## About the Lower Passaic River: Environmental Challenges and Opportunities

Sarah Lerman-Sinkoff, Ambassador, Lower Passaic River Urban Waters Federal Partnership







#### **About the Urban Waters Federal Partnership**

- Ambassador role: identifying community needs with respect to urban waterways, finding appropriate partners in the interagency partnership
- Working to share some of the best practices developed through the Superfund community engagement process to other government agencies active on the Lower Passaic River.
- One of 19 pilot locations, the Lower Passaic River UWFP is a collaboration of federal and state agencies, municipalities, and community-based organizations advancing cleanup, restoration, and stewardship of the Lower Passaic River and equitable, sustainable development along its banks.























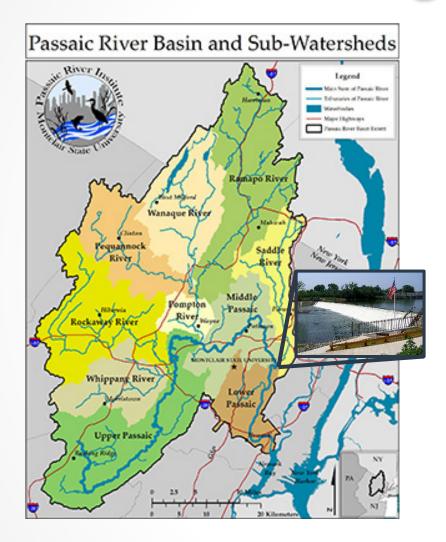








# Geography



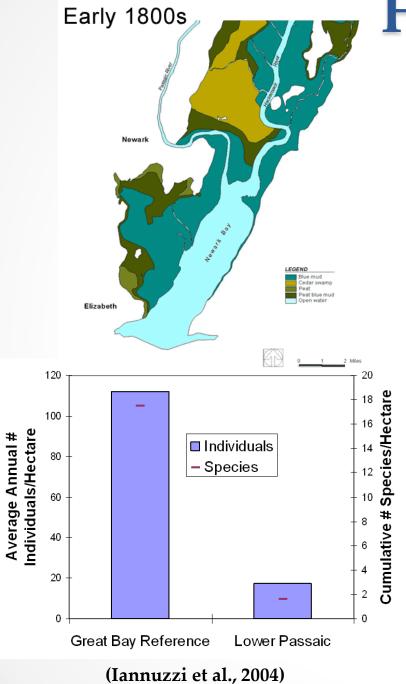


Headwater of the Passaic in Mendham Township

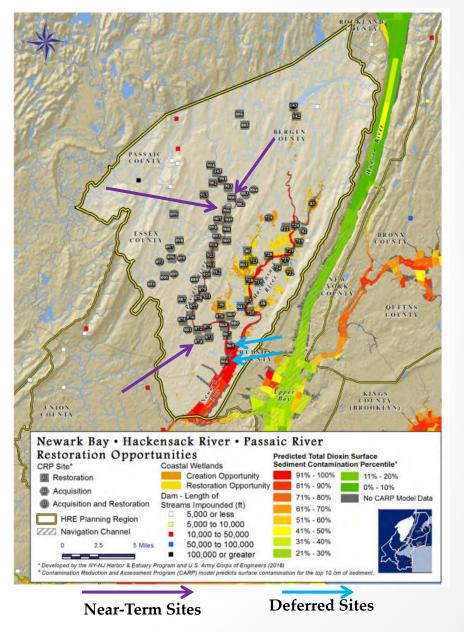


The tidal stretch in Newark, NJ





Habitat





### **Public Access**

3.5% of the Lower Passaic River is accessible in comparison to a harborwide average of 37.4% --NY-NJ Harbor & Estuary Program Public Access Report (2017)

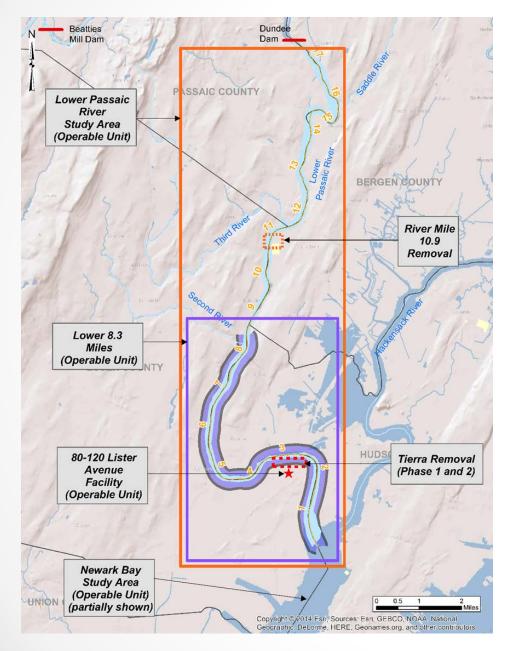




Location and Amount	Description
Newark CEDC	Expansion of
\$17m	Riverfront Park
Essex County	Boathouse at Newark
\$5m	RP
Town of	Create Passaic River
Harrison \$1.8m	Waterfront
City of Garfield \$1.73m	Create Riverwalk
Passaic County & City \$5m	Dundee Island Waterfront Park



