



**VIRGINIA SOIL AND WATER  
CONSERVATION BOARD  
POLICY AND PROCEDURES ON SOIL  
AND WATER CONSERVATION DISTRICT  
COST-SHARE AND TECHNICAL  
ASSISTANCE FUNDING ALLOCATIONS  
(FISCAL YEAR 2022)**

(Approved by Board on May 20, 2021)

**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 2022 or FY22). 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 FY22 funds. A separate Board Policy and Grant Agreement governs the FY22 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 three 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 2022 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 Item 373 A.1,E.1., E.2, E.3., F.1., P.1, P.2., P.3. and Q. of Chapter 552 of the 2021 Special Session 1 Acts of Assembly (the 2021 Appropriation Act) is 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 373:

A.1. Out of the amounts appropriated for Financial Assistance to Virginia Soil and Water Conservation Districts, \$12,141,091 the first year and \$12,141,091 the second year from the general fund shall be provided to soil and water conservation districts for administrative and operational support as well as base funding for technical assistance. These funds shall be distributed upon approval by the Virginia Soil and Water Conservation Board to the districts in accordance with the Board's established financial allocation policy. These amounts shall be in addition to any other funding provided to the districts for technical assistance pursuant to subsection B of this Item for appropriations in excess of \$35,000,000. Of this amount, \$6,209,091 the first year and \$6,209,091 the second year from the general fund shall be distributed to the districts for core administrative and operational expenses (personnel, training, travel, rent, utilities, office support, and equipment) based on identified budget projections and in accordance with the Board's financial allocation policy; \$4,550,000 the first year and \$4,550,000 the second year for base technical assistance support; \$312,000 the first year and \$312,000 the second year from the general fund shall be distributed at a rate of \$3,000 per dam for maintenance; \$500,000 the first year and \$500,000 the second year from the general fund for small dam repairs of known or suspected deficiencies; \$400,000 the first year and \$400,000 the second year from the general fund for the purchase and installation of remote monitoring equipment for District-owned high and significant hazard dams; and \$170,000 the first year and \$170,000 the second year to the department to provide district support in accordance with Board policy, including, but not limited to, services related to auditing, bonding, contracts, and training. The amount appropriated for small dam repairs of known or suspected deficiencies and the purchase and installation of remote monitoring equipment is authorized for transfer to the Soil and Water Conservation District Dam Maintenance, Repair, and Rehabilitation Fund.

E.1 Out of the appropriation in this Item, \$10,000,000 the first year and \$10,000,000 the second year from the Virginia Natural Resources Commitment Fund, a subfund of the

Virginia Water Quality Improvement Fund, is hereby appropriated. 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 thirteen percent, or \$1,300,000, whichever is greater, shall be appropriated to Virginia Soil and Water Conservation Districts for technical assistance to farmers implementing agricultural best management practices, and \$8,700,000 for Agricultural Best Management Practices Cost-Share Assistance. Of the amount deposited for Cost-Share Assistance, seventy percent 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 thirty percent shall be used for matching grants for agricultural best management practices on lands in the Commonwealth exclusively outside of the Chesapeake Bay watershed.

F.1. Out of the appropriation in this Item, \$2,583,531 in the first year and \$2,583,531 in the second year from the funds designated in Item 3-1.01.C. of this act are hereby appropriated to the Virginia Water Quality Improvement Fund and designated for deposit to the reserve fund established pursuant to paragraph B of Item 372. 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.

P.1. Notwithstanding any other provision of law, this appropriation includes \$30,850,000 the second year from the general fund which shall be deposited to the Virginia Water Quality Improvement Fund established pursuant to the Water Quality Improvement Act of 1997. Of this amount in the second year, \$4,350,000 shall be appropriated to the Department for the following specified statewide uses: \$500,000 shall be used for the Commonwealth's match for participation in the Federal Conservation Reserve Enhancement Program (CREP); \$1,000,000 shall be transferred to the Virginia Association of Soil and Water Conservation Districts to be used for the Virginia Conservation Assistance Program (VCAP); \$1,000,000 shall be allocated for special nonpoint source reduction projects to include, but not be limited to, poultry litter transport and grants related to the development and certification of Resource Management Plans developed pursuant to § 10.1-104.7, and grants related to development and implementation in the Chesapeake Bay watershed nutrient management plans developed in accordance with regulations adopted under § 10.1-104.2; \$250,000 to the Department for the Small Farm Outreach Program; \$250,000 shall be transferred to the Department of Forestry for water quality grants; \$500,000 shall be transferred to the Department of Forestry for the Virginia Trees for Clean Water program; \$1,000,000 shall be transferred to the Department of Environmental Quality for the Clean Water Financing and Assistance Program to pilot "pay for documented performance" contracting and construction of nutrient removal technologies; \$100,000 shall be transferred to the Department of Health to conduct analysis on statewide septic hot spots and map communities with failing or failed onsite wastewater

treatment; and \$250,000 to the Department for the development and continued maintenance of the Conservation Application Suite including costs related to servers and necessary software licenses. The Department of Forestry shall submit a report by August 15, 2021, to the Department of Conservation and Recreation specifying uses of funds received.

2. Of the remaining amount in the second year, \$26,000,000 is authorized for transfer to the Virginia Natural Resources Commitment Fund, a sub fund of the Water Quality Improvement Fund. Notwithstanding any other provision of law, the funds transferred to the Virginia Natural Resources Commitment Fund shall be distributed by the Department upon approval of the Virginia Soil and Water Conservation Board in accordance with the board's developed policies, as follows: \$18,200,000 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 \$7,800,000 shall be used for matching grants for Agricultural Best Management Practices on lands in the Commonwealth exclusively outside the Chesapeake Bay watershed.

3. This appropriation meets the mandatory deposit requirements associated with the FY 2020 discretionary year-end general fund balances.

Q. Out of the appropriation in this Item, \$39,000,000 the second year from the general fund shall be deposited to the Virginia Natural Resources Commitment Fund, a sub fund of the Water Quality Improvement Fund. Notwithstanding any other provision of law, the funds shall be distributed by the Department upon approval of the Virginia Soil and Water Conservation Board in accordance with the board's developed policies, as follows: \$24,570,000 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 \$10,530,000 shall be used for matching grants for Agricultural Best Management Practices on lands in the Commonwealth exclusively outside the Chesapeake Bay watershed, and an additional \$3,900,000 in addition to the base funding provided in A.1. shall be appropriated for Technical Assistance for Virginia Soil and Water Conservation Districts.

In addition to the authorities set out in the 2021 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.

- C. 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...

- 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 AgBMP Tracking Module, 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 AgBMP Tracking Module to serve as a ranking tool and provide some guidance for ranking applications that would implement different BMPs. This tool is designed to assist Districts with the ranking of their cost share practice applications. The CEF uses eleven different components, including soil loss data that is inputted by the District, 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 instances of the same BMPs as well as instances of other 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) or 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:
  - i. 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.
  - ii. Special WQIF and VNRCF deposits from the General Fund.
  - iii. Nongeneral fund appropriation to the Virginia Natural Resources Commitment Fund from the recordation tax fee.
  - iv. WQIF and Virginia Natural Resources Commitment Fund Interest.
  - v. The Reserve within the WQIF.  
(SEE **TABLE 1**)
- C. Allocate portions of the funding to the CB and to OCB.  
(SEE **TABLE 4**)
- D. Develop a cost-share spending plan that allocates appropriated funds to Program elements. (Determine uses of cost-share in CB and OCB Areas.)
  - i. Central Service Adjustments
  - ii. VACS – Virginia Agricultural Best Management Practices Cost-Share Program  
(SEE **TABLE 6**)
- E. Use the Agricultural Nonpoint Source Hydrologic Unit (HU) Ranking Process to determine cost-share allocations to Districts.  
(SEE **TABLES 7-9 and Attachments A-D**)

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

For FY22, \$30,850,000 in funding is being deposited to the Water Quality Improvement Fund in accordance with Item 373 of the 2021 Appropriation Act (See Part 2, Authority). Of this amount, distributions are directed as follows:

**TABLE 1: FY22 Appropriation Act Distributions for WQIF Surplus (Item 373 P.1., and P.2.)**

Water Quality Program	Program Distributions
WQIF (Total Deposit –Item P.1. and P.2.)	\$30,850,000
• Earmark for Commonwealth’s match to federal Conservation Reserve Enhancement Program (CREP)	\$500,000
• Earmark for the Virginia Conservation Assistance Program	\$1,000,000
• Earmark for special nonpoint source projects (poultry litter and RMPs)	\$1,000,000
• Earmark for the Small Farm Outreach Program (Virginia State University)	\$250,000



• Earmark for the Department of Forestry	\$250,000
• Earmark for the Department of Forestry (Virginia Trees for Clean Water program)	\$500,000
• Earmark for the Department of Environmental Quality (Clean Water Financing and Assistance Program)	\$1,000,000
• Earmark for the Department of Health	\$100,000
• Earmark for the Department for the development and continued maintenance for the Conservation Application Suite	\$250,000
• Transfers to the Virginia Natural Resources Commitment Fund	\$26,000,000
• Agricultural Best Management Practices Cost-Share Assistance	\$26,000,000

**TABLE 2: FY22 Appropriation Act Additional Distributions for Virginia Natural Resources Commitment Fund (Item 373 Q.)**

Additional deposit to the Virginia Natural Resources Commitment Fund (Item Q)	\$39,000,000
• Technical Assistance for Virginia Soil and Water Conservation Districts	\$3,900,000
• Agricultural Best Management Practices Cost-Share Assistance	\$35,100,000

For FY22, \$69,550,000 in general funds (Item 373 - see Part 2, Authority) is available for allocations to the Districts for cost-share and technical assistance.

**TABLE 3: FY22 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)	\$26,000,000	\$26,000,000	
Additional deposit	\$39,000,000	\$35,100,000	\$3,900,000
Recordation Fee*	\$9,000,000*	\$7,700,000	\$1,300,000
Technical Assistance Base Funding (Item 373 A.1.)			\$4,550,000
<b>TOTAL ALLOCATION (includes technical assistance funding provided in Item 373 A.1.)</b>	<b>\$78,550,000</b>	<b>\$68,800,000</b>	<b>\$9,750,000</b>

The 2021 Appropriation Act (Item 373 – see Part 2, Authority) provides for \$10,000,000 in Appropriation from the recordation tax fee.. Anticipated revenues of \$9,000,000 is anticipated for FY2022.

\*\* The 2021 Appropriation Act (Item 373 B.1. and B.2. – see Part 2, Authority) utilizes 13% for the formulation of Technical Assistance Amounts to be allocated from the Surplus Deposit.

The 2021 Appropriation Act specifies the distributions for both the WQIF Surplus Deposit, the additional deposit to the Virginia Natural Resources Commitment Fund (VNRCF), and the recordation revenues. Distributions within the CB and OCB shall be as follows:

**TABLE 4: FY22 Cost-share Allocations by Drainage Basin and Fund Source**

Funding Source	Total	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*
WQIF General Fund deposit	\$26,000,000	\$26,000,000	\$18,200,000	\$7,800,000
Additional VNRCF deposit	39,000,000	\$35,100,000	\$24,570,000	\$10,530,000
Recordation Fee	\$9,000,000	\$7,700,000	\$5,390,000	\$2,310,000
<b>TOTAL</b>	<b>\$74,000,000</b>	<b>\$68,800,000</b>	<b>\$48,160,000</b>	<b>\$20,640,000</b>

\* Amounts rounded to the nearest dollar.

**TABLE 5: Additional funds for Appropriation by Drainage Basin and Fund Source**

Funding Source	Total	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*
Additional FY2020 recordation revenue	\$2,659,952	\$2,659,952	\$1,861,966	\$797,986
Remaining FY2021 unallocated funds	\$2,348,187	\$2,348,670	\$2,348,187	
<b>TOTAL</b>	<b>\$5,008,139</b>	<b>\$5,008,139</b>	<b>\$4,210,153</b>	<b>\$797,986</b>

\*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 6: FY22 Cost-share Spending Plan by Drainage Basin and Fund Source**

Program Element	Cost-share Portion Allocated to Lands Exclusively or Partly Within the CB (General Funds)	Cost-share Portion Allocated to Lands Exclusively or Partly Within the CB (Recordation Fee –includes both FY20 and FY22)	Cost-share Portion Allocated to Lands Exclusively OCB (General Funds)	Cost-share Portion Allocated to Lands Exclusively OCB (Recordation Fee – includes both FY20 and FY22)	Totals
Total Available	\$45,118,187	\$7,251,966	\$18,330,000	\$3,107,986	\$73,808,139
Central Service Adjustments	\$26,023		\$11,152		\$37,175
VACS	\$45,092,164	\$7,251,966	\$18,318,848	\$3,107,986	\$73,770,964

\*Rounded to the nearest dollar.

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 funds are authorized to be carried forward to FY21, and no new earmark is being made. These funds may be utilized to contract for plan development and certification although the intent is for the emphasis to be placed on plan certification (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 373 of the 2021 Appropriation Act.

H. 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.

### **Central Service Adjustments (Allocation Step D2)**

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 FY22, charges for nongeneral funds are \$37,175 from 0900 funds. If a portion of these expenses need 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 or non-budgeted recordation fee tax deposits before reallocations are made.

### **VACS – Virginia Agricultural Best Management Practices Cost-Share Program Allocations (Allocation Step D3)**

After the other noted distributions have been met in the spending plan (SEE TABLE 6 there is \$77,911,495 available for distribution as VACS cost-share. (Table 6 outlines the drainage basin split and fund sources.) Specific allocations to Districts in FY22 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 BMP 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 prepared by both the Department and DEQ. Currently, the 2020 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 source pollutant load simulation model and data developed by the Department, DEQ, 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;
- USDA Cropland data;
- National Agricultural Statistics Service data;
- 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; and
- Slope.

Additional technical information regarding modeling processes are set out in Department documents titled: *2020 NPS Assessment and Prioritization Primer*

The computer model estimates and ranks the pollutant loads of nitrogen, phosphorus, and sediment in 1,240 of the 1,251 6<sup>th</sup> level hydrologic units in Version 5 of Virginia’s National Watershed Boundary Dataset (NWBD), each identified by a unique code (VAHU6). Those units not modeled are primarily water. Each of three per hectare agricultural pollutant loads are sorted Low to High and assigned their sort order for each Hydrologic Unit (HU). The rank score of a HU is the sum of these three values. For example:

Hydrologic Unit – (VAHU6)	Nitrogen Load Sort Order (NSEQ)	Phosphorous Load Sort Order (PSEQ)	Sediment Load Sort Order (SSEQ)	Sum (NSEQ + PSEQ + SSEQ)	Agricultural Pollutant Potential Rank
PS14	944	1133	1029	3106	High (H)
JU37	683	752	1139	2574	Medium (M)
NE28	486	193	214	893	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 FY22 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 FY22 (see **Attachment A**) the data breaks were as follows:

**TABLE 7: Agricultural Pollutant Potential Ranking**

Agricultural Pollutant Potential Rank	Number of HUs included	Percent of HUs included	Percent of Ag land	Sum Order Range
H	245	19.58	21.41	2635-3572
M	375	29.98	30.34	1778-2632
L	631	50.44	48.25	3-1776
Total	1251	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.

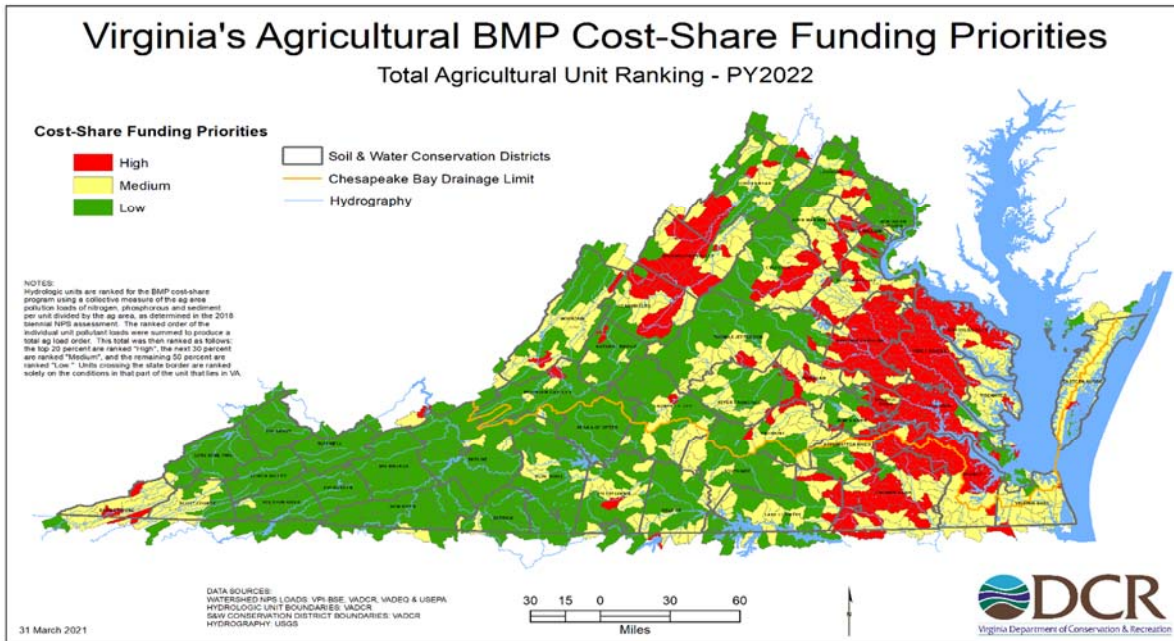
The next step is to compile the HU area (hectares or ha) designated as H, M, and L by county and the District geographic areas. Hydrologic unit boundaries are based upon naturally occurring drainage divides and do not often reflect county boundaries. As a result, any HU may be fully contained within 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 both. 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 (**FIGURE 1**) 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 FY22, 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 8: FY22 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 (General Fund)	Cost-share Portion Allocated to Lands Exclusively or Partly Within the CB (Recordation Fee includes both FY20 and FY22)	Cost-share Portion Allocated to Lands Exclusively OCB (General Fund)	Cost-share Portion Allocated to Lands Exclusively OCB (Recordation Fee includes both FY20 and FY22)	Totals
VACS (after spending plan distributions – see TABLE 6)	\$45,092,164	\$7,251,966	\$18,318,848	\$3,107,986	\$73,770,964
H (50%)	\$22,546,082	\$3,625,983	\$9,159,424	\$1,533,993	\$17,481,413
M (30%)	\$13,527,649	\$2,175,590	\$5,495,654	\$932,396	\$10,488,847
L (20%)	\$9,018,433	\$1,450,393	\$3,663,770	\$621,597	\$6,992,565

\*Rounded to the nearest dollar.

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 (General Funds and Recordation fee) as set out in **TABLE 8**. 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 FY22 District VACS cost-share allocations by drainage basin and under the cost-share total column, provides the cumulative cost-share allocations to each of the Districts.



