

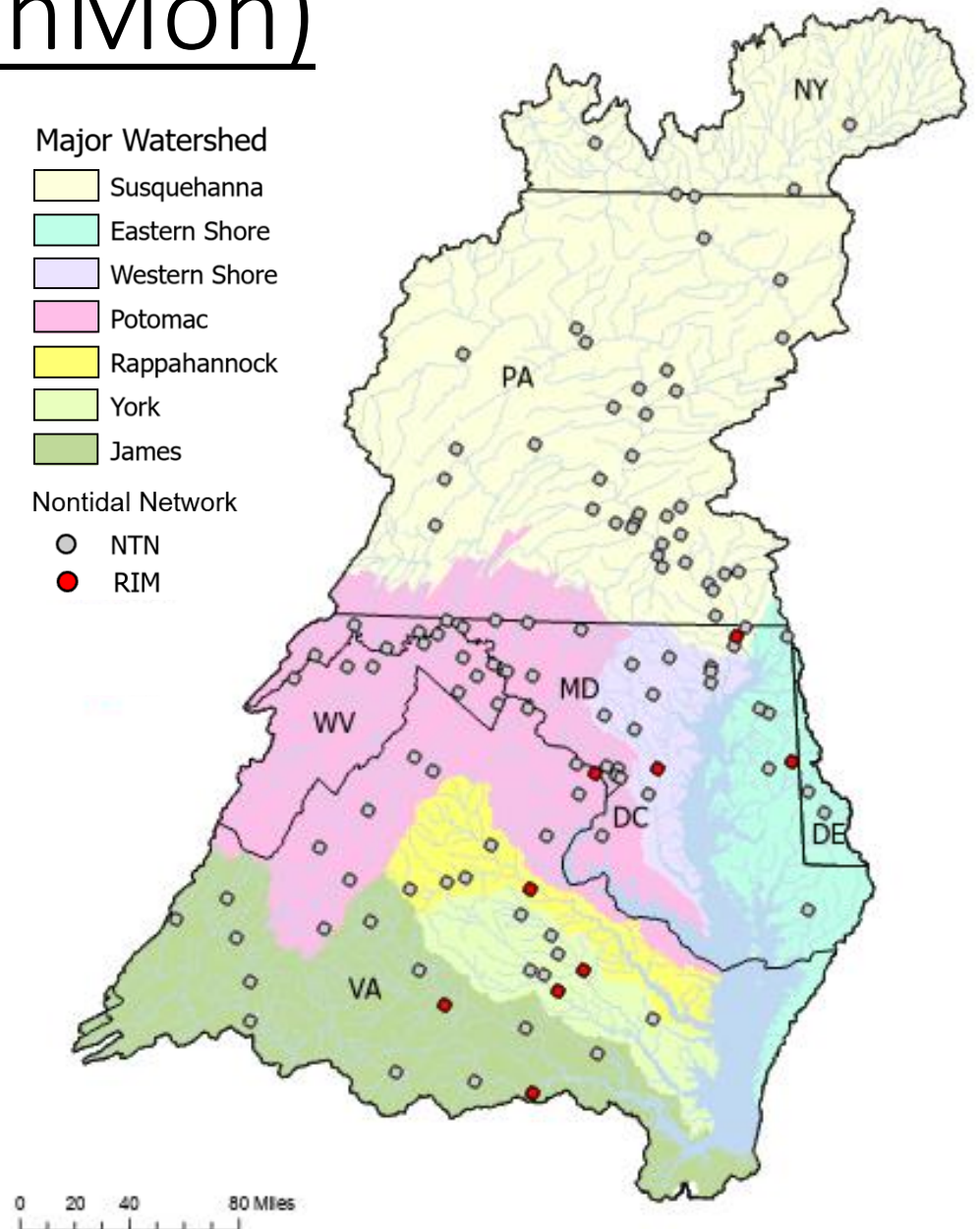
An aerial photograph showing a dark, winding river or stream cutting through a vast, dense forest of green trees. The river meanders through the landscape, creating a complex pattern of curves and bends. The forest appears thick and continuous, with varying shades of green indicating different types of vegetation or perhaps just the density of the canopy. The overall scene is a natural, undisturbed landscape.

