



ENVIRONMENTAL AFFAIRS FUND

TOWN OF PLYMOUTH – MARINE AND ENVIRONMENTAL AFFAIRS



1/22/2020

Total Environmental Fund to Date: \$492,020

Total Grants Leveraged to Date: \$850,380

Town of Plymouth, Department of Marine and Environmental Affairs

26 Court Street, Plymouth MA 02360

Environmental Affairs Fund

TOTAL ENVIRONMENTAL FUND TO DATE: \$492,020

TOTAL GRANTS LEVERAGED TO DATE: \$850,380

ENVIRONMENTAL AFFAIRS FUNDING ALLOCATED TO DATE

Jenney Pond Dam	(FTM 2019)	\$77,000
Jenney Pond Dredging – Engineering & Permits	(FTM 2019)	\$101,000
Holmes Dam Sediment Disposal	(FTM 2019)	\$75,000
Savery Pond Watershed Study	(FTM 2019)	\$28,977
Water Street Revetment and Parking Lot Cap	(FTM 2018) Revised	\$240,000 \$139,863
Feasibility of Jenney Bypass	(STM 2018)	\$36,680
Red Pine Barren Removal	(STM 2018)	\$12,500
PIT-Tag Year 1	(FTM 2017)	\$21,000

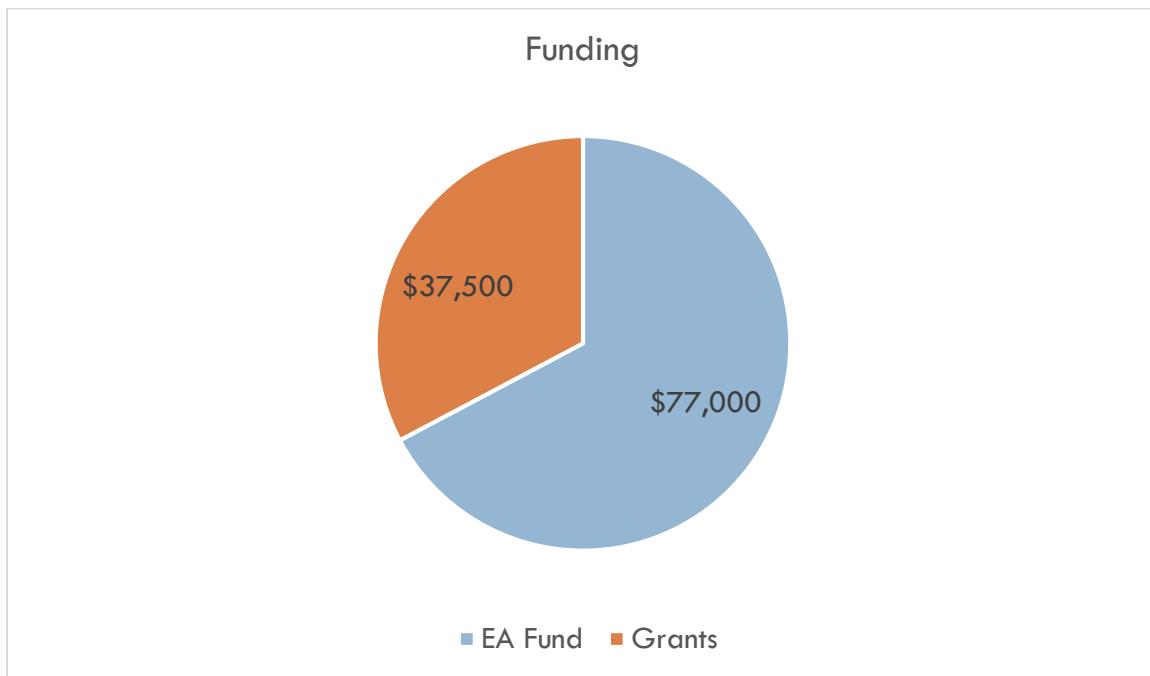
Jenney Pond Dam Repairs

Funding:

Environmental Affairs Fund-\$77,000

Grant Dam & Seawall - \$37,500

Jenney Pond Dam is a Significant Hazard Dam that is in need of maintenance and repairs based upon its required inspection. Funding allows for the development of engineering plans and to obtain permits for those repairs.