**TABLE 9: FY22 District Cost-share Allocations by Drainage Basin**

SWCD	VACS CB Total	VACS OCB Total	FY22 Cost- Share Total (VACS)
APPOMATTOX RIVER	\$401,015	\$659,323	\$1,060,337
BIG SANDY	\$0	\$13,500	\$13,500
BIG WALKER	\$0	\$404,844	\$404,844
BLUE RIDGE	\$40,737	\$600,099	\$640,836
CHOWAN BASIN	\$0	\$5,000,000	\$5,000,000
CLINCH VALLEY	\$0	\$504,215	\$504,215
COLONIAL	\$1,356,033	\$0	\$1,356,033
CULPEPER	\$5,000,000	\$0	\$5,000,000
DANIEL BOONE	\$0	\$1,255,512	\$1,255,512
EASTERN SHORE	\$1,198,908	\$583,598	\$1,782,506
EVERGREEN	\$0	\$436,712	\$436,712
HALIFAX	\$0	\$741,733	\$741,733
HANOVER-CAROLINE	\$3,028,703	\$0	\$3,028,703
HEADWATERS	\$2,500,000	\$0	\$2,500,000
HENRICOPOLIS	\$610,442	\$0	\$610,442
HOLSTON RIVER	\$0	\$400,000	\$400,000
JAMES RIVER	\$416,125	\$621,731	\$1,037,856
JOHN MARSHALL	\$2,609,264	\$0	\$2,609,264
LAKE COUNTRY	\$0	\$1,337,263	\$1,337,263
LONESOME PINE	\$0	\$300,000	\$300,000
LORD FAIRFAX	\$4,845,126	\$0	\$4,845,126
LOUDOUN	\$1,874,349	\$0	\$1,874,349
MONACAN	\$1,380,333	\$0	\$1,380,333
MOUNTAIN	\$1,530,889	\$0	\$1,530,889
MOUNTAIN CASTLES	\$808,836	\$47,255	\$856,091
NATURAL BRIDGE	\$1,405,552	\$0	\$1,405,552
NEW RIVER	\$0	\$466,414	\$466,414
NORTHERN NECK	\$3,198,248	\$0	\$3,198,248
NORTHERN VIRGINIA	\$51,948	\$0	\$51,948
PATRICK	\$0	\$414,118	\$414,118
PEAKS OF OTTER	\$378,473	\$311,131	\$689,604
PEANUT	\$1,605,073	\$2,208,563	\$3,813,636
PETER FRANCISCO	\$1,492,074	\$0	\$1,492,074
PIEDMONT	\$1,910,534	\$61,880	\$1,972,414
PITTSYLVANIA	\$0	\$1,310,409	\$1,310,409

PRINCE WILLIAM	\$793,935	\$0	\$793,935
ROBERT E. LEE	\$1,338,379	\$532,611	\$1,870,989
SCOTT COUNTY	\$0	\$671,110	\$671,110
SHENANDOAH VALLEY	\$2,500,000	\$0	\$2,500,000
SKYLINE	\$2,101	\$670,769	\$672,870
SOUTHSIDE	\$754	\$815,195	\$815,948
TAZEWELL	\$0	\$436,672	\$436,672
THOMAS JEFFERSON	\$3,280,877	\$0	\$3,280,877
THREE RIVERS**	\$3,760,324	\$0	\$3,760,324
TIDEWATER	\$1,031,821	\$0	\$1,031,821
TRI-COUNTY/CITY	\$1,617,426	\$0	\$1,617,426
VIRGINIA DARE	\$375,854	\$622,178	\$998,032
<b>Grand Total</b>	<b>\$52,344,130</b>	<b>\$21,426,834</b>	<b>\$73,770,964</b>

\*Rounded to the nearest dollar.

\*\* Three Rivers Soil and Water Conservation District is authorized to use the District's FY2022 cost-share allocation to implement the Whole Farm Approach in accordance with the Program Year 2022 Virginia Agricultural Cost-Share (VACS) BMP Manual and the Whole Farm Approach standards and specifications as approved by the Virginia Soil and Water Conservation Board at their December 11, 2019 meeting.

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. A completed Transfer of Virginia Agricultural Best Management Practices Cost-Share Program (VACS) Allocated Cost-Share Funds Form 199-225 (Form) from the affected Districts will be required to document their approval of the recommended transaction. The completed Form regarding reallocations/transfers shall be routed to the Comptroller to update the Department's records. For amounts already distributed to Districts, funds shall be returned back to the Department, or deducted from the next quarterly FY22 disbursement(s) 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; however, cost-share funds may be voluntarily transferred between two Districts without a proportional amount of technical assistance funds if both the donor and recipient District Boards agree, by formally adopted motions, to such transfer. Such motions and all documentation required to execute the voluntary transfer of cost-share must be submitted to the Department prior to June 31, 2022. All transferred cost-share funds will be subject to the recipient District's ninety

percent (90%) obligation requirement for their total VACS allocation as set out in Section 9 – Reallocation of 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. Aside from transfers of funds approved under this Section, 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 2020 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 shall 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 the priority considerations listed below shall not receive funding:

1. Applications for cost-share funding that are located within a designated NPS impaired waters drainage area (identified as *Impairment Type* in the AgBMP Tracking Module mapping) shall be prioritized for funding of practices that reduce the identified impairment types (nutrient, bacteria, septic).
2. Applications for cost-share funding on fields that are at least 1/3 HEL (Highly Erodible Land) soils receive priority.
3. Applications for cost-share to implement BMPs that are within an approved Virginia Resource Management Plan management area will also receive priority consideration over similar BMPs outside of the management area. The AgBMP Tracking Module will automatically calculate a 10% reduction in the CEF score for these BMPs.

Exceptions to the priority considerations may be made for animal waste management practices and for actions taken to protect groundwater, gully erosion, or critical areas. The following list of practices are priorities and do not need to meet any other priority consideration in order to be eligible for cost-share funding:

- 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)
- Nutrient Management Plan Writing and Revisions (NM-1A)
- Sod Waterway (WP-3)
- Small Grain Cover Crop and Mixed Cover Crop for Nutrient Management and Residue Management (SL-8B)
- Stream Exclusion with Grazing Land Management (SL-6N or SL-6W)
- Grass Filter Strips (WQ-1)
- Sediment Retention, Erosion or Water Control Structure (WP-1)
- Precision Nutrient Management on Cropland – Nitrogen Application (NM-5N)
- Precision Nutrient Management on Cropland – Phosphorus Application (NM-5P)
- Woodland Buffer Filter Area (FR-3)
- Feeding Pad\* (WP-4FP)
- Animal Waste Control Facility for Confined Livestock Operations (WP-4LC)
- Loafing Lot Management System with Manure Management (Excluding Bovine Dairy) (WP-4LL)
- Seasonal Feeding Facility with Attached Manure Storage (WP-4SF)

\*WP-4C and WP-4FP may only be treated as priority practices if they are a part of a combined contract that also funds a SL-6N, SL-6W, or WP-4.

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 are utilized by Districts to prioritize applications that address locally identified water quality concerns. Secondary considerations should be narrative statements that are easily understood by any potential participant and 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 2022 Virginia Agricultural Cost Share (VACS) BMP Manual*.

Additionally, for Districts within the CB, Districts shall give priority to BMPs addressed within the Virginia Chesapeake Bay Watershed Implementation Plan; 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). BMPs within fields covered by a Resource Management Plan shall also receive priority.

Districts shall be prepared to verify and document that their cost-share allocations are being spent in accordance with the priority considerations, their approved secondary considerations, and in accordance with the *Program Year 2022 Virginia Agricultural Cost Share (VACS) BMP Manual*.

Each District shall, when comparing projects for cost-share funding, utilize the Conservation Efficiency Factor (CEF). A CEF is calculated by the AgBMP Tracking Module 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 instances of the same BMPs as well as instances of other BMPs (See **TABLE 10**). 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.

The relative weights of **TABLE 10** 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 10: CEF Ranking Components and Values**

<b>Ranking Component</b>	<b>Relative Weight</b>	<b>Value Range</b>	<b>Point or Credit Variable</b>	<b>Assigned Rank Points</b>
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 2022 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 2022 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 projected completed BMPs. Department personnel will generate a disbursement letter based upon the projected needs and AgBMP Tracking Module data showing obligations.

**8. Cost-share Funding Caps:**

For FY22, the VACS applicant cost-share limit or “cap” is \$150,000/applicant/year. This cap is automatically monitored for any applicant across Districts based upon data available from within the AgBMP Tracking Module.

- 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 AgBMP Tracking Module. 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 RMP-1 and RMP-2 practices.
- 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.
- A producer may be eligible to receive a variance from the cap for the following practices or combination of practices:
  - SL-6W;
  - WP-4;
  - WP-4B;
  - WP-4LC;
  - WP-4LL;
  - WP-4SF;
  - WP-4/WP-4C combination projects;
  - SL-6N/SL-6W combination projects;
  - SL-6N/WP-4FP combination projects;
  - SL-6N/WP-4SF combination projects;
  - SL-6W/WP-4FP combination projects; and
  - SL-6W/WP-4SF combination projects.
- However, if producer is approved for such a variance, he is not eligible for any additional cost-share funds for any other cost-share 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.

### **9. Reallocation of Cost-Share:**

Following the end of each fiscal year, the Board shall reallocate (redistribute) unobligated VACS allocations, including unobligated funds from prior fiscal years, and unobligated CREP or RCPP funds (keeping cost-share within the drainage basin it was originally allocated within) at its next scheduled meeting. These funds will be used for VACS programmatic priorities which may include funding for Chesapeake Bay Watershed Implementation Plan implementation or targeted agricultural BMPs. VACS funds that have not been approved by the District’s Board of Directors at the end of the fourth quarter of the fiscal year ( June 30, 2022) to fund an existing cost-share application are considered to be unobligated.

Data collected from the budget summary page of the Virginia AgBMP Tracking Module (Tracking Module) 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 “Obligated” amount by the “Allocation” amount. For those

Districts that did not obligate at least ninety percent (90%) of their Total VACS allocation by June 30, 2022, unobligated cost-share funds will be summed and all of a District’s unobligated VACS funds will be reallocated. 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 (TA Addition to the FY21 TA Base) shall proportionally be returned to the Department with the reallocated cost-share.

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.

**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. FY22 technical assistance fund allocations approved in the amount \$4,528,636 represents a base allocation for FY22 for technical assistance. Technical assistance funding provided in addition to the base \$4,528,636 will be distributed proportionally to the allocation of cost-share funding provided. Results for FY22 (Total Technical assistance allocations by District) are presented in **TABLE 11**. In future years, should technical assistance amounts available fall below the \$4,528,636 base level, total technical assistance to Districts would be proportionally reduced.

**TABLE 11: FY22 Technical Assistance Computations and District Allocations**

SWCD	FY22 Cost-Share Total (VACS)	Proportional Multiplier	FY22 TA Addition to the FY21 TA Base	FY21 TA Base	FY22 Total Technical Assistance Allocated
APPOMATTOX RIVER	\$1,060,337	0.014373372	\$75,049	\$43,200	\$118,249
BIG SANDY	\$13,500	0.000183003	\$956	\$35,000	\$35,956
BIG WALKER	\$404,844	0.005487849	\$28,654	\$35,000	\$63,654
BLUE RIDGE	\$640,836	0.008686826	\$45,357	\$50,705	\$96,062
CHOWAN BASIN	\$5,000,000	0.067777344	\$353,890	\$82,552	\$436,442
CLINCH VALLEY	\$504,215	0.006834872	\$35,687	\$91,258	\$126,945
COLONIAL	\$1,356,033	0.018381658	\$95,977	\$122,536	\$218,513
CULPEPER	\$5,000,000	0.067777344	\$353,890	\$406,018	\$759,908
DANIEL BOONE	\$1,255,512	0.017019058	\$88,863	\$117,869	\$206,731
EASTERN SHORE	\$1,782,506	0.024162708	\$126,162	\$82,308	\$208,470
EVERGREEN	\$436,712	0.005919834	\$30,910	\$79,624	\$110,534
HALIFAX	\$741,733	0.010054543	\$52,498	\$86,131	\$138,630
HANOVER-CAROLINE	\$3,028,703	0.041055488	\$214,366	\$126,206	\$340,571
HEADWATERS	\$2,500,000	0.033888672	\$176,945	\$206,513	\$383,458



HENRICOPOLIS	\$610,442	0.008274827	\$43,206	\$54,938	\$98,143
HOLSTON RIVER	\$400,000	0.005422187	\$28,311	\$128,066	\$156,378
JAMES RIVER	\$1,037,856	0.014068628	\$73,457	\$35,000	\$108,457
JOHN MARSHALL	\$2,609,264	0.035369793	\$184,679	\$182,000	\$366,679
LAKE COUNTRY	\$1,337,263	0.018127221	\$94,649	\$60,725	\$155,374
LONESOME PINE	\$300,000	0.004066641	\$21,233	\$63,000	\$84,233
LORD FAIRFAX	\$4,845,126	0.065677949	\$342,928	\$164,808	\$507,736
LOUDOUN	\$1,874,349	0.025407679	\$132,663	\$160,000	\$292,663
MONACAN	\$1,380,333	0.018711058	\$97,697	\$110,400	\$208,097
MOUNTAIN	\$1,530,889	0.020751917	\$108,353	\$44,000	\$152,353
MOUNTAIN CASTLES	\$856,091	0.011604720	\$60,592	\$36,800	\$97,392
NATURAL BRIDGE	\$1,405,552	0.019052912	\$99,482	\$92,738	\$192,220
NEW RIVER	\$466,414	0.006322462	\$33,012	\$61,081	\$94,093
NORTHERN NECK	\$3,198,248	0.043353748	\$226,366	\$118,400	\$344,766
NORTHERN VIRGINIA	\$51,948	0.000704179	\$3,677	\$35,000	\$38,677
PATRICK	\$414,118	0.005613569	\$29,310	\$44,146	\$73,456
PEAKS OF OTTER	\$689,604	0.009347901	\$48,809	\$38,400	\$87,209
PEANUT	\$3,813,636	0.051695623	\$269,922	\$127,680	\$397,602
PETER FRANCISCO	\$1,492,074	0.020225756	\$105,606	\$69,816	\$175,422
PIEDMONT	\$1,972,414	0.026736999	\$139,604	\$73,200	\$212,804
PITTSYLVANIA	\$1,310,409	0.017763205	\$92,748	\$35,000	\$127,748
PRINCE WILLIAM	\$793,935	0.010762155	\$56,193	\$44,096	\$100,289
ROBERT E. LEE	\$1,870,989	0.025362134	\$132,425	\$96,800	\$229,225
SCOTT COUNTY	\$671,110	0.009097212	\$47,500	\$90,000	\$137,500
SHENANDOAH VALLEY	\$2,500,000	0.033888672	\$176,945	\$251,053	\$427,998
SKYLINE	\$672,870	0.009121067	\$47,624	\$148,800	\$196,424
SOUTHSIDE	\$815,948	0.011060560	\$57,751	\$35,000	\$92,751
TAZEWELL	\$436,672	0.005919292	\$30,907	\$51,520	\$82,427
THOMAS JEFFERSON	\$3,280,877	0.044473830	\$232,214	\$169,674	\$401,888
THREE RIVERS	\$3,760,324	0.050972961	\$266,148	\$98,524	\$364,672
TIDEWATER	\$1,031,821	0.013986811	\$73,030	\$67,840	\$140,870
TRI-COUNTY/CITY	\$1,617,426	0.021924970	\$114,478	\$127,400	\$241,878
VIRGINIA DARE	\$998,032	0.013528792	\$70,639	\$47,814	\$118,453
Grand Total	\$73,770,964	1.000000000	\$5,221,364	\$4,528,636	\$9,750,000

\*Rounded to the nearest dollar.

FY22 Technical Assistance allocations (See **TABLE 11**) shall be disbursed to Districts over FY22 in accordance with the following procedures. During the first quarter of FY22, after the Fourth Quarter FY21 reports have been submitted (including the District's End of Year Cash Balance Report, and Carry Over Report) 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 disbursed, with an additional twenty-five percent disbursed in each of the second, third, and fourth quarters provided updates to the AgBMP Tracking Module are being entered monthly to the satisfaction of the Department. 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 FY22 funding be transferred between Districts or reallocated, technical assistance funds noted in the column "FY22 TA Addition to the FY21 TA Base" 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. Unexpected State Funds Maintained by Districts:**

Following the submission of the District's End of Year Cash Balance Report, all unobligated funds will be returned to the Department for reallocation in accordance with Section 9. Public funds from local, state, and federal sources are provided to Districts not for savings, but for performance of conservation and other required deliverables. It is inadvisable for any District to accumulate more than six months of Technical Assistance funds. 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 FY22, 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 Department of Conservation and Recreation's website at <http://www.dcr.virginia.gov/laws-and-regulations/lr8b>.

**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 2021) adopted June 3, 2020 and will remain in effect until rescinded or superseded.

**Attachment A**

**Computer Model Estimates and Ranks Based on the 2020 305(b) Report Data of the Agricultural Pollutant Loads of Nitrogen (N), Phosphorus (P), and Sediment (S) in Each of the 1,240 6<sup>th</sup> Level Hydrologic Units (HU)**

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

2020 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load			Sum Order	Agricultural Pollutant Potential Rank	Row #
	VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ			
CU56	57.0906	3.2177	1.3446	1197	1206	1169	3572	HIGH	1
CU60	54.6423	2.0039	1.3303	1190	1186	1166	3542	HIGH	2
CU57	53.9809	1.9825	1.1573	1184	1182	1126	3492	HIGH	3
CU58	47.1117	1.7212	1.4546	1165	1144	1178	3487	HIGH	4
CU38	47.9341	1.7514	1.2791	1168	1152	1156	3476	HIGH	5
YO52	44.5057	1.6763	1.4145	1155	1134	1174	3463	HIGH	6
YO54	48.5793	1.7113	1.2560	1170	1141	1149	3460	HIGH	7
JL37	44.1580	1.7385	1.2741	1153	1150	1155	3458	HIGH	8
CU59	51.7938	1.9896	1.0337	1179	1184	1086	3449	HIGH	9
PL69	34.7177	1.8395	2.8560	1061	1164	1215	3440	HIGH	10
PL49	41.8118	1.5037	2.5720	1132	1087	1213	3432	HIGH	11
CU55	50.0166	1.8039	1.0555	1174	1158	1097	3429	HIGH	12
YO51	40.1678	1.5643	1.6355	1121	1102	1195	3418	HIGH	13
PS23	29.7067	1.9862	2.3056	1012	1183	1211	3406	HIGH	14
YO50	42.5954	1.6407	1.1926	1140	1123	1133	3396	HIGH	15
YO53	39.0687	1.5290	1.8671	1100	1093	1202	3395	HIGH	16
JL29	54.0861	1.8737	0.9249	1186	1168	1019	3373	HIGH	17
RA53	39.2499	1.4286	1.9376	1101	1060	1204	3365	HIGH	18
PS20	28.9382	1.8691	1.5694	1005	1167	1191	3363	HIGH	19

2020 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			
VAHU6									
JL35	38.6208	1.4983	1.4547	1094	1085	1179	3358	HIGH	20
YO48	37.8011	1.4884	1.5176	1087	1080	1186	3353	HIGH	21
CM26	39.9039	1.6494	1.0771	1118	1124	1110	3352	HIGH	22
JL36	50.2267	1.8909	0.9039	1176	1171	1003	3350	HIGH	23
AS03	64.4575	2.4437	0.8422	1202	1202	944	3348	HIGH	24
PL67	30.9765	1.6798	1.4541	1020	1135	1177	3332	HIGH	25
JL15	37.9151	1.3702	1.5275	1091	1048	1187	3326	HIGH	26
CU31	46.7326	2.1502	0.8558	1163	1194	967	3324	HIGH	27
YO59	37.8435	1.3849	1.4854	1089	1050	1184	3323	HIGH	28
PL66	30.3576	1.6154	1.4858	1017	1118	1185	3320	HIGH	29
PS16	27.0733	1.7653	1.4549	987	1153	1180	3320	HIGH	30
PS19	25.3926	1.6632	1.9626	974	1128	1207	3309	HIGH	31
JL10	43.1923	1.4969	1.0168	1145	1084	1077	3306	HIGH	32
CU44	55.9192	2.3749	0.8075	1194	1200	908	3302	HIGH	33
PS32	28.1790	1.9479	1.1366	996	1175	1119	3290	HIGH	34
CU34	44.0795	1.5828	0.9369	1151	1106	1028	3285	HIGH	35
PS22	24.1037	1.5994	1.9406	965	1111	1205	3281	HIGH	36
YO61	41.5892	1.4706	1.0026	1131	1072	1070	3273	HIGH	37
PS15	25.6248	1.5407	1.8510	976	1095	1200	3271	HIGH	38
JL05	36.6336	1.3881	1.2203	1076	1051	1141	3268	HIGH	39
JL32	36.9189	1.3976	1.2068	1078	1053	1136	3267	HIGH	40
CB07	39.8302	1.5811	0.9459	1117	1105	1032	3254	HIGH	41
RA54	38.7744	1.4039	1.0689	1096	1054	1104	3254	HIGH	42
JL03	37.5567	1.4132	1.0632	1086	1057	1102	3245	HIGH	43
YO37	36.5980	1.3119	1.2386	1074	1024	1146	3244	HIGH	44

