



# STORMWATER MEET SPATIAL DATA

STORMWATER WORKGROUP

JUNE 4, 2025



# SPATIAL DATA WORKGROUP- ONE OF 10 PSEMP WORKGROUPS



## NEW FOCUS AREA FOR SPATIAL DATA

- 2 years of conversations cross cutting 6PPD Q, VELMA, the Water Quality Benefits Evaluation Tool from King County
- NOAA statewide impervious surface layer- Spatial Data WG working on report and land cover data sources
- Water quality tools galore for transportation, land use planning, mitigation, prioritization and health
- VELMA (Visualizing Ecosystem Land Management Assessments): Ecohydrological watershed model for GSI placement
- WQBE- regional model (calibrated hydrology, TSS, Zinc, total CU, estimated loadings PCBs, PBDEs)
- WSDOT – SW Retrofits
- Heat Map from the Nature Conservancy

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## DESIRE TO ADD MORE STORMWATER PROFESSIONALS TO THE NEW SPATIAL DATA FOCUS AREA

- Over 200 people signed up for Spatial Data but not many stormwater practitioners
- 6PPD Q: overlap in data and tools; multiple prioritization models using same data on 6PPD Q- need to identify base layers and timeframe



# SPATIAL DATA POSSIBLY *THE* BEST COMMUNICATION TOOL

- 60% of human neural networks associated with vision
- Provides immediate “all at once” comprehension
- People love maps which provide CONTEXT for complex topics and show important relationships





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# HUMANS HAVE LIMITED CAPACITY TO STORE INFORMATION





# AUDIENCES FOR STORMWATER SPATIAL DATA

- Transportation Managers
- Community Groups- how to map priorities and align grants
- Budget Managers
- City Council folks unfamiliar with spatial data or stormwater issues

- Watershed and Integrated Land Use Planners

## ARTICLE

<https://doi.org/10.1057/s41599-022-01138-z>

OPEN



Integrate the integrators! A call for establishing academic careers for integration experts

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## FOLLOW UP CONTACTS

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