

Policy and Procedures on Soil and Water Conservation District Cost-Share and Technical Assistance Funding Allocations (Fiscal Year 2023)

Chapter XXXX, 2022 Acts of Assembly Special Session 1, Item 374

A.2. Out of the appropriation in this Item, \$4,550,000 the first year and \$4,550,000 the second year shall be provided for base technical assistance support for the Virginia Soil and Water Conservation Districts. These funds shall be distributed upon approval by the Virginia Soil and Water Conservation Board to the districts in accordance with the Board's established financial allocation policy. These amounts shall be in addition to any other funding provided to the districts for technical assistance pursuant to subsections B and C of this Item for appropriations in excess of \$35,000,000.

B. 2. Of the remaining amount in the first year, \$256,507,321 is authorized for transfer to the Virginia Natural Resources Commitment Fund, a sub fund of the Water Quality Improvement Fund. Notwithstanding any other provision of law, the funds transferred to the Virginia Natural Resources Commitment Fund shall be distributed by the Department upon approval of the Virginia Soil and Water Conservation Board in accordance with the board's developed policies, as follows: \$164,744,889 shall be used for matching grants for Agricultural Best Management Practices on lands in the Commonwealth exclusively or partly within the Chesapeake Bay watershed, \$70,604,953 shall be used for matching grants for Agricultural Best Management Practices on lands in the Commonwealth exclusively outside the Chesapeake Bay watershed, and an additional \$21,157,479 in addition to the base funding provided in A.1. shall be appropriated for Technical Assistance for Virginia Soil and Water Conservation Districts.

F.1 Out of the appropriation in this Item, \$10,000,000 the first year and \$10,000,000 the second year from the Virginia Natural Resources Commitment Fund, a subfund of the Virginia Water Quality Improvement Fund, is hereby appropriated. The funds shall be dispersed by the department pursuant to §10.1-2128.1, Code of Virginia.

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

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

G.1. Out of the appropriation in this Item, \$2,583,531 in the first year and \$2,583,531 in the second year from the funds designated in Item 3-1.01.C. of this act are hereby appropriated to the Virginia Water Quality Improvement Fund and designated for deposit to the reserve fund established pursuant to paragraph B of Item 373. 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 and Historic Resources, pursuant to §10.1-2129, Code of Virginia.

§ 10.1-505. Duties of Board.

In addition to other duties and powers conferred upon the Board, it shall have the following duties and powers:

1. To give or loan appropriate financial and other assistance to district directors in carrying out any of their powers and programs.
3. To oversee the programs of the districts.
11. To provide, from such funds appropriated for districts, financial assistance for the administrative, operational and technical support of districts.

Recommended Motion:

The Virginia Soil and Water Conservation Board approves the Policy and Procedures on Soil and Water Conservation District Cost-Share and Technical Assistance Funding Allocations (Fiscal Year 2023).



**VIRGINIA SOIL AND WATER
CONSERVATION BOARD
POLICY AND PROCEDURES ON SOIL
AND WATER CONSERVATION DISTRICT
COST-SHARE AND TECHNICAL
ASSISTANCE FUNDING ALLOCATIONS
(FISCAL YEAR ~~2022~~ 2023)**

(Approved by Board on ~~May 20, 2021~~ June 24, 2022)

1. Policy Purpose:

This Policy and Procedures document specifies the Virginia Soil and Water Conservation Board's (Board) process by which funds are to be allocated by the Department of Conservation and Recreation (Department) to the Commonwealth's 47 local Soil and Water Conservation Districts (Districts) for cost-share and technical assistance (Fiscal Year ~~2022~~ 2023 or ~~FY22~~ FY23). The Policy also highlights the water quality emphasis of the Virginia Agricultural Best Management Practices Cost-share Program and the targeted use of allocated cost-share funding. The corresponding Grant Agreement will guide the distribution and disbursement of ~~FY22~~ FY23 funds. A separate Board Policy and Grant Agreement governs the ~~FY22~~ FY23 distribution of administrative and operational support funds to Districts.

2. Cost-share Program Mission and Eligibility:

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

For the purposes of VACS, agricultural land means land being used in a bona fide program of agricultural management and engaged in the production of agricultural, horticultural, or forest products for market. In order to be considered agricultural land, the real estate must consist of a minimum of five contiguous acres and there must be verifiable gross receipts in excess of \$1,000 per year from the production or sale of agricultural, horticultural, or forest products produced on the applicant's agricultural land for each of the past three years. The greater than \$1,000 threshold may be documented by using crop type acres and livestock numbers collected as part of the conservation planning inventory or other acceptable forms of proof including Internal Revenue

Service (IRS) forms or other accounting records certified by a tax preparer that show profit or loss from farm operations. Non-industrial private forest lands are exempt from the \$1,000 requirement. (See Part 4: Definitions for further explanation.)

Readers should refer to the *Program Year ~~2022~~ 2023 Virginia Agricultural Cost Share (VACS) BMP Manual* for additional requirements associated with the implementation of the Virginia Agricultural Best Management Practices Cost-Share Program.

3. Authority:

This funding distribution Policy has been developed to provide transparency, predictability, and consistency to the processes by which the cost-share and technical assistance funding set out in ~~Item 373 A.1, E.1., E.2, E.3., F.1., P.1, P.2., P.3. and Q. of Chapter 552 of the 2021 Special Session 1 Acts of Assembly~~ Item 374 A.2, B.1, B.2, B.3, F.1, F.2, F.3, and G.1 of Chapter XXXX of the 2022 Special Session 1 Acts of Assembly (the ~~2021~~ 2022 Appropriation Act) is allocated and distributed to Districts. Funds subject to this Policy are set out in Sub-programs 50320 (Financial Assistance to Soil and Water Conservation Districts), 50322 (Technical Assistance to Soil and Water Conservation Districts) and 50323 (Agricultural Best Management Practices Cost Share Assistance) and are guided by the following specific budget provisions within ~~Item 373~~ Item 374:

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

~~E.1 Out of the appropriation in this Item, \$10,000,000 the first year and \$10,000,000 the second year from the Virginia Natural Resources Commitment Fund, a subfund of the Virginia Water Quality Improvement Fund, is hereby appropriated. The funds shall be dispersed by the department pursuant to § 10.1-2128.1, Code of Virginia.~~

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

~~3. Out of this amount, a total of thirteen percent, or \$1,300,000, whichever is greater, shall be appropriated to Virginia Soil and Water Conservation Districts for technical assistance to farmers implementing agricultural best management practices, and \$8,700,000 for Agricultural Best Management Practices Cost Share Assistance. Of the amount deposited for Cost Share Assistance, seventy percent shall be used for matching grants for agricultural best management practices on lands in the Commonwealth exclusively or partly within the Chesapeake Bay watershed, and thirty percent shall be used for matching grants for agricultural best management practices on lands in the Commonwealth exclusively outside of the Chesapeake Bay watershed.~~

~~F.1. Out of the appropriation in this Item, \$2,583,531 in the first year and \$2,583,531 in the second year from the funds designated in Item 3-1.01.C. of this act are hereby appropriated to the Virginia Water Quality Improvement Fund and designated for deposit to the reserve fund established pursuant to paragraph B of Item 372. It is the intent of the General Assembly that all interest earnings of the Water Quality Improvement Fund shall be spent only upon appropriation by the General Assembly, after the recommendation of the Secretary of Natural Resources, pursuant to § 10.1-2129, Code of Virginia.~~

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

~~technologies; \$100,000 shall be transferred to the Department of Health to conduct analysis on statewide septic hot spots and map communities with failing or failed onsite wastewater treatment; and \$250,000 to the Department for the development and continued maintenance of the Conservation Application Suite including costs related to servers and necessary software licenses. The Department of Forestry shall submit a report by August 15, 2021, to the Department of Conservation and Recreation specifying uses of funds received.~~

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

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

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

A.2. Out of the appropriation in this Item, \$4,550,000 the first year and \$4,550,000 the second year shall be provided for base technical assistance support for the Virginia Soil and Water Conservation Districts. These funds shall be distributed upon approval by the Virginia Soil and Water Conservation Board to the districts in accordance with the Board's established financial allocation policy. These amounts shall be in addition to any other funding provided to the districts for technical assistance pursuant to subsections B and C of this Item for appropriations in excess of \$35,000,000.

B.1. Notwithstanding §10.1-2129 A., Code of Virginia, \$313,013,000 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 in the first

year, \$40,610,000 shall be appropriated to the Department for the following specified statewide uses: \$7,000,000 to the Department to support the Small Herd Initiative as approved by the Virginia Soil and Water Conservation Board, \$6,000,000 shall be used for the Commonwealth's match for participation in the Federal Conservation Reserve Enhancement Program (CREP); \$5,000,000 to the Department of Environmental Quality to support newly regulated municipal separate storm sewer system (MS4) localities; \$3,500,000 shall be provided the Department of Environmental Quality, collaborating with the Department of Health, to conduct studies of Harmful Algal Blooms occurring in the Shenandoah River and Lake Anna; \$4,560,000 shall be allocated for special nonpoint source reduction projects to include, but not be limited to, poultry litter transport, grants related to the development and certification of Resource Management Plans developed pursuant to §10.1-104.7, and, in the Chesapeake Bay watershed, grants related to the development and implementation of nutrient management plans developed in accordance with the regulations adopted pursuant to §10.1-104.2; \$4,000,000 shall be transferred to the Virginia Association of Soil and Water Conservation Districts to be used for the Virginia Conservation Assistance Program (VCAP); \$4,000,000 shall be transferred to the Department of Forestry for the Virginia Trees for Clean Water program; \$2,000,000 shall be provided to the Department to provide additional incentives for the maintenance of riparian buffers by agricultural producers; \$1,000,000 shall be provided to the Department of Environmental Quality to assist with the implementation of best management practices in accordance with the State Lands Watershed Implementation Plan; \$1,500,000 shall be provided to the Department for the development and continued maintenance of the Conservation Application Suite including costs related to servers and necessary software licenses; \$700,000 shall be provided to the Virginia Cooperative Extension, collaborating with the Department, to provide enhanced and targeted outreach, education, and technical assistance for agricultural and residential landowners in the Chesapeake Bay watershed; \$1,000,000 shall be transferred to the Department of Forestry for water quality grants; \$250,000 to the Department for the Small Farm Outreach Program; and \$100,000 shall be transferred to the Department of Health, collaborating with the Virginia Institute of Marine Sciences, to conduct analysis on statewide septic hot spots and map communities with failing or failed onsite wastewater treatment. \$15,895,679 is designated for deposit to the reserve within the Virginia Water Quality Improvement Fund.

2. Of the remaining amount in the first year, \$256,507,321 is authorized for transfer to the Virginia Natural Resources Commitment Fund, a sub fund of the Water Quality Improvement Fund. Notwithstanding any other provision of law, the funds transferred to the Virginia Natural Resources Commitment Fund shall be distributed by the Department upon approval of the Virginia Soil and Water Conservation Board in accordance with the board's developed policies, as follows: \$164,744,889 shall be used for matching grants for Agricultural Best Management Practices on lands in the Commonwealth exclusively or partly within the Chesapeake Bay watershed, \$70,604,953 shall be used for matching grants for Agricultural Best Management Practices on lands in the Commonwealth exclusively outside the Chesapeake Bay watershed, and an additional \$21,157,479 in addition to the base funding provided in A.1. shall be appropriated for Technical Assistance for Virginia Soil and Water Conservation Districts.

3. Of the funds that are provided in paragraph B.1. to be used for the Virginia Conservation Assistance Program (VCAP) and for the Virginia Trees for Clean Water program, no less than 25 percent shall be used for projects in low-income geographic areas as defined by §10.1-603.24.

F.1 Out of the appropriation in this Item, \$10,000,000 the first year and \$10,000,000 the second year from the Virginia Natural Resources Commitment Fund, a subfund of the Virginia Water Quality Improvement Fund, is hereby appropriated. The funds shall be dispersed by the department pursuant to §10.1-2128.1, Code of Virginia.

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

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

G.1. Out of the appropriation in this Item, \$2,583,531 in the first year and \$2,583,531 in the second year from the funds designated in Item 3-1.01.C. of this act are hereby appropriated to the Virginia Water Quality Improvement Fund and designated for deposit to the reserve fund established pursuant to paragraph B of Item 373. 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 and Historic Resources, pursuant to § 10.1-2129, Code of Virginia.

In addition to the authorities set out in the ~~2021~~ 2022 Appropriation Act, the Code of Virginia contains the following Board and Department duties applicable to this Policy:

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

- A. The Department, with the advice of the Board of Conservation and Recreation and the Virginia Soil and Water Conservation Board and in cooperation with other agencies, organizations, and the public as appropriate, shall assist in the Commonwealth's nonpoint source pollution management program.
- B. The Department shall be assisted in performing its nonpoint source pollution management responsibilities by Virginia's soil and water conservation districts. Assistance by the soil and water conservation districts in the delivery of local programs and services may include (i) the provision of technical assistance to advance adoption of conservation management services, (ii) delivery of educational

initiatives targeted at youth and adult groups to further awareness and understanding of water quality issues and solutions, and (iii) promotion of incentives to encourage voluntary actions by landowners and land managers in order to minimize nonpoint source pollution contributions to state waters.

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

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

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

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

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

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

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

in subsection B solely for the Virginia Agricultural Best Management Practices Cost-Share Program administered by the Department of Conservation and Recreation...

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

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

- A. The Department of Conservation and Recreation shall be the lead state agency for determining the appropriateness of any grant related to nonpoint source pollution to be made from the [Water Quality Improvement] Fund to restore, protect and improve the quality of state waters.
- C. Grant funding may be made available to local governments, soil and water conservation districts, institutions of higher education and individuals who propose specific initiatives that are clearly demonstrated as likely to achieve reductions in nonpoint source pollution, including, but not limited to, excess nutrients and suspended solids, to improve the quality of state waters. Such projects may include, but are in no way limited to, the acquisition of conservation easements related to the protection of water quality and stream buffers; conservation planning and design assistance to develop nutrient management plans for agricultural operations; instructional education directly associated with the implementation or maintenance of a specific nonpoint source pollution reduction initiative; the replacement or modification of residential onsite sewage systems to include nitrogen removal capabilities; implementation of cost-effective nutrient reduction practices; and reimbursement to local governments for tax credits and other kinds of authorized local tax relief that provides incentives for water quality improvement. The Director shall give priority consideration to the distribution of grants from the Fund for the purposes of implementing tributary strategy plans, with a priority given to agricultural practices. In no single year shall more than 60 percent of the moneys be used for projects or practices exclusively within the Chesapeake Bay watershed.
- D. The Director of the Department of Conservation and Recreation shall manage the allocation of Water Quality Improvement Grants from the Virginia Natural Resources Commitment Fund established under § 10.1-2128.1.

4. Definitions:

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

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

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

Beef	Dairy	Swine	Layer	Sheep	Goat
Horse	Turkey	Broiler	Pullets	Other	

“Applicant” means a landowner, agent, or operator of record as long as the individual has control of the property and is at least 18 years of age. An applicant may be any corporation, association, partnership, or one or more individuals. Various companies, corporations, and partnership arrangements exist for farm ownership. Farm corporations (signing under Federal Tax Identification number) or partnerships operating under a farm name are classified as a single “applicant.” Applicants are identified by a unique social security number and/or Federal Tax Identification number.

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

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

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

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

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

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

5. Allocation Process for Cost-share:

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

- A. Review the Appropriation Act language and determine the distribution of amounts deposited to the Virginia Water Quality Improvement Fund (WQIF) from state surplus allocations, WQIF Reserve, or from other General Fund deposits.
(See **TABLE 1**)
- B. Review the Appropriation Act language and determine the total amount available for cost-share and technical assistance in the given fiscal year provided from the:
 - i. Close of fiscal year general fund surplus appropriated to the Virginia Water Quality Improvement Fund (WQIF) and the amounts available for cost-share and technical assistance.
 - ii. Special WQIF and VNRCF deposits from the General Fund.
 - iii. Nongeneral fund appropriation to the Virginia Natural Resources Commitment Fund from the recordation tax fee.
 - iv. WQIF and Virginia Natural Resources Commitment Fund Interest.
 - v. The Reserve within the WQIF.(SEE **TABLE 1**)
- C. Allocate portions of the funding to the CB and to OCB.
(SEE **TABLE 4**)
- D. Develop a cost-share spending plan that allocates appropriated funds to Program elements. (Determine uses of cost-share in CB and OCB Areas.)
 - i. Central Service Adjustments
 - ii. VACS – Virginia Agricultural Best Management Practices Cost-Share Program
(SEE **TABLE 6**)
- E. Use the Agricultural Nonpoint Source Hydrologic Unit (HU) Ranking Process to determine cost-share allocations to Districts.
(SEE **TABLES 7-9 and Attachments A-D**)

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

~~For FY22, \$30,850,000~~ For FY23, \$313,013,000 in funding is being deposited to the Water Quality Improvement Fund in accordance with ~~Item 373–~~ Item 374 of the ~~2021~~ 2022 Appropriation Act (See Part 2, Authority). Of this amount, distributions are directed as follows:

TABLE 1: ~~FY22~~ FY23-Appropriation Act Distributions for WQIF Surplus (~~Item 373 P.1., and P.2.~~)

Water Quality Program	Program Distributions
WQIF (Total Deposit –Item P.1. and P.2.)	
	\$30,850,000
	<u>\$313,013,000</u>
• <u>Earmark for the Small Herd Initiative</u>	<u>\$7,000,000</u>
• Earmark for Commonwealth’s match to federal Conservation Reserve Enhancement Program (CREP)	<u>\$500,000</u>
	<u>\$6,000,000</u>
• <u>Earmark to support newly regulated MS4s (DEQ)</u>	<u>\$5,000,000</u>

• <u>Earmark to conduct studies of harmful algal blooms occurring in the Shenandoah River and Lake Anna (DEQ, VDH)</u>	<u>\$3,500,000</u>
• Earmark for the Virginia Conservation Assistance Program	-\$1,000,000 <u>\$4,000,000</u>
• Earmark for special nonpoint source projects (poultry litter, <u>NMPs</u> and RMPs)	-\$1,000,000 <u>\$4,560,000</u>
• <u>Earmark to provide additional incentives for the maintenance of riparian buffers by agricultural producers</u>	<u>\$2,000,000</u>
• <u>Earmark to assist with the implementation of the State Lands Watershed Improvement Plan (DEQ)</u>	<u>\$1,000,000</u>
• Earmark for the Small Farm Outreach Program (Virginia State University)	\$250,000
• Earmark for the Department of Forestry	\$250,000 <u>\$1,000,000</u>
• Earmark for the Department of Forestry (Virginia Trees for Clean Water program)	\$500,000 <u>\$4,000,000</u>
• Earmark for the Department of Environmental Quality (Clean Water Financing and Assistance Program)	\$1,000,000
• Earmark for the Department of Health	\$100,000
• Earmark for the Department for the development and continued maintenance for the Conservation Application Suite	\$250,000 <u>\$1,500,000</u>
• <u>Earmark to provide enhanced and targeted outreach, education, and technical assistance for landowners in the Bay watershed (VCE)</u>	<u>\$700,000</u>
• <u>WQIF Reserve Deposit</u>	<u>\$15,895,679</u>
• Transfers to the Virginia Natural Resources Commitment Fund	-\$26,000,000 <u>\$256,507,321</u>
• Agricultural Best Management Practices Cost-Share Assistance	-\$26,000,000 <u>\$235,349,842</u>

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

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

For ~~FY22 FY23 and FY24~~, ~~\$69,550,000-\$261,057,321~~ in general funds (~~Item 373 Item 374~~-- see Part 2, Authority) is available for allocations to the Districts for cost-share and technical assistance.

TABLE 3: ~~FY22~~ FY23 and FY24 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) for both FY23 and FY24	-\$26,000,000 \$256,507,321	\$26,000,000 \$235,349,842	\$21,157,479
Additional deposit	\$39,000,000	\$35,100,000	\$3,900,000
Recordation Fee*	-\$9,000,000 \$8,500,000*	\$7,700,000 \$7,200,000	\$1,300,000
Technical Assistance Base Funding (Item 373 A.1 Item 374 A.2.)			\$4,550,000
TOTAL ALLOCATION for FY23 (includes technical assistance funding provided in Item 373 A.1 Item 374 A.2)	\$123,000,000*** \$78,550,000	\$242,549,842 \$68,800,000	\$27,007,479 \$9,750,000

It is anticipated that there will be \$133,507,321 available for agricultural best management practice implementation in FY24.

*The ~~2021-2022~~ Appropriation Act (~~Item 373~~ Item 374 – see Part 2, Authority) provides for \$10,000,000 in Appropriation from the recordation tax fee.. Anticipated revenues of ~~\$9,000,000~~ \$8,500,000 is anticipated for ~~FY2022~~ FY2023. The Department is not recommending the allocation of all of those funds at this time. The Department does recommend allocating \$1 million of these available funds for BMP verification; it is anticipated that this amount will ensure verification activities are funded through FY2025. Additionally, the Department recommends utilizing \$2 million of these funds for the poultry litter transport program, which is anticipated to meet the demand for the biennium.

** The ~~2021-2022~~ Appropriation Act (~~Item 373 B.1. and B.2.~~ Item 374– see Part 2, Authority) utilizes 13% for the formulation of Technical Assistance Amounts to be allocated from the Surplus Deposit.

***The total allocation for FY2023 is \$123,000,000; however, the Department is holding \$6,639,483 in cost-share funding (and the associated technical assistance funds) in reserve for the Districts that are participating in the Whole Farm Approach during FY2023.

The ~~2021~~ 2022 Appropriation Act specifies the distributions for both the WQIF Surplus Deposit, the additional deposit to the Virginia Natural Resources Commitment Fund (VNRCF), and the recordation revenues. Distributions within the CB and OCB shall be as follows:

TABLE 4: ~~FY22~~ FY23 Cost-share Allocations by Drainage Basin and Fund Source

Funding Source	Total	Cost-share Portion of Total	Cost-share Portion Allocated to Lands Exclusively or Partly Within the CB*	Cost-share Portion Allocated to Lands Exclusively OCB*
WQIF General Fund deposit	\$26,000,000 <u>\$123,000,000</u>	\$26,000,000 <u>\$123,000,000</u>	\$18,200,000 <u>\$86,100,000</u>	\$7,800,000 <u>\$36,900,000</u>
Additional VNRCF deposit	39,000,000	\$35,100,000	\$24,570,000	\$10,530,000
Recordation Fee	\$9,000,000	\$7,700,000	\$5,390,000	\$2,310,000
TOTAL	\$74,000,000 <u>\$123,000,000</u>	\$68,800,000 <u>\$123,000,000</u>	\$48,160,000 <u>\$86,100,000</u>	\$20,640,000 <u>\$36,900,000</u>

* Amounts rounded to the nearest dollar.

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

Funding Source	Total	Cost-share Portion of Total	Cost-share Portion Allocated to Lands Exclusively or Partly Within the CB*	Cost-share Portion Allocated to Lands Exclusively OCB*
Additional FY2020 recordation revenue	\$2,659,952	\$2,659,952	\$1,861,966	\$797,986
Remaining FY2021 unallocated funds	\$2,348,187	\$2,348,670	\$2,348,187	
TOTAL	\$5,008,139	\$5,008,139	\$4,210,153	\$797,986

* ~~Amounts rounded to the nearest dollar.~~

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

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

TABLE 6: ~~FY22~~ FY23 Cost-share Spending Plan by Drainage Basin and Fund Source

Program Element	Cost-share Portion Allocated to Lands Exclusively or Partly Within the CB (General Funds)	Cost-share Portion Allocated to Lands Exclusively or Partly Within the CB (Recordation Fee—includes both FY20 and FY22)	Cost-share Portion Allocated to Lands Exclusively OCB (General Funds)	Cost-share Portion Allocated to Lands Exclusively OCB (Recordation Fee—includes both FY20 and FY22)	Totals
Total Available	\$45,118,187 <u>\$86,100,000</u>	 \$7,251,966	\$18,330,000 <u>\$36,900,000</u>	 \$3,107,986	\$73,808,139 <u>\$123,000,000</u>
Central Service Adjustments	\$26,023 <u>\$46,153</u>		\$11,152 <u>\$19,779</u>		\$37,175 <u>\$65,932</u>
VACS	\$45,092,164 <u>\$86,053,847</u>	 \$7,251,966	\$18,318,848 <u>\$36,880,221</u>	 \$3,107,986	\$122,934,068 <u>\$73,770,964</u>

*Rounded to the nearest dollar.

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

Explanation of Spending Plan Distribution Components:

RMP – Resource Management Plans (Allocation Step D1)

Any remaining RMP balances from prior fiscal years funds are authorized to be carried forward to ~~FY21~~ **FY23**, and no new earmark is being made. These funds may be utilized to contract for plan development and certification although the intent is for the emphasis to be placed on plan certification (RMP-2). A fundamental goal of the Resource Management Plan Program pursuant to § 10.1-104.8 of the Code of Virginia is for the RMP plans to include “agricultural best management practices sufficient to implement the Virginia Chesapeake Bay TMDL Watershed Implementation Plan and other local TMDL water quality requirements of the Commonwealth”. The intent of the program is to encourage farm owners and operators to voluntarily implement a high level of BMPs on their farmlands in order to be protective of water quality.

Soil and Water Conservation Districts are authorized to develop plans and recover costs from the cost-share applicant in accordance with ~~Item 373 of the 2021 Appropriation Act~~ **Item 374 of the 2022 Appropriation Act**.

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

Central Service Adjustments (Allocation Step D2)

The Appropriation Act (Part 3: Miscellaneous) annually applies charges (interfund transfers) to each Agency for expenses incurred by central service agencies associated with Agency funds. For ~~FY22~~ **FY23**, charges for nongeneral funds are ~~\$37,175~~ **\$65,932** from 0900 funds. If a portion of these expenses need to be paid from cost-share amounts provided for in the Appropriation Act, it should be allocated from non-budgeted “cash transfer in (CTI)” funds or non-budgeted recordation fee tax deposits before reallocations are made.

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

After the other noted distributions have been met in the spending plan (SEE TABLE 6 there is ~~\$77,911,495~~ **\$123,000,000** available for distribution as VACS cost-share. (Table 6 outlines the drainage basin split and fund sources.) Specific allocations to Districts in ~~FY22~~ **FY23** shall be made using science-based targeting of funds so that areas with the greatest potential to contribute agricultural nonpoint source pollution have the financial resources to implement BMP to reduce nutrient and sediment contamination of surface and ground waters. The process utilized to make these allocations is called the Agricultural Nonpoint Source Hydrologic Unit (HU) Ranking Process.

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

The Department utilizes a component of Virginia’s Nonpoint Source Assessment to focus its cost-share allocations where funds can produce the greatest reductions in surface and ground water

contamination. Every two years, the Department of Environmental Quality (DEQ) prepares a Virginia Water Quality Assessment Report, also known as the 305(b)/303(d) Water Quality Assessment Integrated Report for submission to the Environmental Protection Agency that typically includes an updated Nonpoint Source Assessment prepared by both the Department and DEQ. Currently, the ~~20220~~ 2022 Nonpoint Source Assessment represents the most recent information available for use. The Department utilizes the agricultural component of the most current and approved NPS assessment to focus agricultural cost-share funds.

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

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

Additional technical information regarding modeling processes are set out in Department documents titled: ~~20220~~ 2022 NPS Assessment and Prioritization Primer

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

Hydrologic Unit – (VAHU6)	Nitrogen Load Sort Order (NSEQ)	Phosphorous Load Sort Order (PSEQ)	Sediment Load Sort Order (SSEQ)	Sum (NSEQ + PSEQ + SSEQ)	Agricultural Pollutant Potential Rank
PS14	944	1133	1029	3106	High (H)
JU37	683	752	1139	2574	Medium (M)
NE28	486	193	214	893	Low (L)

The higher the composite ranking score, the higher its potential to contribute agricultural NPS pollution (based on Nitrogen, Phosphorus, and Sediment loads). In accordance with this process, Attachment A includes the Unit Area Loads for Nitrogen (kg/Ag ha-yr), Phosphorus (kg/Ag ha-yr), and Sediment (mt/Ag ha-yr); the Sorted Sequence (Rank Order) between HUs for each pollutant's load; a Sum Order for each HU; and the resulting Agricultural Pollutant Potential Rank for each HU to be utilized in FY23 cost-share allocation computations.

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

For FY22- FY23 (see **Attachment A**) the data breaks were as follows:

TABLE 7: Agricultural Pollutant Potential Ranking

Agricultural Pollutant Potential Rank	Number of HUs included	Percent of modeled HUs included	Percent of Ag land	Sum Order Range
H	2485	19.5820.0	21.341	261635-356572
M	3735	29.9830.0	29.7530.34	179578-261132
L	63119	50.044	48.9125	3-179276
Total	124054	100.000	100.000	

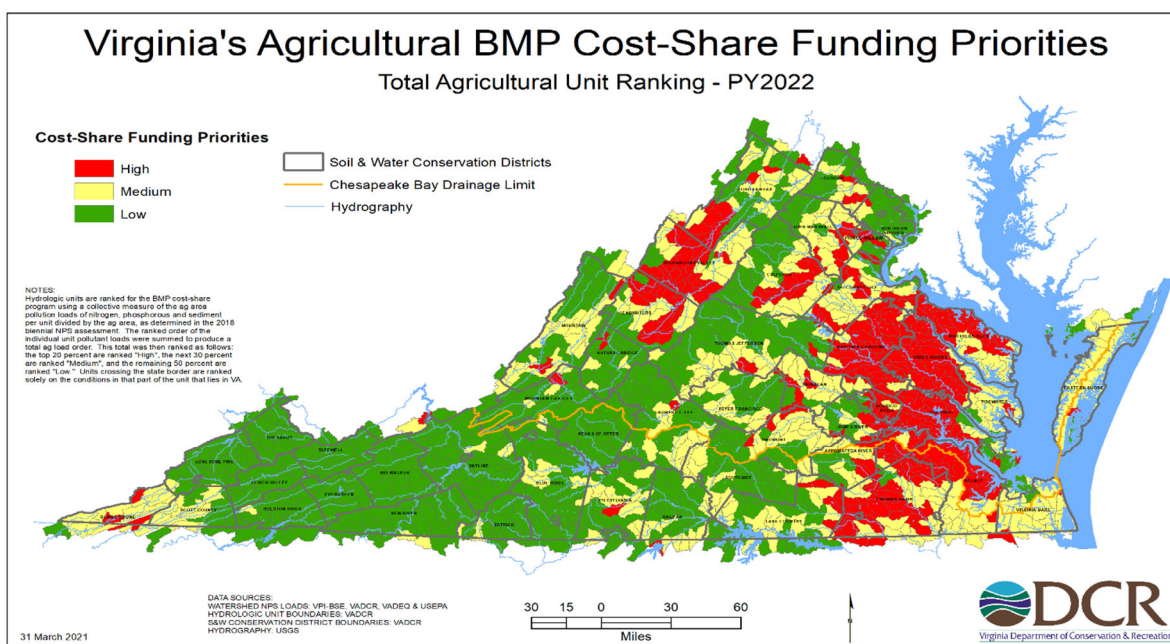
NOTE: Since the installation and distribution of BMPs implemented is part of the calculation of the agricultural NPS loads and ranking, the hydrologic units may change rankings if a large number of BMPs are implemented in a particular HU between assessments. Ranking changes tend to shift the funds between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

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

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

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

Attachment D provides a full-page version of the image below (**FIGURE 1**) depicting the statewide distribution of H, M, and L HUs by District and Drainage Basin.



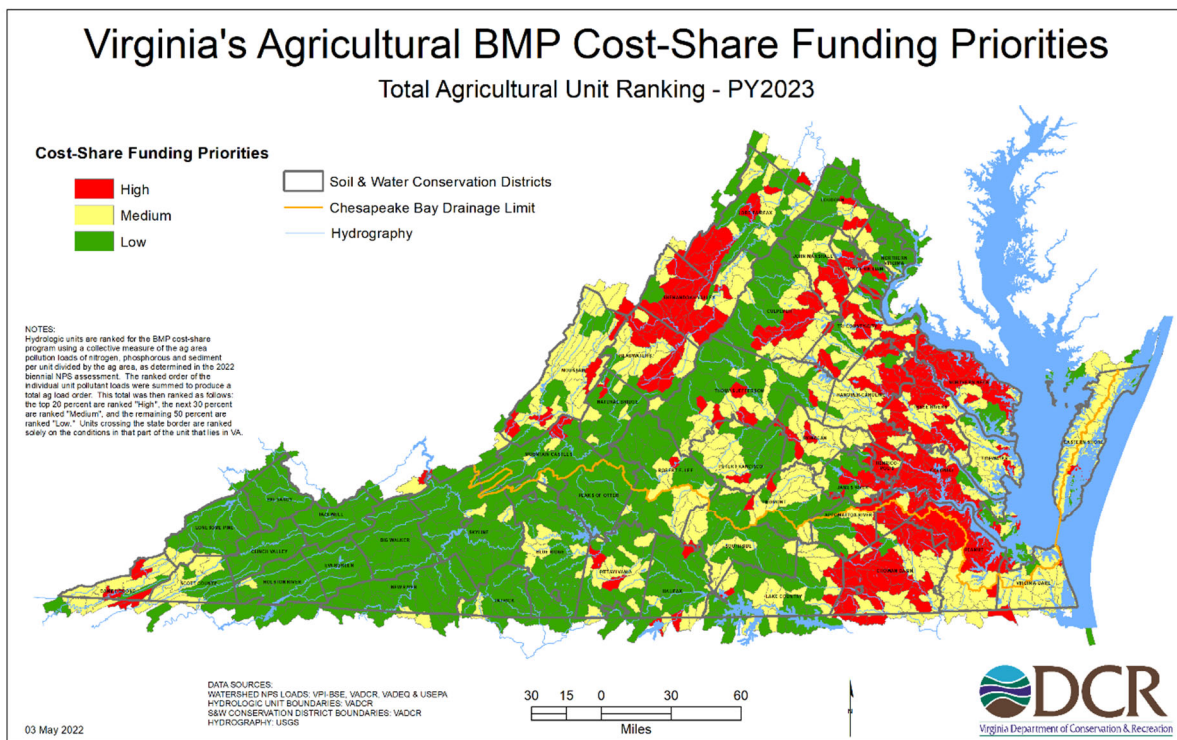


FIGURE 1: Virginia’s Agricultural BMP Cost-share Funding Priorities

Utilizing the information in **Attachment C**, the next step is to determine how much of the available cost-share by drainage basin and funding type will be proportioned to H, M, and L HU areas. Percentage allocations are based on providing a high percentage of the funding to the waters with the most pollutant load based on nitrogen, phosphorus, and sediment. For FY23², the H ranked HUs are assigned 50 percent of the cost-share funds. The M ranked HUs are assigned 30 percent of the cost-share funds, while the L ranked HUs are assigned 20 percent of the cost-share funds.

TABLE 8: ~~FY22~~ FY23 -Cost-share Allocations by Drainage Basin; Fund Source; and H, M, and L HU Areas*

Program Element	Cost-share Portion Allocated to Lands Exclusively or Partly Within the CB (General Fund)	Cost-share Portion Allocated to Lands Exclusively or Partly Within the CB (Recordation Fee includes both FY20 and FY22)	Cost-share Portion Allocated to Lands Exclusively OCB (General Fund)	Cost-share Portion Allocated to Lands Exclusively OCB (Recordation Fee includes both FY20 and FY22)	Totals
VACS (after spending plan distributions – see TABLE 6)	<u>\$86,100,000</u> <u>\$45,092,164</u>	<u>\$7,251,966</u>	<u>\$36,900,000</u> <u>\$18,318,848</u>	<u>\$3,107,986</u>	<u>\$123,000,000</u> <u>\$73,770,964</u>
H (50%)	<u>\$43,050,000</u> <u>\$22,546,082</u>	<u>\$3,625,983</u>	<u>\$18,450,000</u> <u>\$9,159,424</u>	<u>\$1,533,993</u>	<u>\$61,500,000</u> <u>\$17,481,413</u>
M (30%)	<u>\$25,830,000</u> <u>\$13,527,649</u>	<u>\$2,175,590</u>	<u>\$11,070,000</u> <u>\$5,495,654</u>	<u>\$932,396</u>	<u>\$36,900,000</u> <u>\$10,488,847</u>
L (20%)	<u>\$17,220,000</u> <u>\$9,018,433</u>	<u>\$1,450,393</u>	<u>\$7,380,000</u> <u>\$3,663,770</u>	<u>\$621,597</u>	<u>\$24,600,000</u> <u>\$6,992,565</u>

*Rounded to the nearest dollar.

The H, M, and L multipliers for each District are then applied to the amount of cost-share funds being made available in each drainage basin (CB and OCB) and funding source (General Funds and Recordation fee) as set out in **TABLE 8**. Each District's drainage basin's H, M, and L funds are then accumulated to provide a total funding amount for the cost-share allocation.