2020 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			
CU41	36.3942	1.3912	1.0926	1072	1052	1113	3237	HIGH	45
AO23	37.3090	1.4619	1.0291	1082	1070	1082	3234	HIGH	46
JL39	39.6577	1.5895	0.9138	1111	1107	1010	3228	HIGH	47
JL25	34.6787	1.2763	1.2707	1057	1015	1153	3225	HIGH	48
JL27	32.5722	1.2085	1.6978	1033	992	1198	3223	HIGH	49
JL41	41.9926	1.6749	0.8507	1134	1132	956	3222	HIGH	50
RA59	35.9737	1.2567	1.2148	1068	1004	1140	3212	HIGH	51
YO55	40.0262	1.4043	0.9487	1120	1055	1036	3211	HIGH	52
JA36	31.4550	1.2143	1.5479	1025	995	1189	3209	HIGH	53
PL73	31.6193	1.5487	1.0248	1026	1099	1080	3205	HIGH	54
JL43	56.4708	2.0791	0.6949	1195	1189	819	3203	HIGH	55
CM19	33.2427	1.2694	1.2461	1042	1011	1147	3200	HIGH	56
CU37	36.1146	1.3489	1.0402	1071	1035	1091	3197	HIGH	57
YO49	32.6889	1.2987	1.2096	1037	1022	1137	3196	HIGH	58
JL24	33.2638	1.3187	1.1574	1043	1025	1127	3195	HIGH	59
PL53	29.9240	1.1491	2.5326	1014	969	1212	3195	HIGH	60
CM20	49.5478	1.8099	0.7333	1173	1160	843	3176	HIGH	61
JL30	35.0550	1.3025	1.0361	1063	1023	1088	3174	HIGH	62
PS25	21.8098	1.4369	1.3144	945	1063	1161	3169	HIGH	63
PL18	40.9909	1.6107	0.8274	1124	1114	930	3168	HIGH	64
PS26	23.4794	1.3687	1.3216	957	1047	1164	3168	HIGH	65
YO63	39.2732	1.3494	0.9332	1102	1036	1027	3165	HIGH	66
JL31	39.5804	1.4486	0.8780	1110	1068	983	3161	HIGH	67
YO35	34.7153	1.1392	1.1815	1059	965	1131	3155	HIGH	68
JL26	28.4902	1.0907	1.8569	1000	953	1201	3154	HIGH	69

2020 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			
VAHU6									
JL01	32.6233	1.2493	1.0799	1036	1000	1112	3148	HIGH	70
RA57	32.0317	1.1859	1.1695	1030	986	1128	3144	HIGH	71
PL17	33.2641	1.3558	0.9844	1044	1038	1060	3142	HIGH	72
RA43	25.9309	1.1533	1.5520	979	973	1190	3142	HIGH	73
RA39	35.5309	1.5092	0.8695	1065	1089	980	3134	HIGH	74
YO57	37.5540	1.3397	0.9243	1085	1032	1017	3134	HIGH	75
PS11	22.2830	1.4066	1.1705	947	1056	1129	3132	HIGH	76
YO36	39.9374	1.4173	0.8471	1119	1058	954	3131	HIGH	77
YO62	28.1551	1.0432	1.6442	995	937	1196	3128	HIGH	78
RA55	35.4761	1.2913	0.9600	1064	1019	1044	3127	HIGH	79
JU40	23.9551	1.0694	3.7812	964	945	1216	3125	HIGH	80
PS05	18.7421	1.4664	1.1773	920	1071	1130	3121	HIGH	81
CM18	29.2605	1.1276	1.2710	1008	958	1154	3120	HIGH	82
JL22	31.9725	1.1568	1.0733	1029	976	1107	3112	HIGH	83
PL72	28.4446	1.4329	0.9654	998	1061	1053	3112	HIGH	84
PS56	19.5297	1.3669	1.2268	926	1044	1142	3112	HIGH	85
YO29	43.2315	1.5535	0.7530	1146	1100	863	3109	HIGH	86
JL14	36.9890	1.3597	0.8916	1079	1040	989	3108	HIGH	87
YO58	34.5829	1.2696	0.9577	1055	1012	1041	3108	HIGH	88
PS14	21.7059	1.6750	0.9424	944	1133	1029	3106	HIGH	89
PS33	18.5534	1.3565	1.2692	916	1039	1151	3106	HIGH	90
PS21	20.6843	1.2514	1.3369	937	1001	1167	3105	HIGH	91
PL71	31.2622	1.6152	0.8535	1022	1117	961	3100	HIGH	92
PL38	33.0502	1.3342	0.9430	1038	1029	1031	3098	HIGH	93
CU45	43.7368	2.4166	0.6539	1150	1201	744	3095	HIGH	94

2020 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			
VAHU6									
RA60	36.0444	1.2548	0.9280	1070	1002	1023	3095	HIGH	95
RD68	23.8256	1.0899	1.4740	961	952	1181	3094	HIGH	96
YO56	34.5774	1.2678	0.9429	1054	1009	1030	3093	HIGH	97
CU18	39.5354	1.4846	0.8047	1108	1078	906	3092	HIGH	98
YO46	28.1382	1.1528	1.1517	994	972	1123	3089	HIGH	99
CM24	39.5630	1.4898	0.7949	1109	1082	897	3088	HIGH	100
PS03	18.6902	1.5419	1.0073	918	1096	1073	3087	HIGH	101
JL23	31.4244	1.1748	1.0096	1024	982	1075	3081	HIGH	102
JL33	39.3057	1.5097	0.7847	1103	1090	888	3081	HIGH	103
JL46	41.2024	1.6942	0.6855	1128	1139	807	3074	HIGH	104
CB08	42.1367	1.5595	0.7238	1136	1101	836	3073	HIGH	105
CU15	24.2390	1.1222	1.2047	967	957	1135	3059	HIGH	106
JL40	39.6867	1.6141	0.7042	1115	1115	829	3059	HIGH	107
CU43	36.0371	1.2758	0.8647	1069	1014	975	3058	HIGH	108
CU39	45.3626	1.6544	0.6650	1158	1125	774	3057	HIGH	109
JL06	37.8977	1.3360	0.8365	1090	1030	937	3057	HIGH	110
YO60	35.0228	1.2628	0.8812	1062	1007	984	3053	HIGH	111
YO26	34.1761	1.3364	0.8572	1053	1031	968	3052	HIGH	112
PS59	17.5152	1.2010	1.2693	898	990	1152	3040	HIGH	113
JL09	39.0400	1.3408	0.8053	1098	1033	907	3038	HIGH	114
RA20	29.2314	1.0719	1.0226	1007	947	1079	3033	HIGH	115
PS58	18.2874	1.1801	1.2118	911	983	1138	3032	HIGH	116
RA38	27.4293	1.3191	0.9192	991	1026	1014	3031	HIGH	117
PL68	28.8586	1.5470	0.8224	1003	1098	927	3028	HIGH	118
YO32	33.1232	1.1566	0.9168	1040	975	1012	3027	HIGH	119



2020 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			
VAHU6									
YO47	34.7078	1.3839	0.8182	1058	1049	920	3027	HIGH	120
CU52	29.8359	1.1343	0.9637	1013	960	1050	3023	HIGH	121
CU35	41.8669	1.5012	0.6840	1133	1086	803	3022	HIGH	122
RA21	29.4258	1.3687	0.8523	1010	1046	958	3014	HIGH	123
CU61	47.3479	1.8388	0.6088	1166	1163	682	3011	HIGH	124
CU33	50.7175	1.8626	0.5974	1177	1165	668	3010	HIGH	125
RA40	25.1559	1.1915	0.9592	971	988	1042	3001	HIGH	126
RA56	36.4479	1.3426	0.7933	1073	1034	894	3001	HIGH	127
YO30	24.9482	1.1535	0.9728	969	974	1055	2998	HIGH	128
JL04	30.9577	1.1596	0.9015	1019	977	1000	2996	HIGH	129
YO11	23.2203	1.1394	0.9951	953	966	1064	2983	HIGH	130
JM50	18.8248	0.9569	1.2549	923	911	1148	2982	HIGH	131
YO20	19.8221	0.8760	1.4186	929	877	1175	2981	HIGH	132
PL34	29.3277	1.2678	0.8534	1009	1010	960	2979	HIGH	133
JL11	22.6618	0.8163	1.4812	949	847	1182	2978	HIGH	134
PS87	24.1727	0.9712	1.0377	966	918	1090	2974	HIGH	135
JL20	26.6078	0.9924	0.9760	986	925	1058	2969	HIGH	136
PS10	16.9456	1.1022	1.1572	889	955	1125	2969	HIGH	137
PS55	14.7357	1.1363	1.2335	843	963	1145	2951	HIGH	138
CU42	36.6038	1.3226	0.7354	1075	1028	846	2949	HIGH	139
PL33	27.2833	1.1467	0.8880	990	968	988	2946	HIGH	140
YO42	22.7962	0.9547	1.0262	951	909	1081	2941	HIGH	141
JM62	18.1794	0.7779	1.9749	908	820	1208	2936	HIGH	142
CU48	42.1966	1.5446	0.6197	1137	1097	701	2935	HIGH	143
PS57	16.9884	1.1346	1.0310	890	961	1084	2935	HIGH	144

2020 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			
VAHU6									
YO10	20.5849	1.0044	1.0056	935	928	1072	2935	HIGH	145
JL42	39.6821	1.6263	0.6150	1113	1121	695	2929	HIGH	146
YO28	25.3412	1.0035	0.9209	973	927	1016	2916	HIGH	147
CU40	37.9597	1.3680	0.6645	1092	1045	773	2910	HIGH	148
JL34	23.7682	0.9471	0.9479	960	907	1034	2901	HIGH	149
CU50	54.1483	1.9913	0.5208	1187	1185	528	2900	HIGH	150
YO27	33.1954	1.2591	0.7411	1041	1005	849	2895	HIGH	151
RA36	20.5343	0.8499	1.0363	934	867	1089	2890	HIGH	152
CM25	28.8899	1.2129	0.7847	1004	994	889	2887	HIGH	153
JA45	25.9256	1.0286	0.8653	978	932	976	2886	HIGH	154
JM15	14.8567	0.8074	1.6186	849	841	1194	2884	HIGH	155
CU47	39.3816	1.4406	0.6281	1104	1064	714	2882	HIGH	156
RA58	31.6525	1.1512	0.7802	1027	971	884	2882	HIGH	157
PS12	13.7461	1.0425	1.1541	810	936	1124	2870	HIGH	158
YO22	18.1619	0.8400	1.0675	907	859	1103	2869	HIGH	159
PU17	16.7299	0.7433	1.4525	886	804	1176	2866	HIGH	160
PS66	13.5559	0.8254	2.1640	804	851	1210	2865	HIGH	161
YO25	21.2052	0.9284	0.9306	940	898	1026	2864	HIGH	162
YO33	23.4600	0.8819	0.9280	956	882	1024	2862	HIGH	163
JL28	27.2268	1.0491	0.8292	989	941	931	2861	HIGH	164
CB24	44.1049	1.6000	0.5545	1152	1112	596	2860	HIGH	165
JL12	22.2936	0.8649	0.9495	948	874	1037	2859	HIGH	166
AS06	93.6074	3.3935	0.4776	1213	1209	433	2855	HIGH	167
CB06	43.6594	1.6197	0.5466	1149	1120	582	2851	HIGH	168
RA62	42.0608	1.4879	0.5791	1135	1079	637	2851	HIGH	169

2020 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			
VAHU6									
CB09	33.7636	1.2609	0.6769	1050	1006	791	2847	HIGH	170
PS34	18.7433	1.4486	0.7486	921	1067	858	2846	HIGH	171
RA29	18.0183	0.8622	0.9990	905	872	1067	2844	HIGH	172
PL70	39.0573	2.0895	0.5324	1099	1190	548	2837	HIGH	173
PS54	18.7483	1.7307	0.6608	922	1148	765	2835	HIGH	174
PS64	17.4732	1.1840	0.8468	896	985	953	2834	HIGH	175
CU25	19.5176	0.7889	1.0009	925	830	1069	2824	HIGH	176
RA65	30.9914	1.1735	0.6966	1021	981	821	2823	HIGH	177
JA13	16.4944	0.8888	0.9691	884	884	1054	2822	HIGH	178
YO09	18.6695	0.9094	0.9109	917	892	1007	2816	HIGH	179
PL16	18.1540	0.7533	1.0588	906	809	1098	2813	HIGH	180
RA18	29.1215	1.1685	0.7035	1006	979	828	2813	HIGH	181
JA40	31.9514	1.2040	0.6772	1028	991	792	2811	HIGH	182
JU50	13.8407	0.7329	1.7039	812	794	1199	2805	HIGH	183
PS09	16.9088	1.1493	0.8418	888	970	942	2800	HIGH	184
RA46	24.3379	0.9577	0.8173	968	913	917	2798	HIGH	185
JU26	17.9665	1.7257	0.6553	904	1146	746	2796	HIGH	186
NE85	15.5110	0.6638	2.6590	861	718	1214	2793	HIGH	187
RA51	33.0735	1.2548	0.6562	1039	1003	750	2792	HIGH	188
CM21	56.7726	2.0533	0.4566	1196	1188	396	2780	HIGH	189
PS39	13.2448	1.1717	0.9137	791	980	1009	2780	HIGH	190
RD54	15.4413	0.9390	0.9207	859	902	1015	2776	HIGH	191
JL19	28.4362	1.0919	0.6995	997	954	823	2774	HIGH	192
AO15	62.1209	2.1931	0.4411	1201	1196	370	2767	HIGH	193
CU53	22.6669	0.8627	0.8331	950	873	934	2757	HIGH	194

2020 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			
VAHU6									
PS67	17.0977	1.0770	0.8138	891	948	915	2754	HIGH	195
CM28	41.1682	1.7249	0.4977	1127	1145	479	2751	HIGH	196
RA23	20.1971	0.9728	0.7949	932	919	898	2749	HIGH	197
PS61	14.6255	0.9438	0.9034	838	904	1002	2744	HIGH	198
JL49	55.4092	2.1231	0.4351	1192	1191	360	2743	HIGH	199
CU54	23.8459	0.8892	0.7925	962	885	893	2740	HIGH	200
JA17	13.4748	0.7953	1.0589	800	835	1099	2734	HIGH	201
CB17	38.8188	1.3601	0.5544	1097	1041	595	2733	HIGH	202
JU21	15.3403	0.6637	1.2982	856	717	1159	2732	HIGH	203
RA61	34.7168	1.2274	0.6009	1060	998	674	2732	HIGH	204
PS62	17.4745	1.4433	0.6615	897	1065	766	2728	HIGH	205
RA27	15.6120	0.8356	0.9014	864	858	999	2721	HIGH	206
RA30	16.2940	0.6813	1.0736	877	736	1108	2721	HIGH	207
PL59	21.6686	0.9254	0.7728	943	896	880	2719	HIGH	208
JL16	23.7259	1.0368	0.7001	959	935	824	2718	HIGH	209
PL41	14.5755	0.6681	1.2801	834	724	1157	2715	HIGH	210
PS74	12.8887	0.8432	1.0081	779	862	1074	2715	HIGH	211
CU49	39.4749	1.4462	0.5295	1106	1066	542	2714	HIGH	212
JM72	14.2657	0.6508	1.5355	827	698	1188	2713	HIGH	213
JL13	18.2096	0.6562	1.0523	909	707	1094	2710	HIGH	214
PS63	15.6842	1.3637	0.6810	868	1042	797	2707	HIGH	215
JM49	13.6079	0.7786	1.0162	805	821	1076	2702	HIGH	216
PS28	17.2368	1.1359	0.7361	893	962	847	2702	HIGH	217
PS68	15.9384	1.0446	0.7830	875	938	886	2699	HIGH	218
YO18	16.6929	0.7978	0.8636	885	839	973	2697	HIGH	219

2020 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			
VAHU6									
PL65	21.8451	0.8982	0.7493	946	889	860	2695	HIGH	220
JM74	14.5880	0.6733	1.1903	835	727	1132	2694	HIGH	221
RA49	25.4767	1.0323	0.6721	975	934	785	2694	HIGH	222
JA21	15.8374	0.7975	0.8745	872	838	981	2691	HIGH	223
YO31	42.7243	1.6066	0.4809	1141	1113	437	2691	HIGH	224
RA50	37.8375	1.4915	0.5102	1088	1083	510	2681	HIGH	225
PL39	25.9540	1.0515	0.6586	981	942	757	2680	HIGH	226
RA37	17.7458	0.8166	0.8229	901	848	928	2677	HIGH	227
PS24	13.4815	1.0885	0.8191	801	950	921	2672	HIGH	228
JM78	14.1055	0.6738	1.1264	820	729	1117	2666	HIGH	229
CU12	20.0744	0.9666	0.6946	931	915	818	2664	HIGH	230
JU68	12.7389	0.8526	0.9278	770	869	1022	2661	HIGH	231
TP08	11.1242	0.7336	1.4838	682	796	1183	2661	HIGH	232
JL47	41.1064	1.6648	0.4601	1125	1129	405	2659	HIGH	233
CU63	42.5750	1.6677	0.4512	1138	1130	388	2656	HIGH	234
CM23	21.0176	0.8194	0.7576	938	849	868	2655	HIGH	235
TP13	17.2150	0.7264	0.8626	892	790	971	2653	HIGH	236
TC34	11.1749	0.7067	1.5870	687	772	1192	2651	HIGH	237
CU28	17.4283	0.6890	0.9087	895	749	1006	2650	HIGH	238
JL07	18.2941	0.6876	0.8989	912	743	995	2650	HIGH	239
YO06	14.2444	0.7213	0.9487	826	789	1035	2650	HIGH	240
PS27	12.6303	0.9130	0.8981	761	894	994	2649	HIGH	241
PS08	13.1564	0.8950	0.8589	788	888	969	2645	HIGH	242
CB02	25.9484	0.9784	0.6491	980	920	740	2640	HIGH	243
JL17	26.2588	1.1126	0.6152	982	956	697	2635	HIGH	244

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	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
PS51	20.6646	1.9670	0.5166	936	1179	520	2635	HIGH	245
RU75	15.4293	0.7396	0.8626	858	802	972	2632	MED	246
CU64	38.7515	1.5991	0.4734	1095	1110	425	2630	MED	247
CU32	49.2403	1.8053	0.4025	1171	1159	298	2628	MED	248
TP09	11.4124	0.6946	1.3540	703	754	1171	2628	MED	249
CU24	17.9628	0.6977	0.8547	903	758	965	2626	MED	250
JL55	41.1166	2.1893	0.4032	1126	1195	300	2621	MED	251
PL37	23.8871	1.0574	0.6259	963	943	711	2617	MED	252
PL36	21.5209	0.9635	0.6588	942	914	760	2616	MED	253
CU17	31.4175	1.1947	0.5582	1023	989	603	2615	MED	254
JU13	12.4896	0.7042	1.0402	747	768	1092	2607	MED	255
JL08	15.6622	0.6531	0.9505	867	700	1038	2605	MED	256
JM75	12.6064	0.6346	1.3370	756	678	1168	2602	MED	257
PL60	13.8836	0.6238	1.1436	814	665	1121	2600	MED	258
RU93	12.9635	0.6097	1.3577	782	646	1172	2600	MED	259
CU14	18.5367	0.8673	0.6858	914	875	809	2598	MED	260
JM83	15.0352	0.6885	0.9008	852	746	997	2595	MED	261
RL12	14.1598	0.6811	0.9557	822	734	1039	2595	MED	262
JA27	15.1668	0.7373	0.8366	853	801	938	2592	MED	263
PS75	14.6184	0.7819	0.8254	837	824	929	2590	MED	264
RA63	29.9294	1.0824	0.5659	1015	949	621	2585	MED	265
YO13	12.7481	0.7736	0.8947	772	818	992	2582	MED	266
PS31	15.7179	1.2089	0.6343	869	993	719	2581	MED	267
RD70	14.7123	0.6916	0.8853	841	751	986	2578	MED	268
PS53	17.6391	1.6605	0.5339	900	1127	550	2577	MED	269

