719	0.041185569	\$14,406	\$30,369	\$44,775
CLINCH VALLEY	\$329,204	0.023715241	\$8,295	\$70,000	\$78,295
COLONIAL	\$178,158	0.012834170	\$4,489	\$40,000	\$44,489
CULPEPER	\$906,870	0.065329221	\$22,851	\$105,000	\$127,851
DANIEL BOONE	\$977,344	0.070406036	\$24,627	\$49,800	\$74,427
EASTERN SHORE	\$223,561	0.016104917	\$5,633	\$51,000	\$56,633
EVERGREEN	\$63,625	0.004583426	\$1,603	\$19,300	\$20,903
HALIFAX	\$84,427	0.006081963	\$2,127	\$32,600	\$34,727
HANOVER-CAROLINE	\$300,071	0.021616554	\$7,561	\$74,250	\$81,811
HEADWATERS	\$924,984	0.066634120	\$23,307	\$38,297	\$61,604
HENRICOPOLIS	\$57,675	0.004154799	\$1,453	\$7,570	\$9,023
HOLSTON RIVER	\$116,929	0.008423347	\$2,946	\$69,000	\$71,946
JAMES RIVER	\$244,620	0.017621968	\$6,164	\$16,372	\$22,536
JOHN MARSHALL	\$485,036	0.034941088	\$12,222	\$32,000	\$44,222
LAKE COUNTRY	\$185,001	0.013327126	\$4,662	\$17,000	\$21,662
LONESOME PINE	\$334,298	0.024082204	\$8,424	\$27,329	\$35,753
LORD FAIRFAX	\$754,493	0.054352267	\$19,012	\$100,000	\$119,012
LOUDOUN	\$234,424	0.016887467	\$5,907	\$46,000	\$51,907
MONACAN	\$123,236	0.008877691	\$3,105	\$16,000	\$19,105
MOUNTAIN	\$236,303	0.017022827	\$5,954	\$0	\$5,954
MOUNTAIN CASTLES	\$137,854	0.009930745	\$3,474	\$35,000	\$38,474
NATURAL BRIDGE	\$206,071	0.014844970	\$5,193	\$32,221	\$37,414
NEW RIVER	\$215,952	0.015556779	\$5,442	\$50,000	\$55,442
NORTHERN NECK	\$333,313	0.024011246	\$8,399	\$100,742	\$109,141
NORTHERN VIRGINIA	\$15,417	0.001110612	\$388	\$0	\$388
PATRICK	\$27,122	0.001953818	\$683	\$13,500	\$14,183
PEAKS OF OTTER	\$86,165	0.006207166	\$2,171	\$28,742	\$30,913
PEANUT	\$746,180	0.053753414	\$18,802	\$69,000	\$87,802
PETER FRANCISCO	\$185,288	0.013347801	\$4,669	\$23,601	\$28,270
PIEDMONT	\$220,102	0.015855737	\$5,546	\$23,790	\$29,336
PITTSYLVANIA	\$127,209	0.009163899	\$3,205	\$29,300	\$32,505
PRINCE WILLIAM	\$93,314	0.006722166	\$2,351	\$6,343	\$8,694
ROBERT E. LEE	\$232,529	0.016750955	\$5,859	\$11,930	\$17,789
SCOTT COUNTY	\$553,935	0.039904443	\$13,958	\$45,800	\$59,758
SHENANDOAH VALLEY	\$1,072,505	0.077261257	\$27,025	\$45,600	\$72,625

SKYLINE	\$387,325	0.027902170	\$9,760	\$55,433	\$65,193
SOUTHSIDE	\$81,840	0.005895601	\$2,062	\$24,790	\$26,852
TAZEWELL	\$47,794	0.003442990	\$1,204	\$30,122	\$31,326
THOMAS JEFFERSON	\$453,468	0.032666988	\$11,426	\$97,399	\$108,825
THREE RIVERS	\$438,955	0.031621498	\$11,061	\$70,375	\$81,436
TIDEWATER	\$131,671	0.009485333	\$3,318	\$27,595	\$30,913
TRI-COUNTY/CITY	\$191,145	0.013769729	\$4,816	\$25,200	\$30,016
VIRGINIA DARE	\$220,163	0.015860131	\$5,548	\$35,562	\$41,110
Grand Total	\$13,881,537	1.000000000	\$349,783	\$1,843,154	\$2,192,937

* Rounded to the nearest dollar.

NOTE: In 2018, the Department, pursuant to the Virginia Soil and Water Conservation Board's Policy on Soil and Water Conservation District Administration and Operations Funding Allocations for FY18 and the associated Grant Agreement will analyze base-budget technical assistance information submitted on the Grant Agreement's Attachment D (Itemized District Budget Request Form) to see if District base technical assistance needs further adjustments. Absent a re-benchmarking, technical assistance in future years would be distributed in the manner established within this Policy. Until funds are available for re-benchmarking, FY13 technical assistance shall remain the base.

FY18 technical assistance allocations (See **TABLE 9**) and those remaining technical assistance funds transferred to FY18 from FY17 undistributed allocations, shall be disbursed to Districts over FY18 in accordance with the following procedures. During the first quarter of FY18, after the Fourth Quarter FY17 reports have been submitted (including the District's End of Year Cash Balance Report, Carry Over Report, and SL-6 Pending Reports) to the Department and the Grant Agreement has been executed and the original signed Agreement returned to the Department, twenty-five percent of the technical assistance allocations shall be awarded; with an additional twenty-five percent awarded in each of the second, third, and fourth quarters provided updates to the BMP cost-share tracking database are being made monthly to the satisfaction of the Department. Additionally, remaining technical assistance funds transferred to FY18 from FY17 undistributed allocations shall be awarded on a twenty-five percent basis per quarter as well. Except due to extenuating circumstances or as otherwise set out in the Grant Agreement, disbursements to Districts will be executed within 45 calendar days following the beginning of a quarter contingent upon the satisfactory completion of database updates and the receipt of complete and accurate reports.

Should new FY18 funding be transferred between Districts, technical assistance funds noted in the column "FY18 TA Addition to the FY13 TA Base*" shall proportionally be transferred with the cost-share. Should unobligated FY17 cost-share transferred to FY18 be transferred between Districts, remaining technical assistance funds transferred to FY18 from FY17 undistributed allocations shall proportionally be transferred with the cost-share.

11. Noncompliance with this Policy:

In the event any District fails to comply with the provisions of this Policy, the Department reserves the right to require repayment of previously issued funds and/or direct further appropriate actions based upon noncompliance circumstances. Should an issue arise that impacts funding, the affected District(s) will be apprised of the issue(s) and will be provided an opportunity to address the concerns to the Department prior to Department action.

12. Unexpended State Funds Maintained by Districts:

FY18 cost-share funds issued to Districts that remain unobligated at the close of FY18 will remain in the District's account(s). FY19 cost-share distributions to a District shall be reduced by the amount of unobligated

cost-share and the resulting balance shall become available during FY19 reallocation or through other addendum agreements. FY18 technical assistance shall be subject to reallocation with the transfer of funds between Districts. However, it is unadvisable for any District to accumulate more than twelve months of technical assistance funds. Public funds from local, state, and federal sources are provided to Districts not for savings, but for performance of conservation and other required deliverables. The Department will monitor the growth of unexpended funds through audit reports and other fiscal reports generated by or at the request of the Department. The Department may reduce future funding to Districts that fail to act upon guidance and recommendations from auditors and the Department. Decisions and Department actions will be addressed on a case-by-case basis working with the affected District.

13. Criteria for Cost-share and Technical Assistance:

Funding allocated to Districts as cost-share and technical assistance is contingent upon appropriations by the General Assembly. Should funding availability fall short of appropriation projections during the course of FY18, after the Department has utilized all unallocated and unobligated balances it may have available (such as CTI), every District will receive an equal percent reduction which will be calculated and deducted from each District's unobligated total approved cost-share and technical assistance funding specified within the Department/District Grant Agreement. When a reduction of funds is necessary, the Department will make reductions from available unobligated cost-share first and reduce technical assistance last. Should a reduction of funds occur, every District must return funding within 30 days of receiving notice of such reduction from the Department. Should all cost-share and technical assistance funding within a District be obligated and it becomes necessary to reduce such funds, then adjustments will be made to the next fiscal year's spending plan to honor existing commitments from the prior fiscal year first or during reallocation as determined by the Department. The Department shall refer to working papers for fund source allocations for cost-share and for technical assistance to guide reductions as may be necessary.

In the event a new District is formed or an existing District alters its boundaries, the Board will examine the total financial resources under its control and its priorities for use of these funds and adhere to its Policy titled Financial Commitments For Establishment of a New Soil & Water Conservation District (SWCD/district), or Realignment of an Existing District on all funding decisions in this Policy. The newly created or altered District may be funded at a reduced level, or may be required to share funding in an arrangement determined by the Board until sufficient funding is made available to fulfill provisions of this Policy and priorities of the Board.

Expenditure of District funds, regardless of source, will be made without regard to any person's race, color, religion, sex, age, national origin, handicap, or political affiliation.

All funds received by Districts are public funds and provisions of the Freedom of Information Act shall apply to financial records, unless otherwise specified within the Act or elsewhere in the *Code of Virginia*. Each District shall safeguard, provide accountability, and expend funds only for approved purposes.

14. Electronic Copy:

An electronic copy of this Policy guidance in PDF format is available on the Regulatory Town Hall under the Virginia Soil and Water Conservation Board at <http://townhall.virginia.gov/L/GDocs.cfm>.

15. Contact Information:

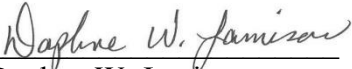
Please contact the Department of Conservation and Recreation's Soil and Water Conservation Division by calling the Division's administrative support at 804-225-3653 with any questions regarding the application of this Policy. The call shall be referred to program staff accordingly.

16. Authorization:

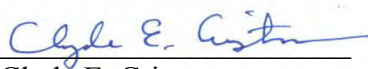
Upon the approval of this Policy, the Department shall, in accordance with its fiduciary powers and responsibilities, make and enter into any and all Grant Agreements and contracts, and take all actions necessary, to fully implement and administer this Policy.

17. Adoption, Amendments, and Repeal:

This document supersedes the Policy titled Policy and Procedures on Soil and Water Conservation District Cost-Share and Technical Assistance Funding Allocations (Fiscal Year 2017) adopted May 24, 2016 and will remain in effect until rescinded or superseded.



Daphne W. Jamison
Chair



Clyde E. Cristman
DCR Director

May 23, 2017
Date

Attachment A

Computer Model Estimates and Ranks Based on the 2016 305(b) Report Data of the Agricultural Pollutant Loads of Nitrogen (N), Phosphorus (P), and Sediment (S) in Each of the 1,237 Modeled 6th-order Hydrologic Units (HU)

(kg/Ag ha-yr – kilograms per agricultural hectare – year; mt/Ag ha-yr – metric tons per agricultural hectare – year)

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
PS23	9.534	1.126	1.873	1203	1180	1219	3602	HIGH	1
CU56	10.840	1.982	1.103	1216	1223	1151	3590	HIGH	2
PS20	9.343	1.074	1.332	1202	1171	1194	3567	HIGH	3
TP19	9.072	0.952	2.529	1198	1133	1222	3553	HIGH	4
PS15	12.290	0.932	1.404	1223	1122	1200	3545	HIGH	5
CU60	7.856	1.371	1.252	1164	1195	1181	3540	HIGH	6
PS19	8.704	0.993	1.559	1186	1143	1207	3536	HIGH	7
AS03	8.964	1.535	1.008	1194	1208	1120	3522	HIGH	8
CU58	7.414	1.348	1.315	1133	1192	1193	3518	HIGH	9
TP08	8.205	0.866	1.809	1175	1096	1218	3489	HIGH	10
CU55	7.493	1.233	1.109	1141	1190	1155	3486	HIGH	11
PS16	8.725	0.997	1.093	1189	1145	1150	3484	HIGH	12
CU59	8.116	1.465	0.968	1169	1205	1107	3481	HIGH	13
CU57	7.276	1.308	1.126	1122	1191	1157	3470	HIGH	14
PS33	7.436	1.056	1.042	1134	1164	1138	3436	HIGH	15
PL25	7.826	0.729	1.595	1163	1039	1210	3412	HIGH	16
PS56	8.131	1.001	0.938	1170	1146	1090	3406	HIGH	17
PS22	7.531	0.848	1.158	1146	1092	1166	3404	HIGH	18
PS26	10.098	0.905	0.916	1208	1111	1081	3400	HIGH	19
TP07	7.669	0.805	1.154	1154	1075	1164	3393	HIGH	20
PS21	9.958	0.727	1.085	1205	1035	1148	3388	HIGH	21
TP09	7.896	0.688	1.579	1165	1014	1209	3388	HIGH	22
PS11	9.017	0.842	0.956	1195	1088	1096	3379	HIGH	23
JU34	7.705	0.801	1.068	1159	1072	1145	3376	HIGH	24
PS05	7.601	0.881	0.947	1150	1101	1093	3344	HIGH	25
JL27	6.388	0.911	1.294	1042	1114	1187	3343	HIGH	26
PS25	7.376	0.790	1.017	1129	1069	1125	3323	HIGH	27
YO54	6.121	1.037	1.025	1011	1161	1127	3299	HIGH	28
PL49	6.844	0.679	1.299	1092	1009	1190	3291	HIGH	29
JL37	6.526	1.008	0.931	1054	1147	1088	3289	HIGH	30
JL25	6.363	0.939	1.009	1040	1126	1121	3287	HIGH	31

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
TP17	8.041	0.564	1.774	1167	902	1217	3286	HIGH	32
JL35	6.420	0.984	0.950	1046	1141	1095	3282	HIGH	33
JU40	6.184	0.715	3.071	1021	1029	1223	3273	HIGH	34
PL27	7.453	0.622	1.170	1137	968	1168	3273	HIGH	35
PL51	6.610	0.662	1.549	1064	1001	1205	3270	HIGH	36
PS03	6.929	0.964	0.845	1097	1137	1036	3270	HIGH	37
TP15	7.465	0.578	1.597	1139	915	1211	3265	HIGH	38
NE84	10.686	0.690	0.828	1215	1015	1025	3255	HIGH	39
CU44	7.301	1.156	0.721	1125	1183	942	3250	HIGH	40
TP16	7.594	0.593	1.143	1149	936	1161	3246	HIGH	41
YO59	5.854	0.922	1.104	973	1120	1152	3245	HIGH	42
JU26	7.502	1.115	0.705	1143	1179	922	3244	HIGH	43
CU52	7.646	1.158	0.694	1152	1184	907	3243	HIGH	44
RA39	7.168	0.897	0.820	1113	1108	1019	3240	HIGH	45
JL41	6.929	1.073	0.741	1098	1170	961	3229	HIGH	46
PS55	6.282	0.808	1.015	1028	1076	1124	3228	HIGH	47
PS59	7.375	0.705	0.910	1128	1024	1074	3226	HIGH	48
YO60	5.823	1.039	0.927	971	1163	1087	3221	HIGH	49
RA43	5.985	0.740	1.249	993	1045	1180	3218	HIGH	50
JL32	5.718	0.936	1.044	953	1124	1139	3216	HIGH	51
JL10	6.304	1.026	0.827	1034	1157	1023	3214	HIGH	52
TH45	6.297	0.614	1.928	1032	962	1220	3214	HIGH	53
PS32	5.902	1.032	0.910	978	1160	1075	3213	HIGH	54
YO37	5.798	0.974	0.963	968	1139	1102	3209	HIGH	55
TP06	7.288	0.635	0.964	1123	980	1103	3206	HIGH	56
RA36	7.116	0.602	1.089	1108	948	1149	3205	HIGH	57
CU45	7.461	1.215	0.676	1138	1188	877	3203	HIGH	58
PS10	7.040	0.634	0.993	1104	979	1115	3198	HIGH	59
PS61	7.398	0.738	0.822	1131	1042	1020	3193	HIGH	60
JL15	5.379	0.892	1.157	912	1106	1165	3183	HIGH	61
AO23	5.751	1.016	0.908	958	1151	1073	3182	HIGH	62
TC32	5.880	0.728	1.160	976	1037	1167	3180	HIGH	63
TC33	6.048	0.658	1.205	999	997	1175	3171	HIGH	64
CB07	6.529	1.070	0.720	1055	1169	940	3164	HIGH	65
TP14	8.713	0.561	0.910	1188	898	1076	3162	HIGH	66
PS14	6.647	1.193	0.692	1069	1187	904	3160	HIGH	67
TC34	6.059	0.595	1.599	1000	943	1213	3156	HIGH	68
YO61	5.632	1.011	0.886	941	1148	1058	3147	HIGH	69
PS57	6.789	0.728	0.818	1090	1038	1018	3146	HIGH	70