The following table shows FY2~~32~~ District VACS cost-share allocations by drainage basin and under the cost-share total column, provides the cumulative cost-share allocations to each of the Districts.

TABLE 9: ~~FY22~~ FY23 District Cost-share Allocations by Drainage Basin

SWCD	VACS CB Total	VACS OCB Total	FY22 <u>FY23</u> Cost-Share Total (VACS)
APPOMATTOX RIVER	<u>\$137,711</u> \$401,015	<u>\$1,159,390</u> \$659,323	<u>\$1,297,101</u> \$1,060,337
BIG SANDY	<u>\$0\$0</u>	<u>\$22,883</u> \$13,500	<u>\$22,883</u> \$13,500
BIG WALKER	<u>\$0\$0</u>	<u>\$685,039</u> \$404,844	<u>\$685,039</u> \$404,844
BLUE RIDGE	<u>\$66,148</u> \$40,737	<u>\$1,099,317</u> \$600,099	<u>\$1,165,465</u> \$640,836
CHOWAN BASIN	<u>\$0\$0</u>	<u>\$9,000,000</u> \$5,000,000	<u>\$9,000,000</u> \$5,000,000
CLINCH VALLEY	<u>\$0\$0</u>	<u>\$443,236</u> \$504,215	<u>\$443,236</u> \$504,215
COLONIAL	<u>\$1,696,612</u> \$1,356,033	<u>\$0\$0</u>	<u>\$1,696,612</u> \$1,356,033
CULPEPER	<u>\$8,903,019</u> \$5,000,000	<u>\$0\$0</u>	<u>\$8,903,019</u> \$5,000,000
DANIEL BOONE	<u>\$0\$0</u>	<u>\$2,102,936</u> \$1,255,512	<u>\$2,102,936</u> \$1,255,512
EASTERN SHORE	<u>\$1,945,741</u> \$1,198,908	<u>\$1,051,251</u> \$583,598	<u>\$2,996,991</u> \$1,782,506
EVERGREEN	<u>\$0\$0</u>	<u>\$329,018</u> \$436,712	<u>\$329,018</u> \$436,712
HALIFAX	<u>\$0\$0</u>	<u>\$1,040,455</u> \$741,733	<u>\$1,040,455</u> \$741,733
HANOVER- CAROLINE	<u>\$3,571,877</u> \$3,028,703	<u>\$0\$0</u>	<u>\$3,571,877</u> \$3,028,703
HEADWATERS	<u>\$8,048,575</u> \$2,500,000	<u>\$0\$0</u>	<u>\$8,048,575</u> \$2,500,000
HENRICOPOLIS	<u>\$529,659</u> \$610,442	<u>\$0\$0</u>	<u>\$529,659</u> \$610,442
HOLSTON RIVER	<u>\$0\$0</u>	<u>\$574,517</u> \$400,000	<u>\$574,517</u> \$400,000
JAMES RIVER	<u>\$707,469</u> \$ 416,125	<u>\$975,915</u> \$621,731	<u>\$1,683,383</u> \$1,037,856
JOHN MARSHALL	<u>\$4,541,863</u> \$2,609,264	<u>\$0\$0</u>	<u>\$4,541,863</u> \$2,609,264
LAKE COUNTRY	<u>\$0\$0</u>	<u>\$2,093,461</u> \$1,337,263	<u>\$2,093,461</u> \$1,337,263
LONESOME PINE	<u>\$0\$0</u>	<u>\$151,058</u> \$300,000	<u>\$151,058</u> \$300,000

LORD FAIRFAX	<u>\$8,361,401</u> <u>\$4,845,126</u>	<u>\$0\$0</u>	<u>\$8,361,401</u> <u>\$4,845,126</u>
LOUDOUN	<u>\$2,372,180</u> <u>\$1,874,349</u>	<u>\$0\$0</u>	<u>\$2,372,180</u> <u>\$1,874,349</u>
MONACAN	<u>\$1,707,001</u> <u>\$1,380,333</u>	<u>\$0\$0</u>	<u>\$1,707,001</u> <u>\$1,380,333</u>
MOUNTAIN	<u>\$2,457,005</u> <u>\$1,530,889</u>	<u>\$0\$0</u>	<u>\$2,457,005</u> <u>\$1,530,889</u>
MOUNTAIN CASTLES	<u>\$1,367,786</u> <u>\$808,836</u>	<u>\$80,174</u> <u>\$47,255</u>	<u>\$1,447,961</u> <u>\$856,091</u>
NATURAL BRIDGE	<u>\$1,843,979</u> <u>\$1,405,552</u>	<u>\$0\$0</u>	<u>\$1,843,979</u> <u>\$1,405,552</u>
NEW RIVER	<u>\$0\$0</u>	<u>\$794,398</u> <u>\$466,414</u>	<u>\$794,398</u> <u>\$466,414</u>
NORTHERN NECK	<u>\$4,925,144</u> <u>\$3,198,248</u>	<u>\$0\$0</u>	<u>\$4,925,144</u> <u>\$3,198,248</u>
NORTHERN VIRGINIA	<u>\$84,016\$</u> <u>51,948</u>	<u>\$0\$0</u>	<u>\$84,016</u> <u>\$51,948</u>
PATRICK	<u>\$0\$0</u>	<u>\$298,901</u> <u>\$414,118</u>	<u>\$298,901</u> <u>\$414,118</u>
PEAKS OF OTTER	<u>\$142,597</u> <u>\$378,473</u>	<u>\$527,745</u> <u>\$311,131</u>	<u>\$670,342</u> <u>\$689,604</u>
PEANUT	<u>\$2,693,600</u> <u>\$1,605,073</u>	<u>\$4,086,056</u> <u>\$2,208,563</u>	<u>\$6,779,656</u> <u>\$3,813,636</u>
PETER FRANCISCO	<u>\$2,139,105</u> <u>\$1,492,074</u>	<u>\$0\$0</u>	<u>\$2,139,105</u> <u>\$1,492,074</u>
PIEDMONT	<u>\$2,506,750</u> <u>\$1,910,534</u>	<u>\$83,342</u> <u>\$61,880</u>	<u>\$2,590,092</u> <u>\$1,972,414</u>
PITTSYLVANIA	<u>\$0\$0</u>	<u>\$2,922,148</u> <u>\$1,310,409</u>	<u>\$2,922,148</u> <u>\$1,310,409</u>
PRINCE WILLIAM	<u>\$794,417</u> <u>\$793,935</u>	<u>\$0\$0</u>	<u>\$794,417</u> <u>\$793,935</u>
ROBERT E. LEE	<u>\$1,706,895</u> <u>\$1,338,379</u>	<u>\$916,967</u> <u>\$532,611</u>	<u>\$2,623,863</u> <u>\$1,870,989</u>
SCOTT COUNTY	<u>\$0\$0</u>	<u>\$680,067</u> <u>\$671,110</u>	<u>\$680,067</u> <u>\$671,110</u>
SHENANDOAH VALLEY	<u>\$5,000,000</u> <u>\$2,500,000</u>	<u>\$0\$0</u>	<u>\$5,000,000</u> <u>\$2,500,000</u>
SKYLINE	<u>\$3,419</u> <u>\$2,101</u>	<u>\$1,142,170</u> <u>\$670,769</u>	<u>\$1,145,589</u> <u>\$672,870</u>
SOUTHSIDE	<u>\$1,153,913</u> <u>\$1,226 \$754</u>	<u>\$815,195</u>	<u>\$1,155,139</u> <u>\$815,948</u>
TAZEWELL	<u>\$0\$0</u>	<u>\$328,725</u> <u>\$436,672</u>	<u>\$328,725</u> <u>\$436,672</u>
THOMAS JEFFERSON	<u>\$5,234,731</u> <u>\$3,280,877</u>	<u>\$0\$0</u>	<u>\$5,234,731</u> <u>\$3,280,877</u>

THREE RIVERS**	<u>\$4,479,901</u> <u>\$3,760,324</u>	<u>\$0\$0</u>	<u>\$4,479,901</u> <u>\$3,760,324</u>
TIDEWATER	<u>\$1,145,584</u> <u>\$1,031,821</u>	<u>\$0\$0</u>	<u>\$1,145,584</u> <u>\$1,031,821</u>
TRI-COUNTY/CITY	<u>\$2,139,080</u> <u>\$1,617,426</u>	<u>\$0\$0</u>	<u>\$2,139,080</u> <u>\$1,617,426</u>
VIRGINIA DARE	<u>\$150,349</u> <u>\$375,854</u>	<u>\$1,146,663</u> <u>\$622,178</u>	<u>\$1,297,012</u> <u>\$998,032</u>
Grand Total	<u>\$81,404,841</u> <u>\$52,344,130</u>	<u>\$34,889,744</u> <u>\$21,426,834</u>	<u>\$116,294,585</u> <u>\$73,770,964</u>

*Rounded to the nearest dollar.

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

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

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

After Grant Agreement issuance, Districts may choose to work with the Department to determine if cost-share allocations should be transferred from one District to another District to maximize water quality improvements. Cost-share shall not be transferred between CB and OCB drainage allocations. Recommended adjustments shall be advanced by Department field personnel through the Division's Central Office to the Deputy Director for consideration as District contract adjustments. A completed Transfer of Virginia Agricultural Best Management Practices Cost-Share Program (VACS) Allocated Cost-Share Funds Form 199-225 (Form) from the affected Districts will be required to document their approval of the recommended transaction. The completed Form regarding reallocations/transfers shall be routed to the Comptroller to update the Department's records. For amounts already distributed to Districts, funds shall be returned back to the Department, or deducted from the next quarterly ~~FY22~~ FY23 disbursement(s) for redistribution to the approved receiving District (accordingly such funds shall not be directly sent between Districts). A proportional amount of Technical Assistance shall be transferred with the cost-share funds; however, cost-share funds may be voluntarily transferred between two Districts without a proportional amount of technical assistance funds if both the donor and recipient District Boards agree, by formally adopted motions, to such transfer. Such motions and all documentation required to execute the voluntary transfer of cost-share must be submitted to the Department prior to ~~June 31, 2022~~ June 31, 2023. All transferred cost-share funds will be subject to the recipient District's ninety percent (90%) obligation requirement for their total VACS allocation as set out in Section 9 – Reallocation of cost-share funds.

Additionally, should a District decline a recommended cost-share allocation, technical assistance allocations may also be reduced accordingly if such an allocation has been recommended. Aside

from transfers of funds approved under this Section, no other movements of cost-share or technical assistance funding may occur between Districts.

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

Once cost-share has been allocated to Districts, cost-share expenditures within Districts, in accordance with the VACS mission (See Part 2), should be targeted towards maximizing nutrient and sediment reductions by implementing the most cost-effective BMPs possible in locations that achieve the greatest pollutant reductions on a field by field basis. The VACS Program gives Districts the responsibility to determine the recipients of state cost-share funds. The better the Districts recruit and evaluate applications, the more successful the local program will be at improving local water quality. Participants are to be recruited based upon those primary and secondary factors, which most influence their existing land uses impact upon water quality. The objective of the VACS Program is to solve water quality problems by fixing the worst problems first on a field by field basis. The 2022²⁰ agricultural non-point source ranking of the National Watershed Boundary Dataset units (VAHU6) currently provides the most accurate identification at a landscape scale, of the lands with the greatest potential to contribute agricultural non-point source pollution into Virginia's rivers and streams.

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

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

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

- Animal Waste Control Facilities (WP-4)
- Dairy Loafing Lot Management System (WP-4B)
- Composter Facilities* (WP-4C)
- Permanent Vegetative Cover on Critical Areas (SL-11)
- Nutrient Management Plan Writing and Revisions (NM-1A)
- Sod Waterway (WP-3)
- Small Grain Cover Crop and Mixed Cover Crop for Nutrient Management and Residue Management (SL-8B)
- Stream Exclusion with Grazing Land Management (SL-6N or SL-6W)
- Grass Filter Strips (WQ-1)
- Sediment Retention, Erosion or Water Control Structure (WP-1)
- Precision Nutrient Management on Cropland – Nitrogen Application (NM-5N)
- Precision Nutrient Management on Cropland – Phosphorus Application (NM-5P)
- Woodland Buffer Filter Area (FR-3)
- Feeding Pad* (WP-4FP)
- Animal Waste Control Facility for Confined Livestock Operations (WP-4LC)
- Loafing Lot Management System with Manure Management (Excluding Bovine Dairy) (WP-4LL)
- Seasonal Feeding Facility with Attached Manure Storage (WP-4SF)
- Stream Exclusion in Floodplain (SL-6F)
- Small Grain and Mixed Cover Crop for Nutrient Management and Residue Management (SL-8B)
- Small Grain and Mixed Cover Crop for Nutrient Management and Residue Management with Fall Manure Application (SL-8M)
- Whole Farm Approach – Cover Crop Bundle (WFA-CC)
- Whole Farm Approach – Nutrient Management Bundle (WFA-NM)

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

Further, a set of Secondary considerations that identify the local District Board's water quality improvement focus shall be developed by the District Board. The District shall submit their Secondary Considerations to the Department ~~prior to the beginning of the fiscal year~~ and receive Department approval prior to the District approving cost-share applications. These secondary considerations are utilized by Districts to prioritize applications that address locally identified water quality concerns. Secondary considerations should be narrative statements that are easily understood by any potential participant and that assist District Boards in ranking cost-share applications based upon which practice implementation will provide the greatest amount of local water quality improvement. The District shall be expected to abide by these policies throughout the entire program year so that each application is ranked to receive funding based upon the anticipated water quality benefits. Examples of potential secondary considerations may be found in the *Program Year ~~2022~~ 2023 Virginia Agricultural Cost Share (VACS) BMP Manual*.

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

Districts shall be prepared to verify and document that their cost-share allocations are being spent in accordance with the priority considerations, their approved secondary considerations, and in accordance with the *Program Year ~~2022~~ 2023 Virginia Agricultural Cost Share (VACS) BMP Manual*.

Each District shall, when comparing projects for cost-share funding, utilize the Conservation Efficiency Factor (CEF). A CEF is calculated by the AgBMP Tracking Module and uses eleven different components, including installation costs and soil loss data that is input by the District, as well as the environmental information associated with the location of the practice to generate a factor that can be used to rank the proposed practice compared with other instances of the same BMPs as well as instances of other BMPs (See **TABLE 10**). Although the CEF can be used to rank different BMPs it will more accurately rank different BMPs that are oriented toward reduction of the same contaminate with the lower the value the more preferred the project.

The relative weights of **TABLE 10** reflect the weight distribution of the CEF components for practices where every component is used in the final CEF calculation. For many practices one or more of these components is not used and the relative weights of the point variables that are used will therefore be proportionally increased. Details on this procedure may be found in a Department discussion document titled *Assignment of Priority Values to BMP Instances at the Time of District ACSTP Data Entry*.

TABLE 10: CEF Ranking Components and Values

Ranking Component	Relative Weight	Value Range	Point or Credit Variable	Assigned Rank Points
Deliverable Sediment Reduction Cost Efficiency points	12.53 33	not calculated / equation results	DSEDXCE_P	0 / 1 - 10
Priority Practice points	16.257 33	yes / maintenance / no	PRI_P	1 / 9 / 13
NPS Ag Priority Hydrologic Unit points	16.257 33	not used / Ag Priorities SUM Order	NPSAG_P	0 / 1 - 13
NPS Biological Priority HU credit	5. 033	2+ flags / 1 flag / none	NPSBIO_C	-4 / -2 / 0
Ag Bacteria Impairment Area points	6.25 29	Not used/7/6/5/4/3/2/1/0	BIMP_P	0 / 1 / 2 / 1 / 32 / 1 / 4 / 1 / 54

Ag Nutrient Impairment Area points	6.25-29	Not used/7/6/5/4/3/2/1/0	NIMP_P	0 / 1 / 1 / 43 / 43 / 1 / 1 / 4 / 54
Septic Impairment Area points	6.25-29	Not used/7/6/5/4/3/2/1/0	SIMP_P	0 / 1 / 1 / 1 / 1 / 2 / 43 / 32 / 54
Chesapeake Bay Program Efficiency credit	34.7500	>50% / 35-50% / <35% / not reported	CBEFF_C	-3 / -2 / -1 / 0
Practice Contract Period points	6.2564	1 - 150	PCP_P	1 - 5
Installation Cost Efficiency points	1520.00	not calculated / equation results	ICE_P	0 / 1 - 125
Environmental Preferences credit	6.25 see discussion document	not calculated / equation results% <u>hardwood or % early/rye cover or buffer width and contract period</u>	ENV_C	0 / -57 - 0

Final approval of practice funding is the responsibility of the local District Board of Directors. All actions taken must be voted upon and the outcome recorded in the minutes of the meeting where such action is taken. Districts should be prepared to verify and document that their cost-share allocations are being spent in accordance with their priority and secondary considerations and in accordance with the *Program Year ~~2022~~ 2023 Virginia Agricultural Cost Share (VACS) BMP Manual*.

Any application must meet appropriate technical agency standards and specifications of that practice before cost-share payment is made. Payment is issued after the participant and technical representative have certified practice installation in their Virginia BMP Incentives Contract. The amount of the cost-share payment is calculated based upon the estimated cost or total actual cost whichever is less. When completed practices are scheduled for combined funding from a District and other sources, the District cost-share payment must reflect the balance due (not to exceed the amount approved by the District for the cost-share payment) after payment has been approved or issued by the other sources. Total combined state VACS, federal, and any other funding source cost-share payments must not exceed the amount allowed within the *Program Year ~~2022~~ 2023 Virginia Agricultural Cost Share (VACS) BMP Manual*, this Policy, or by written directive of the Director.

Department personnel will confer with District staff at least quarterly to determine their projected needs for cost-share payments for projected completed BMPs. Department personnel will generate a disbursement letter based upon the projected needs and AgBMP Tracking Module data showing obligations.

8. Cost-share Funding Caps:

For ~~FY22~~ FY23, the VACS applicant cost-share limit or “cap” is \$150,000/applicant/year. This cap is automatically monitored for any applicant across Districts based upon data available from within the AgBMP Tracking Module.

- Each District Board may establish an applicant cost-share limit or “cap” for the program year which may not exceed the program applicant cost-share limit. Applicants may receive the amount of the District established cost-share limits or “caps” for implemented BMPs as long as the amount does not exceed the established programmatic cost-share limit or “cap”. This cap is automatically monitored for any applicant across Districts based upon data available from within the AgBMP Tracking Module. Districts may view all approved cost-share funds for a participant by utilizing the “participant’s contracts” button. This authority to set District cost-share limits in accordance with the provisions of this paragraph does not extend to RMP-1 and RMP-2 practices.
- Cost-share funds received for RMP-1 and RMP-2 practices do not count against or otherwise affect an applicant’s annual cost-share cap for other specified practices.
- A producer may be eligible to receive a variance from the cap for the following practices or combination of practices:
 - SE-2
 - SL-6W;
 - WP-4;
 - WP-4B;
 - WP-4LC;
 - WP-4LL;
 - WP-4SF;
 - WP-4/WP-4C combination projects;
 - SL-6N/SL-6W combination projects;
 - SL-6N/WP-4B combination projects;
 - SL-6N/WP-4FP combination projects;
 - SL-6N/WP-4LL combination projects;
 - SL-6N/WP-4SF combination projects;
 - SL-6W/WP-4B combination projects;
 - SL-6W/WP-4FP combination projects;
 - SL-6W/WP-4LL combination projects; and
 - SL-6W/WP-4SF combination projects.
- However, if producer is approved for such a variance, he is not eligible for any additional cost-share funds for any other cost-share practices, unless such other practice authorizes the exceedance of a participant cap (ex. WFA-NM and WFA-CC standards and specifications) or is implemented under an initiative that does not contribute to the VACS participant cap (ex. Small Herd Initiative).

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

9. Reallocation of Cost-Share:

Following the end of each fiscal year, the Board shall reallocate (redistribute) unobligated VACS allocations, including unobligated funds from prior fiscal years, and unobligated CREP or RCPP funds (keeping cost-share within the drainage basin it was originally allocated within) at its next scheduled meeting. These funds will be used for VACS programmatic priorities which may include funding for Chesapeake Bay Watershed Implementation Plan implementation or targeted agricultural BMPs. VACS funds that have not been approved by the District's Board of Directors at the end of the fourth quarter of the fiscal year (~~June 30, 2022~~ June 30, 2023) to fund an existing cost-share application are considered to be unobligated.

Data collected from the budget summary page of the Virginia AgBMP Tracking Module (Tracking Module) will be analyzed to identify those Districts that have obligated ninety percent (90%) or more of their Total VACS allocation. The percent of their VACS allocation obligated will be identified by dividing the "Obligated" amount by the "Allocation" amount. For those Districts that did not obligate at least ninety percent (90%) of their Total VACS allocation by ~~June 30, 2022~~ June 30, 2023, unobligated cost-share funds will be summed and all of a District's unobligated VACS funds will be reallocated. This includes amounts already distributed to Districts for which a project has since been discontinued (which shall be reverted back to the Department; such funds shall not be directly sent between Districts) as well as VACS funds still being held by the Department for which there are no pending obligations against it. Technical assistance funding (TA Addition to the ~~FY21~~ FY23 TA Base) shall proportionally be returned to the Department with the reallocated cost-share.

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

10. Allocation Process for Technical Assistance:

Technical Assistance funds are made available to Districts by the Department for VACS Program implementation by District technical staff. ~~FY22~~ FY23 technical assistance fund allocations approved in the amount ~~\$4,528,636~~ \$4,547,601 represents a base allocation for ~~FY22~~ FY23 for technical assistance. Technical assistance funding provided in addition to the base ~~\$4,528,636~~ \$4,547,601 will be distributed proportionally to the allocation of cost-share funding provided. Results for ~~FY22~~ FY23 -(Total Technical assistance allocations by District) are presented in **TABLE 11**. In future years, should technical assistance amounts available fall below the ~~\$4,528,636~~ \$4,547,601 base level, total technical assistance to Districts would be proportionally reduced.

TABLE 11: FY22 Technical Assistance Computations and District Allocations

SWCD	FY22 <u>FY23</u> Cost-Share Total (VACS)	Proportional Multiplier	FY22 <u>FY23</u> TA Addition to the FY21 <u>FY23</u> TA Base	FY21 <u>FY23</u> TA Base	FY22 <u>FY23</u> Total Technical Assistance Allocated

APPOMATTOX RIVER	<u>\$1,297,101</u> <u>\$1,060,337</u>	<u>0.01115358</u> <u>0.014373372</u>	<u>\$117,874</u> <u>\$75,049</u>	<u>\$54,530</u> <u>\$43,200</u>	<u>\$172,404</u> <u>\$118,249</u>
BIG SANDY	<u>\$22,883</u> <u>\$13,500</u>	<u>0.000196768</u> <u>0.000183003</u>	<u>\$2,079</u> <u>\$956</u>	<u>\$24,000</u> <u>\$35,000</u>	<u>\$26,079</u> <u>\$35,956</u>
BIG WALKER	<u>\$685,039</u> <u>\$404,844</u>	<u>0.005890549</u> <u>0.005487849</u>	<u>\$62,253</u> <u>\$28,654</u>	<u>\$31,500</u> <u>\$35,000</u>	<u>\$93,753</u> <u>\$63,654</u>
BLUE RIDGE	<u>\$1,165,465</u> <u>\$640,836</u>	<u>0.010021662</u> <u>0.008686826</u>	<u>\$105,912</u> <u>\$45,357</u>	<u>\$55,776</u> <u>\$50,705</u>	<u>\$161,688</u> <u>\$96,062</u>
CHOWAN BASIN	<u>\$9,000,000</u> <u>\$5,000,000</u>	<u>0.077389674</u> <u>0.067777344</u>	<u>\$817,877</u> <u>\$353,890</u>	<u>\$105,935</u> <u>\$82,552</u>	<u>\$923,812</u> <u>\$436,442</u>
CLINCH VALLEY	<u>\$443,236</u> <u>\$504,215</u>	<u>0.003811321</u> <u>0.006834872</u>	<u>\$40,279</u> <u>\$35,687</u>	<u>\$68,443</u> <u>\$91,258</u>	<u>\$108,722</u> <u>\$126,945</u>
COLONIAL	<u>\$1,696,612</u> <u>\$1,356,033</u>	<u>0.014588917</u> <u>0.018381658</u>	<u>\$154,180</u> <u>\$95,977</u>	<u>\$110,282</u> <u>\$122,536</u>	<u>\$264,462</u> <u>\$218,513</u>
CULPEPER	<u>\$8,903,019</u> <u>\$5,000,000</u>	<u>0.076555748</u> <u>0.067777344</u>	<u>\$809,064</u> <u>\$353,890</u>	<u>\$365,416</u> <u>\$406,018</u>	<u>\$1,174,480</u> <u>\$759,908</u>
DANIEL BOONE	<u>\$2,102,936</u> <u>\$1,255,512</u>	<u>0.018082837</u> <u>0.017019058</u>	<u>\$191,105</u> <u>\$88,863</u>	<u>\$88,402</u> <u>\$117,869</u>	<u>\$279,507</u> <u>\$206,731</u>
EASTERN SHORE	<u>\$2,996,991</u> <u>\$1,782,506</u>	<u>0.025770684</u> <u>0.024162708</u>	<u>\$272,352</u> <u>\$126,162</u>	<u>\$88,652</u> <u>\$82,308</u>	<u>\$361,004</u> <u>\$208,470</u>
EVERGREEN	<u>\$329,018</u> <u>436,712</u>	<u>0.002829177</u> <u>0.005919834</u>	<u>\$29,900</u> <u>\$30,910</u>	<u>\$71,662</u> <u>\$79,624</u>	<u>\$101,562</u> <u>\$110,534</u>
HALIFAX	<u>\$1,040,455</u> <u>\$741,733</u>	<u>0.008946719</u> <u>0.010054543</u>	<u>\$94,552</u> <u>\$52,498</u>	<u>\$104,500</u> <u>\$86,131</u>	<u>\$199,052</u> <u>\$138,630</u>
HANOVER-CAROLINE	<u>\$3,571,877</u> <u>\$3,028,703</u>	<u>0.030714044</u> <u>0.041055488</u>	<u>\$324,595</u> <u>\$214,366</u>	<u>\$138,826</u> <u>\$126,206</u>	<u>\$463,421</u> <u>\$340,571</u>
HEADWATERS	<u>\$8,048,575</u> <u>\$2,500,000</u>	<u>0.06920851</u> <u>0.033888672</u>	<u>\$731,416</u> <u>\$176,945</u>	<u>\$185,862</u> <u>\$206,513</u>	<u>\$917,278</u> <u>\$383,458</u>
HENRICOPOLIS	<u>\$529,659</u> <u>\$610,442</u>	<u>0.00455446</u> <u>0.008274827</u>	<u>\$48,133</u> <u>\$43,206</u>	<u>\$49,444</u> <u>\$54,938</u>	<u>\$97,577</u> <u>\$98,143</u>
HOLSTON RIVER	<u>\$574,517</u> <u>\$400,000</u>	<u>0.004940187</u> <u>0.005422187</u>	<u>\$52,209</u> <u>\$28,311</u>	<u>\$115,260</u> <u>\$128,066</u>	<u>\$167,469</u> <u>\$156,378</u>
JAMES RIVER	<u>\$1,683,383</u> <u>\$1,037,856</u>	<u>0.014475162</u> <u>0.014068628</u>	<u>\$152,978</u> <u>\$73,457</u>	<u>\$31,500</u> <u>\$35,000</u>	<u>\$184,478</u> <u>\$108,457</u>
JOHN MARSHALL	<u>\$4,541,863</u> <u>\$2,609,264</u>	<u>0.039054811</u> <u>0.035369793</u>	<u>\$412,743</u> <u>\$184,679</u>	<u>\$163,800</u> <u>\$182,000</u>	<u>\$576,543</u> <u>\$366,679</u>
LAKE COUNTRY	<u>\$2,093,461</u> <u>\$1,337,263</u>	<u>0.018001363</u> <u>0.018127221</u>	<u>\$190,244</u> <u>\$94,649</u>	<u>\$146,633</u> <u>\$60,725</u>	<u>\$336,877</u> <u>\$155,374</u>
LONESOME PINE	<u>\$151,058</u> <u>\$300,000</u>	<u>0.001298925</u> <u>0.004066641</u>	<u>\$13,727</u> <u>\$21,233</u>	<u>\$47,250</u> <u>\$63,000</u>	<u>\$60,977</u> <u>\$84,233</u>
LORD FAIRFAX	<u>\$8,361,401</u> <u>\$4,845,126</u>	<u>0.071898455</u> <u>0.065677949</u>	<u>\$759,844</u> <u>\$342,928</u>	<u>\$173,048</u> <u>\$164,808</u>	<u>\$932,892</u> <u>\$507,736</u>
LOUDOUN	<u>\$2,372,180</u> <u>\$1,874,349</u>	<u>0.020398026</u> <u>0.025407679</u>	<u>\$215,572</u> <u>\$132,663</u>	<u>\$168,000</u> <u>\$160,000</u>	<u>\$383,572</u> <u>\$292,663</u>
MONACAN	<u>\$1,707,001</u> <u>\$1,380,333</u>	<u>0.01467825</u> <u>0.018711058</u>	<u>\$155,124</u> <u>\$97,697</u>	<u>\$121,440</u> <u>\$110,400</u>	<u>\$276,564</u> <u>\$208,097</u>

MOUNTAIN	<u>\$2,457,005</u> <u>\$1,530,889</u>	<u>0.021127424</u> <u>0.020751917</u>	<u>\$223,281</u> <u>\$108,353</u>	<u>\$39,600</u> <u>\$44,000</u>	<u>\$262,881</u> <u>\$152,353</u>
MOUNTAIN CASTLES	<u>\$1,447,961</u> <u>\$856,091</u>	<u>0.012450803</u> <u>0.011604720</u>	<u>\$131,584</u> <u>\$60,592</u>	<u>\$38,640</u> <u>\$36,800</u>	<u>\$170,224</u> <u>\$97,392</u>
NATURAL BRIDGE	<u>\$1,843,979</u> <u>\$1,405,552</u>	<u>0.015856104</u> <u>0.019052912</u>	<u>\$167,572</u> <u>\$99,482</u>	<u>\$64,000</u> <u>\$92,738</u>	<u>\$231,572</u> <u>\$192,220</u>
NEW RIVER	<u>\$794,398</u> <u>\$466,414</u>	<u>0.006830911</u> <u>0.006322462</u>	<u>\$72,191</u> <u>\$33,012</u>	<u>\$45,000</u> <u>\$61,081</u>	<u>\$117,191</u> <u>\$94,093</u>
NORTHERN NECK	<u>\$4,925,144</u> <u>\$3,198,248</u>	<u>0.042350588</u> <u>0.043353748</u>	<u>\$447,574</u> <u>\$226,366</u>	<u>\$130,240</u> <u>\$118,400</u>	<u>\$577,814</u> <u>\$344,766</u>
NORTHERN VIRGINIA	<u>\$84,016</u> <u>\$51,948</u>	<u>0.000722441</u> <u>0.000704179</u>	<u>\$7,635</u> <u>\$3,677</u>	<u>\$12,020</u> <u>\$35,000</u>	<u>\$19,655</u> <u>\$38,677</u>
PATRICK	<u>\$298,901</u> <u>\$414,118</u>	<u>0.002570206</u> <u>0.005613569</u>	<u>\$27,163</u> <u>\$29,310</u>	<u>\$74,514</u> <u>\$44,146</u>	<u>\$101,677</u> <u>\$73,456</u>
PEAKS OF OTTER	<u>\$670,342</u> <u>\$689,604</u>	<u>0.005764172</u> <u>0.009347901</u>	<u>\$60,917</u> <u>\$48,809</u>	<u>\$40,320</u> <u>\$38,400</u>	<u>\$101,237</u> <u>\$87,209</u>
PEANUT	<u>\$6,779,656</u> <u>\$3,813,636</u>	<u>0.058297263</u> <u>0.051695623</u>	<u>\$616,103</u> <u>\$269,922</u>	<u>\$134,064</u> <u>\$127,680</u>	<u>\$750,167</u> <u>\$397,602</u>
PETER FRANCISCO	<u>\$2,139,105</u> <u>\$1,492,074</u>	<u>0.018393849</u> <u>0.020225756</u>	<u>\$194,392</u> <u>\$105,606</u>	<u>\$73,307</u> <u>\$69,816</u>	<u>\$267,699</u> <u>\$175,422</u>
PIEDMONT	<u>\$2,590,092</u> <u>\$1,972,414</u>	<u>0.022271819</u> <u>0.026736999</u>	<u>\$235,37</u> <u>\$139,604</u>	<u>\$80,520</u> <u>\$73,200</u>	<u>\$315,895</u> <u>\$212,804</u>
PITTSYLVANIA	<u>\$2,922,148</u> <u>\$1,310,409</u>	<u>0.02512712</u> <u>0.017763205</u>	<u>\$265,551</u> <u>\$92,748</u>	<u>\$148,200</u> <u>\$35,000</u>	<u>\$413,751</u> <u>\$127,748</u>
PRINCE WILLIAM	<u>\$794,417</u> <u>\$793,935</u>	<u>0.006831075</u> <u>0.010762155</u>	<u>\$72,193</u> <u>\$56,193</u>	<u>\$39,686</u> <u>\$44,096</u>	<u>\$111,879</u> <u>\$100,289</u>
ROBERT E. LEE	<u>\$2,623,863</u> <u>\$1,870,989</u>	<u>0.022562211</u> <u>0.025362134</u>	<u>\$238,444</u> <u>\$132,425</u>	<u>\$68,842</u> <u>\$96,800</u>	<u>\$307,286</u> <u>\$229,225</u>
SCOTT COUNTY	<u>\$680,067</u> <u>\$671,110</u>	<u>0.005847796</u> <u>0.009097212</u>	<u>\$61,801</u> <u>\$47,500</u>	<u>\$67,500</u> <u>\$90,000</u>	<u>\$129,301</u> <u>\$137,500</u>
SHENANDOAH VALLEY	<u>\$5,000,000</u> <u>\$2,500,000</u>	<u>0.042994263</u> <u>0.033888672</u>	<u>\$454,376</u> <u>\$176,945</u>	<u>\$225,948</u> <u>\$251,053</u>	<u>\$680,324</u> <u>\$427,998</u>
SKYLINE	<u>\$1,145,589</u> <u>\$672,870</u>	<u>0.009850751</u> <u>0.009121067</u>	<u>\$104,106</u> <u>\$47,624</u>	<u>\$111,600</u> <u>\$148,800</u>	<u>\$215,706</u> <u>\$196,424</u>
SOUTHSIDE	<u>\$1,155,139</u> <u>\$815,948</u>	<u>0.00993287</u> <u>0.011060560</u>	<u>\$104,974</u> <u>\$57,751</u>	<u>\$73,649</u> <u>\$35,000</u>	<u>\$178,623</u> <u>\$92,751</u>
TAZEWELL	<u>\$328,725</u> <u>\$436,672</u>	<u>0.002826658</u> <u>0.005919292</u>	<u>\$29,873</u> <u>\$30,907</u>	<u>\$54,096</u> <u>\$51,520</u>	<u>\$83,969</u> <u>\$82,427</u>
THOMAS JEFFERSON	<u>\$5,234,731</u> <u>\$3,280,877</u>	<u>0.045012681</u> <u>0.044473830</u>	<u>\$475,707</u> <u>\$232,214</u>	<u>\$178,157</u> <u>\$169,674</u>	<u>\$653,864</u> <u>\$401,888</u>
THREE RIVERS	<u>\$4,479,901</u> <u>\$3,760,324</u>	<u>0.038522009</u> <u>0.050972961</u>	<u>\$407,112</u> <u>\$266,148</u>	<u>\$103,450</u> <u>\$98,524</u>	<u>\$510,562</u> <u>\$364,672</u>
TIDEWATER	<u>\$1,145,584</u> <u>\$1,031,821</u>	<u>0.009850708</u> <u>0.013986811</u>	<u>\$104,105</u> <u>\$73,030</u>	<u>\$61,056</u> <u>\$67,840</u>	<u>\$165,161</u> <u>\$140,870</u>

TRI-COUNTY/CITY	<u>\$2,139,080</u> <u>\$1,617,426</u>	<u>0.018393634</u> <u>0.021924970</u>	<u>\$194,389</u> <u>\$114,478</u>	<u>\$130,000</u> <u>\$127,400</u>	<u>\$324,389</u> <u>\$241,878</u>
VIRGINIA DARE	<u>\$1,297,012</u> <u>\$998,032</u>	<u>0.011152815</u> <u>0.013528792</u>	<u>\$117,866</u> <u>\$70,639</u>	<u>\$43,033</u> <u>\$47,814</u>	<u>\$160,899</u> <u>\$118,453</u>
Grand Total	<u>\$116,294,5</u> <u>85</u> <u>\$73,770,96</u> <u>4</u>	<u>1.00000000</u> <u>1.00000000</u>	<u>\$10,568,29</u> <u>6</u> <u>\$5,221,364</u>	<u>\$4,547,601</u> <u>\$4,528,636</u>	<u>\$15,115,89</u> <u>7</u> <u>\$9,750,000</u>

*Rounded to the nearest dollar.