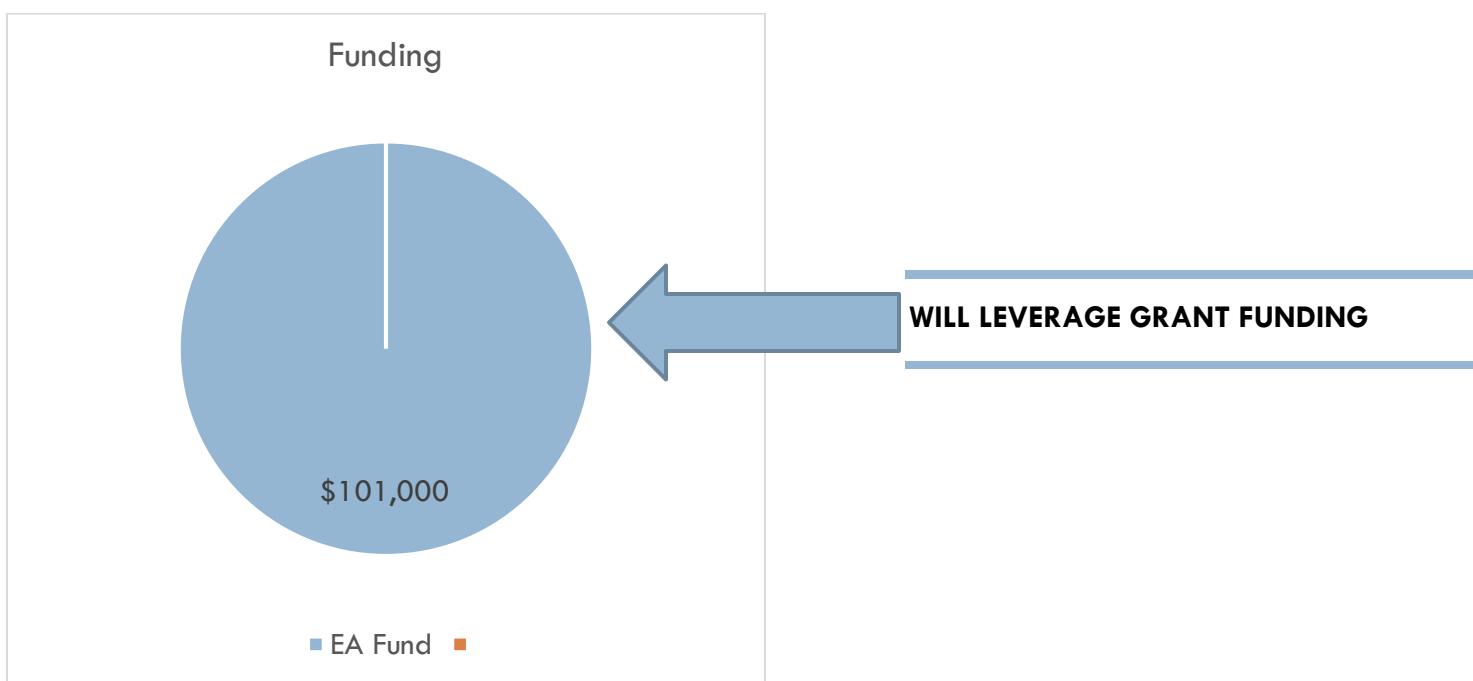
Project Status	In progress. The design and permitting will be completed in the 2020 calendar year allowing for Marine & Environmental to apply for construction funding for the dam repairs.
Town Meeting/Acct #	Fall 2019 Town Meeting 2019F4H-583050 (\$77,000 Environmental Fund)

Jenney Pond Dredging

Funding:

Environmental Affairs Fund-\$101,000

Jenney Pond is an artificial impoundment created by the dam at this location and therefore sediment build-up behind the dam is an ongoing process. The impoundment has not been dredged since 1968 and with 20 years of previous dam removals upstream (over 12,000 cubic yds sediment removed upstream) it is in need of dredging to improve water quality, habitat and aesthetics within the park area.