2020 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			
CB11	26.3164	0.9830	0.5982	984	922	670	2576	MED	270
JU37	11.1303	0.6928	1.2123	683	752	1139	2574	MED	271
PS35	15.4676	1.1650	0.6484	860	978	736	2574	MED	272
TC35	10.3385	0.6890	2.0932	616	748	1209	2573	MED	273
JM39	12.1634	0.5993	1.9439	738	627	1206	2571	MED	274
CM27	42.5929	1.7414	0.3858	1139	1151	274	2564	MED	275
PS65	14.8369	1.2945	0.6147	847	1021	694	2562	MED	276
PS04	12.5333	0.8523	0.8379	752	868	939	2559	MED	277
CU46	40.6633	1.4836	0.4308	1122	1077	353	2552	MED	278
AS05	58.6132	2.2087	0.3079	1199	1197	151	2547	MED	279
RA48	15.6125	0.6645	0.8545	865	719	963	2547	MED	280
CU62	40.8777	1.5709	0.4143	1123	1104	319	2546	MED	281
PS37	12.6830	1.0469	0.7281	767	939	839	2545	MED	282
AO13	71.2334	2.5797	0.2971	1205	1203	135	2543	MED	283
AS12	84.1953	3.3834	0.2859	1210	1207	118	2535	MED	284
CL05	54.0307	2.3048	0.3101	1185	1198	152	2535	MED	285
CL04	47.9730	1.9383	0.3324	1169	1173	190	2532	MED	286
PL15	14.8519	0.7890	0.7435	848	831	852	2531	MED	287
JA42	19.8188	0.8078	0.6577	928	842	755	2525	MED	288
CB04	35.5815	1.2263	0.4885	1066	997	457	2520	MED	289
CM32	39.7673	1.6168	0.3938	1116	1119	285	2520	MED	290
CU09	14.4483	0.7079	0.8092	832	774	910	2516	MED	291
CB25	43.4134	1.7135	0.3556	1147	1143	224	2514	MED	292
CL03	41.2258	1.7307	0.3650	1129	1147	238	2514	MED	293
YO12	14.4472	0.8450	0.6953	830	864	820	2514	MED	294

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	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
VAHU6									
JR21	12.0664	0.7208	0.8959	731	785	993	2509	MED	295
JR16	11.5957	0.6446	1.0722	713	689	1106	2508	MED	296
AO21	55.6118	1.9541	0.2989	1193	1177	137	2507	MED	297
CB26	37.4414	1.5226	0.4203	1083	1091	332	2506	MED	298
JL48	47.8824	1.9646	0.3167	1167	1178	161	2506	MED	299
PU06	10.0034	0.8498	0.9631	585	866	1048	2499	MED	300
AS04	76.7714	2.8565	0.2598	1207	1204	87	2498	MED	301
RA19	16.4686	0.8308	0.6587	883	855	758	2496	MED	302
JA23	15.5484	0.7360	0.7098	863	799	832	2494	MED	303
PU20	14.4475	0.5819	0.9963	831	597	1065	2493	MED	304
RU79	14.1737	0.6948	0.8098	824	755	912	2491	MED	305
AS02	55.1531	2.1485	0.2741	1191	1193	103	2487	MED	306
JM20	12.2548	0.7025	0.8684	740	767	979	2486	MED	307
JA25	13.9988	0.7156	0.7832	819	779	887	2485	MED	308
JL44	46.2195	1.7730	0.3219	1161	1155	169	2485	MED	309
RD73	11.9675	0.6883	0.9144	727	745	1011	2483	MED	310
RU84	13.3676	0.6568	0.8682	796	708	978	2482	MED	311
CM31	33.3510	1.2938	0.4642	1045	1020	412	2477	MED	312
AS15	85.8286	3.5171	0.2196	1211	1211	54	2476	MED	313
JM65	14.7700	0.9449	0.6375	845	906	724	2475	MED	314
RU36	12.3404	0.8417	0.7606	742	860	870	2472	MED	315
JM44	15.7864	0.7499	0.6755	870	808	789	2467	MED	316
AS08	109.2736	4.3262	0.1897	1216	1215	33	2464	MED	317
JL51	74.1706	2.9209	0.2195	1206	1205	53	2464	MED	318
JM84	18.3618	0.8143	0.6235	913	845	705	2463	MED	319



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VAHU6									
PU11	12.6274	0.7891	0.7614	759	832	871	2462	MED	320
JL52	89.1755	4.9015	0.1772	1212	1216	30	2458	MED	321
AS09	84.0619	3.3921	0.2038	1209	1208	40	2457	MED	322
RU86	11.4851	0.6424	0.9907	707	687	1063	2457	MED	323
CU66	37.5173	1.7125	0.3611	1084	1142	230	2456	MED	324
AS10	83.3629	3.4261	0.1979	1208	1210	37	2455	MED	325
TP07	10.2451	0.6877	1.0622	610	744	1101	2455	MED	326
JU30	12.7437	0.8732	0.6849	771	876	804	2451	MED	327
AS07	96.1444	3.8875	0.1611	1214	1213	23	2450	MED	328
CU69	39.3884	1.6869	0.3473	1105	1136	209	2450	MED	329
PS41	13.3437	1.0489	0.6304	794	940	716	2450	MED	330
YO34	26.2893	1.0314	0.5253	983	933	534	2450	MED	331
JL53	70.9632	3.8321	0.1680	1204	1212	26	2442	MED	332
AS01	105.2914	4.1721	0.1293	1215	1214	11	2440	MED	333
CB13	14.8799	0.6113	0.8397	850	648	941	2439	MED	334
PS06	11.1911	0.7142	0.8641	688	777	974	2439	MED	335
PS40	13.0427	1.1302	0.6146	785	959	693	2437	MED	336
RU66	13.7336	0.6569	0.8176	808	709	918	2435	MED	337
YO45	12.1412	0.5869	1.0413	734	606	1093	2433	MED	338
AO11	57.2342	2.0311	0.2136	1198	1187	46	2431	MED	339
NE59	12.0995	0.6017	0.9888	733	636	1061	2430	MED	340
CL02	39.5102	1.6902	0.3270	1107	1138	182	2427	MED	341
JL45	44.3435	1.7688	0.2860	1154	1154	119	2427	MED	342
CB41	52.4199	1.9676	0.2348	1181	1180	61	2422	MED	343
YO17	14.7476	0.7370	0.6676	844	800	776	2420	MED	344

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	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
VAHU6									
CB12	34.6451	1.2819	0.4288	1056	1016	347	2419	MED	345
RA64	29.6637	1.0710	0.4924	1011	946	462	2419	MED	346
CB38	54.3187	1.9408	0.2258	1188	1174	56	2418	MED	347
PS52	15.2500	1.5254	0.4950	854	1092	470	2416	MED	348
CB30	67.6203	2.3274	0.1395	1203	1199	13	2415	MED	349
JR22	12.5082	0.6346	0.8856	748	679	987	2414	MED	350
AO08	43.1718	1.4491	0.3376	1143	1069	199	2411	MED	351
JM82	12.5513	0.6929	0.8035	753	753	905	2411	MED	352
RA07	15.5160	0.7671	0.6446	862	815	733	2410	MED	353
RA42	15.8966	0.8766	0.5915	874	878	658	2410	MED	354
YO39	16.3378	0.8294	0.6045	879	853	678	2410	MED	355
CB01	33.7109	1.1879	0.4415	1048	987	371	2406	MED	356
AS13	43.5716	1.8020	0.2695	1148	1157	100	2405	MED	357
RA17	27.9297	1.1814	0.4735	992	984	426	2402	MED	358
CM30	28.8188	1.1374	0.4783	1002	964	435	2401	MED	359
RU76	14.5078	0.7406	0.6601	833	803	764	2400	MED	360
CB33	58.6323	2.1326	0.0725	1200	1192	6	2398	MED	361
CB42	54.3961	1.9538	0.1840	1189	1176	31	2396	MED	362
PS49	15.8547	1.6149	0.4619	873	1116	406	2395	MED	363
AO14	53.6926	1.9701	0.1756	1183	1181	29	2393	MED	364
RA41	17.2648	1.0126	0.5400	894	929	570	2393	MED	365
RD71	10.8584	0.5790	1.2028	662	593	1134	2389	MED	366
JA26	13.4823	0.6794	0.7413	802	733	850	2385	MED	367
PU10	10.8452	0.6462	0.9465	658	693	1033	2384	MED	368
JM42	11.9466	0.5914	0.9618	725	612	1046	2383	MED	369

2020 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			
CU67	33.8405	1.3226	0.4052	1051	1027	304	2382	MED	370
PS82	12.1709	0.7019	0.7707	739	763	878	2380	MED	371
CB31	53.0623	1.8969	0.1546	1182	1172	21	2375	MED	372
PS85	13.9210	0.7874	0.6422	818	827	730	2375	MED	373
CB35	52.2492	1.8899	0.1646	1180	1170	24	2374	MED	374
AO09	45.2981	1.5051	0.2922	1157	1088	127	2372	MED	375
CB36	50.1782	1.8776	0.1653	1175	1169	25	2369	MED	376
CB39	49.4691	1.8141	0.1910	1172	1161	35	2368	MED	377
CB44	47.0941	1.6964	0.2356	1164	1140	63	2367	MED	378
TP16	10.2418	0.6280	1.0320	609	672	1085	2366	MED	379
RD69	12.1621	0.6347	0.8437	736	680	948	2364	MED	380
AO18	45.8866	1.5931	0.2647	1159	1108	95	2362	MED	381
CU65	32.2343	1.4261	0.3844	1031	1059	270	2360	MED	382
CU68	32.5827	1.3506	0.3943	1035	1037	288	2360	MED	383
AO04	43.1822	1.6278	0.2632	1144	1122	93	2359	MED	384
CB43	46.3894	1.6588	0.2399	1162	1126	69	2357	MED	385
YA04	10.0069	0.5529	1.9187	587	566	1203	2356	MED	386
CM17	14.3266	0.7061	0.6581	828	771	756	2355	MED	387
CB10	14.7307	0.5825	0.8120	842	598	914	2354	MED	388
JM35	12.1431	0.6157	0.8545	735	654	964	2353	MED	389
CB05	30.8457	1.1429	0.4385	1018	967	367	2352	MED	390
PS01	12.8355	0.8897	0.6127	776	886	690	2352	MED	391
RD58	12.6351	0.7204	0.6852	762	784	806	2352	MED	392
CB32	50.9299	1.7991	0.1143	1178	1156	10	2344	MED	393
RA66	32.3456	1.0674	0.4395	1032	944	368	2344	MED	394

2020 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			
VAHU6									
RU74	13.7420	0.6764	0.6834	809	732	800	2341	MED	395
CU51	45.2849	1.6902	0.2118	1156	1137	45	2338	MED	396
CL01	41.5876	1.8216	0.2103	1130	1162	44	2336	MED	397
RA69	27.2238	0.9331	0.4835	988	900	445	2333	MED	398
AS11	42.9220	1.8640	0.1557	1142	1166	22	2330	MED	399
RU57	12.7098	0.6456	0.7590	769	692	869	2330	MED	400
RD46	12.6618	0.7044	0.6781	764	769	794	2327	MED	401
PL42	16.8692	0.8446	0.5430	887	863	574	2324	MED	402
TC27	10.4344	0.7109	0.8196	626	775	922	2323	MED	403
JL21	18.7004	0.8150	0.5356	919	846	557	2322	MED	404
RU70	15.8169	0.7021	0.6106	871	765	684	2320	MED	405
JA44	23.4455	0.9420	0.4892	955	903	458	2316	MED	406
CU36	39.6854	1.4755	0.2921	1114	1075	126	2315	MED	407
JU33	13.2811	1.0149	0.5527	793	930	591	2314	MED	408
RL14	13.2343	0.6014	0.7880	790	633	891	2314	MED	409
PS07	12.4055	0.8792	0.6120	744	881	687	2312	MED	410
AO10	46.1285	1.5647	0.2142	1160	1103	47	2310	MED	411
AS14	39.6593	1.6728	0.2371	1112	1131	66	2309	MED	412
YO41	16.2996	0.7437	0.5701	878	805	625	2308	MED	413
CM29	38.5961	1.5299	0.2862	1093	1094	120	2307	MED	414
PL32	14.6406	0.7676	0.5890	839	816	652	2307	MED	415
TC32	9.8393	0.6625	0.9282	568	714	1025	2307	MED	416
PS60	10.6092	0.9574	0.6565	640	912	752	2304	MED	417
JA18	12.0411	0.8096	0.6442	728	843	732	2303	MED	418
AO02	33.4962	1.2873	0.3626	1046	1017	234	2297	MED	419

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VAHU6									
RA47	16.3847	0.6833	0.6050	880	738	679	2297	MED	420
PS02	11.4572	0.9554	0.6059	705	910	681	2296	MED	421
JU59	8.8071	0.6449	1.1084	488	691	1115	2294	MED	422
RD63	12.6686	0.7270	0.6481	765	791	735	2291	MED	423
TP17	9.2297	0.5538	1.6709	523	569	1197	2289	MED	424
PL19	21.1725	0.8925	0.4923	939	887	461	2287	MED	425
CB14	13.8296	0.6003	0.7346	811	629	845	2285	MED	426
RA28	10.7607	0.5933	0.9247	649	617	1018	2284	MED	427
AS18	33.7259	1.7371	0.2557	1049	1149	82	2280	MED	428
RL11	13.1144	0.6255	0.7030	787	667	826	2280	MED	429
JU61	13.4599	0.9909	0.5326	799	924	549	2272	MED	430
RU90	10.2109	0.5371	1.1447	605	543	1122	2270	MED	431
NE84	12.8067	0.4711	0.9785	774	435	1059	2268	MED	432
TP14	11.6167	0.6274	0.7755	714	671	882	2267	MED	433
RA68	28.6149	0.9441	0.4306	1001	905	350	2256	MED	434
JU34	16.2345	1.2253	0.4450	876	996	383	2255	MED	435
JU08	15.3458	0.9373	0.5048	857	901	496	2254	MED	436
JU12	10.8810	0.6955	0.7117	664	756	833	2253	MED	437
JM53	10.7991	0.7179	0.6916	654	782	814	2250	MED	438
RL13	14.1233	0.6633	0.6256	821	716	710	2247	MED	439
RU69	13.6506	0.6269	0.6640	806	669	771	2246	MED	440
JM81	12.4133	0.6098	0.7395	745	647	848	2240	MED	441
RA06	12.5710	0.6740	0.6572	755	730	754	2239	MED	442
YO64	15.2836	0.5963	0.6590	855	621	761	2237	MED	443
PS79	12.6255	0.7551	0.5949	758	811	665	2234	MED	444

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VAHU6									
RA72	33.6122	1.0889	0.3629	1047	951	235	2233	MED	445
RL08	11.6284	0.5163	0.9131	715	501	1008	2224	MED	446
YO08	13.3551	0.7196	0.5847	795	783	646	2224	MED	447
PS43	11.4785	0.8432	0.5900	706	861	656	2223	MED	448
AS16	26.3753	1.4716	0.3161	985	1073	159	2217	MED	449
JA28	16.4362	0.7770	0.5135	881	819	514	2214	MED	450
JU35	9.6900	0.8768	0.6682	555	879	779	2213	MED	451
JM79	12.7797	0.6072	0.6778	773	645	793	2211	MED	452
CU10	18.2370	0.7605	0.5021	910	814	486	2210	MED	453
AS20	30.0258	1.5951	0.2559	1016	1109	83	2208	MED	454
JA24	12.9182	0.7157	0.5849	780	780	647	2207	MED	455
YO23	10.2207	0.4964	1.1379	606	476	1120	2202	MED	456
CU70	36.6481	1.4892	0.2081	1077	1081	43	2201	MED	457
JU63	10.8458	0.7815	0.6329	659	823	718	2200	MED	458
TP10	12.3599	0.6733	0.6396	743	728	727	2198	MED	459
TP06	10.1822	0.6447	0.8015	601	690	903	2194	MED	460
TP15	8.8876	0.5352	1.3057	493	538	1160	2191	MED	461
JM76	12.6189	0.6400	0.6558	757	685	748	2190	MED	462
RA67	25.3054	0.8771	0.4212	972	880	334	2186	MED	463
RU92	10.7705	0.5238	0.9253	651	514	1020	2185	MED	464
CU08	13.9183	0.6539	0.5937	817	702	662	2181	MED	465
RA71	23.3307	0.7787	0.4586	954	822	403	2179	MED	466
PS69	10.4114	0.6860	0.6872	625	742	811	2178	MED	467
RA45	13.4040	0.6887	0.5714	798	747	629	2174	MED	468
JM14	10.6578	0.6200	0.7542	644	661	867	2172	MED	469

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VAHU6									
CB03	37.3023	1.2756	0.2487	1081	1013	77	2171	MED	470
CB46	37.2405	1.4732	0.1434	1080	1074	16	2170	MED	471
TC26	8.9135	0.5849	0.9971	496	604	1066	2166	MED	472
TC33	8.9378	0.5429	1.1221	499	551	1116	2166	MED	473
PS84	10.8697	0.6483	0.6857	663	694	808	2165	MED	474
TH45	8.9236	0.4957	1.6175	497	473	1193	2163	MED	475
JM60	11.2451	0.6052	0.7016	692	642	825	2159	MED	476
RA70	21.2967	0.7476	0.4635	941	806	409	2156	MED	477
RA52	11.7543	0.4889	0.8595	718	467	970	2155	MED	478
RU87	11.8915	0.5810	0.7270	722	594	838	2154	MED	479
PL14	12.5094	0.6166	0.6555	749	657	747	2153	MED	480
RA16	12.0680	0.6589	0.6241	732	711	708	2151	MED	481
CB16	32.5766	1.2314	0.2834	1034	999	116	2149	MED	482
CB18	35.5924	1.3650	0.2031	1067	1043	39	2149	MED	483
JU24	10.1251	0.5962	0.8337	594	620	935	2149	MED	484
JM40	9.5806	0.6028	0.8525	548	640	959	2147	MED	485
RD75	11.3542	0.6203	0.6693	701	662	781	2144	MED	486
RU22	10.4108	0.4989	0.9568	624	478	1040	2142	MED	487
TC23	9.8708	0.5529	0.9018	571	567	1001	2139	MED	488
AS19	28.4552	1.4814	0.2321	999	1076	60	2135	MED	489
CU23	11.2735	0.5315	0.8027	695	531	904	2130	MED	490
JM51	9.7472	0.6544	0.7540	561	703	866	2130	MED	491
JA31	14.9291	0.7212	0.5025	851	788	489	2128	MED	492
JM80	10.9162	0.5410	0.8079	669	549	909	2127	MED	493
YO44	12.6420	0.6435	0.6025	763	688	675	2126	MED	494