Additional funding will be provided to the Eastern Shore District, for use in the Chesapeake Bay watershed portion of the District, and to the Northern Neck District. These are federal grant funds but will be treated as VACS cost-share funds in all aspects including disbursement schedules, data entry and reporting.

<u>SWCD</u>	<u>Additional FY23 cost-share funding</u>	<u>Additional TA</u>
<u>EASTERN SHORE</u>	<u>\$500,000</u>	<u>\$50,000</u>
<u>NORTHERN NECK</u>	<u>\$500,000</u>	<u>\$50,000</u>

FY22 FY23-Technical Assistance allocations (See **TABLE 11**) shall be disbursed to Districts over FY22- FY23 in accordance with the following procedures. During the first quarter of FY22 FY23, after the Fourth Quarter FY21- FY22 reports have been submitted (including the District's End of Year Cash Balance Report, and Carry Over Report) to the Department and the Grant Agreement has been executed and the original signed Agreement returned to the Department, twenty-five percent of the technical assistance allocations shall be disbursed, with an additional twenty-five percent disbursed in each of the second, third, and fourth quarters provided updates to the AgBMP Tracking Module are being entered monthly to the satisfaction of the Department. Except due to extenuating circumstances or as otherwise set out in the Grant Agreement, disbursements to Districts will be executed within 45 calendar days following the beginning of a quarter contingent upon the satisfactory completion of database updates and the receipt of complete and accurate reports.

Should new FY22- FY23 funding be transferred between Districts or reallocated, technical assistance funds noted in the column "FY22 FY23 -TA Addition to the FY21- FY23 TA Base" shall proportionally be transferred with the cost-share.

11. Voluntary Relinquishment of Unobligated Funds to the Department

Districts that anticipate being unable to obligate at least ninety percent (90%) of their Total VACS allocation by June 30, 2023 may relinquish unobligated cost-share funds and the associated "FY23 addition to FY23 technical assistance base" to the Department. This action by the District

must be formally approved by the District Board. This District Board action must be documented in the minutes and must include the amount of cost share and proportional technical assistance funds to be relinquished to the Department. The appropriate Conservation District Coordinator must be notified of this action taken by the District. Relinquishing cost-share funds, and the associated technical assistance funds, to the Department prior to June 30, 2023 is an additional mechanism for Districts to meet the ninety percent (90%) obligation of their Total VACS allocation.

12. Signatures on the VACS Contract

For any practice funded in whole or in part by the VACS Program, a VACS contract must be completed and signed in its entirety by both the appropriate District staff, District Director, and the participant. For any practice marked complete and issued payment on or after July 1, 2022, failure to obtain the appropriate signatures on a VACS contract in its entirety will result in the amount provided in VACS cost-share funding for the practice, including the associated technical assistance funding, being withheld from the District's cost-share and technical assistance allocation for the next fiscal year by the Department. VACS cost-share files will be examined during financial audits, administrative cost share file reviews, and verifications to ensure the appropriate signatures have been obtained.

11.13. 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.

12.14. Unexpected State Funds Maintained by Districts:

Following the submission of the District's End of Year Cash Balance Report, all unobligated funds will be returned to the Department for reallocation in accordance with Section 9. Public funds from local, state, and federal sources are provided to Districts not for savings, but for performance of conservation and other required deliverables. It is unadvisable for any District to accumulate more than six months of Technical Assistance funds. The Department will monitor the growth of unexpended funds through audit reports and other fiscal reports generated by or at the request of the Department. The Department may reduce future funding to Districts that fail to act upon guidance and recommendations from auditors and the Department. Decisions and Department actions will be addressed on a case-by-case basis working with the affected District.

13.15. Criteria for Cost-share and Technical Assistance:

Funding allocated to Districts as cost-share and technical assistance is contingent upon appropriations by the General Assembly. Should funding availability fall short of appropriation projections during the course of ~~FY22~~, FY23, 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.

14.16. Electronic Copy:

An electronic copy of this Policy guidance in PDF format is available on the Department of Conservation and Recreation's website at <http://www.dcr.virginia.gov/laws-and-regulations/lr8b>.

15.17. 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.

16.18. 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.

17.19. 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 2022) adopted May 20, 2021 and will remain in effect until rescinded or superseded.

Attachment A

Computer Model Estimates and Ranks Based on the **2020-2022** 305(b) Report Data of the Agricultural Pollutant Loads of Nitrogen (N), Phosphorus (P), and Sediment (S) in Each of the 1,240 6th Level Hydrologic Units (HU)

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

2020 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load					
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 #
CU56 CU56	48.47 57.0906	2.91 3.2177	1.33 1.3446	1188 1197	1206 1206	1171 1169	3565 3572	HIGH HIGH	11
PL69 CU60	35.46 54.6423	1.94 2.0039	2.84 1.3303	1113 1190	1187 1186	1215 1166	3515 3542	HIGH HIGH	22
CU60 CU57	45.91 53.9809	1.66 1.9825	1.32 1.1573	1178 1184	1157 1182	1169 1126	3504 3492	HIGH HIGH	33
JL37 CU58	42.66 47.1117	1.69 1.7212	1.26 1.4546	1167 1165	1162 1144	1153 1178	3482 3487	HIGH HIGH	44
CU59 CU38	46.05 47.9341	1.77 1.7514	1.02 1.2791	1180 1168	1178 1152	1079 1156	3437 3476	HIGH HIGH	55
JL24 YO52	41.58 44.5057	1.58 1.6763	1.16 1.4145	1163 1155	1144 1134	1128 1174	3435 3463	HIGH HIGH	66
JL35 YO54	38.43 48.5793	1.41 1.7113	1.45 1.2560	1138 1170	1102 1141	1182 1149	3422 3460	HIGH HIGH	77
PL67 JL37	31.77 44.1580	1.72 1.7385	1.45 1.2741	1072 1153	1169 1150	1181 1155	3422 3458	HIGH HIGH	88
CU38 CU59	39.91 51.7938	1.46 1.9896	1.26 1.0337	1147 1179	1118 1184	1155 1086	3420 3449	HIGH HIGH	99
RA53 PL69	37.79 34.7177	1.34 1.8395	1.94 2.8560	1131 1061	1079 1164	1206 1215	3416 3440	HIGH HIGH	1010
CM26 PL49	39.98 41.8118	1.67 1.5037	1.07 2.5720	1149 1132	1159 1087	1107 1213	3415 3432	HIGH HIGH	1111
PS23 CU55	27.28 50.0166	1.70 1.8039	2.29 1.0555	1038 1174	1166 1158	1211 1097	3415 3429	HIGH HIGH	1212
CU58 YO51	38.10 40.1678	1.39 1.5643	1.42 1.6355	1133 1121	1097 1102	1178 1195	3408 3418	HIGH HIGH	1313
JL29 PS23	52.64 29.7067	1.79 1.9862	0.92 2.3056	1195 1012	1181 1183	1027 1211	3403 3406	HIGH HIGH	1414
CU57 YO50	39.96 42.5954	1.50 1.6407	1.15 1.1926	1148 1140	1127 1123	1123 1133	3398 3396	HIGH HIGH	1515
PL49 YO53	36.59 39.0687	1.27 1.5290	2.57 1.8671	1123 1100	1055 1093	1213 1202	3391 3395	HIGH HIGH	1616
PS20 JL29	26.94 54.0861	1.63 1.8737	1.59 0.9249	1034 1186	1151 1168	1194 1019	3379 3373	HIGH HIGH	1717
AS03 RA53	64.89 39.2499	2.50 1.4286	0.85 1.9376	1204 1101	1204 1060	966 1204	3374 3365	HIGH HIGH	1818
PS22 PS20	23.92 28.9382	1.54 1.8691	1.94 1.5694	1010 1005	1136 1167	1205 1191	3351 3363	HIGH HIGH	1919

2020 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load					
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 #
PS16JL35	26.0638.6208	1.561.4983	1.441.4547	10291094	11391085	11801179	33483358	HIGHHIGH	2020
JL10YO48	41.7437.8011	1.431.4884	1.021.5176	11641087	11051080	10781186	33473353	HIGHHIGH	2121
YO62CM26	34.3339.9039	1.241.6494	1.651.0771	11031118	10471124	11961110	33463352	HIGHHIGH	2222
CU55JL36	38.7750.2267	1.461.8909	1.020.9039	11411176	11151171	10821003	33383350	HIGHHIGH	2323
JL36AS03	45.8064.4575	1.662.4437	0.910.8422	11771202	11561202	1005944	33383348	HIGHHIGH	2424
CM19PL67	34.5230.9765	1.361.6798	1.241.4541	11051020	10841135	11481177	33373332	HIGHHIGH	2525
JL27JL15	33.2137.9151	1.221.3702	1.701.5275	10881091	10431048	11971187	33283326	HIGHHIGH	2626
AO23CU31	36.7946.7326	1.452.1502	1.020.8558	11241163	11121194	1085967	33213324	HIGHHIGH	2727
PS19YO59	23.2637.8435	1.451.3849	1.941.4854	9991089	11131050	12071184	33193323	HIGHHIGH	2828
JL39PL66	38.8130.3576	1.521.6154	0.921.4858	11421017	11331118	10241185	32993320	HIGHHIGH	2929
PS32PS16	25.2927.0733	1.661.7653	1.131.4549	1019987	11581153	11211180	32983320	HIGHHIGH	3030
JL25PS19	34.3325.3926	1.191.6632	1.281.9626	1104974	10341128	11581207	32963309	HIGHHIGH	3131
CU44JL10	47.4043.1923	2.161.4969	0.801.0168	11841145	11951084	9151077	32943306	HIGHHIGH	3232
JA36CU44	30.9855.9192	1.212.3749	1.550.8075	10641194	10391200	1190908	32933302	HIGHHIGH	3333
PL53PS32	29.8928.1790	1.151.9479	2.531.1366	1052996	10181175	12121119	32823290	HIGHHIGH	3434
JL01CU34	35.1244.0795	1.271.5828	1.080.9369	11081151	10561106	11121028	32763285	HIGHHIGH	3535
PL73PS22	30.6024.1037	1.481.5994	1.021.9406	1060965	11251111	10861205	32713281	HIGHHIGH	3636
CU37YO61	34.2341.5892	1.331.4706	1.031.0026	11001131	10781072	10891070	32673273	HIGHHIGH	3737
PS15PS15	22.9725.6248	1.271.5407	1.841.8510	997976	10541095	12011200	32523271	HIGHHIGH	3838
JL31JL05	40.3836.6336	1.441.3881	0.881.2203	11531076	11081051	9901141	32513268	HIGHHIGH	3939
RD68JL32	26.0236.9189	1.191.3976	1.471.2068	10281078	10361053	11831136	32473267	HIGHHIGH	4040
PL18CB07	40.7939.8302	1.631.5811	0.820.9459	11561117	11531105	9351032	32443254	HIGHHIGH	4141
PL66RA54	23.4438.7744	1.281.4039	1.411.0689	10021096	10631054	11761104	32413254	HIGHHIGH	4242
CU31JL03	34.1537.5567	1.731.4132	0.851.0632	10961086	11711057	9701102	32373245	HIGHHIGH	4343
JL32YO37	31.6736.5980	1.171.3119	1.201.2386	10711074	10261024	11401146	32373244	HIGHHIGH	4444

2020 Report Dataset	Unit Area Loads			Sorted Sequence (Rank Order) between HUs for each Pollutant's Load					
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 #
RA57CU41	32.2836.3942	1.161.3912	1.181.0926	10791072	10231052	11341113	32363237	HIGHHIGH	4545
RA59AO23	31.8537.3090	1.141.4619	1.221.0291	10731082	10161070	11471082	32363234	HIGHHIGH	4646
JL15JL39	28.2339.6577	1.101.5895	1.490.9138	10441111	10041107	11861010	32343228	HIGHHIGH	4747
PL17JL25	32.9534.6787	1.341.2763	0.991.2707	10841057	10811015	10631153	32283225	HIGHHIGH	4848
JU40JL27	23.9432.5722	1.051.2085	3.781.6978	10111033	989992	12161198	32163223	HIGHHIGH	4949
PS26JL41	22.3741.9926	1.211.6749	1.310.8507	9921134	10411132	1167956	32003222	HIGHHIGH	5050
RA54RA59	31.9435.9737	1.151.2567	1.071.2148	10751068	10171004	11061140	31983212	HIGHHIGH	5151
PL38YO55	32.7940.0262	1.301.4043	0.940.9487	10831120	10701055	10391036	31923211	HIGHHIGH	5252
CU41JA36	29.4631.4550	1.201.2143	1.061.5479	10481025	1038995	11051189	31913209	HIGHHIGH	5353
PS03PL73	18.6631.6193	1.461.5487	1.061.0248	9671026	11191099	11041080	31903205	HIGHHIGH	5454
YO36JL43	38.1656.4708	1.382.0791	0.850.6949	11341195	10941189	962819	31903203	HIGHHIGH	5555
CU34CM19	33.9933.2427	1.321.2694	0.921.2461	10931042	10741011	10211147	31883200	HIGHHIGH	5656
PL72CU37	28.1436.1146	1.361.3489	0.961.0402	10431071	10891035	10541091	31863197	HIGHHIGH	5757
CM20YO49	45.9132.6889	1.751.2987	0.721.2096	11791037	11761022	8301137	31853196	HIGHHIGH	5858
PL71JL24	31.4933.2638	1.571.3187	0.851.1574	10671043	11411025	9721127	31803195	HIGHHIGH	5959
PS33PL53	18.1229.9240	1.271.1491	1.292.5326	9631014	1057969	11601212	31803195	HIGHHIGH	6060
RA55CM20	33.7749.5478	1.191.8099	0.960.7333	10921173	10331160	1051843	31763176	HIGHHIGH	6161
PS05JL30	17.8135.0550	1.341.3025	1.171.0361	9591063	10801023	11321088	31713174	HIGHHIGH	6262
PS25PS25	19.0221.8098	1.171.4369	1.341.3144	971945	10281063	11721161	31713169	HIGHHIGH	6363
JL41PL18	35.6840.9909	1.411.6107	0.840.8274	11141124	11031114	952930	31693168	HIGHHIGH	6464
PS11PS26	20.7123.4794	1.251.3687	1.171.3216	987957	10491047	11291164	31653168	HIGHHIGH	6565
JL14YO63	34.7639.2732	1.271.3494	0.890.9332	11061102	10581036	9961027	31603165	HIGHHIGH	6666
PS21JL31	19.3039.5804	1.121.4486	1.300.8780	9731110	10121068	1166983	31513161	HIGHHIGH	6767
YO35YO35	29.7634.7153	0.991.1392	1.181.1815	10511059	963965	11371131	31513155	HIGHHIGH	6868
CU15JL26	23.3928.4902	1.121.0907	1.181.8569	10011000	1011953	11361201	31483154	HIGHHIGH	6969

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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 #
CM18JL04	25.0532.6233	1.031.2493	1.221.0799	10181036	9801000	11431112	31413148	HIGHHIGH	7070
RA39RA57	32.1732.0317	1.351.1859	0.871.1695	10771030	1082986	9821128	31413144	HIGHHIGH	7171
PS12PL17	16.9533.2641	1.201.3558	1.270.9844	9451044	10371038	11571060	31393142	HIGHHIGH	7272
RA38RA43	29.9825.9309	1.311.1533	0.911.5520	1054979	1072973	10091190	31353142	HIGHHIGH	7373
JL05RA39	25.8335.5309	0.991.5092	1.220.8695	10251065	9591089	1146980	31303134	HIGHHIGH	7474
PS14YO57	19.9337.5540	1.461.3397	0.930.9243	9801085	11171032	10301017	31273134	HIGHHIGH	7575
YO32PS11	32.7822.2830	1.161.4066	0.921.1705	1082947	10251056	10171129	31243132	HIGHHIGH	7676
RA43YO36	20.6839.9374	0.941.4173	1.510.8471	9861119	9471058	1187954	31203131	HIGHHIGH	7777
JL33YO62	37.4428.1551	1.391.0432	0.781.6442	1129995	1096937	8931196	31183128	HIGHHIGH	7878
RA60RA55	31.8935.4761	1.141.2913	0.930.9600	10741064	10131019	10291044	31163127	HIGHHIGH	7979
JL43JU40	42.6923.9551	1.731.0694	0.663.7812	1168964	1172945	7731216	31133125	HIGHHIGH	8080
JL04PS05	31.6118.7421	1.211.4664	0.901.1773	1070920	10401071	10021130	31123121	HIGHHIGH	8181
PL68CM18	29.2429.2605	1.531.1276	0.821.2710	10461008	1135958	9301154	31113120	HIGHHIGH	8282
PS56JL22	17.3931.9725	1.101.1568	1.221.0733	9561029	1005976	11451107	31063112	HIGHHIGH	8383
PS59PL72	16.7528.4446	1.071.4329	1.290.9654	942998	9941061	11611053	30973112	HIGHHIGH	8484
PS58PS56	17.6019.5297	1.071.3669	1.201.2268	957926	9961044	11411142	30943112	HIGHHIGH	8585
YO56YO29	29.6443.2315	1.151.5535	0.920.7530	10491146	10191100	1025863	30933109	HIGHHIGH	8686
PS87JL14	24.8736.9890	1.031.3597	1.030.8916	10161079	9811040	1087989	30843108	HIGHHIGH	8787
CM24YO58	34.1834.5829	1.361.2696	0.780.9577	10991055	10851012	8921041	30763108	HIGHHIGH	8888
JL28PS14	32.3921.7059	1.181.6750	0.830.9424	1080944	10321133	9421029	30543106	HIGHHIGH	8989
CU52PS33	27.1118.5534	1.031.3565	0.941.2692	1036916	9781039	10351151	30493106	HIGHHIGH	9090
RA40PS21	23.5320.6843	1.081.2514	0.951.3369	1006937	9971001	10451167	30483105	HIGHHIGH	9191
JL03PL71	23.8131.2622	0.931.6152	1.060.8535	10081022	9391117	1100961	30473100	HIGHHIGH	9292
CU45PL38	35.2033.0502	2.301.3342	0.640.9430	11101038	11991029	7321031	30413098	HIGHHIGH	9393
JL06CU45	31.5543.7368	1.162.4166	0.840.6539	10681150	10241201	949744	30413095	HIGHHIGH	9494

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CU61RA60	44.9536.0444	1.711.2548	0.610.9280	11751070	11681002	6931023	30363095	HIGHHIGH	9595
RA21RD68	25.9623.8256	1.221.0899	0.851.4740	1027961	1042952	9651181	30343094	HIGHHIGH	9696
JL46YO56	37.1534.5774	1.441.2678	0.680.9429	11281054	11071009	7981030	30333093	HIGHHIGH	9797
JL40CU18	36.1339.5354	1.371.4846	0.710.8047	11171108	10901078	820906	30273092	HIGHHIGH	9898
PS66YO46	14.3328.1382	0.951.1528	2.121.1517	866994	950972	12101123	30263089	HIGHHIGH	9999
JL30CM24	23.5139.5630	0.901.4898	1.020.7949	10041109	9341082	1083897	30213088	HIGHHIGH	100100
PL33PS03	25.6518.6902	1.081.5419	0.891.0073	1022918	9981096	9971073	30173087	HIGHHIGH	101101
CU48JL23	41.9131.4244	1.591.1748	0.611.0096	11651024	1146982	7041075	30153081	HIGHHIGH	102102
PS57JL33	16.3339.3057	1.031.5097	1.040.7847	9371103	9791090	1091888	30073081	HIGHHIGH	103103
PU17JL46	17.0541.2024	0.781.6942	1.430.6855	9471128	8791139	1179807	30053074	HIGHHIGH	104104
RA58CB08	33.3042.1367	1.151.5595	0.780.7238	10891136	10201101	895836	30043073	HIGHHIGH	105105
YO29CU15	34.1724.2390	1.221.1222	0.741.2047	1097967	1044957	8601135	30013059	HIGHHIGH	106106
RA20JL40	23.2539.6867	0.901.6141	1.000.7042	9981115	9311115	1068829	29973059	HIGHHIGH	107107
JL09CU43	30.9936.0371	1.141.2758	0.810.8647	10651069	10141014	916975	29953058	HIGHHIGH	108108
JM50CU39	16.2145.3626	0.871.6544	1.190.6650	9291158	9241125	1138774	29913057	HIGHHIGH	109109
CU43JL06	28.0637.8977	1.081.3360	0.840.8365	10411090	9991030	950937	29903057	HIGHHIGH	110110
CU40YO60	36.4835.0228	1.401.2628	0.660.8812	11211062	11011007	759984	29813053	HIGHHIGH	111111
PL34YO26	24.6934.1761	1.111.3364	0.840.8572	10151053	10081031	957968	29803052	HIGHHIGH	112112
PS55PS59	13.9217.5152	1.021.2010	1.251.2693	851898	977990	11511152	29793040	HIGHHIGH	113113
YO20JL09	17.0339.0400	0.741.3408	1.410.8053	9461098	8541033	1174907	29743038	HIGHHIGH	114114
JM15RA20	14.9529.2314	0.801.0719	1.621.0226	8861007	891947	11951079	29723033	HIGHHIGH	115115
JA45PS58	25.6218.2874	1.011.1801	0.871.2118	1021911	970983	9801138	29713032	HIGHHIGH	116116
JL34RA38	23.3827.4293	0.871.3191	0.950.9192	1000991	9221026	10481014	29703031	HIGHHIGH	117117
RA56PL68	30.3728.8586	1.111.5470	0.790.8224	10581003	10071098	903927	29683028	HIGHHIGH	118118
CU18YO32	29.3033.1232	1.111.1566	0.790.9168	10471040	1010975	9081012	29653027	HIGHHIGH	119119

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JL11YO47	19.4834.7078	0.694.3839	1.480.8182	9754058	8044049	1184920	29633027	HIGHHIGH	120420
JL42CU52	38.3629.8359	1.464.1343	0.620.9637	11374013	1116960	7104050	29633023	HIGHHIGH	121421
CU39CU35	36.4341.8669	1.354.5012	0.650.6840	11204133	10834086	756803	29593022	HIGHHIGH	122422
RA36RA24	19.0229.4258	0.784.3687	1.090.8523	9704010	8734046	1113958	29563014	HIGHHIGH	123423
YO30CU61	19.2447.3479	0.894.8388	0.950.6088	9724166	9294163	1049682	29503011	HIGHHIGH	124424
PS64CU33	17.2650.7175	1.144.8626	0.870.5974	9504177	10154165	984668	29493010	HIGHHIGH	125425
PS10RA40	15.0925.1559	0.924.1915	1.120.9592	891971	938988	11194042	29483001	HIGHHIGH	126426
YO54RA56	18.4336.4479	0.714.3426	1.260.7933	9664073	8304034	1152894	29483001	HIGHHIGH	127427
RA65YO30	33.3324.9482	1.184.1535	0.700.9728	1090969	1031974	8174055	29382998	HIGHHIGH	128428
CB24JL04	43.9830.9577	1.574.1596	0.560.9015	11704019	1142977	6174000	29292996	HIGHHIGH	129429
CU47YO11	36.2623.2203	1.394.1394	0.620.9951	1118953	1098966	7134064	29292983	HIGHHIGH	130430
NE85JM50	15.8048.8248	0.680.9569	2.634.2549	913923	797911	12144148	29242982	HIGHHIGH	131431
CU42YO20	30.7149.8221	1.170.8760	0.724.4186	1063929	1029877	8314175	29232981	HIGHHIGH	132432
PL16PL34	18.1129.3277	0.744.2678	1.070.8534	9614009	8504010	1109960	29202979	HIGHHIGH	133433
CU50JL11	49.0322.6618	1.790.8163	0.524.4812	1189949	1182847	5454182	29162978	HIGHHIGH	134434
JM62PS87	16.0224.1727	0.670.9712	1.964.0377	922966	783918	12084090	29132974	HIGHHIGH	135435
CM25JL20	25.0426.6078	1.150.9924	0.760.9760	1017986	1021925	8744058	29122969	HIGHHIGH	136436
PS34PS10	18.3046.9456	1.364.1022	0.744.1572	965889	1087955	8594125	29112969	HIGHHIGH	137437
JL20PS55	22.0644.7357	0.864.1363	0.904.2335	991843	917963	10014145	29092951	HIGHHIGH	138438
JL12CU42	19.7336.6038	0.804.3226	0.940.7354	9784075	8904028	1038846	29062949	HIGHHIGH	139439
PL70PL33	38.3327.2833	2.014.1467	0.530.8880	1135990	1190968	577988	29022946	HIGHHIGH	140440
YO28YO42	20.3822.7962	0.870.9547	0.884.0262	984951	925909	9924081	29012941	HIGHHIGH	141441
PS61JM62	14.9248.1794	0.930.7779	1.004.9749	883908	941820	10694208	28932936	HIGHHIGH	142442
JA13CU48	15.5542.1966	0.834.5446	1.020.6197	9054137	9044097	1080701	28892935	HIGHHIGH	143443
PS67PS57	17.3446.9884	1.084.1346	0.824.0310	954890	1000961	9314084	28852935	HIGHHIGH	144444

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AS06YO10	94.0020.5849	3.461.0044	0.481.0056	1214935	1210928	4551072	28792935	HIGHHIGH	145145
JL26JL42	15.8439.6821	0.651.6263	1.860.6150	9171113	7531121	1202695	28722929	HIGHHIGH	146146
RD54YO28	15.7825.3412	0.961.0035	0.910.9209	911973	951927	10101016	28722916	HIGHHIGH	147147
PS24CU40	15.2437.9597	1.001.3680	0.910.6645	8961092	9691045	1006773	28712910	HIGHHIGH	148148
JA40JL34	30.6723.7682	1.160.9471	0.680.9479	1061960	1022907	7871034	28702901	HIGHHIGH	149149
JU50CU50	13.5554.1483	0.711.9913	1.700.5208	8331187	8321185	1198528	28632900	HIGHHIGH	150150
JU21YO27	15.3633.1954	0.671.2591	1.300.7411	9021041	7911005	1165849	28582895	HIGHHIGH	151151
RA18RA36	26.0720.5343	1.080.8499	0.711.0363	1030934	1001867	8211089	28522890	HIGHHIGH	152152
YO52CM25	15.8828.8899	0.651.2129	1.360.7847	9181004	761994	1173889	28522887	HIGHHIGH	153153
CB17JA45	37.8725.9256	1.371.0286	0.560.8653	1132978	1091932	626976	28492886	HIGHHIGH	154154
RA29JM15	16.2214.8567	0.760.8074	0.971.6186	931849	863841	10551194	28492884	HIGHHIGH	155155
RA46CU47	22.5639.3816	0.901.4406	0.810.6281	9951104	9331064	921714	28492882	HIGHHIGH	156156
CU53RA58	21.7831.6525	0.841.1512	0.830.7802	9891027	912971	947884	28482882	HIGHHIGH	157157
JL22PS12	16.5713.7461	0.681.0425	1.071.1541	939810	796936	11101124	28452870	HIGHHIGH	158158
PS54YO22	17.8218.1619	1.450.8400	0.661.0675	960907	1114859	7711103	28452869	HIGHHIGH	159159
JU26PU17	17.2616.7299	1.580.7433	0.641.4525	951886	1145804	7411176	28372866	HIGHHIGH	160160
RA23PS66	19.6813.5559	0.950.8254	0.792.1640	977804	949851	9101210	28362865	HIGHHIGH	161161
JL07YO25	19.4321.2052	0.760.9284	0.900.9306	974940	859898	10001026	28332864	HIGHHIGH	162162
CU33YO33	34.0423.4600	1.310.8819	0.590.9280	1095956	1071882	6621024	28282862	HIGHHIGH	163163
RA27JL28	15.1527.2268	0.761.0491	1.000.8292	895989	861941	1071931	28272861	HIGHHIGH	164164
CU35CB24	27.6344.1049	1.111.6000	0.670.5545	10391152	10061112	781596	28262860	HIGHHIGH	165165
PS09JL12	16.1322.2936	1.010.8649	0.820.9495	925948	973874	9261037	28242859	HIGHHIGH	166166
CM28AS06	41.1893.6074	1.733.3935	0.500.4776	11591213	11701209	494433	28232855	HIGHHIGH	167167
RA62CB06	35.9743.6594	1.251.6197	0.580.5466	11161149	10521120	655582	28232851	HIGHHIGH	168168
CU54RA62	22.4442.0608	0.841.4879	0.790.5791	9941135	9151079	905637	28142851	HIGHHIGH	169169

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PS68CB09	16.0433.7636	1.041.2609	0.780.6769	9231050	9861006	900791	28092847	HIGHHIGH	170170
JA17PS34	13.5818.7433	0.781.4486	1.060.7486	835921	8701067	1103858	28082846	HIGHHIGH	171171
TP08RA29	12.7618.0183	0.820.8622	1.100.9990	790905	897872	11171067	28042844	HIGHHIGH	172172
YO50PL70	15.7939.0573	0.652.0895	1.160.5324	9121099	7641190	1127548	28032837	HIGHHIGH	173173
PU06PS54	12.0918.7483	1.051.7307	0.980.6608	750922	9901148	1061765	28012835	HIGHHIGH	174174
PS74PS64	13.1417.4732	0.831.1840	1.020.8468	810896	908985	1081953	27992834	HIGHHIGH	175175
YO06CU25	15.4919.5176	0.740.7889	0.951.0009	903925	853830	10421069	27982824	HIGHHIGH	176176
CU25RA65	16.8830.9914	0.671.1735	0.990.6966	9431021	785981	1065821	27932823	HIGHHIGH	177177
RA37JA13	16.1716.4944	0.740.8888	0.910.9691	926884	851884	10141054	27912822	HIGHHIGH	178178
JU68YO09	12.9918.6695	0.840.9094	1.010.9109	801917	910892	10761007	27872816	HIGHHIGH	179179
PL59PL16	19.9618.1540	0.870.7533	0.771.0588	981906	920809	8861098	27872813	HIGHHIGH	180180
PS39RA18	12.4629.1215	1.021.1685	0.940.7035	7751006	976979	1036828	27872813	HIGHHIGH	181181
PS28JA40	16.6231.9514	1.061.2040	0.740.6772	9401028	992991	850792	27822811	HIGHHIGH	182182
JR16JU50	13.3113.8407	0.740.7329	1.061.7039	823812	856794	10991199	27782805	HIGHHIGH	183183
RA61PS09	31.5616.9088	1.111.1493	0.610.8418	1069888	1009970	699942	27772800	HIGHHIGH	184184
AO15RA46	64.1024.3379	2.350.9577	0.440.8173	1203968	1201913	371917	27752798	HIGHHIGH	185185
JL23JU26	16.2217.9665	0.661.7257	1.010.6553	930904	7701146	1074746	27742796	HIGHHIGH	186186
CM23NE85	20.3315.5110	0.830.6638	0.772.6590	983861	907718	8801214	27702793	HIGHHIGH	187187
JL19RA51	24.0833.0735	0.961.2548	0.690.6562	10141039	9531003	803750	27702792	HIGHHIGH	188188
JL13CM21	17.3956.7726	0.632.0533	1.050.4566	9551196	7161188	1096396	27672780	HIGHHIGH	189189
PL41PS39	14.4813.2448	0.641.1717	1.290.9137	872791	733980	11621009	27672780	HIGHHIGH	190190
TP13RD54	17.2715.4413	0.720.9390	0.850.9207	952859	841902	9711015	27642776	HIGHHIGH	191191
CU49JL19	35.8028.4362	1.391.0919	0.520.6995	1115997	1099954	549823	27632774	HIGHHIGH	192192
CM21AO15	47.8862.1209	1.802.1931	0.450.4411	11851201	11831196	388370	27562767	HIGHHIGH	193193
RA51CU53	26.7522.6669	1.020.8627	0.650.8331	1032950	975873	749934	27562757	HIGHHIGH	194194

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PS62PS67	15.8917.0977	1.231.0770	0.670.8138	919891	1046948	784915	27492754	HIGHHIGH	195195
JU13CM28	13.1341.1682	0.721.7249	1.050.4977	8091127	8401145	1094479	27432751	HIGHHIGH	196196
PS63RA23	15.0220.1971	1.250.9728	0.690.7949	887932	1050919	801898	27382749	HIGHHIGH	197197
TC34PS61	11.3814.6255	0.720.9438	1.580.9034	702838	839904	11911002	27322744	HIGHHIGH	198198
JL49JL49	48.3555.4092	1.832.1231	0.430.4351	11871192	11841191	359360	27302743	HIGHHIGH	199199
JM49CU54	13.1723.8459	0.740.8892	0.990.7925	814962	852885	1064893	27302740	HIGHHIGH	200200
TP09JA17	11.8513.4748	0.720.7953	1.271.0589	732800	837835	11561099	27252734	HIGHHIGH	201201
YO53CB17	13.9938.8188	0.601.3601	1.770.5544	8571097	6671041	1200595	27242733	HIGHHIGH	202202
PL65JU21	20.1915.3403	0.840.6637	0.721.2982	982856	909717	8321159	27232732	HIGHHIGH	203203
PS08RA61	13.5434.7168	0.791.2274	0.910.6009	8311060	881998	1011674	27232732	HIGHHIGH	204204
RA49PS62	23.5117.4745	0.971.4433	0.660.6615	1005897	9551065	762766	27222728	HIGHHIGH	205205
YO51RA27	14.7215.6120	0.590.8356	1.590.9014	877864	651858	1192999	27202721	HIGHHIGH	206206
PL39RA30	22.8416.2940	0.940.6813	0.661.0736	996877	948736	7701108	27142721	HIGHHIGH	207207
YO31PL59	38.7021.6686	1.500.9254	0.480.7728	1140943	1128896	446880	27142719	HIGHHIGH	208208
CU28JL16	17.0623.7259	0.651.0368	0.910.7001	948959	757935	1007824	27122718	HIGHHIGH	209209
JL47PL41	40.4814.5755	1.600.6681	0.461.2801	1154834	1147724	4111157	27122715	HIGHHIGH	210210
JM39PS74	12.5812.8887	0.630.8432	1.921.0081	780779	724862	12041074	27082715	HIGHHIGH	211211
CB07CU49	16.2339.4749	0.641.4462	0.950.5295	9321106	7321066	1043542	27072714	HIGHHIGH	212212
RA30JM72	15.1514.2657	0.620.6508	1.051.5355	894827	712698	10971188	27032713	HIGHHIGH	213213
CB02JL13	25.9418.2096	0.940.6562	0.641.0523	1026909	945707	7281094	26992710	HIGHHIGH	214214
YO61PS63	16.1815.6842	0.611.3637	1.000.6810	928868	6991042	1072797	26992707	HIGHHIGH	215215
PS27JM49	11.9213.6079	0.830.7786	0.981.0162	737805	902821	10581076	26972702	HIGHHIGH	216216
JM42PS28	13.5917.2368	0.671.1359	1.000.7361	836893	787962	1070847	26932702	HIGHHIGH	217217
PS75PS68	14.5815.9384	0.801.0446	0.820.7830	875875	886938	929886	26902699	HIGHHIGH	218218
PL37YO18	22.3816.6929	1.010.7978	0.630.8636	993885	972839	721973	26862697	HIGHHIGH	219219

