

PARK VIEW CANAL ACTION PLAN

ABOVE GROUND VISIBLE SOURCES						
Source	Community Feedback	Action	Status	Timeline	Budget Enhancement	Department
Animal waste						
Dog waste		<ul style="list-style-type: none"> Extending the installation of signage and doggie bag/bin stations east through Collins Avenue & Ocean Terrace. (UM) 	Ongoing	Short-term	Funding needed	PWD
		<ul style="list-style-type: none"> Expand public outreach and education to include Spanish (i.e. signs). (CMB) 	Pending	Short-term	Existing funds	E&S/Comm
	Mixed feedback from the community regarding the support of the dog park.	<ul style="list-style-type: none"> Complete Dog Park construction (pre-planned Capital Improvement Project). Vegetation buffer to be installed at the park to prevent dog waste from entering the canal. 	Pending	Short-term	Existing funds	Parks
Waste from birds, iguanas, & other wildlife		<ul style="list-style-type: none"> Continue to remove animal feeding areas 	Ongoing	Short-term	Existing funds	Parks
		<ul style="list-style-type: none"> Add signage advising the public not to feed wildlife 	Pending	Short-term	Existing funds	Parks
		<ul style="list-style-type: none"> Have staff monitoring the park 	Pending	Short-term	Existing funds	Parks
		<ul style="list-style-type: none"> Enforce park hours of operation 	Pending	Short-term	Existing funds	Parks
Homeless						
Human waste near the waterway		<ul style="list-style-type: none"> Increase homeless outreach monitoring in Park View Park 	Ongoing	Short-term	Existing funds	Homeless Outreach/PD
		<ul style="list-style-type: none"> Continue to relocate and provide assistance to homeless personnel 	Ongoing		Existing funds	Homeless Outreach/PD
Trash & Litter						
Litter		<ul style="list-style-type: none"> North Beach campaign/outreach 	Pending	Short-term	Existing funds	E&S
		<ul style="list-style-type: none"> Addition of rain domes to public trash bins to minimize leakage* 	Ongoing	Short-term	Existing funds	PWD
		<ul style="list-style-type: none"> Increase frequency of cleaning public trash bins* 	Ongoing	Short-term	Funded	PWD
		<ul style="list-style-type: none"> Increase code enforcement personnel monitoring the island* 	Ongoing	Short-term	Existing funds	PWD

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Sediments & Debris		<ul style="list-style-type: none"> • Increase mechanical street sweeping and hand crew cleaning* 	Ongoing	Short-term	Existing funds	PWD
		<ul style="list-style-type: none"> • Conduct more frequent construction site inspections in North Beach 	Ongoing	Short-term	Existing funds	E&S

*The City has already taken the following steps:

- Added rain domes to the public trash bins to minimize leakage
- Increased the frequency of hand crew cleanings from once a week to twice a week. These crews clean debris from sidewalks, gutters, and the right-of-way.
- Increased the frequency of mechanical street sweeping on Park View Island to twice per week.
- Increased the cleaning of public litter cans to twice day from once a day (7 days a week).

Nutrients and Pollutants						
Fertilizer		<ul style="list-style-type: none"> • Increase public education on fertilizer use and proper disposal of yard debris 	Pending	Short-term	Existing funds	E&S
		<ul style="list-style-type: none"> • Installation of signs along Park View Park 	Pending	Short-term	Existing funds	E&S
Grease Traps	Community member feedback that pollution related to grease traps was an issue in South Beach	<ul style="list-style-type: none"> • Increase grease trap inspections in North Beach and coordination with DERM.* 	Ongoing	Short-term	Existing funds	Building/DERM

*The City's Building Department conducted grease trap inspections in the whole 81 acre area that flows into the Park View canal. There are a total of 51 grease traps documented in this area that have Grease Discharge Operating permits. During the inspections they found that the majority of the food service establishments in this area are complying with permit and maintenance requirements. The transporters are DERM certified and must discharge the solids from the grease traps at Black Point waste water treatment plant. Permittees and transporters report electronically every time the grease trap is cleaned. In addition, DERM regularly sends out their FOG inspectors for complaint reports such as backups or overflows, etc.