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
PS24	7.525	0.663	0.773	1145	1002	983	3130	HIGH	71
JL26	5.191	0.771	1.267	879	1062	1184	3125	HIGH	72
TC27	6.567	0.682	0.878	1061	1012	1051	3124	HIGH	73
RA38	8.072	0.746	0.693	1168	1050	905	3123	HIGH	74
JL24	5.741	0.943	0.842	956	1131	1034	3121	HIGH	75
RA40	6.729	0.704	0.801	1084	1023	1007	3114	HIGH	76
JL01	7.441	0.914	0.666	1135	1115	861	3111	HIGH	77
CU53	6.997	1.075	0.650	1103	1172	835	3110	HIGH	78
PS38	5.094	0.817	1.199	854	1079	1174	3107	HIGH	79
YO36	5.557	1.026	0.811	937	1156	1014	3107	HIGH	80
PS09	7.400	0.765	0.694	1132	1057	909	3098	HIGH	81
PS58	6.817	0.595	0.898	1091	941	1065	3097	HIGH	82
RA59	5.132	0.835	1.046	868	1085	1140	3093	HIGH	83
YO57	5.862	0.951	0.778	974	1132	986	3092	HIGH	84
PS39	5.646	0.879	0.864	943	1100	1047	3090	HIGH	85
PU06	5.826	0.646	1.026	972	988	1129	3089	HIGH	86
RA21	7.099	0.710	0.721	1107	1027	944	3078	HIGH	87
PL17	7.325	0.646	0.742	1126	987	962	3075	HIGH	88
YO58	5.572	0.892	0.832	938	1107	1027	3072	HIGH	89
JL30	5.240	0.883	0.911	890	1102	1077	3069	HIGH	90
PS87	11.470	0.488	0.857	1219	800	1043	3062	HIGH	91
TP13	10.864	0.489	0.858	1217	801	1044	3062	HIGH	92
TP04	7.517	0.520	0.913	1144	837	1078	3059	HIGH	93
PL38	6.628	0.700	0.754	1068	1020	968	3056	HIGH	94
RA37	7.142	0.540	0.900	1111	871	1067	3049	HIGH	95
PL30	6.662	0.534	0.985	1072	859	1114	3045	HIGH	96
JL39	6.207	0.920	0.691	1024	1117	901	3042	HIGH	97
PS34	6.042	1.013	0.688	998	1149	895	3042	HIGH	98
CB14	6.530	0.900	0.671	1056	1110	869	3035	HIGH	99
JL11	6.091	0.939	0.689	1006	1127	899	3032	HIGH	100
YO32	5.519	0.847	0.800	933	1091	1005	3029	HIGH	101
JL33	5.776	1.029	0.693	962	1159	906	3027	HIGH	102
TP18	6.937	0.602	0.765	1099	947	976	3022	HIGH	103
PL34	8.038	0.680	0.653	1166	1011	842	3019	HIGH	104
YO55	6.160	0.941	0.674	1016	1128	874	3018	HIGH	105
PS62	6.412	1.057	0.632	1045	1166	805	3016	HIGH	106
TC26	5.653	0.578	1.107	945	916	1153	3014	HIGH	107
PS07	6.667	0.614	0.757	1073	961	969	3003	HIGH	108
JL29	6.166	1.069	0.637	1017	1167	813	2997	HIGH	109

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
YO53	4.651	0.656	1.614	786	995	1214	2995	HIGH	110
JL14	5.685	0.942	0.694	949	1129	908	2986	HIGH	111
PS37	5.354	0.846	0.772	908	1090	982	2980	HIGH	112
JU50	5.202	0.551	1.572	882	885	1208	2975	HIGH	113
YO62	5.229	0.724	0.884	888	1033	1054	2975	HIGH	114
PS64	5.947	0.668	0.765	984	1007	977	2968	HIGH	115
PS67	6.709	0.641	0.691	1080	984	903	2967	HIGH	116
PL66	4.802	0.624	1.254	813	971	1182	2966	HIGH	117
JL05	5.687	0.834	0.714	950	1084	931	2965	HIGH	118
TP01	7.236	0.530	0.785	1117	855	993	2965	HIGH	119
PL24	6.616	0.454	1.139	1066	737	1159	2962	HIGH	120
YO56	5.151	0.828	0.803	869	1081	1009	2959	HIGH	121
JL22	5.579	0.833	0.711	939	1083	929	2951	HIGH	122
PL69	4.521	0.621	2.335	763	967	1221	2951	HIGH	123
TC31	5.432	0.558	1.041	919	892	1137	2948	HIGH	124
TH44	5.338	0.538	1.205	905	866	1176	2947	HIGH	125
YO51	4.630	0.622	1.347	783	969	1195	2947	HIGH	126
RA20	9.170	0.460	0.792	1200	745	999	2944	HIGH	127
RA46	6.198	0.655	0.709	1023	994	925	2942	HIGH	128
JU22	5.274	0.529	1.309	896	852	1192	2940	HIGH	129
PS60	4.957	0.703	0.925	833	1022	1084	2939	HIGH	130
PS40	5.751	0.961	0.654	957	1136	844	2937	HIGH	131
RA29	6.742	0.444	1.054	1085	710	1142	2937	HIGH	132
PL19	8.250	0.660	0.600	1177	998	757	2932	HIGH	133
PL63	5.761	0.717	0.721	959	1030	943	2932	HIGH	134
JL04	6.296	0.920	0.616	1031	1119	781	2931	HIGH	135
TP10	8.634	0.560	0.656	1182	897	849	2928	HIGH	136
PS63	6.325	1.016	0.585	1037	1150	737	2924	HIGH	137
PL18	8.814	0.739	0.557	1190	1043	684	2917	HIGH	138
CB13	5.282	0.888	0.697	897	1105	914	2916	HIGH	139
JL36	6.757	0.960	0.562	1086	1135	693	2914	HIGH	140
PS04	6.861	0.498	0.801	1093	814	1006	2913	HIGH	141
JL20	5.377	0.748	0.728	910	1051	950	2911	HIGH	142
PL29	6.337	0.485	0.915	1038	793	1079	2910	HIGH	143
CU54	6.712	1.023	0.549	1081	1154	672	2907	HIGH	144
NE59	6.325	0.548	0.780	1036	879	990	2905	HIGH	145
YO45	4.656	0.639	1.028	788	983	1131	2902	HIGH	146
CM18	4.761	0.619	1.012	802	964	1123	2889	HIGH	147
PS08	6.760	0.555	0.695	1087	890	910	2887	HIGH	148

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
CU31	5.946	0.887	0.626	983	1104	795	2882	HIGH	149
PL67	4.669	0.591	1.136	790	933	1158	2881	HIGH	150
CL05	5.204	0.570	0.927	883	907	1086	2876	HIGH	151
JL12	6.136	0.899	0.599	1013	1109	754	2876	HIGH	152
TP12	6.899	0.570	0.675	1095	906	875	2876	HIGH	153
YO35	5.003	0.582	0.974	839	924	1109	2872	HIGH	154
JL03	6.182	0.725	0.636	1019	1034	812	2865	HIGH	155
CU61	7.165	1.139	0.504	1112	1181	555	2848	HIGH	156
PS41	6.454	0.886	0.560	1048	1103	691	2842	HIGH	157
PL48	6.172	0.529	0.746	1018	853	965	2836	HIGH	158
JL46	6.696	1.025	0.523	1078	1155	600	2833	HIGH	159
PL53	4.445	0.552	1.364	744	888	1199	2831	HIGH	160
YO52	4.597	0.612	0.949	778	956	1094	2828	HIGH	161
CB10	5.127	0.917	0.653	866	1116	840	2822	HIGH	162
PL57	4.587	0.524	1.350	775	843	1197	2815	HIGH	163
AO15	8.703	1.738	0.434	1185	1215	414	2814	HIGH	164
RU03	4.719	0.548	1.033	798	880	1134	2812	HIGH	165
RA60	4.783	0.766	0.719	806	1059	936	2801	HIGH	166
PL28	6.660	0.565	0.641	1071	903	825	2799	HIGH	167
PU05	11.453	0.461	0.645	1218	749	831	2798	HIGH	168
PL55	4.503	0.586	0.975	759	927	1110	2796	HIGH	169
PL33	6.877	0.548	0.637	1094	878	817	2789	HIGH	170
PL16	6.513	0.456	0.789	1053	739	995	2787	HIGH	171
TC24	5.176	0.561	0.795	875	900	1001	2776	HIGH	172
YO48	4.220	0.582	1.199	678	923	1173	2774	HIGH	173
JL40	5.887	0.920	0.551	977	1118	677	2772	HIGH	174
AS06	10.210	1.760	0.404	1209	1217	342	2768	HIGH	175
JL42	6.434	0.969	0.513	1047	1138	576	2761	HIGH	176
TC23	5.246	0.509	0.846	892	825	1037	2754	HIGH	177
CL04	5.158	0.589	0.728	871	930	951	2752	HIGH	178
YO63	4.848	0.805	0.657	818	1074	853	2745	HIGH	179
TC20	8.423	0.498	0.583	1181	817	734	2732	HIGH	180
CB09	5.398	0.908	0.565	916	1113	702	2731	HIGH	181
JM41	5.115	0.541	0.789	863	872	996	2731	HIGH	182
RL24	7.348	0.423	0.716	1127	666	934	2727	HIGH	183
PL26	6.989	0.551	0.585	1101	886	736	2723	HIGH	184
JM62	4.319	0.487	1.626	708	796	1216	2720	HIGH	185
YO46	4.235	0.590	0.966	682	931	1105	2718	HIGH	186
CB12	7.261	1.384	0.428	1119	1196	402	2717	HIGH	187

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
JL34	5.247	0.598	0.676	893	944	879	2716	HIGH	188
BS32	5.781	0.419	0.938	963	658	1089	2710	HIGH	189
RA18	7.694	0.578	0.536	1158	914	638	2710	HIGH	190
RA47	5.813	0.594	0.630	970	938	801	2709	HIGH	191
PL37	6.694	0.650	0.536	1077	991	639	2707	HIGH	192
TC22	4.685	0.527	0.897	795	848	1064	2707	HIGH	193
PL39	5.976	0.662	0.573	987	1000	719	2706	HIGH	194
TC17	4.412	0.561	0.905	738	899	1068	2705	HIGH	195
PL36	6.245	0.571	0.609	1026	908	769	2703	HIGH	196
TP03	6.554	0.494	0.649	1060	807	834	2701	HIGH	197
JU35	5.113	0.592	0.691	862	935	902	2699	HIGH	198
TC16	5.018	0.511	0.829	842	828	1026	2696	HIGH	199
PL44	7.584	0.551	0.543	1147	884	660	2691	HIGH	200
TP11	5.454	0.429	0.924	923	681	1082	2686	HIGH	201
JM15	4.413	0.524	0.965	739	842	1104	2685	HIGH	202
JA36	4.212	0.572	0.956	675	910	1097	2682	HIGH	203
CB06	6.152	1.023	0.481	1014	1153	508	2675	HIGH	204
JL57	8.182	0.774	0.442	1173	1063	434	2670	HIGH	205
JA45	6.400	0.595	0.558	1044	940	685	2669	HIGH	206
YO13	4.570	0.552	0.801	771	887	1008	2666	HIGH	207
JL43	7.088	1.083	0.421	1106	1176	382	2664	HIGH	208
YO42	4.237	0.532	0.997	686	856	1118	2660	HIGH	209
TH23	4.235	0.476	1.408	683	772	1201	2656	HIGH	210
YO50	4.275	0.569	0.873	700	905	1050	2655	HIGH	211
BS34	4.781	0.407	1.615	804	632	1215	2651	HIGH	212
PL73	4.094	0.613	0.887	631	959	1060	2650	HIGH	213
PS06	5.711	0.467	0.721	951	757	941	2649	HIGH	214
JU37	4.404	0.448	1.298	733	723	1189	2645	HIGH	215
RA30	5.978	0.369	1.023	991	525	1126	2642	HIGH	216
JL28	5.449	0.798	0.539	922	1071	648	2641	HIGH	217
CU34	3.994	0.620	0.908	603	965	1072	2640	HIGH	218
PL50	4.343	0.487	1.026	715	797	1128	2640	HIGH	219
PL52	4.065	0.510	1.248	627	827	1179	2633	HIGH	220
TP02	6.530	0.460	0.644	1057	746	829	2632	HIGH	221
JR21	4.784	0.444	0.984	807	711	1112	2630	HIGH	222
JL07	6.064	0.835	0.497	1002	1086	540	2628	HIGH	223
CB26	7.797	0.939	0.404	1162	1125	340	2627	HIGH	224
RA48	4.698	0.593	0.684	797	937	893	2627	HIGH	225
RA27	4.682	0.470	0.908	793	760	1071	2624	HIGH	226

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
YO33	4.404	0.600	0.719	734	945	935	2614	HIGH	227
TC25	5.907	0.494	0.640	979	809	822	2610	HIGH	228
TC19	6.109	0.425	0.709	1009	672	927	2608	HIGH	229
TC15	4.304	0.572	0.778	707	909	987	2603	HIGH	230
PL58	4.438	0.475	0.926	742	771	1085	2598	HIGH	231
CB17	6.714	1.027	0.408	1082	1158	353	2593	HIGH	232
PS68	5.299	0.539	0.641	899	869	824	2592	HIGH	233
PS01	6.618	0.538	0.542	1067	867	656	2590	HIGH	234
CU38	4.038	0.486	1.190	618	795	1171	2584	HIGH	235
TC30	5.423	0.453	0.715	918	734	932	2584	HIGH	236
PL72	4.161	0.603	0.767	655	949	979	2583	HIGH	237
JM50	4.354	0.451	1.040	718	728	1136	2582	HIGH	238
PS27	5.107	0.541	0.656	857	874	848	2579	HIGH	239
JR16	4.492	0.485	0.835	755	791	1029	2575	HIGH	240
PS35	5.314	0.844	0.518	901	1089	585	2575	HIGH	241
YO47	4.361	0.591	0.704	720	932	921	2573	HIGH	242
JM33	4.603	0.447	0.900	779	721	1066	2566	MED	243
CM26	5.095	0.429	0.833	855	679	1028	2562	MED	244
PL15	5.962	0.433	0.680	985	690	887	2562	MED	245
JU12	5.721	0.498	0.623	955	816	789	2560	MED	246
CB08	5.786	0.924	0.465	964	1121	473	2558	MED	247
PS31	5.189	0.830	0.522	877	1082	596	2555	MED	248
AS13	11.471	1.749	0.287	1220	1216	115	2551	MED	249
PL22	6.471	0.445	0.614	1049	717	778	2544	MED	250
JL23	4.923	0.667	0.566	828	1006	709	2543	MED	251
JL49	7.765	1.093	0.339	1161	1178	202	2541	MED	252
JU08	7.299	0.738	0.420	1124	1041	375	2540	MED	253
PL59	5.641	0.573	0.560	942	911	687	2540	MED	254
PS54	8.134	1.562	0.313	1172	1209	156	2537	MED	255
PL54	3.891	0.470	1.453	571	759	1204	2534	MED	256
JL13	5.075	0.765	0.530	852	1058	622	2532	MED	257
JM17	4.605	0.558	0.659	780	894	857	2531	MED	258
RA17	8.132	0.664	0.412	1171	1003	357	2531	MED	259
PL60	3.997	0.469	1.150	605	758	1163	2526	MED	260
TH37	4.148	0.426	1.444	649	674	1203	2526	MED	261
NE58	5.768	0.394	0.753	960	598	967	2525	MED	262
PL31	5.867	0.546	0.547	975	877	667	2519	MED	263
JL31	6.788	0.660	0.439	1089	999	428	2516	MED	264
JL48	8.314	1.227	0.305	1178	1189	149	2516	MED	265