Project Status	In progress. The design and permitting will be completed in the 2020-2021 allowing for Marine & Environmental to apply for construction funding for the construction.
Town Meeting/Acct #	Fall 2019 Town Meeting 2019F4I-583050 (\$101,000 Environmental Fund)

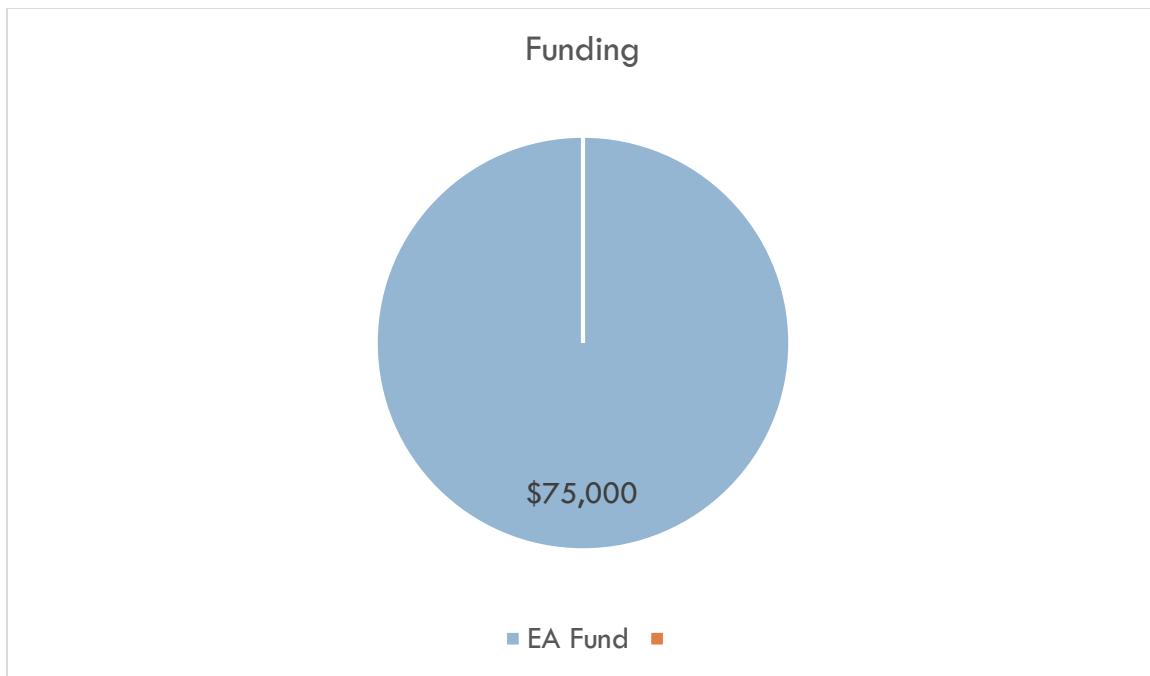
Holmes Dam Removal Sediment Disposal

Funding:

Environmental Affairs Fund-\$75,000

Grants: Note that over 3 Million in grants were received as part of this project, however, not calculated in this report.

Due to the increasingly difficult identification of a final disposal site for contaminated materials (sediment) as well as ever-increasing costs for disposal of these materials this funding will be used towards the trucking and disposal of the sediment. Constant changes in the marketplace relative to available landfill space and the associated costs for disposal have resulted in significantly higher costs.



Project Status	In progress. The Town is currently contracted with disposal company to haul and dispose of the sediment material.
Town Meeting/Acct #	Fall 2019 Town Meeting 2019F4K-588699 (\$75,000 Environmental Fund)