River Input Monitoring Updates

Kaylyn Gootman (EPA) and Mark Nardi (USGS)

5/18/22

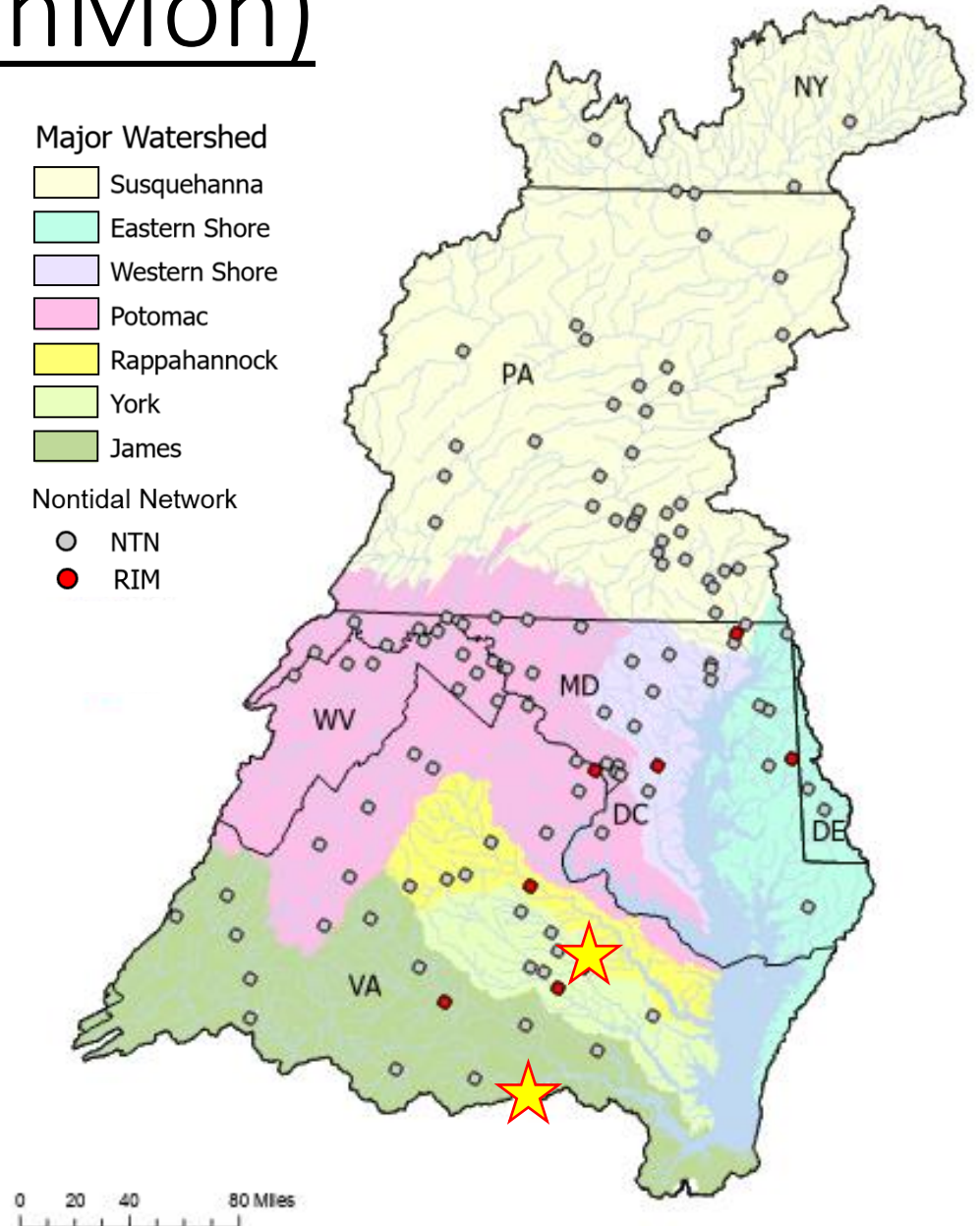
Continuous Monitoring (ConMon) Sensor Packages



Continuous Monitoring (ConMon)