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VAHU6									
JM41	9.2988	0.6676	0.7679	526	722	877	2125	MED	495
JA09	10.4491	0.6506	0.6814	628	697	799	2124	MED	496
PU05	14.6679	0.6328	0.5613	840	674	608	2122	MED	497
CU26	12.8794	0.5711	0.6565	778	585	751	2114	MED	498
YO16	12.2751	0.6584	0.5934	741	710	661	2112	MED	499
CM15	11.3481	0.5258	0.7866	700	521	890	2111	MED	500
CU27	10.5155	0.5289	0.8451	633	524	951	2108	MED	501
RU71	11.7863	0.5769	0.6810	720	590	798	2108	MED	502
YA01	9.2831	0.4711	1.2305	525	434	1143	2102	MED	503
JU32	12.9631	0.9886	0.4513	781	923	389	2093	MED	504
PL31	12.5206	0.6529	0.5796	750	699	642	2091	MED	505
PS42	11.1625	0.9311	0.5075	686	899	503	2088	MED	506
PU16	13.8994	0.7071	0.5066	815	773	499	2087	MED	507
PS50	13.8812	1.4358	0.3429	813	1062	207	2082	MED	508
JU03	13.2726	0.9267	0.4521	792	897	391	2080	MED	509
TH44	8.0814	0.5430	1.0715	423	552	1105	2080	MED	510
AS17	25.1337	1.2904	0.2627	970	1018	90	2078	MED	511
RD61	10.6379	0.6003	0.6852	642	630	805	2077	MED	512
RU29	11.2013	0.5292	0.7489	689	525	859	2073	MED	513
CB45	33.9185	1.2674	0.1379	1052	1008	12	2072	MED	514
JA14	11.3171	0.7003	0.5625	698	759	612	2069	MED	515
JU46	8.8600	0.4667	1.2614	492	425	1150	2067	MED	516
RA73	23.5098	0.7876	0.3868	958	828	275	2061	MED	517
PL58	10.6833	0.5364	0.7509	646	539	862	2047	MED	518
TC31	9.0057	0.5573	0.8554	505	572	966	2043	MED	519



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VAHU6									
RA74	23.0678	0.7964	0.3717	952	837	251	2040	MED	520
RU78	13.0000	0.6362	0.5388	784	682	568	2034	MED	521
JA32	14.4178	0.7023	0.4812	829	766	438	2033	MED	522
PL48	13.6576	0.7278	0.4781	807	792	434	2033	MED	523
CU29	16.4577	0.6271	0.4975	882	670	478	2030	MED	524
RU94	9.1977	0.4186	1.3462	521	338	1170	2029	MED	525
CM13	12.8681	0.5752	0.5941	777	588	663	2028	MED	526
JA16	10.1810	0.7165	0.5803	600	781	643	2024	MED	527
TH37	7.3991	0.5094	1.3252	367	490	1165	2022	MED	528
TP04	11.2691	0.6902	0.5410	694	750	571	2015	MED	529
RD02	8.1232	0.5067	1.0542	430	487	1095	2012	MED	530
RU05	7.8522	0.4817	1.2879	400	451	1158	2009	MED	531
JA20	9.9946	0.6545	0.6346	584	704	720	2008	MED	532
PS44	10.4650	0.8266	0.5206	629	852	527	2008	MED	533
RD32	9.9663	0.5735	0.7265	581	586	837	2004	MED	534
PL40	17.6295	0.8128	0.3741	899	844	255	1998	MED	535
JU27	10.3603	0.7832	0.5340	618	825	551	1994	MED	536
PL61	9.0598	0.4740	0.9594	508	443	1043	1994	MED	537
RD57	11.0562	0.6394	0.5763	678	683	632	1993	MED	538
RU21	9.3804	0.4463	1.0006	533	389	1068	1990	MED	539
RU62	12.0547	0.7019	0.5048	729	764	495	1988	MED	540
JM48	10.7572	0.5976	0.6255	648	623	709	1980	MED	541
JM33	8.6337	0.6014	0.7668	469	634	876	1979	MED	542
JU80	8.1859	0.4800	1.0299	433	449	1083	1965	MED	543
JU84	8.2324	0.6504	0.7046	435	696	830	1961	MED	544

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VAHU6									
RD43	9.5564	0.5369	0.7654	546	541	874	1961	MED	545
JA33	12.9698	0.6708	0.4850	783	726	449	1958	MED	546
RU77	11.9637	0.6605	0.5159	726	713	519	1958	MED	547
JU20	10.7433	0.6556	0.5583	647	706	604	1957	MED	548
RD53	10.1348	0.5926	0.6518	596	614	741	1951	MED	549
CB19	28.1005	0.9827	0.1729	993	921	27	1941	MED	550
PL02	13.2303	0.5426	0.5580	789	550	602	1941	MED	551
YO21	11.6915	0.5395	0.6003	717	547	673	1937	MED	552
PL56	12.6283	0.6315	0.5068	760	673	500	1933	MED	553
JU22	8.0096	0.5194	0.9040	418	507	1004	1929	MED	554
JM45	8.5638	0.5536	0.7946	464	568	896	1928	MED	555
CB21	25.6701	1.0161	0.1466	977	931	18	1926	MED	556
JA02	10.9241	0.6973	0.5049	670	757	497	1924	MED	557
JU07	12.8205	0.7543	0.4228	775	810	338	1923	MED	558
PU14	10.3685	0.5844	0.6215	619	602	702	1923	MED	559
JL18	19.9935	0.7957	0.3143	930	836	156	1922	MED	560
PS30	11.0490	0.7334	0.4849	677	795	446	1918	MED	561
PS36	11.5208	0.9674	0.3977	709	917	292	1918	MED	562
JM12	10.4071	0.5573	0.6279	623	573	713	1909	MED	563
JM17	9.1912	0.6847	0.5864	519	740	649	1908	MED	564
JM63	9.8110	0.7208	0.5355	566	786	556	1908	MED	565
JM58	11.0448	0.6199	0.5386	676	660	566	1902	MED	566
TP12	9.9362	0.6359	0.5796	580	681	641	1902	MED	567
JA38	9.5020	0.4359	0.8768	541	372	982	1895	MED	568
PU07	9.3765	0.9115	0.4954	531	893	471	1895	MED	569

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VAHU6									
YO40	11.6520	0.6667	0.4896	716	720	459	1895	MED	570
JM13	9.0399	0.5292	0.7462	507	526	856	1889	MED	571
PL44	14.2218	0.7879	0.3597	825	829	229	1883	MED	572
JU49	7.2766	0.4627	1.0605	355	421	1100	1876	MED	573
PL45	18.9361	0.7559	0.2955	924	812	131	1867	MED	574
RD49	10.2290	0.5782	0.5967	607	592	667	1866	MED	575
RU89	8.9012	0.5345	0.7223	495	536	834	1865	MED	576
JA12	10.3372	0.6160	0.5532	615	655	592	1862	MED	577
RU32	10.8160	0.5310	0.6034	656	529	676	1861	MED	578
RL16	8.9375	0.4367	0.8839	498	377	985	1860	MED	579
PL64	12.0614	0.5846	0.5178	730	603	523	1856	MED	580
RU12	8.9415	0.4650	0.8331	500	422	932	1854	MED	581
CM22	14.1709	0.6057	0.4474	823	643	387	1853	MED	582
JM34	8.5415	0.4819	0.8331	461	454	933	1848	MED	583
RU28	8.2796	0.5035	0.8212	439	484	924	1847	MED	584
RA22	12.6701	0.7005	0.4134	766	760	316	1842	MED	585
RU61	12.5605	0.6247	0.4726	754	666	422	1842	MED	586
JU06	14.7789	0.9536	0.2589	846	908	86	1840	MED	587
YO68	14.6029	0.5439	0.4865	836	553	451	1840	MED	588
CU07	11.7566	0.5656	0.5259	719	582	537	1838	MED	589
NE11	6.8519	0.4289	1.3159	317	358	1163	1838	MED	590
TP18	8.6248	0.5894	0.6590	467	609	762	1838	MED	591
TC30	8.6353	0.5350	0.7033	470	537	827	1834	MED	592
JU15	10.5343	0.6684	0.4957	636	725	472	1833	MED	593
JR20	9.6555	0.6183	0.5644	553	659	616	1828	MED	594

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	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
VAHU6									
RA31	9.0927	0.5036	0.7072	511	485	831	1827	MED	595
JM21	7.9699	0.4866	0.8438	413	463	949	1825	MED	596
JU31	9.6286	0.7712	0.4882	551	817	456	1824	MED	597
PL43	12.4572	0.7208	0.3964	746	787	291	1824	MED	598
RA15	10.3430	0.6128	0.5344	617	650	553	1820	MED	599
CB15	20.3471	0.7582	0.2462	933	813	73	1819	MED	600
PS47	8.1950	0.5383	0.7293	434	544	840	1818	MED	601
PS48	6.9118	0.4536	1.0554	323	399	1096	1818	MED	602
YO43	10.3885	0.5973	0.5413	621	622	573	1816	MED	603
RU91	9.7245	0.5071	0.6621	557	489	768	1814	MED	604
PL13	11.0391	0.5930	0.5146	675	615	517	1807	MED	605
RL20	9.2157	0.4670	0.7460	522	426	854	1802	MED	606
RD55	10.2413	0.5931	0.5438	608	616	576	1800	MED	607
YO38	13.0898	0.6811	0.3887	786	735	279	1800	MED	608
JM61	10.8477	0.6007	0.5092	660	632	507	1799	MED	609
JM54	9.7250	0.6539	0.5272	558	701	539	1798	MED	610
CU21	8.4855	0.4235	0.8933	457	347	991	1795	MED	611
JM77	10.2533	0.6061	0.5258	611	644	536	1791	MED	612
RA34	10.9349	0.5757	0.5230	671	589	531	1791	MED	613
RU34	9.7435	0.5617	0.5900	560	576	655	1791	MED	614
YO67	13.5279	0.5840	0.4460	803	600	385	1788	MED	615
JA34	13.4013	0.7114	0.3493	797	776	212	1785	MED	616
JA37	8.6934	0.4572	0.7987	479	405	900	1784	MED	617
CU04	11.0601	0.5895	0.5045	679	610	494	1783	MED	618
RD44	9.9740	0.5369	0.5917	582	540	659	1781	MED	619

2020 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			
VAHU6									
TP11	7.5631	0.4753	0.8487	379	444	955	1778	MED	620
JU56	6.6518	0.4509	1.0340	293	396	1087	1776	LOW	621
RD74	9.5633	0.5607	0.5894	547	575	654	1776	LOW	622
RD52	10.1397	0.5911	0.5386	597	611	567	1775	LOW	623
TP05	8.7356	0.5370	0.6560	480	542	749	1771	LOW	624
TH39	6.8365	0.3888	1.4102	311	282	1173	1766	LOW	625
YA03	7.6749	0.4367	0.9075	385	376	1005	1766	LOW	626
RU67	11.2767	0.5830	0.4942	696	599	468	1763	LOW	627
RU23	8.5781	0.4254	0.8429	465	349	946	1760	LOW	628
JU55	7.7185	0.5100	0.7617	390	492	872	1754	LOW	629
PU09	10.1057	0.5641	0.5458	593	580	580	1753	LOW	630
CU30	18.5481	0.7007	0.2479	915	761	75	1751	LOW	631
JA07	11.5152	0.6674	0.4144	708	721	320	1749	LOW	632
TC22	7.3544	0.4196	0.9627	362	339	1047	1748	LOW	633
JM32	8.6646	0.5046	0.6748	472	486	787	1745	LOW	634
PL46	11.3436	0.5978	0.4713	699	624	420	1743	LOW	635
JU76	8.6856	0.6027	0.5681	476	639	623	1738	LOW	636
RL10	10.0487	0.5164	0.5817	589	502	645	1736	LOW	637
BS34	5.9776	0.4293	1.3158	214	359	1162	1735	LOW	638
PL12	10.5348	0.4593	0.6044	637	416	677	1730	LOW	639
JM23	7.4043	0.4532	0.8543	368	398	962	1728	LOW	640
RU30	10.4854	0.5189	0.5492	632	506	588	1726	LOW	641
NE58	8.6307	0.3962	0.8443	468	305	950	1723	LOW	642
JU85	7.5403	0.5945	0.6393	377	618	725	1720	LOW	643
NE75	7.1740	0.3952	1.0049	346	303	1071	1720	LOW	644

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VAHU6									
RD45	9.3683	0.4859	0.6401	530	462	728	1720	LOW	645
JU04	11.0075	0.9994	0.2808	674	926	109	1709	LOW	646
RA35	9.4646	0.5891	0.5368	537	608	562	1707	LOW	647
TC25	9.1283	0.5642	0.5618	514	581	611	1706	LOW	648
TC16	7.4331	0.4775	0.7803	371	448	885	1704	LOW	649
JM25	8.5133	0.5229	0.6426	460	512	731	1703	LOW	650
JU29	11.3847	0.8335	0.3031	702	856	144	1702	LOW	651
JU83	7.4816	0.5683	0.6541	373	583	745	1701	LOW	652
PL35	10.4691	0.6019	0.4766	630	637	432	1699	LOW	653
JM24	7.9619	0.4943	0.6910	412	471	813	1696	LOW	654
RU04	7.7787	0.4433	0.8176	393	384	919	1696	LOW	655
CU20	8.5074	0.4178	0.7977	459	337	899	1695	LOW	656
JU11	10.3332	0.6830	0.4250	614	737	342	1693	LOW	657
YO24	11.0789	0.5305	0.5018	680	528	485	1693	LOW	658
CM16	10.9614	0.5390	0.4958	672	545	473	1690	LOW	659
RU68	10.7940	0.5500	0.4965	652	559	475	1686	LOW	660
JU64	7.6568	0.7018	0.5232	383	762	533	1678	LOW	661
RU73	9.5553	0.5179	0.5702	545	504	627	1676	LOW	662
PL26	13.9114	0.8026	0.1490	816	840	19	1675	LOW	663
JM86	15.6562	0.6502	0.2827	866	695	113	1674	LOW	664
RU81	10.7683	0.5500	0.4927	650	560	463	1673	LOW	665
CB23	19.5345	0.6842	0.0703	927	739	5	1671	LOW	666
RU35	9.9278	0.4715	0.5887	578	436	651	1665	LOW	667
JU05	11.5903	0.9012	0.2348	712	890	62	1664	LOW	668
PU02	11.8949	0.8461	0.2395	724	865	68	1657	LOW	669

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VAHU6									
RA44	9.8927	0.6601	0.4382	574	712	366	1652	LOW	670
YO15	9.9862	0.5149	0.5397	583	500	569	1652	LOW	671
JM59	10.8961	0.6678	0.3784	665	723	261	1649	LOW	672
RA26	9.5176	0.5625	0.5215	543	577	529	1649	LOW	673
PL09	9.9058	0.4365	0.6158	576	374	698	1648	LOW	674
YO02	10.1894	0.6003	0.4688	602	628	416	1646	LOW	675
JU73	9.8914	0.5243	0.5348	573	516	554	1643	LOW	676
JM16	10.1980	0.5812	0.4821	603	596	442	1641	LOW	677
RU20	6.9068	0.3942	0.9259	322	297	1021	1640	LOW	678
TC24	8.2472	0.5506	0.5793	438	562	638	1638	LOW	679
PL52	8.8951	0.4718	0.6238	494	437	706	1637	LOW	680
JU72	7.9032	0.5631	0.5866	406	578	650	1634	LOW	681
RU08	9.0943	0.4538	0.6352	512	400	721	1633	LOW	682
PL55	9.9333	0.6137	0.4584	579	652	401	1632	LOW	683
CU22	9.1804	0.4353	0.6489	518	371	738	1627	LOW	684
RU59	9.8469	0.5445	0.5072	569	555	502	1626	LOW	685
PS45	7.9062	0.5597	0.5815	407	574	644	1625	LOW	686
PL57	8.7601	0.4816	0.6128	483	450	691	1624	LOW	687
PU04	11.2371	0.8296	0.2428	690	854	70	1614	LOW	688
PL30	12.7082	0.7325	0.2190	768	793	52	1613	LOW	689
YO65	11.2637	0.4867	0.4879	693	465	455	1613	LOW	690
RL18	8.0923	0.3961	0.7776	425	304	883	1612	LOW	691
YA06	7.0249	0.4152	0.8380	340	331	940	1611	LOW	692
JA04	10.0945	0.6160	0.4354	590	656	361	1607	LOW	693
TH41	5.9151	0.4178	0.9894	206	336	1062	1604	LOW	694

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VAHU6									
CM12	10.2984	0.4587	0.5456	613	412	578	1603	LOW	695
JU02	10.6568	0.9086	0.2382	643	891	67	1601	LOW	696
RD64	9.1101	0.4991	0.5614	513	479	609	1601	LOW	697
YO66	11.2391	0.4447	0.5189	691	386	524	1601	LOW	698
JM69	8.4649	0.6212	0.4993	454	663	482	1599	LOW	699
JA01	10.8981	0.6631	0.3504	666	715	216	1597	LOW	700
JU69	10.5171	0.8852	0.2516	634	883	79	1596	LOW	701
JU74	8.6822	0.4176	0.6737	474	335	786	1595	LOW	702
JU36	10.1733	0.6338	0.4138	599	676	317	1592	LOW	703
NE08	6.4861	0.3791	0.9648	275	264	1052	1591	LOW	704
PS76	9.4832	0.5326	0.5151	540	533	518	1591	LOW	705
RD05	7.9127	0.4080	0.7536	408	318	864	1590	LOW	706
JU65	9.7597	0.7933	0.3332	563	834	192	1589	LOW	707
JA29	11.8572	0.6554	0.3077	721	705	150	1576	LOW	708
RD41	8.4742	0.4818	0.5953	456	453	666	1575	LOW	709
PS70	8.0963	0.5510	0.5467	426	563	583	1572	LOW	710
JA39	11.1162	0.5169	0.4467	681	503	386	1570	LOW	711
CB22	17.7867	0.6226	0.0619	902	664	3	1569	LOW	712
PL03	11.1596	0.3840	0.5617	685	273	610	1568	LOW	713
JM52	8.8435	0.6339	0.4563	491	677	394	1562	LOW	714
JR14	7.3211	0.3931	0.7999	360	296	901	1557	LOW	715
JU25	8.8141	0.7476	0.3774	489	807	259	1555	LOW	716
RU03	6.3365	0.3951	0.8990	257	302	996	1555	LOW	717
JU28	10.1042	0.8347	0.2713	592	857	101	1550	LOW	718
JA15	10.0045	0.5689	0.4436	586	584	379	1549	LOW	719



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VAHU6									
CM14	10.2595	0.5327	0.4586	612	534	402	1548	LOW	720
JU62	10.4463	0.8535	0.2159	627	870	51	1548	LOW	721
JR15	6.5445	0.4258	0.8145	280	350	916	1546	LOW	722
PU19	12.5309	0.5780	0.3415	751	591	203	1545	LOW	723
PL54	7.4132	0.4701	0.6535	370	431	743	1544	LOW	724
TC15	6.3605	0.4725	0.7334	261	439	844	1544	LOW	725
JM18	9.9023	0.5955	0.4295	575	619	349	1543	LOW	726
NE04	6.0577	0.3317	1.2317	231	167	1144	1542	LOW	727
NE69	7.0004	0.4134	0.7730	334	326	881	1541	LOW	728
NE03	6.4810	0.3589	0.9634	274	217	1049	1540	LOW	729
PU22	10.5417	0.6401	0.3500	638	686	215	1539	LOW	730
JU86	7.2943	0.4756	0.6470	358	446	734	1538	LOW	731
CM03	9.7872	0.5483	0.4666	565	557	414	1536	LOW	732
TC17	6.6357	0.3143	1.0778	291	133	1111	1535	LOW	733
CM05	8.9533	0.4769	0.5487	501	447	586	1534	LOW	734
JM55	8.4535	0.5543	0.5126	451	570	513	1534	LOW	735
JU14	10.7953	0.7354	0.2544	653	797	81	1531	LOW	736
RD60	9.5152	0.5468	0.4751	542	556	431	1529	LOW	737
RU11	8.4713	0.4959	0.5575	455	474	600	1529	LOW	738
RU14	11.3082	0.5638	0.3735	697	579	253	1529	LOW	739
YA07	6.8519	0.3902	0.8205	316	286	923	1525	LOW	740
JU38	8.4206	0.7360	0.3885	448	798	278	1524	LOW	741
NE55	7.2831	0.4029	0.7461	356	311	855	1522	LOW	742
TH23	5.9388	0.3516	1.0742	209	203	1109	1521	LOW	743
RD37	8.4413	0.4920	0.5569	449	468	598	1515	LOW	744