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RD70PL65	14.2921.8451	0.750.8982	0.850.7493	865946	857889	963860	26852695	HIGHHIGH	220220
PL60JM74	13.8114.5880	0.620.6733	1.161.1903	844835	711727	11261132	26812694	HIGHHIGH	221221
RU36RA49	12.6525.4767	0.831.0323	0.880.6721	783975	906934	991785	26802694	HIGHHIGH	222222
CB11JA21	27.2515.8374	0.990.7975	0.600.8745	1037872	960838	679981	26762691	HIGHHIGH	223223
YO59YO31	14.4842.7243	0.571.6066	1.480.4809	8731141	6181113	1185437	26762691	HIGHHIGH	224224
YO42RA50	13.6437.8375	0.651.4915	1.010.5102	8401088	7581083	1077510	26752681	HIGHHIGH	225225
RA63PL39	29.7125.9540	1.051.0515	0.570.6586	1050981	988942	633757	26712680	HIGHHIGH	226226
YO22RA37	13.8917.7458	0.630.8166	1.050.8229	846901	726848	1093928	26652677	HIGHHIGH	227227
JL55PS24	41.2413.4815	2.211.0885	0.400.8191	1160801	1197950	304921	26612672	HIGHHIGH	228228
JU37JM78	11.3414.1055	0.700.6738	1.201.1264	699820	823729	11391117	26612666	HIGHHIGH	229229
JM72CU12	12.9020.0744	0.600.9666	1.520.6946	798931	673915	1189818	26602664	HIGHHIGH	230230
PL36JU68	18.7112.7389	0.890.8526	0.660.9278	968770	928869	7601022	26562661	HIGHHIGH	231231
PS65TP08	15.2811.1242	1.240.7336	0.621.4838	897682	1048796	7081183	26532661	HIGHHIGH	232232
CU63JL47	36.9541.1064	1.531.6648	0.440.4601	11251125	11341129	387405	26462659	HIGHHIGH	233233
PS35CU63	15.0542.5750	1.091.6677	0.650.4512	8881138	10021130	755388	26452656	HIGHHIGH	234234
RU75CM23	14.3921.0176	0.700.8194	0.830.7576	870938	824849	945868	26392655	HIGHHIGH	235235
JU33TP13	16.1817.2150	1.070.7264	0.620.8626	927892	995790	716971	26382653	HIGHHIGH	236236
PS51TC34	18.9211.1749	1.630.7067	0.511.5870	969687	1152772	5151192	26362651	HIGHHIGH	237237
RU93CU28	12.5717.4283	0.600.6890	1.410.9087	779895	680749	11771006	26362650	HIGHHIGH	238238
TC35JL07	10.3418.2941	0.690.6876	2.090.8989	617912	808743	1209995	26342650	HIGHHIGH	239239
JM65YO06	16.2914.2444	1.020.7213	0.630.9487	934826	974789	7221035	26302650	HIGHHIGH	240240
JA42PS27	19.8112.6303	0.800.9130	0.660.8981	979761	885894	765994	26292649	HIGHHIGH	241241
CU17PS08	26.9513.1564	1.030.8950	0.550.8589	1035788	983888	609969	26272645	HIGHHIGH	242242
CB04CB02	35.2125.9484	1.230.9784	0.490.6491	1111980	1045920	469740	26252640	HIGHHIGH	243243
JM74JL17	13.1326.2588	0.601.1126	1.180.6152	808982	679956	1135697	26222635	HIGHHIGH	244244

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JM78PS54	13.0020.6646	0.624.9670	1.120.5166	802936	7014479	1118520	26212635	HIGHHIGH	245245
YO48RU75	13.0245.4293	0.580.7396	1.410.8626	803858	643802	1175972	26212632	HIGHMED	246246
PS53CU64	16.7038.7515	1.474.5991	0.520.4734	9414095	11204410	555425	26162630	HIGHMED	247247
YO60CU32	15.8249.2403	0.624.8053	0.880.4025	9154171	7134159	988298	26162628	HIGHMED	248248
RL12TP09	13.2341.4124	0.650.6946	0.941.3540	819703	752754	10404171	26112628	MEDMED	249249
CU14CU24	16.4047.9628	0.810.6977	0.660.8547	938903	893758	777965	26082626	MEDMED	250250
JM35JL55	13.4841.1166	0.692.1893	0.850.4032	8294126	8094195	967300	26052624	MEDMED	251251
CU12PL37	16.2723.8871	0.834.0574	0.660.6259	933963	901943	769741	26032617	MEDMED	252252
PU11PL36	13.0821.5209	0.850.9635	0.770.6588	806942	916914	881760	26032616	MEDMED	253253
JM83CU17	14.0031.4175	0.641.1947	0.890.5582	8594023	744989	999603	26022615	MEDMED	254254
YO37JU13	14.7842.4896	0.540.7042	1.241.0402	878747	563768	11494092	25902607	MEDMED	255255
CB26JL08	36.9845.6622	1.510.6534	0.420.9505	1126867	1130700	3324038	25882605	MEDMED	256256
JM44JM75	16.0542.6064	0.780.6346	0.684.3370	924756	877678	7864168	25872602	MEDMED	257257
YO47PL60	15.1043.8836	0.670.6238	0.804.1436	892814	784665	9114424	25872600	MEDMED	258258
YO55RU93	15.5542.9635	0.580.6097	0.954.3577	904782	637646	10464172	25872600	MEDMED	259259
JU30CU14	13.5448.5367	0.930.8673	0.700.6858	832914	942875	810809	25842598	MEDMED	260260
CU32JM83	40.3645.0352	1.510.6885	0.400.9008	1152852	1131746	298997	25812595	MEDMED	261261
JA21RL42	13.3844.1598	0.670.6844	0.850.9557	827822	781734	9734039	25812595	MEDMED	262262
PS31JA27	14.3645.1668	1.040.7373	0.640.8366	868853	985801	727938	25802592	MEDMED	263263
TP07PS75	11.8244.6184	0.770.7819	0.870.8254	730837	867824	983929	25802590	MEDMED	264264
PS04RA63	12.3529.9294	0.784.0824	0.830.5659	7624015	871949	946621	25792585	MEDMED	265265
CU62YO43	38.3642.7484	1.470.7736	0.410.8947	1136772	1121818	317992	25742582	MEDMED	266266
CM31PS34	32.7345.7179	1.324.2089	0.460.6343	1081869	1075993	416719	25722581	MEDMED	267267
JR21RD70	11.9244.7123	0.720.6946	0.890.8853	736841	838751	995986	25692578	MEDMED	268268
JM20PS53	12.5947.6394	0.714.6605	0.840.5339	781900	8284127	958550	25672577	MEDMED	269269

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CL04CB11	48.0026.3164	1.940.9830	0.330.5982	1186984	1188922	183670	25572576	MEDMED	270270
RU79JU37	13.5911.1303	0.680.6928	0.811.2123	837683	800752	9181139	25552574	MEDMED	271271
YO63PS35	15.5715.4676	0.571.1650	0.930.6484	906860	617978	1032736	25552574	MEDMED	272272
CB12TC35	36.5210.3385	1.330.6890	0.432.0932	1122616	1077748	3551209	25542573	MEDMED	273273
PU20JM39	14.3512.1634	0.570.5993	0.991.9439	867738	621627	10661206	25542571	MEDMED	274274
CB25CM27	42.8742.5929	1.701.7414	0.350.3858	11691139	11671151	217274	25532564	MEDMED	275275
RA19PS65	15.9714.8369	0.801.2945	0.650.6147	921847	8841021	748694	25532562	MEDMED	276276
RU84PS04	13.4612.5333	0.650.8523	0.860.8379	828752	750868	974939	25522559	MEDMED	277277
CM27CU46	38.5340.6633	1.631.4836	0.380.4308	11391122	11541077	252353	25452552	MEDMED	278278
PU10AS05	11.0758.6132	0.732.2087	0.920.3079	6831199	8471197	1015151	25452547	MEDMED	279279
CL03RA48	40.1515.6125	1.690.6645	0.360.8545	1150865	1163719	231963	25442547	MEDMED	280280
JM84CU62	17.2840.8777	0.771.5709	0.620.4143	9531123	8681104	714319	25352546	MEDMED	281281
AS12PS37	87.0712.6830	3.491.0469	0.290.7281	1211767	1211939	110839	25322545	MEDMED	282282
AO13AO13	63.6171.2334	2.372.5797	0.290.2971	12021205	12021203	127135	25312543	MEDMED	283283
CB08AS12	17.1684.1953	0.653.3834	0.720.2859	9491210	7481207	834118	25312535	MEDMED	284284
CL05CL05	50.9354.0307	2.212.3048	0.310.3101	11921185	11981198	138152	25282535	MEDMED	285285
PS06CL04	11.4947.9730	0.711.9383	0.870.3324	7091169	8331173	986190	25282532	MEDMED	286286
YO45PL15	12.4914.8519	0.590.7890	1.040.7435	776848	659831	1092852	25272531	MEDMED	287287
YO58JA42	14.2019.8188	0.570.8078	0.960.6577	862928	615842	1050755	25272525	MEDMED	288288
JU61CB04	13.9735.5815	1.001.2263	0.620.4885	8551066	965997	706457	25262520	MEDMED	289289
AS05CM32	53.5339.7673	2.041.6168	0.300.3938	11961116	11921119	136285	25242520	MEDMED	290290
CB14CU09	15.3414.4483	0.660.7079	0.730.8092	900832	780774	844910	25242516	MEDMED	291291
YO12CB25	13.9243.4134	0.781.7135	0.680.3556	8501147	8781143	791224	25192514	MEDMED	292292
PS85CL03	14.4341.2258	0.831.7307	0.640.3650	8711129	9051147	736238	25122514	MEDMED	293293
RA42YO12	15.8014.4472	0.840.8450	0.590.6953	914830	914864	676820	25042514	MEDMED	294294

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JA25JR21	13.6142.0664	0.660.7208	0.770.8959	838731	776785	889993	25032509	MEDMED	295295
CU64JR16	27.8241.5957	1.270.6446	0.461.0722	1040713	1059689	4031106	25022508	MEDMED	296296
RA48AO21	14.1155.6118	0.614.9541	0.840.2989	8614193	6931177	948137	25022507	MEDMED	297297
YO13CB26	11.5337.4414	0.694.5226	0.860.4203	7104083	8134091	979332	25022506	MEDMED	298298
PS07JL48	12.4647.8824	0.831.9646	0.710.3167	7731167	9031178	825161	25012506	MEDMED	299299
PS37PU06	11.9040.0034	0.920.8498	0.720.9631	734585	936866	8294048	24992499	MEDMED	300300
RA64AS04	28.3976.7714	1.012.8565	0.490.2598	10451207	9714204	47887	24942498	MEDMED	301301
RD73RA19	11.5846.4686	0.660.8308	0.900.6587	712883	777855	1004758	24932496	MEDMED	302302
AO21JA23	49.0545.5484	1.750.7360	0.290.7098	1190863	1173799	129832	24922494	MEDMED	303303
CB01PU20	33.1644.4475	1.170.5819	0.440.9963	1087831	1027597	3781065	24922493	MEDMED	304304
CU24RU79	15.0644.1737	0.580.6948	0.840.8098	890824	641755	959912	24902491	MEDMED	305305
CB13AS02	14.8155.1531	0.592.1485	0.840.2741	8794191	6541193	954103	24872487	MEDMED	306306
CU46JM20	32.9842.2548	1.280.7025	0.420.8684	1085740	1065767	337979	24872486	MEDMED	307307
PU01JA25	13.6143.9988	1.260.7156	0.540.7832	839819	1053779	594887	24862485	MEDMED	308308
JA23JL44	14.2746.2195	0.681.7730	0.700.3219	8641161	7981155	818169	24802485	MEDMED	309309
JR22RD73	12.1441.9675	0.640.6883	0.870.9144	754727	739745	9871011	24802483	MEDMED	310310
YO46RU84	12.1943.3676	0.570.6568	1.090.8682	757796	607708	1114978	24782482	MEDMED	311311
AS04CM31	61.0533.3510	2.351.2938	0.250.4642	12014045	12004020	76412	24772477	MEDMED	312312
PS52AS15	15.0685.8286	1.373.5171	0.500.2196	8894211	10924211	49554	24762476	MEDMED	313313
RA69JM65	29.9644.7700	0.990.9449	0.480.6375	1053845	962906	461724	24762475	MEDMED	314314
RD58RU36	13.1542.3404	0.750.8417	0.690.7606	811742	858860	802870	24712472	MEDMED	315315
JL44JM44	41.5645.7864	1.620.7499	0.320.6755	1162870	1149808	158789	24692467	MEDMED	316316
YO34AS08	21.8440.92736	0.874.3262	0.520.1897	9904216	9214215	55833	24692464	MEDMED	317317
AS08JL51	108.9374.1706	4.322.9209	0.190.2195	12164206	12154205	3053	24612464	MEDMED	318318
AS15JM84	83.2548.3618	3.420.8143	0.220.6235	1209913	1209845	43705	24612463	MEDMED	319319

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CU66PU11	35.0612.6274	1.500.7891	0.360.7614	1107759	1129832	224871	24602462	MEDMED	320320
RA17JL52	26.5689.1755	1.064.9015	0.470.1772	10311212	9931216	43430	24582458	MEDMED	321321
TP06AS09	10.9584.0619	0.693.3921	0.860.2038	6701209	8101208	97540	24552457	MEDMED	322322
AS09RU86	85.3211.4851	3.400.6424	0.210.9907	1210707	1208687	361063	24542457	MEDMED	323323
JL52CU66	89.2437.5173	4.931.7125	0.180.3611	12121084	12161142	26230	24542456	MEDMED	324324
JL51AS10	71.1583.3629	2.843.4261	0.220.1979	12071208	12051210	4137	24532455	MEDMED	325325
CM32TP07	33.5010.2451	1.370.6877	0.391.0622	1091610	1093744	2671101	24512455	MEDMED	326326
CM17JU30	13.9412.7437	0.690.8732	0.670.6849	853771	818876	779804	24502451	MEDMED	327327
NE59AS07	11.9596.1444	0.593.8875	0.970.1611	7401214	6531213	105623	24492450	MEDMED	328328
AS10CU69	77.8639.3884	3.081.6869	0.200.3473	12081105	12071136	32209	24472450	MEDMED	329329
PS40PS41	12.4413.3437	1.001.0489	0.620.6304	770794	968940	709716	24472450	MEDMED	330330
AS07YO34	92.8926.2893	3.731.0314	0.160.5253	1213983	1213933	19534	24452450	MEDMED	331331
AS13JL53	44.1270.9632	1.783.8321	0.270.1680	11711204	11801212	9426	24452442	MEDMED	332332
JL48AS01	39.58105.2914	1.664.1721	0.310.1293	11461215	11551214	14211	24432440	MEDMED	333333
AS02CB13	45.5414.8799	1.750.6113	0.270.8397	1176850	1175648	90941	24412439	MEDMED	334334
JL53PS06	69.0911.1911	3.720.7142	0.170.8641	1206688	1212777	23974	24412439	MEDMED	335335
AS01PS40	100.5113.0427	3.951.1302	0.130.6146	1215785	1214959	11693	24402437	MEDMED	336336
JL21RU66	17.6113.7336	0.820.6569	0.540.8176	958808	895709	583918	24362435	MEDMED	337337
JU63YO45	11.5812.1412	0.840.5869	0.691.0413	713734	911606	8091093	24332433	MEDMED	338338
PS01AO11	12.7657.2342	0.812.0311	0.650.2136	7891198	8921187	75246	24332431	MEDMED	339339
YO26NE59	13.5612.0995	0.580.6017	0.840.9888	834733	639636	9551061	24282430	MEDMED	340340
CB41CL02	49.0639.5102	1.871.6902	0.230.3270	11911107	11851138	51182	24272427	MEDMED	341341
AO11JL45	54.7944.3435	2.011.7688	0.210.2860	11971154	11891154	39119	24252427	MEDMED	342342
JL08CB41	12.8152.4199	0.561.9676	0.950.2348	7921181	5891180	104461	24252422	MEDMED	343343
TP16YO17	10.3514.7476	0.630.7370	1.010.6676	620844	729800	1075776	24242420	MEDMED	344344

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YA04CB12	10.2034.6451	0.571.2819	1.870.4288	6021056	6191016	1203347	24242419	MEDMED	345345
CB30RA64	67.6629.6637	2.401.0710	0.140.4924	12051011	1203946	13462	24212419	MEDMED	346346
JA44CB38	23.4554.3187	0.941.9408	0.490.2258	10031188	9441174	47256	24192418	MEDMED	347347
PS02PS52	11.0015.2500	0.871.5254	0.720.4950	673854	9191092	827470	24192416	MEDMED	348348
CU69CB30	34.1767.6203	1.482.3274	0.340.1395	10981203	11261199	19113	24152415	MEDMED	349349
CB31JR22	60.0712.5082	2.200.6346	0.160.8856	1200748	1196679	18987	24142414	MEDMED	350350
CB35AO08	57.3043.1718	2.101.4491	0.160.3376	11991143	11941069	21199	24142411	MEDMED	351351
AO08JM82	39.0912.5513	1.360.6929	0.330.8035	1143753	1088753	182905	24132411	MEDMED	352352
RD69RA07	12.2215.5160	0.620.7671	0.830.6446	758862	710815	944733	24122410	MEDMED	353353
CU67RA42	31.2915.8966	1.250.8766	0.400.5915	1066874	1051878	294658	24112410	MEDMED	354354
RA16YO39	12.9116.3378	0.660.8294	0.720.6045	800879	772853	836678	24082410	MEDMED	355355
AS11CB01	51.2033.7109	2.051.1879	0.160.4415	11931048	1193987	20371	24062406	MEDMED	356356
CB38AS13	47.2243.5716	1.771.8020	0.220.2695	11831148	11771157	45100	24052405	MEDMED	357357
AO09RA17	42.6327.9297	1.471.1814	0.290.4735	1166992	1122984	116426	24042402	MEDMED	358358
PL19CM30	21.1328.8188	0.881.1374	0.500.4783	9881002	927964	489435	24042401	MEDMED	359359
CB36RU76	51.9314.5078	1.920.7406	0.160.6601	1194833	1186803	22764	24022400	MEDMED	360360
JM53CB33	11.9758.6323	0.762.1326	0.680.0725	7431200	8621192	7976	24022398	MEDMED	361361
CU68CB42	30.4054.3961	1.291.9538	0.390.1840	10591189	10691176	27231	24002396	MEDMED	362362
AO18PS49	44.3215.8547	1.561.6149	0.260.4619	1172873	11401116	87406	23992395	MEDMED	363363
CB32AO14	55.6453.6926	2.031.9701	0.110.1756	11981183	11911181	1029	23992393	MEDMED	364364
JM40RA41	10.9917.2648	0.671.0126	0.830.5400	672894	788929	939570	23992393	MEDMED	365365
RD63RD71	13.1010.8584	0.740.5790	0.641.2028	807662	849593	7431134	23992389	MEDMED	366366
RU76JA26	13.2413.4823	0.690.6794	0.660.7413	820802	816733	763850	23992385	MEDMED	367367
RA07PU10	13.7010.8452	0.700.6462	0.640.9465	842658	827693	7291033	23982384	MEDMED	368368
RA66JM42	30.3111.9466	1.000.5914	0.440.9618	1056725	964612	3751046	23952383	MEDMED	369369

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<u>RU86CU67</u>	<u>10.9333.8405</u>	<u>0.604.3226</u>	<u>0.970.4052</u>	<u>6654051</u>	<u>6714027</u>	<u>1057304</u>	<u>23932382</u>	<u>MEDMED</u>	<u>370370</u>
<u>CB10PS82</u>	<u>14.8242.1709</u>	<u>0.560.7049</u>	<u>0.810.7707</u>	<u>880739</u>	<u>590763</u>	<u>922878</u>	<u>23922380</u>	<u>MEDMED</u>	<u>371371</u>
<u>RU74CB31</u>	<u>13.3453.0623</u>	<u>0.664.8969</u>	<u>0.680.1546</u>	<u>8244182</u>	<u>7694172</u>	<u>79924</u>	<u>23922375</u>	<u>MEDMED</u>	<u>372372</u>
<u>CL02PS85</u>	<u>34.2913.9210</u>	<u>1.470.7874</u>	<u>0.320.6422</u>	<u>1101818</u>	<u>1123827</u>	<u>166730</u>	<u>23902375</u>	<u>MEDMED</u>	<u>373373</u>
<u>CB42CB35</u>	<u>46.5452.2492</u>	<u>1.784.8899</u>	<u>0.180.1646</u>	<u>11824180</u>	<u>11794170</u>	<u>2724</u>	<u>23882374</u>	<u>MEDMED</u>	<u>374374</u>
<u>CM30AO09</u>	<u>23.6145.2984</u>	<u>0.994.5051</u>	<u>0.460.2922</u>	<u>10074157</u>	<u>9614088</u>	<u>419427</u>	<u>23872372</u>	<u>MEDMED</u>	<u>375375</u>
<u>RA41CB36</u>	<u>14.9350.1782</u>	<u>0.914.8776</u>	<u>0.530.1653</u>	<u>8844175</u>	<u>9354169</u>	<u>56825</u>	<u>23872369</u>	<u>MEDMED</u>	<u>376376</u>
<u>PS49CB39</u>	<u>14.9049.4694</u>	<u>1.444.8144</u>	<u>0.450.1940</u>	<u>8824172</u>	<u>11094164</u>	<u>39435</u>	<u>23852368</u>	<u>MEDMED</u>	<u>377377</u>
<u>CB39CB44</u>	<u>46.4047.0944</u>	<u>1.754.6964</u>	<u>0.190.2356</u>	<u>11814164</u>	<u>11744140</u>	<u>2963</u>	<u>23842367</u>	<u>MEDMED</u>	<u>378378</u>
<u>JL45TP16</u>	<u>39.2940.2418</u>	<u>1.520.6280</u>	<u>0.284.0320</u>	<u>1145609</u>	<u>1132672</u>	<u>1064085</u>	<u>23832366</u>	<u>MEDMED</u>	<u>379379</u>
<u>PL32RD69</u>	<u>14.0842.1624</u>	<u>0.730.6347</u>	<u>0.590.8437</u>	<u>860736</u>	<u>848680</u>	<u>672948</u>	<u>23802364</u>	<u>MEDMED</u>	<u>380380</u>
<u>AO04AO18</u>	<u>40.6245.8866</u>	<u>1.554.5934</u>	<u>0.260.2647</u>	<u>11554159</u>	<u>11384108</u>	<u>8495</u>	<u>23772362</u>	<u>MEDMED</u>	<u>381381</u>
<u>CU51CU65</u>	<u>44.3732.2343</u>	<u>1.694.4264</u>	<u>0.210.3844</u>	<u>11734034</u>	<u>11644059</u>	<u>38270</u>	<u>23752360</u>	<u>MEDMED</u>	<u>382382</u>
<u>YO17CU68</u>	<u>13.2432.5827</u>	<u>0.664.3506</u>	<u>0.660.3943</u>	<u>8214035</u>	<u>7784037</u>	<u>776288</u>	<u>23752360</u>	<u>MEDMED</u>	<u>383383</u>
<u>YO18AO04</u>	<u>12.4543.1822</u>	<u>0.584.6278</u>	<u>0.850.2632</u>	<u>7714144</u>	<u>6344122</u>	<u>96993</u>	<u>23742359</u>	<u>MEDMED</u>	<u>384384</u>
<u>RD71CB43</u>	<u>10.4346.3894</u>	<u>0.574.6588</u>	<u>1.170.2399</u>	<u>6264162</u>	<u>6134126</u>	<u>113169</u>	<u>23702357</u>	<u>MEDMED</u>	<u>385385</u>
<u>AS14YA04</u>	<u>40.9340.0069</u>	<u>1.670.5529</u>	<u>0.234.9187</u>	<u>1157587</u>	<u>1160566</u>	<u>504203</u>	<u>23672356</u>	<u>MEDMED</u>	<u>386386</u>
<u>JA27CM17</u>	<u>12.1844.3266</u>	<u>0.600.7064</u>	<u>0.830.6584</u>	<u>756828</u>	<u>675774</u>	<u>936756</u>	<u>23672355</u>	<u>MEDMED</u>	<u>387387</u>
<u>PU05CB10</u>	<u>15.6744.7307</u>	<u>0.740.5825</u>	<u>0.550.8120</u>	<u>908842</u>	<u>855598</u>	<u>603944</u>	<u>23662354</u>	<u>MEDMED</u>	<u>388388</u>
<u>CU65JM35</u>	<u>28.0942.1434</u>	<u>1.290.6157</u>	<u>0.380.8545</u>	<u>1042735</u>	<u>1068654</u>	<u>254964</u>	<u>23642353</u>	<u>MEDMED</u>	<u>389389</u>
<u>AO14CB05</u>	<u>44.7930.8457</u>	<u>1.684.1429</u>	<u>0.170.4385</u>	<u>11744018</u>	<u>1161967</u>	<u>24367</u>	<u>23592352</u>	<u>MEDMED</u>	<u>390390</u>
<u>JL16PS04</u>	<u>13.1842.8355</u>	<u>0.640.8897</u>	<u>0.690.6127</u>	<u>817776</u>	<u>736886</u>	<u>806690</u>	<u>23592352</u>	<u>MEDMED</u>	<u>391394</u>
<u>PL15RD58</u>	<u>12.7442.6354</u>	<u>0.620.7204</u>	<u>0.750.6852</u>	<u>788762</u>	<u>708784</u>	<u>863806</u>	<u>23592352</u>	<u>MEDMED</u>	<u>392392</u>
<u>JM75CB32</u>	<u>10.3950.9299</u>	<u>0.544.7994</u>	<u>1.320.1143</u>	<u>6234178</u>	<u>5574156</u>	<u>116840</u>	<u>23482344</u>	<u>MEDMED</u>	<u>393393</u>
<u>RA52RA66</u>	<u>13.3732.3456</u>	<u>0.544.0674</u>	<u>0.850.4395</u>	<u>8264032</u>	<u>554944</u>	<u>968368</u>	<u>23482344</u>	<u>MEDMED</u>	<u>394394</u>

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<u>RU70RU74</u>	<u>14.9513.7420</u>	<u>0.640.6764</u>	<u>0.620.6834</u>	<u>885809</u>	<u>745732</u>	<u>717800</u>	<u>23472341</u>	<u>MEDMED</u>	<u>395395</u>
<u>NE84CU51</u>	<u>13.2245.2849</u>	<u>0.551.6902</u>	<u>0.840.2118</u>	<u>8181156</u>	<u>5671137</u>	<u>96045</u>	<u>23452338</u>	<u>MEDMED</u>	<u>396396</u>
<u>AS18CL01</u>	<u>34.0141.5876</u>	<u>1.701.8216</u>	<u>0.260.2103</u>	<u>10941130</u>	<u>11651162</u>	<u>8144</u>	<u>23402336</u>	<u>MEDMED</u>	<u>397397</u>
<u>JM82RA69</u>	<u>11.4627.2238</u>	<u>0.650.9331</u>	<u>0.760.4835</u>	<u>706988</u>	<u>759900</u>	<u>875445</u>	<u>23402333</u>	<u>MEDMED</u>	<u>398398</u>
<u>YO57AS11</u>	<u>13.1842.9220</u>	<u>0.511.8640</u>	<u>0.920.1557</u>	<u>8161142</u>	<u>4981166</u>	<u>102622</u>	<u>23402330</u>	<u>MEDMED</u>	<u>399399</u>
<u>RL14RU57</u>	<u>12.7912.7098</u>	<u>0.590.6456</u>	<u>0.780.7590</u>	<u>791769</u>	<u>652692</u>	<u>894869</u>	<u>23372330</u>	<u>MEDMED</u>	<u>400400</u>
<u>YO39RD46</u>	<u>13.0512.6618</u>	<u>0.660.7044</u>	<u>0.650.6781</u>	<u>805764</u>	<u>779769</u>	<u>753794</u>	<u>23372327</u>	<u>MEDMED</u>	<u>401401</u>
<u>PS79PL42</u>	<u>12.8216.8692</u>	<u>0.790.8446</u>	<u>0.590.5430</u>	<u>793887</u>	<u>880863</u>	<u>663574</u>	<u>23362324</u>	<u>MEDMED</u>	<u>402402</u>
<u>RA47TC27</u>	<u>14.6510.4344</u>	<u>0.680.7109</u>	<u>0.590.8196</u>	<u>876626</u>	<u>792775</u>	<u>668922</u>	<u>23362323</u>	<u>MEDMED</u>	<u>403403</u>
<u>TP17JL21</u>	<u>9.4118.7004</u>	<u>0.560.8150</u>	<u>1.590.5356</u>	<u>541919</u>	<u>602846</u>	<u>1193557</u>	<u>23362322</u>	<u>MEDMED</u>	<u>404404</u>
<u>JA24RU70</u>	<u>12.7115.8169</u>	<u>0.670.7021</u>	<u>0.660.6106</u>	<u>785871</u>	<u>789765</u>	<u>761684</u>	<u>23352320</u>	<u>MEDMED</u>	<u>405405</u>
<u>CB44JA44</u>	<u>41.0423.4455</u>	<u>1.470.9420</u>	<u>0.230.4892</u>	<u>1158955</u>	<u>1124903</u>	<u>52458</u>	<u>23342316</u>	<u>MEDMED</u>	<u>406406</u>
<u>JM81CU36</u>	<u>12.5539.6854</u>	<u>0.621.4755</u>	<u>0.730.2921</u>	<u>7771114</u>	<u>7071075</u>	<u>847126</u>	<u>23312315</u>	<u>MEDMED</u>	<u>407407</u>
<u>YA01JU33</u>	<u>9.7613.2811</u>	<u>0.601.0149</u>	<u>1.060.5527</u>	<u>566793</u>	<u>664930</u>	<u>1101591</u>	<u>23312314</u>	<u>MEDMED</u>	<u>408408</u>
<u>JU12RL14</u>	<u>11.1313.2343</u>	<u>0.700.6014</u>	<u>0.700.7880</u>	<u>685790</u>	<u>825633</u>	<u>816891</u>	<u>23262314</u>	<u>MEDMED</u>	<u>409409</u>
<u>PS69PS07</u>	<u>10.6412.4055</u>	<u>0.690.8792</u>	<u>0.750.6120</u>	<u>644744</u>	<u>811881</u>	<u>869687</u>	<u>23242312</u>	<u>MEDMED</u>	<u>410410</u>
<u>RU90AO10</u>	<u>10.2946.1285</u>	<u>0.561.5647</u>	<u>1.150.2142</u>	<u>6121160</u>	<u>5871103</u>	<u>112447</u>	<u>23232310</u>	<u>MEDMED</u>	<u>411411</u>
<u>CM29AS14</u>	<u>35.1439.6593</u>	<u>1.451.6728</u>	<u>0.280.2371</u>	<u>11091112</u>	<u>11111131</u>	<u>10266</u>	<u>23222309</u>	<u>MEDMED</u>	<u>412412</u>
<u>PS41YO41</u>	<u>11.6316.2996</u>	<u>0.820.7437</u>	<u>0.620.5701</u>	<u>718878</u>	<u>898805</u>	<u>705625</u>	<u>23212308</u>	<u>MEDMED</u>	<u>413413</u>
<u>PS60CM29</u>	<u>9.9138.5961</u>	<u>0.801.5299</u>	<u>0.730.2862</u>	<u>5871093</u>	<u>8871094</u>	<u>845120</u>	<u>23192307</u>	<u>MEDMED</u>	<u>414414</u>
<u>PS82PL32</u>	<u>10.8814.6406</u>	<u>0.660.7676</u>	<u>0.770.5890</u>	<u>660839</u>	<u>775816</u>	<u>882652</u>	<u>23172307</u>	<u>MEDMED</u>	<u>415415</u>
<u>CB33TC32</u>	<u>41.409.8393</u>	<u>1.630.6625</u>	<u>0.070.9282</u>	<u>1161568</u>	<u>1150714</u>	<u>51025</u>	<u>23162307</u>	<u>MEDMED</u>	<u>416416</u>
<u>TP14PS60</u>	<u>11.6310.6092</u>	<u>0.630.9574</u>	<u>0.760.6565</u>	<u>716640</u>	<u>721912</u>	<u>878752</u>	<u>23152304</u>	<u>MEDMED</u>	<u>417417</u>
<u>PS84JA18</u>	<u>11.1912.0411</u>	<u>0.710.8096</u>	<u>0.680.6442</u>	<u>689728</u>	<u>829843</u>	<u>795732</u>	<u>23132303</u>	<u>MEDMED</u>	<u>418418</u>
<u>CB43AO02</u>	<u>39.2333.4962</u>	<u>1.441.2873</u>	<u>0.240.3626</u>	<u>11441046</u>	<u>11101017</u>	<u>57234</u>	<u>23112297</u>	<u>MEDMED</u>	<u>419419</u>

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RA06RA47	12.5916.3847	0.670.6833	0.650.6050	782880	782738	747679	23112297	MEDMED	420420
AO02PS02	30.3311.4572	1.180.9554	0.360.6059	1057705	1030910	223681	23102296	MEDMED	421421
PL42JU59	15.288.8071	0.690.6449	0.551.1084	898488	805691	6071115	23102294	MEDMED	422422
TP10RD63	12.5512.6686	0.690.7270	0.630.6481	778765	807791	724735	23092291	MEDMED	423423
JU27TP17	12.409.2297	0.930.5538	0.551.6709	766523	940569	5991197	23052289	MEDMED	424424
JM51PL19	10.5921.1725	0.680.8925	0.750.4923	640939	799887	864461	23032287	MEDMED	425425
JU08CB14	14.2113.8296	0.870.6003	0.510.7346	863811	918629	522845	23032285	MEDMED	426426
CL01RA28	36.3810.7607	1.580.5933	0.210.9247	1119649	1143617	371018	22992284	MEDMED	427427
CU09AS18	11.5633.7259	0.621.7371	0.770.2557	7111049	7021149	88482	22972280	MEDMED	428428
YO11RL11	10.6113.1144	0.560.6255	0.980.7030	642787	594667	1060826	22962280	MEDMED	429429
CU36JU61	34.3013.4599	1.330.9909	0.290.5326	1102799	1076924	112549	22902272	MEDMED	430430
YO49RU90	11.0110.2109	0.500.5371	1.121.1447	675605	494543	11201122	22892270	MEDMED	431431
AS20NE84	30.6812.8067	1.610.4711	0.260.9785	1062774	1148435	781059	22882268	MEDMED	432432
AO10TP14	40.3411.6167	1.390.6274	0.210.7755	1151714	1095671	40882	22862267	MEDMED	433433
JU59RA68	8.9828.6149	0.610.9441	1.060.4306	5001001	688905	1098350	22862256	MEDMED	434434
JA26JU34	12.0216.2345	0.601.2253	0.740.4450	748876	684996	852383	22842255	MEDMED	435435
JM76JU08	12.8615.3458	0.640.9373	0.650.5048	794857	737901	750496	22812254	MEDMED	436436
RA28JU12	10.9410.8810	0.560.6955	0.910.7117	669664	604756	1008833	22812253	MEDMED	437437
AS16JM53	25.7210.7991	1.430.7179	0.310.6916	1024654	1106782	150814	22802250	MEDMED	438438
JM48RL13	12.1214.1233	0.700.6633	0.610.6256	751821	822716	698710	22712247	MEDMED	439439
JM41RU69	10.1213.6506	0.690.6269	0.760.6640	597806	801669	871771	22692246	MEDMED	440440
CB03JM81	37.4512.4133	1.280.6098	0.250.7395	1130745	1064647	73848	22672240	MEDMED	441441
CB18RA06	37.0512.5710	1.420.6740	0.200.6572	1127755	1104730	34754	22652239	MEDMED	442442
JM63YO64	11.7615.2836	0.810.5963	0.570.6590	727855	894621	644761	22652237	MEDMED	443443
YO41PS79	14.3712.6255	0.650.7551	0.570.5949	869758	754811	640665	22632234	MEDMED	444444

