

Scranton Road Towpath Trail Beyond Trails & Greenways

June 12, 2014



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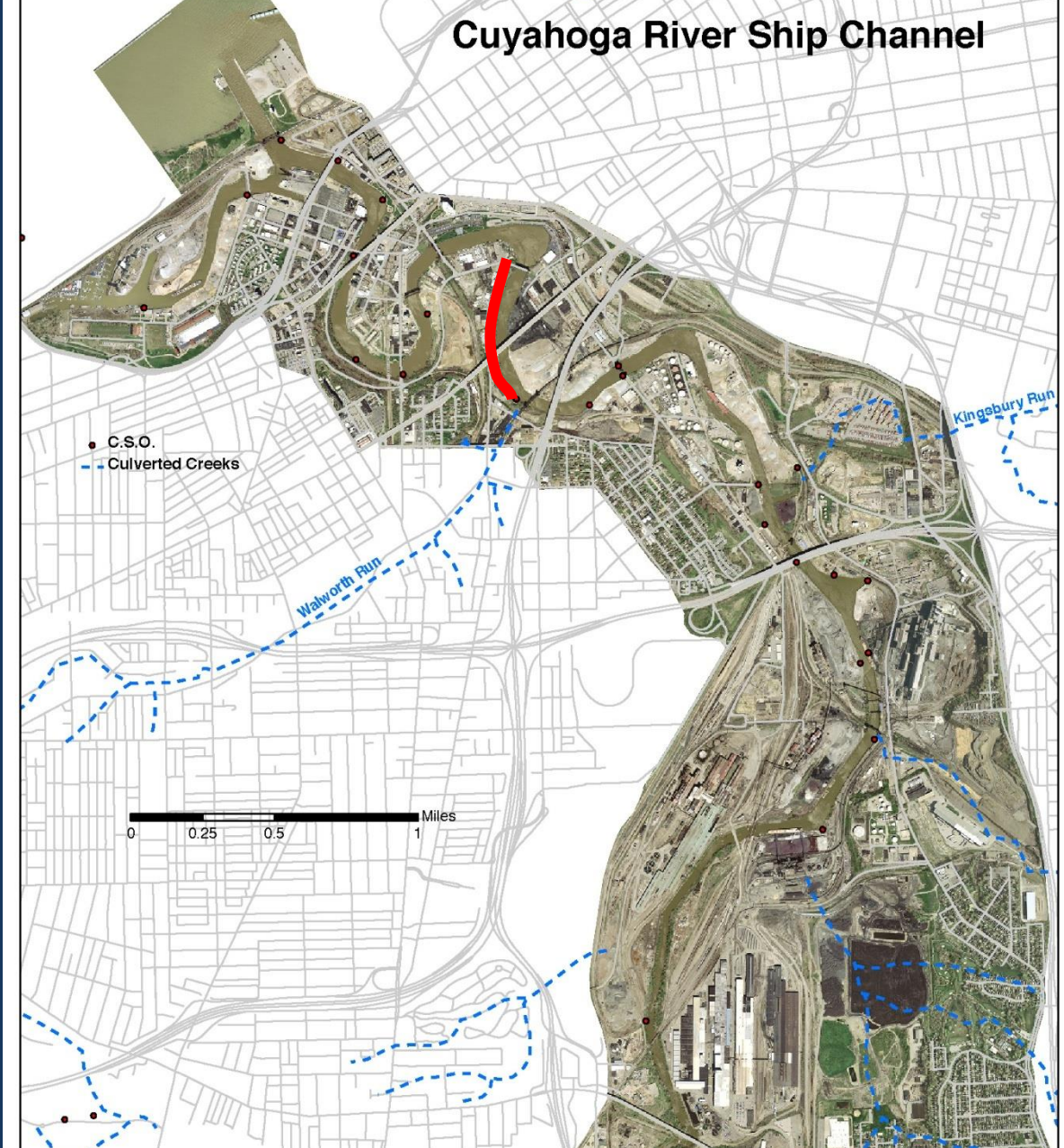


