



POLICY AND PROCEDURES ON SOIL AND WATER CONSERVATION DISTRICT COST-SHARE AND TECHNICAL ASSISTANCE FUNDING ALLOCATIONS (FISCAL YEAR 2017)

VIRGINIA SOIL AND WATER CONSERVATION BOARD

(Approved by Board May 24, 2016)

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 2017 or FY17). 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 Grant Agreement guiding the distribution and disbursement of these funds will be for a two-year grant period, FY17 and FY18. A separate Board Policy governs the FY17 distribution of administrative and operational support funds to Districts.

2. Cost-share Program Mission and Eligibility:

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

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

Readers should refer to the *Program Year 2017 Virginia Agricultural Cost Share (VACS) BMP Manual* for additional requirements associated with the implementation of the Virginia Agricultural Best Management Practices Cost-Share Program.

3. Authority:

This funding distribution Policy has been developed to provide transparency, predictability, and consistency to the processes by which the cost-share and technical assistance funding set out in Items 364 B and D of Chapter 780 of the 2016 Virginia Acts of Assembly (the 2016 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 364:

B.1. Notwithstanding § 10.1-2129 A., Code of Virginia, \$61,708,800 the first year from the general fund shall be deposited to the Virginia Water Quality Improvement Fund established under the Water Quality Improvement Act of 1997. Of this amount, \$1,650,000 shall be appropriated to the department for the following specified statewide uses: \$800,000 shall be used for the Commonwealth's match for participation in the Federal Conservation Enhancement Program (CREP), up to \$500,000 may be utilized to develop a financial tracking and reporting module as part of the Agricultural Best Management Practices Database and to make necessary database revisions, \$250,000 shall be transferred to the Department of Forestry for water quality grants, and \$100,000 shall be utilized as cost-share for the development of nutrient management plans for golf courses. The Department of Forestry shall submit a report by August 15, 2017, to the Department of Conservation and Recreation specifying uses of funds received. Pursuant to paragraph B of Item 363, \$8,244,210 is designated for deposit to the reserve within the Virginia Water Quality Improvement Fund.

2. Of the remaining amount, \$51,814,590 is authorized for transfer to the Virginia Natural Resources Commitment Fund, a subfund 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: \$25,990,198 for Agricultural Best Management Practices Cost-Share Assistance where of this amount \$15,594,119 shall be used for matching grants for Agricultural Best Management Practices on lands in the Commonwealth exclusively or partly within the Chesapeake Bay watershed, \$10,396,079 shall be used for matching grants for Agricultural Best Management Practices on lands in the Commonwealth exclusively outside the Chesapeake Bay watershed, and \$6,217,751 shall be appropriated for Technical Assistance for Virginia Soil and Water Conservation Districts.

3. Of the remaining amount, \$19,606,641 shall be appropriated for the implementation of previously approved livestock stream exclusion practices. Of this amount, \$9,803,321 shall be used for practices on lands in the Commonwealth exclusively or partly within the Chesapeake Bay watershed, and \$9,803,320 shall be used for practices on lands in the Commonwealth exclusively outside the Chesapeake Bay watershed.

4. This appropriation meets the mandatory deposit requirements associated with the FY 2015 excess general fund revenue collections and discretionary year-end general fund balances.

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

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

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

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

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

In addition to the authorities set out in the 2016 Appropriation Act, the Code of Virginia contains the following Board and Department duties applicable to this Policy:

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

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

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

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

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

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

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

A. There is hereby established in the state treasury a special permanent, nonreverting fund, to be known as the "Virginia Water Quality Improvement Fund." The Fund shall be established on the books of the Comptroller. The Fund shall consist of sums appropriated to it by the General Assembly which shall include, unless otherwise provided in the general appropriation act, 10 percent of the annual general fund revenue collections that are in excess of the official estimates in the general appropriation

act and 10 percent of any unrestricted and uncommitted general fund balance at the close of each fiscal year whose reappropriation is not required in the general appropriation act. The Fund shall also consist of such other sums as may be made available to it from any other source, public or private, and shall include any penalties or damages collected under this article, federal grants solicited and received for the specific purposes of the Fund, and all interest and income from investment of the Fund. Any sums remaining in the Fund, including interest thereon, at the end of each fiscal year shall not revert to the general fund but shall remain in the Fund. All moneys designated for the Fund shall be paid into the state treasury and credited to the Fund. Moneys in the Fund shall be used solely for Water Quality Improvement Grants.

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

A. There is hereby created in the state treasury a special nonreverting fund to be known as the Virginia Natural Resources Commitment Fund hereafter referred to as "the Subfund," which shall be a subfund of the Virginia Water Quality Improvement Fund and administered by the Department of Conservation and Recreation. The Subfund shall be established on the books of the Comptroller. All amounts appropriated and such other funds as may be made available to the Subfund from any other source, public or private, shall be paid into the state treasury and credited to the Subfund. Interest earned on moneys in the Subfund shall remain in the Subfund and be credited to it. Any moneys remaining in the Subfund, including interest thereon, at the end of each fiscal year shall not revert to the general fund but shall remain in the Subfund. Moneys in the Subfund shall be used as provided in subsection B solely for the Virginia Agricultural Best Management Practices Cost-Share Program administered by the Department of Conservation and Recreation.

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

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

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

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

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

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

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

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

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

4. Definitions:

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

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

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

Beef	Dairy	Swine	Layer	Sheep	Goat
Horse	Turkey	Broiler	Pullets	Other	

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

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

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

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

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

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

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

5. Allocation Process for Cost-share:

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

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

(See **TABLE 1**)

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

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

(SEE **TABLE 2**)

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

(SEE **TABLE 3**)

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

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

(SEE **TABLE 4**)

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

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

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

For FY17, \$61,708,800 in new funding is being deposited to the Water Quality Improvement Fund in accordance with Item 364 B. of the 2016 Appropriation Act (See Part 2, Authority). Of this amount, distributions are directed as follows:

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

Water Quality Program	Program Distributions
WQIF (Total Surplus Deposit)	\$61,708,800
WQIF (Total WQIF Reserve and Special General Fund deposit)	\$0
• Earmark for Nutrient Management Plans for Golf Courses*	\$100,000
• Earmark for Department of Forestry for Water Quality Grants*	\$250,000
• Earmark for Financial Tracking Module	\$500,000
• Earmark for Commonwealth’s match to federal Conservation Reserve Enhancement Program (CREP)*	\$800,000
• Deposit to WQIF Reserve	\$8,244,210
• Transfers to the Virginia Natural Resources Commitment Fund	\$51,814,590
o Technical Assistance for Virginia Soil and Water Conservation Districts	\$6,217,751
o Agricultural Best Management Practices Cost-Share Assistance	\$45,596,839

* Earmarks are available for “statewide uses”.

For FY17, \$60,014,590 in new funding (Item 364 B. and D. – see Part 2, Authority) is available for allocations to the Districts for cost-share and technical assistance.

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

Funding Source	Total	Cost-share Portion of Total	Technical Assistance Portion of Total
WQIF (Surplus deposit)	\$51,814,590	\$45,596,839	\$6,217,751**
WQIF (Reserve and special GF deposit)	\$0	\$0	\$0
Recordation Fee*	\$8,200,000*	\$7,000,000	\$1,200,000
Fund and Subfund Interest	\$0	\$0	\$0
TOTAL	\$60,014,590	\$52,596,839	\$7,417,751

* The 2016 Appropriation Act (Item 364 D. – see Part 2, Authority) provides for \$10,000,000 in Appropriation from the recordation tax fee. Because of reduced actual revenue being recognized historically and the potential for the shortfall to continue into FY17, a conservative approach is being taken towards allocations and only \$8,200,000 is being utilized for budgeting purposes.

** The 2016 Appropriation Act (Item 364 B. – see Part 2, Authority) utilizes 12% for the formulation of Technical Assistance Amounts to be allocated from the Surplus Deposit.

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

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

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

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

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

For FY17, the multipliers are applied to the Recordation cost-share amounts. The 2016 Appropriation Act specifies the distributions for the WQIF Surplus Deposit. Distributions within the CB and OCB shall be as follows:

TABLE 3: FY17 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*
Surplus	\$51,814,590	\$45,596,839	\$25,397,440	\$20,199,399
Special Reserve and GF Deposit	\$0	\$0	\$0	\$0
Recordation Fee	\$8,200,000	\$7,000,000	\$4,184,783	\$2,815,217
TOTAL	\$60,014,590	\$52,596,839	\$29,582,223	\$23,014,616

* Amounts rounded to the nearest dollar.

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

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

TABLE 4: FY17 Cost-share Spending Plan by Drainage Basin and Fund Source

Program Element	Cost-share Portion Allocated to Lands Exclusively or Partly Within the CB (Surplus)	Cost-share Portion Allocated to Lands Exclusively or Partly Within the CB (WQIF Reserve and Special GF Deposit)	Cost-share Portion Allocated to Lands Exclusively or Partly Within the CB (Recordation Fee)	Cost-share Portion Allocated to Lands Exclusively OCB (Surplus)	Cost-share Portion Allocated to Lands Exclusively or Partly Within the OCB (WQIF Reserve and Special GF Deposit)	Cost-share Portion Allocated to Lands Exclusively OCB (Recordation Fee)	Totals
Total Available	\$25,397,440	\$0	\$4,184,783	\$20,199,399	\$0	\$2,815,217	\$52,596,839
Spending Plan Distribution:							
RMP	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SL-6*	\$9,803,321	\$0	\$4,184,783	\$9,803,320	\$0	\$2,815,217	\$26,606,641
Central Service Adjustments	\$0	\$0	\$0	\$0	\$0	\$0	\$0
VACS	\$15,594,119	\$0	\$0	\$10,396,079	\$0	\$0	\$25,990,198

* The 2016 Appropriation Act (Item 364 B. – see Part 2, Authority) specifies the amount to be allocated to SL-6s.

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 FY14, FY15, and FY16 funds are authorized to be carried forward to FY17, and no new earmark is being made. These funds may be utilized to contract for plan development and implementation. A fundamental goal of the Resource Management Plan Program pursuant to § 10.1-104.8 of the Code of Virginia is for the RMP plans to include “agricultural best management practices sufficient to implement the Virginia Chesapeake Bay TMDL Watershed Implementation Plan and other local TMDL water quality requirements of the Commonwealth”. The intent of the program is to encourage farm owners and operators to voluntarily implement a high level of BMPs on their farmlands in order to be protective of water quality.

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

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

SL-6 (Allocation Step D2)

In the FY14 and the FY15 Policies, Districts were authorized to provide 100% reimbursement for the stream exclusion practice SL-6 (100% cost-share rate and no cap) and it was stipulated that all participant enrollments received during this two-year period would be honored as cost-share funds become available. In FY16 a producer match for new applications was reinstated for SL-6 that will be maintained in FY17; an 80% cost-share rate with a \$70,000 cap.

In order to work towards a reduction in the remaining FY15 SL-6 “Pending” applications, two actions are being taken in FY17.

- 1) In order to retire those “Pending” applications from FY15, \$26,606,641 is being allocated in FY17 to SL-6s; \$13,988,104 in the CB and \$12,618,537 in the OCB. Technical Assistance shall accompany this funding. Any producer with a “Pending” application that has not initiated construction or negotiated and signed contract(s) to install the practice by the end of ninety (90) days after being offered cost-share funds, shall be cancelled by the District. Any funds remaining after the FY15 “Pending” applications have been retired or cancelled, shall stay in the District and be applied to existing FY15 “Pending” applications within that District so long as unfunded SL-6 Pending practice applications exist within the District, (FY15 CEF rankings shall be utilized to prioritize projects funded.) In the event that SL-6 allocation balances remain in a District upon retirement or cancellation of FY14 and FY15 SL-6 “Pending” applications, and such funding cannot be used within the District for other remaining FY15 “Pending” applications, such funding shall be transferred on or before the end of FY18 to other Districts (in accordance with financial processes) within the same basin to be applied to “Pending” applications that may remain. Technical Assistance shall accompany SL-6 cost-share transfers.
- 2) Districts are free to utilize their 2017 VACS cost-share allocation to fund SL-6 “Pending” practices from FY15. It is left to the Districts to determine whether they target the retirement of FY15 SL-6 commitments prior to satisfying new FY17 SL-6 commitments with their regular FY17 cost-share allocation. Each year’s eligible applications may only be compared to other projects from the same year and not between years so that CEF scores can be compared accurately. Any producer with a “Pending” application that has not initiated construction or negotiated and signed contract(s) to install the practice by the end of ninety (90) days after being offered cost-share funds, shall be cancelled by the District. This approach will allow Districts to work through their backlog of SL-6 “Pending” applications in a fair, consistent, and effective method statewide.

Also, at the end of FY16 and FY17, should any additional funding be available from unallocated recordation fee revenue, the Department may apply these funds towards addressing FY15 SL-6 “Pending” applications as well.

Central Service Adjustments (Allocation Step D3)

The Appropriation Act (Part 3: Miscellaneous) annually applies charges (interfund transfers) to each Agency for expenses incurred by central service agencies associated with Agency funds. For FY17, charges for nongeneral funds are \$178,208 from 0200 funds, as such, 0900 funds would not be subject to reductions. However, if a portion of these expenses did 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 D4)

For FY17, after the other noted distributions have been met in the spending plan (SEE TABLE 4), there is \$25,990,198 available for distribution as VACS cost-share. (Table 4 outlines the drainage basin split and fund sources.) Specific allocations to Districts in FY17 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) report for submission to the Environmental Protection Agency that typically includes an updated Nonpoint Source Assessment. Although the 2016 Nonpoint Source Assessment is under development, the 2014 Nonpoint Source Assessment still represents the most recent information available for use. The Department utilizes the agricultural component of the most current and approved NPS assessment to focus agricultural cost-share funds.

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

- Detailed land use from interpreted imagery supplemented with tillage practice data [For the purposes of the FY17 Policy, the land use has been updated although other components of the 2016 Nonpoint Source Assessment are not yet available.]
- Census of Agriculture data
- Virginia Agriculture Statistics
- Grazing and manure application practices
- Hydrologic soil groups
- Average water content and K factors of all soils
- Stream flows from gauge stations
- Climate records from a multi-state area, growing seasons
- Dominant crop types by hydrologic unit
- CB Watershed Model output
- Animal numbers by type and location
- Distribution and extent of agricultural conservation practices
- Slope and manure application schedules by manure types

Additional technical information regarding modeling processes are set out in Department documents titled: *2014 NPS Assessment and Prioritization Primer* and *Nonpoint Source Assessment and Prioritization: 2010 Prioritization Documentation*

The computer model estimates and ranks the pollutant loads of nitrogen, phosphorus, and sediment in each of the 1,247 6th-order hydrologic units of the National Watershed Boundary Dataset (NWBD). Each of the three per hectare agricultural pollutant loads are sorted Low to High and assigned their sort order for each HU. The rank score of a HU is the sum of these three values. For example:

Hydrologic Unit (HU) – (VAHU6)	Pollutant Load –Nitrogen (NSEQ)	Pollutant Load – Phosphorus (PSEQ)	Pollutant Load – Sediment (SSEQ)	Sum (NSEQ + PSEQ + SSEQ)	Agricultural Pollutant Potential Rank
JL15	1226	1238	1227	3691	High (H)
JU78	973	853	888	2714	Medium (M)
JR02	589	406	855	1850	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 FY17 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).

For FY17 (see **Attachment A**) the data breaks were as follows:

TABLE 5: Agricultural Pollutant Potential Ranking

Agricultural Pollutant Potential Rank	# of HUs included	% of HUs included	% of Ag land	Sum Order Range
H	254	20.369	16.517	2716 - 3691
M	373	29.912	27.917	1852 - 2714
L	620	49.719	55.566	3 - 1850
Total	1247	100.000	100.000	

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

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

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

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

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

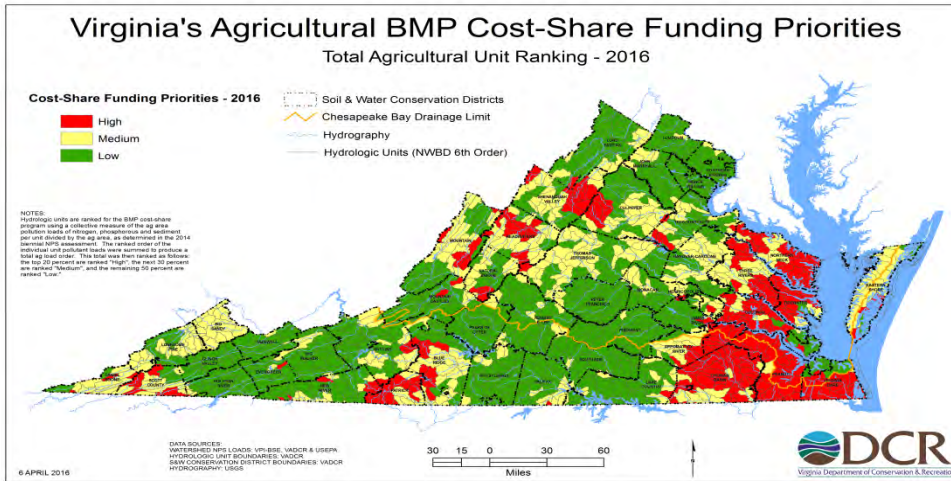


FIGURE 1: Virginia’s Agricultural BMP Cost-share Funding Priorities

Utilizing the information in **Attachment C**, the next step is to determine how much of the available cost-share by drainage basin and funding type will be proportioned to H, M, and L HU areas. Percentage allocations are based on providing a high percentage of the funding to the waters with the most pollutant load based on nitrogen, phosphorus, and sediment. For FY17, the H ranked HUs are assigned 50 percent of the cost-share funds. The M ranked HUs are assigned 30 percent of the cost-share funds, while the L ranked HUs are assigned 20 percent of the cost-share funds.

TABLE 6: FY16 Cost-share Allocations by Drainage Basin; Fund Source; and H, M, and L HU Areas

Program Element	Cost-share Portion Allocated to Lands Exclusively or Partly Within the CB (Surplus)	Cost-share Portion Allocated to Lands Exclusively or Partly Within the CB (Reserve and Special GF Deposit)	Cost-share Portion Allocated to Lands Exclusively or Partly Within the CB (Recordation Fee)	Cost-share Portion Allocated to Lands Exclusively OCB (Surplus)	Cost-share Portion Allocated to Lands Exclusively or Partly Within the OCB (Reserve and Special GF Deposit)	Cost-share Portion Allocated to Lands Exclusively OCB (Recordation Fee)	Totals
VACS (after spending plan distributions – see TABLE 4)	\$15,594,119	\$0	\$0	\$10,396,079	\$0	\$0	\$25,990,198
H (50%)	\$7,797,059	\$0	\$0	\$5,198,039	\$0	\$0	\$12,995,098
M (30%)	\$4,678,236	\$0	\$0	\$3,118,824	\$0	\$0	\$7,797,060
L (20%)	\$3,118,824	\$0	\$0	\$2,079,216	\$0	\$0	\$5,198,040

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

The following table shows FY17 District VACS and SL-6 cost-share allocations by drainage basin HU and under the cost-share total column, provides the cumulative cost-share allocations to each of the Districts. Columns are included that show the FY17 District cost-share allocations being allocated to FY15 SL-6 “Pending” allocations in the CB and OCB (See Discussion in Step D2).