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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 #
<u>RU87RA72</u>	<u>12.0533.6122</u>	<u>0.601.0889</u>	<u>0.730.3629</u>	<u>7491047</u>	<u>670951</u>	<u>842235</u>	<u>22612233</u>	<u>MEDMED</u>	<u>445445</u>
<u>RA67RL08</u>	<u>23.9911.6284</u>	<u>0.820.5163</u>	<u>0.420.9131</u>	<u>1012715</u>	<u>900501</u>	<u>3411008</u>	<u>22532224</u>	<u>MEDMED</u>	<u>446446</u>
<u>RL08YO08</u>	<u>11.6313.3551</u>	<u>0.520.7196</u>	<u>0.910.5847</u>	<u>717795</u>	<u>522783</u>	<u>1012646</u>	<u>22512224</u>	<u>MEDMED</u>	<u>447447</u>
<u>AS19PS43</u>	<u>30.0211.4785</u>	<u>1.540.8432</u>	<u>0.230.5900</u>	<u>1055706</u>	<u>1137861</u>	<u>56656</u>	<u>22482223</u>	<u>MEDMED</u>	<u>448448</u>
<u>RU57AS16</u>	<u>12.0126.3753</u>	<u>0.571.4716</u>	<u>0.750.3161</u>	<u>746985</u>	<u>6271073</u>	<u>865159</u>	<u>22382217</u>	<u>MEDMED</u>	<u>449449</u>
<u>PS42JA28</u>	<u>10.8016.4362</u>	<u>0.800.7770</u>	<u>0.600.5135</u>	<u>655881</u>	<u>889819</u>	<u>691514</u>	<u>22352214</u>	<u>MEDMED</u>	<u>450450</u>
<u>YO16JU35</u>	<u>12.749.6900</u>	<u>0.650.8768</u>	<u>0.600.6682</u>	<u>787555</u>	<u>768879</u>	<u>678779</u>	<u>22332213</u>	<u>MEDMED</u>	<u>451451</u>
<u>RA45JM79</u>	<u>13.7112.7797</u>	<u>0.650.6072</u>	<u>0.570.6778</u>	<u>843773</u>	<u>749645</u>	<u>638793</u>	<u>22302211</u>	<u>MEDMED</u>	<u>452452</u>
<u>JM79CU10</u>	<u>12.3318.2370</u>	<u>0.590.7605</u>	<u>0.700.5021</u>	<u>761910</u>	<u>649814</u>	<u>819486</u>	<u>22292210</u>	<u>MEDMED</u>	<u>453453</u>
<u>CB46AS20</u>	<u>35.3130.0258</u>	<u>1.401.5951</u>	<u>0.140.2559</u>	<u>11121016</u>	<u>11001109</u>	<u>1583</u>	<u>22272208</u>	<u>MEDMED</u>	<u>454454</u>
<u>CU08JA24</u>	<u>13.3612.9182</u>	<u>0.630.7157</u>	<u>0.590.5849</u>	<u>825780</u>	<u>727780</u>	<u>674647</u>	<u>22262207</u>	<u>MEDMED</u>	<u>455455</u>
<u>TP15YO23</u>	<u>9.0610.2207</u>	<u>0.550.4964</u>	<u>1.251.1379</u>	<u>508606</u>	<u>568476</u>	<u>11501120</u>	<u>22262202</u>	<u>MEDMED</u>	<u>456456</u>
<u>CB06CU70</u>	<u>16.3336.6481</u>	<u>0.611.4892</u>	<u>0.550.2081</u>	<u>9361077</u>	<u>6891081</u>	<u>60043</u>	<u>22252201</u>	<u>MEDMED</u>	<u>457457</u>
<u>YO14JU63</u>	<u>11.4710.8458</u>	<u>0.600.7815</u>	<u>0.720.6329</u>	<u>707659</u>	<u>683823</u>	<u>835718</u>	<u>22252200</u>	<u>MEDMED</u>	<u>458458</u>
<u>JM13TP10</u>	<u>10.6912.3599</u>	<u>0.630.6733</u>	<u>0.740.6396</u>	<u>648743</u>	<u>714728</u>	<u>862727</u>	<u>22242198</u>	<u>MEDMED</u>	<u>459459</u>
<u>PU16TP06</u>	<u>13.9710.1822</u>	<u>0.730.6447</u>	<u>0.510.8015</u>	<u>854601</u>	<u>844690</u>	<u>525903</u>	<u>22232194</u>	<u>MEDMED</u>	<u>460460</u>
<u>CB16TP15</u>	<u>31.988.8876</u>	<u>1.190.5352</u>	<u>0.281.3057</u>	<u>1076493</u>	<u>1035538</u>	<u>1051160</u>	<u>22162191</u>	<u>MEDMED</u>	<u>461461</u>
<u>JU03JM76</u>	<u>13.9012.6189</u>	<u>0.970.6400</u>	<u>0.460.6558</u>	<u>847757</u>	<u>957685</u>	<u>410748</u>	<u>22142190</u>	<u>MEDMED</u>	<u>462462</u>
<u>JU24RA67</u>	<u>10.2525.3054</u>	<u>0.600.8771</u>	<u>0.830.4212</u>	<u>608972</u>	<u>665880</u>	<u>937334</u>	<u>22102186</u>	<u>MEDMED</u>	<u>463463</u>
<u>RD02RU92</u>	<u>9.3010.7705</u>	<u>0.550.5238</u>	<u>1.070.9253</u>	<u>533651</u>	<u>569514</u>	<u>11081020</u>	<u>22102185</u>	<u>MEDMED</u>	<u>464464</u>
<u>RU92CU08</u>	<u>10.7613.9183</u>	<u>0.530.6539</u>	<u>0.910.5937</u>	<u>651817</u>	<u>543702</u>	<u>1013662</u>	<u>22072181</u>	<u>MEDMED</u>	<u>465465</u>
<u>JU32RA71</u>	<u>13.6723.3307</u>	<u>1.040.7787</u>	<u>0.440.4586</u>	<u>841954</u>	<u>984822</u>	<u>380403</u>	<u>22052179</u>	<u>MEDMED</u>	<u>466466</u>
<u>RU66PS69</u>	<u>11.6510.4114</u>	<u>0.540.6860</u>	<u>0.820.6872</u>	<u>721625</u>	<u>553742</u>	<u>927811</u>	<u>22012178</u>	<u>MEDMED</u>	<u>467467</u>
<u>PS43RA45</u>	<u>10.9313.4040</u>	<u>0.780.6887</u>	<u>0.580.5714</u>	<u>664798</u>	<u>876747</u>	<u>658629</u>	<u>21982174</u>	<u>MEDMED</u>	<u>468468</u>
<u>RL13JM14</u>	<u>12.8810.6578</u>	<u>0.620.6200</u>	<u>0.610.7542</u>	<u>796644</u>	<u>700661</u>	<u>702867</u>	<u>21982172</u>	<u>MEDMED</u>	<u>469469</u>

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TC23CB03	9.6137.3023	0.571.2756	0.920.2487	5591081	6141013	101977	21922171	MEDMED	470470
RL11CB46	12.0237.2405	0.581.4732	0.700.1434	7471080	6301074	81216	21892170	MEDMED	471471
CB09TC26	13.548.9135	0.540.5849	0.680.9971	830496	564604	7941066	21882166	MEDMED	472472
YO23TC33	10.278.9378	0.490.5429	1.141.1221	609499	456551	11221116	21872166	MEDMED	473473
CU70PS84	32.2710.8697	1.320.6483	0.210.6857	1078663	1073694	35808	21862165	MEDMED	474474
AS17TH45	25.598.9236	1.360.4957	0.251.6175	1020497	1086473	751193	21812163	MEDMED	475475
TC27JM60	9.4411.2451	0.630.6052	0.800.7016	544692	723642	912825	21792159	MEDMED	476476
JM33RA70	9.1821.2967	0.650.7476	0.780.4635	516941	763806	897409	21762156	MEDMED	477477
JA28RA52	14.4911.7543	0.680.4889	0.500.8595	874718	794467	501970	21692155	MEDMED	478478
JM45RU87	9.7411.8915	0.620.5810	0.780.7270	564722	704594	901838	21692154	MEDMED	479479
YO33PL14	11.0712.5094	0.490.6166	0.920.6555	681749	464657	1023747	21682153	MEDMED	480480
CB45RA16	33.0512.0680	1.270.6589	0.140.6241	1086732	1061711	12708	21592151	MEDMED	481481
TC32CB16	8.5632.5766	0.581.2314	0.980.2834	4571034	642999	1059116	21582149	MEDMED	482482
JU22CB18	8.6635.5924	0.531.3650	1.220.2031	4751067	5381043	114439	21572149	MEDMED	483483
RU69JU24	12.8910.1251	0.550.5962	0.660.8337	797594	572620	778935	21472149	MEDMED	484484
RU62JM40	12.409.5806	0.720.6028	0.510.8525	767548	836640	536959	21392147	MEDMED	485485
TH45RD75	8.3911.3542	0.500.6203	1.710.6693	443701	497662	1199781	21392144	MEDMED	486486
JA31RU22	13.9910.4108	0.670.4989	0.490.9568	858624	790478	4871040	21352142	MEDMED	487487
RD46TC23	11.039.8708	0.610.5529	0.660.9018	679571	685567	7681001	21322139	MEDMED	488488
CU29AS19	16.3028.4552	0.621.4814	0.500.2321	935999	7051076	49160	21312135	MEDMED	489489
PL31CU23	12.3611.2735	0.640.5315	0.570.8027	763695	734531	634904	21312130	MEDMED	490490
RA74JM51	23.909.7472	0.780.6544	0.370.7540	1009561	875703	244866	21282130	MEDMED	491491
CU10JA31	15.3614.9291	0.630.7212	0.500.5025	901851	725788	499489	21252128	MEDMED	492492
PL48JM80	13.1810.9162	0.700.5410	0.490.8079	815669	826549	483909	21242127	MEDMED	493493
PS13YO44	8.5912.6420	0.680.6435	0.750.6025	462763	795688	866675	21232126	MEDMED	494494

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JU35JM41	10.289.2988	0.760.6676	0.570.7679	610526	865722	647877	21222425	MEDMED	495495
YO64JA09	13.1710.4491	0.520.6506	0.660.6814	813628	530697	767799	21102124	MEDMED	496496
RU22PU05	10.2014.6679	0.490.6328	0.940.5613	603840	467674	1037608	21072122	MEDMED	497497
YO10CU26	9.5412.8794	0.500.5711	0.990.6565	551778	489585	1067751	21072114	MEDMED	498498
JU05YO16	15.9212.2751	1.270.6584	0.290.5934	920741	1060710	120661	21002112	MEDMED	499499
YO15CM15	11.9111.3481	0.610.5258	0.590.7866	735700	696521	669890	21002111	MEDMED	500500
RD57CU27	11.3110.5155	0.650.5289	0.570.8451	697633	755524	645951	20972108	MEDMED	501501
TP04RU71	11.2711.7863	0.690.5769	0.540.6810	693720	812590	592798	20972108	MEDMED	502502
RU29YA01	11.189.2831	0.540.4711	0.741.2305	688525	549434	8481143	20852102	MEDMED	503503
YO67JU32	15.8412.9631	0.680.9886	0.440.4513	916781	793923	373389	20822093	MEDMED	504504
CU27PL31	10.4812.5206	0.490.6529	0.850.5796	631750	477699	964642	20722091	MEDMED	505505
RU05PS42	8.2411.1625	0.500.9311	1.280.5075	432686	481899	1159503	20722088	MEDMED	506506
PL40PU16	16.8913.8994	0.770.7071	0.380.5066	944815	866773	260499	20702087	MEDMED	507507
JU34PS50	15.7213.8812	1.281.4358	0.280.3429	910813	10621062	96207	20682082	MEDMED	508508
JU04JU03	13.8913.2726	1.280.9267	0.320.4521	845792	1067897	154391	20662080	MEDMED	509509
RD61TH44	10.408.0814	0.590.5430	0.681.0715	624423	650552	7891105	20632080	MEDMED	510510
JA14AS17	11.0125.1337	0.651.2904	0.560.2627	676970	7621018	62490	20622078	MEDMED	511511
JL18RD61	20.5210.6379	0.880.6003	0.310.6852	985642	926630	151805	20622077	MEDMED	512512
JU46RU29	8.8611.2013	0.470.5292	1.260.7489	486689	421525	1154859	20612073	MEDMED	513513
JM54CB45	10.8533.9185	0.711.2674	0.530.1379	6581052	8311008	56912	20582072	MEDMED	514514
RA22JA14	13.2711.3171	0.800.7003	0.430.5625	822698	883759	353612	20582069	MEDMED	515515
CU26JU46	12.298.8600	0.530.4667	0.661.2614	759492	540425	7581150	20572067	MEDMED	516516
RD53RA73	10.5223.5098	0.610.7876	0.640.3868	635958	690828	730275	20552061	MEDMED	517517
JL17PL58	11.9410.6833	0.580.5364	0.600.7509	739646	629539	685862	20532047	MEDMED	518518
YO09TC31	9.559.0057	0.500.5573	0.900.8554	553505	495572	1003966	20512043	MEDMED	519519

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PS50RA74	13.1623.0678	1.280.7964	0.330.3717	812952	1066837	172251	20502040	MEDMED	520520
JA09RU78	9.7013.0000	0.600.6362	0.710.5388	563784	663682	823568	20492034	MEDMED	521521
YO21JA32	11.6414.4178	0.570.7023	0.610.4812	720829	625766	703438	20482033	MEDMED	522522
JM12PL48	11.1113.6576	0.590.7278	0.620.4781	684807	648792	715434	20472033	MEDMED	523523
PL58CU29	10.5816.4577	0.530.6271	0.750.4975	638882	541670	867478	20462030	MEDMED	524524
PS30RU94	10.689.1977	0.700.4186	0.531.3462	645521	819338	5761170	20402029	MEDMED	525525
TC33CM13	8.0512.8681	0.510.5752	1.070.5941	415777	512588	1111663	20382028	MEDMED	526526
RU77JA16	11.7310.1810	0.650.7165	0.520.5803	725600	766781	543643	20342024	MEDMED	527527
RU78TH37	12.407.3991	0.610.5094	0.541.3252	764367	687490	5821165	20332022	MEDMED	528528
TC26TP04	8.1711.2691	0.560.6902	0.920.5410	425694	588750	1016571	20292015	MEDMED	529529
RD55RD02	10.988.1232	0.640.5067	0.561.0542	671430	735487	6211095	20272012	MEDMED	530530
TC31RU05	8.467.8522	0.560.4817	0.861.2879	452400	598451	9771158	20272009	MEDMED	531531
YO24JA20	12.429.9946	0.610.6545	0.530.6346	768584	694704	565720	20272008	MEDMED	532532
RD32PS44	10.0210.4650	0.570.8266	0.720.5206	590629	606852	828527	20242008	MEDMED	533533
CB21RD32	25.679.9663	1.030.5735	0.150.7265	1023581	982586	16837	20212004	MEDMED	534534
TP12PL40	10.2017.6295	0.650.8128	0.580.3741	604899	765844	652255	20211998	MEDMED	535535
JU07JU27	12.9110.3603	0.760.7832	0.420.5340	799618	864825	345551	20081994	MEDMED	536536
JU15PL61	11.029.0598	0.690.4740	0.510.9594	678508	802443	5261043	20061994	MEDMED	537537
CB15RD57	24.0211.0562	0.870.6394	0.250.5763	1013678	923683	69632	20051993	MEDMED	538538
CM15RU21	10.449.3804	0.510.4463	0.741.0006	627533	514389	8611068	20021990	MEDMED	539539
CB19RU62	26.8412.0547	0.930.7019	0.170.5048	1033729	943764	25495	20011988	MEDMED	540540
TP05JM48	9.2710.7572	0.590.5976	0.700.6255	528648	656623	815709	19991980	MEDMED	541541
CU07JM33	12.308.6337	0.600.6014	0.520.7668	760469	678634	560876	19981979	MEDMED	542542
JU66JU80	11.998.1859	0.960.4800	0.401.0299	744433	952449	3021083	19981965	MEDMED	543543
JU80JU84	8.658.2324	0.450.6504	1.170.7046	474435	393696	1130830	19971961	MEDMED	544544

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JM17RD43	9.479.5564	0.690.5369	0.570.7654	547546	814541	635874	19961961	MEDMED	545545
JU20JA33	10.5712.9698	0.650.6708	0.550.4850	637783	747726	612449	19961958	MEDMED	546546
PU14RU77	10.4611.9637	0.590.6605	0.620.5159	628726	661713	707519	19961958	MEDMED	547547
RD43JU20	9.5810.7433	0.540.6556	0.770.5583	555647	551706	883604	19891957	MEDMED	548548
JM80RD53	9.8310.1348	0.510.5926	0.800.6518	573596	499614	914741	19861951	MEDMED	549549
PL45CB19	18.2928.1005	0.820.9827	0.290.1729	964993	899921	11727	19801941	MEDMED	550550
YO25PL02	9.3113.2303	0.470.5426	0.920.5580	534789	424550	1020602	19781941	MEDMED	551551
PS44YO21	9.9311.6915	0.770.5395	0.510.6003	588717	869547	518673	19751937	MEDMED	552552
JA02PL56	10.6812.6283	0.690.6315	0.500.5068	647760	815673	512500	19741933	MEDMED	553553
PU07JU22	9.878.0096	0.970.5194	0.470.9040	577418	956507	4411004	19741929	MEDMED	554554
PU02JM45	14.838.5638	1.100.5536	0.260.7946	881464	1003568	88896	19721928	MEDMED	555555
JM14CB21	9.2625.6701	0.561.0161	0.730.1466	526977	601931	84018	19671926	MEDMED	556556
JU84JA02	8.6010.9241	0.630.6973	0.670.5049	464670	717757	782497	19631924	MEDMED	557557
YO02JU07	11.3312.8205	0.670.7543	0.490.4228	698775	786810	479338	19631923	MEDMED	558558
PS36PU14	10.7110.3685	0.840.5844	0.450.6215	649619	913602	399702	19611923	MEDMED	559559
JM64JL18	11.0519.9935	0.720.7957	0.470.3143	680930	842836	437156	19591922	MEDMED	560560
JU36PS30	10.3411.0490	0.730.7334	0.500.4849	618677	845795	496446	19591918	MEDMED	561561
JA16PS36	9.4311.5208	0.640.9674	0.600.3977	543709	731917	680292	19541918	MEDMED	562562
TP18JM12	9.3610.4071	0.600.5573	0.640.6279	537623	672573	745713	19541909	MEDMED	563563
JU25JM17	10.869.1912	0.940.6847	0.430.5864	659519	946740	347649	19521908	MEDMED	564564
RD75JM63	10.249.8110	0.540.7208	0.660.5355	606566	565786	774556	19451908	MEDMED	565565
JU31JM58	10.2111.0448	0.820.6199	0.470.5386	605676	896660	443566	19441902	MEDMED	566566
RU21TP12	9.059.9362	0.440.6359	0.990.5796	506580	372681	1062641	19401902	MEDMED	567567
CM22JA38	13.939.5020	0.620.4359	0.440.8768	852541	703372	379982	19341895	MEDMED	568568
YO27PU07	11.079.3765	0.460.9115	0.730.4954	682531	413893	837471	19321895	MEDMED	569569

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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 #
JA12YO40	10.2411.6520	0.600.6667	0.570.4896	607716	682720	642459	19314895	MEDMED	570570
RU91JM13	10.059.0399	0.520.5292	0.690.7462	592507	535526	804856	19314889	MEDMED	571571
JU72PL44	8.4014.2218	0.580.7879	0.730.3597	444825	638829	843229	19254883	MEDMED	572572
RU28JU49	8.677.2766	0.520.4627	0.791.0605	476355	533421	9061100	19154876	MEDMED	573573
CM13PL45	11.6018.9361	0.530.7559	0.580.2955	715924	545812	654131	19144867	MEDMED	574574
PS47RD49	8.6910.2290	0.560.5782	0.730.5967	480607	593592	841667	19144866	MEDMED	575575
JR20RU89	9.888.9012	0.630.5345	0.540.7223	579495	730536	596834	19054865	MEDMED	576576
JU29JA12	11.6910.3372	0.970.6160	0.350.5532	723615	958655	219592	19004862	MEDMED	577577
NE11RU32	7.2910.8160	0.450.5310	1.320.6034	339656	384529	1170676	18934861	MEDMED	578578
JA05RL16	11.688.9375	0.690.4367	0.430.8839	722498	806377	363985	18914860	MEDMED	579579
CB05PL64	15.2812.0614	0.570.5846	0.440.5178	899730	623603	368523	18904856	MEDMED	580580
RU34RU12	10.058.9415	0.580.4650	0.590.8331	593500	633422	661932	18874854	MEDMED	581581
PU03CM22	11.9614.1709	1.040.6057	0.320.4474	741823	987643	156387	18844853	MEDMED	582582
PU09JM34	10.008.5415	0.630.4819	0.530.8331	589461	728454	566933	18834848	MEDMED	583583
RA15RU28	10.328.2796	0.610.5035	0.530.8212	616439	695484	572924	18834847	MEDMED	584584
JM21RA22	8.4112.6701	0.510.7005	0.810.4134	446766	508760	924316	18784842	MEDMED	585585
JU49RU61	7.4512.5605	0.470.6247	1.040.4726	359754	429666	1090422	18784842	MEDMED	586586
PL61JU06	9.0414.7789	0.420.9536	0.950.2589	505846	326908	104786	18784840	MEDMED	587587
YO68YO68	13.9814.6029	0.540.5439	0.490.4865	856836	558553	464451	18784840	MEDMED	588588
RD52CU07	10.3011.7566	0.600.5656	0.540.5259	614719	674582	588537	18764838	MEDMED	589589
CU23NE11	9.696.8519	0.460.4289	0.791.3159	561317	402358	9071163	18704838	MEDMED	590590
RL16TP18	8.958.6248	0.440.5894	0.880.6590	497467	376609	989762	18624838	MEDMED	591591
YO07TC30	11.778.6353	0.600.5350	0.480.7033	728470	668537	463827	18594834	MEDMED	592592
JU06JU15	13.9110.5343	0.890.6684	0.260.4957	848636	930725	79472	18574833	MEDMED	593593
PL56JR20	11.789.6555	0.580.6183	0.500.5644	729553	628659	497616	18544828	MEDMED	594594

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TH44RA31	7.399.0927	0.460.5036	1.060.7072	347511	405485	1102831	18541827	MEDMED	595595
RA31JM21	9.347.9699	0.510.4866	0.690.8438	536413	506463	807949	18491825	MEDMED	596596
RU65JU31	11.289.6286	0.630.7712	0.470.4882	694551	720817	435456	18491824	MEDMED	597597
CM05PL43	10.6312.4572	0.570.7208	0.540.3964	643746	605787	593291	18411824	MEDMED	598598
JA33RA15	11.8510.3430	0.590.6128	0.470.5344	733617	658650	445553	18361820	MEDMED	599599
RU12CB15	8.9720.3471	0.460.7582	0.820.2462	499933	403813	93373	18351819	MEDMED	600600
JM34PS47	8.138.1950	0.500.5383	0.810.7293	420434	483544	923840	18261818	MEDMED	601601
PL14PS48	10.746.9118	0.500.4536	0.601.0554	650323	488399	6881096	18261818	MEDMED	602602
JM52YO43	10.2910.3885	0.690.5973	0.450.5413	613621	817622	395573	18251816	MEDMED	603603
JM55RU91	9.869.7245	0.630.5071	0.510.6621	575557	715489	533768	18231814	MEDMED	604604
JM77PL13	10.1711.0391	0.590.5930	0.520.5146	600675	662615	559517	18211807	MEDMED	605605
JR14RL20	8.689.2157	0.490.4670	0.750.7460	478522	473426	870854	18211802	MEDMED	606606
TH37RD55	6.5310.2413	0.450.5931	1.290.5438	260608	397616	1164576	18211800	MEDMED	607607
PL64YO38	11.3013.0898	0.550.6811	0.510.3887	695786	580735	541279	18161800	MEDMED	608608
PU04JM61	12.8810.8477	1.000.6007	0.230.5092	795660	966632	54507	18151799	MEDMED	609609
JU02JM54	12.139.7250	1.060.6539	0.250.5272	753558	991701	67539	18111798	MEDMED	610610
YO44CU21	10.358.4855	0.520.4235	0.590.8933	619457	528347	664991	18111795	MEDMED	611611
JU62JM77	11.2510.2533	0.920.6061	0.330.5258	692611	937644	179536	18081791	MEDMED	612612
PS48RA34	7.1310.9349	0.450.5757	1.050.5230	327671	386589	1095531	18081791	MEDMED	613613
JU69RU34	10.909.7435	0.900.5617	0.350.5900	662560	932576	213655	18071791	MEDMED	614614
PL46YO67	11.0213.5279	0.610.5840	0.470.4460	677803	692600	438385	18071788	MEDMED	615615
CB23JA34	19.6213.4013	0.700.7114	0.070.3493	976797	821776	6212	18031785	MEDMED	616616
TC24JA37	7.918.6934	0.570.4572	0.680.7987	401479	612405	788900	18011784	MEDMED	617617
RU71CU04	10.1811.0601	0.470.5895	0.660.5045	601679	431610	766494	17981783	MEDMED	618618
RD19RD44	8.419.9740	0.480.5369	0.780.5917	447582	452540	898659	17971781	MEDMED	619619

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<u>RU32TP11</u>	<u>10.317.5631</u>	<u>0.510.4753</u>	<u>0.590.8487</u>	<u>615379</u>	<u>504444</u>	<u>677955</u>	<u>17961778</u>	<u>MEDMED</u>	<u>620620</u>
<u>JU11JU56</u>	<u>10.786.6518</u>	<u>0.700.4509</u>	<u>0.411.0340</u>	<u>654293</u>	<u>820396</u>	<u>3211087</u>	<u>17951776</u>	<u>MEDLOW</u>	<u>621621</u>
<u>TC20RD74</u>	<u>11.999.5633</u>	<u>0.650.5607</u>	<u>0.390.5894</u>	<u>745547</u>	<u>767575</u>	<u>280654</u>	<u>17921776</u>	<u>LOWLOW</u>	<u>622622</u>
<u>BS34RD52</u>	<u>6.4610.1397</u>	<u>0.460.5911</u>	<u>1.170.5386</u>	<u>253597</u>	<u>401611</u>	<u>1133567</u>	<u>17871775</u>	<u>LOWLOW</u>	<u>623623</u>
<u>RA34TP05</u>	<u>10.898.7356</u>	<u>0.570.5370</u>	<u>0.510.6560</u>	<u>661480</u>	<u>608542</u>	<u>516749</u>	<u>17851771</u>	<u>LOWLOW</u>	<u>624624</u>
<u>RD64TH39</u>	<u>9.906.8365</u>	<u>0.560.3888</u>	<u>0.551.4102</u>	<u>585311</u>	<u>599282</u>	<u>6011173</u>	<u>17851766</u>	<u>LOWLOW</u>	<u>625625</u>
<u>YA03YA03</u>	<u>7.817.6749</u>	<u>0.450.4367</u>	<u>0.890.9075</u>	<u>391385</u>	<u>389376</u>	<u>9981005</u>	<u>17781766</u>	<u>LOWLOW</u>	<u>626626</u>
<u>RL20RU67</u>	<u>8.9111.2767</u>	<u>0.470.5830</u>	<u>0.740.4942</u>	<u>490696</u>	<u>435599</u>	<u>851468</u>	<u>17761763</u>	<u>LOWLOW</u>	<u>627627</u>
<u>NE58RU23</u>	<u>8.648.5781</u>	<u>0.470.4254</u>	<u>0.770.8429</u>	<u>473465</u>	<u>422349</u>	<u>879946</u>	<u>17741760</u>	<u>LOWLOW</u>	<u>628628</u>
<u>JM18JU55</u>	<u>10.167.7185</u>	<u>0.610.5100</u>	<u>0.490.7617</u>	<u>599390</u>	<u>698492</u>	<u>476872</u>	<u>17731754</u>	<u>LOWLOW</u>	<u>629629</u>
<u>RA35PU09</u>	<u>9.7510.1057</u>	<u>0.590.5641</u>	<u>0.520.5458</u>	<u>565593</u>	<u>646580</u>	<u>562580</u>	<u>17731753</u>	<u>LOWLOW</u>	<u>630630</u>
<u>JM32CU30</u>	<u>8.6218.5481</u>	<u>0.500.7007</u>	<u>0.690.2479</u>	<u>471915</u>	<u>496761</u>	<u>80575</u>	<u>17721751</u>	<u>LOWLOW</u>	<u>631631</u>
<u>CB22JA07</u>	<u>18.1211.5152</u>	<u>0.690.6674</u>	<u>0.060.4144</u>	<u>962708</u>	<u>803721</u>	<u>3320</u>	<u>17681749</u>	<u>LOWLOW</u>	<u>632632</u>
<u>JR15TC22</u>	<u>7.827.3544</u>	<u>0.490.4196</u>	<u>0.790.9627</u>	<u>392362</u>	<u>472339</u>	<u>9041047</u>	<u>17681748</u>	<u>LOWLOW</u>	<u>633633</u>
<u>RU94JM32</u>	<u>7.808.6646</u>	<u>0.370.5046</u>	<u>1.290.6748</u>	<u>390472</u>	<u>215486</u>	<u>1163787</u>	<u>17681745</u>	<u>LOWLOW</u>	<u>634634</u>
<u>JM23PL46</u>	<u>7.7911.3436</u>	<u>0.470.5978</u>	<u>0.840.4713</u>	<u>386699</u>	<u>428624</u>	<u>953420</u>	<u>17671743</u>	<u>LOWLOW</u>	<u>635635</u>
<u>JU77JU76</u>	<u>6.658.6856</u>	<u>0.480.6027</u>	<u>0.950.5681</u>	<u>273476</u>	<u>450639</u>	<u>1041623</u>	<u>17641738</u>	<u>LOWLOW</u>	<u>636636</u>
<u>JU83RL10</u>	<u>7.4410.0487</u>	<u>0.520.5164</u>	<u>0.780.5817</u>	<u>357589</u>	<u>516502</u>	<u>891645</u>	<u>17641736</u>	<u>LOWLOW</u>	<u>637637</u>
<u>JM86BS34</u>	<u>15.685.9776</u>	<u>0.650.4293</u>	<u>0.281.3158</u>	<u>909214</u>	<u>751359</u>	<u>1031162</u>	<u>17631735</u>	<u>LOWLOW</u>	<u>638638</u>
<u>JM61PL12</u>	<u>10.3610.5348</u>	<u>0.580.4593</u>	<u>0.500.6044</u>	<u>622637</u>	<u>631416</u>	<u>505677</u>	<u>17581730</u>	<u>LOWLOW</u>	<u>639639</u>
<u>JU28JM23</u>	<u>11.427.4043</u>	<u>0.970.4532</u>	<u>0.280.8543</u>	<u>704368</u>	<u>954398</u>	<u>99962</u>	<u>17571728</u>	<u>LOWLOW</u>	<u>640640</u>
<u>JU70RU30</u>	<u>10.0410.4854</u>	<u>0.790.5189</u>	<u>0.390.5492</u>	<u>591632</u>	<u>882506</u>	<u>284588</u>	<u>17571726</u>	<u>LOWLOW</u>	<u>641641</u>
<u>RU23NE58</u>	<u>8.678.6307</u>	<u>0.430.3962</u>	<u>0.820.8443</u>	<u>477468</u>	<u>346305</u>	<u>934950</u>	<u>17571723</u>	<u>LOWLOW</u>	<u>642642</u>
<u>JA32JU85</u>	<u>11.317.5403</u>	<u>0.580.5945</u>	<u>0.470.6393</u>	<u>696377</u>	<u>635618</u>	<u>425725</u>	<u>17561720</u>	<u>LOWLOW</u>	<u>643643</u>
<u>JU56NE75</u>	<u>6.897.1740</u>	<u>0.450.3952</u>	<u>1.001.0049</u>	<u>302346</u>	<u>380303</u>	<u>10731071</u>	<u>17551720</u>	<u>LOWLOW</u>	<u>644644</u>

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TP11RD45	7.709.3683	0.480.4859	0.820.6401	376530	451462	928728	17551720	LOWLOW	645645
JM25JU04	8.6211.0075	0.520.9994	0.650.2808	469674	534926	751109	17541709	LOWLOW	646646
JU55RA35	7.879.4646	0.510.5891	0.740.5368	396537	509608	849562	17541707	LOWLOW	647647
PL26TC25	13.919.1283	0.800.5642	0.150.5618	849514	888581	17611	17541706	LOWLOW	648648
RU81TC16	10.777.4331	0.550.4775	0.510.7803	653371	576448	521885	17501704	LOWLOW	649649
JA07JM25	11.158.5133	0.640.5229	0.410.6426	687460	741512	320731	17481703	LOWLOW	650650
JA20JU29	9.0411.3847	0.540.8335	0.610.3031	504702	548856	696144	17481702	LOWLOW	651651
NE75JU83	7.687.4816	0.420.5683	0.960.6541	374373	318583	1053745	17451701	LOWLOW	652652
JA34PL35	13.0310.4691	0.660.6019	0.320.4766	804630	774637	164432	17421699	LOWLOW	653653
JU65JM24	9.887.9619	0.780.4943	0.400.6910	580412	872471	287813	17391696	LOWLOW	654654
JU01RU04	11.497.7787	1.000.4433	0.240.8176	708393	967384	62919	17371696	LOWLOW	655655
TC25CU20	8.588.5074	0.550.4178	0.610.7977	460459	577337	700899	17371695	LOWLOW	656656
RD44JU11	9.5410.3332	0.520.6830	0.580.4250	552614	529737	651342	17321693	LOWLOW	657657
RU04YO24	7.9411.0789	0.460.5305	0.800.5018	404680	415528	913485	17321693	LOWLOW	658658
YA06CM16	7.4010.9614	0.450.5390	0.870.4958	350672	392545	985473	17271690	LOWLOW	659659
PL35RU68	10.5110.7940	0.590.5500	0.470.4965	634652	657559	432475	17231686	LOWLOW	660660
YO03JU64	9.897.6568	0.570.7018	0.510.5232	583383	620762	520533	17231678	LOWLOW	661661
RU08RU73	9.269.5553	0.520.5179	0.590.5702	527545	525504	670627	17221676	LOWLOW	662662
PS76PL26	9.3613.9114	0.630.8026	0.480.1490	538816	719840	45919	17161675	LOWLOW	663663
RU35JM86	10.0515.6562	0.480.6502	0.590.2827	594866	447695	665113	17061674	LOWLOW	664664
JM43RU81	9.0910.7683	0.550.5500	0.560.4927	510650	570560	623463	17031673	LOWLOW	665665
RD49CB23	9.3019.5345	0.500.6842	0.590.0703	531927	491739	6715	16931671	LOWLOW	666666
TC22RU35	7.149.9278	0.420.4715	0.940.5887	328578	330436	1034651	16921665	LOWLOW	667667
RA72JU05	15.1211.5903	0.540.9012	0.360.2348	893712	562890	23062	16851664	LOWLOW	668668
CM14PU02	10.5811.8949	0.560.8461	0.480.2395	639724	596865	44868	16831657	LOWLOW	669669

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<u>RU37RA44</u>	<u>9.229.8927</u>	<u>0.530.6601</u>	<u>0.560.4382</u>	<u>519574</u>	<u>546712</u>	<u>618366</u>	<u>16831652</u>	<u>LOWLOW</u>	<u>670670</u>
<u>JU39YO15</u>	<u>7.119.9862</u>	<u>0.540.5149</u>	<u>0.690.5397</u>	<u>323583</u>	<u>550500</u>	<u>808569</u>	<u>16811652</u>	<u>LOWLOW</u>	<u>671671</u>
<u>RA50JM59</u>	<u>11.9210.8961</u>	<u>0.510.6678</u>	<u>0.470.3784</u>	<u>738665</u>	<u>503723</u>	<u>440261</u>	<u>16811649</u>	<u>LOWLOW</u>	<u>672672</u>
<u>PL29RA26</u>	<u>12.439.5176</u>	<u>0.720.5625</u>	<u>0.250.5215</u>	<u>769543</u>	<u>835577</u>	<u>74529</u>	<u>16781649</u>	<u>LOWLOW</u>	<u>673673</u>
<u>JR08PL09</u>	<u>8.549.9058</u>	<u>0.480.4365</u>	<u>0.670.6158</u>	<u>456576</u>	<u>441374</u>	<u>780698</u>	<u>16771648</u>	<u>LOWLOW</u>	<u>674674</u>
<u>PL30YO02</u>	<u>12.7110.1894</u>	<u>0.730.6003</u>	<u>0.220.4688</u>	<u>786602</u>	<u>846628</u>	<u>44416</u>	<u>16761646</u>	<u>LOWLOW</u>	<u>675675</u>
<u>JM24JU73</u>	<u>7.789.8914</u>	<u>0.490.5243</u>	<u>0.700.5348</u>	<u>383573</u>	<u>476516</u>	<u>814554</u>	<u>16731643</u>	<u>LOWLOW</u>	<u>676676</u>
<u>CM01JM16</u>	<u>9.5910.1980</u>	<u>0.540.5812</u>	<u>0.520.4821</u>	<u>557603</u>	<u>561596</u>	<u>552442</u>	<u>16701641</u>	<u>LOWLOW</u>	<u>677677</u>
<u>TC30RU20</u>	<u>7.916.9068</u>	<u>0.490.3942</u>	<u>0.680.9259</u>	<u>400322</u>	<u>478297</u>	<u>7921021</u>	<u>16701640</u>	<u>LOWLOW</u>	<u>678678</u>
<u>PS72TC24</u>	<u>8.318.2472</u>	<u>0.570.5506</u>	<u>0.550.5793</u>	<u>435438</u>	<u>622562</u>	<u>608638</u>	<u>16651638</u>	<u>LOWLOW</u>	<u>679679</u>
<u>PL02PL52</u>	<u>11.378.8951</u>	<u>0.430.4718</u>	<u>0.560.6238</u>	<u>701494</u>	<u>343437</u>	<u>620706</u>	<u>16641637</u>	<u>LOWLOW</u>	<u>680680</u>
<u>JU76JU72</u>	<u>8.687.9032</u>	<u>0.560.5631</u>	<u>0.540.5866</u>	<u>479406</u>	<u>597578</u>	<u>587650</u>	<u>16631634</u>	<u>LOWLOW</u>	<u>681681</u>
<u>RU61RU08</u>	<u>11.349.0943</u>	<u>0.520.4538</u>	<u>0.470.6352</u>	<u>700512</u>	<u>532400</u>	<u>428721</u>	<u>16601633</u>	<u>LOWLOW</u>	<u>682682</u>
<u>PS45PL55</u>	<u>8.079.9333</u>	<u>0.550.6137</u>	<u>0.590.4584</u>	<u>416579</u>	<u>582652</u>	<u>660401</u>	<u>16581632</u>	<u>LOWLOW</u>	<u>683683</u>
<u>PL44CU22</u>	<u>12.689.1804</u>	<u>0.570.4353</u>	<u>0.380.6489</u>	<u>784518</u>	<u>616371</u>	<u>257738</u>	<u>16571627</u>	<u>LOWLOW</u>	<u>684684</u>
<u>JA37RU59</u>	<u>8.109.8469</u>	<u>0.430.5445</u>	<u>0.770.5072</u>	<u>418569</u>	<u>348555</u>	<u>888502</u>	<u>16541626</u>	<u>LOWLOW</u>	<u>685685</u>
<u>JM69PS45</u>	<u>9.007.9062</u>	<u>0.640.5597</u>	<u>0.460.5815</u>	<u>501407</u>	<u>740574</u>	<u>413644</u>	<u>16541625</u>	<u>LOWLOW</u>	<u>686686</u>
<u>CU30PL57</u>	<u>15.608.7601</u>	<u>0.600.4816</u>	<u>0.250.6128</u>	<u>907483</u>	<u>676450</u>	<u>70691</u>	<u>16531624</u>	<u>LOWLOW</u>	<u>687687</u>
<u>JA19PU04</u>	<u>8.3911.2371</u>	<u>0.570.8296</u>	<u>0.540.2428</u>	<u>442690</u>	<u>626854</u>	<u>58570</u>	<u>16531614</u>	<u>LOWLOW</u>	<u>688688</u>
<u>JU14PL30</u>	<u>11.6312.7082</u>	<u>0.780.7325</u>	<u>0.240.2190</u>	<u>719768</u>	<u>874793</u>	<u>6052</u>	<u>16531613</u>	<u>LOWLOW</u>	<u>689689</u>
<u>JU85YO65</u>	<u>7.6811.2637</u>	<u>0.570.4867</u>	<u>0.590.4879</u>	<u>372693</u>	<u>609465</u>	<u>667455</u>	<u>16481613</u>	<u>LOWLOW</u>	<u>690690</u>
<u>JU86RL18</u>	<u>7.508.0923</u>	<u>0.470.3961</u>	<u>0.740.7776</u>	<u>363425</u>	<u>427304</u>	<u>857883</u>	<u>16471612</u>	<u>LOWLOW</u>	<u>691691</u>
<u>PS70YA06</u>	<u>8.467.0249</u>	<u>0.570.4152</u>	<u>0.530.8380</u>	<u>451340</u>	<u>624331</u>	<u>570940</u>	<u>16451611</u>	<u>LOWLOW</u>	<u>692692</u>
<u>YO65JA04</u>	<u>11.9610.0945</u>	<u>0.470.6160</u>	<u>0.490.4354</u>	<u>742590</u>	<u>434656</u>	<u>468361</u>	<u>16441607</u>	<u>LOWLOW</u>	<u>693693</u>
<u>JM58TH41</u>	<u>9.415.9151</u>	<u>0.550.4178</u>	<u>0.510.9894</u>	<u>542206</u>	<u>581336</u>	<u>5191062</u>	<u>16421604</u>	<u>LOWLOW</u>	<u>694694</u>