Scranton Road Towpath Trail





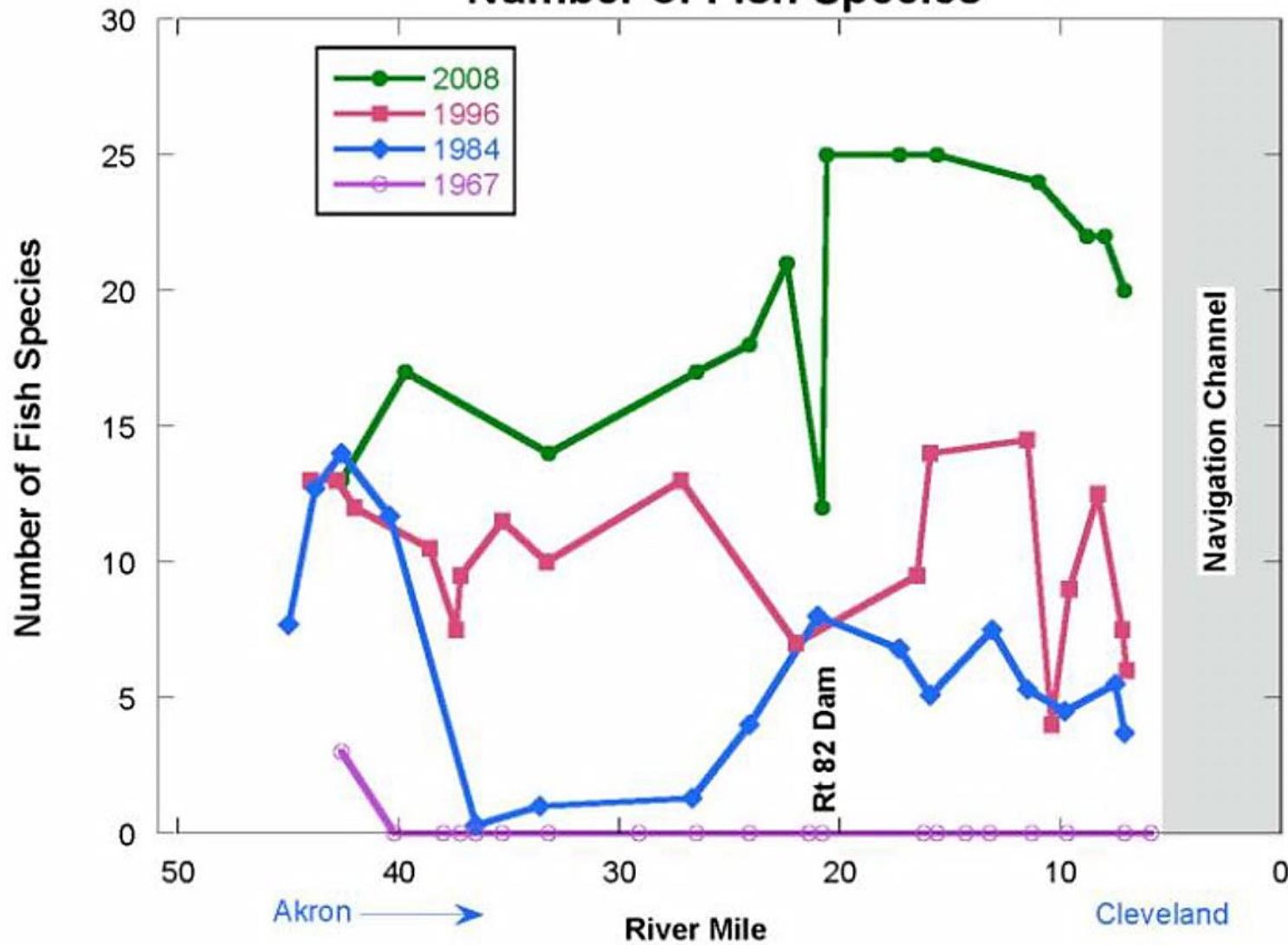
Cuyahoga River Ship Channel



Scranton Road Towpath Trail



1967- 2008 Cuyahoga River AOC Number of Fish Species



Credit: Cuyahoga River Remedial Action Plan Coordinating Committee and the Ohio Environmental Protection Agency