### **Contaminated Sites**

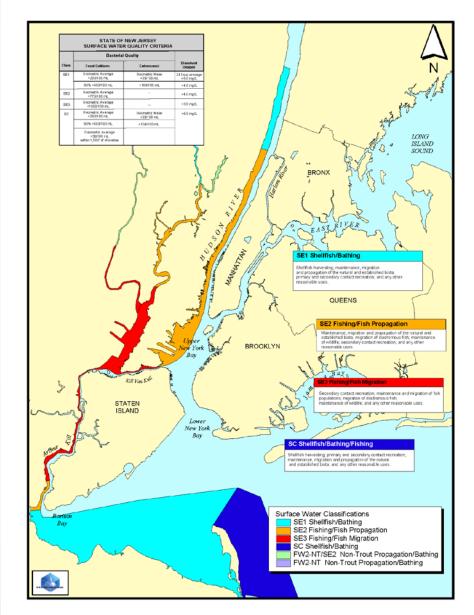


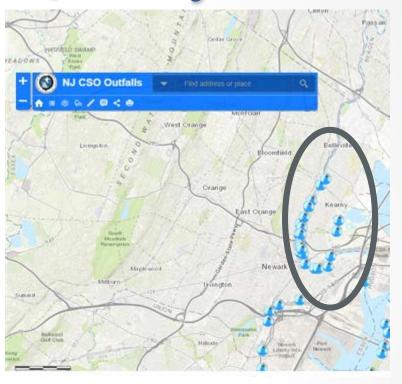


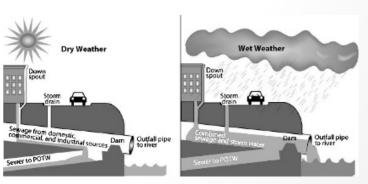




# Surface Water Quality

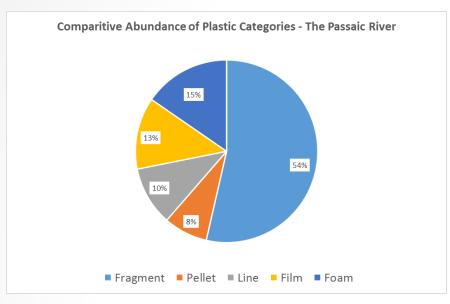








#### Floatables and Plastics



NY/NJ Baykeeper (2014)







# Berths and Navigation

Berths Available for Commercial Navigation (1997-2006)





Dredging locations	Most recent dredge
Kearny Point (RM 0-1.2)	1983 (30 feet)
Point-No-Point (1.2-2.5)	1983 (30 feet)
Harrison Reach (2.5-4.6)	1937 (20 feet)
Newark Reach (4.6-6.1)	1950 (16 feet)
Kearny Reach (6.1-7.1)	1950 (16 feet)
Arlington Reach (7.1-8.1)	1930 (10 feet)
Belleville Reach (8.1-8.3)	1932 (10 feet)
Montclair Greenwood Lake Railroad Bridge (8.3- 15.4)	1976 (10 feet)



2014 FEMA Preliminary Flood Insurance Maps

# Flooding and Resiliency

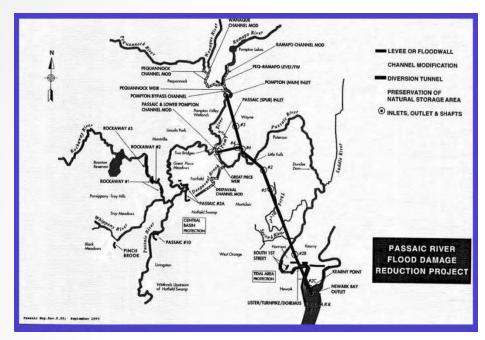
"The Passaic River Basin has a landuse problem, not a flooding problem"

--John Miller (2014), New Jersey Association for Floodplain Management

Total National Flood Insurance Program Payments in Lower Passaic Riverfront Cities Since 1978, by County		
Bergen County	\$39,841,231.23	
Essex County	\$26,705,886.10	
Passaic County	\$15,303,506.84	
Hudson County	\$29,460,571.67	
Grand total	\$111,311,195.84	



#### Flood Risk Management





- Historic Corps of Engineers study authorized in 1976 would have involved a 20-mile diversion tunnel, with floodwalls and levees along the southern reach in Newark, Harrison, and Kearny
- Tunnel project was halted in 1995 at the request of State of New Jersey, and Act of Congress
- Project was split into a Passaic
   "Mainstem" study, and a Passaic
   "Tidal" study, but construction was never funded by Congress
- Corps received influx of funds after Sandy to re-examine the "Tidal" project, part of which was incorporated into the design of Newark Riverfront park,
- smaller "Newark Flanking" project near Newark Airport
- Passaic Mainstem still under study.

# Passaic River Community Involvement Guide: Improving Public Involvement in Federal Projects