TABLE 7: FY17 District Cost-share Allocations by Drainage Basin

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8
SWCD	VACS CB Total	VACS OCB Total	SL-6 CB Allocation	SL-6 OCB Allocation	FY17 CB Cost-Share Total (VACS and SL-6)	FY17 OCB Cost-Share Total (VACS and SL-6)	FY17 Cost- Share Total (VACS and SL-6)
APPOMATTOX RIVER	\$22,075	\$340,374	\$0	\$0	\$22,075	\$340,374	\$362,449
BIG SANDY	\$0	\$53,288	\$0	\$0	\$0	\$53,288	\$53,288
BIG WALKER	\$0	\$234,870	\$0	\$997,242	\$0	\$1,232,112	\$1,232,112
BLUE RIDGE	\$7,300	\$848,253	\$0	\$1,832,050	\$7,300	\$2,680,303	\$2,687,603
CHOWAN BASIN	\$0	\$2,038,472	\$0	\$50,000	\$0	\$2,088,472	\$2,088,472
CLINCH VALLEY	\$0	\$139,080	\$0	\$681,083	\$0	\$820,163	\$820,163
COLONIAL	\$635,967	\$0	\$0	\$0	\$635,967	\$0	\$635,967
CULPEPER	\$1,550,190	\$0	\$3,889,572	\$0	\$5,439,762	\$0	\$5,439,762
DANIEL BOONE	\$0	\$409,993	\$0	\$296,335	\$0	\$706,328	\$706,328
EASTERN SHORE	\$353,646	\$340,820	\$0	\$0	\$353,646	\$340,820	\$694,466
EVERGREEN	\$0	\$119,426	\$0	\$246,479	\$0	\$365,905	\$365,905
HALIFAX	\$0	\$247,860	\$0	\$0	\$0	\$247,860	\$247,860
HANOVER-CAROLINE	\$415,129	\$0	\$0	\$0	\$415,129	\$0	\$415,129
HEADWATERS	\$1,580,025	\$0	\$172,190	\$0	\$1,752,215	\$0	\$1,752,215
HENRICOPOLIS	\$97,069	\$0	\$0	\$0	\$97,069	\$0	\$97,069
HOLSTON RIVER	\$0	\$183,758	\$0	\$323,129	\$0	\$506,887	\$506,887
JAMES RIVER	\$250,359	\$188,925	\$0	\$0	\$250,359	\$188,925	\$439,284
JOHN MARSHALL	\$481,894	\$0	\$803,421	\$0	\$1,285,315	\$0	\$1,285,315
LAKE COUNTRY	\$0	\$297,120	\$0	\$0	\$0	\$297,120	\$297,120
LONESOME PINE	\$0	\$96,117	\$0	\$0	\$0	\$96,117	\$96,117
LORD FAIRFAX	\$779,975	\$0	\$520,652	\$0	\$1,300,627	\$0	\$1,300,627
LOUDOUN	\$322,214	\$0	\$143,192	\$0	\$465,406	\$0	\$465,406
MONACAN	\$178,455	\$0	\$623,672	\$0	\$802,127	\$0	\$802,127
MOUNTAIN	\$316,400	\$0	\$0	\$0	\$316,400	\$0	\$316,400
MOUNTAIN CASTLES	\$155,606	\$23,894	\$0	\$0	\$155,606	\$23,894	\$179,500
NATURAL BRIDGE	\$384,713	\$0	\$0	\$0	\$384,713	\$0	\$384,713
NEW RIVER	\$0	\$537,754	\$0	\$251,898	\$0	\$789,652	\$789,652
NORTHERN NECK	\$1,665,046	\$0	\$0	\$0	\$1,665,046	\$0	\$1,665,046
NORTHERN VIRGINIA	\$13,328	\$0	\$0	\$0	\$13,328	\$0	\$13,328

PATRICK	\$0	\$415,771	\$0	\$145,000	\$0	\$560,771	\$560,771
PEAKS OF OTTER	\$31,572	\$161,273	\$632,652	\$5,681,759	\$664,224	\$5,843,032	\$6,507,256
PEANUT	\$1,075,397	\$1,042,106	\$0	\$0	\$1,075,397	\$1,042,106	\$2,117,503
PETER FRANCISCO	\$173,050	\$0	\$201,379	\$0	\$374,429	\$0	\$374,429
PIEDMONT	\$238,028	\$22,659	\$111,011	\$0	\$349,039	\$22,659	\$371,698
PITTSYLVANIA	\$0	\$304,621	\$0	\$241,448	\$0	\$546,069	\$546,069
PRINCE WILLIAM	\$73,240	\$0	\$143,835	\$0	\$217,075	\$0	\$217,075
ROBERT E. LEE	\$218,300	\$178,172	\$3,554,168	\$491,065	\$3,772,468	\$669,237	\$4,441,705
SCOTT COUNTY	\$0	\$460,886	\$0	\$537,508	\$0	\$998,394	\$998,394
SHENANDOAH VALLEY	\$1,570,822	\$0	\$239,558	\$0	\$1,810,380	\$0	\$1,810,380
SKYLINE	\$559	\$612,921	\$0	\$246,544	\$559	\$859,465	\$860,024
SOUTHSIDE	\$106	\$174,712	\$0	\$0	\$106	\$174,712	\$174,818
TAZEWELL	\$0	\$112,014	\$0	\$596,997	\$0	\$709,011	\$709,011
THOMAS JEFFERSON	\$781,200	\$0	\$2,908,023	\$0	\$3,689,223	\$0	\$3,689,223
THREE RIVERS	\$1,096,189	\$0	\$0	\$0	\$1,096,189	\$0	\$1,096,189
TIDEWATER	\$678,912	\$0	\$0	\$0	\$678,912	\$0	\$678,912
TRI-COUNTY/CITY	\$370,279	\$0	\$44,779	\$0	\$415,058	\$0	\$415,058
VIRGINIA DARE	\$77,074	\$810,940	\$0	\$0	\$77,074	\$810,940	\$888,014
Grand Total	\$15,594,119	\$10,396,079	\$13,988,104	\$12,618,537	\$29,582,223	\$23,014,616	\$52,596,839

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

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

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

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

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

Once cost-share has been allocated to Districts, cost-share expenditures within Districts, in accordance with the VACS mission (See Part 2), should be targeted towards maximizing nutrient and sediment reductions by implementing the most cost-effective BMPs possible in locations that achieve the greatest pollutant reductions on a field by field basis. The VACS Program gives Districts the responsibility to determine the recipients of state cost-share funds. The better the Districts recruit and evaluate applications, the more successful the local program will be at improving local water quality. Participants are to be recruited based upon those primary and secondary factors, which most influence their existing land uses impact upon water quality. The objective of the VACS Program is to solve water quality problems by fixing the worst problems first on a field by field basis. The 2014 agricultural non-point source ranking of the National Watershed Boundary Database (VAHU6) currently provides the most accurate identification at a landscape scale, of the lands with the greatest potential to contribute agricultural non-point source pollution into Virginia's rivers and streams.

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

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

Stream Exclusion with Grazing Land Management (SL-6)
Grass Filter Strips (WQ-1)
Sediment Retention, Erosion or Water Control Structure (WP-1)
Precision Nutrient Management (NM-5)

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

Further, a set of Secondary considerations that identify the local District Board's water quality improvement focus shall be developed by the District Board. The District shall submit their Secondary Considerations to the Department prior to the beginning of the fiscal year and receive Department approval prior to the District approving cost-share applications. These secondary considerations should be easily understood by any potential participant. Districts should focus on describing the Board's desired local water quality improvements. Secondary considerations should be narrative statements that assist District Boards in ranking cost-share applications based upon which practice implementation will provide the greatest amount of local water quality improvement. The District shall be expected to abide by these policies throughout the entire program year so that each application is ranked to receive funding based upon the anticipated water quality benefits. Examples of potential secondary considerations may be found in the *Program Year 2017 Virginia Agricultural Cost Share (VACS) BMP Manual*.

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

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

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

TABLE 8: CEF Ranking Components and Values

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

Final approval of practice funding is the responsibility of the local District Board of Directors. All actions taken must be voted upon and the outcome recorded in the minutes of the meeting where such action is taken. Districts should be prepared to verify and document that their cost-share allocations are being spent in accordance with their priority and secondary considerations and in accordance with the *Program Year 2017 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 2017 Virginia Agricultural Cost Share (VACS) BMP Manual*, this Policy, or by written directive of the Director.

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

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

8. Cost-share Funding Caps:

For FY17, the VACS applicant cost-share limit or “cap” is \$50,000/applicant/year. This cap is automatically monitored for any applicant across Districts based upon data available from within the Agricultural BMP Tracking program.

- Except that WP-4 and/or WP-4B either as a single large practice or as an aggregation of smaller practices may be approved to receive up to \$70,000 in cost-share funds in any given program year. For any single or aggregation of WP-4 and/or WP-4B practices that receive greater than \$50,000 in cost share funds but less than \$70,000, the unused cap amount may not be used to fund any other additional practices.
- Each District Board may establish an applicant cost-share limit or “cap” for the program year which may not exceed the program applicant cost-share limit. Applicants may receive the amount of the District established cost-share limits or “caps” for implemented BMPs as long as the amount does not exceed the established programmatic cost-share limit or “cap”. This cap is automatically monitored for any applicant across Districts based upon data available from within the Agricultural BMP Tracking program. Districts may view all approved cost-share funds for a participant by utilizing the “participant’s contracts” button. This authority to set District cost-share limits in accordance with the provisions of this paragraph does not extend to SL-6, RMP-1, and RMP-2 practices.
- SL-6 is also subject to the \$70,000 cap for new applications in FY17 and participants receiving cost-share funds for new SL-6 applications in the amount of \$70,000 shall not be eligible for any additional cost-share funds for any other cost-share practices.
 - Examples:
 - If SL6 payment is equal to \$70,000 then no additional VACS is allowed.
 - If SL6 is \$60,000, then \$10,000 would remain available for WP-4 and/or WP-4B but \$0 for other VACS practices.
 - If SL6 is \$40,000, then \$10,000 would remain available for agronomic practices or up to \$30,000 for WP-4 and/or WP-4B.
- Cost-share funds received for RMP-1 and RMP-2 practices do not count against or otherwise affect an applicant’s annual cost-share cap for other specified practices.

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

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

9. Reallocation of Cost-Share:

The end of the third quarter formal reallocation of unobligated VACS allocations that has been incorporated into prior policies shall be waived given the large amounts of cost-share that will be allocated to Districts in FY17. It is recognized that it may take a period of time to obligate such funds, as well as their remains a significant backlog of SL-6 funding that requires funding. It is the desire of the Board to keep these funds working through FY17 and FY18 in the District that they have been allocated to, or subsequently transferred

to, provided that the District continues to have pending practices. Should SL-6 funding be available for transfer, the Board shall distribute it to unfunded SL-6 practices based on a synthesized list of CEF ranked needs for which funding estimates are available in the Agricultural BMP Cost-Share Tracking Program.

10. Allocation Process for Technical Assistance:

Technical Assistance funds are made available to Districts by the Department for VACS Program implementation by District technical staff. FY13 technical assistance fund allocations approved in the amount \$1,843,154 represents a base allocation for FY17 for technical assistance. This base (or constant) represents the FY13 level at which Districts delivered services. The base amount of \$1,843,154 is subtracted from the total technical assistance available in FY17 (\$7,417,751) and results in a technical assistance balance of \$5,574,597. This remaining balance is distributed proportionally to the allocation of Total FY17 cost-share (VACS and SL-6) to Districts. Results for FY17 (Total Technical assistance allocations by District) are presented in **TABLE 9**. In future years, should technical assistance amounts available fall below the \$1,843,154 base level, total technical assistance to Districts would be proportionally reduced.

TABLE 9: FY16 Technical Assistance Computations and District Allocations

SWCD	FY17 Cost-Share Total (VACS and SL-6)*	Proportional Multiplier	FY17 TA Addition to the FY13 TA Base*	FY13 TA Base	FY17 Total Technical Assistance Allocated
APPOMATTOX RIVER	\$362,449	0.006891079	\$38,415	\$25,899	\$64,314
BIG SANDY	\$53,288	0.001013141	\$5,648	\$8,723	\$14,371
BIG WALKER	\$1,232,112	0.023425590	\$130,588	\$34,600	\$165,188
BLUE RIDGE	\$2,687,603	0.051098185	\$284,852	\$50,000	\$334,852
CHOWAN BASIN	\$2,088,472	0.039707177	\$221,352	\$30,369	\$251,721
CLINCH VALLEY	\$820,163	0.015593390	\$86,927	\$70,000	\$156,927
COLONIAL	\$635,967	0.012091354	\$67,404	\$40,000	\$107,404
CULPEPER	\$5,439,762	0.103423744	\$576,546	\$105,000	\$681,546
DANIEL BOONE	\$706,328	0.013429096	\$74,862	\$49,800	\$124,662
EASTERN SHORE	\$694,466	0.013203569	\$73,605	\$51,000	\$124,605
EVERGREEN	\$365,905	0.006956787	\$38,781	\$19,300	\$58,081
HALIFAX	\$247,860	0.004712450	\$26,270	\$32,600	\$58,870
HANOVER-CAROLINE	\$415,129	0.007892661	\$43,998	\$74,250	\$118,248
HEADWATERS	\$1,752,215	0.033314074	\$185,713	\$38,297	\$224,010
HENRICOPOLIS	\$97,069	0.001845529	\$10,288	\$7,570	\$17,858
HOLSTON RIVER	\$506,887	0.009637214	\$53,724	\$69,000	\$122,724
JAMES RIVER	\$439,284	0.008351909	\$46,559	\$16,372	\$62,931
JOHN MARSHALL	\$1,285,315	0.024437115	\$136,227	\$32,000	\$168,227
LAKE COUNTRY	\$297,120	0.005649009	\$31,491	\$17,000	\$48,491
LONESOME PINE	\$96,117	0.001827429	\$10,187	\$27,329	\$37,516
LORD FAIRFAX	\$1,300,627	0.024728235	\$137,850	\$100,000	\$237,850
LOUDOUN	\$465,406	0.008848555	\$49,327	\$46,000	\$95,327
MONACAN	\$802,127	0.015250479	\$85,015	\$16,000	\$101,015
MOUNTAIN	\$316,400	0.006015571	\$33,534	\$0	\$33,534
MOUNTAIN CASTLES	\$179,500	0.003412753	\$19,025	\$35,000	\$54,025
NATURAL BRIDGE	\$384,713	0.007314375	\$40,775	\$32,221	\$72,996
NEW RIVER	\$789,652	0.015013298	\$83,693	\$50,000	\$133,693

NORTHERN NECK	\$1,665,046	0.031656769	\$176,474	\$100,742	\$277,216
NORTHERN VIRGINIA	\$13,328	0.000253399	\$1,413	\$0	\$1,413
PATRICK	\$560,771	0.010661686	\$59,435	\$13,500	\$72,935
PEAKS OF OTTER	\$6,507,256	0.123719526	\$689,686	\$28,742	\$718,428
PEANUT	\$2,117,503	0.040259130	\$224,428	\$69,000	\$293,428
PETER FRANCISCO	\$374,429	0.007118850	\$39,685	\$23,601	\$63,286
PIEDMONT	\$371,698	0.007066927	\$39,395	\$23,790	\$63,185
PITTSYLVANIA	\$546,069	0.010382164	\$57,876	\$29,300	\$87,176
PRINCE WILLIAM	\$217,075	0.004127149	\$23,007	\$6,343	\$29,350
ROBERT E. LEE	\$4,441,705	0.084448136	\$470,764	\$11,930	\$482,694
SCOTT COUNTY	\$998,394	0.018982015	\$105,817	\$45,800	\$151,617
SHENANDOAH VALLEY	\$1,810,380	0.034419939	\$191,877	\$45,600	\$237,477
SKYLINE	\$860,024	0.016351249	\$91,152	\$55,433	\$146,585
SOUTHSIDE	\$174,818	0.003323736	\$18,528	\$24,790	\$43,318
TAZEWELL	\$709,011	0.013480107	\$75,146	\$30,122	\$105,268
THOMAS JEFFERSON	\$3,689,223	0.070141534	\$391,011	\$97,399	\$488,410
THREE RIVERS	\$1,096,189	0.020841347	\$116,182	\$70,375	\$186,557
TIDEWATER	\$678,912	0.012907848	\$71,956	\$27,595	\$99,551
TRI-COUNTY/CITY	\$415,058	0.007891311	\$43,991	\$25,200	\$69,191
VIRGINIA DARE	\$888,014	0.016883410	\$94,118	\$35,562	\$129,680
Grand Total	\$52,596,839	1.000000000	\$5,574,597	\$1,843,154	\$7,417,751

- Rounded to the nearest dollar.

NOTE: In 2017, the Department, pursuant to the Virginia Soil and Water Conservation Board’s Policy on Soil and Water Conservation District Administration and Operations Funding Allocations for FY17 and the associated Grant Agreement will analyze base-budget technical assistance information submitted on the Grant Agreement’s Attachment D (Itemized District Budget Request Form) to see if District base technical assistance needs further adjustments. Absent a re-benchmarking, technical assistance in future years would be distributed in the manner established within this Policy. Until funds are available for re-benchmarking, FY13 technical assistance shall remain the base.

FY17 Technical Assistance allocations (See **TABLE 9**) shall be disbursed to Districts over a two-year period (FY17 and FY18) in accordance with the following procedures. During the first quarter of FY17, after the Fourth Quarter FY16 reports have been submitted (including the District’s End of Year Cash Balance Report, Carry Over Report, and SL-6 Pending Reports) to the Department and the Grant Agreement has been executed and the original signed Agreement returned to the Department, 12.5 percent of the “FY17 TA Addition to the FY13 TA Base” allocations shall be awarded; with an additional 12.5 percent awarded in each of the second, third, and fourth quarters of FY17 and the first, second, third, and fourth quarters of FY18 provided updates to the BMP cost-share tracking database are being made monthly to the satisfaction of the Department. Additionally, 25 percent of the “FY13 TA Base” allocations shall be awarded during the first quarter of FY17; with an additional 25 percent awarded in each of the second, third, and fourth quarters of FY17. 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. Districts may request from the Department an acceleration of the payment of Technical Assistance. The Department, upon review of the request, may approve such request on a case-by-case basis.

Should funding be transferred between Districts, Technical Assistance Funds noted in the column “FY17 TA Addition to the FY13 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. Unexpended State Funds Maintained by Districts:

FY17 cost-share funds issued to Districts that remain unobligated at the close of FY18 will remain in the District's account(s). FY19 cost-share distributions to a District shall be reduced by the amount of unobligated cost-share and the resulting balance shall become available during FY19 reallocation or through other addendum agreements. FY17 Technical Assistance shall be subject to reallocation with the transfer of funds between Districts. However, it is unadvisable for any District to accumulate more than twelve months of Technical Assistance funds. Public funds from local, state, and federal sources are provided to Districts not for savings, but for performance of conservation and other required deliverables. The Department will monitor the growth of unexpended funds through audit reports and other fiscal reports generated by or at the request of the Department. The Department may reduce future funding to Districts that fail to act upon guidance and recommendations from auditors and the Department. Decisions and Department actions will be addressed on a case-by-case basis working with the affected District.