Scranton Road Towpath Trail



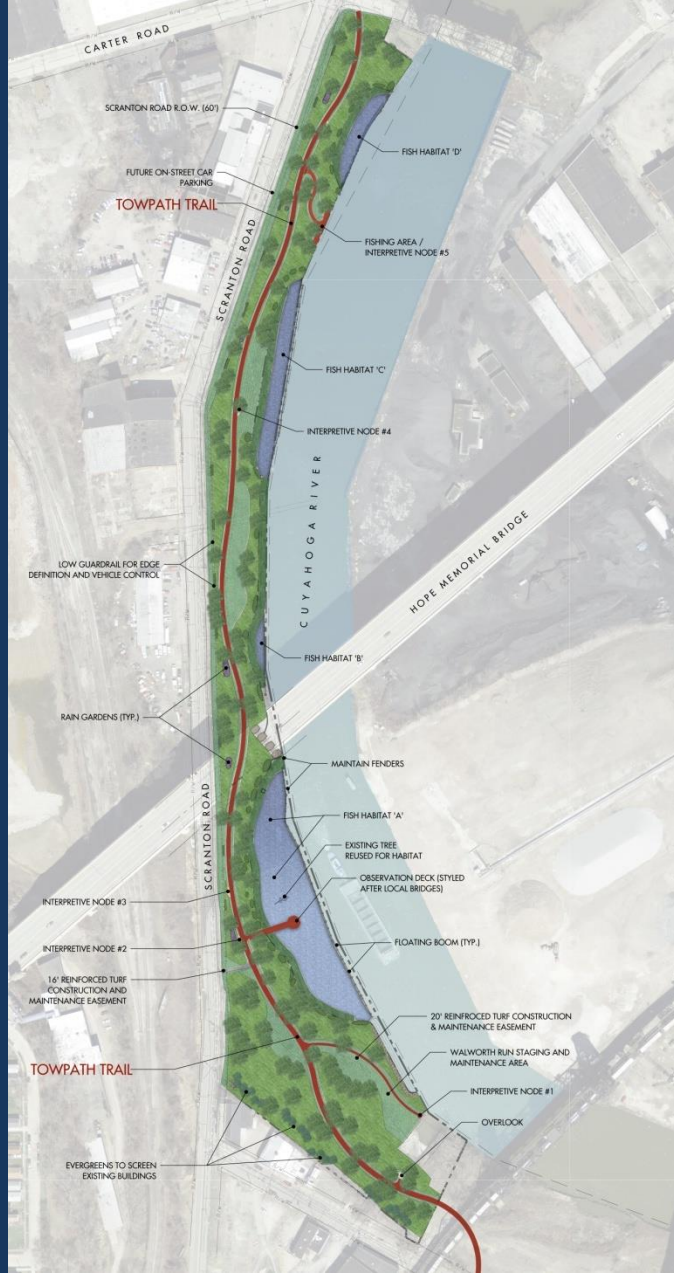
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- 3,000 feet river bank and fish habitat restoration
- 4.75 acres upland restoration
- 0.8 mile towpath trail
- \$9.1 million

Cuyahoga River Urban Habitat Restoration

This project was funded through the American Recovery and Reinvestment Act and the Great Lakes Restoration Initiative with support from the following partners:











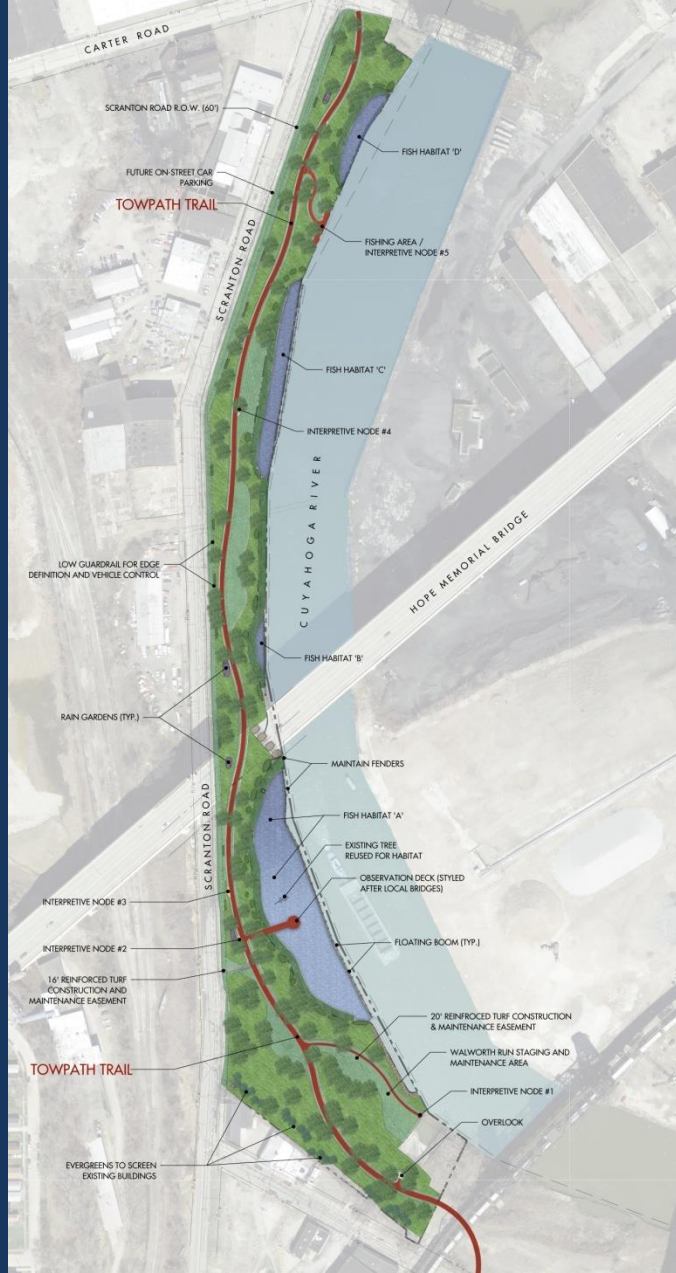





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goals

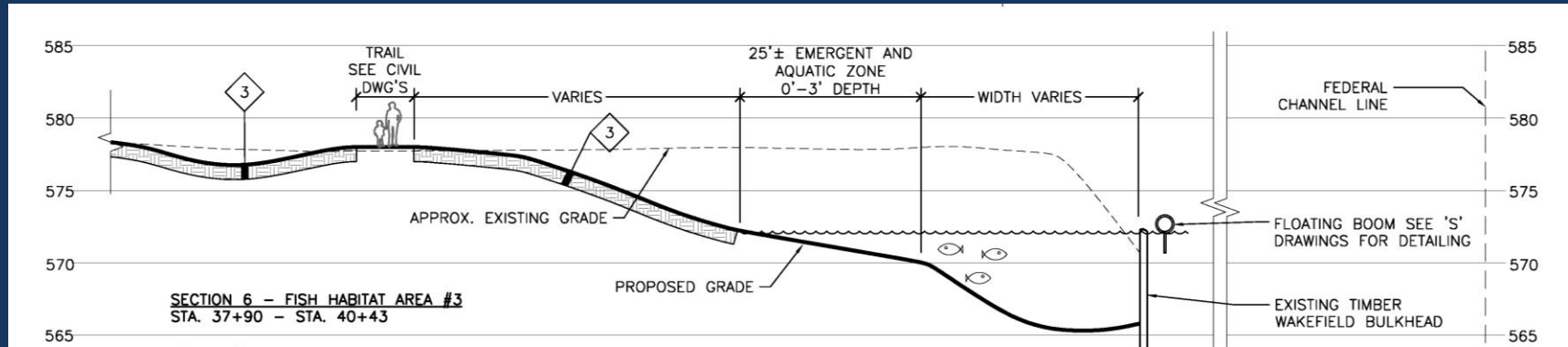
- Non-motorized transportation connector
- Urban greenspace
- Active & passive recreation
- Brownfield remediation
- Larval fish habitat
- Riparian buffer / upland restoration
- Stormwater control
- Public education
 - History
 - Industry
 - Environment