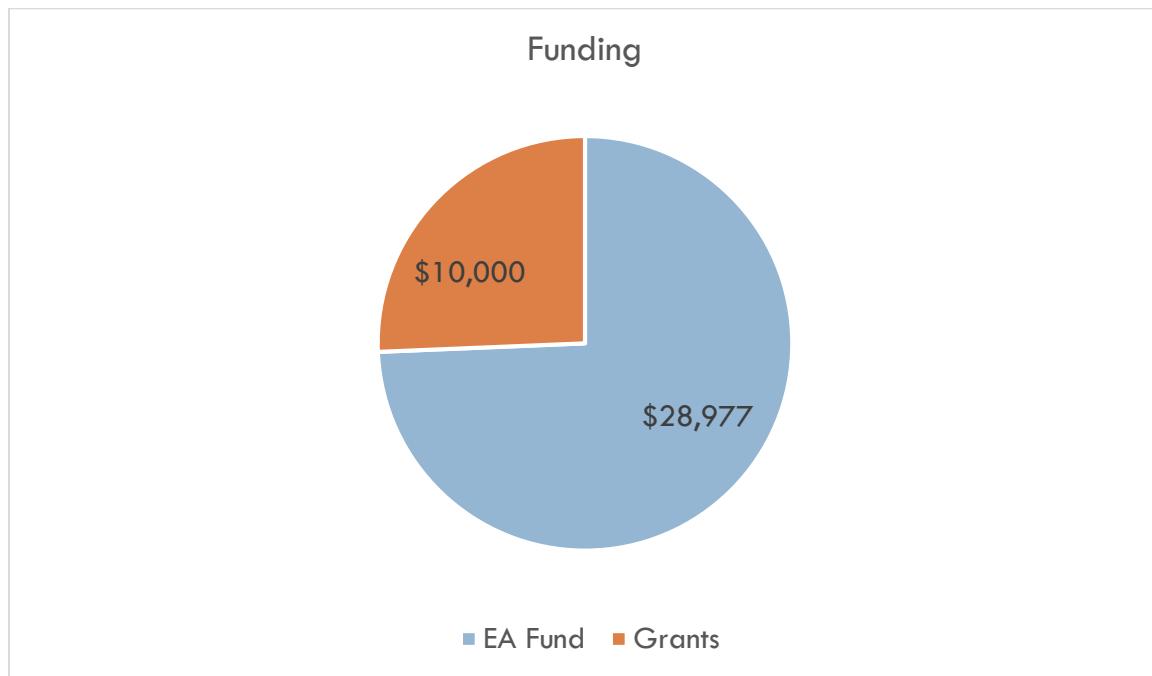
Savery Pond Watershed Model

Funding:

Environmental Affairs Fund-\$28,977

Grant Local Watershed - \$10,000

Savery Pond has experienced several cyanobacteria blooms and this study will help identify causes and identify recommendations to improve water quality in the pond that discharges into Ellisville Marsh and ocean.



Project Status	In progress. This project is under contract and work started in November of 2019 with data collection in 2020 and final report completed mid 2021.
Town Meeting/Acct #	Fall 2019 Town Meeting 2019F4L-580030 (\$28,977 Environmental Fund)

Water Street Revetment & Parking Lot Cap

Funding:

Environmental Affairs Fund-\$240,000 approved used

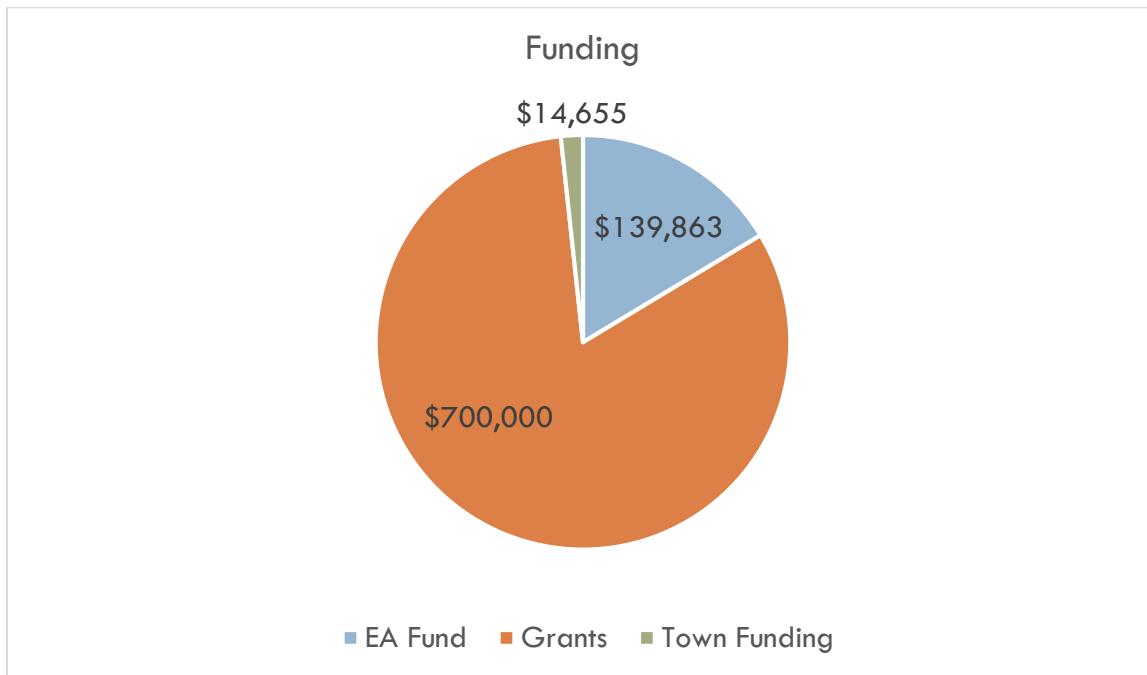
\$139,863 (\$100,137 returned to EA fund as costs under budget)