13. Criteria for Cost-share and Technical Assistance:

Funding allocated to Districts as cost-share and technical assistance is contingent upon appropriations by the General Assembly. Should funding availability fall short of appropriation projections during the course of FY17 or FY18, after the Department has utilized all unallocated and unobligated balances it may have available (such as CTI), every District will receive an equal percent reduction which will be calculated and deducted from each District's unobligated total approved cost-share and technical assistance funding specified within the Department/District Grant Agreement. When a reduction of funds is necessary, the Department will make reductions from available unobligated cost-share first and reduce technical assistance last. Should a reduction of funds occur, every District must return funding within 30 days of receiving notice of such reduction from the Department. Should all cost-share and technical assistance funding within a District be obligated and it becomes necessary to reduce such funds, then adjustments will be made to the next fiscal year's spending plan to honor existing commitments from the prior fiscal year first or during reallocation as determined by the Department. The Department shall refer to working papers for fund source allocations for cost-share and for technical assistance to guide reductions as may be necessary.

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

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

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

14. Electronic Copy:

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

15. Contact Information:

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

16. Authorization:

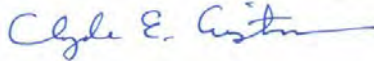
Upon the approval of this Policy, the Department shall, in accordance with its fiduciary powers and responsibilities, make and enter into any and all Grant Agreements and contracts, and take all actions necessary, to fully implement and administer this Policy.

17. Adoption, Amendments, and Repeal:

This document supersedes the Policy titled Policy and Procedures on Soil and Water Conservation District Cost-Share and Technical Assistance Funding Allocations (Fiscal Year 2016) adopted May 21, 2015 and amended December 9, 2015 and will remain in effect until rescinded or superseded.



Daphne W. Jamison
Chair



Clyde E. Cristman
DCR Director

May 24, 2016
Date

Attachment A

Computer Model Estimates and Ranks Based on the 2014 305(b) Report Data of the Agricultural Pollutant Loads of Nitrogen (N), Phosphorus (P), and Sediment (S) in Each of the 1,247 6th-order Hydrologic Units (HU)

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

2014 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			
JL15	36.6868	10.0737	2.9902	1226	1238	1227	3691	H	1
CU58	43.5172	10.8547	2.0921	1237	1245	1175	3657	H	2
CU56	51.7140	12.6344	1.9408	1247	1247	1147	3641	H	3
CU60	47.3024	11.8840	1.9503	1244	1246	1149	3639	H	4
PS39	32.7513	7.4586	2.6559	1208	1214	1213	3635	H	5
PS38	33.3349	7.4442	2.4324	1211	1213	1202	3626	H	6
JL36	34.4100	8.8314	2.0602	1219	1231	1171	3621	H	7
JL37	30.8718	8.1378	2.3571	1198	1224	1197	3619	H	8
CU55	33.7357	8.0821	2.0569	1213	1222	1169	3604	H	9
JL32	28.2200	7.3436	2.3121	1186	1210	1194	3590	H	10
CB14	30.0289	7.2235	2.1805	1192	1208	1185	3585	H	11
JL14	40.5952	10.2315	1.6298	1234	1241	1074	3549	H	12
CU44	38.0830	8.6120	1.6523	1229	1229	1082	3540	H	13
JL30	24.7059	6.6057	2.2813	1153	1184	1189	3526	H	14
PS37	31.8683	6.7394	1.8690	1202	1189	1135	3526	H	15
AS10	46.3600	10.1919	1.5262	1243	1239	1041	3523	H	16
CU45	34.3882	8.3592	1.6304	1218	1226	1075	3519	H	17
CU57	32.4461	7.7426	1.7036	1205	1216	1096	3517	H	18
CU59	41.8758	10.4282	1.5000	1236	1242	1023	3501	H	19
CL04	31.0637	7.8658	1.6158	1199	1218	1068	3485	H	20
AS11	41.2201	8.8525	1.4748	1235	1232	1010	3477	H	21
PS41	36.1546	6.8047	1.5830	1225	1191	1060	3476	H	22
JL39	29.0397	7.4244	1.6134	1189	1211	1067	3467	H	23
CB13	26.2107	6.2910	1.8396	1170	1167	1129	3466	H	24
JL33	27.9733	7.0976	1.6366	1184	1202	1076	3462	H	25
CB01	26.7656	6.5893	1.6722	1176	1181	1089	3446	H	26
CB03	26.5308	6.6801	1.6268	1173	1187	1072	3432	H	27
YO62	25.7538	6.1322	1.7234	1167	1162	1100	3429	H	28

2014 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	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
PL73	24.2161	6.0223	1.7538	1147	1158	1107	3412	H	29
PL69	19.4447	5.6533	2.2685	1076	1135	1188	3399	H	30
AS15	44.0760	9.8274	1.3205	1240	1236	922	3398	H	31
RA72	27.4756	6.5500	1.5156	1183	1179	1035	3397	H	32
AS19	38.1916	7.9575	1.3529	1230	1220	944	3394	H	33
TC35	18.5686	4.8594	5.7906	1057	1090	1247	3394	H	34
AS16	37.2377	7.8828	1.3534	1228	1219	945	3392	H	35
CM26	17.6498	5.8165	2.2185	1034	1149	1187	3370	H	36
AS13	34.9237	7.1368	1.3297	1221	1203	930	3354	H	37
CU18	21.6248	5.2353	1.8184	1113	1114	1123	3350	H	38
CU34	22.9887	5.7067	1.6251	1136	1141	1070	3347	H	39
CL05	35.7308	8.4846	1.2657	1224	1227	892	3343	H	40
RA68	24.6562	6.0646	1.4993	1151	1160	1022	3333	H	41
RA69	26.6118	6.6636	1.4011	1174	1186	972	3332	H	42
RA71	21.3725	4.7255	1.8286	1109	1084	1126	3319	H	43
JL46	28.1984	7.0779	1.3271	1185	1200	928	3313	H	44
JL11	24.7116	6.2154	1.4355	1154	1165	992	3311	H	45
PS35	34.8266	6.9544	1.2651	1220	1197	889	3306	H	46
RU03	19.1307	3.2596	2.8775	1068	1015	1223	3306	H	47
AS08	45.2977	10.2077	1.1604	1241	1240	820	3301	H	48
JL10	27.1883	6.6401	1.3253	1181	1185	926	3292	H	49
AS17	34.0494	7.0822	1.2493	1216	1201	874	3291	H	50
CM32	24.2372	6.5203	1.3776	1148	1177	962	3287	H	51
CU31	26.1979	6.0295	1.3758	1169	1159	959	3287	H	52
CB05	25.3458	5.8356	1.4017	1162	1150	974	3286	H	53
JL34	19.4916	4.3915	1.8963	1078	1067	1139	3284	H	54
RA70	21.2035	4.5806	1.7003	1108	1079	1095	3282	H	55
RA73	22.0134	5.4511	1.5115	1121	1126	1030	3277	H	56
RD19	17.7657	3.1517	2.9342	1038	1014	1225	3277	H	57
JL35	18.0396	4.4077	2.0084	1048	1069	1158	3275	H	58
JU77	16.2412	3.9113	3.2861	998	1038	1235	3271	H	59
JL26	17.9702	4.3418	2.0093	1046	1061	1159	3266	H	60
PS40	33.1735	6.8134	1.2147	1210	1193	854	3257	H	61
RA33	20.0649	2.7835	2.1083	1092	987	1177	3256	H	62
CU61	33.0781	8.0541	1.1578	1209	1221	818	3248	H	63
RA24	20.9545	2.8819	1.9198	1102	994	1143	3239	H	64

2014 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	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
TP16	17.3484	2.9468	2.6427	1028	1000	1211	3239	H	65
JL12	26.6205	6.7912	1.2480	1175	1190	872	3237	H	66
CB02	21.8278	5.0268	1.4797	1116	1103	1013	3232	H	67
TP15	20.4710	2.0926	3.1639	1097	900	1231	3228	H	68
PS36	30.0506	5.7651	1.2589	1193	1144	882	3219	H	69
AS14	33.4972	6.5699	1.1660	1212	1180	822	3214	H	70
RA31	22.4477	3.0060	1.6545	1125	1005	1083	3213	H	71
CB11	22.1205	5.5850	1.3757	1122	1131	958	3211	H	72
RA59	21.1052	5.1526	1.4265	1106	1110	987	3203	H	73
JU59	16.6387	2.7602	2.6175	1009	983	1210	3202	H	74
RA67	24.7266	5.9338	1.2612	1155	1153	884	3192	H	75
CL03	27.0830	6.4251	1.1941	1178	1171	841	3190	H	76
CU35	22.5533	5.2812	1.3537	1129	1115	946	3190	H	77
AS03	18.9093	4.3258	1.5915	1064	1060	1065	3189	H	78
RD16	16.3959	2.4278	2.9838	1002	960	1226	3188	H	79
CU64	25.6433	6.4012	1.1980	1166	1170	844	3180	H	80
CB04	25.0720	6.1337	1.2163	1160	1163	856	3179	H	81
CL02	26.9951	6.4307	1.1757	1177	1172	825	3174	H	82
JU64	15.5081	3.4632	2.0783	977	1020	1174	3171	H	83
JL27	15.9729	3.5328	1.9586	992	1026	1152	3170	H	84
RA53	17.0297	4.4967	1.6388	1019	1074	1077	3170	H	85
JL08	21.9831	5.3008	1.3403	1119	1117	933	3169	H	86
PS27	23.1263	3.9251	1.4216	1138	1040	986	3164	H	87
RD03	17.0337	2.2899	2.5301	1020	936	1207	3163	H	88
CU43	19.7075	5.3463	1.3761	1081	1121	960	3162	H	89
JL29	28.5189	6.8339	1.0960	1187	1194	774	3155	H	90
JL42	25.7942	6.6051	1.1365	1168	1183	802	3153	H	91
TP19	13.7721	3.2756	4.9226	889	1016	1246	3151	H	92
CU63	28.5265	6.8112	1.0898	1188	1192	768	3148	H	93
YO61	23.2824	5.7833	1.2338	1140	1145	863	3148	H	94
NE35	17.1402	2.2758	2.3067	1022	930	1193	3145	H	95
CB12	27.1735	6.4545	1.1116	1180	1174	786	3140	H	96
RD21	15.6425	2.3815	2.3816	984	951	1200	3135	H	97
YA04	15.4956	2.3023	2.8304	976	937	1221	3134	H	98
JL52	48.2242	10.4332	0.9612	1245	1243	645	3133	H	99
CU50	25.4866	6.3987	1.1296	1163	1169	800	3132	H	100

2014 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	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
CU52	23.5784	5.9204	1.1819	1142	1152	832	3126	H	101
JL25	20.6782	5.0596	1.3201	1099	1104	921	3124	H	102
TH45	13.8898	2.7886	3.3065	897	988	1236	3121	H	103
JL41	24.9139	6.2525	1.1193	1157	1166	794	3117	H	104
AS20	34.1583	6.9619	1.0097	1217	1198	697	3112	H	105
RA32	19.0110	2.4248	1.6574	1067	958	1085	3110	H	106
CU48	21.7060	5.8009	1.1996	1115	1148	846	3109	H	107
RU20	16.7268	2.3796	1.9395	1012	950	1146	3108	H	108
JU35	15.3319	2.5551	2.0407	970	968	1166	3104	H	109
JL51	39.4865	8.5597	0.9524	1232	1228	641	3101	H	110
RA74	22.8138	5.8008	1.1527	1133	1147	815	3095	H	111
PS42	29.4982	5.7525	1.0810	1190	1143	760	3093	H	112
PL67	19.5774	5.1066	1.2850	1079	1107	904	3090	H	113
CU38	16.8902	2.6947	1.7077	1016	975	1097	3088	H	114
RD02	16.6756	2.1848	2.0580	1010	908	1170	3088	H	115
RD20	15.3564	2.2118	2.3677	971	917	1198	3086	H	116
YO68	22.6190	5.4346	1.1771	1130	1125	826	3081	H	117
YO37	19.3722	5.0194	1.2813	1075	1102	902	3079	H	118
RA25	21.5983	2.6983	1.4299	1111	977	989	3077	H	119
RU01	14.3170	2.4239	2.3555	919	957	1196	3072	H	120
YA03	17.1521	1.9694	2.0425	1023	879	1167	3069	H	121
JL40	25.5285	6.4811	1.0426	1165	1176	725	3066	H	122
CU41	17.2309	4.6134	1.3638	1027	1081	953	3061	H	123
PS50	13.6246	3.6361	1.9683	877	1030	1153	3060	H	124
YO60	22.3563	5.6791	1.1280	1124	1137	799	3060	H	125
AS06	48.7417	10.5567	0.8874	1246	1244	567	3057	H	126
AS12	33.7523	7.1794	0.9434	1215	1206	634	3055	H	127
AS18	32.6820	6.4441	0.9871	1206	1173	675	3054	H	128
CU16	15.0160	2.7274	1.7732	958	980	1113	3051	H	129
CU67	22.4548	5.6930	1.1063	1126	1140	783	3049	H	130
CM19	15.8215	2.5910	1.6830	987	969	1092	3048	H	131
CU68	23.8147	5.9712	1.0695	1144	1156	747	3047	H	132
PS04	16.9090	2.8336	1.5205	1018	992	1037	3047	H	133
CM28	17.3534	4.0452	1.3951	1029	1045	971	3045	H	134
YO65	20.4152	4.9793	1.2099	1095	1099	850	3044	H	135
RA57	19.8762	4.9235	1.2182	1088	1094	858	3040	H	136

2014 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	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
JL24	20.9649	5.1110	1.1691	1103	1108	824	3035	H	137
CM20	19.3172	4.2398	1.3009	1071	1052	911	3034	H	138
CU29	22.5318	5.4162	1.1037	1128	1124	780	3032	H	139
CU47	16.8402	5.0100	1.3035	1015	1101	912	3028	H	140
YO66	19.4547	4.7962	1.2279	1077	1089	861	3027	H	141
JL48	37.1732	8.1269	0.8923	1227	1223	575	3025	H	142
YO59	17.6889	4.4609	1.3130	1035	1071	917	3023	H	143
CU66	25.5258	6.3955	1.0040	1164	1168	689	3021	H	144
JL49	32.6945	7.4262	0.9103	1207	1212	600	3019	H	145
RD10	14.9350	1.9693	2.1980	953	878	1186	3017	H	146
AO15	35.5723	9.4110	0.8808	1223	1234	558	3015	H	147
JL07	22.9409	5.5286	1.0756	1134	1129	752	3015	H	148
CU25	18.7713	4.3823	1.2614	1061	1064	885	3010	H	149
JL13	22.7329	5.4074	1.0774	1131	1123	754	3008	H	150
CU53	25.2118	6.2021	0.9960	1161	1164	681	3006	H	151
CU69	24.5343	5.9629	1.0132	1150	1155	701	3006	H	152
PL72	18.1403	4.5095	1.2562	1052	1076	877	3005	H	153
CB10	20.1265	4.8746	1.1563	1093	1091	817	3001	H	154
TC33	12.0414	4.3138	2.5109	736	1059	1206	3001	H	155
JL43	23.0270	5.6878	1.0407	1137	1139	721	2997	H	156
JL47	27.4699	6.7173	0.9342	1182	1188	625	2995	H	157
JU86	14.6281	2.3172	1.7620	938	943	1112	2993	H	158
CB08	23.8328	5.5947	1.0225	1145	1132	711	2988	H	159
NE04	12.8292	2.8115	2.1507	815	991	1180	2986	H	160
JL44	32.0540	7.2058	0.8912	1203	1207	571	2981	H	161
JL31	18.0739	4.0320	1.2629	1050	1043	887	2980	H	162
RD15	14.8116	1.9174	2.0102	950	868	1160	2978	H	163
RA60	20.4626	5.0038	1.1047	1096	1100	781	2977	H	164
CU39	18.9348	4.3604	1.2023	1065	1063	847	2975	H	165
RD04	13.9991	2.0477	2.1249	901	893	1179	2973	H	166
CB09	21.8848	5.1665	1.0627	1117	1111	744	2972	H	167
YO63	19.6486	4.9708	1.1141	1080	1098	791	2969	H	168
TH23	13.2902	3.4883	1.6610	858	1022	1087	2967	H	169
CU24	17.8878	4.2602	1.2463	1041	1054	871	2966	H	170
AS01	45.4316	9.9045	0.8175	1242	1237	475	2954	H	171
CM25	15.0458	2.4181	1.5233	960	956	1038	2954	H	172

2014 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	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
CU42	17.9440	4.5662	1.1790	1044	1078	828	2950	H	173
JU60	15.0810	2.2599	1.5776	961	927	1059	2947	H	174
CU65	24.9315	6.1304	0.9343	1158	1161	626	2945	H	175
TC26	13.2054	2.0823	2.2901	852	898	1191	2941	H	176
PS12	14.7718	2.6452	1.4911	947	973	1018	2938	H	177
RU21	14.2870	2.2722	1.6748	918	929	1090	2937	H	178
NE36	19.7505	1.5682	1.8934	1083	715	1137	2935	H	179
AS07	43.6122	9.5585	0.8029	1238	1235	455	2928	H	180
YO18	14.5820	1.9203	1.7971	935	870	1116	2921	H	181
RD01	15.8791	1.8857	1.6406	990	850	1079	2919	H	182
AO13	27.1480	7.1379	0.8608	1179	1204	531	2914	H	183
CU28	18.7606	4.2967	1.1198	1060	1057	795	2912	H	184
JU06	12.5135	1.9927	3.3631	792	882	1238	2912	H	185
RA55	19.7874	4.9301	1.0503	1086	1095	731	2912	H	186
AO21	30.2954	8.1956	0.8247	1195	1225	487	2907	H	187
JL09	23.1464	5.2850	0.9638	1139	1116	649	2904	H	188
PL66	15.2246	3.6921	1.2863	965	1033	905	2903	H	189
CU33	20.8168	5.2279	1.0019	1100	1113	686	2899	H	190
NE18	13.3543	2.0096	1.9551	864	885	1150	2899	H	191
YO64	19.8880	4.7931	1.0392	1090	1088	720	2898	H	192
AS09	40.4181	8.7578	0.7914	1233	1230	434	2897	H	193
CU49	21.6023	5.5790	0.9688	1112	1130	655	2897	H	194
PU05	16.6145	1.8436	1.5495	1008	836	1051	2895	H	195
RD08	15.5902	1.7955	1.6973	981	816	1093	2890	H	196
JU62	13.4015	2.4333	1.5840	867	961	1061	2889	H	197
CL01	30.0645	6.8906	0.8302	1194	1195	495	2884	H	198
CB15	29.5730	7.1485	0.8234	1191	1205	486	2882	H	199
AS05	30.6085	6.9937	0.8226	1197	1199	483	2879	H	200
PU06	12.3835	2.3721	1.9927	775	947	1157	2879	H	201
TH41	13.5853	1.8650	2.0174	875	843	1161	2879	H	202
PS06	13.6441	2.4259	1.5150	878	959	1034	2871	H	203
AS02	35.4947	7.8221	0.7839	1222	1217	421	2860	H	204
RA43	13.0627	2.1110	1.8177	837	901	1122	2860	H	205
CU30	26.5098	5.9885	0.8590	1172	1157	530	2859	H	206
PS24	19.7523	2.5183	1.1465	1084	966	808	2858	H	207
YO20	13.2632	1.9772	1.8084	856	880	1119	2855	H	208