challenges

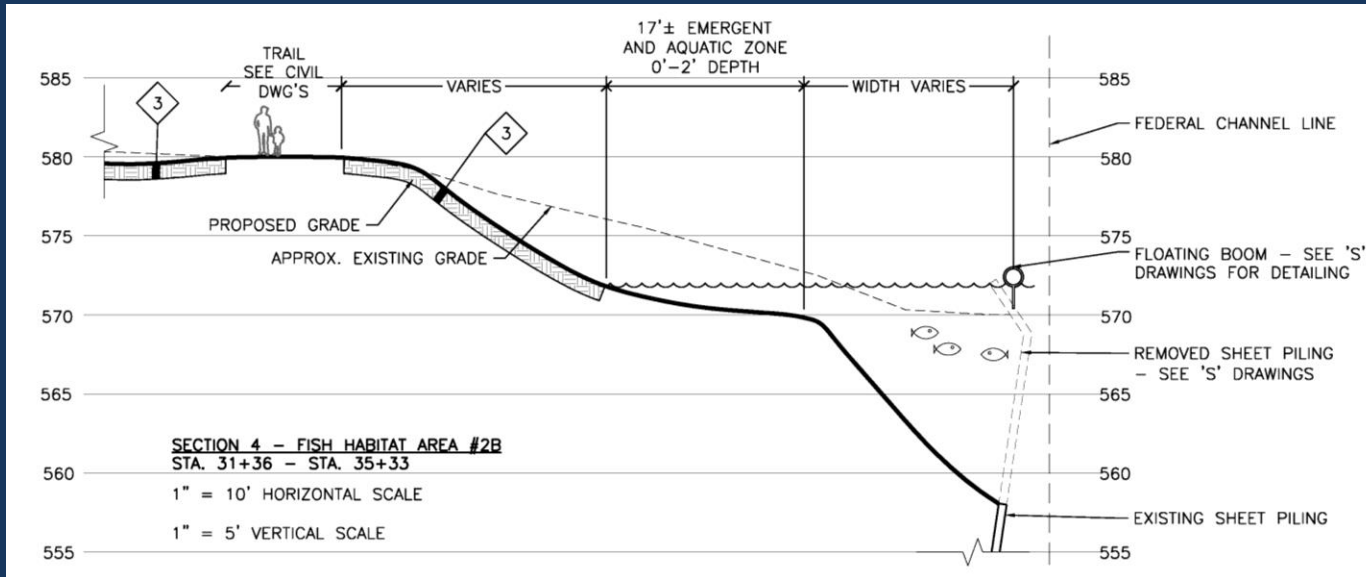
- Bulkheads
- Bulkhead failure
- Environmental issues
- River dynamics
 - Changing elevation
 - Bow thruster energy
 - Water displacement
 - Ice
 - CSO outfall
 - Floatables
 - Turbidity
 - River bottom muck
 - Low water velocity & hypoxia
- Scranton and trail runoff
- Federal shipping channel