Town Funding - \$14,655

Grant EPA Brownfields - \$600,000

Grant PGDC - \$100,000

This project achieved a DEP permanent solution by capping the contaminated material and preventing it from entering Plymouth Harbor.



Project Status	This project has been completed. The parking area has been capped and paved, new stormwater system and new seawall with barrier.
Town Meeting/Acct #	Fall Town Meeting 2018. Article 4G 2018F4G-583060 (\$240,000 Environmental Fund approved utilized \$139,863, \$14,655 TM)

Feasibility for Jenney Pond By-Pass

Funding:

Environmental Affairs Fund- \$36,680

Completing the feasibility study for the by-pass will leverage grant funding for design and construction phases of this project. The bypass will enhance tourism and public outreach as well as providing fish passage around the existing dam.



WILL LEVERAGE \$800,000+ IN GRANTS TOWARD DESIGN/PERMITTING AND CONSTRUCTION
As of this report, leveraged \$50,000

Project Status	Completed. Milone and MacBroom Inc, the Engineer has completed this study. Marine & Environmental Affairs has been applying for grants for design, permitting and construction.
Town Meeting/Acct#	Spring Annual Town Meeting 2018 20189A22-580012 (\$36,680 Environmental Fund)

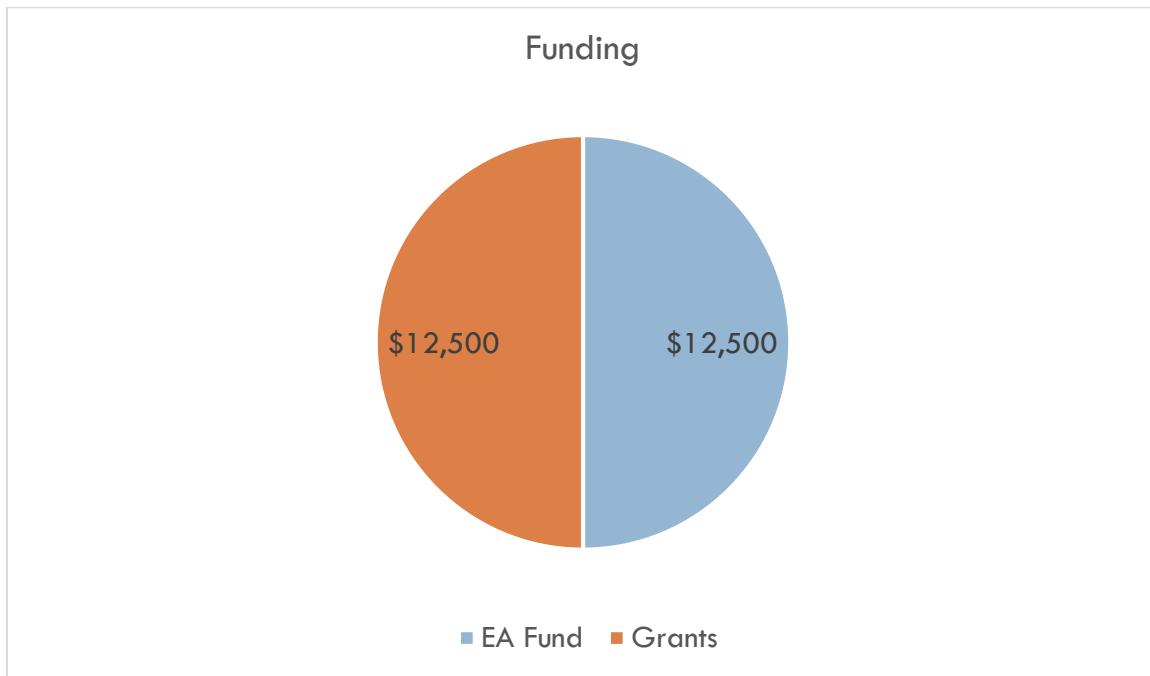
Red Pine Barren Removal

Funding:

Environmental Affairs Fund- \$12,500

Grant thru SEMPBA - \$12,500

Removal of the dead red pines will promote new pitch pine growth habitat.
Collaboration with Southeastern Massachusetts Pine Barren Alliance.