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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	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
JU33	13.8243	1.7804	1.9877	891	807	1155	2853	H	209
PS03	16.1892	2.9756	1.2114	996	1002	853	2851	H	210
RD71	12.3704	2.0655	2.1600	772	897	1181	2850	H	211
CM23	15.2365	2.3613	1.3451	966	945	938	2849	H	212
JL53	33.7445	7.3311	0.7861	1214	1209	426	2849	H	213
PS62	18.5002	3.6096	1.0795	1055	1029	756	2840	H	214
JU49	13.1045	1.9299	1.8187	840	873	1124	2837	H	215
JM21	16.3989	2.2431	1.2706	1003	925	896	2824	H	216
RA26	20.8251	2.3974	1.0875	1101	953	767	2821	H	217
CU54	22.4650	5.5072	0.8856	1127	1127	564	2818	H	218
CU32	24.8117	5.7969	0.8439	1156	1146	512	2814	H	219
JU34	14.0263	1.7340	1.7797	902	792	1114	2808	H	220
PL71	18.8554	4.7280	0.9709	1063	1085	658	2806	H	221
JU38	14.0419	2.0908	1.4491	904	899	998	2801	H	222
PS05	17.8817	2.6425	1.1121	1040	972	789	2801	H	223
RA56	19.3278	5.0652	0.9335	1073	1105	623	2801	H	224
YO35	16.5769	4.1613	1.0658	1007	1048	746	2801	H	225
RD11	14.1186	1.6225	1.9101	910	746	1141	2797	H	226
JL22	18.0862	4.4590	0.9815	1051	1070	669	2790	H	227
CM31	15.6132	4.2534	1.0751	983	1053	751	2787	H	228
JA45	15.5726	3.6530	1.0964	980	1032	775	2787	H	229
TP17	10.9163	2.3164	3.4412	600	941	1241	2782	H	230
RA65	19.7285	4.9342	0.9124	1082	1096	603	2781	H	231
YO22	13.8639	1.8095	1.5672	895	824	1056	2775	H	232
CU17	17.6086	2.7105	1.0818	1032	978	763	2773	H	233
PS49	11.5803	2.9342	1.6560	684	999	1084	2767	H	234
PS07	16.5409	2.6089	1.1061	1006	970	782	2758	H	235
JL04	18.9771	4.7765	0.9098	1066	1087	599	2752	H	236
TC24	13.8876	1.8910	1.4539	896	854	1001	2751	H	237
CU70	21.5101	5.1302	0.8537	1110	1109	525	2744	H	238
TC31	13.5430	1.6920	1.7115	874	771	1098	2743	H	239
YO54	18.0219	4.2676	0.9491	1047	1055	638	2740	H	240
TP09	11.6062	1.8302	2.7508	687	831	1217	2735	H	241
CB07	20.0037	4.6162	0.8829	1091	1082	560	2733	H	242
JL45	30.3013	6.8983	0.7156	1196	1196	341	2733	H	243
TH09	13.4561	1.8713	1.4887	870	844	1015	2729	H	244

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
CU40	16.9015	4.0435	0.9791	1017	1044	667	2728	H	245
YO33	16.1624	3.8301	1.0118	995	1034	699	2728	H	246
RU02	12.3651	1.8398	1.8125	770	834	1120	2724	H	247
RU23	13.6749	1.9044	1.4177	882	859	983	2724	H	248
CU46	22.7783	5.6187	0.8025	1132	1134	454	2720	H	249
AS04	43.6551	9.3832	0.6209	1239	1233	247	2719	H	250
PS02	15.0018	2.7779	1.1005	957	985	777	2719	H	251
RA58	17.9667	4.5533	0.9091	1045	1077	596	2718	H	252
RD22	13.1860	1.6067	1.8672	850	734	1134	2718	H	253
JM85	15.9063	2.0245	1.1853	991	889	836	2716	H	254
JU78	15.3759	1.8899	1.2650	973	853	888	2714	M	255
TC34	11.3338	1.8772	2.6817	652	845	1215	2712	M	256
NE10	14.3695	1.4122	2.2962	923	596	1192	2711	M	257
NE75	12.6326	1.9123	1.5357	800	864	1046	2710	M	258
CU15	15.1153	2.3034	1.1432	962	938	806	2706	M	259
CU37	14.7000	2.1953	1.1987	944	912	845	2701	M	260
RA66	20.9741	5.3302	0.8188	1104	1119	477	2700	M	261
RU29	14.6949	1.8938	1.2756	943	856	898	2697	M	262
CU62	24.3151	5.9476	0.7633	1149	1154	393	2696	M	263
JU84	12.1227	1.8021	1.8387	749	819	1128	2696	M	264
PL63	12.7613	2.4118	1.3263	811	955	927	2693	M	265
CM27	17.7054	3.8458	0.9304	1037	1035	620	2692	M	266
YO42	13.8540	3.0721	1.1118	894	1010	788	2692	M	267
CU36	20.3849	4.8963	0.8344	1094	1092	501	2687	M	268
CU51	24.0986	5.8930	0.7612	1146	1151	390	2687	M	269
JL28	14.3439	3.0317	1.0801	922	1006	757	2685	M	270
JM33	12.9613	1.9151	1.4375	826	866	993	2685	M	271
YO58	17.7048	4.3864	0.9015	1036	1065	584	2685	M	272
JL05	18.5558	4.4004	0.8816	1056	1068	559	2683	M	273
CB19	31.6159	7.5892	0.6430	1201	1215	265	2681	M	274
PS44	15.2893	3.3605	1.0093	967	1018	695	2680	M	275
RA62	19.3145	5.0819	0.8373	1070	1106	504	2680	M	276
TC27	13.1096	1.7365	1.5256	842	796	1040	2678	M	277
TP14	15.3709	1.3357	2.0363	972	534	1164	2670	M	278
TH44	11.5329	1.7960	2.0444	680	817	1168	2665	M	279
PS01	19.8808	2.2142	0.9640	1089	918	650	2657	M	280

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
JL06	17.2264	4.2910	0.8917	1026	1056	573	2655	M	281
PS56	14.6711	2.2794	1.1104	939	931	785	2655	M	282
PS55	12.3893	2.2867	1.3515	778	932	942	2652	M	283
CU23	14.3386	2.2892	1.1169	921	935	793	2649	M	284
BS03	9.6662	2.9990	3.4133	404	1004	1240	2648	M	285
TC32	11.6263	1.7797	1.9427	690	806	1148	2644	M	286
BS21	9.9951	2.3313	3.7691	453	944	1244	2641	M	287
CM21	19.3411	4.3884	0.8331	1074	1066	499	2639	M	288
TC25	12.4299	1.7069	1.6292	782	781	1073	2636	M	289
JL23	18.2036	4.2992	0.8527	1054	1058	522	2634	M	290
RD70	13.7785	1.8821	1.2685	890	849	894	2633	M	291
TP05	12.8282	1.8407	1.4189	814	835	984	2633	M	292
YO48	13.7012	3.1015	1.0548	885	1011	734	2630	M	293
RU57	13.2279	1.6770	1.4697	854	767	1008	2629	M	294
JU61	12.2779	2.2249	1.3417	765	922	936	2623	M	295
PS08	16.1092	2.2887	1.0097	994	933	696	2623	M	296
JU07	12.1113	1.7963	1.5648	747	818	1055	2620	M	297
AO18	24.9677	6.5911	0.6548	1159	1182	278	2619	M	298
BS01	11.5281	1.6111	2.4450	679	736	1204	2619	M	299
PL65	12.7940	3.1376	1.1143	812	1013	792	2617	M	300
RD18	11.3052	1.9070	1.7566	644	862	1110	2616	M	301
CB38	24.6749	6.4753	0.6624	1152	1175	287	2614	M	302
RD12	13.3418	1.5744	1.5122	862	719	1031	2612	M	303
RU33	13.1545	1.7811	1.3632	849	808	951	2608	M	304
RD73	12.7252	1.8058	1.4030	808	821	975	2604	M	305
RA61	19.8534	4.7388	0.7878	1087	1086	429	2602	M	306
BS19	10.2308	1.9626	3.1410	495	876	1230	2601	M	307
CB46	26.4331	6.5385	0.6212	1171	1178	251	2600	M	308
NE11	14.5307	1.3932	1.6590	933	580	1086	2599	M	309
BS27	9.7440	2.3169	3.4773	413	942	1243	2598	M	310
CM24	14.3772	2.1956	1.0813	924	913	761	2598	M	311
YO55	17.2167	4.1910	0.8518	1025	1050	521	2596	M	312
JM39	12.1651	1.7025	1.5914	751	775	1064	2590	M	313
PS61	13.0856	2.3781	1.1388	838	949	803	2590	M	314
RA44	11.8938	1.6657	1.7562	720	762	1108	2590	M	315
JM22	16.3751	1.9055	1.0435	1001	860	727	2588	M	316

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PL68	17.8489	4.5067	0.8148	1039	1075	472	2586	M	317
CM30	14.9613	3.8622	0.9038	955	1036	588	2579	M	318
PL23	11.8979	1.5385	2.0331	721	692	1163	2576	M	319
YO53	12.9964	2.9125	1.0617	831	997	742	2570	M	320
JU75	11.9268	1.7660	1.5307	724	803	1042	2569	M	321
RU22	12.6962	1.8063	1.3519	804	822	943	2569	M	322
TP04	9.5503	2.3771	3.2318	381	948	1234	2563	M	323
YO45	13.0314	2.5346	1.0810	832	967	759	2558	M	324
RD76	12.2301	1.7029	1.4936	760	777	1019	2556	M	325
PS10	31.5244	2.6383	0.7529	1200	971	381	2552	M	326
YO32	14.5048	3.4986	0.9096	931	1023	598	2552	M	327
JU36	13.5105	1.6459	1.3227	872	753	924	2549	M	328
JL20	16.7519	3.9140	0.8305	1013	1039	496	2548	M	329
RD06	12.9137	1.5779	1.4624	821	721	1006	2548	M	330
PS15	12.9617	1.8277	1.2602	827	830	883	2540	M	331
JM41	13.0423	1.7881	1.2654	833	813	891	2537	M	332
RA54	14.7763	3.9425	0.8713	948	1041	548	2537	M	333
JU31	11.7501	1.6402	1.6503	703	750	1081	2534	M	334
JU09	12.2950	1.4552	1.8485	767	630	1131	2528	M	335
TH25	14.6106	2.2415	0.9745	936	924	660	2520	M	336
RD13	10.8110	1.6562	2.1226	581	759	1178	2518	M	337
JU79	12.2205	1.9191	1.2654	758	869	890	2517	M	338
JU83	11.0663	1.8818	1.5402	619	848	1049	2516	M	339
CU21	11.2447	2.0229	1.4136	640	888	981	2509	M	340
YA01	9.2522	2.8395	2.1605	331	993	1182	2506	M	341
BS06	8.8783	2.7627	3.3278	284	984	1237	2505	M	342
PS17	10.5332	2.4336	1.4585	538	962	1003	2503	M	343
PL70	22.2597	5.6732	0.6177	1123	1136	242	2501	M	344
BS34	9.0075	2.3895	4.2756	302	952	1245	2499	M	345
RU90	11.8721	1.7145	1.4521	716	784	999	2499	M	346
YO52	14.6793	3.3148	0.8690	940	1017	542	2499	M	347
RD40	10.6014	1.7565	1.9393	548	802	1145	2495	M	348
RD23	11.9872	1.4592	1.8383	730	636	1127	2493	M	349
BS20	9.8349	1.8273	3.1232	433	829	1229	2491	M	350
JR15	12.3921	1.4461	1.6650	779	624	1088	2491	M	351
TH43	18.1824	1.3031	1.3340	1053	504	932	2489	M	352

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
NE48	17.4750	1.4881	1.1389	1031	652	804	2487	M	353
BS26	9.0505	2.2890	3.4458	308	934	1242	2484	M	354
CM29	19.2513	4.9641	0.6940	1069	1097	318	2484	M	355
PU07	9.9162	2.9112	1.5247	447	996	1039	2482	M	356
PS66	9.9873	2.1947	1.7805	452	911	1115	2478	M	357
RU31	14.1917	1.7303	1.0948	914	790	773	2477	M	358
JU30	11.8131	1.5024	1.7350	709	661	1103	2473	M	359
RD74	12.1685	1.6528	1.3763	753	757	961	2471	M	360
JU63	11.2039	1.9574	1.3699	635	875	957	2467	M	361
RD05	13.1372	1.6521	1.2372	846	756	864	2466	M	362
CB30	18.6806	4.9142	0.6899	1059	1093	312	2464	M	363
NE53	11.4128	1.6378	1.5438	660	749	1050	2459	M	364
YO51	13.3191	2.7824	0.9244	860	986	613	2459	M	365
RL24	10.5803	2.1222	1.4870	542	902	1014	2458	M	366
RA15	11.7246	1.6011	1.5046	698	731	1025	2454	M	367
RU46	11.6907	1.5568	1.5387	695	710	1048	2453	M	368
TP02	10.4021	1.7314	1.8954	523	791	1138	2452	M	369
JU82	10.7984	1.7537	1.6256	579	801	1071	2451	M	370
TP12	13.1474	1.3346	1.6240	848	531	1069	2448	M	371
RU32	14.0634	1.7841	1.0429	906	811	726	2443	M	372
BS18	9.0401	2.2065	2.8223	307	915	1220	2442	M	373
JU65	10.7973	1.8517	1.5040	578	840	1024	2442	M	374
YA02	11.8128	1.9148	1.2424	708	865	869	2442	M	375
PS23	13.9581	2.1888	0.9429	898	909	633	2440	M	376
JL01	17.9266	4.1309	0.7263	1043	1047	349	2439	M	377
CB33	21.6976	5.6807	0.5687	1114	1138	186	2438	M	378
JU32	11.4216	1.4577	1.8554	662	634	1133	2429	M	379
CB06	18.5843	4.4907	0.6753	1058	1073	295	2426	M	380
CB44	22.9656	5.6100	0.5407	1135	1133	157	2425	M	381
TP07	10.0428	1.6166	2.8914	460	741	1224	2425	M	382
AO11	21.9928	5.7494	0.5361	1120	1142	152	2414	M	383
CB39	21.0053	5.5190	0.5655	1105	1128	181	2414	M	384
JL21	17.1553	3.8955	0.7295	1024	1037	352	2413	M	385
YO49	12.9107	2.7908	0.9133	820	989	604	2413	M	386
RA64	18.0599	4.3451	0.6812	1049	1062	300	2411	M	387
TC30	11.5117	1.5101	1.5899	676	672	1063	2411	M	388

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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	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
YO19	12.5526	1.6849	1.1925	797	769	840	2406	M	389
BS25	9.8245	1.6510	2.7832	430	755	1219	2404	M	390
CB45	21.9337	5.3577	0.5378	1118	1122	153	2393	M	391
PS51	12.9655	2.7424	0.8986	828	981	579	2388	M	392
TP13	14.5242	1.2092	1.5625	932	401	1054	2387	M	393
PS33	13.2995	2.2178	0.9140	859	921	605	2385	M	394
PS09	18.7757	2.9044	0.6980	1062	995	326	2383	M	395
YO56	14.6275	3.5002	0.7839	937	1024	422	2383	M	396
CB41	19.7582	5.1958	0.5658	1085	1112	183	2380	M	397
TC22	11.1606	1.5318	1.5853	627	687	1062	2376	M	398
BS04	8.6204	2.1786	2.6806	252	907	1214	2373	M	399
YO57	14.7566	3.5730	0.7692	945	1027	399	2371	M	400
PS59	11.5453	2.1917	1.1020	682	910	778	2370	M	401
BS08	8.4335	2.1975	3.0054	227	914	1228	2369	M	402
BS15	8.0678	2.4008	3.2187	182	954	1233	2369	M	403
PS21	23.6404	1.7238	0.7927	1143	789	437	2369	M	404
NE15	14.1174	1.2535	1.4624	909	448	1007	2364	M	405
CB35	20.5531	5.3450	0.5159	1098	1120	140	2358	M	406
RA37	15.0266	1.4068	1.1317	959	593	801	2353	M	407
AO14	21.1852	5.3050	0.4940	1107	1118	127	2352	M	408
RU35	13.2744	1.7760	1.0033	857	804	688	2349	M	409
PS11	32.4094	2.6653	0.5491	1204	974	170	2348	M	410
BS07	7.5883	2.6962	3.3784	132	976	1239	2347	M	411
RD17	11.4185	1.6128	1.3610	661	737	948	2346	M	412
JM19	13.6988	1.6733	1.0093	884	765	694	2343	M	413
CU20	12.0778	1.9209	1.0453	742	871	729	2342	M	414
YO03	13.2437	1.7437	1.0021	855	799	687	2341	M	415
NE54	11.8322	1.6979	1.2101	711	774	851	2336	M	416
NE37	13.5980	1.1383	1.8277	876	333	1125	2334	M	417
JU26	13.1942	2.2583	0.8774	851	926	556	2333	M	418
JM49	12.4538	1.4893	1.2661	785	653	893	2331	M	419
CB17	10.6041	1.9656	1.2786	550	877	901	2328	M	420
JU69	10.2000	1.7495	1.5342	484	800	1043	2327	M	421
PS13	10.2967	2.1420	1.2889	511	904	907	2322	M	422
CU22	13.0608	2.0265	0.9075	836	890	593	2319	M	423
YO36	15.5968	3.5806	0.6870	982	1028	309	2319	M	424