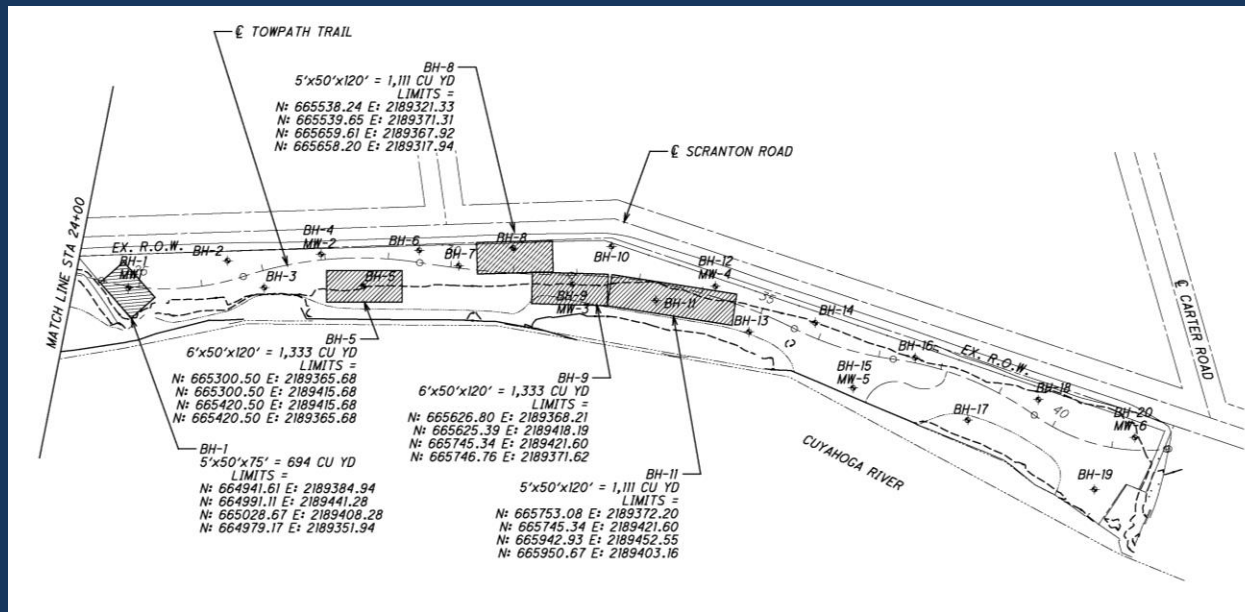
bulkheads



bulkheads



environmental issues



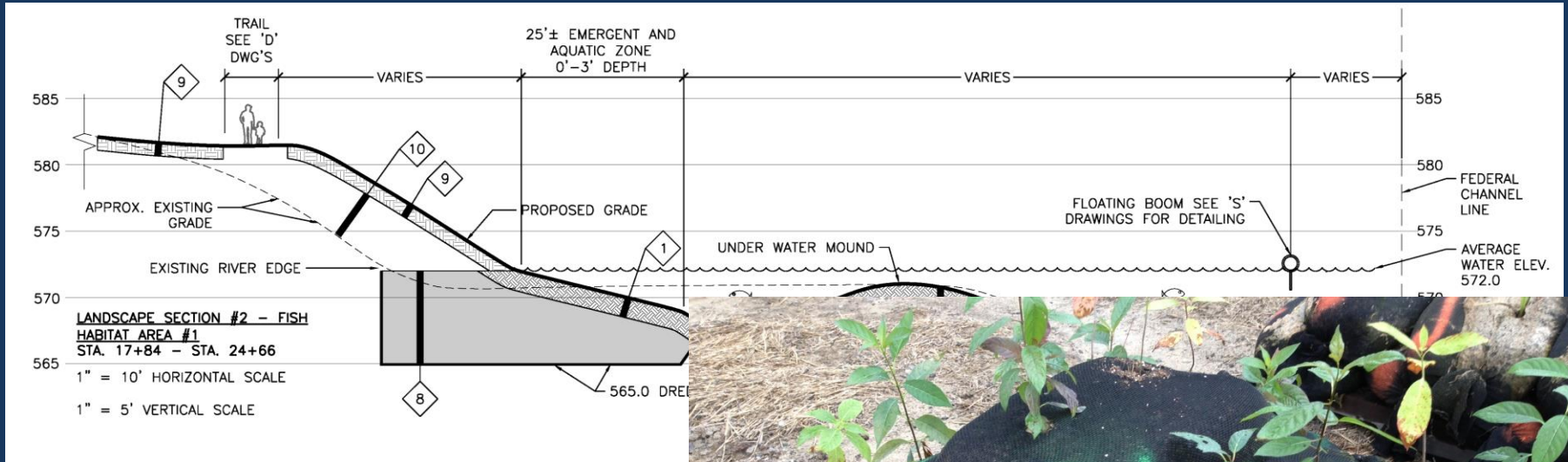
PROPOSED SOIL EXCAVATION AREAS

VAP CRITERIA EXCEEDANCE		SOIL BORING	LOCATION		GENERAL DIMENSIONS				
			STATION	OFFSET	WIDTH (FT)	LENGTH (FT)	DEPTH (FT)	CU FT (FT³)	CU YD (YD³)
INDUSTRIAL (and OTHERS FOR RESIDENTIAL)	BENZO(A)PYRENE	BH-5	28+63	49' RT	50	120	6	36,000	1,333
	BENZO(A)PYRENE	BH-8	30+99	35' LT	50	120	5	30,000	1,111
	LEAD	BH-9	31+95	19' RT	50	120	6	36,000	1,333
MULTIPLE RESIDENTIAL EXCEEDANCES	BENZO(A)PYRENE LEAD	BH-1	24+85	7' RT	50	75	5	18,750	694
	BENZO(A)PYRENE LEAD	BH-11	33+33	32' RT	50	120	5	30,000	1,111
ITEM 690 - SPECIAL MISC.: REMOVAL AND DISPOSAL OF CONTAMINATED SOILS TOTAL TO GENERAL SUMMARY									5,583
SITE-WIDE RESIDENTIAL	ARSENIC, AND AREAS WITH < 3 mg/kg BENZO(A)PYRENE	ENTIRE SITE	1-FT of CLEAN COVER MATERIAL PLACED OVER RE-GRADED ON-SITE MATERIAL ITEM 203 - EMBANKMENT, USING NATURAL SOILS, 703.16A						6,876