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
JM49	4.682	0.402	0.973	794	613	1108	2515	MED	266
PS51	9.179	1.839	0.268	1201	1221	93	2515	MED	267
JU15	5.152	0.515	0.636	870	831	811	2512	MED	268
CB25	7.500	1.020	0.347	1142	1152	215	2509	MED	269
JU62	5.270	0.745	0.509	895	1047	566	2508	MED	270
JU61	5.681	0.752	0.479	947	1055	504	2506	MED	271
BS29	5.469	0.381	0.813	925	560	1015	2500	MED	272
AS14	11.509	1.652	0.241	1221	1211	67	2499	MED	273
JU38	4.301	0.540	0.706	706	870	923	2499	MED	274
AS04	9.972	1.787	0.242	1206	1220	69	2495	MED	275
CL03	4.417	0.458	0.810	740	744	1010	2494	MED	276
CU50	4.868	0.780	0.526	820	1065	609	2494	MED	277
JL47	6.290	0.985	0.394	1029	1142	315	2486	MED	278
PS53	7.492	1.456	0.303	1140	1203	140	2483	MED	279
RA61	5.037	0.769	0.512	845	1061	571	2477	MED	280
AS02	8.689	1.399	0.268	1184	1197	94	2475	MED	281
NE18	4.248	0.581	0.666	691	921	863	2475	MED	282
RA06	4.442	0.526	0.678	743	847	883	2473	MED	283
RA53	3.649	0.487	1.598	463	798	1212	2473	MED	284
AS12	10.047	1.465	0.217	1207	1204	58	2469	MED	285
JM83	4.521	0.413	0.888	762	645	1061	2468	MED	286
RA42	5.014	0.536	0.604	841	864	762	2467	MED	287
AS08	11.941	1.964	0.141	1222	1222	22	2466	MED	288
PS69	4.898	0.448	0.700	824	724	917	2465	MED	289
PS65	5.981	1.056	0.391	992	1165	307	2464	MED	290
BS30	4.745	0.385	0.942	801	570	1092	2463	MED	291
JM20	4.556	0.563	0.624	768	901	792	2461	MED	292
JL08	5.101	0.508	0.616	856	824	780	2460	MED	293
AS10	10.603	1.613	0.161	1213	1210	35	2458	MED	294
JA40	5.931	0.666	0.464	982	1005	470	2457	MED	295
JU49	3.983	0.416	1.415	598	653	1202	2453	MED	296
CB19	9.037	1.692	0.172	1197	1213	41	2451	MED	297
PL41	4.346	0.389	1.107	716	580	1154	2450	MED	298
AS11	10.615	1.736	0.136	1214	1214	21	2449	MED	299
PS36	5.191	0.875	0.465	878	1099	472	2449	MED	300
AS15	10.413	1.409	0.163	1212	1198	37	2447	MED	301
AS07	10.221	1.771	0.126	1210	1218	16	2444	MED	302
PU01	5.609	0.816	0.438	940	1078	426	2444	MED	303
AS01	10.324	1.773	0.094	1211	1219	9	2439	MED	304

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
PL20	7.642	0.553	0.427	1151	889	398	2438	MED	305
TH41	3.887	0.443	1.114	569	708	1156	2433	MED	306
JM48	4.995	0.460	0.653	837	747	843	2427	MED	307
BS28	5.470	0.370	0.758	926	527	971	2424	MED	308
PL45	8.359	0.745	0.336	1180	1048	195	2423	MED	309
AS18	8.956	1.038	0.235	1193	1162	66	2421	MED	310
CU39	4.271	0.555	0.645	697	891	832	2420	MED	311
AS09	9.020	1.411	0.142	1196	1199	24	2419	MED	312
PL61	3.683	0.462	1.280	482	750	1185	2417	MED	313
PS86	8.680	0.394	0.534	1183	599	635	2417	MED	314
CB15	7.693	1.361	0.225	1157	1194	64	2415	MED	315
RA57	3.620	0.505	1.066	450	821	1144	2415	MED	316
CU41	3.609	0.520	1.053	438	835	1141	2414	MED	317
JL44	7.266	1.070	0.291	1120	1168	123	2411	MED	318
AO21	6.765	1.349	0.293	1088	1193	129	2410	MED	319
JU59	4.274	0.424	0.857	699	669	1042	2410	MED	320
YO19	4.459	0.440	0.735	748	704	955	2407	MED	321
PS49	7.653	1.444	0.203	1153	1201	52	2406	MED	322
JL51	9.113	1.185	0.132	1199	1186	20	2405	MED	323
JL45	7.203	1.174	0.278	1114	1185	104	2403	MED	324
PS52	7.128	1.452	0.268	1110	1202	91	2403	MED	325
RU05	3.879	0.488	0.850	563	799	1040	2402	MED	326
CM20	4.214	0.529	0.673	676	851	873	2400	MED	327
PS50	7.729	1.507	0.157	1160	1206	32	2398	MED	328
PS42	4.740	0.766	0.494	800	1060	534	2394	MED	329
CM24	4.106	0.516	0.703	635	834	920	2389	MED	330
TP05	5.913	0.408	0.613	980	636	773	2389	MED	331
RA41	5.524	0.604	0.479	934	951	503	2388	MED	332
YO68	4.782	0.776	0.487	805	1064	519	2388	MED	333
JA13	3.863	0.529	0.762	560	854	973	2387	MED	334
NE11	4.232	0.371	1.235	681	529	1177	2387	MED	335
JL52	8.907	1.092	0.126	1191	1177	17	2385	MED	336
RA07	5.391	0.452	0.592	915	729	740	2384	MED	337
NE85	4.451	0.423	0.759	745	665	972	2382	MED	338
CU25	3.592	0.539	0.915	429	868	1080	2377	MED	339
AO03	7.691	1.654	0.093	1156	1212	7	2375	MED	340
JU06	8.187	0.977	0.219	1174	1140	60	2374	MED	341
JU30	5.649	0.526	0.514	944	846	579	2369	MED	342
JU63	4.890	0.741	0.476	823	1046	498	2367	MED	343

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
RU93	3.974	0.386	1.349	594	572	1196	2362	MED	344
JA24	4.276	0.579	0.589	701	920	738	2359	MED	345
JU25	5.442	0.630	0.457	920	978	461	2359	MED	346
PL43	6.542	0.452	0.509	1058	730	564	2352	MED	347
PS85	5.354	0.432	0.597	909	686	750	2345	MED	348
CB23	9.583	0.954	0.086	1204	1134	6	2344	MED	349
YO49	3.731	0.471	0.905	512	763	1069	2344	MED	350
YO20	3.892	0.444	0.884	572	713	1055	2340	MED	351
CB44	7.213	1.078	0.198	1116	1173	48	2337	MED	352
YO22	3.758	0.489	0.814	519	802	1016	2337	MED	353
CB24	6.725	0.842	0.317	1083	1087	165	2335	MED	354
JU09	6.576	0.629	0.387	1062	977	295	2334	MED	355
JU32	6.362	0.608	0.404	1039	953	341	2333	MED	356
CB04	5.382	0.942	0.382	913	1130	284	2327	MED	357
JM13	4.320	0.445	0.688	710	718	896	2324	MED	358
CM19	3.852	0.415	0.980	556	651	1111	2318	MED	359
BS15	4.377	0.346	1.026	726	457	1130	2313	MED	360
CB18	6.920	1.082	0.186	1096	1175	42	2313	MED	361
YO64	4.580	0.724	0.479	773	1032	506	2311	MED	362
JM84	5.211	0.434	0.582	885	691	733	2309	MED	363
BS07	4.398	0.344	1.031	732	443	1133	2308	MED	364
NE42	4.120	0.535	0.634	639	861	808	2308	MED	365
CB34	6.992	1.415	0.080	1102	1200	3	2305	MED	366
AO18	6.307	1.140	0.261	1035	1182	86	2303	MED	367
JM67	5.787	0.813	0.370	966	1077	258	2301	MED	368
PU09	4.466	0.397	0.722	749	606	945	2300	MED	369
RA19	5.517	0.446	0.539	932	719	646	2297	MED	370
CB22	8.944	0.870	0.082	1192	1097	5	2294	MED	371
PL21	7.212	0.495	0.418	1115	810	369	2294	MED	372
TC11	4.299	0.394	0.779	705	600	988	2293	MED	373
YO29	5.183	0.702	0.426	876	1021	395	2292	MED	374
TC14	4.379	0.440	0.659	728	705	858	2291	MED	375
BS27	4.162	0.354	1.080	658	486	1146	2290	MED	376
PL68	3.758	0.532	0.698	518	857	915	2290	MED	377
RA16	5.243	0.395	0.627	891	603	796	2290	MED	378
CB28	6.605	1.527	0.132	1063	1207	19	2289	MED	379
JL09	5.160	0.750	0.416	872	1053	364	2289	MED	380
JU33	6.184	0.698	0.366	1020	1019	249	2288	MED	381
CB11	4.681	0.751	0.445	792	1054	441	2287	MED	382

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
BS23	4.187	0.350	1.082	666	471	1147	2284	MED	383
CM23	4.398	0.483	0.606	731	785	767	2283	MED	384
PU17	5.285	0.340	0.737	898	424	956	2278	MED	385
CU33	3.970	0.626	0.566	592	974	710	2276	MED	386
JR22	4.114	0.408	0.799	637	634	1004	2275	MED	387
PL42	6.092	0.481	0.470	1007	782	484	2273	MED	388
PS13	4.112	0.525	0.623	636	844	791	2271	MED	389
JU84	4.374	0.494	0.585	725	808	735	2268	MED	390
PL71	3.944	0.558	0.622	585	895	788	2268	MED	391
NE21	4.468	0.443	0.632	750	709	804	2263	MED	392
JU80	4.489	0.344	0.890	754	446	1062	2262	MED	393
JR14	4.998	0.329	0.862	838	376	1046	2260	MED	394
TH36	3.832	0.370	1.259	548	526	1183	2257	MED	395
BS25	4.131	0.344	1.194	641	442	1172	2255	MED	396
CB16	6.292	0.995	0.252	1030	1144	80	2254	MED	397
JU04	6.473	0.677	0.335	1051	1008	194	2253	MED	398
CB01	5.391	0.861	0.362	914	1095	240	2249	MED	399
BS20	3.991	0.352	1.181	601	476	1170	2247	MED	400
JL19	5.663	0.520	0.461	946	838	463	2247	MED	401
RA15	5.328	0.404	0.578	903	618	724	2245	MED	402
RD40	6.080	0.338	0.641	1004	415	826	2245	MED	403
AO13	5.217	1.080	0.328	886	1174	183	2243	MED	404
BS06	4.332	0.329	1.143	713	370	1160	2243	MED	405
JL53	8.705	0.750	0.080	1187	1052	4	2243	MED	406
YO28	4.084	0.457	0.673	630	740	871	2241	MED	407
AS16	6.398	0.861	0.276	1043	1094	101	2238	MED	408
PS44	5.109	0.736	0.402	860	1040	334	2234	MED	409
PS82	4.259	0.387	0.746	694	576	964	2234	MED	410
YA01	4.371	0.484	0.573	722	790	720	2232	MED	411
TH19	6.940	0.279	0.757	1100	161	970	2231	MED	412
JU03	6.158	0.601	0.375	1015	946	268	2229	MED	413
AS20	6.299	0.934	0.243	1033	1123	71	2227	MED	414
PS02	5.073	0.656	0.421	851	996	380	2227	MED	415
NE56	6.185	0.340	0.615	1022	425	779	2226	MED	416
AS17	6.681	0.802	0.245	1076	1073	74	2223	MED	417
CU28	3.606	0.485	0.786	437	792	994	2223	MED	418
PL35	5.477	0.471	0.493	929	762	531	2222	MED	419
AS19	6.471	0.905	0.218	1050	1112	59	2221	MED	420
JL50	7.124	0.785	0.192	1109	1067	45	2221	MED	421

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
JU27	5.124	0.575	0.446	864	913	444	2221	MED	422
PU03	6.065	0.628	0.360	1003	976	238	2217	MED	423
BS01	3.636	0.420	0.957	456	661	1099	2216	MED	424
BS33	4.189	0.353	0.891	667	482	1063	2212	MED	425
JR20	4.585	0.428	0.599	774	678	755	2207	MED	426
NE82	4.588	0.413	0.618	776	647	784	2207	MED	427
PU07	6.481	0.871	0.216	1052	1098	57	2207	MED	428
TC28	5.716	0.404	0.535	952	619	636	2207	MED	429
CU15	4.549	0.400	0.644	767	609	830	2206	MED	430
JU69	5.719	0.784	0.328	954	1066	186	2206	MED	431
JU76	5.199	0.474	0.505	881	769	556	2206	MED	432
TH11	3.780	0.464	0.709	528	752	926	2206	MED	433
AS05	5.991	0.857	0.283	994	1093	109	2196	MED	434
PS43	4.693	0.649	0.433	796	990	410	2196	MED	435
RA45	4.357	0.471	0.572	719	761	716	2196	MED	436
YO39	4.381	0.496	0.541	729	812	653	2194	MED	437
TH22	6.674	0.248	0.887	1075	56	1059	2190	MED	438
CL02	4.409	0.458	0.566	736	743	708	2187	MED	439
JL58	7.682	0.612	0.245	1155	957	73	2185	MED	440
TC18	4.658	0.471	0.533	789	764	631	2184	MED	441
CU37	3.703	0.412	0.854	497	643	1041	2181	MED	442
YO43	3.736	0.446	0.724	514	720	946	2180	MED	443
NE54	4.369	0.476	0.557	721	774	682	2177	MED	444
CM22	4.251	0.516	0.540	692	833	649	2174	MED	445
JU70	5.332	0.706	0.364	904	1025	245	2174	MED	446
TH40	3.522	0.392	1.296	392	594	1188	2174	MED	447
PS75	5.473	0.373	0.568	927	532	711	2170	MED	448
JU11	5.448	0.508	0.438	921	823	423	2167	MED	449
JL21	5.506	0.594	0.386	931	939	294	2164	MED	450
BS19	3.983	0.343	1.012	599	437	1122	2158	MED	451
JL55	7.396	0.620	0.223	1130	966	62	2158	MED	452
NE53	4.209	0.418	0.642	674	655	827	2156	MED	453
PL14	4.626	0.405	0.595	782	627	747	2156	MED	454
JM63	5.107	0.639	0.393	858	981	313	2152	MED	455
JM65	5.171	0.579	0.411	873	919	356	2148	MED	456
JU85	4.133	0.442	0.625	642	707	794	2143	MED	457
JU05	6.669	0.680	0.212	1074	1010	55	2139	MED	458
CU29	5.034	0.584	0.416	843	925	365	2133	MED	459
JM78	3.808	0.355	0.966	539	488	1106	2133	MED	460

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
BS21	4.063	0.316	1.290	625	321	1186	2132	MED	461
JL38	7.273	0.627	0.158	1121	975	33	2129	MED	462
RU57	4.170	0.395	0.668	661	601	866	2128	MED	463
PL46	4.959	0.405	0.548	834	623	669	2126	MED	464
RD71	4.036	0.329	1.029	616	378	1132	2126	MED	465
JM68	5.377	0.740	0.319	911	1044	167	2122	MED	466
TC08	5.555	0.389	0.524	936	581	604	2121	MED	467
RL02	4.162	0.341	0.838	656	429	1031	2116	MED	468
JL02	5.477	0.456	0.450	928	738	448	2114	MED	469
JM64	4.989	0.612	0.397	835	958	320	2113	MED	470
JM44	4.408	0.400	0.606	735	610	764	2109	MED	471
RA34	4.674	0.379	0.604	791	556	761	2108	MED	472
PS84	4.192	0.392	0.655	668	593	846	2107	MED	473
JR19	4.805	0.444	0.515	814	712	580	2106	MED	474
JU14	6.093	0.624	0.293	1008	970	128	2106	MED	475
JU29	5.788	0.648	0.304	967	989	147	2103	MED	476
BS03	4.377	0.318	0.864	727	327	1048	2102	MED	477
JL54	8.211	0.574	0.118	1176	912	14	2102	MED	478
CU47	3.583	0.559	0.616	422	896	782	2100	MED	479
RU92	3.822	0.359	0.885	544	499	1057	2100	MED	480
PL56	5.042	0.463	0.478	846	751	501	2098	MED	481
JM39	3.691	0.428	0.715	487	677	933	2097	MED	482
PL70	4.411	0.654	0.416	737	993	367	2097	MED	483
YO18	3.846	0.437	0.654	553	698	845	2096	MED	484
JM75	3.553	0.364	1.247	408	509	1178	2095	MED	485
RD70	4.546	0.364	0.638	766	511	818	2095	MED	486
TH25	4.041	0.532	0.527	621	858	614	2093	MED	487
CU24	3.348	0.497	0.789	281	813	997	2091	MED	488
TC10	3.880	0.397	0.702	564	607	918	2089	MED	489
CU35	3.471	0.511	0.682	368	829	891	2088	MED	490
TH05	3.407	0.385	1.307	321	569	1191	2081	MED	491
YO40	3.973	0.450	0.602	593	726	760	2079	MED	492
CU48	3.964	0.535	0.531	589	862	623	2074	MED	493
RU11	4.656	0.351	0.635	787	474	810	2071	MED	494
BS24	4.063	0.337	0.837	626	414	1030	2070	MED	495
BS26	4.480	0.316	0.791	753	318	998	2069	MED	496
JU20	4.832	0.461	0.479	816	748	505	2069	MED	497
CM25	3.917	0.351	0.817	579	472	1017	2068	MED	498
NE15	4.207	0.365	0.677	673	513	881	2067	MED	499