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
RU24	11.9552	1.6663	1.1801	726	763	829	2318	M	425
PS54	14.4592	2.9825	0.7546	928	1003	385	2316	M	426
JM20	12.1858	1.6444	1.1469	754	752	809	2315	M	427
RA29	15.6962	1.5439	0.9411	985	698	631	2314	M	428
PS45	11.7729	1.7875	1.1233	704	812	797	2313	M	429
PL06	12.4148	1.4908	1.2492	781	655	873	2309	M	430
JM61	12.4769	1.8480	0.9973	788	837	683	2308	M	431
CU11	12.9561	1.8510	0.9597	824	839	644	2307	M	432
PS43	14.1440	2.8050	0.7728	912	990	403	2305	M	433
BS35	8.1375	1.9853	3.1657	191	881	1232	2304	M	434
JR03	11.5382	1.5649	1.2954	681	713	909	2303	M	435
YO46	12.4443	2.7120	0.8654	784	979	537	2300	M	436
RD25	10.9717	1.3873	1.8077	608	573	1118	2299	M	437
BS16	8.4035	1.9074	2.6473	223	863	1212	2298	M	438
RD14	10.0040	1.5099	2.0706	454	671	1173	2298	M	439
YO40	11.6931	1.5716	1.2571	696	718	880	2294	M	440
TP06	11.0434	1.3975	1.6751	615	586	1091	2292	M	441
JU03	11.7150	1.3905	1.4902	697	577	1017	2291	M	442
JU25	11.0034	1.8057	1.2174	612	820	857	2289	M	443
RU28	9.3743	1.7041	1.9884	354	779	1156	2289	M	444
YO02	14.4894	1.8089	0.8556	930	823	528	2281	M	445
CB42	17.8977	4.5967	0.5414	1042	1080	158	2280	M	446
RU89	11.0227	1.5546	1.3673	613	708	956	2277	M	447
YO69	17.6343	4.2088	0.5753	1033	1051	191	2275	M	448
JR06	12.0659	1.3448	1.4440	741	537	996	2274	M	449
RA38	15.8512	1.8228	0.8039	989	828	457	2274	M	450
AO10	17.4556	4.6492	0.5423	1030	1083	160	2273	M	451
PS48	10.5926	1.3675	2.0684	544	556	1172	2272	M	452
YO13	13.2074	1.7346	0.9340	853	793	624	2270	M	453
NE77	13.0431	1.8860	0.8995	834	851	582	2267	M	454
PS60	9.3570	2.4715	1.3658	349	963	955	2267	M	455
PS26	13.8325	2.1761	0.8117	892	906	467	2265	M	456
BS32	8.1748	1.9068	2.4052	198	861	1201	2260	M	457
BS13	7.9830	1.9242	2.7455	171	872	1216	2259	M	458
JA40	14.0704	2.9180	0.7279	907	998	350	2255	M	459
TP10	14.2020	1.0911	1.5360	915	291	1047	2253	M	460

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
NE21	11.8436	1.5850	1.1512	713	725	813	2251	M	461
TH05	8.6180	1.8811	1.9387	251	847	1144	2242	M	462
PL61	7.5264	2.1660	2.5869	127	905	1208	2240	M	463
TP01	7.9681	1.9011	2.6131	169	858	1209	2236	M	464
YO50	13.4401	3.0587	0.7350	869	1008	358	2235	M	465
RU48	10.5170	1.4778	1.5553	534	646	1052	2232	M	466
RU77	13.3384	1.5352	0.9895	861	690	679	2230	M	467
JU71	9.9596	1.6946	1.4623	451	773	1005	2229	M	468
CM15	10.9899	1.7176	1.1810	610	787	831	2228	M	469
RA40	16.7879	1.5342	0.8549	1014	688	526	2228	M	470
BS09	8.4462	1.7776	2.2897	230	805	1190	2225	M	471
PS19	12.0798	2.0269	0.9035	743	891	586	2220	M	472
YO47	14.1276	3.0476	0.6824	911	1007	302	2220	M	473
BS11	7.6421	1.8867	2.7805	136	852	1218	2206	M	474
NE65	15.8375	0.9723	1.4728	988	208	1009	2205	M	475
BS12	8.1741	1.7821	2.3681	196	809	1199	2204	M	476
JM46	12.0584	1.3523	1.3153	739	546	919	2204	M	477
CB43	15.8212	4.0591	0.5509	986	1046	171	2203	M	478
JM75	11.1602	1.7930	1.0817	626	815	762	2203	M	479
YO04	12.4758	1.5440	1.0318	787	699	716	2202	M	480
NE08	10.9681	1.2818	1.8024	607	474	1117	2198	M	481
CB31	16.4579	4.4622	0.4764	1004	1072	116	2192	M	482
BS17	7.5744	1.8500	2.8692	130	838	1222	2190	M	483
JR04	11.7461	1.4858	1.1902	702	650	838	2190	M	484
NE78	11.4618	1.5482	1.1528	670	704	816	2190	M	485
PS22	10.6270	2.2084	1.0261	555	916	715	2186	M	486
JR05	12.0932	1.4012	1.2106	744	589	852	2185	M	487
JU58	10.1731	1.5141	1.5071	479	676	1028	2183	M	488
RU30	12.5251	1.6529	0.9389	794	758	630	2182	M	489
BS14	8.0191	1.7399	2.4865	176	798	1205	2179	M	490
CU27	12.0934	2.0003	0.8712	745	884	547	2176	M	491
JM47	12.1655	1.5307	1.0595	752	684	739	2175	M	492
RU76	13.4602	1.4861	0.9665	871	651	653	2175	M	493
JM25	15.3944	1.8197	0.7464	974	825	374	2173	M	494
RA23	12.1432	1.5302	1.0597	750	682	740	2172	M	495
PL62	9.5021	1.9161	1.3318	373	867	931	2171	M	496

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
RA42	12.3705	1.5059	1.0498	773	665	730	2168	M	497
JA20	10.6151	2.0579	1.0368	552	896	719	2167	M	498
PU01	10.7391	1.5597	1.2583	572	711	881	2164	M	499
TP03	8.2056	1.7027	2.1699	203	776	1184	2163	M	500
NE07	12.3842	1.0866	1.7260	776	285	1101	2162	M	501
RD26	10.6772	1.2913	1.7456	562	485	1106	2153	M	502
RU10	10.2600	1.5018	1.4301	501	660	990	2151	M	503
NE55	11.3233	1.4456	1.2563	649	623	878	2150	M	504
YO12	13.1329	1.6153	0.8836	845	738	562	2145	M	505
AO08	13.7717	3.5247	0.6072	888	1025	231	2144	M	506
RD49	12.1038	1.4792	1.0733	746	648	750	2144	M	507
TP11	10.0872	1.3307	1.9552	464	528	1151	2143	M	508
JM62	9.8616	1.6076	1.3842	441	735	964	2140	M	509
AO09	13.7184	3.6385	0.5992	886	1031	222	2139	M	510
RD09	12.4097	1.4650	1.0241	780	639	714	2133	M	511
AO23	4.8640	2.2172	2.0925	33	920	1176	2129	M	512
BS05	7.8020	1.7134	2.3519	151	783	1195	2129	M	513
JM13	10.0647	1.4556	1.5144	462	631	1033	2126	M	514
JR21	12.7408	1.4188	1.0219	810	605	710	2125	M	515
CB32	16.3332	4.1736	0.4002	999	1049	72	2120	M	516
CM03	13.3538	1.6159	0.8406	863	740	507	2110	M	517
RD75	12.1191	1.4996	1.0098	748	659	698	2105	M	518
CB36	15.3190	3.9965	0.4417	969	1042	90	2101	M	519
YO27	13.1107	2.7588	0.6496	843	982	273	2098	M	520
PS84	14.6872	1.5398	0.8068	941	694	462	2097	M	521
BS23	8.5563	1.5078	2.1663	242	668	1183	2093	M	522
CB18	10.3435	2.0193	1.0058	516	886	691	2093	M	523
RD28	10.6235	1.3065	1.5064	554	508	1027	2089	M	524
BS31	9.4922	1.5833	1.4411	369	724	995	2088	M	525
JR11	11.4874	1.3481	1.2526	672	540	876	2088	M	526
JU23	10.5960	1.3841	1.3906	545	570	968	2083	M	527
CM22	13.6759	1.8214	0.7414	883	827	363	2073	M	528
RA63	15.2191	3.1274	0.4469	964	1012	96	2072	M	529
RA36	15.5285	1.4363	0.8164	978	619	474	2071	M	530
YO31	14.7715	3.4711	0.4463	946	1021	95	2062	M	531
YO29	13.1075	2.9599	0.5935	841	1001	218	2060	M	532

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
RD72	12.2839	1.5422	0.9074	766	697	591	2054	M	533
JL16	12.3872	1.7169	0.8265	777	786	490	2053	M	534
RD07	12.6335	1.3733	1.0064	801	560	692	2053	M	535
JR13	10.6721	1.3119	1.4106	561	513	978	2052	M	536
RU94	9.4658	1.5707	1.3860	365	717	965	2047	M	537
JM37	14.2502	1.7826	0.6940	917	810	317	2044	M	538
PS29	16.4600	2.2661	0.4649	1005	928	110	2043	M	539
NE42	9.8986	1.7151	1.1488	445	785	811	2041	M	540
JM40	11.9874	1.4918	0.9652	731	656	651	2038	M	541
RA39	15.4092	1.7352	0.6449	975	794	269	2038	M	542
RU93	11.4887	1.5465	0.9702	673	701	656	2030	M	543
RU86	11.3388	1.4990	1.0334	653	658	717	2028	M	544
RA35	11.1845	1.4772	1.0732	631	645	749	2025	M	545
RA41	12.9480	1.5981	0.8147	823	730	471	2024	M	546
NE58	11.3207	1.2058	1.4030	648	399	976	2023	M	547
CM17	12.4375	1.6762	0.8157	783	766	473	2022	M	548
JM02	14.9620	1.6895	0.6718	956	770	293	2019	M	549
NE38	11.0886	1.3466	1.2263	621	538	860	2019	M	550
BS22	8.9071	1.4071	1.8885	288	594	1136	2018	M	551
PS63	11.9563	1.8531	0.7991	727	842	449	2018	M	552
TH40	9.3392	1.3835	1.7427	345	568	1105	2018	M	553
JM15	10.2331	1.4388	1.2762	496	622	899	2017	M	554
JU05	10.8989	1.3758	1.2292	593	561	862	2016	M	555
PU02	19.3192	1.0328	1.0207	1072	238	706	2016	M	556
RD29	9.6399	1.3131	1.7287	399	515	1102	2016	M	557
NE74	10.4047	1.2996	1.4210	525	498	985	2008	M	558
BS24	9.0742	1.4275	1.6490	310	613	1080	2003	M	559
JU04	11.5913	1.4086	1.0351	685	595	718	1998	M	560
PS28	14.8580	2.3041	0.4611	951	939	108	1998	M	561
PS52	11.4467	2.2169	0.7736	666	919	405	1990	M	562
PS87	23.3607	1.3094	0.7099	1141	509	337	1987	M	563
PS46	10.0923	1.3140	1.4588	465	516	1004	1985	M	564
RU08	10.2407	1.4200	1.2568	499	607	879	1985	M	565
CU19	11.3268	1.7379	0.8647	651	797	536	1984	M	566
JM24	14.4289	1.1516	1.0241	926	345	713	1984	M	567
YO39	11.6467	1.4705	0.9621	692	642	648	1982	M	568

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
JU39	9.0801	1.4809	1.4977	312	649	1020	1981	M	569
RA27	12.3792	1.6782	0.7873	774	768	428	1970	M	570
JR07	10.7036	1.2715	1.3461	567	463	939	1969	M	571
RD42	13.8345	1.5392	0.7544	893	693	383	1969	M	572
YO11	12.8647	1.7356	0.7320	817	795	356	1968	M	573
JU68	10.5991	1.6156	0.9888	546	739	677	1962	M	574
RA52	10.5746	2.3103	0.8198	540	940	480	1960	M	575
RA01	10.6427	1.2846	1.3219	556	475	923	1954	M	576
JR08	10.8272	1.2756	1.2722	584	471	897	1952	M	577
PS82	12.2241	1.5132	0.8474	759	675	518	1952	M	578
RL02	8.7398	1.4600	1.5343	268	637	1044	1949	M	579
PL07	14.9207	1.1567	0.9619	952	349	647	1948	M	580
PL59	11.3233	1.2343	1.2412	650	427	867	1944	M	581
JU70	8.9633	1.5063	1.4173	295	666	982	1943	M	582
AO04	12.5315	3.4344	0.4966	795	1019	128	1942	M	583
CU26	13.3816	1.8522	0.6090	865	841	235	1941	M	584
JR14	11.1072	1.1265	1.4539	622	319	1000	1941	M	585
RU05	8.7560	1.3430	1.8406	270	535	1130	1935	M	586
RU47	10.5769	1.3522	1.2065	541	545	849	1935	M	587
PL09	14.1813	1.2524	0.8962	913	445	576	1934	M	588
CU09	11.9063	1.6221	0.8098	722	745	464	1931	M	589
NE82	9.8081	1.3775	1.3489	426	564	940	1930	M	590
JM34	11.9685	1.6207	0.8040	728	743	458	1929	M	591
PS31	13.7495	2.5133	0.4037	887	965	77	1929	M	592
YO14	12.9018	1.5304	0.7872	818	683	427	1928	M	593
BS10	7.5523	1.4947	1.8506	129	657	1132	1918	M	594
JM78	10.9097	1.3996	1.0448	596	588	728	1912	M	595
JU08	9.5930	1.4122	1.3293	385	598	929	1912	M	596
PS20	12.4703	2.0431	0.6077	786	892	232	1910	M	597
JU56	8.6506	1.4133	1.5579	256	599	1053	1908	M	598
JM84	14.6887	1.6425	0.5888	942	751	211	1904	M	599
PL58	8.4237	1.3259	1.9851	225	524	1154	1903	M	600
YO15	11.8782	1.5153	0.8435	717	677	509	1903	M	601
JM60	10.0164	1.4152	1.1975	457	602	843	1902	M	602
JR01	11.7797	1.2243	1.0995	705	420	776	1901	M	603
RA21	13.6538	1.7116	0.6100	881	782	238	1901	M	604

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
TH22	10.1653	1.4145	1.1602	478	601	819	1898	M	605
RA19	15.5303	1.3486	0.7452	979	541	373	1893	M	606
YO09	11.1775	1.5471	0.8831	630	702	561	1893	M	607
JR16	12.2744	1.4027	0.8676	763	590	538	1891	M	608
PL16	11.9818	1.2560	1.0234	729	450	712	1891	M	609
YO10	11.8837	1.5799	0.7996	718	723	450	1891	M	610
RA45	9.6336	1.5696	1.1026	395	716	779	1890	M	611
JM23	9.6411	1.3292	1.3780	400	526	963	1889	M	612
JM01	14.4490	1.3938	0.7508	927	581	380	1888	M	613
YO43	10.2284	1.3782	1.1662	493	565	823	1881	M	614
BS29	7.4206	1.4679	1.8155	115	641	1121	1877	M	615
RU37	11.1775	1.2955	1.0805	629	490	758	1877	M	616
JU02	10.9142	1.5054	0.9204	599	664	611	1874	M	617
JR10	12.9857	1.4575	0.7749	830	633	406	1869	M	618
YO17	11.0679	1.4306	0.9374	620	615	629	1864	M	619
JM48	12.4793	1.3347	0.8681	790	533	540	1863	M	620
PS85	16.3562	1.3952	0.6581	1000	583	280	1863	M	621
JM76	11.6001	1.7035	0.7685	686	778	398	1862	M	622
RD31	11.4981	1.4374	0.8862	674	620	565	1859	M	623
TH11	9.4685	1.3502	1.3575	367	543	947	1857	M	624
JM36	12.9048	1.4122	0.7929	819	597	438	1854	M	625
NE49	13.9794	1.1587	0.9105	899	352	601	1852	M	626
TH39	9.5260	1.2917	1.4266	377	487	988	1852	M	627
JR02	10.8833	1.2107	1.2154	589	406	855	1850	L	628
PL38	13.5249	1.7237	0.5689	873	788	187	1848	L	629
JM18	13.6465	1.4267	0.7324	879	611	357	1847	L	630
YO01	12.9602	1.5352	0.7023	825	689	330	1844	L	631
PS53	10.9400	2.2414	0.6909	602	923	313	1838	L	632
RD69	10.2039	1.4311	1.0571	486	616	736	1838	L	633
RL04	8.1412	1.4268	1.5089	192	612	1029	1833	L	634
YO05	12.9759	1.5891	0.6530	829	727	277	1833	L	635
PL22	11.7435	0.9099	1.3943	701	158	970	1829	L	636
YO67	9.1200	1.4143	1.3063	315	600	914	1829	L	637
YO23	10.4742	1.4376	0.9888	529	621	678	1828	L	638
RU12	9.4828	1.2875	1.4117	368	479	980	1827	L	639
JU51	8.8121	1.3862	1.4038	277	572	977	1826	L	640

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
NE85	7.5856	1.3654	1.8969	131	553	1140	1824	L	641
RD30	10.2220	1.2132	1.3229	491	408	925	1824	L	642
TH24	16.2024	0.9927	0.9169	997	218	608	1823	L	643
YO25	12.2744	1.4720	0.7827	762	644	417	1823	L	644
NE01	7.8950	1.3624	1.7563	159	550	1109	1818	L	645
RU11	9.4389	1.2932	1.3890	362	488	967	1817	L	646
CB16	10.1606	1.8326	0.8410	474	832	508	1814	L	647
CM18	11.3813	1.6251	0.7770	656	747	410	1813	L	648
RD51	11.9181	1.3725	0.8581	723	559	529	1811	L	649
RA20	13.9826	1.4200	0.6836	900	606	303	1809	L	650
JR09	12.0595	1.4628	0.7878	740	638	430	1808	L	651
RD34	10.9117	1.2743	1.0636	597	465	745	1807	L	652
JR18	12.5509	1.3241	0.8253	796	522	488	1806	L	653
RA30	13.3893	1.2218	0.8536	866	416	524	1806	L	654
RD41	8.7812	1.4473	1.2869	275	625	906	1806	L	655
CB26	6.3724	1.6201	1.4539	60	742	1002	1804	L	656
JM17	10.1646	1.3691	1.0905	477	557	769	1803	L	657
JU44	12.8626	1.6634	0.6019	816	761	226	1803	L	658
PS57	12.6217	1.5511	0.6767	799	706	296	1801	L	659
NE16	8.9666	1.2308	1.6393	297	423	1078	1798	L	660
PL20	11.8470	1.5200	0.7724	714	678	402	1794	L	661
PL31	16.7008	1.2359	0.7222	1011	430	347	1788	L	662
RA06	11.5668	1.3713	0.8697	683	558	544	1785	L	663
RA28	10.1985	1.3665	1.0696	482	554	748	1784	L	664
NE33	10.6829	1.0835	1.3421	565	281	937	1783	L	665
NE12	8.9356	1.2395	1.5730	291	432	1058	1781	L	666
RA10	10.9028	1.2628	1.0507	594	454	733	1781	L	667
RL01	9.6004	1.3235	1.2426	390	521	870	1781	L	668
JM45	10.2705	1.3839	1.0211	504	569	707	1780	L	669
JU72	8.1370	1.3925	1.4775	190	578	1012	1780	L	670
YO06	12.6813	1.5027	0.6930	803	662	315	1780	L	671
TC01	11.4311	0.9718	1.2889	663	207	908	1778	L	672
RU73	10.2198	1.3346	1.0778	490	532	755	1777	L	673
PS58	10.4512	1.5399	0.8745	527	695	552	1774	L	674
CU14	11.9296	1.5750	0.7016	725	720	328	1773	L	675
NE02	8.1922	1.2698	1.7597	200	461	1111	1772	L	676

