

# **Status and Trends for Rhode Island Freshwaters: Making sure we have the basics**

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# Narragansett Bay Watershed



**Watershed Status**  
**Who wants to know?**

**How do they access information?**

- **Resource Managers**
- **Municipal Officials**
- **Watershed Organizations**
- **“Public”**

# Watershed Status

Tell the story of a watershed with information available in electronic format –

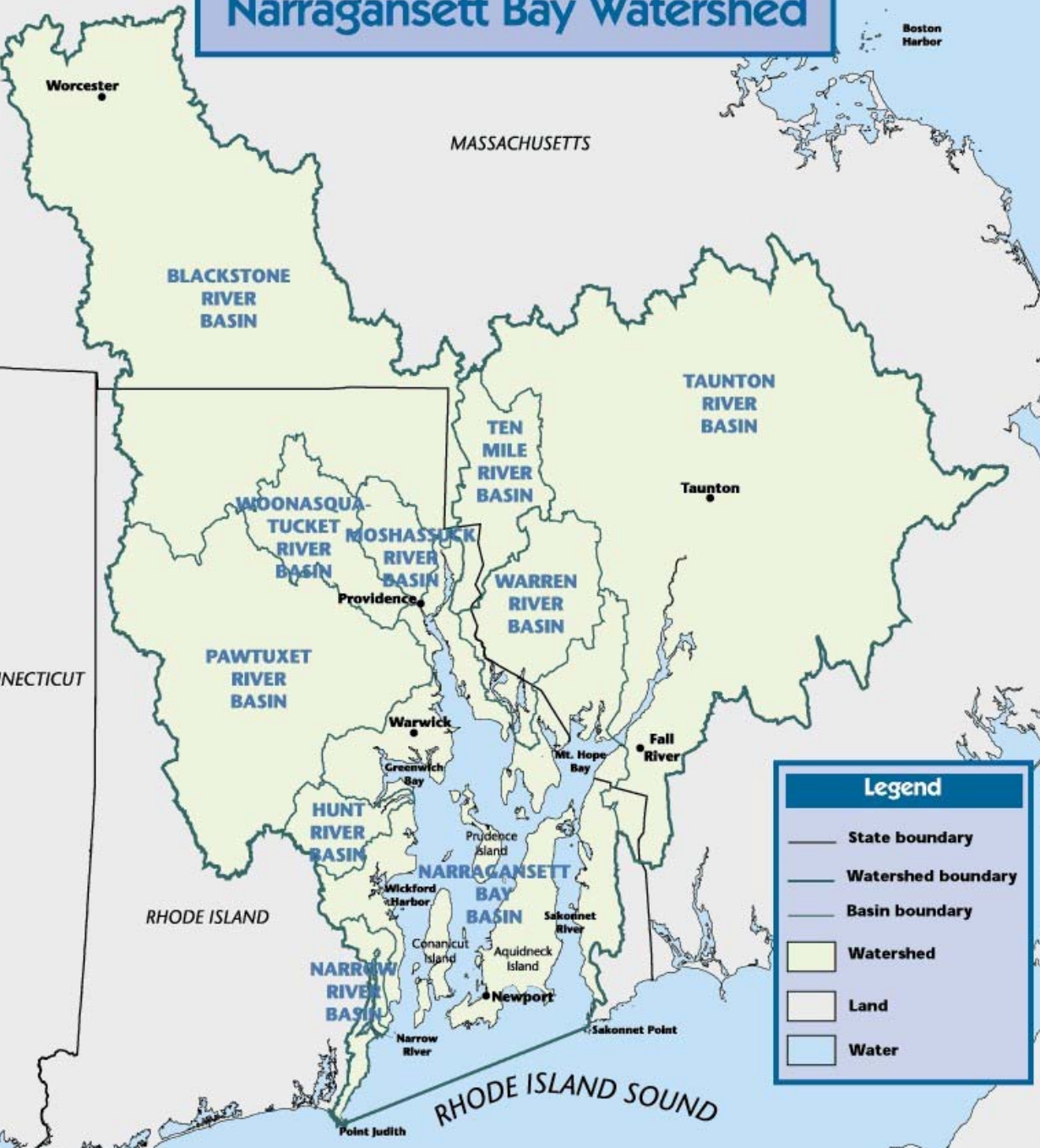
In ONE place

In map format

And in table format....