Project Status	Completed. Project was completed in January of 2020.
Town Meeting/Acct #	Spring Annual Town Meeting 2018 20189A16-583000 (\$12,500 Environmental Fund)

Town Brook PIT-Tag

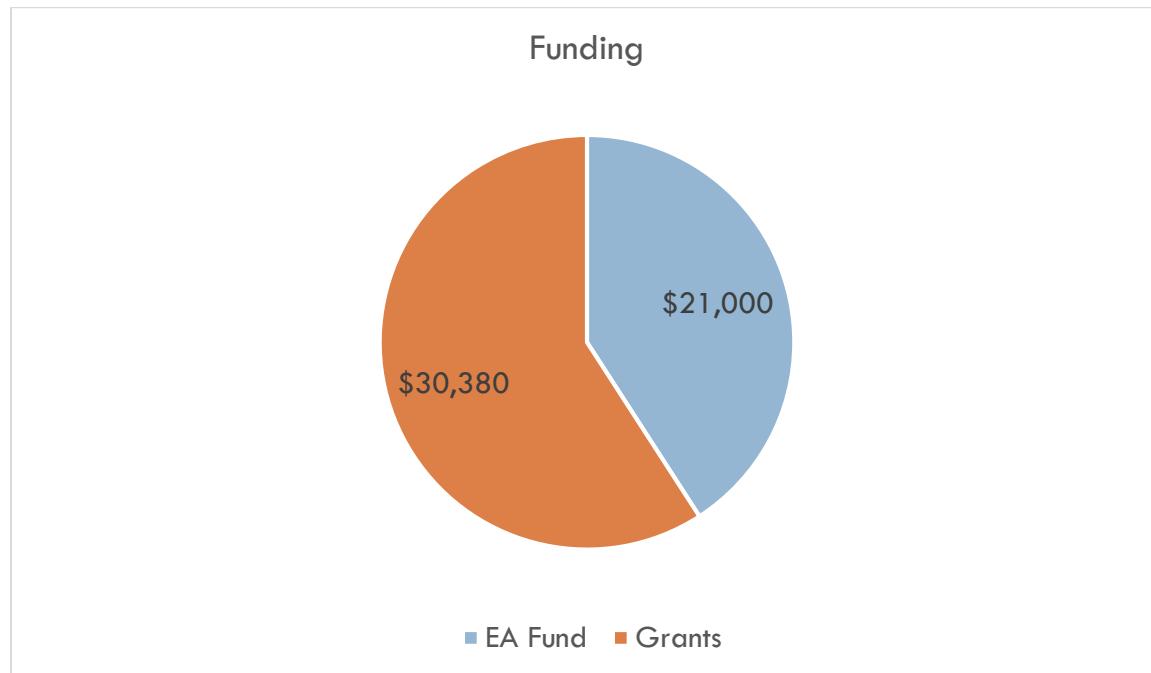
Year 1

Funding:

Environmental Affairs Fund-\$21,000

Grants-USFW\$15,000,USGS \$10,000,Entergy \$4,000,NOAA \$1380, USFWS Year 2 \$10,000

This project will allow for the analysis of the town brook herring run and efficiency of the run including Jenney Pond Dam and Holmes Dam. Holmes Dam was removed and a post PIT-tag will be conducted. The work completed in Year 1 will aid the Town in obtaining grant funding for construction of the bypass at Jenney Pond Dam.



Project Status	Year 1 of the PIT Tag project is completed. The project was implemented prior to the dam removal at Holmes Playground dam and included several antennas along Town Brook. It allowed for the evaluation of how many herring were able to get to their spawning grounds and how the dam and fish ladder at Jenney Grist Mill.
Town Meeting/Acct #	Fall 2018 Town Meeting 2017F4E-530005 (\$21,000 Environmental Fund)