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
CB05	5.078	0.793	0.303	853	1070	138	2061	MED	500
JM60	3.791	0.384	0.741	533	566	960	2059	MED	501
JU07	6.546	0.625	0.145	1059	973	27	2059	MED	502
RA66	5.011	0.586	0.385	840	928	291	2059	MED	503
JM40	4.372	0.418	0.551	724	656	678	2058	MED	504
RA23	4.817	0.447	0.488	815	722	520	2057	MED	505
JA27	3.575	0.408	0.797	419	635	1002	2056	MED	506
RA55	3.265	0.486	0.841	229	794	1033	2056	MED	507
YO12	4.284	0.392	0.600	703	591	759	2053	MED	508
BS04	4.142	0.317	0.924	646	323	1083	2052	MED	509
JM45	3.831	0.407	0.673	547	633	872	2052	MED	510
JU28	5.921	0.587	0.303	981	929	142	2052	MED	511
TH15	7.442	0.311	0.528	1136	299	615	2050	MED	512
PU04	6.613	0.569	0.249	1065	904	78	2047	MED	513
NE08	4.221	0.320	0.841	679	334	1032	2045	MED	514
PS74	4.156	0.384	0.641	654	567	823	2044	MED	515
RU04	4.041	0.416	0.610	620	652	771	2043	MED	516
PU02	8.345	0.439	0.316	1179	701	162	2042	MED	517
JL56	7.591	0.548	0.115	1148	881	12	2041	MED	518
TH27	3.736	0.374	0.781	513	536	991	2040	MED	519
JM28	3.708	0.526	0.561	500	845	692	2037	MED	520
JU73	6.259	0.311	0.568	1027	297	712	2036	MED	521
CB46	6.012	0.698	0.131	996	1018	18	2032	MED	522
JU21	4.350	0.377	0.610	717	545	770	2032	MED	523
CB21	6.083	0.683	0.115	1005	1013	13	2031	MED	524
CM21	4.372	0.639	0.400	723	982	325	2030	MED	525
JU02	6.018	0.610	0.247	997	954	76	2027	MED	526
JA44	4.947	0.595	0.366	832	942	252	2026	MED	527
YO41	4.230	0.478	0.511	680	778	568	2026	MED	528
JM42	4.003	0.367	0.689	607	521	897	2025	MED	529
PS78	4.493	0.441	0.507	756	706	561	2023	MED	530
RU90	3.845	0.355	0.764	552	489	975	2016	MED	531
YO66	3.899	0.605	0.472	574	952	489	2015	MED	532
BS22	4.071	0.341	0.738	629	428	957	2014	MED	533
JA20	3.569	0.544	0.575	416	876	722	2014	MED	534
NE04	3.919	0.332	0.859	580	389	1045	2014	MED	535
PS79	5.113	0.452	0.438	861	731	422	2014	MED	536
RU66	3.860	0.372	0.708	559	531	924	2014	MED	537
TC13	5.462	0.383	0.489	924	565	522	2011	MED	538

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
RD19	3.773	0.354	0.795	525	485	1000	2010	MED	539
JM69	4.607	0.579	0.392	781	917	308	2006	MED	540
RU36	3.854	0.414	0.629	557	649	799	2005	MED	541
TH39	3.565	0.331	1.553	414	384	1206	2004	MED	542
NE57	5.124	0.378	0.519	865	548	589	2002	MED	543
JA19	4.284	0.529	0.448	702	850	445	1997	MED	544
JR13	4.185	0.326	0.742	665	362	963	1990	MED	545
CU63	4.341	0.492	0.463	714	806	466	1986	MED	546
RA54	3.252	0.450	0.843	223	727	1035	1985	MED	547
YO11	3.702	0.375	0.725	496	537	947	1980	MED	548
JM10	4.848	0.326	0.630	819	360	800	1979	MED	549
RA44	4.144	0.454	0.522	647	736	595	1978	MED	550
PS28	3.705	0.465	0.579	498	753	725	1976	MED	551
YO67	5.108	0.475	0.405	859	770	346	1975	MED	552
YO02	4.452	0.380	0.549	746	557	670	1973	MED	553
RA69	4.509	0.528	0.415	760	849	363	1972	MED	554
RU29	3.887	0.377	0.665	568	544	860	1972	MED	555
NE19	4.002	0.366	0.655	606	517	847	1970	MED	556
RA72	5.308	0.592	0.295	900	934	130	1964	MED	557
JR17	4.534	0.390	0.527	765	586	612	1963	MED	558
NE33	4.797	0.335	0.593	810	404	743	1957	MED	559
YO06	3.644	0.347	0.849	459	459	1038	1956	MED	560
NE61	6.111	0.333	0.502	1010	396	549	1955	MED	561
RU07	4.236	0.477	0.472	685	777	490	1952	MED	562
JM21	3.454	0.521	0.599	358	839	753	1950	MED	563
PU15	4.244	0.405	0.533	689	624	633	1946	MED	564
RA28	3.706	0.332	0.883	499	394	1053	1946	MED	565
BS35	3.986	0.319	0.810	600	331	1011	1942	MED	566
CB45	6.384	0.550	0.124	1041	883	15	1939	MED	567
PU20	6.122	0.250	0.670	1012	59	867	1938	MED	568
JM72	3.332	0.348	1.362	274	465	1198	1937	MED	569
JL16	4.930	0.356	0.527	830	491	613	1934	MED	570
CB03	4.937	0.785	0.160	831	1068	34	1933	MED	571
JA25	3.379	0.484	0.651	303	788	836	1927	MED	572
RA35	4.051	0.378	0.597	622	551	749	1922	MED	573
JU01	5.977	0.514	0.272	990	830	98	1918	MED	574
JU72	4.100	0.427	0.525	634	676	605	1915	MED	575
JU10	4.556	0.399	0.496	769	608	537	1914	MED	576
BS17	3.815	0.307	0.960	543	270	1100	1913	MED	577

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
CU40	3.432	0.492	0.608	340	804	768	1912	MED	578
NE47	4.922	0.376	0.499	827	540	544	1911	MED	579
PS83	6.699	0.401	0.349	1079	612	220	1911	MED	580
AO08	5.132	0.541	0.319	867	873	170	1910	MED	581
CM28	4.173	0.431	0.508	662	684	563	1909	MED	582
AO09	5.227	0.582	0.272	887	922	99	1908	MED	583
NE10	4.022	0.315	0.770	612	313	981	1906	MED	584
RA58	3.411	0.474	0.637	323	768	814	1905	MED	585
PL07	5.199	0.356	0.493	880	493	529	1902	MED	586
PS18	3.486	0.478	0.593	379	779	741	1899	MED	587
RA68	4.419	0.534	0.388	741	860	297	1898	MED	588
RD68	7.070	0.395	0.329	1105	605	187	1897	MED	589
JU68	5.047	0.624	0.247	847	972	75	1894	MED	590
NE09	4.235	0.335	0.631	684	405	802	1891	MED	591
NE62	4.035	0.390	0.560	615	587	689	1891	MED	592
JM58	3.992	0.484	0.477	602	789	499	1890	MED	593
JM35	3.619	0.435	0.595	449	695	745	1889	MED	594
JU65	4.873	0.708	0.169	821	1026	40	1887	MED	595
CU51	4.787	0.711	0.200	808	1028	50	1886	MED	596
PL32	4.642	0.413	0.455	785	646	455	1886	MED	597
CU42	3.218	0.477	0.687	212	775	894	1881	MED	598
RU86	3.787	0.346	0.689	531	452	898	1881	MED	599
PU10	3.671	0.412	0.599	474	642	756	1872	MED	600
JU23	4.237	0.437	0.469	687	699	482	1868	MED	601
JA18	4.162	0.509	0.422	657	826	383	1866	MED	602
JL18	6.236	0.483	0.209	1025	787	54	1866	MED	603
JL06	5.206	0.604	0.156	884	950	31	1865	MED	604
YO17	3.900	0.412	0.539	576	644	644	1864	MED	605
NE32	6.655	0.333	0.425	1070	400	393	1863	MED	606
JR15	3.901	0.329	0.696	577	371	913	1861	MED	607
NE06	4.176	0.349	0.582	664	466	731	1861	MED	608
CU32	4.217	0.579	0.370	677	918	259	1854	MED	609
RA56	3.268	0.467	0.668	232	756	865	1853	MED	610
RA65	3.394	0.503	0.573	315	819	718	1852	MED	611
JM12	3.680	0.366	0.658	479	518	854	1851	MED	612
JM23	3.337	0.405	0.726	276	626	948	1850	MED	613
JM54	4.267	0.506	0.402	696	822	331	1849	MED	614
JU31	4.914	0.481	0.363	826	781	242	1849	MED	615
JM82	3.651	0.346	0.709	464	453	928	1845	MED	616

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
JU83	3.464	0.393	0.679	363	595	885	1843	MED	617
PL09	5.315	0.314	0.534	902	307	634	1843	MED	618
PL13	4.995	0.378	0.453	836	549	451	1836	LOW	619
NE20	4.570	0.320	0.582	770	335	730	1835	LOW	620
JM56	4.330	0.538	0.370	712	865	257	1834	LOW	621
TH35	3.455	0.366	0.739	359	516	958	1833	LOW	622
CU43	3.012	0.439	0.811	117	702	1013	1832	LOW	623
RU08	4.153	0.474	0.431	652	767	406	1825	LOW	624
YA02	3.681	0.453	0.527	481	733	611	1825	LOW	625
JU24	4.254	0.389	0.500	693	583	546	1822	LOW	626
JA21	3.323	0.402	0.720	268	614	939	1821	LOW	627
NE45	4.037	0.418	0.502	617	654	548	1819	LOW	628
CU18	3.357	0.352	0.882	286	480	1052	1818	LOW	629
PS73	3.887	0.421	0.518	570	662	586	1818	LOW	630
TH20	4.795	0.297	0.614	809	233	776	1818	LOW	631
RD16	3.590	0.327	0.825	428	367	1021	1816	LOW	632
NE43	4.144	0.439	0.457	648	703	459	1810	LOW	633
NE69	3.530	0.405	0.618	396	625	783	1804	LOW	634
CU17	3.614	0.465	0.525	441	754	608	1803	LOW	635
TH38	3.433	0.317	1.038	342	325	1135	1802	LOW	636
PL65	3.366	0.433	0.638	292	688	819	1799	LOW	637
CU49	3.648	0.520	0.479	460	836	502	1798	LOW	638
CL01	4.632	0.477	0.360	784	776	237	1797	LOW	639
PL12	4.769	0.329	0.530	803	372	619	1794	LOW	640
JM53	4.200	0.515	0.384	671	832	288	1791	LOW	641
NE46	5.233	0.395	0.390	889	602	300	1791	LOW	642
BS31	4.031	0.331	0.623	613	387	790	1790	LOW	643
JA26	3.428	0.377	0.699	331	542	916	1789	LOW	644
YO04	4.154	0.377	0.521	653	543	592	1788	LOW	645
PS12	4.592	0.616	0.187	777	963	43	1783	LOW	646
CU64	3.812	0.433	0.503	542	689	551	1782	LOW	647
JA42	4.260	0.422	0.438	695	664	421	1780	LOW	648
JU46	3.383	0.314	1.150	308	309	1162	1779	LOW	649
AO11	4.140	0.819	0.201	645	1080	51	1776	LOW	650
PL40	5.067	0.471	0.314	849	765	158	1772	LOW	651
CU27	3.361	0.391	0.684	289	588	892	1769	LOW	652
JA17	3.369	0.378	0.702	295	553	919	1767	LOW	653
JU74	5.354	0.263	0.598	907	107	751	1765	LOW	654
RU14	5.772	0.403	0.331	961	615	188	1764	LOW	655

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
YO16	3.962	0.358	0.553	588	495	681	1764	LOW	656
RU13	4.798	0.325	0.521	811	357	594	1762	LOW	657
TH09	3.694	0.414	0.528	490	650	618	1758	LOW	658
JU13	4.925	0.481	0.303	829	784	144	1757	LOW	659
PS30	4.526	0.382	0.440	764	563	430	1757	LOW	660
RA52	3.147	0.407	0.734	172	631	954	1757	LOW	661
TC29	7.247	0.277	0.470	1118	153	485	1756	LOW	662
PL47	4.056	0.330	0.596	624	381	748	1753	LOW	663
RA73	4.245	0.521	0.351	690	840	222	1752	LOW	664
JR18	4.575	0.389	0.426	772	584	394	1750	LOW	665
RA22	4.198	0.481	0.383	670	783	286	1739	LOW	666
AO14	4.174	0.728	0.167	663	1036	39	1738	LOW	667
YO30	3.808	0.333	0.627	540	397	797	1734	LOW	668
JA37	3.382	0.419	0.606	306	660	766	1732	LOW	669
NE22	3.611	0.389	0.570	440	579	713	1732	LOW	670
JM34	3.380	0.404	0.633	304	620	807	1731	LOW	671
JU64	4.010	0.691	0.278	609	1016	105	1730	LOW	672
JU66	5.069	0.472	0.284	850	766	112	1728	LOW	673
NE02	3.398	0.371	0.676	317	530	878	1725	LOW	674
RA67	4.285	0.492	0.347	704	803	216	1723	LOW	675
CB42	4.118	0.752	0.146	638	1056	28	1722	LOW	676
JM52	4.319	0.492	0.342	709	805	207	1721	LOW	677
RA71	4.167	0.454	0.394	660	735	316	1711	LOW	678
PL02	5.977	0.292	0.483	988	208	513	1709	LOW	679
JM18	4.194	0.449	0.391	669	725	306	1700	LOW	680
NE55	3.748	0.362	0.551	517	506	676	1699	LOW	681
PL04	4.799	0.325	0.493	812	358	528	1698	LOW	682
JM19	3.946	0.476	0.403	586	773	338	1697	LOW	683
NE12	4.100	0.334	0.545	633	401	663	1697	LOW	684
YO03	3.964	0.330	0.580	590	379	728	1697	LOW	685
CU14	4.011	0.353	0.524	610	483	602	1695	LOW	686
RU94	3.279	0.310	1.178	237	288	1169	1694	LOW	687
PU11	4.164	0.405	0.431	659	622	407	1688	LOW	688
CU46	3.622	0.536	0.416	451	863	366	1680	LOW	689
YO31	5.036	0.466	0.250	844	755	79	1678	LOW	690
RD73	3.545	0.344	0.648	402	441	833	1676	LOW	691
PS48	3.516	0.296	0.885	389	230	1056	1675	LOW	692
JM57	3.693	0.434	0.473	489	692	492	1673	LOW	693
AO10	4.454	0.543	0.189	747	875	44	1666	LOW	694

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
PU16	4.899	0.365	0.400	825	514	323	1662	LOW	695
CB43	4.149	0.611	0.206	650	955	53	1658	LOW	696
PS45	3.845	0.430	0.438	551	682	424	1657	LOW	697
BS18	3.501	0.277	0.994	385	154	1117	1656	LOW	698
NE01	3.323	0.336	0.766	267	410	978	1655	LOW	699
CB41	3.869	0.724	0.221	561	1031	61	1653	LOW	700
NE25	5.053	0.385	0.360	848	568	236	1652	LOW	701
BS08	3.587	0.269	0.962	427	122	1101	1650	LOW	702
JU39	3.109	0.367	0.763	156	520	974	1650	LOW	703
NE07	3.844	0.289	0.690	550	198	900	1648	LOW	704
RA04	4.008	0.411	0.427	608	639	400	1647	LOW	705
TH43	3.617	0.315	0.681	446	311	889	1646	LOW	706
JM66	4.327	0.504	0.283	711	820	111	1642	LOW	707
JM81	3.433	0.322	0.733	341	347	952	1640	LOW	708
PL23	4.098	0.313	0.565	632	304	704	1640	LOW	709
NE31	5.173	0.419	0.281	874	657	107	1638	LOW	710
PL03	5.964	0.277	0.478	986	152	500	1638	LOW	711
JM47	3.772	0.348	0.540	524	463	650	1637	LOW	712
RL11	3.501	0.328	0.678	384	368	884	1636	LOW	713
YO34	4.066	0.404	0.423	628	621	386	1635	LOW	714
JL17	3.674	0.354	0.546	477	487	665	1629	LOW	715
NE41	3.924	0.424	0.420	582	670	377	1629	LOW	716
YO44	3.377	0.403	0.565	302	617	707	1626	LOW	717
RA26	3.875	0.339	0.539	562	420	643	1625	LOW	718
TC05	3.618	0.386	0.524	448	573	603	1624	LOW	719
RL04	3.693	0.326	0.612	488	363	772	1623	LOW	720
CU26	3.525	0.403	0.527	394	616	610	1620	LOW	721
CM03	4.138	0.359	0.465	643	501	474	1618	LOW	722
TC01	4.497	0.278	0.564	758	158	701	1617	LOW	723
CB31	3.947	0.650	0.145	587	992	26	1605	LOW	724
TC21	4.887	0.336	0.419	822	409	373	1604	LOW	725
JR08	3.527	0.318	0.678	395	326	882	1603	LOW	726
BS13	3.485	0.256	1.059	377	77	1143	1597	LOW	727
JA02	3.484	0.368	0.564	375	522	700	1597	LOW	728
CU65	3.847	0.457	0.390	554	741	299	1594	LOW	729
RU76	3.799	0.339	0.533	537	418	632	1587	LOW	730
CM32	3.855	0.411	0.424	558	641	387	1586	LOW	731
YO15	3.649	0.343	0.559	461	439	686	1586	LOW	732
NE60	3.996	0.378	0.440	604	550	431	1585	LOW	733