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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 #
JA04CM12	9.8140.2984	0.600.4587	0.450.5456	572613	669412	400578	16414603	LOWLOW	695695
CU21JU02	7.7140.6568	0.390.9086	0.880.2382	377643	269891	99467	16404601	LOWLOW	696696
JU73RD64	9.919.1101	0.510.4991	0.520.5614	586513	501479	553609	16404601	LOWLOW	697697
PL52YO66	8.9011.2391	0.470.4447	0.620.5189	488691	433386	718524	16394601	LOWLOW	698698
JM59JM69	10.468.4649	0.650.6212	0.380.4993	629454	756663	251482	16364599	LOWLOW	699699
RD60JA01	9.8910.8981	0.570.6631	0.470.3504	584666	610715	442216	16364597	LOWLOW	700700
RU72JU69	9.4010.5171	0.500.8852	0.540.2516	540634	493883	59779	16304596	LOWLOW	701701
RU20JU74	6.988.6822	0.400.4176	0.920.6737	310474	289335	1022786	16214595	LOWLOW	702702
BS32JU36	7.8510.1733	0.480.6338	0.670.4138	394599	443676	783317	16204592	LOWLOW	703703
CU04NE08	9.596.4861	0.550.3791	0.500.9648	556275	571264	4901052	16174591	LOWLOW	704704
JM16PS76	9.699.4832	0.560.5326	0.480.5151	562540	595533	460518	16174591	LOWLOW	705705
RA26RD05	9.307.9127	0.550.4080	0.500.7536	532408	573318	511864	16164590	LOWLOW	706706
RL10JU65	9.129.7597	0.490.7933	0.560.3332	513563	471834	627192	16114589	LOWLOW	707707
JA01JA29	10.5711.8572	0.650.6554	0.350.3077	636721	760705	214150	16104576	LOWLOW	708708
CU20RD41	8.108.4742	0.400.4818	0.790.5953	419456	284453	902666	16054575	LOWLOW	709709
CM03PS70	9.898.0963	0.560.5510	0.460.5467	582426	603563	417583	16024572	LOWLOW	710710
PU22JA39	10.6011.1162	0.640.5169	0.350.4467	641681	746503	211386	15984570	LOWLOW	711711
RU63CB22	11.4317.7867	0.580.6226	0.370.0619	705902	644664	2483	15974569	LOWLOW	712712
JA38PL03	7.8911.1596	0.370.3840	0.860.5617	398685	221273	976610	15954568	LOWLOW	713713
RD41JM52	8.638.8435	0.490.6339	0.580.4563	472491	469677	653394	15944562	LOWLOW	714714
RD05JR14	7.947.3211	0.440.3931	0.710.7999	403360	365296	824901	15924557	LOWLOW	715715
JA29JU25	11.698.8141	0.630.7476	0.310.3774	724489	722807	145259	15914555	LOWLOW	716716
RU30RU03	9.606.3365	0.480.3951	0.530.8990	558257	454302	578996	15904555	LOWLOW	717717
TH39JU28	5.9910.1042	0.370.8347	1.510.2713	195592	196857	1188101	15794550	LOWLOW	718718
PL13JA15	10.1410.0045	0.550.5689	0.450.4436	598586	584584	396379	15784549	LOWLOW	719719

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JU38CM14	8.9010.2595	0.760.5327	0.360.4586	489612	860534	227402	15761548	LOWLOW	720720
NE08JU62	6.5710.4463	0.400.8535	0.940.2159	264627	279870	103351	15761548	LOWLOW	721721
TC16JR15	7.036.5445	0.450.4258	0.760.8145	315280	382350	872916	15691546	LOWLOW	722722
RU14PU19	11.2212.5309	0.550.5780	0.400.3415	691751	578591	295203	15641545	LOWLOW	723723
TP02PL54	9.887.4132	0.610.4701	0.400.6535	581370	691431	290743	15621544	LOWLOW	724724
PS38TC15	8.056.3605	0.720.4725	0.410.7334	414261	834439	312844	15601544	LOWLOW	725725
RU03JM18	6.639.9023	0.410.5955	0.860.4295	271575	309619	978349	15581543	LOWLOW	726726
PL12NE04	9.796.0577	0.430.3317	0.571.2317	569231	355167	6321144	15561542	LOWLOW	727727
JU78NE69	7.187.0004	0.470.4134	0.680.7730	330334	426326	796881	15521541	LOWLOW	728728
YO66NE03	10.946.4810	0.420.3589	0.520.9634	668274	329217	5501049	15471540	LOWLOW	729729
NE36PU22	6.9510.5417	0.410.6401	0.830.3500	308638	297686	940215	15451539	LOWLOW	730730
RD35JU86	9.227.2943	0.540.4756	0.490.6470	520358	552446	471734	15431538	LOWLOW	731731
JA15CM03	9.819.7872	0.560.5483	0.440.4666	571565	586557	382414	15391536	LOWLOW	732732
NE55TC17	7.576.6357	0.430.3143	0.721.0778	369291	337133	8331111	15391535	LOWLOW	733733
RD47CM05	9.338.9533	0.520.4769	0.490.5487	535501	526447	477586	15381534	LOWLOW	734734
RA71JM55	12.408.4535	0.430.5543	0.460.5126	765451	362570	409513	15361534	LOWLOW	735735
PS18JU14	6.8210.7953	0.560.7354	0.570.2544	289653	600797	64681	15351531	LOWLOW	736736
JL02RD60	11.829.5152	0.630.5468	0.260.4751	731542	718556	85431	15341529	LOWLOW	737737
RL01RU11	8.898.4713	0.470.4959	0.550.5575	487455	438474	604600	15291529	LOWLOW	738738
RU33RU14	9.2611.3082	0.470.5638	0.530.3735	525697	432579	571253	15281529	LOWLOW	739739
YA07YA07	7.026.8519	0.420.3902	0.780.8205	314316	316286	896923	15261525	LOWLOW	740740
RD45JU38	8.358.4206	0.450.7360	0.600.3885	439448	396798	687278	15221524	LOWLOW	741741
YO05NE55	9.167.2831	0.480.4029	0.520.7461	515356	445311	561855	15211522	LOWLOW	742742
NE69TH23	6.875.9388	0.400.3516	0.811.0742	298209	294203	9251109	15171521	LOWLOW	743743
RD37RD37	8.568.4413	0.500.4920	0.530.5569	458449	485468	573598	15161515	LOWLOW	744744

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NE04JU09	6.1410.1705	0.350.6852	1.150.3237	215598	175741	1125173	15151512	LOWLOW	745745
JA10YO05	10.409.0819	0.620.5294	0.330.4968	625509	709527	180476	15141512	LOWLOW	746746
RD59JU57	9.506.3622	0.550.4174	0.440.8094	549262	579334	377911	15051507	LOWLOW	747747
CM11JU70	10.839.7061	0.540.7838	0.400.2892	656556	556826	292124	15041506	LOWLOW	748748
TC19JA05	8.179.9093	0.510.5742	0.530.4243	426577	513587	564341	15031505	LOWLOW	749749
TH23NE61	5.769.6364	0.360.3823	1.210.6104	165552	195269	1142683	15021504	LOWLOW	750750
PU19RU33	11.759.1508	0.560.4506	0.330.5485	726516	591395	184585	15011496	LOWLOW	751751
JM19RL06	8.928.0712	0.570.3656	0.450.7332	491421	611232	397842	14991495	LOWLOW	752752
JR13JU01	7.509.8853	0.460.8250	0.630.2437	362572	417850	72071	14991493	LOWLOW	753753
PL25JA10	11.5810.5174	0.640.6257	0.220.3306	714635	738668	46187	14981490	LOWLOW	754754
JU09JU39	9.866.9443	0.660.5342	0.310.5714	576327	773535	148628	14971490	LOWLOW	755755
PL43NE36	11.016.4753	0.490.3951	0.430.8105	674273	461301	361913	14961487	LOWLOW	756756
JM47BS32	7.777.2421	0.510.4267	0.550.6686	381352	500352	613780	14941484	LOWLOW	757757
PS78TC20	8.3410.8159	0.540.5484	0.500.3844	437655	547558	510269	14941482	LOWLOW	758758
CM12NE45	9.447.9901	0.440.4344	0.530.6166	545414	366367	580699	14911480	LOWLOW	759759
RU68TP02	9.808.4581	0.470.5313	0.490.5055	570452	436530	482498	14881480	LOWLOW	760760
YO19RD59	9.109.4747	0.600.5524	0.400.4429	511538	666565	307376	14841479	LOWLOW	761761
RA70CU06	11.4110.5982	0.420.5986	0.470.3491	703639	335626	439210	14771475	LOWLOW	762762
RL18RU58	7.6810.0327	0.380.5844	0.740.3922	373588	247601	855283	14751472	LOWLOW	763763
YO40TC19	9.067.7317	0.510.4849	0.480.5656	509391	515459	451619	14751469	LOWLOW	764764
RU89JU43	7.296.2479	0.420.3901	0.710.8338	337247	314285	822936	14731468	LOWLOW	765765
NE45PU03	8.139.7549	0.440.8588	0.600.1899	421562	367871	68434	14721467	LOWLOW	766766
JU58PU18	7.1211.5843	0.500.5207	0.580.3710	325711	487509	657247	14691467	LOWLOW	767767
TC17NE56	6.599.2528	0.330.3943	1.030.5793	268524	109299	1088639	14651462	LOWLOW	768768
NE56PL63	9.4710.9014	0.390.6753	0.580.2361	546667	262731	65664	14641462	LOWLOW	769769

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RU11RD35	8.408.7672	0.460.5032	0.540.5033	445485	418483	598491	14614459	LOWLOW	770770
JA03PS78	9.208.0758	0.600.5238	0.380.5175	518422	681515	259521	14581458	LOWLOW	771771
JU57YO07	6.539.8201	0.410.4937	0.780.4723	259567	300470	899421	14581458	LOWLOW	772772
RA05CM08	8.168.6919	0.480.4594	0.540.5376	423477	444417	591563	14581457	LOWLOW	773773
JA18JM64	8.238.6851	0.580.6136	0.450.4193	429475	636651	391329	14561455	LOWLOW	774774
RU83PS81	10.098.9938	0.580.5146	0.360.4850	596503	632499	228448	14561450	LOWLOW	775775
JR17JA03	8.609.5533	0.520.6153	0.490.3734	463544	524653	467252	14541449	LOWLOW	776776
RA68PL25	12.1211.5803	0.430.6398	0.430.2230	752710	344684	35855	14541449	LOWLOW	777777
JU41PU01	6.417.6735	0.390.9666	0.840.3058	247384	254916	951148	14521448	LOWLOW	778778
CM08RA05	8.588.1127	0.490.4739	0.510.5451	459429	457442	535577	14511448	LOWLOW	779779
JU43PL29	6.3811.4548	0.390.6007	0.830.2825	243704	264631	943112	14501447	LOWLOW	780780
RU07PS38	8.018.6613	0.470.7924	0.560.3006	412471	423833	615141	14501445	LOWLOW	781781
CU16RU65	8.479.3785	0.510.5102	0.490.4710	453532	510494	486419	14491445	LOWLOW	782782
PL57RU64	8.2210.6142	0.430.5503	0.580.3687	428641	360561	659242	14471444	LOWLOW	783783
RU67JM43	9.517.7438	0.460.4684	0.490.5658	550392	408429	485620	14431441	LOWLOW	784784
JR19JU41	9.306.2788	0.610.3704	0.360.8424	530251	686244	225945	14411440	LOWLOW	785785
PS29BS25	9.775.2394	0.730.3739	0.180.9751	567133	843248	281057	14381438	LOWLOW	786786
JA11JL02	9.2511.1595	0.600.6122	0.370.2738	523684	677649	235102	14351435	LOWLOW	787787
JM46PS72	7.807.8582	0.430.5069	0.610.5312	389401	345488	701546	14351435	LOWLOW	788788
NE54BS20	7.725.1522	0.420.3812	0.640.9614	378122	323267	7311045	14321434	LOWLOW	789789
PL63CU16	10.478.5487	0.640.5138	0.240.4960	630462	742497	58474	14301433	LOWLOW	790790
PL03TH40	10.764.9778	0.350.3559	0.561.1277	652105	158208	6191118	14291431	LOWLOW	791791
JA06JU66	10.068.3127	0.590.9151	0.330.2631	595441	655895	17792	14271428	LOWLOW	792792
BS30TC14	6.176.6314	0.420.4320	0.760.6640	218289	331364	877772	14261425	LOWLOW	793793
JM22JM22	8.168.2347	0.470.4737	0.520.5307	424436	439441	563545	14261422	LOWLOW	794794

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PU18NE02	11.135.8904	0.510.3309	0.370.9737	686202	502163	2371056	14251421	LOWLOW	795795
JU74YO03	8.458.0868	0.400.4843	0.610.5268	450424	278458	695538	14231420	LOWLOW	796796
NE03JU78	6.346.8744	0.370.4574	0.870.6129	237319	203406	981692	14211417	LOWLOW	797797
JL38RU83	12.4510.2051	0.580.5810	0.090.3514	772604	640595	8218	14201417	LOWLOW	798798
JM67NE22	9.016.9552	0.660.4275	0.310.6415	502330	771357	146729	14191416	LOWLOW	799799
PS81RU37	8.618.3418	0.490.4832	0.500.5143	468443	458457	492516	14181416	LOWLOW	800800
BS29RU80	6.839.7306	0.420.5146	0.680.4345	292559	322498	800358	14141415	LOWLOW	801801
PS86RL01	12.468.4189	0.460.4149	0.360.5770	774447	419330	220633	14131410	LOWLOW	802802
NE53NE53	7.046.6872	0.420.3911	0.660.6970	317295	320289	775822	14121406	LOWLOW	803803
YO38JA06	10.2910.1315	0.520.6034	0.380.3201	611595	536641	265166	14121402	LOWLOW	804804
RU59RL03	8.938.5620	0.460.4653	0.500.5111	492463	410424	509511	14111398	LOWLOW	805805
JU82TH36	6.604.8022	0.460.3497	0.641.1038	26984	406200	7351114	14101398	LOWLOW	806806
PL24PL07	9.789.6195	0.550.4452	0.390.4896	568550	574387	268460	14101397	LOWLOW	807807
TH41RD04	5.396.3528	0.380.4088	0.960.6942	122260	236319	1052817	14101396	LOWLOW	808808
NE61NE07	9.395.9645	0.360.3338	0.600.9188	539210	184171	6861013	14091394	LOWLOW	809809
BS21NE62	5.317.2419	0.370.3853	1.020.6632	112351	210274	1084769	14061394	LOWLOW	810810
YO08CM01	7.558.1011	0.450.4719	0.580.5193	368427	387438	650525	14051390	LOWLOW	811811
CU22JR08	7.996.8486	0.390.3833	0.640.6838	407313	256272	737802	14001387	LOWLOW	812812
CM16RU63	8.9510.3930	0.500.5206	0.460.3739	495622	482508	415254	13921384	LOWLOW	813813
NE21TC11	7.406.1121	0.450.3943	0.580.7430	349234	395298	648851	13921383	LOWLOW	814814
RD74RU31	7.749.0859	0.440.4227	0.570.5177	380510	371346	639522	13901378	LOWLOW	815815
BS25RD19	5.426.7894	0.380.3760	0.930.6926	126305	234255	1028816	13881376	LOWLOW	816816
RD04RU07	6.577.8237	0.420.3921	0.680.6124	265395	332292	790689	13871376	LOWLOW	817817
TC15NE54	6.467.3813	0.450.3662	0.640.6635	252366	391234	744770	13871370	LOWLOW	818818
NE62JM28	7.226.9433	0.410.5444	0.640.5023	332326	306554	739488	13771368	LOWLOW	819819

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RD56BS15	9.275.5141	0.540.3739	0.400.8454	529166	559249	289952	13771367	LOWLOW	820820
BS28JA11	7.009.3203	0.440.6334	0.610.3178	312528	370675	694164	13761367	LOWLOW	821821
BS20BS29	5.256.5493	0.380.3915	0.930.6803	103281	237290	1031795	13711366	LOWLOW	822822
NE07NE21	6.097.0110	0.350.4207	0.880.6124	205336	173342	993688	13711366	LOWLOW	823823
CU02BS21	8.615.0016	0.520.3390	0.441.0205	467106	521179	3811078	13691363	LOWLOW	824824
JM56BS27	8.715.2022	0.610.3687	0.340.9011	483126	697239	188998	13681363	LOWLOW	825825
JA39RD56	9.889.1557	0.460.5402	0.440.4012	578517	420548	367296	13651361	LOWLOW	826826
JM31BS06	8.215.2188	0.590.3348	0.390.9638	427131	660173	2711051	13581355	LOWLOW	827827
RU73TC28	7.868.0529	0.420.4604	0.560.5137	395420	328419	630515	13531354	LOWLOW	828828
JA08NE10	9.836.0109	0.590.3554	0.290.8219	574220	647207	128926	13491353	LOWLOW	829829
RU31RU82	8.948.4617	0.450.4962	0.480.4730	493453	400475	447423	13401351	LOWLOW	830830
BS23JA08	5.5610.0969	0.390.5978	0.820.2959	141591	266625	932133	13391349	LOWLOW	831831
NE02BS30	5.805.8115	0.340.3921	0.920.7485	173194	147291	1018857	13381342	LOWLOW	832832
TH36JR19	4.938.7358	0.340.5925	1.090.3698	74481	145613	1115246	13341340	LOWLOW	833833
RU82BS07	8.515.8735	0.490.3801	0.470.7637	454201	455265	423873	13321339	LOWLOW	834834
PU15JU82	7.426.5692	0.510.4731	0.490.5631	353284	505440	473614	13311338	LOWLOW	835835
NE57PS29	8.239.4167	0.430.7153	0.520.1501	430534	354778	54620	13301332	LOWLOW	836836
RL03BS28	8.156.6256	0.440.4132	0.510.6306	422288	378325	530717	13301330	LOWLOW	837837
RU85BS23	9.495.2624	0.490.3704	0.410.8435	548139	466243	313947	13271329	LOWLOW	838838
JM11RU72	8.618.3048	0.520.4390	0.420.5077	466440	518381	342504	13261325	LOWLOW	839839
BS15RU85	5.749.4336	0.380.5015	0.810.4087	161535	242482	917307	13201324	LOWLOW	840840
NE10NE57	6.118.1457	0.370.4169	0.770.5357	209431	219332	887558	13151321	LOWLOW	841841
PL20JM06	10.906.6115	0.510.4558	0.310.5716	663287	511403	140630	13141320	LOWLOW	842842
JU10JM73	7.908.7945	0.530.5251	0.430.4125	399487	544518	366315	13091320	LOWLOW	843843
TH40CM11	4.739.8628	0.340.4754	1.100.4028	57570	135445	1116299	13081314	LOWLOW	844844

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CM09JM47	9.056.7698	0.490.4426	0.420.5702	507302	470383	330626	13071311	LOWLOW	845845
RL06PL20	7.4510.9015	0.330.5100	0.710.3067	358668	121491	826149	13051308	LOWLOW	846846
JM06JM31	6.757.8786	0.460.6023	0.550.3803	282403	412638	610263	13041304	LOWLOW	847847
PL07RU56	9.228.7630	0.420.5121	0.480.4165	521484	324495	454325	12991304	LOWLOW	848848
BS06PS86	5.7210.8496	0.390.4976	0.770.3182	159661	253477	885165	12971303	LOWLOW	849849
JR18JM68	8.598.0055	0.520.7047	0.400.2830	461417	531770	303114	12951301	LOWLOW	850850
JM10YO14	9.187.8451	0.530.4579	0.370.5012	517398	542407	234483	12931288	LOWLOW	851851
PL22RD65	9.668.4459	0.560.4483	0.310.4816	560450	592394	141439	12931283	LOWLOW	852852
BS27RU88	5.558.1827	0.380.4822	0.810.4564	140432	228455	920395	12881282	LOWLOW	853853
PS83JM66	10.948.4870	0.500.6015	0.310.3250	666458	479635	139176	12841269	LOWLOW	854854
RA44RD51	7.838.9757	0.540.5259	0.420.3643	393502	555522	336237	12841261	LOWLOW	855855
JU64JM85	6.839.0208	0.620.5233	0.390.3680	293506	706513	283240	12821259	LOWLOW	856856
YO43PL04	7.419.1970	0.450.4016	0.520.4738	352520	381309	548427	12811256	LOWLOW	857857
JR01BS19	7.315.0242	0.390.3596	0.590.8212	341109	260218	673925	12741252	LOWLOW	858858
TC11CM09	5.868.7499	0.380.4710	0.740.4224	182482	230433	853337	12651252	LOWLOW	859859
NE22JA30	6.559.6712	0.390.5553	0.640.2894	262554	259571	742125	12631250	LOWLOW	860860
PS73PL50	6.958.3444	0.480.5252	0.500.3942	309444	448519	502287	12591250	LOWLOW	861861
TC14NE15	6.286.0526	0.400.3607	0.640.6807	231229	288224	734796	12531249	LOWLOW	862862
BS33RA04	5.847.8477	0.400.5101	0.670.4320	178399	287493	785356	12501248	LOWLOW	863863
CU01JU58	8.946.9414	0.550.5265	0.320.4568	494325	585523	168397	12471245	LOWLOW	864864
RL22TH09	8.005.6663	0.480.3888	0.440.6681	408185	453283	386777	12471245	LOWLOW	865865
JM57BS01	8.344.6774	0.540.3380	0.370.8927	43677	560177	242990	12381244	LOWLOW	866866
JM73JM67	8.247.8348	0.510.6174	0.400.3313	431397	507658	297189	12351244	LOWLOW	867867
JM28CU11	6.627.2483	0.490.3756	0.500.5788	270353	465254	498636	12331243	LOWLOW	868868
BS07JM05	6.916.1280	0.450.4267	0.510.5891	304237	399353	529653	12321243	LOWLOW	869869

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JU71JL38	6.5241.8946	0.520.5224	0.480.0937	257723	520511	4538	12301242	LOWLOW	870870
PL50JU77	8.725.9791	0.480.3682	0.400.6681	484215	440237	305778	12291230	LOWLOW	871871
RD23CU19	7.407.4940	0.410.4111	0.530.5231	348375	303322	575532	12261229	LOWLOW	872872
NE18JM03	6.286.6618	0.410.4466	0.600.5299	230294	302391	692543	12241228	LOWLOW	873873
RA73JM19	11.207.3630	0.390.4867	0.390.4569	690365	261464	273399	12241228	LOWLOW	874874
JM05TC18	6.276.8902	0.430.4603	0.570.5023	229320	351418	641487	12211225	LOWLOW	875875
PL04NE18	9.115.9856	0.360.3777	0.510.6523	512216	192261	517742	12211219	LOWLOW	876876
NE60PU15	7.277.3621	0.440.3766	0.500.5566	335364	375256	508597	12181217	LOWLOW	877877
JR02RA33	6.846.8064	0.370.4089	0.620.5516	295307	208320	711589	12141216	LOWLOW	878878
TC28JM46	7.666.7227	0.420.3443	0.500.6368	371298	334194	507723	12121215	LOWLOW	879879
JM68RD16	7.746.0121	0.640.2944	0.270.7918	379221	743100	89892	12111213	LOWLOW	880880
PL21YO01	10.507.6318	0.490.5862	0.280.3538	633380	474605	104223	12111208	LOWLOW	881881
TH29JU10	5.847.5201	0.350.5251	0.750.4114	180376	156517	868313	12041206	LOWLOW	882882
PU12RL22	7.927.7887	0.530.4583	0.380.4581	402394	537411	264400	12031205	LOWLOW	883883
TH27TH19	5.668.6738	0.360.2237	0.740.6269	154473	19018	858712	12021203	LOWLOW	884884
BS19TH29	5.215.5564	0.370.3423	0.770.7316	101172	207189	890841	11981202	LOWLOW	885885
BS01RD47	4.988.3595	0.350.4879	0.840.3938	83445	155466	956286	11941197	LOWLOW	886886
JU19BS03	8.615.3516	0.590.3736	0.260.6835	465148	645246	82801	11921195	LOWLOW	887887
JU53BS17	7.095.2049	0.500.3577	0.440.7453	319127	486214	385853	11901194	LOWLOW	888888
RA04PS73	7.786.3507	0.500.4673	0.420.5092	385258	480427	325508	11901193	LOWLOW	889889
JM26YO19	7.316.9934	0.490.4995	0.440.4431	342332	463480	383377	11881189	LOWLOW	890890
TH19BS04	8.715.1058	0.230.3500	0.600.7539	482120	16201	689865	11871186	LOWLOW	891891
CM04RL02	7.797.0512	0.500.4293	0.410.4989	387344	484360	315481	11861185	LOWLOW	892892
BS24RU26	5.747.0330	0.400.4144	0.640.5115	163342	282329	740512	11851183	LOWLOW	893893
JA41JR13	9.575.9986	0.520.3548	0.290.6569	554218	517205	114753	11851176	LOWLOW	894894

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JM03JA41	6.809.4532	0.430.5214	0.520.2945	288536	353510	542129	11831175	LOWLOW	895895
JM60RL19	7.549.0040	0.500.4202	0.410.4155	366504	492340	322323	11801167	LOWLOW	896896
RA08JM26	6.887.2295	0.380.4830	0.570.4346	301349	239456	637359	11771164	LOWLOW	897897
TH09RL24	6.158.6925	0.330.4067	0.730.4397	217478	113315	846369	11761162	LOWLOW	898898
YO01RU25	8.356.7765	0.550.3695	0.310.5650	438303	583240	152618	11731161	LOWLOW	899899
JA30PL21	9.2510.9955	0.530.4214	0.280.3019	522673	539344	109143	11701160	LOWLOW	900900
RD11RD76	7.336.9621	0.430.4475	0.480.4743	344331	364393	462428	11701152	LOWLOW	901901
JR03RU46	6.127.4625	0.430.4592	0.560.4382	213372	339415	616365	11681152	LOWLOW	902902
TC10BS33	5.395.4176	0.350.3636	0.760.6617	123156	171228	873767	11671151	LOWLOW	903903
BS17PL10	5.488.8231	0.370.4273	0.700.4068	131490	222356	811305	11641151	LOWLOW	904904
RL02PL24	7.099.3653	0.430.3560	0.500.4641	320529	349209	493410	11621148	LOWLOW	905905
JM38PU12	6.877.9439	0.450.4679	0.490.4084	300410	394428	465306	11591144	LOWLOW	906906
RL19NE33	9.016.4338	0.420.3237	0.420.6367	503269	327152	329722	11591143	LOWLOW	907907
RU80JM70	8.377.7149	0.440.5875	0.420.3048	440389	379607	338146	11571142	LOWLOW	908908
NE15JA22	6.057.9607	0.370.4857	0.640.3820	200411	223461	733266	11561138	LOWLOW	909909
YO04JR02	8.046.0606	0.490.3099	0.380.6718	413232	475123	266783	11541138	LOWLOW	910910
RD16RA32	6.096.5162	0.320.3786	0.730.5569	206277	108262	839599	11531138	LOWLOW	911911
JU47JM04	6.075.5504	0.370.4433	0.650.5462	204171	201385	746581	11511137	LOWLOW	912912
RU58TH27	8.425.4526	0.470.3432	0.390.6718	449162	430191	270784	11491137	LOWLOW	913913
PL06PL11	6.4910.3699	0.390.3812	0.560.3713	255620	265266	628250	11481136	LOWLOW	914914
BS03TC10	5.525.4430	0.380.3433	0.660.6714	136161	238192	772782	11461135	LOWLOW	915915
PL09NE60	8.426.9507	0.400.3946	0.460.5079	448329	273300	421505	11421134	LOWLOW	916916
JM66JA19	8.007.0231	0.550.5323	0.320.3790	409339	566532	163262	11381133	LOWLOW	917917
NE33RD23	6.656.8051	0.360.3098	0.600.6191	272306	183122	681700	11361128	LOWLOW	918918
NE24BS18	6.674.2784	0.380.3100	0.570.8511	27838	225125	631957	11341120	LOWLOW	919919

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BS04JM38	5.286.4564	0.360.4270	0.730.5027	108271	187354	838490	11331115	LOWLOW	920920
TH22JM56	7.527.3020	0.220.5256	0.650.3619	364359	15520	754233	11331112	LOWLOW	921921
NE25PL06	8.266.2703	0.430.3738	0.420.5641	434250	350247	339615	11231112	LOWLOW	922922
RL24JU53	8.626.8726	0.410.4937	0.430.4150	470318	305469	348322	11231109	LOWLOW	923923
RU25YA05	6.775.5603	0.380.3444	0.550.6490	284174	229195	605739	11181108	LOWLOW	924924
CM06CU05	7.808.5849	0.480.5179	0.390.2959	388466	442505	285134	11151105	LOWLOW	925925
YA05TH22	5.927.3381	0.360.2230	0.640.6393	183361	19117	738726	11121104	LOWLOW	926926
JR12BS08	7.454.6295	0.520.3140	0.360.8008	36069	523130	222902	11051101	LOWLOW	927927
RD09BS24	6.775.3032	0.410.3603	0.510.6484	285142	296221	524737	11051100	LOWLOW	928928
PL54NE25	6.347.9945	0.370.4141	0.580.4309	236416	214327	649355	10991098	LOWLOW	929929
CU06BS02	8.384.8952	0.480.2331	0.350.8664	44192	44926	207977	10971095	LOWLOW	930930
NE42RA08	6.926.4191	0.490.3750	0.410.5431	305266	468251	324575	10971092	LOWLOW	931931
PL11TC13	10.367.2855	0.380.4302	0.370.4425	621357	233361	243373	10971091	LOWLOW	932932
YO69NE24	10.946.1737	0.460.3652	0.140.5647	667241	416231	14617	10971089	LOWLOW	933933
RU64BS22	8.955.5068	0.430.3908	0.370.5723	496165	358288	241631	10951084	LOWLOW	934934
RA33JU71	6.426.4724	0.390.5517	0.540.3710	248272	257564	589248	10941084	LOWLOW	935935
JL54JL54	12.1712.1621	0.420.4202	0.060.0619	755737	325341	44	10841082	LOWLOW	936936
CU19JR01	7.086.3031	0.370.3082	0.520.6235	318255	213118	547704	10781077	LOWLOW	937937
CU05JM30	8.546.7370	0.500.4371	0.300.4568	455299	490378	132398	10771075	LOWLOW	938938
JM04RU60	5.817.9911	0.450.4472	0.510.3831	176415	383392	514268	10731075	LOWLOW	939939
RU26JU48	6.736.2050	0.390.3682	0.510.5534	280243	252238	540593	10721074	LOWLOW	940940
BS13JR03	4.455.3692	0.300.3887	0.850.5794	36152	69281	961640	10661073	LOWLOW	941941
TC18RD12	6.496.6498	0.420.3588	0.490.5383	256292	336216	474565	10661073	LOWLOW	942942
CM10PL01	8.697.6979	0.490.4328	0.290.4141	481388	459366	125318	10651072	LOWLOW	943943
BS22BS11	5.784.2662	0.410.2892	0.540.8421	17136	29589	595943	10611068	LOWLOW	944944

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JU48TH35	6.324.7474	0.370.3488	0.550.6753	23580	220199	606788	10611067	LOWLOW	945945
BS18BS35	4.375.2430	0.310.3642	0.830.6218	30134	91229	938703	10591066	LOWLOW	946946
JU75TH32	7.045.4147	0.480.3143	0.400.6673	316155	446134	293775	10551064	LOWLOW	947947
RD65JR17	7.366.7465	0.400.3813	0.460.5035	346301	292268	412493	10501062	LOWLOW	948948
RU60TH43	8.095.5617	0.450.3517	0.370.6056	417175	385204	247680	10491059	LOWLOW	949949
BS08NE42	4.805.7687	0.320.4590	0.760.4870	65189	106414	876453	10471056	LOWLOW	950950
CU11TH11	6.415.4234	0.370.3826	0.550.5690	246157	198271	602624	10461052	LOWLOW	951951
TH38TC29	4.709.4826	0.310.3577	0.790.4009	50539	86213	909295	10451047	LOWLOW	952952
BS26PS13	5.755.1628	0.360.4817	0.600.4950	164125	188452	690469	10421046	LOWLOW	953953
RD12NE06	6.665.9684	0.380.3318	0.510.5949	276212	227168	539664	10421044	LOWLOW	954954
RD62RD21	7.786.4191	0.440.3310	0.390.5628	384267	377164	274613	10351044	LOWLOW	955955
BS11PS83	4.389.5837	0.300.4462	0.830.2760	31549	62388	941105	10341042	LOWLOW	956956
RD03TH15	5.959.1485	0.350.3398	0.600.4256	186515	165183	683343	10341041	LOWLOW	957957
BS35RD67	5.798.2457	0.400.5001	0.540.2871	172437	271481	590122	10331040	LOWLOW	958958
BS02BS16	4.984.4767	0.250.3048	0.810.7660	8253	31111	919875	10321039	LOWLOW	959959
TH35JU19	4.927.8271	0.350.5393	0.680.2644	73396	162546	79394	10281036	LOWLOW	960960
NE46NE37	8.014.8101	0.430.3154	0.380.6917	41185	352136	261815	10241036	LOWLOW	961961
JM09NE82	7.365.9171	0.440.3664	0.410.5518	345207	369235	309590	10231032	LOWLOW	962962
RD77RD77	7.447.4130	0.410.3903	0.440.4426	356369	298287	369375	10231031	LOWLOW	963963
JM30RU10	6.827.2324	0.430.4653	0.440.3761	290350	356423	376258	10221031	LOWLOW	964964
NE34JR05	6.145.3466	0.380.2746	0.530.6859	216147	22472	581810	10211029	LOWLOW	965965
RU88RD11	7.136.6029	0.400.3376	0.460.5381	326286	283176	406564	10151026	LOWLOW	966966
NE06NE46	6.057.6880	0.350.4323	0.570.3850	201387	169365	643271	10131023	LOWLOW	967967
NE82TC08	6.147.0031	0.380.3995	0.520.4449	214335	245307	554381	10131023	LOWLOW	968968
TH15BS26	9.255.4291	0.330.3313	0.430.6151	524159	124166	365696	10131021	LOWLOW	969969