# Narragansett Bay Watershed



**Where is the water?**

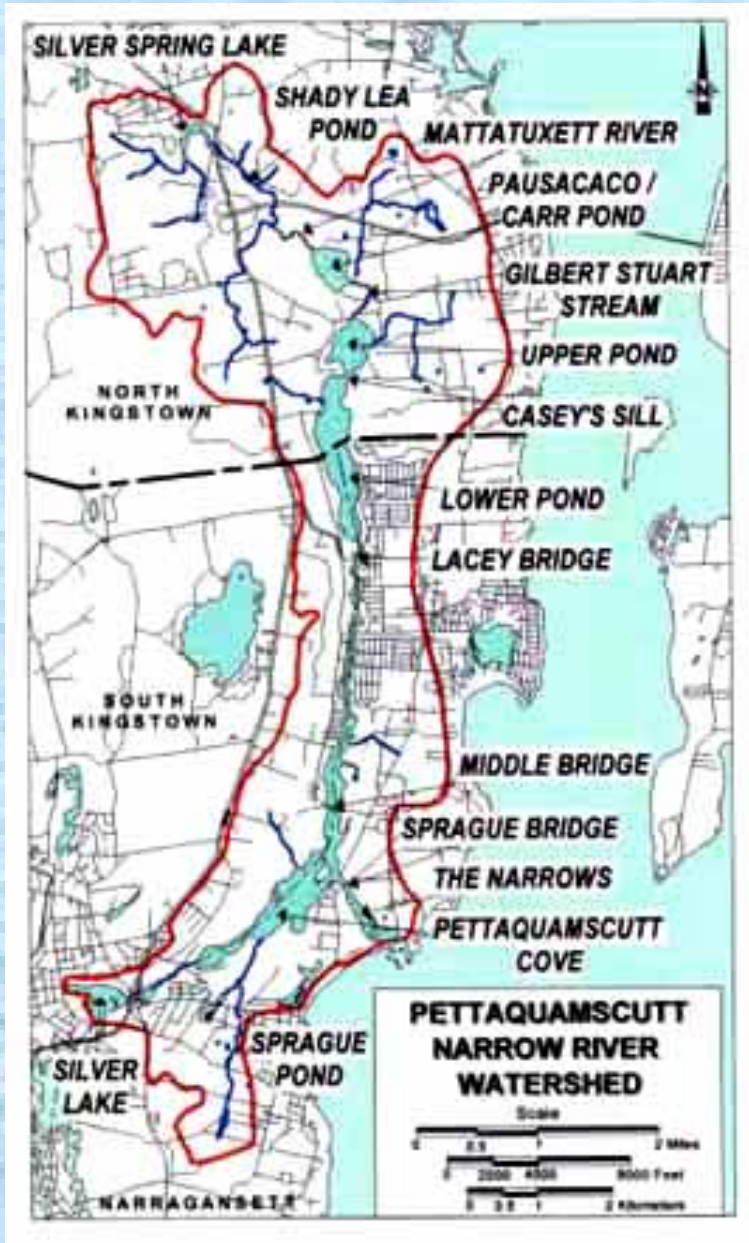
**Watershed boundaries**

**Relationship to towns**  
(% town in the watershed)  
(*USGS water use and availability reports*)

**Streams and rivers –**  
names and locations  
(*RIDEM classifications*)

**Lakes and ponds**  
(*RIDEM classifications*)

**How does surface water**  
**relate to groundwater?**  
(*USGS water use and availability reports*)



**Where is the water going?**

**FLOW** – USGS gages

**Water Supply** – where are withdrawals? Where is the water delivered? Is the area sewered?

**Wastewater** – what is the collection system? Where is the discharge?

**Individual wells?**

**CSOs?**

## DAMS

RI has ~ 600 dams

Where are they?

What is the condition?  
(*DEM dam inventory*)

Who owns the dam?

Is it currently used?

What is planned for the future  
(*fish passage*)



**Reconstructed Allendale Dam**

# Water Quality

What are the water quality classifications?

What is the current status?  
305(b), 303(d)

What are these assessments based on? Where is the data?

What additional studies have been done?

- Government (TMDL, rotating basins)
- Scientific studies
- volunteer monitoring
- other



# Water Quality

Permitted discharges –  
where? What?

Stormwater outfalls?  
Where?

CSOs?

Superfund sites?

Issues of special concern  
– Hg? PCBs?



**View of the Centredale Site looking  
North along the Woonasquatucket River**

*EPA web site*

# Not to mention.....

- Fish
- Invertebrates
- Amphibians
- Birds
- Plants
- Wetlands
- Invasive species
- Etc.



**Fishermen assist herring over the dam  
At Omega Pond  
(photo NBEP)**

# A Fishable/Swimmable Blackstone by 2015



***Jump in***

***The Water's***

***(Going to be )***

***Fine!!!***