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
RL12	3.497	0.305	0.720	383	263	938	1584	LOW	734
CB30	3.719	0.745	0.148	503	1049	30	1582	LOW	735
JA41	4.272	0.431	0.338	698	683	200	1581	LOW	736
RU91	3.658	0.331	0.580	468	385	727	1580	LOW	737
BS05	3.836	0.296	0.629	549	231	798	1578	LOW	738
JM24	3.382	0.348	0.634	307	460	809	1576	LOW	739
PS70	3.614	0.376	0.518	442	539	587	1568	LOW	740
RD54	3.584	0.354	0.543	426	484	657	1567	LOW	741
TH18	6.060	0.222	0.503	1001	13	550	1564	LOW	742
JU36	4.392	0.395	0.355	730	604	228	1562	LOW	743
TH29	3.337	0.323	0.719	277	348	937	1562	LOW	744
RU58	3.934	0.375	0.444	584	538	438	1560	LOW	745
CB36	3.717	0.691	0.161	502	1017	36	1555	LOW	746
CU62	3.770	0.523	0.333	521	841	190	1552	LOW	747
BS16	3.465	0.259	0.940	364	96	1091	1551	LOW	748
YO38	3.742	0.432	0.406	515	687	349	1551	LOW	749
BS14	3.909	0.316	0.541	578	317	654	1549	LOW	750
BS09	3.540	0.276	0.798	399	146	1003	1548	LOW	751
JM14	3.481	0.360	0.550	373	502	673	1548	LOW	752
CM31	3.600	0.392	0.489	432	592	523	1547	LOW	753
JU55	3.439	0.327	0.653	344	364	838	1546	LOW	754
NE34	3.773	0.361	0.483	526	503	515	1544	LOW	755
YO69	4.152	0.550	0.101	651	882	11	1544	LOW	756
CM15	3.665	0.295	0.653	472	227	841	1540	LOW	757
JM16	3.900	0.425	0.386	575	671	293	1539	LOW	758
NE49	3.882	0.352	0.475	566	477	494	1537	LOW	759
TH42	3.514	0.308	0.670	387	277	868	1532	LOW	760
PS46	3.425	0.393	0.525	328	597	606	1531	LOW	761
BS11	3.430	0.255	1.002	335	75	1119	1529	LOW	762
PU12	3.982	0.382	0.418	597	561	371	1529	LOW	763
CU23	3.036	0.357	0.695	122	494	911	1527	LOW	764
JU71	3.516	0.352	0.543	388	479	658	1525	LOW	765
YO01	4.243	0.369	0.393	688	524	312	1524	LOW	766
JU67	3.602	0.407	0.456	435	630	458	1523	LOW	767
YA04	3.126	0.300	0.984	164	245	1113	1522	LOW	768
JR11	3.730	0.324	0.540	511	353	651	1515	LOW	769
RU06	3.794	0.388	0.430	535	577	403	1515	LOW	770
RL01	4.033	0.317	0.513	614	324	575	1513	LOW	771
JA01	3.975	0.406	0.385	595	628	289	1512	LOW	772

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
RU30	3.723	0.353	0.490	505	481	525	1511	LOW	773
RU70	3.726	0.345	0.504	507	447	553	1507	LOW	774
YO10	3.297	0.306	0.780	249	266	989	1504	LOW	775
JM11	3.685	0.359	0.487	484	500	518	1502	LOW	776
RL16	3.517	0.294	0.681	390	224	888	1502	LOW	777
TH12	4.733	0.352	0.351	799	478	223	1500	LOW	778
RA62	3.319	0.495	0.438	263	811	425	1499	LOW	779
JM70	4.123	0.483	0.242	640	786	70	1496	LOW	780
RL17	3.624	0.329	0.548	453	374	668	1495	LOW	781
JR02	3.303	0.337	0.643	254	412	828	1494	LOW	782
NE35	3.373	0.342	0.606	299	430	765	1494	LOW	783
PL64	3.414	0.419	0.482	324	659	511	1494	LOW	784
NE40	3.808	0.346	0.475	541	456	495	1492	LOW	785
JM76	3.545	0.359	0.520	403	497	591	1491	LOW	786
JM51	3.698	0.434	0.391	493	693	304	1490	LOW	787
RU69	3.517	0.315	0.620	391	312	787	1490	LOW	788
YO65	3.976	0.498	0.248	596	815	77	1488	LOW	789
NE17	3.797	0.319	0.528	536	333	616	1485	LOW	790
NE37	3.326	0.288	0.827	270	193	1022	1485	LOW	791
TH10	3.455	0.348	0.545	360	461	664	1485	LOW	792
JM59	4.139	0.365	0.401	644	512	328	1484	LOW	793
JM04	2.941	0.445	0.549	96	716	671	1483	LOW	794
NE50	3.711	0.333	0.518	501	398	584	1483	LOW	795
CM01	3.558	0.321	0.580	412	343	726	1481	LOW	796
RL22	3.926	0.311	0.523	583	296	599	1478	LOW	797
JR12	4.200	0.332	0.434	672	391	413	1476	LOW	798
TH30	2.930	0.370	0.664	89	528	859	1476	LOW	799
JM55	3.793	0.436	0.363	534	697	244	1475	LOW	800
JM74	3.146	0.303	0.869	170	256	1049	1475	LOW	801
JU86	3.359	0.297	0.733	288	234	953	1475	LOW	802
YA06	3.268	0.345	0.624	233	449	793	1475	LOW	803
JM86	5.354	0.363	0.212	906	507	56	1469	LOW	804
CU12	3.673	0.342	0.505	475	436	557	1468	LOW	805
NE27	3.649	0.411	0.416	462	638	368	1468	LOW	806
RD02	3.065	0.293	0.994	137	215	1116	1468	LOW	807
RU65	3.701	0.381	0.433	495	559	411	1465	LOW	808
RU01	3.156	0.344	0.652	180	445	837	1462	LOW	809
PS81	3.772	0.332	0.501	522	392	547	1461	LOW	810
CU06	3.725	0.444	0.362	506	715	239	1460	LOW	811

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
JU19	4.493	0.382	0.303	757	562	139	1458	LOW	812
PS72	3.694	0.406	0.403	492	629	335	1456	LOW	813
NE36	3.450	0.308	0.639	353	275	821	1449	LOW	814
RL15	4.039	0.300	0.514	619	246	578	1443	LOW	815
JA09	3.689	0.332	0.510	485	390	567	1442	LOW	816
NE65	3.674	0.316	0.538	478	320	642	1440	LOW	817
RU84	3.366	0.318	0.639	291	329	820	1440	LOW	818
RU75	3.801	0.321	0.506	538	340	558	1436	LOW	819
JA12	3.321	0.351	0.563	264	473	697	1434	LOW	820
TC12	3.881	0.340	0.449	565	423	446	1434	LOW	821
CU68	3.774	0.411	0.373	527	640	265	1432	LOW	822
BS12	3.424	0.268	0.768	327	119	980	1426	LOW	823
TC09	3.491	0.271	0.696	382	132	912	1426	LOW	824
JM80	3.392	0.280	0.727	312	164	949	1425	LOW	825
PS47	3.598	0.344	0.504	431	440	554	1425	LOW	826
JA23	3.431	0.321	0.595	336	342	746	1424	LOW	827
JM32	3.188	0.321	0.680	194	344	886	1424	LOW	828
JU75	3.922	0.385	0.376	581	571	271	1423	LOW	829
RA70	3.656	0.429	0.379	466	680	274	1420	LOW	830
RD75	3.761	0.313	0.523	520	302	598	1420	LOW	831
RL10	3.431	0.334	0.552	338	403	679	1420	LOW	832
NE38	3.304	0.342	0.576	255	432	723	1410	LOW	833
CM13	3.443	0.377	0.481	348	547	507	1402	LOW	834
NE44	3.684	0.437	0.349	483	700	219	1402	LOW	835
RD21	3.553	0.337	0.516	409	411	581	1401	LOW	836
RD18	3.463	0.324	0.560	361	351	688	1400	LOW	837
RU79	3.616	0.309	0.550	445	280	674	1399	LOW	838
CB33	3.605	0.614	0.039	436	960	2	1398	LOW	839
PU13	3.823	0.362	0.404	546	505	344	1395	LOW	840
JM43	3.489	0.383	0.451	381	564	449	1394	LOW	841
RL13	3.452	0.321	0.563	356	339	699	1394	LOW	842
YA05	3.357	0.330	0.581	285	380	729	1394	LOW	843
YO14	3.376	0.299	0.656	301	242	850	1393	LOW	844
RU32	3.637	0.326	0.513	457	361	574	1392	LOW	845
JR05	3.327	0.319	0.619	272	332	785	1389	LOW	846
TH06	3.623	0.291	0.582	452	203	732	1387	LOW	847
CB39	3.463	0.643	0.164	362	985	38	1385	LOW	848
RU22	2.973	0.302	0.828	105	253	1024	1382	LOW	849
JA14	3.352	0.386	0.489	283	575	521	1379	LOW	850

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
BS10	3.322	0.254	0.850	265	73	1039	1377	LOW	851
JA38	2.964	0.314	0.739	104	308	959	1371	LOW	852
NE51	3.723	0.318	0.497	504	328	539	1371	LOW	853
PL10	4.835	0.314	0.366	817	305	248	1370	LOW	854
CU04	3.323	0.361	0.522	266	504	597	1367	LOW	855
CB02	2.751	0.427	0.541	35	675	652	1362	LOW	856
CB35	3.416	0.665	0.148	326	1004	29	1359	LOW	857
PS76	3.618	0.500	0.268	447	818	92	1357	LOW	858
JR07	3.445	0.309	0.574	350	278	721	1349	LOW	859
CU69	3.852	0.391	0.338	555	590	201	1346	LOW	860
TC06	4.478	0.275	0.445	752	145	442	1339	LOW	861
TC02	3.427	0.275	0.667	330	143	864	1337	LOW	862
CB32	3.533	0.585	0.101	397	926	10	1333	LOW	863
RA63	3.265	0.435	0.432	228	696	409	1333	LOW	864
RD23	3.681	0.295	0.532	480	228	625	1333	LOW	865
PU18	5.496	0.292	0.333	930	209	192	1331	LOW	866
PL11	5.786	0.277	0.343	965	155	208	1328	LOW	867
CM27	3.700	0.368	0.392	494	523	309	1326	LOW	868
JM31	3.614	0.340	0.456	443	426	457	1326	LOW	869
JM61	3.445	0.342	0.496	349	435	538	1322	LOW	870
PU14	3.657	0.311	0.507	467	293	562	1322	LOW	871
NE03	3.583	0.304	0.535	423	261	637	1321	LOW	872
RD76	3.443	0.286	0.620	346	185	786	1317	LOW	873
RU87	3.577	0.329	0.486	421	377	517	1315	LOW	874
TH32	3.224	0.376	0.507	214	541	560	1315	LOW	875
JM46	3.553	0.305	0.538	407	264	641	1312	LOW	876
NE87	3.135	0.320	0.633	168	337	806	1311	LOW	877
CB38	3.340	0.645	0.193	278	986	46	1310	LOW	878
RD20	3.343	0.320	0.562	279	336	695	1310	LOW	879
RU23	3.015	0.290	0.785	118	199	992	1309	LOW	880
RU77	3.726	0.348	0.403	508	462	339	1309	LOW	881
BS02	3.134	0.309	0.658	167	285	855	1307	LOW	882
RU21	2.798	0.279	0.956	47	160	1098	1305	LOW	883
TH07	5.977	0.207	0.392	989	5	311	1305	LOW	884
YA07	3.401	0.325	0.532	320	355	627	1302	LOW	885
RU82	3.481	0.316	0.525	374	315	607	1296	LOW	886
YA03	3.195	0.265	0.774	201	108	985	1294	LOW	887
YO21	2.997	0.348	0.572	111	464	715	1290	LOW	888
JM30	3.371	0.293	0.614	298	212	777	1287	LOW	889

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
NE75	3.126	0.343	0.557	165	438	683	1286	LOW	890
RU20	2.768	0.284	0.905	37	177	1070	1284	LOW	891
JM38	3.216	0.424	0.430	210	668	405	1283	LOW	892
RL14	3.313	0.291	0.637	261	205	815	1281	LOW	893
CM12	3.209	0.344	0.530	208	444	621	1273	LOW	894
RU74	3.616	0.311	0.495	444	294	535	1273	LOW	895
RU89	3.772	0.289	0.504	523	195	552	1270	LOW	896
RA49	3.200	0.349	0.521	205	468	593	1266	LOW	897
RU15	3.822	0.349	0.367	545	467	254	1266	LOW	898
JM05	2.841	0.389	0.528	60	585	617	1262	LOW	899
NE28	5.801	0.274	0.309	969	139	152	1260	LOW	900
RD74	3.652	0.302	0.499	465	250	545	1260	LOW	901
RA74	3.545	0.458	0.286	401	742	114	1257	LOW	902
PU19	5.413	0.291	0.299	917	206	133	1256	LOW	903
JU17	3.727	0.339	0.400	509	419	327	1255	LOW	904
PL62	3.523	0.378	0.392	393	552	310	1255	LOW	905
RA05	3.610	0.322	0.461	439	346	464	1249	LOW	906
CU08	3.485	0.342	0.443	376	434	436	1246	LOW	907
CU01	3.660	0.400	0.316	470	611	164	1245	LOW	908
TH14	6.004	0.236	0.348	995	32	218	1245	LOW	909
JA35	3.969	0.339	0.353	591	421	226	1238	LOW	910
RD46	3.674	0.299	0.482	476	244	510	1230	LOW	911
CM29	3.662	0.410	0.288	471	637	120	1228	LOW	912
RU10	3.744	0.327	0.406	516	365	347	1228	LOW	913
RD14	3.480	0.256	0.613	372	76	775	1223	LOW	914
JM22	3.198	0.432	0.402	203	685	332	1220	LOW	915
JR06	3.285	0.311	0.552	240	298	680	1218	LOW	916
JM27	3.307	0.301	0.565	257	249	706	1212	LOW	917
NE68	3.569	0.373	0.371	417	533	261	1211	LOW	918
JU82	3.305	0.366	0.441	256	519	433	1208	LOW	919
RD05	3.153	0.295	0.631	178	226	803	1207	LOW	920
CU21	2.938	0.299	0.671	93	243	870	1206	LOW	921
NE16	3.439	0.278	0.565	345	157	703	1205	LOW	922
RA01	3.397	0.350	0.437	316	469	420	1205	LOW	923
CU67	3.435	0.359	0.414	343	498	362	1203	LOW	924
PL08	5.251	0.283	0.302	894	172	137	1203	LOW	925
JM79	3.318	0.301	0.560	262	248	690	1200	LOW	926
YO09	3.090	0.257	0.751	147	87	966	1200	LOW	927
PL05	4.512	0.302	0.328	761	251	184	1196	LOW	928