Sensor Packages

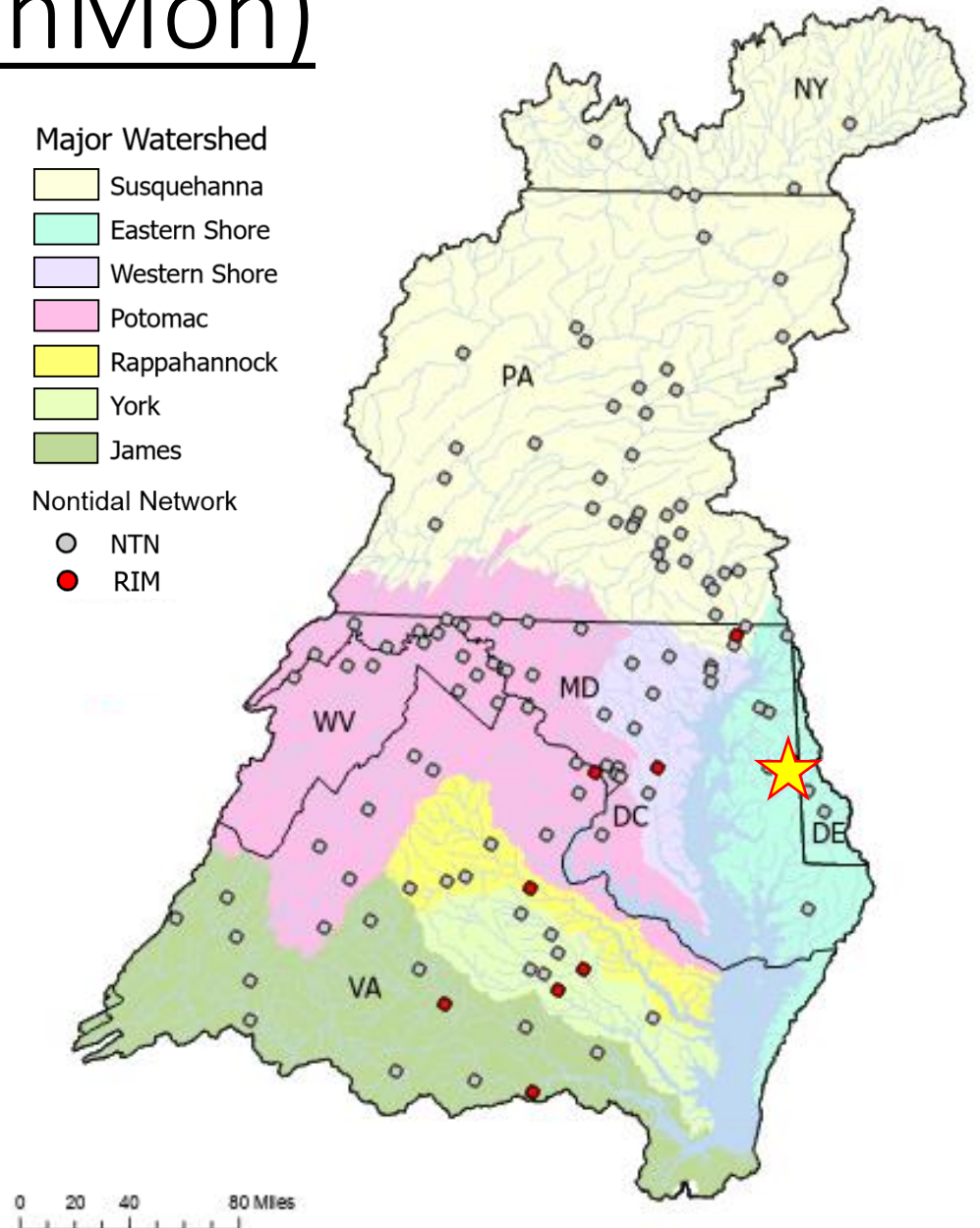
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 - Expect SUNA (nitrate) in June
 - 5 Parameter sondes deployed
 - pH, SC, Turbidity, DO, Temp