- Habitat location, grading, and planting



muck



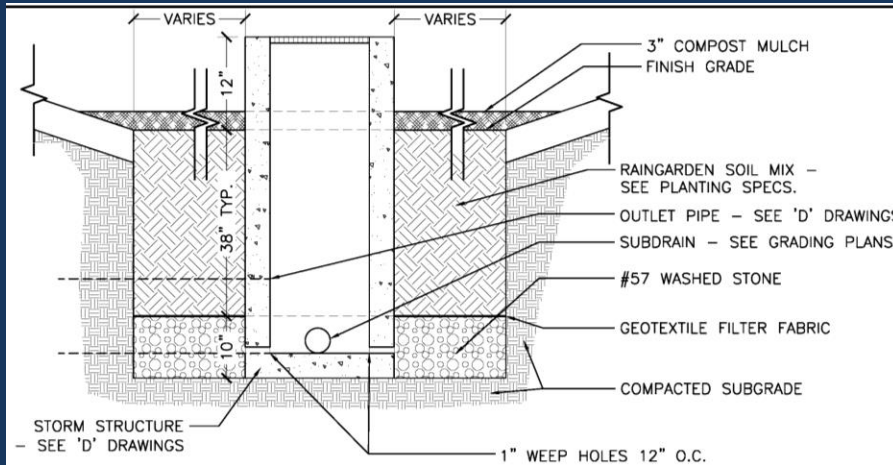
floatables



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runoff



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progress



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progress



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progress

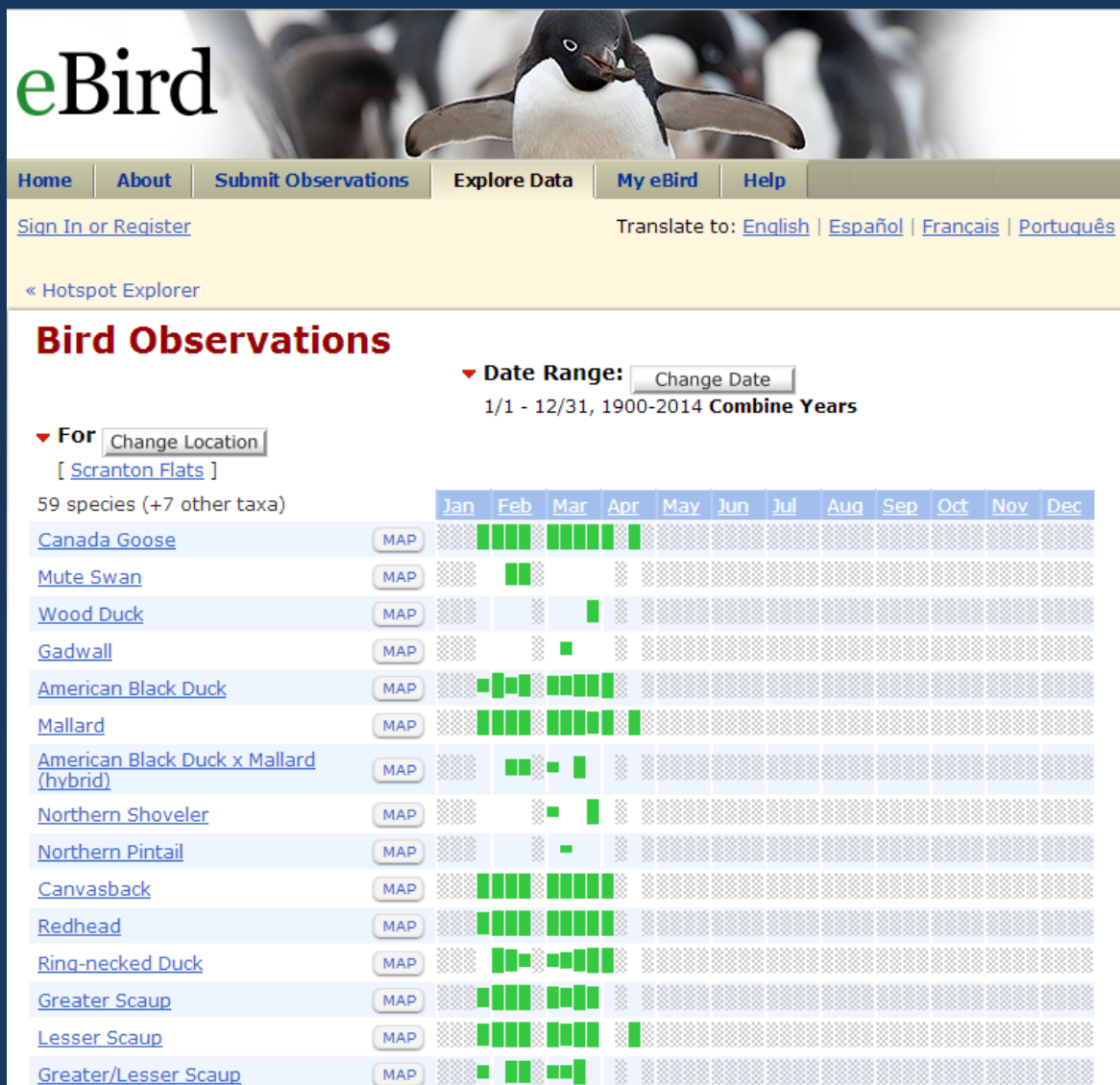


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progress



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