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
TH31	3.400	0.346	0.439	319	450	427	1196	LOW	929
RU33	3.555	0.303	0.491	410	258	527	1195	LOW	930
JR10	3.788	0.319	0.401	532	330	330	1192	LOW	931
JA16	3.453	0.365	0.396	357	515	319	1191	LOW	932
RA25	3.287	0.326	0.520	242	359	590	1191	LOW	933
RL23	3.312	0.309	0.539	260	286	645	1191	LOW	934
RD03	3.050	0.291	0.658	130	204	856	1190	LOW	935
JU53	3.414	0.317	0.498	325	322	542	1189	LOW	936
TH21	4.053	0.248	0.481	623	57	509	1189	LOW	937
RL03	3.564	0.292	0.509	413	210	565	1188	LOW	938
TH33	3.452	0.305	0.511	355	262	570	1187	LOW	939
JU78	3.151	0.303	0.599	176	257	752	1185	LOW	940
TH13	5.683	0.208	0.357	948	6	231	1185	LOW	941
JA11	3.470	0.377	0.377	366	546	272	1184	LOW	942
CM17	3.552	0.310	0.470	406	290	483	1179	LOW	943
RD04	3.326	0.276	0.604	269	147	763	1179	LOW	944
RU12	3.543	0.287	0.519	400	186	588	1174	LOW	945
RU42	3.690	0.309	0.428	486	287	401	1174	LOW	946
NE30	3.783	0.341	0.345	529	427	212	1168	LOW	947
RD58	3.550	0.325	0.432	404	356	408	1168	LOW	948
RL06	3.106	0.270	0.681	152	126	890	1168	LOW	949
RU78	3.728	0.314	0.405	510	306	345	1161	LOW	950
JU56	2.743	0.275	0.774	33	142	984	1159	LOW	951
JA32	3.233	0.423	0.377	217	667	273	1157	LOW	952
NE39	3.270	0.306	0.541	234	267	655	1156	LOW	953
JU42	3.510	0.282	0.524	386	168	601	1155	LOW	954
RU53	4.472	0.242	0.413	751	44	360	1155	LOW	955
CM04	3.332	0.312	0.514	275	301	577	1153	LOW	956
JM71	3.486	0.350	0.391	380	470	303	1153	LOW	957
JR03	3.164	0.364	0.456	187	510	456	1153	LOW	958
RU09	3.882	0.309	0.391	567	282	302	1151	LOW	959
RD13	3.260	0.266	0.637	225	109	816	1150	LOW	960
CM05	3.398	0.291	0.531	318	207	624	1149	LOW	961
JU77	2.964	0.373	0.483	103	534	512	1149	LOW	962
RU61	3.633	0.337	0.381	455	413	280	1148	LOW	963
JA28	3.352	0.342	0.439	284	433	429	1146	LOW	964
NE29	3.467	0.336	0.419	365	406	374	1145	LOW	965
NE26	3.668	0.352	0.336	473	475	196	1144	LOW	966
CM06	3.576	0.305	0.455	420	265	454	1139	LOW	967

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
RL21	3.289	0.285	0.565	244	182	705	1131	LOW	968
JA29	3.558	0.388	0.303	411	578	141	1130	LOW	969
YO05	3.392	0.311	0.490	314	292	524	1130	LOW	970
YO24	3.189	0.356	0.444	195	492	440	1127	LOW	971
CU66	3.601	0.380	0.299	433	558	134	1125	LOW	972
YO26	2.666	0.299	0.666	25	238	862	1125	LOW	973
JA31	3.273	0.374	0.408	235	535	352	1122	LOW	974
JA43	3.660	0.339	0.355	469	422	230	1121	LOW	975
TH34	3.079	0.425	0.391	143	673	305	1121	LOW	976
CU20	2.847	0.312	0.600	62	300	758	1120	LOW	977
RL18	3.061	0.263	0.677	134	106	880	1120	LOW	978
RU71	3.327	0.294	0.532	271	221	628	1120	LOW	979
YO08	3.366	0.321	0.471	293	341	486	1120	LOW	980
JU58	3.443	0.309	0.471	347	283	488	1118	LOW	981
RL20	3.108	0.288	0.613	155	189	774	1118	LOW	982
JA33	3.299	0.345	0.436	250	448	419	1117	LOW	983
CU36	3.238	0.480	0.283	219	780	110	1109	LOW	984
JM06	2.887	0.331	0.539	73	383	647	1103	LOW	985
RU59	3.430	0.311	0.466	333	295	475	1103	LOW	986
JU47	2.899	0.283	0.656	77	173	851	1101	LOW	987
PS29	3.485	0.444	0.093	378	714	8	1100	LOW	988
NE05	3.290	0.338	0.441	245	417	432	1094	LOW	989
RD26	3.477	0.257	0.537	370	84	640	1094	LOW	990
RL07	3.478	0.287	0.495	371	187	536	1094	LOW	991
RU28	3.474	0.336	0.393	369	408	314	1091	LOW	992
JM25	2.887	0.393	0.436	72	596	417	1085	LOW	993
TH08	3.432	0.347	0.384	339	458	287	1084	LOW	994
CU11	3.470	0.303	0.455	367	255	453	1075	LOW	995
RD25	3.281	0.268	0.572	238	117	714	1069	LOW	996
NE24	3.293	0.324	0.463	247	352	467	1066	LOW	997
TC03	3.163	0.315	0.511	186	310	569	1065	LOW	998
AO04	2.916	0.558	0.256	85	893	82	1060	LOW	999
JR04	3.050	0.323	0.517	129	349	582	1060	LOW	1000
JM37	3.370	0.434	0.241	297	694	68	1059	LOW	1001
NE76	5.544	0.231	0.275	935	24	100	1059	LOW	1002
JA04	3.448	0.307	0.442	352	269	435	1056	LOW	1003
YO23	2.444	0.237	0.810	8	34	1012	1054	LOW	1004
PL06	3.123	0.346	0.443	161	455	437	1053	LOW	1005
TC04	2.839	0.310	0.563	59	291	698	1048	LOW	1006

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
PU08	3.286	0.308	0.494	241	273	533	1047	LOW	1007
JA05	3.584	0.346	0.319	425	454	166	1045	LOW	1008
RU35	3.447	0.294	0.464	351	222	468	1041	LOW	1009
RU56	3.551	0.309	0.411	405	281	355	1041	LOW	1010
RU26	3.034	0.290	0.572	121	201	717	1039	LOW	1011
YO25	2.748	0.281	0.653	34	165	839	1038	LOW	1012
PS66	3.149	0.414	0.346	175	648	213	1036	LOW	1013
RL08	2.833	0.261	0.676	58	98	876	1032	LOW	1014
CU16	3.569	0.302	0.414	418	252	361	1031	LOW	1015
JU81	3.387	0.290	0.486	310	200	516	1026	LOW	1016
RU81	3.601	0.298	0.410	434	237	354	1025	LOW	1017
RD11	3.536	0.257	0.498	398	81	541	1020	LOW	1018
JR01	3.293	0.309	0.471	246	279	487	1012	LOW	1019
RD10	3.131	0.283	0.545	166	174	662	1002	LOW	1020
RU83	3.626	0.329	0.320	454	375	172	1001	LOW	1021
RD01	3.080	0.263	0.594	144	104	744	992	LOW	1022
CU70	3.594	0.364	0.194	430	508	47	985	LOW	1023
JM09	3.244	0.307	0.473	222	268	493	983	LOW	1024
RL05	2.871	0.250	0.657	68	60	852	980	LOW	1025
JM85	3.894	0.295	0.322	573	225	177	975	LOW	1026
JM26	3.212	0.313	0.461	209	303	462	974	LOW	1027
CU09	3.120	0.286	0.532	160	184	629	973	LOW	1028
CM30	2.907	0.333	0.472	81	399	491	971	LOW	1029
NE72	3.346	0.386	0.280	280	574	106	960	LOW	1030
JU51	2.580	0.214	0.711	18	9	930	957	LOW	1031
PS71	3.118	0.452	0.226	158	732	65	955	LOW	1032
RD29	3.289	0.245	0.543	243	52	659	954	LOW	1033
CU02	3.275	0.298	0.467	236	235	477	948	LOW	1034
CM08	3.195	0.300	0.476	202	247	497	946	LOW	1035
RU31	3.430	0.293	0.425	334	213	391	938	LOW	1036
RD51	3.786	0.294	0.333	530	216	191	937	LOW	1037
JM77	3.368	0.299	0.426	294	240	396	930	LOW	1038
TH26	3.204	0.316	0.426	206	319	397	922	LOW	1039
RU51	3.583	0.294	0.376	424	223	270	917	LOW	1040
JA03	3.235	0.342	0.374	218	431	267	916	LOW	1041
NE77	3.311	0.358	0.314	259	496	160	915	LOW	1042
JM07	3.091	0.309	0.467	149	284	479	912	LOW	1043
NE23	3.362	0.332	0.352	290	395	224	909	LOW	1044
JM03	2.791	0.334	0.462	41	402	465	908	LOW	1045

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
RA33	2.932	0.269	0.562	90	123	694	907	LOW	1046
JU52	3.009	0.283	0.530	115	170	620	905	LOW	1047
RU85	3.408	0.303	0.400	322	259	324	905	LOW	1048
RU68	3.431	0.288	0.421	337	188	379	904	LOW	1049
NE52	3.301	0.285	0.464	251	183	469	903	LOW	1050
RD17	3.074	0.284	0.518	140	178	583	901	LOW	1051
JA07	3.426	0.316	0.366	329	314	253	896	LOW	1052
NE70	3.042	0.289	0.513	125	194	573	892	LOW	1053
RU46	3.358	0.294	0.421	287	220	381	888	LOW	1054
TC07	3.351	0.256	0.491	282	79	526	887	LOW	1055
RA31	2.957	0.379	0.357	99	554	232	885	LOW	1056
RU39	3.255	0.346	0.340	224	451	203	878	LOW	1057
RA24	2.512	0.289	0.547	13	196	666	875	LOW	1058
PS17	3.091	0.421	0.225	148	663	63	874	LOW	1059
RD22	3.205	0.272	0.493	207	135	532	874	LOW	1060
CM16	3.428	0.284	0.412	332	175	359	866	LOW	1061
AO02	2.073	0.391	0.373	2	589	266	857	LOW	1062
CU10	3.389	0.331	0.314	311	386	159	856	LOW	1063
CM02	3.392	0.302	0.383	313	254	285	852	LOW	1064
RU25	2.794	0.250	0.591	44	61	739	844	LOW	1065
RA50	2.802	0.355	0.388	48	490	296	834	LOW	1066
NE74	2.940	0.323	0.424	95	350	388	833	LOW	1067
RD15	2.877	0.262	0.544	69	102	661	832	LOW	1068
PS80	3.329	0.273	0.434	273	138	415	826	LOW	1069
CU07	3.147	0.284	0.466	171	176	476	823	LOW	1070
RD06	2.962	0.276	0.512	102	148	572	822	LOW	1071
RD39	4.012	0.239	0.322	611	36	175	822	LOW	1072
RU67	3.311	0.288	0.418	258	192	370	820	LOW	1073
RA32	2.726	0.243	0.593	30	45	742	817	LOW	1074
CU05	3.381	0.308	0.358	305	272	233	810	LOW	1075
TH04	2.812	0.389	0.324	49	582	178	809	LOW	1076
CM09	3.157	0.275	0.467	182	144	478	804	LOW	1077
RD24	3.567	0.269	0.372	415	124	264	803	LOW	1078
RD72	3.694	0.294	0.265	491	217	88	796	LOW	1079
RU40	2.883	0.324	0.419	70	354	372	796	LOW	1080
JR09	3.295	0.332	0.309	248	393	153	794	LOW	1081
RU27	2.851	0.293	0.483	64	214	514	792	LOW	1082
RD49	3.376	0.260	0.424	300	97	389	786	LOW	1083
NE88	2.992	0.307	0.427	109	271	399	779	LOW	1084

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
NE14	3.228	0.254	0.464	216	74	471	761	LOW	1085
RU54	3.640	0.277	0.308	458	151	151	760	LOW	1086
RA09	2.789	0.229	0.563	40	18	696	754	LOW	1087
RU37	3.244	0.273	0.423	221	137	384	742	LOW	1088
JU48	2.821	0.272	0.498	53	136	543	732	LOW	1089
RU16	2.662	0.257	0.532	24	80	626	730	LOW	1090
PS77	2.910	0.379	0.263	82	555	87	724	LOW	1091
CU22	2.730	0.288	0.476	31	190	496	717	LOW	1092
JA34	3.223	0.336	0.271	213	407	97	717	LOW	1093
JA10	3.171	0.331	0.301	190	388	135	713	LOW	1094
NE13	3.191	0.251	0.452	198	62	450	710	LOW	1095
NE71	3.157	0.266	0.430	183	113	404	700	LOW	1096
TH17	2.476	0.223	0.551	10	14	675	699	LOW	1097
RU45	3.161	0.316	0.337	184	316	198	698	LOW	1098
NE48	3.126	0.275	0.425	163	141	392	696	LOW	1099
JU45	3.119	0.308	0.371	159	276	260	695	LOW	1100
JU44	3.171	0.329	0.298	189	373	132	694	LOW	1101
JA30	3.302	0.321	0.276	252	338	103	693	LOW	1102
NE83	3.107	0.321	0.332	154	345	189	688	LOW	1103
NE78	3.073	0.310	0.370	139	289	256	684	LOW	1104
RA08	2.684	0.229	0.533	26	20	630	676	LOW	1105
RD69	3.266	0.258	0.407	230	93	350	673	LOW	1106
JA22	2.977	0.268	0.449	106	118	447	671	LOW	1107
TH01	2.723	0.338	0.352	29	416	225	670	LOW	1108
CM14	3.149	0.280	0.400	174	163	326	663	LOW	1109
RU55	3.241	0.299	0.337	220	239	197	656	LOW	1110
RD28	3.193	0.254	0.420	200	72	376	648	LOW	1111
RL09	2.920	0.261	0.457	86	100	460	646	LOW	1112
TH03	3.187	0.288	0.371	193	191	262	646	LOW	1113
RD08	3.139	0.239	0.444	169	37	439	645	LOW	1114
TH24	3.191	0.259	0.407	199	95	351	645	LOW	1115
JM36	2.892	0.330	0.326	75	382	180	637	LOW	1116
JA06	3.283	0.294	0.322	239	218	174	631	LOW	1117
JM29	2.842	0.257	0.468	61	86	481	628	LOW	1118
RU48	3.153	0.266	0.403	179	110	337	626	LOW	1119
JM73	3.156	0.277	0.385	181	150	290	621	LOW	1120
RU18	2.722	0.244	0.493	28	48	530	606	LOW	1121
RU73	3.262	0.247	0.397	227	55	321	603	LOW	1122
JA15	3.063	0.271	0.402	135	133	333	601	LOW	1123

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
RU34	3.038	0.261	0.421	124	99	378	601	LOW	1124
NE79	2.923	0.227	0.468	88	15	480	583	LOW	1125
RU44	3.045	0.279	0.386	126	159	292	577	LOW	1126
JA08	3.224	0.298	0.292	215	236	125	576	LOW	1127
RU62	3.190	0.285	0.338	197	180	199	576	LOW	1128
PL01	3.148	0.253	0.401	173	71	329	573	LOW	1129
JU54	2.159	0.170	0.507	3	2	559	564	LOW	1130
RD52	3.067	0.271	0.390	138	128	298	564	LOW	1131
TH16	3.385	0.197	0.366	309	3	250	562	LOW	1132
RD48	3.370	0.258	0.321	296	92	173	561	LOW	1133
RU64	3.267	0.282	0.315	231	169	161	561	LOW	1134
NE63	2.793	0.261	0.433	42	101	412	555	LOW	1135
TH02	3.165	0.299	0.292	188	241	126	555	LOW	1136
RD67	3.451	0.268	0.260	354	116	84	554	LOW	1137
RD57	3.162	0.278	0.344	185	156	211	552	LOW	1138
RA02	2.891	0.236	0.446	74	33	443	550	LOW	1139
CU19	2.832	0.274	0.406	57	140	348	545	LOW	1140
RD41	3.001	0.257	0.404	113	89	343	545	LOW	1141
CM11	3.085	0.268	0.380	146	120	276	542	LOW	1142
RU63	3.302	0.279	0.292	253	162	127	542	LOW	1143
NE80	3.019	0.295	0.327	119	229	182	530	LOW	1144
RD27	3.217	0.257	0.359	211	82	234	527	LOW	1145
RU02	2.815	0.258	0.423	51	91	385	527	LOW	1146
RD61	3.078	0.257	0.391	142	83	301	526	LOW	1147
NE64	3.178	0.263	0.355	191	105	229	525	LOW	1148
JU41	2.899	0.296	0.346	76	232	214	522	LOW	1149
RU24	2.768	0.235	0.455	38	28	452	518	LOW	1150
RA64	3.031	0.329	0.143	120	369	25	514	LOW	1151
RD77	3.125	0.253	0.381	162	69	282	513	LOW	1152
RD32	2.960	0.251	0.403	101	63	336	500	LOW	1153
RD45	2.869	0.228	0.435	66	16	416	498	LOW	1154
RD64	3.107	0.253	0.381	153	68	277	498	LOW	1155
RD09	2.949	0.267	0.381	97	114	278	489	LOW	1156
RD55	3.048	0.270	0.360	127	127	235	489	LOW	1157
JM08	2.937	0.268	0.379	92	121	275	488	LOW	1158
RD53	2.958	0.253	0.395	100	67	317	484	LOW	1159
CM10	3.052	0.285	0.319	131	181	169	481	LOW	1160
CU03	3.075	0.259	0.365	141	94	246	481	LOW	1161
JU60	2.885	0.290	0.341	71	202	206	479	LOW	1162