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
AO02	10.3507	3.0705	0.6184	518	1009	243	1770	L	677
RD48	11.3567	1.3097	0.9115	655	510	602	1767	L	678
RA50	12.0523	2.3633	0.4141	737	946	79	1762	L	679
JU41	10.7632	1.4542	0.8769	574	629	555	1758	L	680
RD46	11.2209	1.3341	0.9069	636	530	590	1756	L	681
RD64	11.1990	1.2485	0.9763	634	441	666	1741	L	682
JM59	12.3671	1.4783	0.6962	771	647	322	1740	L	683
RL10	10.9822	1.4283	0.8465	609	614	515	1738	L	684
NE19	9.1786	1.1883	1.5058	323	387	1026	1736	L	685
PS25	12.6981	1.5892	0.5834	805	728	202	1735	L	686
JM72	9.5598	1.5230	0.9828	382	679	670	1731	L	687
CM14	11.8912	1.5476	0.6862	719	703	306	1728	L	688
TP18	9.6936	1.1865	1.3405	407	385	934	1726	L	689
JM28	10.4827	1.4314	0.8920	533	617	574	1724	L	690
JU57	8.2253	1.2981	1.4981	206	493	1021	1720	L	691
RL07	11.5162	1.3629	0.8270	677	551	491	1719	L	692
RD33	8.9514	1.2802	1.3636	293	473	952	1718	L	693
NE14	9.1320	1.1843	1.4889	317	383	1016	1716	L	694
CM02	10.7912	1.4173	0.8646	576	604	535	1715	L	695
JR17	11.2339	1.2408	0.9528	638	434	642	1714	L	696
NE87	8.6592	1.2043	1.5698	258	398	1057	1713	L	697
PL34	14.3830	1.3104	0.6484	925	511	271	1707	L	698
CM08	10.9134	1.4221	0.8333	598	608	500	1706	L	699
JU27	11.0355	1.5780	0.7433	614	722	367	1703	L	700
TC11	11.3180	0.9497	1.2377	647	191	865	1703	L	701
JA25	10.8911	1.8361	0.6512	592	833	274	1699	L	702
NE52	9.3548	1.3052	1.1968	348	505	842	1695	L	703
JA24	11.6261	1.8947	0.5194	689	857	143	1689	L	704
RD65	10.9496	1.2358	0.9674	604	429	654	1687	L	705
TH19	9.6978	1.4521	0.9654	408	627	652	1687	L	706
CU13	10.6022	1.5507	0.7903	549	705	432	1686	L	707
NE84	6.7928	1.2705	1.9160	81	462	1142	1685	L	708
RD45	10.8218	1.2743	0.9467	583	466	636	1685	L	709
CM13	11.4391	1.6589	0.6368	665	760	259	1684	L	710
PL29	10.1388	0.8885	1.6057	472	146	1066	1684	L	711
JA04	10.9587	1.2881	0.9082	605	481	595	1681	L	712

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
JU66	9.8426	1.1340	1.3197	436	325	920	1681	L	713
YO08	11.2771	1.5525	0.7041	642	707	332	1681	L	714
RA16	12.7370	1.2676	0.7783	809	458	413	1680	L	715
JM83	10.8853	1.5132	0.7790	590	674	414	1678	L	716
JM16	11.8644	1.3169	0.7976	715	518	444	1677	L	717
JM68	11.7380	2.0531	0.4234	700	895	82	1677	L	718
PL60	7.3499	1.1946	2.0363	107	392	1165	1664	L	719
RD27	10.1052	1.1854	1.1503	467	384	812	1663	L	720
RU04	9.6914	1.1992	1.2249	406	394	859	1659	L	721
JU76	10.6469	1.1764	1.0409	558	373	722	1653	L	722
JL17	10.2644	1.9985	0.6444	502	883	267	1652	L	723
TH36	7.7671	1.3056	1.4487	148	506	997	1651	L	724
RD24	10.3239	1.0633	1.2520	514	261	875	1650	L	725
JA44	10.3720	2.1274	0.6011	520	903	224	1647	L	726
TC06	14.0627	0.7478	0.9761	905	76	665	1646	L	727
JU52	8.7661	1.2419	1.3412	272	436	935	1643	L	728
JU55	9.0175	1.3008	1.1820	304	501	833	1638	L	729
JA03	10.7939	1.3647	0.8393	577	552	506	1635	L	730
CU03	11.4605	1.3126	0.8004	669	514	451	1634	L	731
BS33	8.5101	1.1585	1.5353	237	351	1045	1633	L	732
RA08	10.2707	1.1714	1.0827	505	363	764	1632	L	733
TC19	7.7854	1.2914	1.4397	149	486	994	1629	L	734
RU74	10.8448	1.2318	0.9268	587	424	617	1628	L	735
NE40	10.1096	1.2909	0.9854	468	484	674	1626	L	736
RU92	11.4317	1.3962	0.7492	664	585	377	1626	L	737
YO26	10.0149	2.0216	0.6588	456	887	281	1624	L	738
NE13	12.4792	0.7874	1.0584	789	96	737	1622	L	739
JR19	11.8389	1.2531	0.8066	712	447	461	1620	L	740
PL64	8.1164	1.5416	1.0587	186	696	738	1620	L	741
TH37	8.3108	1.2991	1.2960	214	496	910	1620	L	742
PL13	15.9948	1.1752	0.6253	993	371	254	1618	L	743
JA01	11.8024	1.3590	0.7399	706	549	362	1617	L	744
RD58	11.3818	1.2973	0.8126	657	491	469	1617	L	745
BS30	8.8199	1.1605	1.4107	278	353	979	1610	L	746
TC16	11.3438	0.9161	1.1118	654	167	787	1608	L	747
YO41	9.8915	1.5315	0.8188	444	685	478	1607	L	748

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
PL42	14.7836	1.2744	0.5669	949	468	185	1602	L	749
RD62	10.8903	1.1971	0.9261	591	393	616	1600	L	750
RL22	8.8952	1.4254	1.0165	287	610	703	1600	L	751
YO24	12.2114	1.5113	0.5468	757	673	168	1598	L	752
JM67	10.9281	1.7050	0.5910	601	780	215	1596	L	753
PL32	12.2758	1.3944	0.6186	764	582	244	1590	L	754
RD67	12.0531	1.2986	0.7299	738	495	354	1587	L	755
RU60	11.4582	1.2616	0.8115	668	453	466	1587	L	756
RU59	10.3738	1.3201	0.8695	521	520	543	1584	L	757
JM05	9.3294	1.2747	1.0945	341	469	772	1582	L	758
RU65	12.5228	1.3551	0.6128	793	547	241	1581	L	759
RU13	9.3945	1.1395	1.2624	356	335	886	1577	L	760
RA47	9.5438	1.5379	0.8380	378	691	505	1574	L	761
RA18	15.3037	1.2754	0.5037	968	470	135	1573	L	762
JR12	11.4498	1.2329	0.8195	667	426	479	1572	L	763
NE50	9.2765	1.3014	1.0551	335	502	735	1572	L	764
PL10	13.1190	1.2434	0.6644	844	438	289	1571	L	765
PU04	9.7693	1.3767	0.9075	417	562	592	1571	L	766
RD66	10.9902	1.2154	0.8727	611	410	549	1570	L	767
CU04	12.1947	1.4591	0.5617	755	635	179	1569	L	768
JL55	8.0534	1.6486	0.9443	179	754	635	1568	L	769
PL53	8.1302	1.0872	1.7002	188	286	1094	1568	L	770
RD68	10.5196	1.2220	0.9202	536	417	610	1563	L	771
NE56	12.9222	0.9575	0.8681	822	201	539	1562	L	772
JM77	10.2720	1.5087	0.7545	506	670	384	1560	L	773
RU34	10.7755	1.1888	0.9081	575	388	594	1557	L	774
TC23	9.7903	1.2736	0.9841	420	464	673	1557	L	775
YO16	11.1595	1.3670	0.7489	625	555	376	1556	L	776
YO38	9.9575	1.6063	0.7450	450	733	372	1555	L	777
JM50	11.3061	1.2994	0.7761	646	497	409	1552	L	778
CU12	11.5102	1.5083	0.5856	675	669	207	1551	L	779
RD61	10.0319	1.3060	0.9024	458	507	585	1550	L	780
JU42	14.0726	0.7639	0.8749	908	84	553	1545	L	781
PL35	11.3061	1.1348	0.8884	645	329	570	1544	L	782
PL54	4.3631	1.1149	2.4338	31	310	1203	1544	L	783
JL50	6.7362	1.8200	0.9496	77	826	639	1542	L	784

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
JM79	11.0599	1.3961	0.7155	618	584	340	1542	L	785
RD35	10.2015	1.1817	0.9876	485	379	676	1540	L	786
JA13	10.5195	1.5678	0.6673	535	714	290	1539	L	787
NE17	10.2911	0.9940	1.1452	510	219	807	1536	L	788
RA34	12.3324	1.2884	0.6605	769	483	283	1535	L	789
RU36	10.0086	1.2693	0.9300	455	460	619	1534	L	790
JM32	10.9053	1.2483	0.8317	595	440	498	1533	L	791
TH27	8.5329	1.1466	1.3611	239	343	949	1531	L	792
RA04	10.3110	1.2536	0.8875	513	449	568	1530	L	793
RD59	10.7027	1.2531	0.8437	566	446	510	1522	L	794
PL15	13.0525	1.0650	0.7849	835	262	424	1521	L	795
JR20	11.1945	1.2846	0.7773	633	476	411	1520	L	796
RD50	11.5280	1.3000	0.7178	678	499	343	1520	L	797
YO44	10.2396	1.2855	0.8705	497	477	546	1520	L	798
TC20	6.8544	1.2948	1.3492	89	489	941	1519	L	799
PL44	12.3009	1.0543	0.8315	768	251	497	1516	L	800
PL08	14.9407	1.0950	0.6427	954	295	264	1513	L	801
RA22	10.2748	1.3029	0.8350	507	503	503	1513	L	802
RU14	9.5775	1.1676	1.0927	383	360	770	1513	L	803
PL46	9.6351	0.9628	1.3056	396	203	913	1512	L	804
CM16	10.6791	1.4246	0.7121	563	609	339	1511	L	805
PS64	10.8034	1.5611	0.5942	580	712	219	1511	L	806
CM12	10.6554	1.4044	0.7356	560	591	359	1510	L	807
PS16	11.8227	1.5450	0.4545	710	700	100	1510	L	808
PS30	12.2512	1.4564	0.4724	761	632	114	1507	L	809
NE51	8.5965	1.2979	1.0860	244	492	765	1501	L	810
RU79	10.1916	1.1644	0.9747	480	358	661	1499	L	811
JA02	9.8552	1.3251	0.8640	438	523	534	1495	L	812
JL54	8.0005	1.6218	0.8962	174	744	577	1495	L	813
TC29	17.0983	0.7601	0.7632	1021	81	392	1494	L	814
NE39	8.6034	1.0686	1.4013	247	266	973	1486	L	815
PS14	9.7821	1.9309	0.5770	418	874	194	1486	L	816
RA17	15.1407	1.2606	0.3813	963	452	68	1483	L	817
TC17	6.7565	1.1704	1.5193	80	362	1036	1478	L	818
PS83	14.4861	1.1909	0.5380	929	389	154	1472	L	819
PS65	9.8086	1.6373	0.6641	427	748	288	1463	L	820

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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	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
PU03	10.2272	1.3877	0.7612	492	574	391	1457	L	821
NE06	8.4519	1.0721	1.3623	232	273	950	1455	L	822
PS69	7.6722	1.4161	1.0218	142	603	709	1454	L	823
PS67	11.4000	1.3844	0.6006	659	571	223	1453	L	824
PS32	10.2849	2.0490	0.3214	509	894	49	1452	L	825
CU06	12.0234	1.5049	0.3309	734	663	50	1447	L	826
JM27	9.5141	1.1941	0.9909	375	391	680	1446	L	827
JM82	9.8199	1.3986	0.7841	429	587	423	1439	L	828
JU85	8.1123	1.2189	1.1869	184	413	837	1434	L	829
PL18	13.1468	1.1866	0.5808	847	386	201	1434	L	830
RU91	11.2922	1.2877	0.6874	643	480	310	1433	L	831
NE63	8.4439	1.0502	1.3651	229	249	954	1432	L	832
RD53	9.2076	1.2022	1.0216	326	395	708	1429	L	833
NE09	7.6866	1.0720	1.4772	145	272	1011	1428	L	834
TC18	8.9223	1.1460	1.1223	290	341	796	1427	L	835
JA38	9.5240	1.4522	0.7838	376	628	420	1424	L	836
PL43	11.6194	1.1691	0.7485	688	361	375	1424	L	837
PL47	8.1604	0.8602	1.7181	194	129	1099	1422	L	838
JU29	10.6008	1.5300	0.5766	547	681	193	1421	L	839
RD57	10.2831	1.2364	0.8224	508	431	482	1421	L	840
TH38	8.6444	1.1400	1.1806	255	336	830	1421	L	841
PL37	14.5762	1.1718	0.4812	934	364	119	1417	L	842
JU73	10.2111	1.0297	1.0068	488	235	693	1416	L	843
RD54	10.1535	1.2744	0.8176	473	467	476	1416	L	844
PS34	10.3469	1.8808	0.3446	517	846	52	1415	L	845
RU72	10.9587	1.1787	0.7878	606	377	431	1414	L	846
RA49	9.4633	1.6709	0.6608	363	764	284	1411	L	847
RU26	7.6582	1.3486	1.0422	141	542	724	1407	L	848
RU66	9.8839	1.1342	0.9477	443	327	637	1407	L	849
PL30	9.9334	0.7761	1.2386	448	91	866	1405	L	850
JU53	9.4289	1.2273	0.9321	361	421	622	1404	L	851
JM43	10.1996	1.2874	0.7952	483	478	442	1403	L	852
RA07	14.0325	1.0059	0.6516	903	224	275	1402	L	853
JM63	10.9428	1.5317	0.4667	603	686	111	1400	L	854
NE60	9.7602	1.1614	0.9349	416	354	628	1398	L	855
NE64	14.2427	0.7279	0.7778	916	70	412	1398	L	856

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
NE88	8.4828	1.0484	1.3087	234	248	915	1397	L	857
PU15	9.2416	1.1770	1.0043	330	376	690	1396	L	858
PS71	9.6373	1.5553	0.6610	397	709	285	1391	L	859
TH33	13.4235	0.7520	0.7981	868	77	446	1391	L	860
PL33	12.6531	1.1558	0.6124	802	348	240	1390	L	861
RU75	10.1962	1.2643	0.8020	481	455	453	1389	L	862
RU53	12.5079	0.8598	0.8108	791	128	465	1384	L	863
PL17	11.8107	1.3317	0.5170	707	529	141	1377	L	864
JU54	8.7310	1.0943	1.1519	267	294	814	1375	L	865
RA51	9.5939	1.7893	0.5572	386	814	175	1375	L	866
JM81	10.6215	1.2981	0.6972	553	494	324	1371	L	867
PL25	9.7272	0.8301	1.2030	410	112	848	1370	L	868
NE26	11.2318	1.2576	0.6554	637	451	279	1367	L	869
RU71	9.5947	1.1267	0.9742	387	320	659	1366	L	870
JM14	9.3706	1.1766	0.9521	351	374	640	1365	L	871
TH06	8.8620	1.1450	1.0622	280	339	743	1362	L	872
TH30	8.2545	1.1746	1.1097	210	368	784	1362	L	873
PL41	8.2203	0.9149	1.4337	205	164	991	1360	L	874
RU87	11.6770	1.2673	0.5884	693	457	210	1360	L	875
RA13	13.1045	0.6079	0.8255	839	31	489	1359	L	876
JA18	10.4022	1.6929	0.3740	524	772	62	1358	L	877
JR22	10.7047	1.2100	0.7563	568	403	387	1358	L	878
TH04	9.1206	1.4519	0.7820	316	626	416	1358	L	879
PL48	6.5283	0.9436	1.7413	67	185	1104	1356	L	880
CB25	6.4907	1.3186	1.0872	66	519	766	1351	L	881
JA17	9.3285	1.4709	0.7421	339	643	366	1348	L	882
TC09	11.3925	0.7573	0.9161	658	79	607	1344	L	883
PL14	10.1249	1.1822	0.8279	469	381	492	1342	L	884
NE05	9.1804	1.0093	1.1122	324	226	790	1340	L	885
JA19	9.9422	1.6053	0.5386	449	732	156	1337	L	886
JL58	8.1632	1.3926	0.8846	195	579	563	1337	L	887
TC07	11.6339	0.6218	0.9189	691	35	609	1335	L	888
CB34	8.6819	2.4922	0.4622	260	964	109	1333	L	889
PS73	9.1813	1.0998	1.0206	325	303	705	1333	L	890
PL04	12.5703	0.9447	0.7157	798	186	342	1326	L	891
RU67	10.4707	1.1583	0.7985	528	350	448	1326	L	892

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
RL03	8.6313	1.1446	1.0505	254	338	732	1324	L	893
JM64	10.6431	1.3800	0.5799	557	566	200	1323	L	894
JA14	11.2505	1.3771	0.4768	641	563	117	1321	L	895
RU62	10.4761	1.2230	0.7448	531	418	371	1320	L	896
PL19	12.7100	1.1747	0.5172	806	369	142	1317	L	897
JA27	10.0787	1.4676	0.5898	463	640	213	1316	L	898
NE76	39.2426	0.6627	0.2942	1231	47	38	1316	L	899
NE03	7.6575	0.9703	1.3939	140	206	969	1315	L	900
JM04	7.8207	1.1305	1.1825	154	324	834	1312	L	901
JA26	9.4670	1.5282	0.6418	366	680	262	1308	L	902
JU80	10.6513	1.1124	0.7938	559	308	440	1307	L	903
PL57	4.0318	0.8318	2.0283	29	114	1162	1305	L	904
JA21	9.8567	1.5884	0.5115	439	726	138	1303	L	905
RU88	11.0547	1.1929	0.6736	617	390	294	1301	L	906
RL05	6.2617	1.1520	1.2703	57	346	895	1298	L	907
YA06	9.0771	1.1615	0.9417	311	355	632	1298	L	908
CU10	10.7054	1.4064	0.5028	569	592	133	1294	L	909
NE79	8.4302	1.0101	1.1825	226	228	835	1289	L	910
RD43	9.2798	1.1767	0.8977	336	375	578	1289	L	911
PL11	14.3341	1.0043	0.5237	920	222	146	1288	L	912
PS76	8.3944	1.4346	0.7982	221	618	447	1286	L	913
PL51	7.5932	0.9425	1.3876	133	183	966	1282	L	914
PL36	13.6512	1.0719	0.4891	880	270	123	1273	L	915
JU12	8.8704	1.0700	1.0419	282	267	723	1272	L	916
JM80	9.5474	1.2513	0.7980	380	443	445	1268	L	917
RU25	8.3376	1.1800	0.9830	217	378	671	1266	L	918
RU78	10.4136	1.1370	0.7756	526	331	408	1265	L	919
JM30	8.0742	1.0549	1.1785	183	253	827	1263	L	920
JM06	9.3543	1.0595	0.9703	347	258	657	1262	L	921
PS86	12.7120	1.0090	0.6048	807	225	228	1260	L	922
RD39	7.5200	1.0121	1.2838	126	229	903	1258	L	923
YA07	9.6293	1.0545	0.9224	394	252	612	1258	L	924
RL06	6.4771	1.0904	1.2768	64	289	900	1253	L	925
JM69	9.8034	1.4898	0.5520	424	654	172	1250	L	926
JM66	10.3646	1.5070	0.3699	519	667	61	1247	L	927
BS28	7.4401	1.0895	1.1919	116	288	839	1243	L	928