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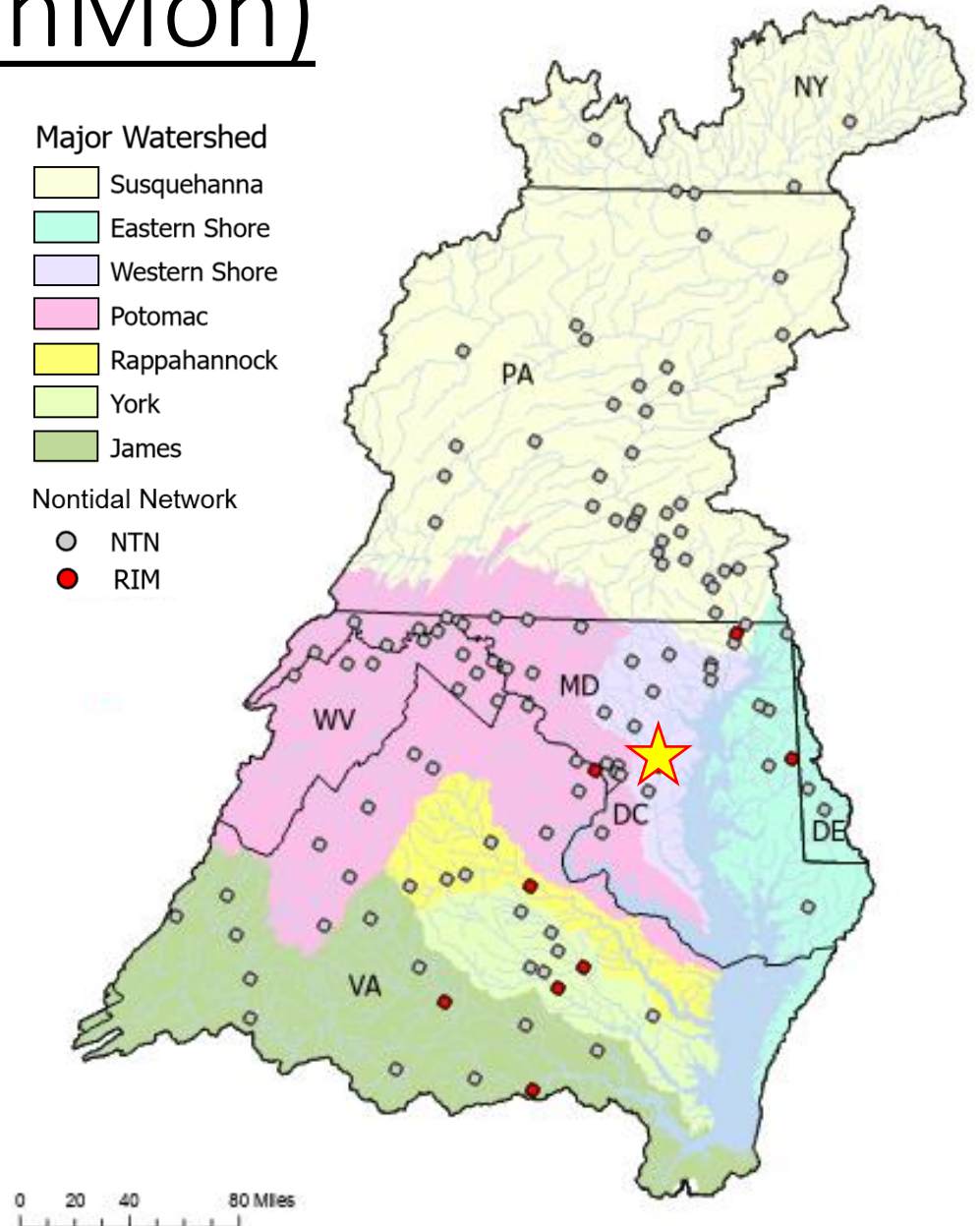
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