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
JU79	2.816	0.327	0.199	52	366	49	467	LOW	1163
YO07	3.199	0.256	0.328	204	78	185	467	LOW	1164
RA11	2.509	0.235	0.436	12	29	418	459	LOW	1165
RD12	2.827	0.243	0.412	54	46	358	458	LOW	1166
RU17	2.743	0.294	0.341	32	219	204	455	LOW	1167
JA39	2.814	0.267	0.381	50	115	279	444	LOW	1168
RU60	3.181	0.271	0.288	192	131	119	442	LOW	1169
RU88	3.190	0.252	0.327	196	65	181	442	LOW	1170
CM07	3.048	0.277	0.316	128	149	163	440	LOW	1171
RU72	3.113	0.239	0.362	157	38	241	436	LOW	1172
RA03	2.854	0.244	0.398	65	47	322	434	LOW	1173
RD44	2.939	0.248	0.381	94	58	281	433	LOW	1174
RU80	3.082	0.266	0.320	145	111	171	427	LOW	1175
RD07	3.093	0.242	0.354	150	43	227	420	LOW	1176
RU52	2.443	0.230	0.425	7	22	390	419	LOW	1177
NE86	3.059	0.241	0.363	133	41	243	417	LOW	1178
YO27	2.757	0.266	0.372	36	112	263	411	LOW	1179
RD63	2.979	0.257	0.344	107	85	209	401	LOW	1180
JU43	2.829	0.292	0.296	56	211	131	398	LOW	1181
RU43	3.006	0.285	0.276	114	179	102	395	LOW	1182
JU18	2.913	0.289	0.285	83	197	113	393	LOW	1183
RU19	2.795	0.252	0.381	46	64	283	393	LOW	1184
RD50	3.261	0.258	0.245	226	90	72	388	LOW	1185
RD35	2.998	0.253	0.341	112	70	205	387	LOW	1186
RD62	3.152	0.241	0.319	177	42	168	387	LOW	1187
RA51	2.869	0.283	0.304	67	171	148	386	LOW	1188
RD30	2.795	0.229	0.396	45	19	318	382	LOW	1189
NE81	2.567	0.263	0.365	16	103	247	366	LOW	1190
CU30	2.585	0.304	0.258	19	260	83	362	LOW	1191
RA12	2.996	0.235	0.347	110	30	217	357	LOW	1192
RA14	2.915	0.240	0.349	84	40	221	345	LOW	1193
RD65	3.064	0.233	0.326	136	27	179	342	LOW	1194
TH28	2.619	0.281	0.311	21	166	155	342	LOW	1195
JU57	2.551	0.281	0.304	14	167	145	326	LOW	1196
NE66	3.104	0.245	0.288	151	50	117	318	LOW	1197
RD43	2.713	0.230	0.375	27	21	269	317	LOW	1198
RU38	2.937	0.271	0.271	91	130	96	317	LOW	1199
RD60	3.010	0.247	0.304	116	54	146	316	LOW	1200
NE73	2.922	0.238	0.333	87	35	193	315	LOW	1201

2016 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
RA10	2.620	0.239	0.366	23	39	251	313	LOW	1202
JM01	2.425	0.308	0.141	5	274	23	302	LOW	1203
RD47	3.037	0.244	0.291	123	49	124	296	LOW	1204
NE67	2.985	0.230	0.310	108	23	154	285	LOW	1205
RD66	3.059	0.228	0.302	132	17	136	285	LOW	1206
RU41	2.777	0.270	0.288	39	125	121	285	LOW	1207
RD33	2.850	0.213	0.344	63	8	210	281	LOW	1208
RD42	2.794	0.271	0.282	43	129	108	280	LOW	1209
RA13	2.564	0.204	0.369	15	4	255	274	LOW	1210
RU47	2.901	0.245	0.303	78	51	143	272	LOW	1211
RD34	2.904	0.235	0.313	80	31	157	268	LOW	1212
RD56	2.901	0.253	0.290	79	66	122	267	LOW	1213
JM02	2.456	0.257	0.306	9	88	150	247	LOW	1214
RD59	2.955	0.246	0.261	98	53	85	236	LOW	1215
RU50	2.425	0.272	0.266	6	134	90	230	LOW	1216
RD37	2.590	0.218	0.322	20	11	176	207	LOW	1217
CU13	2.827	0.232	0.288	55	26	118	199	LOW	1218
RD38	2.568	0.212	0.287	17	7	116	140	LOW	1219
RU49	2.290	0.232	0.269	4	25	95	124	LOW	1220
RD36	2.620	0.215	0.256	22	10	81	113	LOW	1221
RD31	2.509	0.222	0.266	11	12	89	112	LOW	1222
AO01	0.000	0.000	0.000	1	1	1	3	LOW	1223
AO05	0.000	0.000	0.000	1	1	1	3	LOW	1224
AO12	0.000	0.000	0.000	1	1	1	3	LOW	1225
AO16	0.000	0.000	0.000	1	1	1	3	LOW	1226
AO19	0.000	0.000	0.000	1	1	1	3	LOW	1227
AO20	0.000	0.000	0.000	1	1	1	3	LOW	1228
AO22	0.000	0.000	0.000	1	1	1	3	LOW	1229
AO25	0.000	0.000	0.000	1	1	1	3	LOW	1230
CB27	0.000	0.000	0.000	1	1	1	3	LOW	1231
CB37	0.000	0.000	0.000	1	1	1	3	LOW	1232
JU16	0.000	0.000	0.000	1	1	1	3	LOW	1233
NE89	0.000	0.000	0.000	1	1	1	3	LOW	1234
RL19	0.000	0.000	0.000	1	1	1	3	LOW	1235
TC35	0.000	0.000	0.000	1	1	1	3	LOW	1236
TH46	0.000	0.000	0.000	1	1	1	3	LOW	1237

Attachment B

Drainage Basins in Each Soil and Water Conservation District

SWCD	Location
APPOMATTOX RIVER	Both
BIG SANDY	OCB
BIG WALKER	OCB
BLUE RIDGE	Both
CHOWAN BASIN	OCB
CLINCH VALLEY	OCB
COLONIAL	CB
CULPEPER	CB
DANIEL BOONE	OCB
EASTERN SHORE	Both
EVERGREEN	OCB
HALIFAX	OCB
HANOVER-CAROLINE	CB
HEADWATERS	CB
HENRICOPOLIS	CB
HOLSTON RIVER	OCB
JAMES RIVER	Both
JOHN MARSHALL	CB
LAKE COUNTRY	OCB
LONESOME PINE	OCB
LORD FAIRFAX	CB
LOUDOUN	CB
MONACAN	CB
MOUNTAIN	CB
MOUNTAIN CASTLES	Both
NATURAL BRIDGE	CB
NEW RIVER	OCB
NORTHERN NECK	CB
NORTHERN VA	CB
PATRICK	OCB
PEAKS OF OTTER	Both
PEANUT	Both
PETER FRANCISCO	CB
PIEDMONT	Both
PITTSYLVANIA	OCB
PRINCE WILLIAM	CB
ROBERT E. LEE	Both
SCOTT COUNTY	OCB
SHENANDOAH VALLEY	CB

SKYLINE	Both
SOUTHSIDE	OCB
TAZEWELL	OCB
THOMAS JEFFERSON	CB
THREE RIVERS	CB
TIDEWATER	CB
TRI-COUNTY/CITY	CB
VIRGINIA DARE	Both

Attachment C

This attachment provides data by Drainage Basin (CB and OCB), District, Agricultural Pollutant Potential Rank (H, M, and L), Total Area (acres) of Hydrologic Units in each District by Agricultural Pollutant Potential Rank and Drainage Basin, and the resulting Percentage Rank (Cost-share Multiplier).

Drainage Basin	SWCD Number	District Name	Agricultural Pollutant Potential Rank	Total Agricultural Area (acres) of Hydrologic Units in each District by Agricultural Pollutant Potential Rank and Drainage Basin	Percentage AGLAND Rank (Cost-share Multiplier)
CB	1	TIDEWATER	H	12451.6411	1.43350493748
CB	1	TIDEWATER	M	24463.4346	2.56670765648
CB	1	TIDEWATER	L	5527.7478	0.48529461655
CB	2	THOMAS JEFFERSON	H	9923.7529	1.14247982317
CB	2	THOMAS JEFFERSON	M	70689.6189	7.41676666055
CB	2	THOMAS JEFFERSON	L	151399.0075	13.29169238318
CB	3	SOUTHSIDE	H	0.0000	0.00000000000
CB	3	SOUTHSIDE	M	0.0000	0.00000000000
CB	3	SOUTHSIDE	L	56.8342	0.00498961832
CB	4	NATURAL BRIDGE	H	0.0000	0.00000000000
CB	4	NATURAL BRIDGE	M	55709.9124	5.84509334498
CB	4	NATURAL BRIDGE	L	41303.6676	3.62615087866
CB	5	PIEDMONT	H	338.5344	0.03897403779
CB	5	PIEDMONT	M	22758.4073	2.38781591072
CB	5	PIEDMONT	L	101145.1823	8.87978508917
CB	6	BLUE RIDGE	H	0.0000	0.00000000000
CB	6	BLUE RIDGE	M	0.0000	0.00000000000
CB	6	BLUE RIDGE	L	3476.7730	0.30523447719
CB	7	CULPEPER	H	101795.0695	11.71923713031
CB	7	CULPEPER	M	91305.4453	9.57978261686
CB	7	CULPEPER	L	123864.0528	10.87433077738
CB	8	NORTHERN NECK	H	20685.1930	2.38139905372
CB	8	NORTHERN NECK	M	68939.9355	7.23318958668
CB	8	NORTHERN NECK	L	36942.2573	3.24325190763
CB	9	SHENANDOAH VALLEY	H	202334.9666	23.29397155266
CB	9	SHENANDOAH VALLEY	M	39334.3685	4.12696853692
CB	9	SHENANDOAH VALLEY	L	894.5215	0.07853225355
CB	10	ROBERT E. LEE	H	1312.1297	0.15105995670
CB	10	ROBERT E. LEE	M	14762.0766	1.54883954948
CB	10	ROBERT E. LEE	L	75795.1079	6.65423951042
CB	11	NEW RIVER	H	0.0000	0.00000000000
CB	11	NEW RIVER	M	0.0000	0.00000000000
CB	11	NEW RIVER	L	0.0000	0.00000000000

CB	12	JAMES RIVER	H	8357.1046	0.96211821762
CB	12	JAMES RIVER	M	11443.4511	1.20064880375
CB	12	JAMES RIVER	L	7731.9280	0.67880503137
CB	13	LORD FAIRFAX	H	72048.5215	8.29464248109
CB	13	LORD FAIRFAX	M	96850.4905	10.16156968566
CB	13	LORD FAIRFAX	L	107055.9436	9.39870540109
CB	14	SKYLINE	H	0.0000	0.00000000000
CB	14	SKYLINE	M	0.0000	0.00000000000
CB	14	SKYLINE	L	160.6185	0.01410109525
CB	15	PEANUT	H	39529.4508	4.55085899681
CB	15	PEANUT	M	26620.6647	2.79304460437
CB	15	PEANUT	L	0.0000	0.00000000000
CB	16	MOUNTAIN	H	5426.4346	0.62472253279
CB	16	MOUNTAIN	M	75705.6814	7.94305277490
CB	16	MOUNTAIN	L	8379.3441	0.73564329223
CB	17	TRI-COUNTY/CITY	H	16180.4616	1.86278831725
CB	17	TRI-COUNTY/CITY	M	29049.7108	3.04790052622
CB	17	TRI-COUNTY/CITY	L	25824.9854	2.26723917636
CB	18	COLONIAL	H	30831.3408	3.54948225937
CB	18	COLONIAL	M	9992.9424	1.04846118816
CB	18	COLONIAL	L	3059.1649	0.26857162954
CB	19	CHOWAN BASIN	H	0.0000	0.00000000000
CB	19	CHOWAN BASIN	M	0.0000	0.00000000000
CB	19	CHOWAN BASIN	L	0.0000	0.00000000000
CB	20	EASTERN SHORE	H	0.0000	0.00000000000
CB	20	EASTERN SHORE	M	26645.3753	2.79563723836
CB	20	EASTERN SHORE	L	40322.4296	3.54000557422
CB	21	NORTHERN VIRGINIA	H	2233.8328	0.25717175302
CB	21	NORTHERN VIRGINIA	M	1507.3429	0.15815067378
CB	21	NORTHERN VIRGINIA	L	536.2187	0.04707596414
CB	22	VIRGINIA DARE	H	91.4290	0.01052583502
CB	22	VIRGINIA DARE	M	4991.5291	0.52371206728
CB	22	VIRGINIA DARE	L	0.0000	0.00000000000
CB	23	HOLSTON RIVER	H	0.0000	0.00000000000
CB	23	HOLSTON RIVER	M	0.0000	0.00000000000
CB	23	HOLSTON RIVER	L	0.0000	0.00000000000
CB	24	DANIEL BOONE	H	0.0000	0.00000000000
CB	24	DANIEL BOONE	M	0.0000	0.00000000000
CB	24	DANIEL BOONE	L	0.0000	0.00000000000
CB	25	CLINCH VALLEY	H	0.0000	0.00000000000
CB	25	CLINCH VALLEY	M	0.0000	0.00000000000
CB	25	CLINCH VALLEY	L	0.0000	0.00000000000
CB	26	SCOTT COUNTY	H	0.0000	0.00000000000
CB	26	SCOTT COUNTY	M	0.0000	0.00000000000
CB	26	SCOTT COUNTY	L	0.0000	0.00000000000
CB	27	LONESOME PINE	H	0.0000	0.00000000000
CB	27	LONESOME PINE	M	0.0000	0.00000000000

CB	27	LONESOME PINE	L	0.0000	0.0000000000
CB	28	EVERGREEN	H	0.0000	0.0000000000
CB	28	EVERGREEN	M	0.0000	0.0000000000
CB	28	EVERGREEN	L	0.0000	0.0000000000
CB	29	TAZEWELL	H	0.0000	0.0000000000
CB	29	TAZEWELL	M	0.0000	0.0000000000
CB	29	TAZEWELL	L	0.0000	0.0000000000
CB	30	HANOVER-CAROLINE	H	34935.7615	4.02200690735
CB	30	HANOVER-CAROLINE	M	18866.4973	1.97947605628
CB	30	HANOVER-CAROLINE	L	57214.7843	5.02302706818
CB	31	PITTSYLVANIA	H	0.0000	0.0000000000
CB	31	PITTSYLVANIA	M	0.0000	0.0000000000
CB	31	PITTSYLVANIA	L	0.0000	0.0000000000
CB	32	JOHN MARSHALL	H	39845.7457	4.58727269635
CB	32	JOHN MARSHALL	M	90289.8452	9.47322568131
CB	32	JOHN MARSHALL	L	39793.8663	3.49360169974
CB	33	HALIFAX	H	0.0000	0.0000000000
CB	33	HALIFAX	M	0.0000	0.0000000000
CB	33	HALIFAX	L	0.0000	0.0000000000
CB	34	PEAKS OF OTTER	H	0.0000	0.0000000000
CB	34	PEAKS OF OTTER	M	316.2949	0.03318571516
CB	34	PEAKS OF OTTER	L	10044.8345	0.88186080298
CB	35	PRINCE WILLIAM	H	11473.1037	1.32085005452
CB	35	PRINCE WILLIAM	M	10635.4164	1.11586967207
CB	35	PRINCE WILLIAM	L	7247.6014	0.63628480569
CB	36	LOUDOUN	H	8322.5099	0.95813546923
CB	36	LOUDOUN	M	12822.2992	1.34531778075
CB	36	LOUDOUN	L	110325.1479	9.68571691772
CB	37	BIG WALKER	H	0.0000	0.0000000000
CB	37	BIG WALKER	M	0.0000	0.0000000000
CB	37	BIG WALKER	L	0.0000	0.0000000000
CB	38	MONACAN	H	1670.4325	0.19230985071
CB	38	MONACAN	M	21174.4617	2.22162807155
CB	38	MONACAN	L	40989.8438	3.59859950794
CB	39	PETER FRANCISCO	H	914.2900	0.10525835024
CB	39	PETER FRANCISCO	M	42600.9710	4.46970100987
CB	39	PETER FRANCISCO	L	47567.7895	4.17609359344
CB	40	HENRICOPOLIS	H	7865.3649	0.90550629411
CB	40	HENRICOPOLIS	M	7299.4935	0.76586408255
CB	40	HENRICOPOLIS	L	640.0030	0.05618744108
CB	41	HEADWATERS	H	166415.6148	19.15872803184
CB	41	HEADWATERS	M	40913.2411	4.29262410791
CB	41	HEADWATERS	L	14759.6055	1.29578218356
CB	42	APPOMATTOX RIVER	H	0.0000	0.0000000000
CB	42	APPOMATTOX RIVER	M	1507.3429	0.15815067378
CB	42	APPOMATTOX RIVER	L	5984.8928	0.52542850303
CB	43	THREE RIVERS	H	69088.1988	7.95383301193