Runoff						
Eroded shoreline		<ul style="list-style-type: none"> • Improve living shoreline to provide additional treatment of direct runoff to the waterway. • The living shoreline project will remove invasive vegetation, repair and rehabilitate damaged seawalls, and mitigate coastline erosion. 	Pending	Long-term	Applied for \$11.5M NOAA Transformational Habitat Restoration and Coastal Resilience Fund. (Pending)	E&S/ PWD

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BELOW GROUND NON-VISIBLE SOURCES						
Source	Community Feedback	Action	Status	Timeline	Budget Enhancement	Department
Stormwater Conveyance System						
Sediment & Debris		<ul style="list-style-type: none"> More frequently clean out excessive sediment and debris accumulated in system. 	Pending	Short-term		Public Works
	The community has expressed that stormwater upgrades must be addressed immediately to include treatment of pollutants	<ul style="list-style-type: none"> Upgrading the storm water system to treat for contaminants. Implementing blue-green infrastructure in storm water improvement projects. Neighborhood Improvement Project (North Shore D & Town center) from 69th street – 73rd street.* 	Pending	Long-term	\$10M Florida Resilient Grant	Public Works
<p>*\$10M grant agreement executed for the design of the North Shore D improvements. This will include new storm water conveyance, new water quality treatment, and new pump stations and outfalls. Furthermore, the City has applied to multiple grants to continue making improvements, including one for improvements to the living shoreline at the Park View Island park area.</p>						
Trash		<ul style="list-style-type: none"> Installation of trash racks at pump stations. Installation of trash filters at curb and gutter inlets. Installation of bar racks upstream of outfalls. 	Pending	Short-term		Public Works
Private Outfalls		<ul style="list-style-type: none"> Make sure private outfalls are being regulated and addressed by DERM upon recertification. 	Ongoing	Long-term		Public Works/DERM
Cross-Connections		<ul style="list-style-type: none"> Repair and line sewer pipes to avoid cross contamination with the stormwater system.* 	Ongoing	Long-term		Public Works
<p>*The City has been conducting work towards reducing infiltration and inflow into the sanitary sewer system. The focus has been on rehabilitating manholes, gravity mains, and laterals. Techniques utilized include night flow isolation, camera inspections, manhole inspections, and smoke testing. A study specific to Park View Island found multiple gravity sewer pipes in need of cleaning and repair. These pipes have been repaired by lining the sewers to reduce leaks.</p>						

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Sanitary Sewer System						
Sewer Overflows		<ul style="list-style-type: none"> Frequently inspect manholes for potential backups. 	Ongoing	Long-term		Public Works
	Members of the community strongly believe that the water quality issues in the Park View Canal are due to leaks in the sanitary sewer system.	<ul style="list-style-type: none"> Continue the search for any sanitary sewer leaks in the system and test the pressurized sewer system. 	Ongoing	Long-term		Public Works
		<ul style="list-style-type: none"> Rehabilitate areas with excessive infiltration and inflow and lining sanitary sewer pipes known to have excessive infiltration. 	Pending	Long-term		Public Works
		<ul style="list-style-type: none"> The City is going to coordinate with DERM to install “smart” manholes that issue alerts when backups occur. 	Pending	Short-term		Public Works
		<ul style="list-style-type: none"> Upgrade the sanitary sewer system to minimize leaks and breaks.* 	Pending	Long-term		Public Works
<p>*The City has done the following tests and repairs:</p> <ul style="list-style-type: none"> Gravity sewer trenchless rehabilitation at Park View Island (lining about 90% of pipes and 30% of manholes) Sanitary sewer PS 23 Maintenance 18 ARV replacements along Sewer PS 23 and PS 24 <p>Sanitary sewer PS 19 discharge force main replacement</p>						
Lack of flushing						
Shallow water depths		<ul style="list-style-type: none"> Improve circulation through dredging of the Park View Canal. (E&S) Focus efforts on better understanding the hydrology of the canal. 	Pending	Mid-term	\$500,000 allocated for required surveys (E&S)	E&S
Contaminated sediments		<ul style="list-style-type: none"> Dredging will also aid in removing contaminated sediment in the canal. (E&S) 	Pending	Mid-term		E&S
High Bacteria Levels	Conduct weekly water quality	<ul style="list-style-type: none"> Aggressive water quality testing 				E&S

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	testing whenever an improvement has been made to determine whether efforts are working or not.					
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