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PL55RU09	7.777.6443	0.410.4420	0.420.3711	382382	301382	328249	10114013	LOWLOW	970970
NE37JM11	5.126.9938	0.320.4316	0.700.4103	90333	103362	813310	10064005	LOWLOW	971971
JM85NE09	7.436.0242	0.460.2965	0.360.5983	355225	414104	232671	10014000	LOWLOW	972972
RU56TH38	7.264.4184	0.410.2724	0.430.7726	33450	31267	349879	995996	LOWLOW	973973
RL07RU01	7.285.0937	0.380.2695	0.460.6903	336119	23564	420812	991995	LOWLOW	974974
BS16PL51	4.608.0183	0.310.4386	0.740.3358	43419	87379	856196	986994	LOWLOW	975975
JA22RD03	7.295.6504	0.450.3113	0.380.6112	338181	390127	258685	986993	LOWLOW	976976
TH32TH42	5.485.0814	0.340.3293	0.620.6302	132118	139160	712715	983993	LOWLOW	977977
JU81BS13	6.054.2097	0.420.2692	0.490.7935	19833	31363	470895	981991	LOWLOW	978978
NE40PL62	6.277.9329	0.370.4855	0.510.2867	228409	218460	531121	977990	LOWLOW	979979
RU10NE34	7.415.6577	0.460.3600	0.350.5476	351182	411220	215584	977986	LOWLOW	980980
TH11JM10	5.467.6873	0.390.4364	0.530.3568	128386	270373	579226	977985	LOWLOW	981981
PU13NE40	7.156.0275	0.490.3552	0.340.5341	329226	460206	185552	974984	LOWLOW	982982
PL10CU02	8.246.7077	0.410.4001	0.360.4433	433297	304308	233378	970983	LOWLOW	983983
PL51PL22	8.009.3086	0.440.3607	0.340.3612	410527	368223	187231	965981	LOWLOW	984984
TC13TH30	7.014.5595	0.400.2647	0.430.7506	31362	28658	364861	963981	LOWLOW	985985
JU67YO04	6.797.0365	0.550.4582	0.280.3581	287343	575409	98228	960980	LOWLOW	986986
RA25JU75	6.456.9279	0.430.4949	0.430.3255	251324	347472	360178	958974	LOWLOW	987987
TH30JR18	4.776.9015	0.270.4111	0.740.4178	61321	43321	854327	958969	LOWLOW	988988
JM70RD01	7.105.9940	0.520.3864	0.280.4939	322217	527275	108467	957959	LOWLOW	989989
JM27RL21	6.376.8507	0.430.4038	0.420.4199	242314	363312	344330	949956	LOWLOW	990990
RA32JU17	5.966.0395	0.350.4366	0.530.4306	190228	178375	574351	942954	LOWLOW	991991
RA24RL07	6.357.0117	0.400.3658	0.470.4453	238337	275233	426384	939954	LOWLOW	992992
RL21JM71	6.856.7400	0.430.4579	0.400.3697	296300	341408	301245	938953	LOWLOW	993993
RU06RD09	6.535.9685	0.410.3644	0.440.5097	258213	307230	372509	937952	LOWLOW	994994

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NE09RD15	6.115.6596	0.320.2929	0.560.5990	210183	9695	629672	935950	LOWLOW	995995
NE32RD18	8.755.5194	0.350.3445	0.390.5456	485168	163196	281579	929943	LOWLOW	996996
TC08JM09	6.926.8441	0.370.4143	0.470.4047	306312	197328	424302	927942	LOWLOW	997997
NE47JM27	7.126.1475	0.390.4260	0.420.4262	324239	267351	331344	922934	LOWLOW	998998
RU09JU47	7.475.9348	0.430.2812	0.340.5850	361208	35778	203648	921934	LOWLOW	999999
JM08NE87	6.784.6350	0.450.2287	0.370.7231	28671	39824	236835	920930	LOWLOW	10001000
RD21RU06	6.226.2151	0.390.3923	0.480.4450	221244	249294	449382	919920	LOWLOW	10011001
TC29CU01	9.127.2002	0.330.4709	0.390.2992	514348	129432	275138	918918	LOWLOW	10021002
PL62NE32	7.538.4159	0.470.3199	0.290.4169	365446	437144	115326	917916	LOWLOW	10031003
TH20BS09	6.394.3808	0.330.3018	0.520.6587	24547	127108	544759	916914	LOWLOW	10041004
JU44JU44	6.326.2186	0.400.3865	0.460.4562	234245	272276	408393	914914	LOWLOW	10051005
RL04NE35	6.875.3314	0.370.3395	0.460.5488	299144	206182	407587	912913	LOWLOW	10061006
RD51RD40	7.327.6438	0.420.3012	0.370.4691	343381	321106	246417	910904	LOWLOW	10071007
PL23YO69	6.849.7605	0.420.4116	0.390.1435	294564	333323	28217	909904	LOWLOW	10081008
JR07JL58	6.2610.8276	0.330.3680	0.520.0986	226657	126236	5569	908902	LOWLOW	10091009
JU17NE20	6.126.0706	0.430.3431	0.420.4971	211233	361190	334477	906900	LOWLOW	10101010
JU23PS46	7.094.9773	0.490.3768	0.290.5258	321104	462258	122535	905897	LOWLOW	10111011
JM29RD72	6.367.8768	0.420.4390	0.420.2833	240402	317380	340115	897897	LOWLOW	10121012
RD18JL57	5.7810.6701	0.370.3701	0.510.0755	170645	199242	5287	897894	LOWLOW	10131013
RU46RD38	6.466.5741	0.380.3882	0.450.4202	254285	244278	398331	896894	LOWLOW	10141014
PS46NE28	5.348.7941	0.370.3442	0.530.3497	116486	202193	567214	885893	LOWLOW	10151015
TC09PS17	4.935.8371	0.310.5124	0.630.3387	75195	84496	726200	885891	LOWLOW	10161016
NE13RA25	5.476.2575	0.330.4021	0.570.4205	129248	118310	636333	883891	LOWLOW	10171017
RU01NE13	5.205.3381	0.300.3149	0.630.5593	99145	60135	723606	882886	LOWLOW	10181018
TC02JM29	5.036.2696	0.260.4125	0.660.4104	84249	34324	764311	882884	LOWLOW	10191019

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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 #
PS17CM04	5.976.1947	0.520.4066	0.320.4159	192242	519314	169324	880880	LOWLOW	10201020
PS77TH18	6.387.8835	0.440.2727	0.380.4625	244404	37468	255407	873879	LOWLOW	10211021
RU13RA01	7.205.9139	0.380.4079	0.400.4309	331205	243317	299354	873876	LOWLOW	10221022
RA01TH20	6.316.3782	0.400.3139	0.430.5016	233263	285129	354484	872876	LOWLOW	10231023
JL58PL05	10.838.3237	0.370.4075	0.100.2848	657442	204316	9117	870875	LOWLOW	10241024
NE43NE16	6.265.2136	0.400.2765	0.430.5978	227130	29074	352669	869873	LOWLOW	10251025
NE19PU08	5.456.5599	0.360.4557	0.520.3312	127282	189402	551188	867872	LOWLOW	10261026
JM36RL04	6.426.5024	0.410.3221	0.400.4851	249276	311146	306450	866872	LOWLOW	10271027
JM07RU15	6.716.8513	0.410.4317	0.390.3344	279315	308363	278193	865871	LOWLOW	10281028
RD15BS10	5.684.1052	0.310.2823	0.560.6592	15527	8880	622763	865870	LOWLOW	10291029
JL57JR12	10.686.0167	0.370.4464	0.080.3756	646223	211390	7257	864870	LOWLOW	10301030
JR06NE19	5.725.3014	0.350.3415	0.510.5294	160141	166188	538541	864870	LOWLOW	10311031
RD38JU81	6.776.0158	0.390.4346	0.410.3885	283222	268368	310277	861867	LOWLOW	10321032
NE28TC09	8.964.9329	0.350.3015	0.340.5926	498100	159107	202660	859867	LOWLOW	10331033
NE35JU60	5.406.3052	0.350.4700	0.520.3257	125256	176430	557179	858865	LOWLOW	10341034
TH18NE17	7.685.6460	0.260.3262	0.470.5194	375180	37156	444526	856862	LOWLOW	10351035
TH43RL05	5.085.5158	0.320.2665	0.590.5773	87167	9361	675634	855862	LOWLOW	10361036
NE31RD62	7.896.7845	0.430.3873	0.280.3899	397304	359277	97280	853861	LOWLOW	10371037
RD01YA02	5.805.4253	0.370.2836	0.480.5674	174158	21781	458622	849861	LOWLOW	10381038
BS09NE47	4.536.4296	0.310.3768	0.630.4216	41268	81257	725335	847860	LOWLOW	10391039
PU08RU16	6.555.3888	0.460.2952	0.330.5589	263153	407102	174605	844860	LOWLOW	10401040
JU60TC01	6.255.8431	0.430.2952	0.390.5368	224197	342101	276561	842859	LOWLOW	10411041
NE87TC05	4.725.2077	0.250.3391	0.650.5318	55128	30180	757547	842855	LOWLOW	10421042
RD22JM36	6.366.0187	0.400.3922	0.410.4224	239224	280293	323336	842853	LOWLOW	10431043
JM71NE43	6.535.9048	0.430.3736	0.360.4594	261203	340245	221404	822852	LOWLOW	10441044

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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 #
RL05RD48	5.776.9455	0.300.4349	0.540.3114	167328	70370	584154	821852	LOWLOW	10451045
RD25JU23	6.126.4357	0.350.4563	0.480.3242	212270	153404	452174	817848	LOWLOW	10461046
TH25JM57	5.396.2351	0.390.4216	0.470.3751	124246	255345	430256	809847	LOWLOW	10471047
JA35NE31	6.997.4820	0.460.4347	0.270.2748	311374	404369	93104	808847	LOWLOW	10481048
NE16TC02	5.364.3605	0.310.2007	0.550.6768	11745	7612	614790	807847	LOWLOW	10491049
TH42BS12	4.654.2560	0.300.2933	0.610.6240	4535	6197	697707	803839	LOWLOW	10501050
JM37RU13	6.866.8284	0.470.3698	0.260.3943	297309	425241	80289	802839	LOWLOW	10511051
BS10JA35	4.276.8253	0.290.4612	0.630.2796	25308	56420	719108	800836	LOWLOW	10521052
TC01PS77	5.976.4161	0.310.3824	0.510.4045	191265	75270	534301	800836	LOWLOW	10531053
JR04RD50	5.647.2686	0.290.4583	0.540.2452	152354	57410	58672	795836	LOWLOW	10541054
RU16RU18	5.574.9581	0.330.2467	0.510.6117	144102	11041	537686	791829	LOWLOW	10551055
RD40CM10	7.557.3570	0.350.4172	0.380.2956	367363	152333	262132	781828	LOWLOW	10561056
JR11PU13	6.047.0289	0.420.3565	0.380.3857	197341	319211	263273	779825	LOWLOW	10571057
JR10NE65	6.595.2385	0.460.3281	0.280.5228	267132	409157	100530	776819	LOWLOW	10581058
NE17PL23	5.767.1730	0.350.2858	0.470.4517	166345	17284	436390	774819	LOWLOW	10591059
NE12NE12	5.965.8429	0.340.3251	0.470.4939	189196	150153	433465	772814	LOWLOW	10601060
RU18NE50	4.895.5713	0.240.3620	0.600.4645	70176	19225	682413	771814	LOWLOW	10611061
BS12JM08	4.436.5692	0.300.4530	0.590.2890	33283	71397	666123	770803	LOWLOW	10621062
PL47NE38	6.674.9248	0.420.3142	0.330.5413	27799	315132	178572	770803	LOWLOW	10631063
CM02TC12	6.375.6884	0.410.3963	0.360.4094	241187	299306	226308	766801	LOWLOW	10641064
YA02CM06	5.556.0534	0.320.3883	0.510.3963	138230	101279	523290	762799	LOWLOW	10651065
RD36CM02	6.586.2862	0.380.4044	0.370.3614	266253	246313	245232	757798	LOWLOW	10661066
BS31RD25	5.525.3456	0.380.2536	0.450.5579	137146	22651	389601	752798	LOWLOW	10671067
NE65TH01	5.365.4386	0.330.3625	0.500.4541	118160	128226	506392	752778	LOWLOW	10681068
RD13JL56	5.2610.4813	0.360.3187	0.490.0171	105631	181142	4662	752775	LOWLOW	10691069

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TC05TH33	5.165.0449	0.330.3094	0.510.5289	95444	125424	532540	752775	LOWLOW	10704070
JR09RD36	6.266.2881	0.450.3754	0.300.3819	225254	388253	137265	750772	LOWLOW	10714071
RD24JM37	6.906.5433	0.380.4546	0.350.2627	303279	241404	20694	750771	LOWLOW	10724072
JU42NE49	5.305.6629	0.340.3599	0.500.4365	110484	133219	504363	747766	LOWLOW	10734073
CU03JR04	6.934.8840	0.410.2239	0.290.5908	30789	31049	126657	743765	LOWLOW	10744074
TH01NE70	5.495.2597	0.360.3076	0.470.5083	133438	182446	427506	742760	LOWLOW	10754075
TC03RU42	4.755.7425	0.290.2744	0.560.5069	59488	5570	625501	739759	LOWLOW	10764076
TH06RD47	4.795.0253	0.300.3393	0.550.4939	63440	65484	611466	739757	LOWLOW	10774077
BS05RL09	5.496.7064	0.370.3170	0.450.4147	134296	212439	392321	738756	LOWLOW	10784078
NE49NE51	5.995.4570	0.370.3156	0.420.4869	194463	216437	326452	736752	LOWLOW	10794079
TH10RD13	5.364.5404	0.340.2582	0.490.5782	11959	14254	475635	736748	LOWLOW	10804080
JL56JU42	10.495.2449	0.320.3283	0.020.4876	632435	100458	2454	734747	LOWLOW	10814081
NE38NE04	5.054.3533	0.330.3047	0.510.5538	8543	122440	527594	734747	LOWLOW	10824082
NE50JR09	5.636.4240	0.360.4252	0.460.3173	150235	180348	401462	731745	LOWLOW	10834083
NE51JR10	5.636.3934	0.340.4240	0.470.2928	151264	143343	431428	725735	LOWLOW	10844084
RL09RL15	6.655.8734	0.330.2602	0.420.4981	275200	12055	327480	722735	LOWLOW	10854085
RU15PL08	6.748.4041	0.400.3062	0.310.3259	281428	291444	147480	719722	LOWLOW	10864086
NE70TH12	5.326.6346	0.320.3774	0.500.3173	113290	97259	500463	710742	LOWLOW	10874087
RL15JR07	6.065.0470	0.280.2444	0.480.5364	202445	5135	457560	710740	LOWLOW	10884088
RD06JU52	5.845.0156	0.330.3404	0.460.4674	179408	117484	402415	698707	LOWLOW	10894089
RD17RU55	5.266.3508	0.350.3299	0.470.3936	104259	164462	429284	697705	LOWLOW	10904090
TC21JR06	6.434.6858	0.400.2717	0.330.5364	25078	27466	173559	697703	LOWLOW	10914091
NE41RD22	6.005.5378	0.390.2895	0.370.4827	196470	24890	250443	694703	LOWLOW	10924092
JU79RD14	5.384.6023	0.440.2305	0.340.5612	12165	37325	193607	687697	LOWLOW	10934093
TH33NE83	4.985.7819	0.320.3179	0.510.4364	81494	92440	513362	686693	LOWLOW	10944094

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<u>RU42TH10</u>	<u>5.575.0323</u>	<u>0.260.3312</u>	<u>0.500.4626</u>	<u>143112</u>	<u>38165</u>	<u>503408</u>	<u>684685</u>	<u>LOWLOW</u>	<u>10951095</u>
<u>JR05RD06</u>	<u>5.385.6106</u>	<u>0.310.2913</u>	<u>0.490.4642</u>	<u>120177</u>	<u>7893</u>	<u>484411</u>	<u>682681</u>	<u>LOWLOW</u>	<u>10961096</u>
<u>TH26BS14</u>	<u>4.975.0042</u>	<u>0.320.3463</u>	<u>0.490.4425</u>	<u>80107</u>	<u>107197</u>	<u>488374</u>	<u>675678</u>	<u>LOWLOW</u>	<u>10971097</u>
<u>TC12PS80</u>	<u>5.625.7734</u>	<u>0.360.3341</u>	<u>0.420.4122</u>	<u>149190</u>	<u>185172</u>	<u>335314</u>	<u>669676</u>	<u>LOWLOW</u>	<u>10981098</u>
<u>PS80RD29</u>	<u>5.854.9150</u>	<u>0.340.2283</u>	<u>0.420.5353</u>	<u>18198</u>	<u>14023</u>	<u>346555</u>	<u>667676</u>	<u>LOWLOW</u>	<u>10991099</u>
<u>RD67TC06</u>	<u>6.825.8457</u>	<u>0.390.3166</u>	<u>0.280.4230</u>	<u>291198</u>	<u>263138</u>	<u>107339</u>	<u>661675</u>	<u>LOWLOW</u>	<u>11001100</u>
<u>NE27TH14</u>	<u>5.717.9019</u>	<u>0.390.2934</u>	<u>0.370.3230</u>	<u>158405</u>	<u>25898</u>	<u>238170</u>	<u>654673</u>	<u>LOWLOW</u>	<u>11011101</u>
<u>PL01RU24</u>	<u>5.945.6130</u>	<u>0.350.3182</u>	<u>0.400.4295</u>	<u>184178</u>	<u>167141</u>	<u>300348</u>	<u>651667</u>	<u>LOWLOW</u>	<u>11021102</u>
<u>RD26TH26</u>	<u>6.114.7734</u>	<u>0.350.3229</u>	<u>0.390.4751</u>	<u>20881</u>	<u>157149</u>	<u>286430</u>	<u>651660</u>	<u>LOWLOW</u>	<u>11031103</u>
<u>TH14JU67</u>	<u>7.986.5266</u>	<u>0.290.4271</u>	<u>0.340.1430</u>	<u>406278</u>	<u>53355</u>	<u>18915</u>	<u>648648</u>	<u>LOWLOW</u>	<u>11041104</u>
<u>NE01TC03</u>	<u>4.654.4979</u>	<u>0.330.2518</u>	<u>0.490.5300</u>	<u>4655</u>	<u>11948</u>	<u>481544</u>	<u>646647</u>	<u>LOWLOW</u>	<u>11051105</u>
<u>TH12RD34</u>	<u>6.655.9647</u>	<u>0.380.3232</u>	<u>0.300.3903</u>	<u>274211</u>	<u>240150</u>	<u>131281</u>	<u>645642</u>	<u>LOWLOW</u>	<u>11061106</u>
<u>RA14PL47</u>	<u>5.816.8335</u>	<u>0.400.2878</u>	<u>0.330.3693</u>	<u>175310</u>	<u>29388</u>	<u>175243</u>	<u>643641</u>	<u>LOWLOW</u>	<u>11071107</u>
<u>NE83TH13</u>	<u>5.947.5601</u>	<u>0.350.2642</u>	<u>0.400.3429</u>	<u>185378</u>	<u>16057</u>	<u>296206</u>	<u>641641</u>	<u>LOWLOW</u>	<u>11081108</u>
<u>TC06RD66</u>	<u>5.956.2850</u>	<u>0.310.3931</u>	<u>0.430.2586</u>	<u>188252</u>	<u>89295</u>	<u>36285</u>	<u>639632</u>	<u>LOWLOW</u>	<u>11091109</u>
<u>PL05BS31</u>	<u>7.644.9035</u>	<u>0.330.3408</u>	<u>0.320.4265</u>	<u>37094</u>	<u>111186</u>	<u>157345</u>	<u>638625</u>	<u>LOWLOW</u>	<u>11101110</u>
<u>RA02NE14</u>	<u>5.654.8756</u>	<u>0.340.2866</u>	<u>0.430.4817</u>	<u>15388</u>	<u>13487</u>	<u>351440</u>	<u>638615</u>	<u>LOWLOW</u>	<u>11111111</u>
<u>JU52RD26</u>	<u>5.075.2093</u>	<u>0.340.2489</u>	<u>0.460.4809</u>	<u>86129</u>	<u>14443</u>	<u>405436</u>	<u>635608</u>	<u>LOWLOW</u>	<u>11121112</u>
<u>PL08NE29</u>	<u>7.955.5221</u>	<u>0.300.3476</u>	<u>0.320.3637</u>	<u>405169</u>	<u>68198</u>	<u>159236</u>	<u>632603</u>	<u>LOWLOW</u>	<u>11131113</u>
<u>NE74RD08</u>	<u>4.935.3666</u>	<u>0.320.3000</u>	<u>0.480.4279</u>	<u>76151</u>	<u>94105</u>	<u>456346</u>	<u>626602</u>	<u>LOWLOW</u>	<u>11141114</u>
<u>BS14RL23</u>	<u>5.326.1377</u>	<u>0.360.3501</u>	<u>0.410.3162</u>	<u>114238</u>	<u>194202</u>	<u>314160</u>	<u>622600</u>	<u>LOWLOW</u>	<u>11151115</u>
<u>CM07JM07</u>	<u>6.205.4668</u>	<u>0.430.3775</u>	<u>0.230.3243</u>	<u>220164</u>	<u>338260</u>	<u>53175</u>	<u>611599</u>	<u>LOWLOW</u>	<u>11161116</u>
<u>NE29NE26</u>	<u>5.985.6825</u>	<u>0.350.3560</u>	<u>0.370.3388</u>	<u>193186</u>	<u>177210</u>	<u>240201</u>	<u>610597</u>	<u>LOWLOW</u>	<u>11171117</u>
<u>RD08RD24</u>	<u>5.516.1256</u>	<u>0.340.2841</u>	<u>0.420.3882</u>	<u>135236</u>	<u>13182</u>	<u>343276</u>	<u>609594</u>	<u>LOWLOW</u>	<u>11181118</u>
<u>RD29CU13</u>	<u>5.586.0050</u>	<u>0.320.3790</u>	<u>0.430.2795</u>	<u>146219</u>	<u>102263</u>	<u>356107</u>	<u>604589</u>	<u>LOWLOW</u>	<u>11191119</u>

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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 #
RD14NE30	5.295.8733	0.340.3742	0.430.2995	109199	137250	357139	603588	LOWLOW	11201120
JU18NE71	6.294.6395	0.390.2257	0.290.5035	23272	25122	119492	602586	LOWLOW	11211121
RD34NE68	6.106.0352	0.340.3355	0.370.3267	207227	148174	239181	594582	LOWLOW	11221122
RD72JU79	6.235.2561	0.400.4589	0.260.1749	222137	281413	8628	589578	LOWLOW	11231123
RL23RD10	6.244.6555	0.380.2813	0.300.4732	22374	23279	133424	588577	LOWLOW	11241124
RD76JR11	4.954.6225	0.310.3414	0.460.4107	7868	85187	418312	581567	LOWLOW	11251125
NE30JU45	6.075.2484	0.390.3605	0.290.3449	203136	250222	123208	576566	LOWLOW	11261126
NE26JU51	5.954.2516	0.360.2862	0.340.4832	18734	19385	190444	570563	LOWLOW	11271127
TH13JU18	7.265.9139	0.250.3629	0.340.2948	333204	29227	195130	557561	LOWLOW	11281128
TH07PS18	7.296.1597	0.250.3886	0.340.2047	340240	24280	18641	550561	LOWLOW	11291129
NE68TH07	6.187.1800	0.360.2335	0.310.3299	219347	18627	143184	548558	LOWLOW	11301130
NE20NE74	6.054.6206	0.340.2744	0.350.4706	19967	13271	216418	547556	LOWLOW	11311131
RU24NE05	5.565.0335	0.320.2656	0.410.4444	142113	9559	308380	545552	LOWLOW	11321132
TC04TH25	4.094.9130	0.280.3380	0.490.3855	1797	48178	480272	545547	LOWLOW	11331133
NE14RD20	4.904.6657	0.300.2957	0.460.4381	7276	64103	404364	540543	LOWLOW	11341134
NE23NE23	5.615.4009	0.350.3370	0.350.3492	148154	168175	204211	520540	LOWLOW	11351135
RD10TC04	4.723.7800	0.300.2786	0.440.4821	5418	7476	384441	512535	LOWLOW	11361136
RD20NE52	4.944.7883	0.330.2912	0.410.4339	7783	12392	311357	511532	LOWLOW	11371137
NE44JU54	5.774.1416	0.400.2571	0.240.4849	16830	27753	64447	509530	LOWLOW	11381138
RD28NE27	5.475.3257	0.380.3575	0.310.3233	130143	231212	144171	505526	LOWLOW	11391139
RU55NE44	5.745.3565	0.300.3891	0.390.2538	162150	59284	27980	500514	LOWLOW	11401140
PS71RA24	5.694.8866	0.400.3578	0.240.3415	15790	276215	65204	498509	LOWLOW	11411141
NE76TH08	7.425.1372	0.280.3295	0.270.3572	354121	46161	95227	495509	LOWLOW	11421142
NE71NE41	4.705.3009	0.240.3188	0.460.3527	52140	18143	422220	492503	LOWLOW	11431143
JU51NE76	4.277.0164	0.290.2848	0.460.2479	24338	5283	41476	490497	LOWLOW	11441144

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RD27TH21	5.775.1586	0.370.2715	0.290.4102	169123	20965	111309	489497	LOWLOW	11451145
NE05NE63	5.094.1346	0.280.2455	0.430.4747	8929	4738	350429	486496	LOWLOW	11461146
RD07TH34	5.554.3546	0.340.3255	0.340.3999	13944	146154	196294	481492	LOWLOW	11471147
TC07TH17	4.733.4013	0.290.2084	0.440.4930	5611	5414	370464	480489	LOWLOW	11481148
TH17TH31	3.404.6443	0.210.3054	0.480.4014	973	12113	450297	471483	LOWLOW	11491149
JU45RU48	5.225.0729	0.350.3235	0.340.3494	102117	174151	194213	470481	LOWLOW	11501150
CU13CU03	5.825.5585	0.370.3335	0.270.2976	177173	200170	92136	469479	LOWLOW	11511151
TH31TH06	4.854.4238	0.310.2617	0.410.4422	6851	8356	316372	467479	LOWLOW	11521152
RU44JA43	4.685.6190	0.250.3753	0.450.2030	49179	22252	39338	464469	LOWLOW	11531153
NE52RA10	4.955.0264	0.310.3405	0.400.3235	79111	90185	291172	460468	LOWLOW	11541154
RA03TC07	4.884.4851	0.300.2863	0.410.4181	6954	7386	318328	460468	LOWLOW	11551155
TH08TC21	5.285.7883	0.350.3327	0.340.2784	106192	154169	199106	459467	LOWLOW	11561156
TH34NE39	4.464.3483	0.350.2732	0.390.4307	3841	15169	269352	458462	LOWLOW	11571157
NE63RU44	4.234.6589	0.270.2458	0.450.4243	2375	4440	390340	457455	LOWLOW	11581158
TH21RD31	5.154.9028	0.270.3224	0.410.3404	9493	42147	319202	455442	LOWLOW	11591159
RD48NE48	5.584.5808	0.340.2930	0.320.3911	14563	13896	165282	448441	LOWLOW	11601160
RD31NE64	5.214.8419	0.330.3100	0.350.3535	10087	130124	205222	435433	LOWLOW	11611161
RU48RU45	5.284.6191	0.330.2687	0.340.3989	10766	11262	198293	417421	LOWLOW	11621162
RA10PS71	5.185.7997	0.340.3070	0.320.2824	98193	149115	160111	407419	LOWLOW	11631163
RD30RA14	5.094.8370	0.320.3212	0.350.3301	8886	99145	212185	399416	LOWLOW	11641164
NE48RU53	4.845.1607	0.300.1886	0.380.3822	67124	729	256267	395400	LOWLOW	11651165
RU27RU47	3.545.0719	0.200.3140	0.440.3040	10116	9131	374145	393392	LOWLOW	11661166
JA43RD30	5.684.5373	0.370.2338	0.200.4051	15658	20528	31303	392389	LOWLOW	11671167
RU47RL17	5.334.8949	0.330.2391	0.320.3779	11591	11533	153260	383384	LOWLOW	11681168
RA11RD07	4.454.9757	0.320.3027	0.370.3218	34103	98109	249168	381380	LOWLOW	11691169

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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 #
NE39NE77	4.494.9497	0.300.3290	0.390.2611	39101	63159	27789	379349	LOWLOW	11701170
RU45RD27	4.674.9059	0.270.2664	0.400.3329	4796	4160	288191	376347	LOWLOW	11711171
JU54RA11	3.913.5729	0.250.2547	0.420.3812	1314	2852	333264	374330	LOWLOW	11721172
RA09TH24	4.464.5595	0.330.2760	0.340.3344	3761	11473	201194	352328	LOWLOW	11731173
RU53RD28	5.144.5116	0.190.2527	0.380.3513	9156	849	253217	352322	LOWLOW	11741174
NE64TH04	4.904.2815	0.310.2475	0.340.3666	7139	8042	200239	351320	LOWLOW	11751175
RD50RU02	5.594.5438	0.340.3050	0.240.3053	14760	141112	63147	351319	LOWLOW	11761176
JM01TH28	5.184.4176	0.350.3079	0.270.3114	9649	161117	91153	348319	LOWLOW	11771177
NE77RU38	5.144.9038	0.350.3226	0.250.2291	9295	170148	6857	330300	LOWLOW	11781178
TH03NE79	4.803.9571	0.320.2418	0.320.3686	6420	10436	155241	323297	LOWLOW	11791179
NE72RA03	5.153.7226	0.360.2380	0.220.3693	9316	17931	42244	314291	LOWLOW	11801180
TH28RA09	4.673.4955	0.310.2502	0.330.3531	4812	7945	181221	308278	LOWLOW	11811181
RL17RD39	4.765.3553	0.250.2346	0.350.2689	60149	2729	21898	305276	LOWLOW	11821182
RU38TH03	5.184.5131	0.340.3090	0.240.2695	9757	136119	6199	294275	LOWLOW	11831183
RA12CM07	4.734.4674	0.330.3258	0.290.2362	5852	116155	11865	292272	LOWLOW	11841184
TH04NE86	4.554.3066	0.250.2380	0.350.3372	4240	3230	210198	284268	LOWLOW	11851185
RU02TH02	4.364.6298	0.310.3092	0.320.2476	2970	77120	17074	276264	LOWLOW	11861186
NE88NE72	4.154.7800	0.280.3132	0.350.2150	1882	49128	20849	275259	LOWLOW	11871187
NE79RD42	4.044.7386	0.240.2904	0.360.2492	1579	2191	22978	265248	LOWLOW	11881188
TH24RU43	4.614.3761	0.280.2396	0.330.3207	4446	5034	171167	265247	LOWLOW	11891189
JM02RU27	4.703.1110	0.300.1913	0.290.3557	518	5810	124225	233243	LOWLOW	11901190
NE78NE81	4.823.6626	0.320.2514	0.240.3254	6615	10547	59177	230239	LOWLOW	11911191
RU51NE88	4.163.8296	0.220.2428	0.340.3295	1919	1337	192183	224239	LOWLOW	11921192
NE86NE73	4.393.9871	0.250.2247	0.320.3345	3221	2521	162195	219237	LOWLOW	11931193
RU52RU51	2.204.0641	0.130.2134	0.350.3370	322	315	209197	215234	LOWLOW	11941194

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RU40 RU40	2.502 .5615	0.170 .1696	0.340 .3518	56	67	1972 19	2082 32	LOW LOW	1195 195
RA13 RA02	3.944 .1064	0.250 .2509	0.320 .3118	1428	2646	1671 55	2072 29	LOW LOW	1196 196
RU43 RU19	4.333 .5091	0.230 .1849	0.320 .3420	2713	178	1612 05	2052 26	LOW LOW	1197 197
TH02 RD33	4.724 .0683	0.310 .2390	0.240 .3152	5323	8232	6615 7	2012 12	LOW LOW	1198 198
NE81 NE78	3.804 .5917	0.260 .2941	0.310 .2148	1264	3999	1494 8	2002 11	LOW LOW	1199 199
RD39 RA13	5.303 .3377	0.260 .2043	0.230 .3306	1119	3613	4818 6	1952 08	LOW LOW	1200 200
RU19 TH16	3.254 .1782	0.180 .2171	0.330 .3161	732	716	1761 58	1902 06	LOW LOW	1201 201
RU50 JM01	4.794 .0976	0.300 .3103	0.230 .1941	6226	6612 6	4736	1751 88	LOW LOW	1202 202
NE73 RU54	4.074 .0758	0.250 .2243	0.300 .3013	1624	2320	1341 42	1731 86	LOW LOW	1203 203
TH16 RU50	4.204 .4176	0.220 .2793	0.300 .2151	2048	1477	1355 0	1691 75	LOW LOW	1204 204
RU54 NE67	4.214 .2675	0.210 .2458	0.300 .2654	2237	1139	1309 7	1631 73	LOW LOW	1205 205
RD66 NE66	4.524 .3510	0.270 .2498	0.260 .2573	4042	4544	7784	1621 70	LOW LOW	1206 206
RD33 NE80	4.214 .1633	0.260 .2923	0.280 .2068	2131	3394	1014 2	1551 67	LOW LOW	1207 207
NE66 JM02	4.454 .0844	0.260 .2783	0.250 .2293	3525	4075	7158	1461 58	LOW LOW	1208 208
NE67 RU17	4.352 .3390	0.260 .1461	0.250 .3000	285	355	7214 0	1351 50	LOW LOW	1209 209
RU39 RU39	3.283 .3393	0.200 .1980	0.290 .2818	810	1011	1131 10	1311 31	LOW LOW	1210 210
RU17 RU41	2.332 .6030	0.140 .1595	0.290 .2650	47	46	1219 6	1291 09	LOW LOW	1211 211
NE80 RU52	4.332 .1706	0.300 .1344	0.200 .2608	264	674	3388	1269 6	LOW LOW	1212 212
RU41 RA12	2.523 .7499	0.150 .2530	0.260 .1395	617	550	8314	9481	LOW LOW	1213 213
RD42 RU49	3.562 .0363	0.240 .1223	0.230 .2311	113	203	4959	8065	LOW LOW	1214 214
RU49 BS05	2.001 .7180	0.120 .0878	0.230 .1856	22	22	5532	5936	LOW LOW	1215 215
AO01 AO01	0.000 .0000	0.000 .0000	0.000 .0000	11	11	11	33	LOW LOW	1216 216
AO03 AO03	0.000 .0000	0.000 .0000	0.000 .0000	11	11	11	33	LOW LOW	1217 217
AO05 AO05	0.000 .0000	0.000 .0000	0.000 .0000	11	11	11	33	LOW LOW	1218 218
AO12 AO12	0.000 .0000	0.000 .0000	0.000 .0000	11	11	11	33	LOW LOW	1219 219