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VAHU6									
JU09	10.1705	0.6852	0.3237	598	741	173	1512	LOW	745
YO05	9.0819	0.5294	0.4968	509	527	476	1512	LOW	746
JU57	6.3622	0.4174	0.8094	262	334	911	1507	LOW	747
JU70	9.7061	0.7838	0.2892	556	826	124	1506	LOW	748
JA05	9.9093	0.5742	0.4243	577	587	341	1505	LOW	749
NE61	9.6364	0.3823	0.6104	552	269	683	1504	LOW	750
RU33	9.1508	0.4506	0.5485	516	395	585	1496	LOW	751
RL06	8.0712	0.3656	0.7332	421	232	842	1495	LOW	752
JU01	9.8853	0.8250	0.2437	572	850	71	1493	LOW	753
JA10	10.5174	0.6257	0.3306	635	668	187	1490	LOW	754
JU39	6.9443	0.5342	0.5714	327	535	628	1490	LOW	755
NE36	6.4753	0.3951	0.8105	273	301	913	1487	LOW	756
BS32	7.2421	0.4267	0.6686	352	352	780	1484	LOW	757
TC20	10.8159	0.5484	0.3844	655	558	269	1482	LOW	758
NE45	7.9901	0.4344	0.6166	414	367	699	1480	LOW	759
TP02	8.4581	0.5313	0.5055	452	530	498	1480	LOW	760
RD59	9.4747	0.5524	0.4429	538	565	376	1479	LOW	761
CU06	10.5982	0.5986	0.3491	639	626	210	1475	LOW	762
RU58	10.0327	0.5844	0.3922	588	601	283	1472	LOW	763
TC19	7.7317	0.4849	0.5656	391	459	619	1469	LOW	764
JU43	6.2479	0.3901	0.8338	247	285	936	1468	LOW	765
PU03	9.7549	0.8588	0.1899	562	871	34	1467	LOW	766
PU18	11.5843	0.5207	0.3710	711	509	247	1467	LOW	767
NE56	9.2528	0.3943	0.5793	524	299	639	1462	LOW	768
PL63	10.9014	0.6753	0.2361	667	731	64	1462	LOW	769

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VAHU6									
RD35	8.7672	0.5032	0.5033	485	483	491	1459	LOW	770
PS78	8.0758	0.5238	0.5175	422	515	521	1458	LOW	771
YO07	9.8201	0.4937	0.4723	567	470	421	1458	LOW	772
CM08	8.6919	0.4594	0.5376	477	417	563	1457	LOW	773
JM64	8.6851	0.6136	0.4193	475	651	329	1455	LOW	774
PS81	8.9938	0.5146	0.4850	503	499	448	1450	LOW	775
JA03	9.5533	0.6153	0.3734	544	653	252	1449	LOW	776
PL25	11.5803	0.6398	0.2230	710	684	55	1449	LOW	777
PU01	7.6735	0.9666	0.3058	384	916	148	1448	LOW	778
RA05	8.1127	0.4739	0.5451	429	442	577	1448	LOW	779
PL29	11.4548	0.6007	0.2825	704	631	112	1447	LOW	780
PS38	8.6613	0.7924	0.3006	471	833	141	1445	LOW	781
RU65	9.3785	0.5102	0.4710	532	494	419	1445	LOW	782
RU64	10.6142	0.5503	0.3687	641	561	242	1444	LOW	783
JM43	7.7438	0.4684	0.5658	392	429	620	1441	LOW	784
JU41	6.2788	0.3704	0.8424	251	244	945	1440	LOW	785
BS25	5.2394	0.3739	0.9751	133	248	1057	1438	LOW	786
JL02	11.1595	0.6122	0.2738	684	649	102	1435	LOW	787
PS72	7.8582	0.5069	0.5312	401	488	546	1435	LOW	788
BS20	5.1522	0.3812	0.9614	122	267	1045	1434	LOW	789
CU16	8.5487	0.5138	0.4960	462	497	474	1433	LOW	790
TH40	4.9778	0.3559	1.1277	105	208	1118	1431	LOW	791
JU66	8.3127	0.9151	0.2631	441	895	92	1428	LOW	792
TC14	6.6314	0.4320	0.6640	289	364	772	1425	LOW	793
JM22	8.2347	0.4737	0.5307	436	441	545	1422	LOW	794

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VAHU6									
NE02	5.8904	0.3309	0.9737	202	163	1056	1421	LOW	795
YO03	8.0868	0.4843	0.5268	424	458	538	1420	LOW	796
JU78	6.8744	0.4574	0.6129	319	406	692	1417	LOW	797
RU83	10.2051	0.5810	0.3514	604	595	218	1417	LOW	798
NE22	6.9552	0.4275	0.6415	330	357	729	1416	LOW	799
RU37	8.3418	0.4832	0.5143	443	457	516	1416	LOW	800
RU80	9.7306	0.5146	0.4345	559	498	358	1415	LOW	801
RL01	8.4189	0.4149	0.5770	447	330	633	1410	LOW	802
NE53	6.6872	0.3911	0.6970	295	289	822	1406	LOW	803
JA06	10.1315	0.6034	0.3201	595	641	166	1402	LOW	804
RL03	8.5620	0.4653	0.5111	463	424	511	1398	LOW	805
TH36	4.8022	0.3497	1.1038	84	200	1114	1398	LOW	806
PL07	9.6195	0.4452	0.4896	550	387	460	1397	LOW	807
RD04	6.3528	0.4088	0.6942	260	319	817	1396	LOW	808
NE07	5.9645	0.3338	0.9188	210	171	1013	1394	LOW	809
NE62	7.2419	0.3853	0.6632	351	274	769	1394	LOW	810
CM01	8.1011	0.4719	0.5193	427	438	525	1390	LOW	811
JR08	6.8486	0.3833	0.6838	313	272	802	1387	LOW	812
RU63	10.3930	0.5206	0.3739	622	508	254	1384	LOW	813
TC11	6.1121	0.3943	0.7430	234	298	851	1383	LOW	814
RU31	9.0859	0.4227	0.5177	510	346	522	1378	LOW	815
RD19	6.7894	0.3760	0.6926	305	255	816	1376	LOW	816
RU07	7.8237	0.3921	0.6124	395	292	689	1376	LOW	817
NE54	7.3813	0.3662	0.6635	366	234	770	1370	LOW	818
JM28	6.9433	0.5444	0.5023	326	554	488	1368	LOW	819

2020 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			
VAHU6									
BS15	5.5141	0.3739	0.8454	166	249	952	1367	LOW	820
JA11	9.3203	0.6334	0.3178	528	675	164	1367	LOW	821
BS29	6.5493	0.3915	0.6803	281	290	795	1366	LOW	822
NE21	7.0110	0.4207	0.6124	336	342	688	1366	LOW	823
BS21	5.0016	0.3390	1.0205	106	179	1078	1363	LOW	824
BS27	5.2022	0.3687	0.9011	126	239	998	1363	LOW	825
RD56	9.1557	0.5402	0.4012	517	548	296	1361	LOW	826
BS06	5.2188	0.3348	0.9638	131	173	1051	1355	LOW	827
TC28	8.0529	0.4604	0.5137	420	419	515	1354	LOW	828
NE10	6.0109	0.3554	0.8219	220	207	926	1353	LOW	829
RU82	8.4617	0.4962	0.4730	453	475	423	1351	LOW	830
JA08	10.0969	0.5978	0.2959	591	625	133	1349	LOW	831
BS30	5.8115	0.3921	0.7485	194	291	857	1342	LOW	832
JR19	8.7358	0.5925	0.3698	481	613	246	1340	LOW	833
BS07	5.8735	0.3801	0.7637	201	265	873	1339	LOW	834
JU82	6.5692	0.4731	0.5631	284	440	614	1338	LOW	835
PS29	9.4167	0.7153	0.1501	534	778	20	1332	LOW	836
BS28	6.6256	0.4132	0.6306	288	325	717	1330	LOW	837
BS23	5.2624	0.3704	0.8435	139	243	947	1329	LOW	838
RU72	8.3048	0.4390	0.5077	440	381	504	1325	LOW	839
RU85	9.4336	0.5015	0.4087	535	482	307	1324	LOW	840
NE57	8.1457	0.4169	0.5357	431	332	558	1321	LOW	841
JM06	6.6115	0.4558	0.5716	287	403	630	1320	LOW	842
JM73	8.7945	0.5251	0.4125	487	518	315	1320	LOW	843
CM11	9.8628	0.4754	0.4028	570	445	299	1314	LOW	844

2020 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			
VAHU6									
JM47	6.7698	0.4426	0.5702	302	383	626	1311	LOW	845
PL20	10.9015	0.5100	0.3067	668	491	149	1308	LOW	846
JM31	7.8786	0.6023	0.3803	403	638	263	1304	LOW	847
RU56	8.7630	0.5121	0.4165	484	495	325	1304	LOW	848
PS86	10.8496	0.4976	0.3182	661	477	165	1303	LOW	849
JM68	8.0055	0.7047	0.2830	417	770	114	1301	LOW	850
YO14	7.8451	0.4579	0.5012	398	407	483	1288	LOW	851
RD65	8.4459	0.4483	0.4816	450	394	439	1283	LOW	852
RU88	8.1827	0.4822	0.4564	432	455	395	1282	LOW	853
JM66	8.4870	0.6015	0.3250	458	635	176	1269	LOW	854
RD51	8.9757	0.5259	0.3643	502	522	237	1261	LOW	855
JM85	9.0208	0.5233	0.3680	506	513	240	1259	LOW	856
PL04	9.1970	0.4016	0.4738	520	309	427	1256	LOW	857
BS19	5.0242	0.3596	0.8212	109	218	925	1252	LOW	858
CM09	8.7499	0.4710	0.4224	482	433	337	1252	LOW	859
JA30	9.6712	0.5553	0.2894	554	571	125	1250	LOW	860
PL50	8.3444	0.5252	0.3942	444	519	287	1250	LOW	861
NE15	6.0526	0.3607	0.6807	229	224	796	1249	LOW	862
RA04	7.8477	0.5101	0.4320	399	493	356	1248	LOW	863
JU58	6.9414	0.5265	0.4568	325	523	397	1245	LOW	864
TH09	5.6663	0.3888	0.6681	185	283	777	1245	LOW	865
BS01	4.6774	0.3380	0.8927	77	177	990	1244	LOW	866
JM67	7.8348	0.6174	0.3313	397	658	189	1244	LOW	867
CU11	7.2483	0.3756	0.5788	353	254	636	1243	LOW	868
JM05	6.1280	0.4267	0.5891	237	353	653	1243	LOW	869

2020 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			
VAHU6									
JL38	11.8946	0.5224	0.0937	723	511	8	1242	LOW	870
JU77	5.9791	0.3682	0.6681	215	237	778	1230	LOW	871
CU19	7.4940	0.4111	0.5231	375	322	532	1229	LOW	872
JM03	6.6618	0.4466	0.5299	294	391	543	1228	LOW	873
JM19	7.3630	0.4867	0.4569	365	464	399	1228	LOW	874
TC18	6.8902	0.4603	0.5023	320	418	487	1225	LOW	875
NE18	5.9856	0.3777	0.6523	216	261	742	1219	LOW	876
PU15	7.3621	0.3766	0.5566	364	256	597	1217	LOW	877
RA33	6.8064	0.4089	0.5516	307	320	589	1216	LOW	878
JM46	6.7227	0.3443	0.6368	298	194	723	1215	LOW	879
RD16	6.0121	0.2944	0.7918	221	100	892	1213	LOW	880
YO01	7.6318	0.5862	0.3538	380	605	223	1208	LOW	881
JU10	7.5201	0.5251	0.4114	376	517	313	1206	LOW	882
RL22	7.7887	0.4583	0.4581	394	411	400	1205	LOW	883
TH19	8.6738	0.2237	0.6269	473	18	712	1203	LOW	884
TH29	5.5564	0.3423	0.7316	172	189	841	1202	LOW	885
RD47	8.3595	0.4879	0.3938	445	466	286	1197	LOW	886
BS03	5.3516	0.3736	0.6835	148	246	801	1195	LOW	887
BS17	5.2049	0.3577	0.7453	127	214	853	1194	LOW	888
PS73	6.3507	0.4673	0.5092	258	427	508	1193	LOW	889
YO19	6.9934	0.4995	0.4431	332	480	377	1189	LOW	890
BS04	5.1058	0.3500	0.7539	120	201	865	1186	LOW	891
RL02	7.0512	0.4293	0.4989	344	360	481	1185	LOW	892
RU26	7.0330	0.4144	0.5115	342	329	512	1183	LOW	893
JR13	5.9986	0.3548	0.6569	218	205	753	1176	LOW	894

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	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
VAHU6									
JA41	9.4532	0.5214	0.2945	536	510	129	1175	LOW	895
RL19	9.0040	0.4202	0.4155	504	340	323	1167	LOW	896
JM26	7.2295	0.4830	0.4346	349	456	359	1164	LOW	897
RL24	8.6925	0.4067	0.4397	478	315	369	1162	LOW	898
RU25	6.7765	0.3695	0.5650	303	240	618	1161	LOW	899
PL21	10.9955	0.4214	0.3019	673	344	143	1160	LOW	900
RD76	6.9621	0.4475	0.4743	331	393	428	1152	LOW	901
RU46	7.4625	0.4592	0.4382	372	415	365	1152	LOW	902
BS33	5.4176	0.3636	0.6617	156	228	767	1151	LOW	903
PL10	8.8231	0.4273	0.4068	490	356	305	1151	LOW	904
PL24	9.3653	0.3560	0.4641	529	209	410	1148	LOW	905
PU12	7.9439	0.4679	0.4084	410	428	306	1144	LOW	906
NE33	6.4338	0.3237	0.6367	269	152	722	1143	LOW	907
JM70	7.7149	0.5875	0.3048	389	607	146	1142	LOW	908
JA22	7.9607	0.4857	0.3820	411	461	266	1138	LOW	909
JR02	6.0606	0.3099	0.6718	232	123	783	1138	LOW	910
RA32	6.5162	0.3786	0.5569	277	262	599	1138	LOW	911
JM04	5.5504	0.4433	0.5462	171	385	581	1137	LOW	912
TH27	5.4526	0.3432	0.6718	162	191	784	1137	LOW	913
PL11	10.3699	0.3812	0.3713	620	266	250	1136	LOW	914
TC10	5.4430	0.3433	0.6714	161	192	782	1135	LOW	915
NE60	6.9507	0.3946	0.5079	329	300	505	1134	LOW	916
JA19	7.0231	0.5323	0.3790	339	532	262	1133	LOW	917
RD23	6.8051	0.3098	0.6191	306	122	700	1128	LOW	918
BS18	4.2784	0.3100	0.8511	38	125	957	1120	LOW	919



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	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ			
VAHU6									
JM38	6.4564	0.4270	0.5027	271	354	490	1115	LOW	920
JM56	7.3020	0.5256	0.3619	359	520	233	1112	LOW	921
PL06	6.2703	0.3738	0.5641	250	247	615	1112	LOW	922
JU53	6.8726	0.4937	0.4150	318	469	322	1109	LOW	923
YA05	5.5603	0.3444	0.6490	174	195	739	1108	LOW	924
CU05	8.5849	0.5179	0.2959	466	505	134	1105	LOW	925
TH22	7.3381	0.2230	0.6393	361	17	726	1104	LOW	926
BS08	4.6295	0.3140	0.8008	69	130	902	1101	LOW	927
BS24	5.3032	0.3603	0.6484	142	221	737	1100	LOW	928
NE25	7.9945	0.4141	0.4309	416	327	355	1098	LOW	929
BS02	4.8952	0.2331	0.8664	92	26	977	1095	LOW	930
RA08	6.4191	0.3750	0.5431	266	251	575	1092	LOW	931
TC13	7.2855	0.4302	0.4425	357	361	373	1091	LOW	932
NE24	6.1737	0.3652	0.5647	241	231	617	1089	LOW	933
BS22	5.5068	0.3908	0.5723	165	288	631	1084	LOW	934
JU71	6.4724	0.5517	0.3710	272	564	248	1084	LOW	935
JL54	12.1621	0.4202	0.0619	737	341	4	1082	LOW	936
JR01	6.3031	0.3082	0.6235	255	118	704	1077	LOW	937
JM30	6.7370	0.4371	0.4568	299	378	398	1075	LOW	938
RU60	7.9911	0.4472	0.3831	415	392	268	1075	LOW	939
JU48	6.2050	0.3682	0.5534	243	238	593	1074	LOW	940
JR03	5.3692	0.3887	0.5794	152	281	640	1073	LOW	941
RD12	6.6498	0.3588	0.5383	292	216	565	1073	LOW	942
PL01	7.6979	0.4328	0.4141	388	366	318	1072	LOW	943
BS11	4.2662	0.2892	0.8421	36	89	943	1068	LOW	944

2020 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			
VAHU6									
TH35	4.7474	0.3488	0.6753	80	199	788	1067	LOW	945
BS35	5.2430	0.3642	0.6218	134	229	703	1066	LOW	946
TH32	5.4147	0.3143	0.6673	155	134	775	1064	LOW	947
JR17	6.7465	0.3813	0.5035	301	268	493	1062	LOW	948
TH43	5.5617	0.3517	0.6056	175	204	680	1059	LOW	949
NE42	5.7687	0.4590	0.4870	189	414	453	1056	LOW	950
TH11	5.4234	0.3826	0.5690	157	271	624	1052	LOW	951
TC29	9.4826	0.3577	0.4009	539	213	295	1047	LOW	952
PS13	5.1628	0.4817	0.4950	125	452	469	1046	LOW	953
NE06	5.9684	0.3318	0.5949	212	168	664	1044	LOW	954
RD21	6.4191	0.3310	0.5628	267	164	613	1044	LOW	955
PS83	9.5837	0.4462	0.2760	549	388	105	1042	LOW	956
TH15	9.1485	0.3398	0.4256	515	183	343	1041	LOW	957
RD67	8.2457	0.5001	0.2871	437	481	122	1040	LOW	958
BS16	4.4767	0.3048	0.7660	53	111	875	1039	LOW	959
JU19	7.8271	0.5393	0.2644	396	546	94	1036	LOW	960
NE37	4.8101	0.3154	0.6917	85	136	815	1036	LOW	961
NE82	5.9171	0.3664	0.5518	207	235	590	1032	LOW	962
RD77	7.4130	0.3903	0.4426	369	287	375	1031	LOW	963
RU10	7.2324	0.4653	0.3761	350	423	258	1031	LOW	964
JR05	5.3466	0.2746	0.6859	147	72	810	1029	LOW	965
RD11	6.6029	0.3376	0.5381	286	176	564	1026	LOW	966
NE46	7.6880	0.4323	0.3850	387	365	271	1023	LOW	967
TC08	7.0031	0.3995	0.4449	335	307	381	1023	LOW	968
BS26	5.4291	0.3313	0.6151	159	166	696	1021	LOW	969