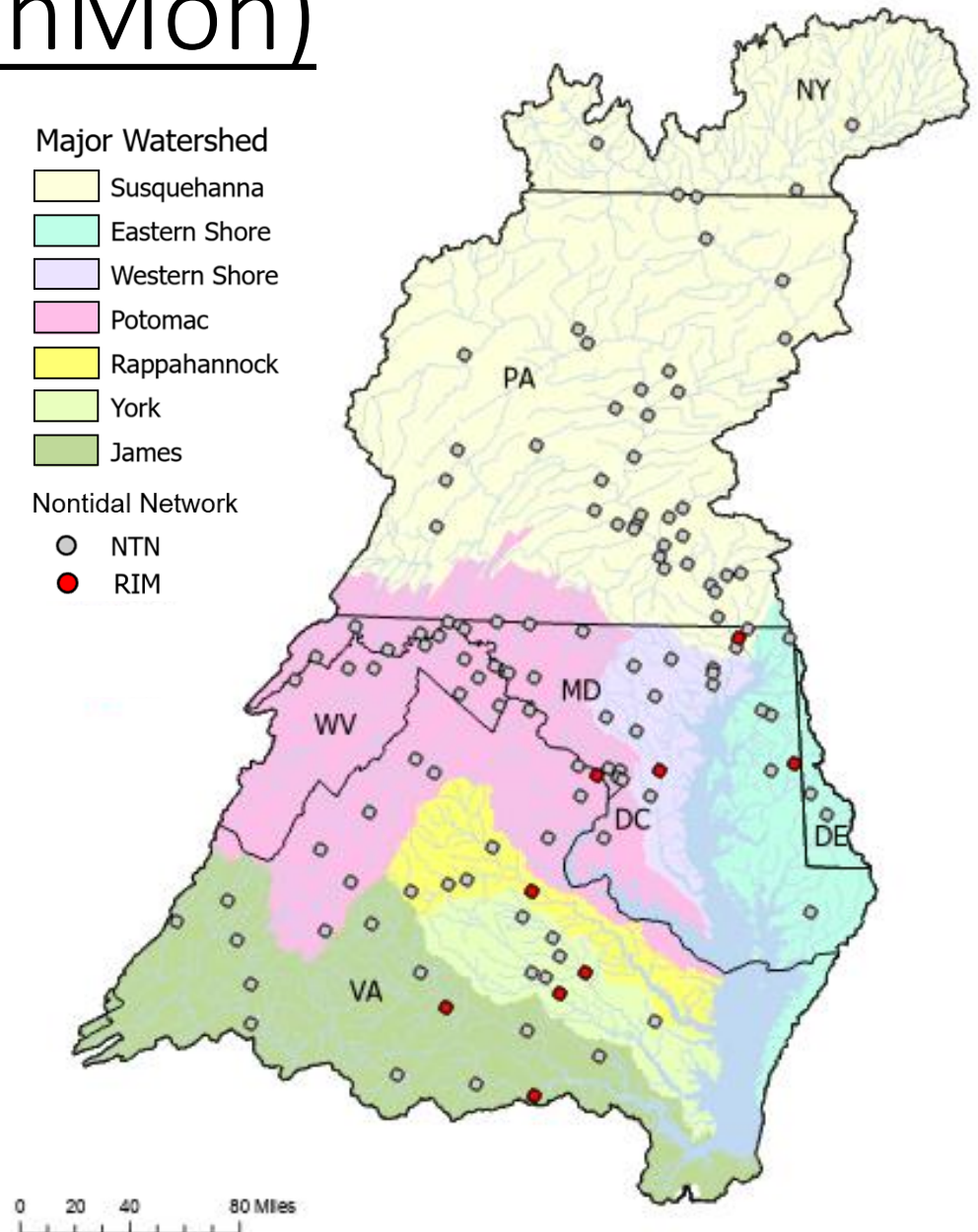
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 - Collecting data at Gwynns Falls