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
RD52	9.7934	1.1424	0.8228	422	337	484	1243	L	929
RU38	8.4600	1.1064	1.0195	233	304	704	1241	L	930
NE68	10.0472	1.3150	0.6212	461	517	249	1227	L	931
RA09	9.2139	0.9560	1.0124	327	199	700	1226	L	932
JA32	9.8640	1.5901	0.3484	442	729	54	1225	L	933
TC15	6.0706	1.0536	1.3134	50	250	918	1218	L	934
JM44	11.1365	1.1539	0.6208	624	347	246	1217	L	935
JM65	10.8324	1.3511	0.4022	585	544	75	1204	L	936
RD32	8.9396	1.1837	0.8554	292	382	527	1201	L	937
JA28	10.4780	1.3903	0.4427	532	576	91	1199	L	938
PL03	11.7365	0.8639	0.7419	699	132	364	1195	L	939
PS72	9.1405	1.1506	0.8627	318	344	533	1195	L	940
PL52	6.2072	0.8074	1.5143	52	102	1032	1186	L	941
JM35	10.7255	1.3007	0.4718	571	500	113	1184	L	942
JM38	9.7865	1.2086	0.7387	419	400	360	1179	L	943
PL56	8.3268	0.9903	1.0613	215	214	741	1170	L	944
YA05	8.4464	1.0763	0.9753	231	276	662	1169	L	945
BS02	8.0145	0.9305	1.1657	175	171	821	1167	L	946
JU01	9.3504	1.1185	0.8350	346	316	502	1164	L	947
PL45	12.0170	0.9671	0.6036	732	205	227	1164	L	948
RL17	8.7141	1.0734	0.9313	265	275	621	1161	L	949
RA05	9.1066	1.0631	0.9002	314	260	583	1157	L	950
CB28	8.5518	1.8924	0.3622	241	855	58	1154	L	951
JM26	9.1649	1.1174	0.8469	321	315	517	1153	L	952
CM11	11.1365	1.1731	0.5432	623	366	163	1152	L	953
RL23	8.8850	1.2124	0.8041	285	407	459	1151	L	954
CU05	11.1862	1.2687	0.3629	632	459	59	1150	L	955
JU81	7.9097	1.0994	0.9978	160	301	684	1145	L	956
JM03	8.5397	1.0891	0.9249	240	287	615	1142	L	957
YO21	9.6830	1.2789	0.6420	405	472	263	1140	L	958
RU16	7.8413	1.0769	1.0152	156	277	702	1135	L	959
TC10	6.9666	1.0136	1.1486	94	231	810	1135	L	960
RA03	8.8938	0.9413	0.9811	286	180	668	1134	L	961
JM74	10.1029	1.2160	0.6302	466	411	256	1133	L	962
PU13	9.5923	1.1370	0.7807	384	332	415	1131	L	963
JU74	9.5978	0.8943	0.9045	389	150	589	1128	L	964

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
RD55	9.4119	1.1064	0.8075	358	305	463	1126	L	965
TC12	10.8165	0.7035	0.8230	582	58	485	1125	L	966
PS70	7.6450	1.2468	0.8688	138	439	541	1118	L	967
CB24	8.2068	1.3809	0.7221	204	567	346	1117	L	968
TH08	9.4642	1.0980	0.7948	364	298	441	1103	L	969
CM10	10.7141	1.1749	0.5429	570	370	162	1102	L	970
JU17	10.2494	1.2417	0.5452	500	435	165	1100	L	971
TH12	12.0271	0.7285	0.6699	735	71	291	1097	L	972
PL39	10.7428	1.2402	0.4363	573	433	87	1093	L	973
JU28	10.3312	1.2673	0.4861	515	456	121	1092	L	974
PL55	7.1123	0.9975	1.0929	98	220	771	1089	L	975
CU07	10.5910	1.1818	0.5449	543	380	164	1087	L	976
JU67	8.6178	1.2428	0.7645	250	437	395	1082	L	977
RA11	9.6446	0.9154	0.8449	403	165	513	1081	L	978
TH17	7.9522	1.1138	0.9143	166	309	606	1081	L	979
RU68	9.6274	1.1159	0.7440	393	312	368	1073	L	980
JA37	9.2560	1.3438	0.5772	332	536	196	1064	L	981
PL05	12.0229	0.8753	0.5771	733	136	195	1064	L	982
RD47	10.2062	1.0782	0.6810	487	278	299	1064	L	983
PS77	8.4395	1.3112	0.6968	228	512	323	1063	L	984
TC08	10.2646	0.8002	0.8059	503	100	460	1063	L	985
JA39	8.7806	1.3296	0.6406	274	527	261	1062	L	986
JA33	9.6417	1.3568	0.4570	401	548	105	1054	L	987
PL49	7.4489	0.7230	1.2418	118	68	868	1054	L	988
JU50	7.5362	1.0339	0.9964	128	239	682	1049	L	989
PU18	11.6812	1.0706	0.4346	694	268	86	1048	L	990
NE66	12.1953	0.7397	0.5934	756	73	217	1046	L	991
JA34	9.7512	1.3879	0.3566	414	575	56	1045	L	992
JM57	9.3357	1.2101	0.6793	343	404	297	1044	L	993
TH35	8.8113	0.9925	0.8734	276	217	550	1043	L	994
JM56	9.4137	1.2882	0.5780	359	482	198	1039	L	995
RD44	9.7593	1.1342	0.6798	415	326	298	1039	L	996
RD56	9.5948	1.1170	0.7050	388	314	334	1036	L	997
NE72	8.8633	1.2319	0.6992	281	425	327	1033	L	998
NE59	11.2346	1.1632	0.0034	639	357	31	1027	L	999
JA30	10.6798	1.2202	0.3187	564	414	48	1026	L	1000

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
NE86	7.7948	0.8366	1.0766	150	119	753	1022	L	1001
TH32	7.4088	1.0673	0.9613	111	264	646	1021	L	1002
PL12	9.8467	0.9497	0.7561	437	190	386	1013	L	1003
TC03	6.8634	0.8457	1.1246	90	123	798	1011	L	1004
JU11	7.9397	0.9107	0.9984	165	160	685	1010	L	1005
RU83	10.2161	1.1280	0.5774	489	321	197	1007	L	1006
JM42	10.2299	1.0674	0.6202	494	265	245	1004	L	1007
NE71	6.7273	0.8367	1.1393	75	120	805	1000	L	1008
RA46	8.4921	0.9376	0.9035	235	176	587	998	L	1009
RU80	9.6263	1.1342	0.6526	392	328	276	996	L	1010
TH31	7.9821	0.9547	0.9344	170	198	627	995	L	1011
RU69	9.6255	1.0929	0.6867	391	293	307	991	L	1012
PL24	5.5310	0.6244	1.3128	38	36	916	990	L	1013
PU19	11.4743	1.0444	0.3851	671	247	70	988	L	1014
NE41	8.7004	1.1219	0.7756	262	317	407	986	L	1015
RU63	10.3978	1.0848	0.5580	522	283	176	981	L	1016
TH26	7.7262	0.9143	0.9753	147	161	663	971	L	1017
JU43	9.8398	1.2097	0.5011	435	402	132	969	L	1018
RU84	7.9637	1.0437	0.8753	168	246	554	968	L	1019
RD60	9.0987	1.1247	0.7086	313	318	336	967	L	1020
JM10	8.7778	0.8340	0.8916	273	117	572	962	L	1021
RD63	10.0330	1.0721	0.6054	459	274	229	962	L	1022
PU08	8.6530	1.0250	0.8133	257	234	470	961	L	1023
TH07	11.1709	0.7128	0.6483	628	63	270	961	L	1024
RD37	8.6058	1.0572	0.8037	248	256	456	960	L	1025
PS68	9.1770	1.1728	0.6397	322	365	260	947	L	1026
JM73	10.1253	1.1763	0.4559	470	372	104	946	L	1027
YO07	10.1638	1.1390	0.5030	476	334	134	944	L	1028
JM58	9.5139	1.2522	0.4919	374	444	125	943	L	1029
JU37	6.5377	0.9831	0.9760	68	211	664	943	L	1030
TH13	12.8106	0.5295	0.4549	813	28	102	943	L	1031
JM70	9.4278	1.3279	0.3358	360	525	51	936	L	1032
JA31	9.7912	1.2236	0.4453	421	419	94	934	L	1033
TH29	8.0617	0.9455	0.8869	181	187	566	934	L	1034
JA22	9.4032	1.1078	0.6430	357	306	266	929	L	1035
TC02	9.3286	0.7255	0.8482	340	69	519	928	L	1036

2014 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	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
JA36	8.2724	1.2357	0.6617	212	428	286	926	L	1037
RU09	8.2925	0.9427	0.8533	213	184	523	920	L	1038
NE20	7.7229	0.9375	0.9093	146	175	597	918	L	1039
RD36	8.8356	1.0157	0.7697	279	232	401	912	L	1040
TH10	7.8439	0.9359	0.8990	157	174	581	912	L	1041
PL40	10.8375	1.0404	0.4035	586	243	76	905	L	1042
JL03	6.9498	1.2302	0.7576	92	422	388	902	L	1043
TH42	10.1608	0.6360	0.7543	475	40	382	897	L	1044
RU58	8.9873	1.0094	0.7446	299	227	370	896	L	1045
JM29	8.1941	0.9143	0.8617	201	162	532	895	L	1046
CB23	9.3322	1.2498	0.4584	342	442	106	890	L	1047
JA23	9.0543	1.2174	0.5473	309	412	169	890	L	1048
CM06	8.0566	1.0716	0.7931	180	269	439	888	L	1049
JA15	9.3727	1.1362	0.5841	353	330	204	887	L	1050
RD77	7.6775	0.9513	0.8700	144	195	545	884	L	1051
JU10	8.9149	0.8304	0.8221	289	113	481	883	L	1052
TH15	10.6144	0.7871	0.6098	551	95	237	883	L	1053
TH18	10.5413	0.7745	0.6245	539	89	253	881	L	1054
JM53	9.1528	1.2205	0.5216	319	415	145	879	L	1055
JA29	9.8088	1.2106	0.3044	428	405	42	875	L	1056
TC21	8.1771	1.0377	0.7913	199	241	433	873	L	1057
RL12	8.1553	1.0607	0.7831	193	259	418	870	L	1058
RU70	9.8276	1.0551	0.5665	432	254	184	870	L	1059
NE22	8.7160	1.0392	0.7399	266	242	361	869	L	1060
TH20	9.9162	0.7759	0.7017	446	90	329	865	L	1061
PU16	10.4750	1.0811	0.3552	530	279	55	864	L	1062
RA14	8.1741	0.8778	0.8465	197	137	516	850	L	1063
JM51	8.6124	1.0907	0.6867	249	290	308	847	L	1064
RD38	8.6849	1.0123	0.7291	261	230	351	842	L	1065
JM31	9.5455	1.1152	0.5332	379	311	150	840	L	1066
RL16	7.6424	1.1096	0.7654	137	307	396	840	L	1067
RL15	5.3017	0.8623	0.9833	35	131	672	838	L	1068
PL26	9.2929	0.6660	0.8008	337	48	452	837	L	1069
JU40	7.4101	1.0840	0.7919	112	282	436	830	L	1070
RU50	10.3087	1.0720	0.3140	512	271	46	829	L	1071
TH28	8.9840	0.9499	0.7114	298	192	338	828	L	1072

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
RA12	9.3708	0.8971	0.6947	352	153	319	824	L	1073
NE44	8.0000	1.1165	0.7068	173	313	335	821	L	1074
RU40	8.3479	0.9505	0.7695	219	193	400	812	L	1075
RU42	11.0482	0.7187	0.5002	616	65	131	812	L	1076
TC13	8.7638	0.6479	0.8288	271	45	493	809	L	1077
CB22	9.1581	1.2133	0.4007	320	409	73	802	L	1078
JA41	9.0208	1.2035	0.4548	305	396	101	802	L	1079
JU14	7.0007	0.9037	0.8743	95	155	551	801	L	1080
JM52	9.2392	1.1618	0.4691	329	356	112	797	L	1081
RU19	6.3333	0.9415	0.8796	59	181	557	797	L	1082
CU08	9.7999	1.0995	0.3822	423	302	69	794	L	1083
JU22	8.0245	1.0421	0.7443	178	244	369	791	L	1084
JU18	9.7315	1.1450	0.2965	411	340	39	790	L	1085
RU64	9.8264	1.0241	0.4934	431	233	126	790	L	1086
JM12	8.6714	1.0321	0.6714	259	237	292	788	L	1087
PS79	10.8758	0.8849	0.3483	588	142	53	783	L	1088
JU20	7.6499	0.8902	0.8292	139	147	494	780	L	1089
JU21	6.8331	0.7475	0.9280	87	75	618	780	L	1090
JL18	7.9113	1.1644	0.6348	161	359	258	778	L	1091
TH02	9.8366	0.8345	0.6016	434	118	225	777	L	1092
PL27	6.8203	0.6461	0.9561	84	44	643	771	L	1093
TH16	10.1349	0.7191	0.6084	471	66	233	770	L	1094
JA08	9.8589	1.0435	0.4171	440	245	80	765	L	1095
JA16	9.2958	1.1739	0.3654	338	367	60	765	L	1096
RL20	8.3953	1.1281	0.5922	222	322	216	760	L	1097
RA48	7.1438	1.0046	0.7918	100	223	435	758	L	1098
JA09	8.7560	1.0952	0.5704	269	296	188	753	L	1099
PL02	9.6380	0.9145	0.5761	398	163	192	753	L	1100
PU10	8.5653	0.9509	0.6930	243	194	316	753	L	1101
JA06	9.6421	1.0553	0.4439	402	255	93	750	L	1102
PS75	10.5220	0.8749	0.4008	537	135	74	746	L	1103
RL11	8.6285	1.0339	0.6212	253	240	250	743	L	1104
TC28	9.4940	0.6331	0.7033	370	38	331	739	L	1105
JA35	8.3360	1.0983	0.5964	216	300	220	736	L	1106
JL38	8.5254	1.1462	0.5384	238	342	155	735	L	1107
CU02	7.6270	1.0665	0.7047	135	263	333	731	L	1108

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
JA10	9.2729	1.0952	0.4541	334	297	99	730	L	1109
JU45	9.0312	1.0853	0.5124	306	284	139	729	L	1110
RL21	6.9309	1.0315	0.7584	91	236	389	716	L	1111
NE81	5.8417	0.7855	0.8884	45	94	569	708	L	1112
JU47	9.4979	1.0918	0.3073	371	292	44	707	L	1113
NE73	5.6208	0.6484	0.9248	40	46	614	700	L	1114
RU54	10.2400	0.9021	0.3143	498	154	47	699	L	1115
RU18	6.7286	0.8936	0.8118	76	149	468	693	L	1116
JA07	8.7138	1.0834	0.5243	264	280	147	691	L	1117
PU09	8.9880	0.9753	0.5632	300	209	180	689	L	1118
JA05	9.3641	1.0584	0.4199	350	257	81	688	L	1119
NE32	8.9999	0.7351	0.6895	301	72	311	684	L	1120
RL14	8.1123	0.9669	0.6603	185	204	282	671	L	1121
PL01	7.9895	0.8961	0.7203	172	152	344	668	L	1122
PL28	5.0102	0.8173	0.8511	34	105	520	659	L	1123
JU13	7.4534	0.9255	0.7419	119	170	365	654	L	1124
PU12	8.9638	0.9163	0.5725	296	168	189	653	L	1125
JM71	8.8721	1.0980	0.3763	283	299	64	646	L	1126
RL08	4.2098	0.7962	0.8464	30	99	514	643	L	1127
CM01	7.3742	0.9396	0.7306	109	178	355	642	L	1128
PL50	3.4559	0.6211	0.8988	28	34	580	642	L	1129
JM11	7.5175	0.7687	0.7856	125	86	425	636	L	1130
PL21	8.2496	0.7426	0.7242	208	74	348	630	L	1131
TH21	9.3828	0.6161	0.6109	355	33	239	627	L	1132
AO03	5.7256	1.3472	0.3104	42	539	45	626	L	1133
CM04	7.1907	0.9402	0.7212	102	179	345	626	L	1134
RU15	6.8372	0.8868	0.7644	88	144	394	626	L	1135
JA12	6.6619	0.8822	0.7731	73	139	404	616	L	1136
RU82	7.0011	0.9156	0.7295	96	166	353	615	L	1137
RU39	9.2252	0.9538	0.4381	328	197	88	613	L	1138
RU07	9.8055	0.8932	0.0069	425	148	33	606	L	1139
RL18	7.8169	0.9424	0.6447	153	182	268	603	L	1140
CM09	8.1291	0.9581	0.5897	187	202	212	601	L	1141
PS78	7.8022	0.9486	0.6348	152	189	257	598	L	1142
JM55	7.9599	0.9912	0.5901	167	216	214	597	L	1143
PS81	9.2682	0.8852	0.4783	333	143	118	594	L	1144

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
JU24	5.5045	0.6407	0.8439	37	42	511	590	L	1145
RU49	9.4987	0.9337	0.2976	372	172	40	584	L	1146
PS74	8.6013	0.9469	0.5297	245	188	149	582	L	1147
RU45	8.4997	0.9908	0.4971	236	215	129	580	L	1148
CM05	7.6743	0.9071	0.6491	143	157	272	572	L	1149
JM54	8.3427	0.9979	0.4989	218	221	130	569	L	1150
TC04	6.4440	0.7099	0.7958	63	61	443	567	L	1151
PS18	7.9212	1.2041	0.0000	163	397	1	561	L	1152
NE62	6.6420	0.8208	0.7492	71	109	378	558	L	1153
YO28	6.7422	0.9388	0.6819	79	177	301	557	L	1154
JL19	7.9288	0.9888	0.5596	164	213	177	554	L	1155
NE70	6.7420	0.9060	0.6958	78	156	320	554	L	1156
JU15	7.4726	0.8572	0.6860	120	127	305	552	L	1157
NE43	6.5762	0.8104	0.7496	69	103	379	551	L	1158
RA02	8.1999	0.7889	0.6234	202	97	252	551	L	1159
NE27	7.1200	0.9843	0.6062	99	212	230	541	L	1160
TH14	9.7361	0.6305	0.4317	412	37	85	534	L	1161
JU19	7.3273	0.8139	0.6921	106	104	314	524	L	1162
CB21	7.4460	1.1284	0.4073	117	323	78	518	L	1163
JM08	8.3603	0.8184	0.5743	220	106	190	516	L	1164
RL09	4.4699	0.7062	0.7836	32	60	419	511	L	1165
RL13	7.8237	0.9338	0.5558	155	173	173	501	L	1166
PU17	7.4182	0.6949	0.6960	114	54	321	489	L	1167
NE83	6.0455	0.6339	0.7679	48	39	397	484	L	1168
RU41	8.6021	0.9234	0.3808	246	169	67	482	L	1169
TC14	6.2363	0.8061	0.6976	54	101	325	480	L	1170
JA43	7.3723	0.9518	0.5456	108	196	167	471	L	1171
RU06	8.9536	0.8873	0.0049	294	145	32	471	L	1172
TC05	6.2533	0.8279	0.6854	55	111	304	470	L	1173
PU20	9.7215	0.5959	0.0032	409	30	30	469	L	1174
RU61	8.4047	0.8818	0.4553	224	138	103	465	L	1175
TH01	9.0091	0.8570	0.2397	303	126	35	464	L	1176
RU81	7.6218	0.8326	0.5877	134	115	208	457	L	1177
RU52	8.2633	0.9103	0.4311	211	159	84	454	L	1178
NE31	9.3364	0.6415	0.3807	344	43	66	453	L	1179
JM86	8.2518	0.7138	0.5602	209	64	178	451	L	1180