2020 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			
VAHU6									
RU09	7.6443	0.4420	0.3711	382	382	249	1013	LOW	970
JM11	6.9938	0.4316	0.4103	333	362	310	1005	LOW	971
NE09	6.0242	0.2965	0.5983	225	104	671	1000	LOW	972
TH38	4.4184	0.2724	0.7726	50	67	879	996	LOW	973
RU01	5.0937	0.2695	0.6903	119	64	812	995	LOW	974
PL51	8.0183	0.4386	0.3358	419	379	196	994	LOW	975
RD03	5.6504	0.3113	0.6112	181	127	685	993	LOW	976
TH42	5.0814	0.3293	0.6302	118	160	715	993	LOW	977
BS13	4.2097	0.2692	0.7935	33	63	895	991	LOW	978
PL62	7.9329	0.4855	0.2867	409	460	121	990	LOW	979
NE34	5.6577	0.3600	0.5476	182	220	584	986	LOW	980
JM10	7.6873	0.4364	0.3568	386	373	226	985	LOW	981
NE40	6.0275	0.3552	0.5341	226	206	552	984	LOW	982
CU02	6.7077	0.4001	0.4433	297	308	378	983	LOW	983
PL22	9.3086	0.3607	0.3612	527	223	231	981	LOW	984
TH30	4.5595	0.2647	0.7506	62	58	861	981	LOW	985
YO04	7.0365	0.4582	0.3581	343	409	228	980	LOW	986
JU75	6.9279	0.4949	0.3255	324	472	178	974	LOW	987
JR18	6.9015	0.4111	0.4178	321	321	327	969	LOW	988
RD01	5.9940	0.3864	0.4939	217	275	467	959	LOW	989
RL21	6.8507	0.4038	0.4199	314	312	330	956	LOW	990
JU17	6.0395	0.4366	0.4306	228	375	351	954	LOW	991
RL07	7.0117	0.3658	0.4453	337	233	384	954	LOW	992
JM71	6.7400	0.4579	0.3697	300	408	245	953	LOW	993
RD09	5.9685	0.3644	0.5097	213	230	509	952	LOW	994

2020 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			
VAHU6									
RD15	5.6596	0.2929	0.5990	183	95	672	950	LOW	995
RD18	5.5194	0.3445	0.5456	168	196	579	943	LOW	996
JM09	6.8441	0.4143	0.4047	312	328	302	942	LOW	997
JM27	6.1475	0.4260	0.4262	239	351	344	934	LOW	998
JU47	5.9348	0.2812	0.5850	208	78	648	934	LOW	999
NE87	4.6350	0.2287	0.7231	71	24	835	930	LOW	1000
RU06	6.2151	0.3923	0.4450	244	294	382	920	LOW	1001
CU01	7.2002	0.4709	0.2992	348	432	138	918	LOW	1002
NE32	8.4159	0.3199	0.4169	446	144	326	916	LOW	1003
BS09	4.3808	0.3018	0.6587	47	108	759	914	LOW	1004
JU44	6.2186	0.3865	0.4562	245	276	393	914	LOW	1005
NE35	5.3314	0.3395	0.5488	144	182	587	913	LOW	1006
RD40	7.6438	0.3012	0.4691	381	106	417	904	LOW	1007
YO69	9.7605	0.4116	0.1435	564	323	17	904	LOW	1008
JL58	10.8276	0.3680	0.0986	657	236	9	902	LOW	1009
NE20	6.0706	0.3431	0.4971	233	190	477	900	LOW	1010
PS46	4.9773	0.3768	0.5258	104	258	535	897	LOW	1011
RD72	7.8768	0.4390	0.2833	402	380	115	897	LOW	1012
JL57	10.6701	0.3701	0.0755	645	242	7	894	LOW	1013
RD38	6.5741	0.3882	0.4202	285	278	331	894	LOW	1014
NE28	8.7941	0.3442	0.3497	486	193	214	893	LOW	1015
PS17	5.8371	0.5124	0.3387	195	496	200	891	LOW	1016
RA25	6.2575	0.4021	0.4205	248	310	333	891	LOW	1017
NE13	5.3381	0.3149	0.5593	145	135	606	886	LOW	1018
JM29	6.2696	0.4125	0.4104	249	324	311	884	LOW	1019

2020 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			
VAHU6									
CM04	6.1947	0.4066	0.4159	242	314	324	880	LOW	1020
TH18	7.8835	0.2727	0.4625	404	68	407	879	LOW	1021
RA01	5.9139	0.4079	0.4309	205	317	354	876	LOW	1022
TH20	6.3782	0.3139	0.5016	263	129	484	876	LOW	1023
PL05	8.3237	0.4075	0.2848	442	316	117	875	LOW	1024
NE16	5.2136	0.2765	0.5978	130	74	669	873	LOW	1025
PU08	6.5599	0.4557	0.3312	282	402	188	872	LOW	1026
RL04	6.5024	0.3221	0.4851	276	146	450	872	LOW	1027
RU15	6.8513	0.4317	0.3344	315	363	193	871	LOW	1028
BS10	4.1052	0.2823	0.6592	27	80	763	870	LOW	1029
JR12	6.0167	0.4464	0.3756	223	390	257	870	LOW	1030
NE19	5.3014	0.3415	0.5294	141	188	541	870	LOW	1031
JU81	6.0158	0.4346	0.3885	222	368	277	867	LOW	1032
TC09	4.9329	0.3015	0.5926	100	107	660	867	LOW	1033
JU60	6.3052	0.4700	0.3257	256	430	179	865	LOW	1034
NE17	5.6460	0.3262	0.5194	180	156	526	862	LOW	1035
RL05	5.5158	0.2665	0.5773	167	61	634	862	LOW	1036
RD62	6.7845	0.3873	0.3899	304	277	280	861	LOW	1037
YA02	5.4253	0.2836	0.5674	158	81	622	861	LOW	1038
NE47	6.4296	0.3768	0.4216	268	257	335	860	LOW	1039
RU16	5.3888	0.2952	0.5589	153	102	605	860	LOW	1040
TC01	5.8431	0.2952	0.5368	197	101	561	859	LOW	1041
TC05	5.2077	0.3391	0.5318	128	180	547	855	LOW	1042
JM36	6.0187	0.3922	0.4224	224	293	336	853	LOW	1043
NE43	5.9048	0.3736	0.4594	203	245	404	852	LOW	1044

2020 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			
VAHU6									
RD48	6.9455	0.4349	0.3114	328	370	154	852	LOW	1045
JU23	6.4357	0.4563	0.3242	270	404	174	848	LOW	1046
JM57	6.2351	0.4216	0.3751	246	345	256	847	LOW	1047
NE31	7.4820	0.4347	0.2748	374	369	104	847	LOW	1048
TC02	4.3605	0.2007	0.6768	45	12	790	847	LOW	1049
BS12	4.2560	0.2933	0.6240	35	97	707	839	LOW	1050
RU13	6.8284	0.3698	0.3943	309	241	289	839	LOW	1051
JA35	6.8253	0.4612	0.2796	308	420	108	836	LOW	1052
PS77	6.4161	0.3824	0.4045	265	270	301	836	LOW	1053
RD50	7.2686	0.4583	0.2452	354	410	72	836	LOW	1054
RU18	4.9581	0.2467	0.6117	102	41	686	829	LOW	1055
CM10	7.3570	0.4172	0.2956	363	333	132	828	LOW	1056
PU13	7.0289	0.3565	0.3857	341	211	273	825	LOW	1057
NE65	5.2385	0.3281	0.5228	132	157	530	819	LOW	1058
PL23	7.1730	0.2858	0.4517	345	84	390	819	LOW	1059
NE12	5.8429	0.3251	0.4939	196	153	465	814	LOW	1060
NE50	5.5713	0.3620	0.4645	176	225	413	814	LOW	1061
JM08	6.5692	0.4530	0.2890	283	397	123	803	LOW	1062
NE38	4.9248	0.3142	0.5413	99	132	572	803	LOW	1063
TC12	5.6884	0.3963	0.4094	187	306	308	801	LOW	1064
CM06	6.0534	0.3883	0.3963	230	279	290	799	LOW	1065
CM02	6.2862	0.4044	0.3614	253	313	232	798	LOW	1066
RD25	5.3456	0.2536	0.5579	146	51	601	798	LOW	1067
TH01	5.4386	0.3625	0.4541	160	226	392	778	LOW	1068
JL56	10.4813	0.3187	0.0171	631	142	2	775	LOW	1069

2020 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			
VAHU6									
TH33	5.0449	0.3094	0.5289	114	121	540	775	LOW	1070
RD36	6.2881	0.3754	0.3819	254	253	265	772	LOW	1071
JM37	6.5433	0.4546	0.2627	279	401	91	771	LOW	1072
NE49	5.6629	0.3599	0.4365	184	219	363	766	LOW	1073
JR04	4.8840	0.2239	0.5908	89	19	657	765	LOW	1074
NE70	5.2597	0.3076	0.5083	138	116	506	760	LOW	1075
RU42	5.7425	0.2744	0.5069	188	70	501	759	LOW	1076
RD17	5.0253	0.3393	0.4939	110	181	466	757	LOW	1077
RL09	6.7064	0.3170	0.4147	296	139	321	756	LOW	1078
NE51	5.4570	0.3156	0.4869	163	137	452	752	LOW	1079
RD13	4.5404	0.2582	0.5782	59	54	635	748	LOW	1080
JU42	5.2449	0.3283	0.4876	135	158	454	747	LOW	1081
NE01	4.3533	0.3047	0.5538	43	110	594	747	LOW	1082
JR09	6.1210	0.4252	0.3173	235	348	162	745	LOW	1083
JR10	6.3934	0.4210	0.2928	264	343	128	735	LOW	1084
RL15	5.8734	0.2602	0.4981	200	55	480	735	LOW	1085
PL08	8.1041	0.3062	0.3259	428	114	180	722	LOW	1086
TH12	6.6346	0.3774	0.3173	290	259	163	712	LOW	1087
JR07	5.0470	0.2414	0.5364	115	35	560	710	LOW	1088
JU52	5.0156	0.3404	0.4674	108	184	415	707	LOW	1089
RU55	6.3508	0.3299	0.3936	259	162	284	705	LOW	1090
JR06	4.6858	0.2717	0.5361	78	66	559	703	LOW	1091
RD22	5.5378	0.2895	0.4827	170	90	443	703	LOW	1092
RD14	4.6023	0.2305	0.5612	65	25	607	697	LOW	1093
NE83	5.7819	0.3179	0.4364	191	140	362	693	LOW	1094

2020 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			
VAHU6									
TH10	5.0323	0.3312	0.4626	112	165	408	685	LOW	1095
RD06	5.6106	0.2913	0.4642	177	93	411	681	LOW	1096
BS14	5.0042	0.3463	0.4425	107	197	374	678	LOW	1097
PS80	5.7734	0.3341	0.4122	190	172	314	676	LOW	1098
RD29	4.9150	0.2283	0.5353	98	23	555	676	LOW	1099
TC06	5.8457	0.3166	0.4230	198	138	339	675	LOW	1100
TH14	7.9019	0.2934	0.3230	405	98	170	673	LOW	1101
RU24	5.6130	0.3182	0.4295	178	141	348	667	LOW	1102
TH26	4.7734	0.3229	0.4751	81	149	430	660	LOW	1103
JU67	6.5266	0.4271	0.1430	278	355	15	648	LOW	1104
TC03	4.4979	0.2518	0.5300	55	48	544	647	LOW	1105
RD34	5.9647	0.3232	0.3903	211	150	281	642	LOW	1106
PL47	6.8335	0.2878	0.3693	310	88	243	641	LOW	1107
TH13	7.5601	0.2642	0.3429	378	57	206	641	LOW	1108
RD66	6.2850	0.3931	0.2586	252	295	85	632	LOW	1109
BS31	4.9035	0.3408	0.4265	94	186	345	625	LOW	1110
NE14	4.8756	0.2866	0.4817	88	87	440	615	LOW	1111
RD26	5.2093	0.2489	0.4809	129	43	436	608	LOW	1112
NE29	5.5221	0.3476	0.3637	169	198	236	603	LOW	1113
RD08	5.3666	0.3000	0.4279	151	105	346	602	LOW	1114
RL23	6.1377	0.3501	0.3162	238	202	160	600	LOW	1115
JM07	5.4668	0.3775	0.3243	164	260	175	599	LOW	1116
NE26	5.6825	0.3560	0.3388	186	210	201	597	LOW	1117
RD24	6.1256	0.2841	0.3882	236	82	276	594	LOW	1118
CU13	6.0050	0.3790	0.2795	219	263	107	589	LOW	1119



2020 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			
VAHU6									
NE30	5.8733	0.3742	0.2995	199	250	139	588	LOW	1120
NE71	4.6395	0.2257	0.5035	72	22	492	586	LOW	1121
NE68	6.0352	0.3355	0.3267	227	174	181	582	LOW	1122
JU79	5.2561	0.4589	0.1749	137	413	28	578	LOW	1123
RD10	4.6555	0.2813	0.4732	74	79	424	577	LOW	1124
JR11	4.6225	0.3414	0.4107	68	187	312	567	LOW	1125
JU45	5.2484	0.3605	0.3449	136	222	208	566	LOW	1126
JU51	4.2516	0.2862	0.4832	34	85	444	563	LOW	1127
JU18	5.9139	0.3629	0.2948	204	227	130	561	LOW	1128
PS18	6.1597	0.3886	0.2047	240	280	41	561	LOW	1129
TH07	7.1800	0.2335	0.3299	347	27	184	558	LOW	1130
NE74	4.6206	0.2744	0.4706	67	71	418	556	LOW	1131
NE05	5.0335	0.2656	0.4444	113	59	380	552	LOW	1132
TH25	4.9130	0.3380	0.3855	97	178	272	547	LOW	1133
RD20	4.6657	0.2957	0.4381	76	103	364	543	LOW	1134
NE23	5.4009	0.3370	0.3492	154	175	211	540	LOW	1135
TC04	3.7800	0.2786	0.4821	18	76	441	535	LOW	1136
NE52	4.7883	0.2912	0.4339	83	92	357	532	LOW	1137
JU54	4.1416	0.2571	0.4849	30	53	447	530	LOW	1138
NE27	5.3257	0.3575	0.3233	143	212	171	526	LOW	1139
NE44	5.3565	0.3891	0.2538	150	284	80	514	LOW	1140
RA24	4.8866	0.3578	0.3415	90	215	204	509	LOW	1141
TH08	5.1372	0.3295	0.3572	121	161	227	509	LOW	1142
NE41	5.3009	0.3188	0.3527	140	143	220	503	LOW	1143
NE76	7.0164	0.2848	0.2479	338	83	76	497	LOW	1144

2020 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			
TH21	5.1586	0.2715	0.4102	123	65	309	497	LOW	1145
NE63	4.1346	0.2455	0.4747	29	38	429	496	LOW	1146
TH34	4.3546	0.3255	0.3999	44	154	294	492	LOW	1147
TH17	3.4013	0.2084	0.4930	11	14	464	489	LOW	1148
TH31	4.6443	0.3054	0.4014	73	113	297	483	LOW	1149
RU48	5.0729	0.3235	0.3494	117	151	213	481	LOW	1150
CU03	5.5585	0.3335	0.2976	173	170	136	479	LOW	1151
TH06	4.4238	0.2617	0.4422	51	56	372	479	LOW	1152
JA43	5.6190	0.3753	0.2030	179	252	38	469	LOW	1153
RA10	5.0264	0.3405	0.3235	111	185	172	468	LOW	1154
TC07	4.4851	0.2863	0.4181	54	86	328	468	LOW	1155
TC21	5.7883	0.3327	0.2784	192	169	106	467	LOW	1156
NE39	4.3483	0.2732	0.4307	41	69	352	462	LOW	1157
RU44	4.6589	0.2458	0.4243	75	40	340	455	LOW	1158
RD31	4.9028	0.3224	0.3404	93	147	202	442	LOW	1159
NE48	4.5808	0.2930	0.3911	63	96	282	441	LOW	1160
NE64	4.8419	0.3100	0.3535	87	124	222	433	LOW	1161
RU45	4.6191	0.2687	0.3989	66	62	293	421	LOW	1162
PS71	5.7997	0.3070	0.2824	193	115	111	419	LOW	1163
RA14	4.8370	0.3212	0.3301	86	145	185	416	LOW	1164
RU53	5.1607	0.1886	0.3822	124	9	267	400	LOW	1165
RU47	5.0719	0.3140	0.3040	116	131	145	392	LOW	1166
RD30	4.5373	0.2338	0.4051	58	28	303	389	LOW	1167
RL17	4.8949	0.2391	0.3779	91	33	260	384	LOW	1168
RD07	4.9757	0.3027	0.3218	103	109	168	380	LOW	1169

2020 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			
VAHU6									
NE77	4.9497	0.3290	0.2611	101	159	89	349	LOW	1170
RD27	4.9059	0.2664	0.3329	96	60	191	347	LOW	1171
RA11	3.5729	0.2547	0.3812	14	52	264	330	LOW	1172
TH24	4.5595	0.2760	0.3344	61	73	194	328	LOW	1173
RD28	4.5116	0.2527	0.3513	56	49	217	322	LOW	1174
TH04	4.2815	0.2475	0.3666	39	42	239	320	LOW	1175
RU02	4.5438	0.3050	0.3053	60	112	147	319	LOW	1176
TH28	4.4176	0.3079	0.3114	49	117	153	319	LOW	1177
RU38	4.9038	0.3226	0.2291	95	148	57	300	LOW	1178
NE79	3.9571	0.2418	0.3686	20	36	241	297	LOW	1179
RA03	3.7226	0.2380	0.3693	16	31	244	291	LOW	1180
RA09	3.4955	0.2502	0.3531	12	45	221	278	LOW	1181
RD39	5.3553	0.2346	0.2689	149	29	98	276	LOW	1182
TH03	4.5131	0.3090	0.2695	57	119	99	275	LOW	1183
CM07	4.4674	0.3258	0.2362	52	155	65	272	LOW	1184
NE86	4.3066	0.2380	0.3372	40	30	198	268	LOW	1185
TH02	4.6298	0.3092	0.2476	70	120	74	264	LOW	1186
NE72	4.7800	0.3132	0.2150	82	128	49	259	LOW	1187
RD42	4.7386	0.2904	0.2492	79	91	78	248	LOW	1188
RU43	4.3761	0.2396	0.3207	46	34	167	247	LOW	1189
RU27	3.1110	0.1913	0.3557	8	10	225	243	LOW	1190
NE81	3.6626	0.2514	0.3254	15	47	177	239	LOW	1191
NE88	3.8296	0.2428	0.3295	19	37	183	239	LOW	1192
NE73	3.9871	0.2247	0.3345	21	21	195	237	LOW	1193
RU51	4.0641	0.2134	0.3370	22	15	197	234	LOW	1194

2020 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			
VAHU6									
RU40	2.5615	0.1696	0.3518	6	7	219	232	LOW	1195
RA02	4.1064	0.2509	0.3118	28	46	155	229	LOW	1196
RU19	3.5091	0.1849	0.3420	13	8	205	226	LOW	1197
RD33	4.0683	0.2390	0.3152	23	32	157	212	LOW	1198
NE78	4.5917	0.2941	0.2148	64	99	48	211	LOW	1199
RA13	3.3377	0.2043	0.3306	9	13	186	208	LOW	1200
TH16	4.1782	0.2171	0.3161	32	16	158	206	LOW	1201
JM01	4.0976	0.3103	0.1941	26	126	36	188	LOW	1202
RU54	4.0758	0.2243	0.3013	24	20	142	186	LOW	1203
RU50	4.4176	0.2793	0.2151	48	77	50	175	LOW	1204
NE67	4.2675	0.2458	0.2654	37	39	97	173	LOW	1205
NE66	4.3510	0.2498	0.2573	42	44	84	170	LOW	1206
NE80	4.1633	0.2923	0.2068	31	94	42	167	LOW	1207
JM02	4.0844	0.2783	0.2293	25	75	58	158	LOW	1208
RU17	2.3390	0.1461	0.3000	5	5	140	150	LOW	1209
RU39	3.3393	0.1980	0.2818	10	11	110	131	LOW	1210
RU41	2.6030	0.1595	0.2650	7	6	96	109	LOW	1211
RU52	2.1706	0.1344	0.2608	4	4	88	96	LOW	1212
RA12	3.7499	0.2530	0.1395	17	50	14	81	LOW	1213
RU49	2.0363	0.1223	0.2311	3	3	59	65	LOW	1214
BS05	1.7180	0.0878	0.1856	2	2	32	36	LOW	1215
AO01	0.0000	0.0000	0.0000	1	1	1	3	LOW	1216
AO03	0.0000	0.0000	0.0000	1	1	1	3	LOW	1217
AO05	0.0000	0.0000	0.0000	1	1	1	3	LOW	1218
AO12	0.0000	0.0000	0.0000	1	1	1	3	LOW	1219