CB	43	THREE RIVERS	M	34915.9930	3.66339183697
CB	43	THREE RIVERS	L	11623.8380	1.02048541629
CB	44	PATRICK	H	0.0000	0.00000000000
CB	44	PATRICK	M	0.0000	0.00000000000
CB	44	PATRICK	L	0.0000	0.00000000000
CB	45	MOUNTAIN CASTLES	H	4544.2683	0.52316244891
CB	45	MOUNTAIN CASTLES	M	993.3637	0.10422388666
CB	45	MOUNTAIN CASTLES	L	59381.8987	5.21328338410
CB	46	LAKE COUNTRY	H	0.0000	0.00000000000
CB	46	LAKE COUNTRY	M	0.0000	0.00000000000
CB	46	LAKE COUNTRY	L	0.0000	0.00000000000
CB	47	BIG SANDY	H	0.0000	0.00000000000
CB	47	BIG SANDY	M	0.0000	0.00000000000
CB	47	BIG SANDY	L	0.0000	0.00000000000
OCB	1	TIDEWATER	H	0.0000	0.00000000000
OCB	1	TIDEWATER	M	0.0000	0.00000000000
OCB	1	TIDEWATER	L	0.0000	0.00000000000
OCB	2	THOMAS JEFFERSON	H	0.0000	0.00000000000
OCB	2	THOMAS JEFFERSON	M	0.0000	0.00000000000
OCB	2	THOMAS JEFFERSON	L	0.0000	0.00000000000
OCB	3	SOUTHSIDE	H	0.0000	0.00000000000
OCB	3	SOUTHSIDE	M	3580.5572	0.68336247040
OCB	3	SOUTHSIDE	L	125732.1696	6.31656957469
OCB	4	NATURAL BRIDGE	H	0.0000	0.00000000000
OCB	4	NATURAL BRIDGE	M	0.0000	0.00000000000
OCB	4	NATURAL BRIDGE	L	0.0000	0.00000000000
OCB	5	PIEDMONT	H	0.0000	0.00000000000
OCB	5	PIEDMONT	M	0.0000	0.00000000000
OCB	5	PIEDMONT	L	20171.2138	1.01336734873
OCB	6	BLUE RIDGE	H	0.0000	0.00000000000
OCB	6	BLUE RIDGE	M	12384.9226	2.36370786863
OCB	6	BLUE RIDGE	L	152938.4742	7.68336787305
OCB	7	CULPEPER	H	0.0000	0.00000000000
OCB	7	CULPEPER	M	0.0000	0.00000000000
OCB	7	CULPEPER	L	0.0000	0.00000000000
OCB	8	NORTHERN NECK	H	0.0000	0.00000000000
OCB	8	NORTHERN NECK	M	0.0000	0.00000000000
OCB	8	NORTHERN NECK	L	0.0000	0.00000000000
OCB	9	SHENANDOAH VALLEY	H	0.0000	0.00000000000
OCB	9	SHENANDOAH VALLEY	M	0.0000	0.00000000000
OCB	9	SHENANDOAH VALLEY	L	0.0000	0.00000000000
OCB	10	ROBERT E. LEE	H	0.0000	0.00000000000
OCB	10	ROBERT E. LEE	M	8324.9809	1.58885311441
OCB	10	ROBERT E. LEE	L	90158.8762	4.52942803943
OCB	11	NEW RIVER	H	0.0000	0.00000000000
OCB	11	NEW RIVER	M	45687.3174	8.71959193599
OCB	11	NEW RIVER	L	125655.5670	6.31272118711

OCB	12	JAMES RIVER	H	13257.2047	5.56331878097
OCB	12	JAMES RIVER	M	2574.8383	0.49141731826
OCB	12	JAMES RIVER	L	541.1608	0.02718699613
OCB	13	LORD FAIRFAX	H	0.0000	0.00000000000
OCB	13	LORD FAIRFAX	M	0.0000	0.00000000000
OCB	13	LORD FAIRFAX	L	0.0000	0.00000000000
OCB	14	SKYLINE	H	4954.4633	2.07911540650
OCB	14	SKYLINE	M	78221.2144	14.92880538340
OCB	14	SKYLINE	L	142698.4264	7.16892535276
OCB	15	PEANUT	H	33883.0924	14.21886805680
OCB	15	PEANUT	M	21505.5830	4.10441930980
OCB	15	PEANUT	L	40994.7859	2.05950806266
OCB	16	MOUNTAIN	H	0.0000	0.00000000000
OCB	16	MOUNTAIN	M	0.0000	0.00000000000
OCB	16	MOUNTAIN	L	0.0000	0.00000000000
OCB	17	TRI-COUNTY/CITY	H	0.0000	0.00000000000
OCB	17	TRI-COUNTY/CITY	M	0.0000	0.00000000000
OCB	17	TRI-COUNTY/CITY	L	0.0000	0.00000000000
OCB	18	COLONIAL	H	0.0000	0.00000000000
OCB	18	COLONIAL	M	0.0000	0.00000000000
OCB	18	COLONIAL	L	0.0000	0.00000000000
OCB	19	CHOWAN BASIN	H	21347.4355	8.95834314051
OCB	19	CHOWAN BASIN	M	84885.6470	16.20073677240
OCB	19	CHOWAN BASIN	L	92405.0643	4.64227269458
OCB	20	EASTERN SHORE	H	1527.1114	0.64084454923
OCB	20	EASTERN SHORE	M	18944.8657	3.61569703966
OCB	20	EASTERN SHORE	L	29919.9433	1.50312687730
OCB	21	NORTHERN VIRGINIA	H	0.0000	0.00000000000
OCB	21	NORTHERN VIRGINIA	M	0.0000	0.00000000000
OCB	21	NORTHERN VIRGINIA	L	0.0000	0.00000000000
OCB	22	VIRGINIA DARE	H	69.1895	0.02903502812
OCB	22	VIRGINIA DARE	M	64571.1121	12.32363334303
OCB	22	VIRGINIA DARE	L	0.0000	0.00000000000
OCB	23	HOLSTON RIVER	H	388.0876	0.16285897888
OCB	23	HOLSTON RIVER	M	16061.9118	3.06547473008
OCB	23	HOLSTON RIVER	L	109371.3211	5.49462847265
OCB	24	DANIEL BOONE	H	83655.0621	35.10542292844
OCB	24	DANIEL BOONE	M	0.0000	0.00000000000
OCB	24	DANIEL BOONE	L	0.0000	0.00000000000
OCB	25	CLINCH VALLEY	H	10134.2615	4.25279148265
OCB	25	CLINCH VALLEY	M	60686.6152	11.58226287825
OCB	25	CLINCH VALLEY	L	30982.0751	1.55648656357
OCB	26	SCOTT COUNTY	H	44049.0086	18.48494325995
OCB	26	SCOTT COUNTY	M	8171.7756	1.55961331236
OCB	26	SCOTT COUNTY	L	23697.4079	1.19051731892
OCB	27	LONESOME PINE	H	19731.3662	8.28016784084
OCB	27	LONESOME PINE	M	31624.5491	6.03566107398

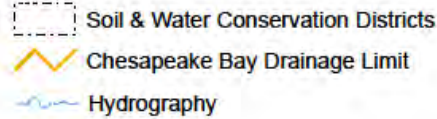
OCB	27	LONESOME PINE	L	5283.1135	0.26541460144
OCB	28	EVERGREEN	H	0.0000	0.00000000000
OCB	28	EVERGREEN	M	7094.3960	1.35399147862
OCB	28	EVERGREEN	L	73298.8748	3.68241034735
OCB	29	TAZEWELL	H	0.0000	0.00000000000
OCB	29	TAZEWELL	M	778.3820	0.14855705878
OCB	29	TAZEWELL	L	80993.7370	4.06898708678
OCB	30	HANOVER-CAROLINE	H	0.0000	0.00000000000
OCB	30	HANOVER-CAROLINE	M	0.0000	0.00000000000
OCB	30	HANOVER-CAROLINE	L	0.0000	0.00000000000
OCB	31	PITTSYLVANIA	H	0.0000	0.00000000000
OCB	31	PITTSYLVANIA	M	9004.5208	1.71854578478
OCB	31	PITTSYLVANIA	L	176067.5396	8.84533263897
OCB	32	JOHN MARSHALL	H	0.0000	0.00000000000
OCB	32	JOHN MARSHALL	M	0.0000	0.00000000000
OCB	32	JOHN MARSHALL	L	0.0000	0.00000000000
OCB	33	HALIFAX	H	0.0000	0.00000000000
OCB	33	HALIFAX	M	2938.0832	0.56074394569
OCB	33	HALIFAX	L	134165.8769	6.74026463303
OCB	34	PEAKS OF OTTER	H	0.0000	0.00000000000
OCB	34	PEAKS OF OTTER	M	0.0000	0.00000000000
OCB	34	PEAKS OF OTTER	L	126327.6936	6.34648768458
OCB	35	PRINCE WILLIAM	H	0.0000	0.00000000000
OCB	35	PRINCE WILLIAM	M	0.0000	0.00000000000
OCB	35	PRINCE WILLIAM	L	0.0000	0.00000000000
OCB	36	LOUDOUN	H	0.0000	0.00000000000
OCB	36	LOUDOUN	M	0.0000	0.00000000000
OCB	36	LOUDOUN	L	0.0000	0.00000000000
OCB	37	BIG WALKER	H	0.0000	0.00000000000
OCB	37	BIG WALKER	M	5206.5108	0.99368165986
OCB	37	BIG WALKER	L	161559.9816	8.11649768804
OCB	38	MONACAN	H	0.0000	0.00000000000
OCB	38	MONACAN	M	0.0000	0.00000000000
OCB	38	MONACAN	L	0.0000	0.00000000000
OCB	39	PETER FRANCISCO	H	0.0000	0.00000000000
OCB	39	PETER FRANCISCO	M	0.0000	0.00000000000
OCB	39	PETER FRANCISCO	L	0.0000	0.00000000000
OCB	40	HENRICOPOLIS	H	0.0000	0.00000000000
OCB	40	HENRICOPOLIS	M	0.0000	0.00000000000
OCB	40	HENRICOPOLIS	L	0.0000	0.00000000000
OCB	41	HEADWATERS	H	0.0000	0.00000000000
OCB	41	HEADWATERS	M	0.0000	0.00000000000
OCB	41	HEADWATERS	L	0.0000	0.00000000000
OCB	42	APPOMATTOX RIVER	H	1000.7769	0.41997094246
OCB	42	APPOMATTOX RIVER	M	12058.7435	2.30145538686
OCB	42	APPOMATTOX RIVER	L	35746.2672	1.79583144270
OCB	43	THREE RIVERS	H	0.0000	0.00000000000

OCB	43	THREE RIVERS	M	0.0000	0.0000000000
OCB	43	THREE RIVERS	L	0.0000	0.0000000000
OCB	44	PATRICK	H	0.0000	0.0000000000
OCB	44	PATRICK	M	34.5948	0.00660253595
OCB	44	PATRICK	L	48281.9241	2.42560144884
OCB	45	MOUNTAIN CASTLES	H	0.0000	0.0000000000
OCB	45	MOUNTAIN CASTLES	M	6145.5113	1.17289334982
OCB	45	MOUNTAIN CASTLES	L	12931.0256	0.64963265171
OCB	46	LAKE COUNTRY	H	4299.6340	1.80431960464
OCB	46	LAKE COUNTRY	M	17257.8411	3.29372221758
OCB	46	LAKE COUNTRY	L	142547.6921	7.16135271914
OCB	47	BIG SANDY	H	0.0000	0.0000000000
OCB	47	BIG SANDY	M	6217.1719	1.18657003142
OCB	47	BIG SANDY	L	8043.2808	0.40408069584
					600.0000000000

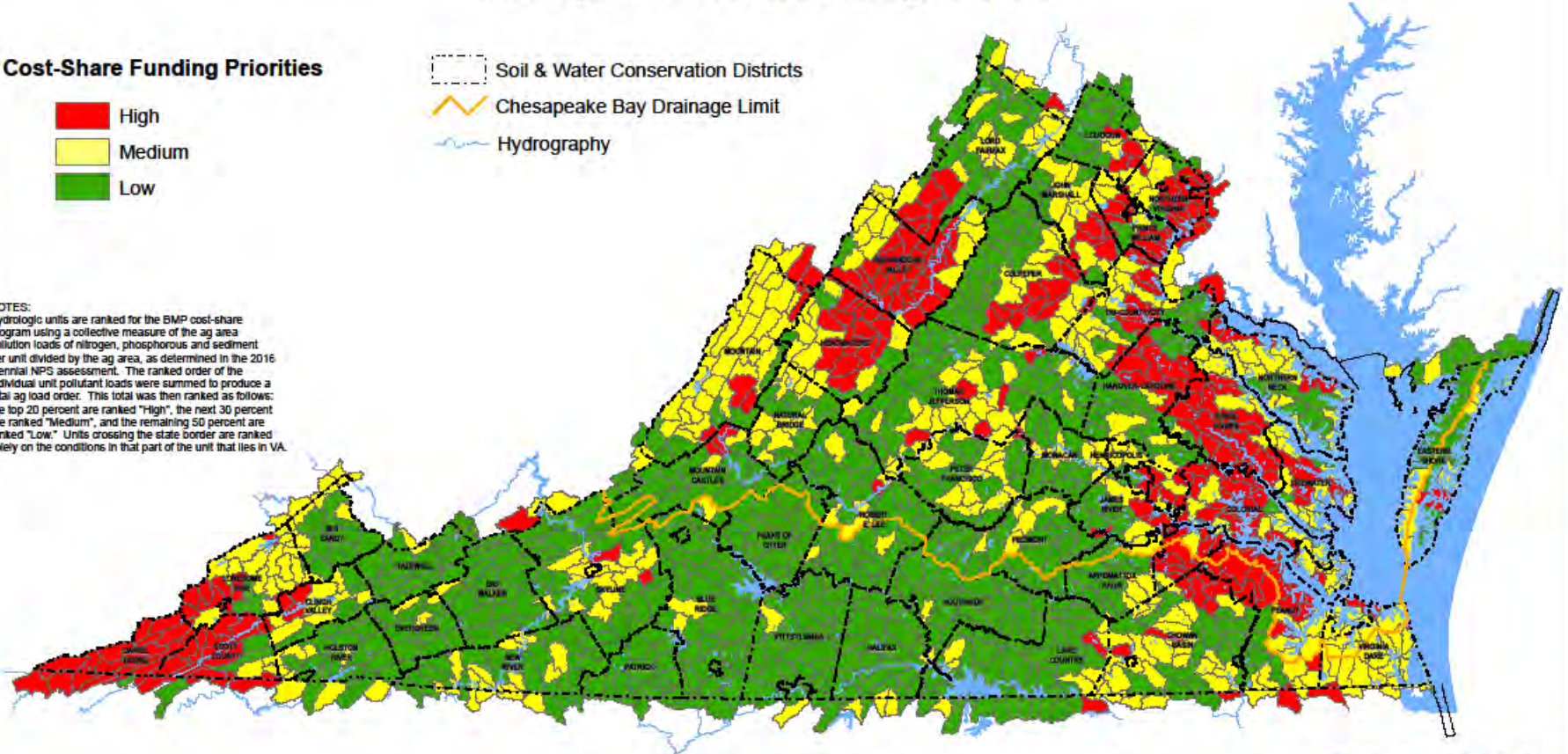
Virginia's Agricultural BMP Cost-Share Funding Priorities

Total Agricultural Unit Ranking - PY2018

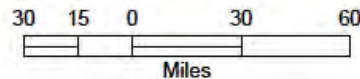
Cost-Share Funding Priorities



NOTES:
Hydrologic units are ranked for the BMP cost-share program using a collective measure of the ag area pollution loads of nitrogen, phosphorus and sediment per unit divided by the ag area, as determined in the 2016 biennial NPS assessment. The ranked order of the individual unit pollutant loads were summed to produce a total ag load order. This total was then ranked as follows: the top 20 percent are ranked "High", the next 30 percent are ranked "Medium", and the remaining 50 percent are ranked "Low." Units crossing the state border are ranked solely on the conditions in that part of the unit that lies in VA.



DATA SOURCES:
WATERSHED NPS LOADS: VPI-BSE, VADCR & USEPA
HYDROLOGIC UNIT BOUNDARIES: VADCR
S&W CONSERVATION DISTRICT BOUNDARIES: VADCR
HYDROGRAPHY: USGS



15 February 2017