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
PU11	8.1312	0.8562	0.5043	189	125	136	450	L	1181
CM07	6.9595	0.8948	0.5787	93	151	199	443	L	1182
NE61	8.7043	0.6961	0.4604	263	55	107	425	L	1183
NE30	8.0212	0.7631	0.5418	177	82	159	418	L	1184
RU85	7.4771	0.8208	0.5656	121	108	182	411	L	1185
RU56	6.7946	0.7809	0.6087	82	93	234	409	L	1186
NE34	6.6485	0.7722	0.6209	72	88	248	408	L	1187
NE67	6.4888	0.7913	0.6092	65	98	236	399	L	1188
YO30	6.2260	0.8745	0.5842	53	134	205	392	L	1189
JU46	8.2319	0.8824	0.3064	207	140	43	390	L	1190
CU01	7.5066	0.9789	0.3616	122	210	57	389	L	1191
JM09	6.5989	0.7591	0.5981	70	80	221	371	L	1192
NE57	6.8236	0.7206	0.5881	85	67	209	361	L	1193
JA11	6.8142	0.8560	0.5357	83	124	151	358	L	1194
NE69	7.4122	0.9573	0.2704	113	200	36	349	L	1195
RU44	7.8890	0.8447	0.3805	158	122	65	345	L	1196
JA42	7.0402	0.8368	0.4893	97	121	124	342	L	1197
NE47	6.3117	0.7526	0.5846	58	78	206	342	L	1198
RU17	7.3751	0.8245	0.4760	110	110	115	335	L	1199
JM07	5.9073	0.6094	0.6275	46	32	255	333	L	1200
NE80	6.0707	0.8736	0.5281	51	133	148	332	L	1201
NE45	7.2365	0.8621	0.4295	104	130	83	317	L	1202
NE46	7.2234	0.7669	0.4881	103	85	122	310	L	1203
NE23	5.7624	0.7124	0.5838	43	62	203	308	L	1204
PU14	7.9133	0.8329	0.0029	162	116	29	307	L	1205
RU27	5.7026	0.7702	0.5565	41	87	174	302	L	1206
TH34	6.3851	0.8197	0.4841	62	107	120	289	L	1207
JL02	7.1441	0.6375	0.5196	101	41	144	286	L	1208
PS47	6.3774	0.7062	0.5452	61	59	166	286	L	1209
YO34	5.8030	0.8832	0.4523	44	141	98	283	L	1210
RU43	7.5067	0.7807	0.3042	123	92	41	256	L	1211
NE24	5.3956	0.6821	0.5428	36	53	161	250	L	1212
NE25	7.3066	0.6723	0.4429	105	50	92	247	L	1213
NE29	5.5822	0.6815	0.5112	39	52	137	228	L	1214
NE28	7.5073	0.5811	0.3758	124	29	63	216	L	1215
TH03	6.8314	0.7635	0.2887	86	83	37	206	L	1216

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VAHU6	Ag N (kg/Ag ha-yr)	Ag P (kg/Ag ha-yr)	Ag S (mt/Ag ha-yr)	NSEQ	PSEQ	SSEQ	Sum Order	Agricultural Pollutant Potential Rank	Row #
PS80	6.0208	0.7005	0.4494	47	56	97	200	L	1217
RU51	6.0669	0.6684	0.4412	49	49	89	187	L	1218
JU48	6.2592	0.7031	0.3920	56	57	71	184	L	1219
RU55	6.6754	0.6750	0.1565	74	51	34	159	L	1220
RL19	2.8094	0.1275	0.0000	27	27	1	55	L	1221
TP08	0.0000	0.0000	0.0000	26	1	1	28	L	1222
AO01	0.0000	0.0000	0.0000	1	1	1	3	L	1223
AO05	0.0000	0.0000	0.0000	1	1	1	3	L	1224
AO06	0.0000	0.0000	0.0000	1	1	1	3	L	1225
AO07	0.0000	0.0000	0.0000	1	1	1	3	L	1226
AO12	0.0000	0.0000	0.0000	1	1	1	3	L	1227
AO16	0.0000	0.0000	0.0000	1	1	1	3	L	1228
AO17	0.0000	0.0000	0.0000	1	1	1	3	L	1229
AO19	0.0000	0.0000	0.0000	1	1	1	3	L	1230
AO20	0.0000	0.0000	0.0000	1	1	1	3	L	1231
AO22	0.0000	0.0000	0.0000	1	1	1	3	L	1232
AO24	0.0000	0.0000	0.0000	1	1	1	3	L	1233
AO25	0.0000	0.0000	0.0000	1	1	1	3	L	1234
AO26	0.0000	0.0000	0.0000	1	1	1	3	L	1235
CB20	0.0000	0.0000	0.0000	1	1	1	3	L	1236
CB27	0.0000	0.0000	0.0000	1	1	1	3	L	1237
CB29	0.0000	0.0000	0.0000	1	1	1	3	L	1238
CB37	0.0000	0.0000	0.0000	1	1	1	3	L	1239
CB40	0.0000	0.0000	0.0000	1	1	1	3	L	1240
CB47	0.0000	0.0000	0.0000	1	1	1	3	L	1241
JL56	0.0000	0.0000	0.0000	1	1	1	3	L	1242
JL57	0.0000	0.0000	0.0000	1	1	1	3	L	1243
JL59	0.0000	0.0000	0.0000	1	1	1	3	L	1244
JU16	0.0000	0.0000	0.0000	1	1	1	3	L	1245
PL74	0.0000	0.0000	0.0000	1	1	1	3	L	1246
TH46	0.0000	0.0000	0.0000	1	1	1	3	L	1247

Attachment B

Drainage Basins in Each Soil and Water Conservation District

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

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

Attachment C

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

Drainage Basin	SWCD Number	District Name	Agricultural Pollutant Potential Rank	Total Agricultural Area (acres) of Hydrologic Units in each District by Agricultural Pollutant Potential Rank and Drainage Basin	Percentage AGLAND Rank (Cost-share Multiplier)
CB	1	TIDEWATER	H	38352.2180	0.08229
CB	1	TIDEWATER	M	6401.8589	0.00639
CB	1	TIDEWATER	L	3508.7238	0.00237
CB	2	THOMAS JEFFERSON	H	748.3607	0.00161
CB	2	THOMAS JEFFERSON	M	115989.7660	0.11583
CB	2	THOMAS JEFFERSON	L	107480.5878	0.07272
CB	3	SOUTHSIDE	H	0.0000	0.00000
CB	3	SOUTHSIDE	M	0.0000	0.00000
CB	3	SOUTHSIDE	L	50.4652	0.00003
CB	4	NATURAL BRIDGE	H	8790.2930	0.01886
CB	4	NATURAL BRIDGE	M	26926.8570	0.02689
CB	4	NATURAL BRIDGE	L	53012.4044	0.03587
CB	5	PIEDMONT	H	0.0000	0.00000
CB	5	PIEDMONT	M	1272.7961	0.00127
CB	5	PIEDMONT	L	109987.7300	0.07441
CB	6	BLUE RIDGE	H	0.0000	0.00000
CB	6	BLUE RIDGE	M	0.0000	0.00000
CB	6	BLUE RIDGE	L	3459.5746	0.00234
CB	7	CULPEPER	H	34094.9968	0.07315
CB	7	CULPEPER	M	141966.4970	0.14177
CB	7	CULPEPER	L	150023.8043	0.10150
CB	8	NORTHERN NECK	H	87314.7200	0.18734
CB	8	NORTHERN NECK	M	43739.9546	0.04368
CB	8	NORTHERN NECK	L	0.0000	0.00000
CB	9	SHENANDOAH VALLEY	H	52826.0914	0.11334
CB	9	SHENANDOAH VALLEY	M	120710.9631	0.12055
CB	9	SHENANDOAH VALLEY	L	58358.7461	0.03948
CB	10	ROBERT E. LEE	H	0.0000	0.00000
CB	10	ROBERT E. LEE	M	8866.6750	0.00885
CB	10	ROBERT E. LEE	L	83824.7809	0.05671
CB	12	JAMES RIVER	H	12186.4637	0.02615
CB	12	JAMES RIVER	M	3423.7707	0.00342
CB	12	JAMES RIVER	L	14452.0962	0.00978

CB	13	LORD FAIRFAX	H	5017.3688	0.01077
CB	13	LORD FAIRFAX	M	49057.4476	0.04899
CB	13	LORD FAIRFAX	L	221248.1529	0.14969
CB	14	SKYLINE	H	0.0000	0.00000
CB	14	SKYLINE	M	0.0000	0.00000
CB	14	SKYLINE	L	264.8723	0.00018
CB	15	PEANUT	H	64273.0014	0.13790
CB	15	PEANUT	M	0.0000	0.00000
CB	15	PEANUT	L	78.7270	0.00005
CB	16	MOUNTAIN	H	5287.8826	0.01135
CB	16	MOUNTAIN	M	31570.0622	0.03153
CB	16	MOUNTAIN	L	38125.1745	0.02579
CB	17	TRI-COUNTY/CITY	H	8797.7315	0.01888
CB	17	TRI-COUNTY/CITY	M	29447.8333	0.02941
CB	17	TRI-COUNTY/CITY	L	40531.3480	0.02742
CB	18	COLONIAL	H	35566.8105	0.07631
CB	18	COLONIAL	M	7346.6334	0.00734
CB	18	COLONIAL	L	3148.0162	0.00213
CB	20	EASTERN SHORE	H	0.0000	0.00000
CB	20	EASTERN SHORE	M	75690.8603	0.07559
CB	20	EASTERN SHORE	L	13.1213	0.00001
CB	21	NORTHERN VIRGINIA	H	0.0000	0.00000
CB	21	NORTHERN VIRGINIA	M	424.7741	0.00042
CB	21	NORTHERN VIRGINIA	L	5375.7289	0.00364
CB	22	VIRGINIA DARE	H	4509.4994	0.00968
CB	22	VIRGINIA DARE	M	0.0000	0.00000
CB	22	VIRGINIA DARE	L	774.1566	0.00052
CB	30	HANOVER-CAROLINE	H	261.7587	0.00056
CB	30	HANOVER-CAROLINE	M	69092.3005	0.06900
CB	30	HANOVER-CAROLINE	L	41685.6924	0.02820
CB	32	JOHN MARSHALL	H	0.0000	0.00000
CB	32	JOHN MARSHALL	M	40895.5282	0.04084
CB	32	JOHN MARSHALL	L	137832.2374	0.09325
CB	34	PEAKS OF OTTER	H	0.0000	0.00000
CB	34	PEAKS OF OTTER	M	3737.5682	0.00373
CB	34	PEAKS OF OTTER	L	6687.4136	0.00452
CB	35	PRINCE WILLIAM	H	0.0000	0.00000
CB	35	PRINCE WILLIAM	M	0.0000	0.00000
CB	35	PRINCE WILLIAM	L	34709.7925	0.02348
CB	36	LOUDOUN	H	0.0000	0.00000
CB	36	LOUDOUN	M	2529.7414	0.00253
CB	36	LOUDOUN	L	147102.1914	0.09952
CB	38	MONACAN	H	119.2036	0.00026

CB	38	MONACAN	M	18247.8025	0.01822
CB	38	MONACAN	L	43225.5984	0.02924
CB	39	PETER FRANCISCO	H	0.0000	0.00000
CB	39	PETER FRANCISCO	M	2324.9329	0.00232
CB	39	PETER FRANCISCO	L	76863.9099	0.05200
CB	40	HENRICOPOLIS	H	2312.6842	0.00496
CB	40	HENRICOPOLIS	M	10787.4852	0.01077
CB	40	HENRICOPOLIS	L	3782.7143	0.00256
CB	41	HEADWATERS	H	57580.6972	0.12354
CB	41	HEADWATERS	M	118802.3381	0.11864
CB	41	HEADWATERS	L	29250.1453	0.01979
CB	42	APPOMATTOX RIVER	H	0.0000	0.00000
CB	42	APPOMATTOX RIVER	M	2078.9529	0.00208
CB	42	APPOMATTOX RIVER	L	5858.9924	0.00396
CB	43	THREE RIVERS	H	47079.8906	0.10101
CB	43	THREE RIVERS	M	65058.0771	0.06497
CB	43	THREE RIVERS	L	2199.2627	0.00149
CB	45	MOUNTAIN CASTLES	H	957.1972	0.00205
CB	45	MOUNTAIN CASTLES	M	4969.2405	0.00496
CB	45	MOUNTAIN CASTLES	L	55153.2457	0.03731
OCB	3	SOUTHSIDE	H	0.0000	0.00000
OCB	3	SOUTHSIDE	M	6398.6221	0.01130
OCB	3	SOUTHSIDE	L	109899.3575	0.06708
OCB	5	PIEDMONT	H	0.0000	0.00000
OCB	5	PIEDMONT	M	348.8941	0.00062
OCB	5	PIEDMONT	L	16341.1817	0.00997
OCB	6	BLUE RIDGE	H	28460.9648	0.06181
OCB	6	BLUE RIDGE	M	85834.6537	0.15161
OCB	6	BLUE RIDGE	L	42629.5466	0.02602
OCB	10	ROBERT E. LEE	H	0.0000	0.00000
OCB	10	ROBERT E. LEE	M	13457.1647	0.02377
OCB	10	ROBERT E. LEE	L	81985.4289	0.05004
OCB	11	NEW RIVER	H	18449.2432	0.04007
OCB	11	NEW RIVER	M	31467.0385	0.05558
OCB	11	NEW RIVER	L	123028.1566	0.07509
OCB	12	JAMES RIVER	H	16734.2685	0.03635
OCB	12	JAMES RIVER	M	0.0000	0.00000
OCB	12	JAMES RIVER	L	0.0000	0.00000
OCB	14	SKYLINE	H	4836.5653	0.01050
OCB	14	SKYLINE	M	64795.0839	0.11445
OCB	14	SKYLINE	L	158689.4350	0.09685
OCB	15	PEANUT	H	87930.7491	0.19098
OCB	15	PEANUT	M	8966.7386	0.01584

OCB	15	PEANUT	L		
OCB	19	CHOWAN BASIN	H	154580.9460	0.33574
OCB	19	CHOWAN BASIN	M	53243.0969	0.09404
OCB	19	CHOWAN BASIN	L	0.0000	0.00000
OCB	20	EASTERN SHORE	H	6203.0979	0.01347
OCB	20	EASTERN SHORE	M	48721.7148	0.08606
OCB	20	EASTERN SHORE	L	1886.5761	0.00115
OCB	22	VIRGINIA DARE	H	71802.6776	0.15595
OCB	22	VIRGINIA DARE	M	56.2659	0.00010
OCB	22	VIRGINIA DARE	L	0.0000	0.00000
OCB	23	HOLSTON RIVER	H	404.3139	0.00088
OCB	23	HOLSTON RIVER	M	5210.2666	0.00920
OCB	23	HOLSTON RIVER	L	118589.4157	0.07238
OCB	24	DANIEL BOONE	H	4808.8443	0.01044
OCB	24	DANIEL BOONE	M	61704.1210	0.10899
OCB	24	DANIEL BOONE	L	12443.8802	0.00759
OCB	25	CLINCH VALLEY	H	0.0000	0.00000
OCB	25	CLINCH VALLEY	M	1894.2690	0.00335
OCB	25	CLINCH VALLEY	L	101374.4766	0.06187
OCB	26	SCOTT COUNTY	H	17684.6189	0.03841
OCB	26	SCOTT COUNTY	M	43149.2772	0.07621
OCB	26	SCOTT COUNTY	L	18545.5909	0.01132
OCB	27	LONESOME PINE	H	178.1739	0.00039
OCB	27	LONESOME PINE	M	13844.1931	0.02445
OCB	27	LONESOME PINE	L	14059.2429	0.00858
OCB	28	EVERGREEN	H	919.8251	0.00200
OCB	28	EVERGREEN	M	2387.4063	0.00422
OCB	28	EVERGREEN	L	75561.8929	0.04612
OCB	29	TAZEWELL	H	0.0000	0.00000
OCB	29	TAZEWELL	M	695.6403	0.00123
OCB	29	TAZEWELL	L	85249.0677	0.05203
OCB	31	PITTSYLVANIA	H	0.0000	0.00000
OCB	31	PITTSYLVANIA	M	19323.2085	0.03413
OCB	31	PITTSYLVANIA	L	156164.2903	0.09531
OCB	33	HALIFAX	H	817.1969	0.00177
OCB	33	HALIFAX	M	21842.5856	0.03858
OCB	33	HALIFAX	L	93229.4707	0.05690
OCB	34	PEAKS OF OTTER	H	0.0000	0.00000
OCB	34	PEAKS OF OTTER	M	32.6920	0.00006
OCB	34	PEAKS OF OTTER	L	126943.6533	0.07748
OCB	37	BIG WALKER	H	0.0000	0.00000
OCB	37	BIG WALKER	M	6265.2258	0.01107
OCB	37	BIG WALKER	L	157884.0528	0.09636

OCB	42	APPOMATTOX RIVER	H	15788.2606	0.03429
OCB	42	APPOMATTOX RIVER	M	28482.1099	0.05031
OCB	42	APPOMATTOX RIVER	L	4120.5326	0.00251
OCB	44	PATRICK	H	29191.7700	0.06340
OCB	44	PATRICK	M	15648.8144	0.02764
OCB	44	PATRICK	L	0.0000	0.00000
OCB	45	MOUNTAIN CASTLES	H	0.0000	0.00000
OCB	45	MOUNTAIN CASTLES	M	0.0000	0.00000
OCB	45	MOUNTAIN CASTLES	L	18828.4909	0.01149
OCB	46	LAKE COUNTRY	H	1632.1563	0.00354
OCB	46	LAKE COUNTRY	M	22717.4786	0.04013
OCB	46	LAKE COUNTRY	L	120998.8538	0.07385
OCB	47	BIG SANDY	H	0.0000	0.00000
OCB	47	BIG SANDY	M	9673.4123	0.01709
OCB	47	BIG SANDY	L	0.0000	0.00000