2020 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			
VAHU6									
AO16	0.0000	0.0000	0.0000	1	1	1	3	LOW	1220
AO19	0.0000	0.0000	0.0000	1	1	1	3	LOW	1221
AO20	0.0000	0.0000	0.0000	1	1	1	3	LOW	1222
AO22	0.0000	0.0000	0.0000	1	1	1	3	LOW	1223
AO25	0.0000	0.0000	0.0000	1	1	1	3	LOW	1224
CB27	0.0000	0.0000	0.0000	1	1	1	3	LOW	1225
CB28	0.0000	0.0000	0.0000	1	1	1	3	LOW	1226
CB34	0.0000	0.0000	0.0000	1	1	1	3	LOW	1227
CB37	0.0000	0.0000	0.0000	1	1	1	3	LOW	1228
JL50	0.0000	0.0000	0.0000	1	1	1	3	LOW	1229
JU16	0.0000	0.0000	0.0000	1	1	1	3	LOW	1230
NE89	0.0000	0.0000	0.0000	1	1	1	3	LOW	1231
NE90	0.0000	0.0000	0.0000	1	1	1	3	LOW	1232
PL27	0.0000	0.0000	0.0000	1	1	1	3	LOW	1233
PL28	0.0000	0.0000	0.0000	1	1	1	3	LOW	1234
PU21	0.0000	0.0000	0.0000	1	1	1	3	LOW	1235
TH05	0.0000	0.0000	0.0000	1	1	1	3	LOW	1236
TH46	0.0000	0.0000	0.0000	1	1	1	3	LOW	1237
TP01	0.0000	0.0000	0.0000	1	1	1	3	LOW	1238
TP03	0.0000	0.0000	0.0000	1	1	1	3	LOW	1239
TP19	0.0000	0.0000	0.0000	1	1	1	3	LOW	1240

**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	HIGH	4887.500407	0.005870222
CB	1	TIDEWATER	MED	28995.3885	0.035055269
CB	1	TIDEWATER	LOW	2953.52736	0.003588317
CB	2	THOMAS JEFFERSON	HIGH	7127.917333	0.008561115
CB	2	THOMAS JEFFERSON	MED	46984.33914	0.056803814
CB	2	THOMAS JEFFERSON	LOW	147393.4072	0.179072075
CB	3	SOUTHSIDE	HIGH	0	0
CB	3	SOUTHSIDE	MED	0	0
CB	3	SOUTHSIDE	LOW	59.2441269	7.19772E-05
CB	4	NATURAL BRIDGE	HIGH	484.8315415	0.000582316
CB	4	NATURAL BRIDGE	MED	11375.03248	0.013752353
CB	4	NATURAL BRIDGE	LOW	69520.19377	0.084461887
CB	5	PIEDMONT	HIGH	7269.355424	0.008730992
CB	5	PIEDMONT	MED	47203.49882	0.057068777
CB	5	PIEDMONT	LOW	38975.51323	0.047352362
CB	6	BLUE RIDGE	HIGH	0	0
CB	6	BLUE RIDGE	MED	0	0
CB	6	BLUE RIDGE	LOW	3202.866795	0.003891246
CB	7	CULPEPER	HIGH	85333.42485	0.102491266
CB	7	CULPEPER	MED	82575.72283	0.099833606
CB	7	CULPEPER	LOW	95208.80451	0.115671647
CB	8	NORTHERN NECK	HIGH	71099.79046	0.0853957
CB	8	NORTHERN NECK	MED	35455.53411	0.042865551
CB	8	NORTHERN NECK	LOW	0	0
CB	9	SHENANDOAH VALLEY	HIGH	141140.4741	0.169519341
CB	9	SHENANDOAH VALLEY	MED	63642.27635	0.076943171

CB	9	SHENANDOAH VALLEY	LOW	1325.292216	0.001610132
CB	10	ROBERT E. LEE	HIGH	1114.535414	0.001338633
CB	10	ROBERT E. LEE	MED	14126.19284	0.017078491
CB	10	ROBERT E. LEE	LOW	58575.90997	0.071165393
CB	12	JAMES RIVER	HIGH	8349.322225	0.010028106
CB	12	JAMES RIVER	MED	5784.618802	0.006993573
CB	12	JAMES RIVER	LOW	3447.4099	0.004188348
CB	13	LORD FAIRFAX	HIGH	70161.11057	0.084268281
CB	13	LORD FAIRFAX	MED	85749.41249	0.10367058
CB	13	LORD FAIRFAX	LOW	79542.32744	0.096638037
CB	14	SKYLINE	HIGH	0	0
CB	14	SKYLINE	MED	0	0
CB	14	SKYLINE	LOW	165.175844	0.000200676
CB	15	PEANUT	HIGH	44185.12398	0.053069349
CB	15	PEANUT	MED	11384.62066	0.013763945
CB	15	PEANUT	LOW	0	0
CB	16	MOUNTAIN	HIGH	1295.888387	0.00155645
CB	16	MOUNTAIN	MED	20471.95086	0.024750479
CB	16	MOUNTAIN	LOW	63791.36539	0.077501785
CB	17	TRI-COUNTY/CITY	HIGH	23937.66828	0.028750773
CB	17	TRI-COUNTY/CITY	MED	28550.05699	0.034516866
CB	17	TRI-COUNTY/CITY	LOW	2578.416518	0.003132585
CB	18	COLONIAL	HIGH	31860.55164	0.038266697
CB	18	COLONIAL	MED	2291.081763	0.002769906
CB	18	COLONIAL	LOW	1641.633487	0.001994463
CB	20	EASTERN SHORE	HIGH	0	0
CB	20	EASTERN SHORE	MED	63149.85176	0.076347832
CB	20	EASTERN SHORE	LOW	0	0
CB	21	NORTHERN VIRGINIA	HIGH	48.05920122	5.77224E-05
CB	21	NORTHERN VIRGINIA	MED	1179.969752	0.001426577
CB	21	NORTHERN VIRGINIA	LOW	2204.235973	0.002677983
CB	22	VIRGINIA DARE	HIGH	0	0
CB	22	VIRGINIA DARE	MED	4514.884815	0.005458472
CB	22	VIRGINIA DARE	LOW	0.002554824	3.10392E-09
CB	30	HANOVER-CAROLINE	HIGH	79252.26923	0.095187383
CB	30	HANOVER-CAROLINE	MED	12363.3455	0.014947218
CB	30	HANOVER-CAROLINE	LOW	990.3269752	0.001203174



CB	32	JOHN MARSHALL	HIGH	19665.95158	0.02362015
CB	32	JOHN MARSHALL	MED	71228.12429	0.086114421
CB	32	JOHN MARSHALL	LOW	50224.69917	0.06101929
CB	34	PEAKS OF OTTER	HIGH	0	0
CB	34	PEAKS OF OTTER	MED	0	0
CB	34	PEAKS OF OTTER	LOW	6945.207093	0.008437912
CB	35	PRINCE WILLIAM	HIGH	6940.877009	0.008336467
CB	35	PRINCE WILLIAM	MED	14822.35392	0.017920146
CB	35	PRINCE WILLIAM	LOW	330.9806667	0.000402117
CB	36	LOUDOUN	HIGH	3718.615613	0.004466311
CB	36	LOUDOUN	MED	30306.23712	0.036640078
CB	36	LOUDOUN	LOW	70128.24576	0.085200625
CB	38	MONACAN	HIGH	11376.49468	0.013663946
CB	38	MONACAN	MED	33314.7763	0.040277386
CB	38	MONACAN	LOW	7869.867931	0.009561307
CB	39	PETER FRANCISCO	HIGH	1737.232452	0.002086535
CB	39	PETER FRANCISCO	MED	32315.2573	0.039068973
CB	39	PETER FRANCISCO	LOW	41970.5606	0.050991123
CB	40	HENRICOPOLIS	HIGH	9187.209261	0.011034465
CB	40	HENRICOPOLIS	MED	1416.786028	0.001712887
CB	40	HENRICOPOLIS	LOW	362.5589037	0.000440482
CB	41	HEADWATERS	HIGH	106146.8486	0.127489608
CB	41	HEADWATERS	MED	63139.63876	0.076335485
CB	41	HEADWATERS	LOW	20776.37295	0.025241755
CB	42	APPOMATTOX RIVER	HIGH	768.7443223	0.000923314
CB	42	APPOMATTOX RIVER	MED	4332.950834	0.005238514
CB	42	APPOMATTOX RIVER	LOW	349.8932562	0.000425094
CB	43	THREE RIVERS	HIGH	93325.09434	0.112089807
CB	43	THREE RIVERS	MED	6673.790315	0.008068577
CB	43	THREE RIVERS	LOW	0	0
CB	45	MOUNTAIN CASTLES	HIGH	2177.270165	0.00261505
CB	45	MOUNTAIN CASTLES	MED	3785.831985	0.004577051
CB	45	MOUNTAIN CASTLES	LOW	52561.39577	0.063858203
OCB	3	SOUTHSIDE	HIGH	112.7137361	0.000663188
OCB	3	SOUTHSIDE	MED	36307.41155	0.061162604
OCB	3	SOUTHSIDE	LOW	57670.07314	0.040182884
OCB	5	PIEDMONT	HIGH	0	0

OCB	5	PIEDMONT	MED	2708.947953	0.004563429
OCB	5	PIEDMONT	LOW	10899.76487	0.007594649
OCB	6	BLUE RIDGE	HIGH	0	0
OCB	6	BLUE RIDGE	MED	28005.99304	0.047178231
OCB	6	BLUE RIDGE	LOW	99411.38664	0.069267056
OCB	10	ROBERT E. LEE	HIGH	0	0
OCB	10	ROBERT E. LEE	MED	38280.03375	0.064485637
OCB	10	ROBERT E. LEE	LOW	39550.13987	0.027557424
OCB	11	NEW RIVER	HIGH	0	0
OCB	11	NEW RIVER	MED	2621.184822	0.004415586
OCB	11	NEW RIVER	LOW	146698.5189	0.102215399
OCB	12	JAMES RIVER	HIGH	9642.828369	0.056736693
OCB	12	JAMES RIVER	MED	1200.894552	0.002022998
OCB	12	JAMES RIVER	LOW	295.862069	0.000206148
OCB	14	SKYLINE	HIGH	456.3285621	0.002684956
OCB	14	SKYLINE	MED	5591.585806	0.009419453
OCB	14	SKYLINE	LOW	194732.173	0.135683898
OCB	15	PEANUT	HIGH	30499.70525	0.17945486
OCB	15	PEANUT	MED	54078.46902	0.091099306
OCB	15	PEANUT	LOW	0	0
OCB	19	CHOWAN BASIN	HIGH	93355.44244	0.549286878
OCB	19	CHOWAN BASIN	MED	74314.33607	0.125188168
OCB	19	CHOWAN BASIN	LOW	3245.530531	0.002261394
OCB	20	EASTERN SHORE	HIGH	1413.089252	0.008314367
OCB	20	EASTERN SHORE	MED	45668.45257	0.076931992
OCB	20	EASTERN SHORE	LOW	0	0
OCB	22	VIRGINIA DARE	HIGH	42.04510977	0.000247386
OCB	22	VIRGINIA DARE	MED	57212.50783	0.096378833
OCB	22	VIRGINIA DARE	LOW	0	0
OCB	23	HOLSTON RIVER	HIGH	0	0
OCB	23	HOLSTON RIVER	MED	2466.851707	0.0041556
OCB	23	HOLSTON RIVER	LOW	103523.3069	0.072132127
OCB	24	DANIEL BOONE	HIGH	10681.73705	0.062849448
OCB	24	DANIEL BOONE	MED	53763.47527	0.090568675
OCB	24	DANIEL BOONE	LOW	0	0
OCB	25	CLINCH VALLEY	HIGH	0	0
OCB	25	CLINCH VALLEY	MED	0	0

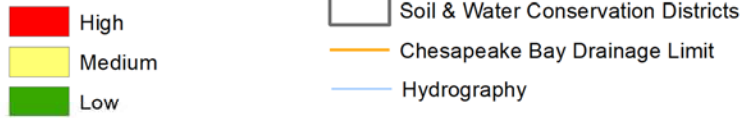
OCB	25	CLINCH VALLEY	LOW	87570.94866	0.061016972
OCB	26	SCOTT COUNTY	HIGH	102.7728656	0.000604697
OCB	26	SCOTT COUNTY	MED	29250.61563	0.049274893
OCB	26	SCOTT COUNTY	LOW	35216.98969	0.024538207
OCB	27	LONESOME PINE	HIGH	0	0
OCB	27	LONESOME PINE	MED	224.145551	0.00037759
OCB	27	LONESOME PINE	LOW	20812.52893	0.014501584
OCB	28	EVERGREEN	HIGH	0	0
OCB	28	EVERGREEN	MED	0	0
OCB	28	EVERGREEN	LOW	64963.79496	0.045264944
OCB	29	TAZEWELL	HIGH	0	0
OCB	29	TAZEWELL	MED	0	0
OCB	29	TAZEWELL	LOW	64950.38467	0.0452556
OCB	31	PITTSYLVANIA	HIGH	6773.606838	0.039854702
OCB	31	PITTSYLVANIA	MED	61051.85147	0.102846501
OCB	31	PITTSYLVANIA	LOW	74458.13513	0.051880333
OCB	33	HALIFAX	HIGH	19.95938022	0.000117437
OCB	33	HALIFAX	MED	27045.10404	0.045559541
OCB	33	HALIFAX	LOW	68615.69293	0.047809484
OCB	34	PEAKS OF OTTER	HIGH	0	0
OCB	34	PEAKS OF OTTER	MED	0	0
OCB	34	PEAKS OF OTTER	LOW	104199.1397	0.072603028
OCB	37	BIG WALKER	HIGH	0	0
OCB	37	BIG WALKER	MED	0	0
OCB	37	BIG WALKER	LOW	135584.1868	0.094471245
OCB	42	APPOMATTOX RIVER	HIGH	7546.888646	0.044404555
OCB	42	APPOMATTOX RIVER	MED	13930.40813	0.023466835
OCB	42	APPOMATTOX RIVER	LOW	10968.81889	0.007642764
OCB	44	PATRICK	HIGH	0	0
OCB	44	PATRICK	MED	4688.483217	0.007898108
OCB	44	PATRICK	LOW	40393.86206	0.028145306
OCB	45	MOUNTAIN CASTLES	HIGH	0	0
OCB	45	MOUNTAIN CASTLES	MED	70.2974991	0.000118421
OCB	45	MOUNTAIN CASTLES	LOW	15571.04663	0.010849467
OCB	46	LAKE COUNTRY	HIGH	9310.415041	0.054780832
OCB	46	LAKE COUNTRY	MED	55140.03693	0.092887598
OCB	46	LAKE COUNTRY	LOW	51336.40851	0.035769765

OCB	47	BIG SANDY	HIGH	0	0
OCB	47	BIG SANDY	MED	0	0
OCB	47	BIG SANDY	LOW	4521.306075	0.003150319

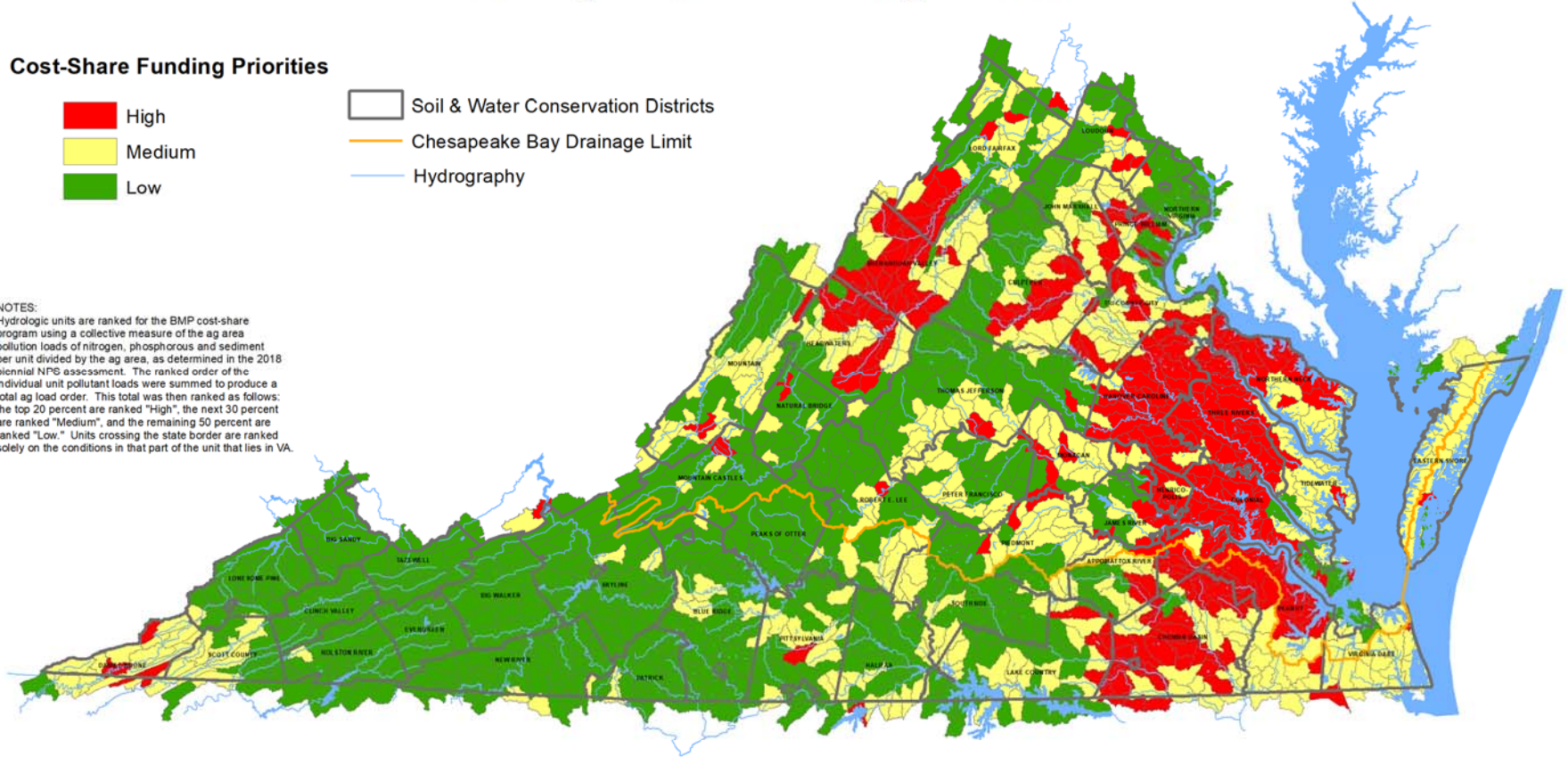
# Virginia's Agricultural BMP Cost-Share Funding Priorities

## Total Agricultural Unit Ranking - PY2022

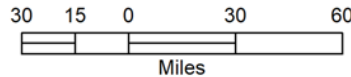
### Cost-Share Funding Priorities



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 2018 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, VADEQ & USEPA  
 HYDROLOGIC UNIT BOUNDARIES: VADCR  
 S&W CONSERVATION DISTRICT BOUNDARIES: VADCR  
 HYDROGRAPHY: USGS



31 March 2021