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<u>AO16AO16</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>1+</u>	<u>1+</u>	<u>1+</u>	<u>33</u>	<u>LOWLOW</u>	<u>1220+1220</u>
<u>AO19AO19</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>1+</u>	<u>1+</u>	<u>1+</u>	<u>33</u>	<u>LOWLOW</u>	<u>1221+1221</u>
<u>AO20AO20</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>1+</u>	<u>1+</u>	<u>1+</u>	<u>33</u>	<u>LOWLOW</u>	<u>1222+1222</u>
<u>AO22AO22</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>1+</u>	<u>1+</u>	<u>1+</u>	<u>33</u>	<u>LOWLOW</u>	<u>1223+1223</u>
<u>AO25AO25</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>1+</u>	<u>1+</u>	<u>1+</u>	<u>33</u>	<u>LOWLOW</u>	<u>1224+1224</u>
<u>CB27CB27</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>1+</u>	<u>1+</u>	<u>1+</u>	<u>33</u>	<u>LOWLOW</u>	<u>1225+1225</u>
<u>CB28CB28</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>1+</u>	<u>1+</u>	<u>1+</u>	<u>33</u>	<u>LOWLOW</u>	<u>1226+1226</u>
<u>CB34CB34</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>1+</u>	<u>1+</u>	<u>1+</u>	<u>33</u>	<u>LOWLOW</u>	<u>1227+1227</u>
<u>CB37CB37</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>1+</u>	<u>1+</u>	<u>1+</u>	<u>33</u>	<u>LOWLOW</u>	<u>1228+1228</u>
<u>JL50JL50</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>1+</u>	<u>1+</u>	<u>1+</u>	<u>33</u>	<u>LOWLOW</u>	<u>1229+1229</u>
<u>JU16JU16</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>1+</u>	<u>1+</u>	<u>1+</u>	<u>33</u>	<u>LOWLOW</u>	<u>1230+1230</u>
<u>NE89NE89</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>1+</u>	<u>1+</u>	<u>1+</u>	<u>33</u>	<u>LOWLOW</u>	<u>1231+1231</u>
<u>NE90NE90</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>1+</u>	<u>1+</u>	<u>1+</u>	<u>33</u>	<u>LOWLOW</u>	<u>1232+1232</u>
<u>PL27PL27</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>1+</u>	<u>1+</u>	<u>1+</u>	<u>33</u>	<u>LOWLOW</u>	<u>1233+1233</u>
<u>PL28PL28</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>1+</u>	<u>1+</u>	<u>1+</u>	<u>33</u>	<u>LOWLOW</u>	<u>1234+1234</u>
<u>PU21PU21</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>1+</u>	<u>1+</u>	<u>1+</u>	<u>33</u>	<u>LOWLOW</u>	<u>1235+1235</u>
<u>TH05TH05</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>1+</u>	<u>1+</u>	<u>1+</u>	<u>33</u>	<u>LOWLOW</u>	<u>1236+1236</u>
<u>TH46TH46</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>1+</u>	<u>1+</u>	<u>1+</u>	<u>33</u>	<u>LOWLOW</u>	<u>1237+1237</u>
<u>TP01TP01</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>1+</u>	<u>1+</u>	<u>1+</u>	<u>33</u>	<u>LOWLOW</u>	<u>1238+1238</u>
<u>TP03TP03</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>1+</u>	<u>1+</u>	<u>1+</u>	<u>33</u>	<u>LOWLOW</u>	<u>1239+1239</u>
<u>TP19TP19</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>0.000.0000</u>	<u>1+</u>	<u>1+</u>	<u>1+</u>	<u>33</u>	<u>LOWLOW</u>	<u>1240+1240</u>

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)
<u>CBCB</u>	<u>14</u>	<u>TIDEWATER</u> <u>TIDEWATER</u>	<u>HIGH</u> <u>HIGH</u>	<u>3105.534887.500407</u>	<u>0.00380.005870222</u>
<u>CBCB</u>	<u>14</u>	<u>TIDEWATER</u> <u>TIDEWATER</u>	<u>MED</u> <u>MED</u>	<u>27957.7328995.3885</u>	<u>0.03330.035055269</u>
<u>CBCB</u>	<u>14</u>	<u>TIDEWATER</u> <u>TIDEWATER</u>	<u>LOW</u> <u>LOW</u>	<u>5773.162953.52736</u>	<u>0.00690.003588317</u>
<u>CBCB</u>	<u>22</u>	<u>THOMAS JEFFERSON</u> <u>THOMAS JEFFERSON</u>	<u>HIGH</u> <u>HIGH</u>	<u>15372.617127.917333</u>	<u>0.01890.008561115</u>
<u>CBCB</u>	<u>22</u>	<u>THOMAS JEFFERSON</u> <u>THOMAS JEFFERSON</u>	<u>MED</u> <u>MED</u>	<u>56150.5346984.33914</u>	<u>0.06700.056803814</u>
<u>CBCB</u>	<u>22</u>	<u>THOMAS JEFFERSON</u> <u>THOMAS JEFFERSON</u>	<u>LOW</u> <u>LOW</u>	<u>129928.20147393.4072</u>	<u>0.15620.179072075</u>
<u>CBCB</u>	<u>33</u>	<u>SOUTHSIDE</u> <u>SOUTHSIDE</u>	<u>HIGH</u> <u>HIGH</u>	<u>0.000</u>	<u>0.00000</u>
<u>CBCB</u>	<u>33</u>	<u>SOUTHSIDE</u> <u>SOUTHSIDE</u>	<u>MED</u> <u>MED</u>	<u>0.000</u>	<u>0.00000</u>
<u>CBCB</u>	<u>33</u>	<u>SOUTHSIDE</u> <u>SOUTHSIDE</u>	<u>LOW</u> <u>LOW</u>	<u>59.2459.2441269</u>	<u>0.00017.19772E-05</u>
<u>CBCB</u>	<u>44</u>	<u>NATURAL BRIDGE</u> <u>NATURAL BRIDGE</u>	<u>HIGH</u> <u>HIGH</u>	<u>484.83484.8315415</u>	<u>0.00060.000582316</u>
<u>CBCB</u>	<u>44</u>	<u>NATURAL BRIDGE</u> <u>NATURAL BRIDGE</u>	<u>MED</u> <u>MED</u>	<u>14328.4711375.03248</u>	<u>0.01710.013752353</u>
<u>CBCB</u>	<u>44</u>	<u>NATURAL BRIDGE</u> <u>NATURAL BRIDGE</u>	<u>LOW</u> <u>LOW</u>	<u>66509.9269520.19377</u>	<u>0.08000.084461887</u>
<u>CBCB</u>	<u>55</u>	<u>PIEDMONT</u> <u>PIEDMONT</u>	<u>HIGH</u> <u>HIGH</u>	<u>3110.487269.355424</u>	<u>0.00380.008730992</u>
<u>CBCB</u>	<u>55</u>	<u>PIEDMONT</u> <u>PIEDMONT</u>	<u>MED</u> <u>MED</u>	<u>47173.9047203.49882</u>	<u>0.05630.057068777</u>
<u>CBCB</u>	<u>55</u>	<u>PIEDMONT</u> <u>PIEDMONT</u>	<u>LOW</u> <u>LOW</u>	<u>42913.4938975.51323</u>	<u>0.05160.047352362</u>
<u>CBCB</u>	<u>66</u>	<u>BLUE RIDGE</u> <u>BLUE RIDGE</u>	<u>HIGH</u> <u>HIGH</u>	<u>0.000</u>	<u>0.00000</u>
<u>CBCB</u>	<u>66</u>	<u>BLUE RIDGE</u> <u>BLUE RIDGE</u>	<u>MED</u> <u>MED</u>	<u>0.000</u>	<u>0.00000</u>
<u>CBCB</u>	<u>66</u>	<u>BLUE RIDGE</u> <u>BLUE RIDGE</u>	<u>LOW</u> <u>LOW</u>	<u>3195.453202.866795</u>	<u>0.00380.003891246</u>
<u>CBCB</u>	<u>77</u>	<u>CULPEPER</u> <u>CULPEPER</u>	<u>HIGH</u> <u>HIGH</u>	<u>85332.3485333.42485</u>	<u>0.10510.102491266</u>
<u>CBCB</u>	<u>77</u>	<u>CULPEPER</u> <u>CULPEPER</u>	<u>MED</u> <u>MED</u>	<u>68968.4682575.72283</u>	<u>0.08230.099833606</u>
<u>CBCB</u>	<u>77</u>	<u>CULPEPER</u> <u>CULPEPER</u>	<u>LOW</u> <u>LOW</u>	<u>108867.9695208.80451</u>	<u>0.13090.115671647</u>

CBCB	88	NORTHERN NECKNORTHERN NECK	HIGHHIGH	78937.2471099.79046	0.09720.0853957
CBCB	88	NORTHERN NECKNORTHERN NECK	MEDMED	16628.9135455.53411	0.01980.042865551
CBCB	88	NORTHERN NECKNORTHERN NECK	LOWLOW	10989.190	0.01320
CBCB	99	SHENANDOAH VALLEYSHENANDOAH VALLEY	HIGHHIGH	151448.38441140.4741	0.18650.169519341
CBCB	99	SHENANDOAH VALLEYSHENANDOAH VALLEY	MEDMED	53156.7763642.27635	0.06340.076943171
CBCB	99	SHENANDOAH VALLEYSHENANDOAH VALLEY	LOWLOW	1325.291325.292216	0.00160.001610132
CBCB	1040	ROBERT E. LEEROBERT E. LEE	HIGHHIGH	1114.541114.535414	0.00140.001338633
CBCB	1040	ROBERT E. LEEROBERT E. LEE	MEDMED	14126.1944126.19284	0.01690.017078491
CBCB	1040	ROBERT E. LEEROBERT E. LEE	LOWLOW	58575.9158575.90997	0.07040.071165393
CBCB	1242	JAMES RIVERJAMES RIVER	HIGHHIGH	9094.958349.322225	0.01120.010028106
CBCB	1242	JAMES RIVERJAMES RIVER	MEDMED	4901.535784.618802	0.00580.006993573
CBCB	1242	JAMES RIVERJAMES RIVER	LOWLOW	3585.683447.4099	0.00430.004188348
CBCB	1343	LORD FAIRFAXLORD FAIRFAX	HIGHHIGH	85616.1070161.11057	0.10540.084268281
CBCB	1343	LORD FAIRFAXLORD FAIRFAX	MEDMED	71237.7185749.41249	0.08500.10367058
CBCB	1343	LORD FAIRFAXLORD FAIRFAX	LOWLOW	78599.0479542.32744	0.09450.096638037
CBCB	1414	SKYLINESKYLINE	HIGHHIGH	0.000	0.00000
CBCB	1414	SKYLINESKYLINE	MEDMED	0.000	0.00000
CBCB	1414	SKYLINESKYLINE	LOWLOW	165.18165.175844	0.00020.000200676
CBCB	1545	PEANUTPEANUT	HIGHHIGH	44189.6744185.12398	0.05440.053069349
CBCB	1545	PEANUTPEANUT	MEDMED	11380.0811384.62066	0.01360.013763945
CBCB	1545	PEANUTPEANUT	LOWLOW	0.000	0.00000
CBCB	1646	MOUNTAINMOUNTAIN	HIGHHIGH	4633.301295.888387	0.00570.00155645
CBCB	1646	MOUNTAINMOUNTAIN	MEDMED	53025.1720471.95086	0.06330.024750479
CBCB	1646	MOUNTAINMOUNTAIN	LOWLOW	27900.7363791.36539	0.03350.077501785
CBCB	1747	TRI-COUNTY/CITYTRI-COUNTY/CITY	HIGHHIGH	22565.4223937.66828	0.02780.028750773
CBCB	1747	TRI-COUNTY/CITYTRI-COUNTY/CITY	MEDMED	26674.0728550.05699	0.03180.034516866
CBCB	1747	TRI-COUNTY/CITYTRI-COUNTY/CITY	LOWLOW	5834.652578.416518	0.00700.003132585
CBCB	1848	COLONIALCOLONIAL	HIGHHIGH	27482.5531860.55164	0.03380.038266697
CBCB	1848	COLONIALCOLONIAL	MEDMED	6669.202291.081763	0.00800.002769906
CBCB	1848	COLONIALCOLONIAL	LOWLOW	1641.631641.633487	0.00200.001994463
CBCB	2020	EASTERN SHOREEASTERN SHORE	HIGHHIGH	0.000	0.00000
CBCB	2020	EASTERN SHOREEASTERN SHORE	MEDMED	63149.8563149.85176	0.07530.076347832
CBCB	2020	EASTERN SHOREEASTERN SHORE	LOWLOW	0.000	0.00000

CBCB	2121	NORTHERN VIRGINIA	NORTHERN VIRGINIA	HIGH	HIGH	48.0648.05920122	0.00015.77224E-05
CBCB	2121	NORTHERN VIRGINIA	NORTHERN VIRGINIA	MED	MED	1128.761179.969752	0.00130.001426577
CBCB	2121	NORTHERN VIRGINIA	NORTHERN VIRGINIA	LOW	LOW	2255.452204.235973	0.00270.002677983
CBCB	2222	VIRGINIA DARE	VIRGINIA DARE	HIGH	HIGH	506.050	0.00060
CBCB	2222	VIRGINIA DARE	VIRGINIA DARE	MED	MED	4008.834514.884815	0.00480.005458472
CBCB	2222	VIRGINIA DARE	VIRGINIA DARE	LOW	LOW	0.000.002554824	0.00003.10392E-09
CBCB	3030	HANOVER-CAROLINE	HANOVER-CAROLINE	HIGH	HIGH	33337.1479252.26923	0.04110.095187383
CBCB	3030	HANOVER-CAROLINE	HANOVER-CAROLINE	MED	MED	57090.0412363.3455	0.06810.014947218
CBCB	3030	HANOVER-CAROLINE	HANOVER-CAROLINE	LOW	LOW	2188.01990.3269752	0.00260.001203174
CBCB	3232	JOHN MARSHALL	JOHN MARSHALL	HIGH	HIGH	35796.5219665.95158	0.04410.02362015
CBCB	3232	JOHN MARSHALL	JOHN MARSHALL	MED	MED	45916.9571228.12429	0.05480.086114421
CBCB	3232	JOHN MARSHALL	JOHN MARSHALL	LOW	LOW	59377.1950224.69917	0.07140.06101929
CBCB	3434	PEAKS OF OTTER	PEAKS OF OTTER	HIGH	HIGH	0.000	0.00000
CBCB	3434	PEAKS OF OTTER	PEAKS OF OTTER	MED	MED	0.000	0.00000
CBCB	3434	PEAKS OF OTTER	PEAKS OF OTTER	LOW	LOW	6888.566945.207093	0.00830.008437912
CBCB	3535	PRINCE WILLIAM	PRINCE WILLIAM	HIGH	HIGH	6936.986940.877009	0.00850.008336467
CBCB	3535	PRINCE WILLIAM	PRINCE WILLIAM	MED	MED	11217.4014822.35392	0.01340.017920146
CBCB	3535	PRINCE WILLIAM	PRINCE WILLIAM	LOW	LOW	3912.42330.9806667	0.00470.000402117
CBCB	3636	LOUDOUN	LOUDOUN	HIGH	HIGH	3718.523718.615613	0.00460.004466311
CBCB	3636	LOUDOUN	LOUDOUN	MED	MED	9512.2430306.23712	0.01130.036640078
CBCB	3636	LOUDOUN	LOUDOUN	LOW	LOW	90912.3670128.24576	0.10930.085200625
CBCB	3838	MONACAN	MONACAN	HIGH	HIGH	9234.1411376.49468	0.01140.013663946
CBCB	3838	MONACAN	MONACAN	MED	MED	31699.0633314.7763	0.03780.040277386
CBCB	3838	MONACAN	MONACAN	LOW	LOW	11628.017869.867931	0.01400.009561307
CBCB	3939	PETER FRANCISCO	PETER FRANCISCO	HIGH	HIGH	6977.411737.232452	0.00860.002086535
CBCB	3939	PETER FRANCISCO	PETER FRANCISCO	MED	MED	33751.2232315.2573	0.04030.039068973
CBCB	3939	PETER FRANCISCO	PETER FRANCISCO	LOW	LOW	35227.7341970.5606	0.04230.050991123
CBCB	4040	HENRICOPOLIS	HENRICOPOLIS	HIGH	HIGH	8799.239187.209261	0.01080.011034465
CBCB	4040	HENRICOPOLIS	HENRICOPOLIS	MED	MED	1804.951416.786028	0.00220.001712887
CBCB	4040	HENRICOPOLIS	HENRICOPOLIS	LOW	LOW	362.56362.5589037	0.00040.000440482

CBCB	4141	HEADWATERSHEADWATERS	HIGHHIGH	106146.85106146.8486	0.13070.127489608
CBCB	4141	HEADWATERSHEADWATERS	MEDMED	67721.1463139.63876	0.08080.076335485
CBCB	4141	HEADWATERSHEADWATERS	LOWLOW	16135.5620776.37295	0.01940.025241755
CBCB	4242	APPOMATTOX RIVERAPPOMATTOX RIVER	HIGHHIGH	768.74768.7443223	0.00090.000923314
CBCB	4242	APPOMATTOX RIVERAPPOMATTOX RIVER	MEDMED	0.004332.950834	0.00000.005238514
CBCB	4242	APPOMATTOX RIVERAPPOMATTOX RIVER	LOWLOW	4683.53349.8932562	0.00560.000425094
CBCB	4343	THREE RIVERSTHREE RIVERS	HIGHHIGH	63013.4093325.09434	0.07760.112089807
CBCB	4343	THREE RIVERSTHREE RIVERS	MEDMED	36841.506673.790315	0.04390.008068577
CBCB	4343	THREE RIVERSTHREE RIVERS	LOWLOW	181.180	0.00020
CBCB	4545	MOUNTAIN CASTLESMOUNTAIN CASTLES	HIGHHIGH	4177.362177.270165	0.00510.00261505
CBCB	4545	MOUNTAIN CASTLESMOUNTAIN CASTLES	MEDMED	2103.143785.831985	0.00250.004577051
CBCB	4545	MOUNTAIN CASTLESMOUNTAIN CASTLES	LOWLOW	52244.9752561.39577	0.06280.063858203
OCBOCB	33	SOUTHSIDESOUTHSIDE	HIGHHIGH	1215.74112.7137361	0.00650.000663188
OCBOCB	33	SOUTHSIDESOUTHSIDE	MEDMED	37811.4836307.41155	0.06820.061162604
OCBOCB	33	SOUTHSIDESOUTHSIDE	LOWLOW	55128.1957670.07314	0.03780.040182884
OCBOCB	55	PIEDMONTPIEDMONT	HIGHHIGH	0.000	0.00000
OCBOCB	55	PIEDMONTPIEDMONT	MEDMED	1024.012708.947953	0.00180.004563429
OCBOCB	55	PIEDMONTPIEDMONT	LOWLOW	12426.5610899.76487	0.00850.007594649
OCBOCB	66	BLUE RIDGEBLUE RIDGE	HIGHHIGH	55.540	0.00030
OCBOCB	66	BLUE RIDGEBLUE RIDGE	MEDMED	30100.9828005.99304	0.05430.047178231
OCBOCB	66	BLUE RIDGEBLUE RIDGE	LOWLOW	97355.9299411.38664	0.06680.069267056
OCBOCB	1010	ROBERT E. LEEROBERT E. LEE	HIGHHIGH	0.000	0.00000
OCBOCB	1010	ROBERT E. LEEROBERT E. LEE	MEDMED	35005.8938280.03375	0.06310.064485637
OCBOCB	1010	ROBERT E. LEEROBERT E. LEE	LOWLOW	43055.0639550.13987	0.02950.027557424
OCBOCB	1111	NEW RIVERNEW RIVER	HIGHHIGH	0.000	0.00000
OCBOCB	1111	NEW RIVERNEW RIVER	MEDMED	2621.182621.184822	0.00470.004415586
OCBOCB	1111	NEW RIVERNEW RIVER	LOWLOW	146616.97146698.5189	0.10050.102215399
OCBOCB	1212	JAMES RIVERJAMES RIVER	HIGHHIGH	9643.969642.828369	0.05150.056736693
OCBOCB	1212	JAMES RIVERJAMES RIVER	MEDMED	1200.891200.894552	0.00220.002022998
OCBOCB	1212	JAMES RIVERJAMES RIVER	LOWLOW	295.86295.862069	0.00020.000206148
OCBOCB	1414	SKYLINESKYLINE	HIGHHIGH	456.33456.3285621	0.00240.002684956
OCBOCB	1414	SKYLINESKYLINE	MEDMED	5591.595591.585806	0.01010.009419453
OCBOCB	1414	SKYLINESKYLINE	LOWLOW	194724.76194732.173	0.13350.135683898

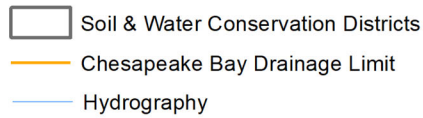
OCBOCB	1515	PEANUTPEANUT	HIGHHIGH	30509.2530499.70525	0.16300.17945486
OCBOCB	1515	PEANUTPEANUT	MEDMED	54046.4554078.46902	0.09750.091099306
OCBOCB	1515	PEANUTPEANUT	LOWLOW	0.000	0.00000
OCBOCB	1919	CHOWAN BASINCHOWAN-BASIN	HIGHHIGH	97289.3693355.44244	0.51970.549286878
OCBOCB	1919	CHOWAN BASINCHOWAN-BASIN	MEDMED	70392.6074314.33607	0.12700.125188168
OCBOCB	1919	CHOWAN BASINCHOWAN-BASIN	LOWLOW	3245.543245.530531	0.00220.002261394
OCBOCB	2020	EASTERN SHOREEASTERN-SHORE	HIGHHIGH	1413.091413.089252	0.00750.008314367
OCBOCB	2020	EASTERN SHOREEASTERN-SHORE	MEDMED	45668.4545668.45257	0.08240.076931992
OCBOCB	2020	EASTERN SHOREEASTERN-SHORE	LOWLOW	0.000	0.00000
OCBOCB	2222	VIRGINIA DAREVIRGINIA-DARE	HIGHHIGH	42.0542.04510977	0.00020.000247386
OCBOCB	2222	VIRGINIA DAREVIRGINIA-DARE	MEDMED	57212.5157212.50783	0.10320.096378833
OCBOCB	2222	VIRGINIA DAREVIRGINIA-DARE	LOWLOW	0.000	0.00000
OCBOCB	2323	HOLSTON RIVERHOLSTON-RIVER	HIGHHIGH	0.000	0.00000
OCBOCB	2323	HOLSTON RIVERHOLSTON-RIVER	MEDMED	2494.032466.851707	0.00450.0041556
OCBOCB	2323	HOLSTON RIVERHOLSTON-RIVER	LOWLOW	103674.04103523.3069	0.07110.072132127
OCBOCB	2424	DANIEL BOONEDANIEL-BOONE	HIGHHIGH	11680.8510681.73705	0.06240.062849448
OCBOCB	2424	DANIEL BOONEDANIEL-BOONE	MEDMED	45927.2853763.47527	0.08290.090568675
OCBOCB	2424	DANIEL BOONEDANIEL-BOONE	LOWLOW	6837.080	0.00470
OCBOCB	2525	CLINCH VALLEYCLINCH-VALLEY	HIGHHIGH	0.000	0.00000
OCBOCB	2525	CLINCH VALLEYCLINCH-VALLEY	MEDMED	0.000	0.00000
OCBOCB	2525	CLINCH VALLEYCLINCH-VALLEY	LOWLOW	87575.8987570.94866	0.06010.061016972
OCBOCB	2626	SCOTT COUNTYSCOTT-COUNTY	HIGHHIGH	102.77102.7728656	0.00050.000604697
OCBOCB	2626	SCOTT COUNTYSCOTT-COUNTY	MEDMED	23043.3929250.61563	0.04160.049274893
OCBOCB	2626	SCOTT COUNTYSCOTT-COUNTY	LOWLOW	41446.4535216.98969	0.02840.024538207
OCBOCB	2727	LONESOME PINELONESOME-PINE	HIGHHIGH	0.000	0.00000
OCBOCB	2727	LONESOME PINELONESOME-PINE	MEDMED	2990.72224.145551	0.00540.00037759
OCBOCB	2727	LONESOME PINELONESOME-PINE	LOWLOW	18045.9520812.52893	0.01240.014501584
OCBOCB	2828	EVERGREENEVERGREEN	HIGHHIGH	0.000	0.00000
OCBOCB	2828	EVERGREENEVERGREEN	MEDMED	0.000	0.00000
OCBOCB	2828	EVERGREENEVERGREEN	LOWLOW	65008.2764963.79496	0.04460.045264944
OCBOCB	2929	TAZEWELLTAZEWELL	HIGHHIGH	0.000	0.00000
OCBOCB	2929	TAZEWELLTAZEWELL	MEDMED	0.000	0.00000
OCBOCB	2929	TAZEWELLTAZEWELL	LOWLOW	64950.3864950.38467	0.04450.0452556
OCBOCB	3131	PITTSYLVANIAPIITTSYLVANIA	HIGHHIGH	14690.236773.606838	0.07850.039854702
OCBOCB	3131	PITTSYLVANIAPIITTSYLVANIA	MEDMED	55398.7761051.85147	0.09990.102846501
OCBOCB	3131	PITTSYLVANIAPIITTSYLVANIA	LOWLOW	72728.3474458.13513	0.04990.051880333
OCBOCB	3333	HALIFAXHALIFAX	HIGHHIGH	3642.9419.95938022	0.01950.000117437

OCBOCB	3333	HALIFAXHALIFAX	MEDMED	14374.4327045.10404	0.02590.045559541
OCBOCB	3333	HALIFAXHALIFAX	LOWLOW	77922.8568615.69293	0.05340.047809484
OCBOCB	3434	PEAKS OF OTTERPEAKS OF OTTER	HIGHHIGH	0.000	0.00000
OCBOCB	3434	PEAKS OF OTTERPEAKS OF OTTER	MEDMED	0.000	0.00000
OCBOCB	3434	PEAKS OF OTTERPEAKS OF OTTER	LOWLOW	104273.36104199.1397	0.07150.072603028
OCBOCB	3737	BIG WALKERBIG WALKER	HIGHHIGH	0.000	0.00000
OCBOCB	3737	BIG WALKERBIG WALKER	MEDMED	0.000	0.00000
OCBOCB	3737	BIG WALKERBIG WALKER	LOWLOW	135351.91135584.1868	0.09280.094471245
OCBOCB	4242	APPOMATTOX RIVERAPPOMATTOX RIVER	HIGHHIGH	8893.597546.888646	0.04750.044404555
OCBOCB	4242	APPOMATTOX RIVERAPPOMATTOX RIVER	MEDMED	10978.5313930.40813	0.01980.023466835
OCBOCB	4242	APPOMATTOX RIVERAPPOMATTOX RIVER	LOWLOW	12579.3210968.81889	0.00860.007642764
OCBOCB	4444	PATRICKPATRICK	HIGHHIGH	0.000	0.00000
OCBOCB	4444	PATRICKPATRICK	MEDMED	4717.524688.483217	0.00850.007898108
OCBOCB	4444	PATRICKPATRICK	LOWLOW	40443.9040393.86206	0.02770.028145306
OCBOCB	4545	MOUNTAIN CASTLES MOUNTAIN CASTLES	HIGHHIGH	0.000	0.00000
OCBOCB	4545	MOUNTAIN CASTLES MOUNTAIN CASTLES	MEDMED	70.3270.2974991	0.00010.000118421
OCBOCB	4545	MOUNTAIN CASTLES MOUNTAIN CASTLES	LOWLOW	15563.6315571.04663	0.01070.010849467
OCBOCB	4646	LAKE COUNTRYLAKE COUNTRY	HIGHHIGH	7574.229310.415041	0.04050.054780832
OCBOCB	4646	LAKE COUNTRYLAKE COUNTRY	MEDMED	53667.6555140.03693	0.09680.092887598
OCBOCB	4646	LAKE COUNTRYLAKE COUNTRY	LOWLOW	54389.3251336.40851	0.03730.035769765
OCBOCB	4747	BIG SANDYBIG SANDY	HIGHHIGH	0.000	0.00000
OCBOCB	4747	BIG SANDYBIG SANDY	MEDMED	0.000	0.00000
OCBOCB	4747	BIG SANDYBIG SANDY	LOWLOW	4521.314521.306075	0.00310.003150319

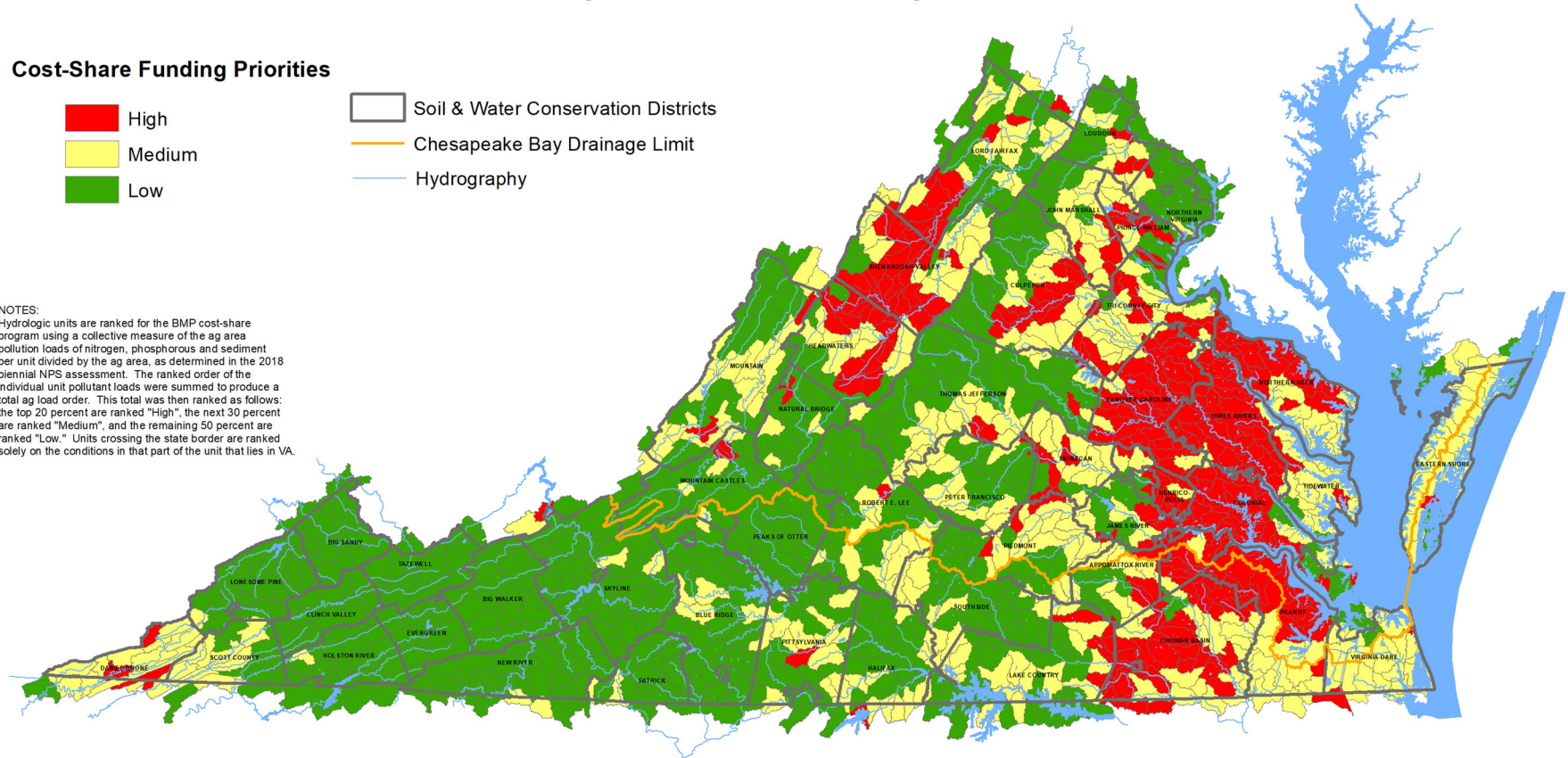
Virginia's Agricultural BMP Cost-Share Funding Priorities

Total Agricultural Unit Ranking - PY2022

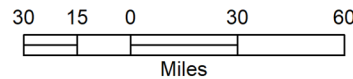
Cost-Share Funding Priorities



NOTES:
Hydrologic units are ranked for the BMP cost-share program using a collective measure of the ag area pollution loads of nitrogen, phosphorus and sediment per unit divided by the ag area, as determined in the 2018 biennial NPS assessment. The ranked order of the individual unit pollutant loads were summed to produce a total ag load order. This total was then ranked as follows: the top 20 percent are ranked "High", the next 30 percent are ranked "Medium", and the remaining 50 percent are ranked "Low." Units crossing the state border are ranked solely on the conditions in that part of the unit that lies in VA.



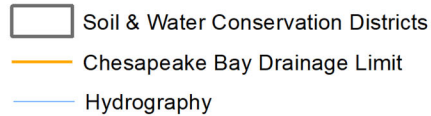
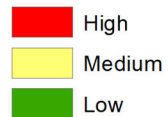
DATA SOURCES:
WATERSHED NPS LOADS: VPI-BSE, VADCR, VADEQ & USEPA
HYDROLOGIC UNIT BOUNDARIES: VADCR
S&W CONSERVATION DISTRICT BOUNDARIES: VADCR
HYDROGRAPHY: USGS



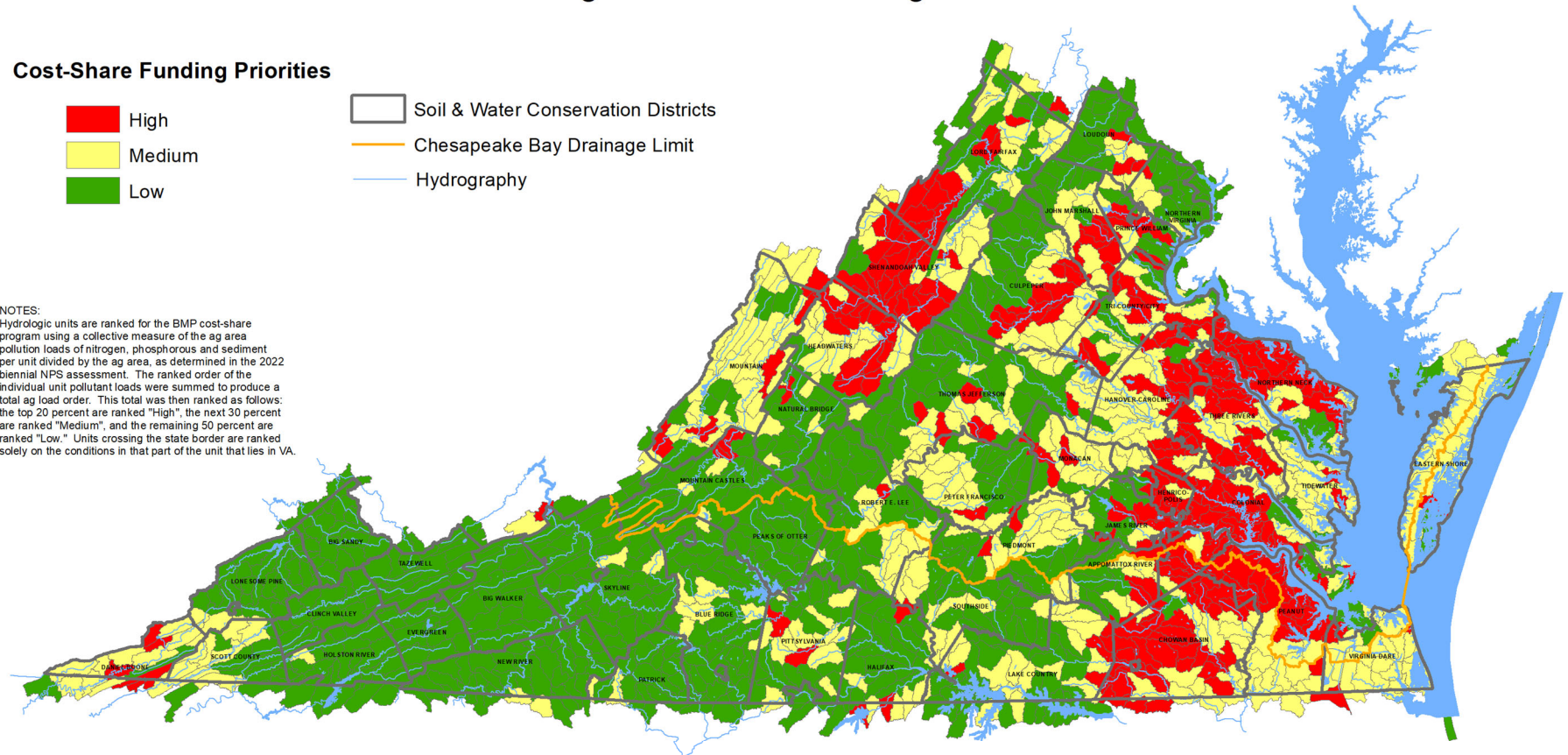
Virginia's Agricultural BMP Cost-Share Funding Priorities

Total Agricultural Unit Ranking - PY2023

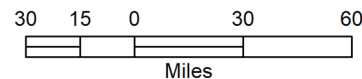
Cost-Share Funding Priorities



NOTES:
Hydrologic units are ranked for the BMP cost-share program using a collective measure of the ag area pollution loads of nitrogen, phosphorous and sediment per unit divided by the ag area, as determined in the 2022 biennial NPS assessment. The ranked order of the individual unit pollutant loads were summed to produce a total ag load order. This total was then ranked as follows: the top 20 percent are ranked "High", the next 30 percent are ranked "Medium", and the remaining 50 percent are ranked "Low." Units crossing the state border are ranked solely on the conditions in that part of the unit that lies in VA.



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03 May 2022