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- Funding
 - Good shape for FY23
 - Possible shortfalls in FY24





Challenges & Next Steps

Challenges

- Equipment availability
- Rising costs

Next Steps

- Hydrologic Implementation Facility (HIF) equipment purchases by end of June
- All SUNAs deployed and collecting nitrate data by end of July

An aerial photograph of a lush, green tropical forest. A dark, winding river or stream flows through the center of the image, surrounded by dense, vibrant green foliage. The word "Questions?" is written in a large, white, sans-serif font, centered over the river. The overall scene is a high-angle view of a natural, undisturbed landscape.

Questions?



Nontidal Network Funding Structure Updates

Kaylyn Gootman (EPA) and Mark Nardi (USGS)

5/18/22

Status Update

Working with data from USGS, EPA, & Jurisdictions

Identifying station cost information 1) overlaps, 2) discontinuities, and 3) what is missing

Looking to grant documentation & communication with our partners to fill in the gaps

Close to Finishing MD (thank you Renee!)

On Deck: PA

Table 1. Chesapeake Bay nontidal (NTN) monitoring stations included in the determination of nutrient and suspended sediment loads and trends for the time period 1985 through 2018. Bold stations represent the nine River Input Monitoring stations.			NTN sites sampled for water quality in Maryland are partially funded by the Chesapeake Bay Program in addition to						
MAP ID	USGS STATION NUMBER	USGS STATION NAME	State	Routine sample support	Storm sample support	Source of Streamflow support	Continuous Water Quality Monitoring	sampling organization	
88	01486000	MANOKIN BRANCH NEAR PRINCESS ANNE, MD	MD	MD-DNR	MD-DNR	MDOT, USGS	none	MD-DNR	
1	01487000	NANTICOKE RIVER NEAR BRIDGEVILLE, DE	DE						
2	01488500	MARSHYHOE CREEK NEAR ADAMSVILLE, DE	DE						
3	01491000	CHOPTANK RIVER NEAR GREENSBORO, MD	MD	MD-DNR, USGS	MD-DNR, USGS	MD-DNR, USGS	None	USGS MD-DE-DC WSC	
4	01491500	TUCKAHOE CREEK NEAR RUTHSBURG, MD	MD	MD-DNR	MD-DNR	MD-DNR, USGS	none	MD-DNR	
89	01498112	CHESTERVILLE BRANCH NEAR CRUMPTON, MD	MD	EPA-USGS IAG	EPA-USGS IAG	EPA-USGS IAG	Discontinued	USGS MD-DE-DC WSC	
90	01499500	MORGAN CREEK NEAR KENNEDYVILLE, MD	MD	MD-DNR	MD-DNR	MD-DNR, USGS	none	MD-DNR	
5	01495000	BIG ELK CREEK AT ELK MILLS, MD	MD	MD-DNR	MD-DNR	MD-DNR, USGS	none	MD-DNR	
6	01502500	UNADILLA RIVER AT ROCKDALE NY	NY	SRBC	SRBC	SRBC	none	SRBC	
7	01503000	SUSQUEHANNA RIVER AT CONKLIN NY	NY	SRBC	SRBC	SRBC	none	SRBC	
91	01511500	TOUGHENOG RIVER AT TASKA, NY							
8	01515000	SUSQUEHANNA RIVER NEAR WAVERLY NY	NY	SRBC	SRBC	SRBC	none	SRBC	
9	01529500	COHOCTON RIVER NEAR CAMPBELL NY	NY	SRBC	SRBC	SRBC	none	SRBC	
10	01531000	CHEMUNG RIVER AT CHEMUNG NY	NY	SRBC	SRBC	SRBC	none	SRBC	
11	01531500	SUSQUEHANNA RIVER AT TOWANDA, PA	PA	PADEP	PADEP	PADEP	None		

USGS_STAD	SiteName	CooperatorName	USGS_Coop_Funding	Cooperator_Funding_to_USGS	Description_Services_Funded
1491000	CHOPTANK RIVER NEAR GREENSBORO, MD	Maryland Department of Natural Resources	\$7,081.50	\$9,562.50	Full Range Streamflow Station
1491000	CHOPTANK RIVER NEAR GREENSBORO, MD	Maryland Department of Natural Resources	\$21,244.75	\$28,687.50	Periodic Sample Collection and Processing
1578310	SUSQUEHANNA RIVER AT CONOWINGO, MD	Maryland Department of Natural Resources	\$28,326.25	\$38,250.00	Periodic Sample Collection and Processing
1594440	PATUXENT RIVER NEAR BOWIE, MD	Maryland Department of Natural Resources	\$28,326.25	\$38,250.00	Periodic Sample Collection and Processing
1596500	SAVAGE RIVER NEAR BARTON, MD	Maryland Department of Natural Resources	\$4,440.00	\$2,785.00	Full Range Streamflow Station
1596500	SAVAGE RIVER NEAR BARTON, MD	Maryland Department of Natural Resources	\$0.00	\$3,200.00	Water Quality, Continuous
1596500	SAVAGE RIVER NEAR BARTON, MD	Maryland Department of Natural Resources	\$0.00	\$3,050.00	Water Quality, Continuous
1646580	POTOMAC RIVER AT CHAIN BRIDGE, AT WASHINGTON, DC	Maryland Department of Natural Resources	\$28,326.25	\$38,250.00	Periodic Sample Collection and Processing
1485000	POCOMOKE RIVER NEAR WILLARDS, MD	Maryland Department of Natural Resources, Maryland Geological Survey	\$5,515.00	\$11,545.00	Full Range Streamflow Station
1485500	NASSAWANG CREEK NEAR SNOW HILL, MD	Maryland Department of Natural Resources, Maryland Geological Survey	\$5,515.00	\$11,545.00	Full Range Streamflow Station

[illegible]

Goal: Interactive/Queries with Extractable Information (Who Pays for What and How Much by Station)

A top-down view of a white bowl filled with spaghetti topped with a rich meat sauce. The bowl sits on a red and white checkered tablecloth. Surrounding the bowl are fresh ingredients: two whole red tomatoes, several garlic cloves, and a bunch of green basil leaves. A silver fork is placed to the left of the bowl, and a metal grater is to the right. Shavings of yellow cheese are scattered near the grater. A semi-transparent grey box with the word "Questions?" is centered over the bowl.

Questions?