

Estimate of Potential Costs for Blue Flag Compliance - One Site on Lake Ontario Beach (Van Wagner's Beach)					
Environmental Education and Information		Staff resource needed	City Div. Lead	Estimated Funding need	Comments
1.	Information about the Blue Flag program must be displayed	No	Environmental Services (ES)	\$5,000	Signage, locations, podiums, flag pole
2.	Environmental education initiatives must be offered and promoted to beach users	Yes	Environmental Services (ES)	\$10,000	Grant or City program to be coordinated and held
3.	Information about recreation water quality must be displayed	No	Public Health (PH)	\$2,000	Public Health Program in place
4.	Information about the local ecosystem must be displayed	No	Environmental Services (ES)	\$5,000	Research, design of panels, fabrication/installation
5.	A map of the beach indicating different facilities must be displayed	No	Environmental Services (ES)	\$2,000	Design of maps, fabrication and installation
6.	A code of conduct that reflects appropriate laws governing the use of the beach and	No	Environmental Services (ES)	\$1,000	Review of existing Rules and Reg. signage that is applicable. Fabrication and installation at several locations.

	surrounding areas must be displayed				
			Estimated Costs	\$25,000	
Water Quality		Staff resource needed	City Div. Lead	Estimated Funding need	Comments
1.	The beach must comply with the water quality sampling and frequency requirements	No	Public Health Services (PHS)	No additional funding needed	Public Health Services conducts annual environmental surveys and weekly routine beach water sampling during the operating season per the Recreational Water Protocol, 2019 and Operational Approaches for Recreational Water Guideline, 2018.
2.	The beach must fully comply with the requirements for water quality analysis	No	Public Health Services (PHS)	No additional funding needed	Public Health Services conducts annual environmental surveys and weekly routine beach water sampling during the operating season per the Recreational Water Protocol, 2019 and Operational Approaches for Recreational Water Guideline, 2018.
3.	No industrial, wastewater or sewage related discharges should affect the beach area.	No	Public Health Services (PHS)	No additional funding needed	Public Health Services conducts annual environmental surveys of the physical beach area to identify changes to existing structures, installation of new structures (e.g., drainage lines, storm water outfalls, signs, etc.), changes in beach landscape that affects runoff, potential pollution sources, garbage or debris collection, and any other

					environmental factor that has the potential to impact water quality, water safety, and/or public health per the Recreational Water Protocol, 2019 and Operational Approaches for Recreational Water Guideline, 2018.
4.	The beach must comply with the Blue Flag microbiological standards for Escherichia coli (E.coli) and intestinal enterococci (streptococci).	No	Public Health Services (PHS)	\$700	Private Lab cost associated with shipping and testing for intestinal enterococci at least 5 times per season. Public Health Services conducts weekly routine beach water sampling during the operating season for Escherichia coli (E.coli) only via <u>Public Health Ontario Lab.</u>
5.	The beach must comply with the Blue Flag requirements for the following physical and chemical parameters	No	Public Health Services (PHS)	\$375	Private Lab cost associated with shipping and testing for a chemical parameter such as pH at least 5 times per season. Public Health Services conducts weekly routine beach water sampling during the operating season for Escherichia coli (E.coli) only via <u>Public Health Ontario Lab.</u>
			Estimated Costs	\$1,075.00	

Environmental Management		Staff resource needed	City Div. Lead	Estimated Funding need	Comments
1.	The local authority/beach operator must establish a beach management committee	Yes	Environmental Services (ES)	N/A	Staff resource to be identified based on input with Swim Drink Fish
2.	The local authority/beach operator must comply with all regulations affecting the location and operation of the beach.	No	Environmental Services (ES)	N/A	
3.	Sensitive areas must be managed accordingly	Yes	Environmental Services (ES)	\$10,000	Consultant to be retained to review and prepare management plan. Any actions identified in this plan will be reviewed and added to the capital/operating budgets as needed.
4.	The beach must be clean.	No	Environmental Services (ES)	.33 Full time employees \$11,025.00	Enhanced cleaning schedule 1 x .33 (student)
5.	Seaweed or natural debris must be left on the beach	No	Environmental Services (ES)	N/A	

6.	And adequate number of garbage bins must be available at the beach. They must be regularly maintained.	No	Environmental Services (ES)	Full time employees noted above	Enhanced cleaning
7.	Recycling bins must be available at the beach	Yes	Waste Management. (WM)	\$1,740 per year	<p>The collection pricing for this in 2023 dollars is per month, for recycling carts to be collected twice per week.</p> <p><i>* Provincial legislative changes will directly impact the collection of blue box materials in Hamilton as our City will be transitioning to Producer responsibility as of April 1, 2025. This means all blue box collection, transfer, disposal, and processing in Ontario will be hived off from municipal contracts and Producers of recyclable packaging will be the new owners and managers of this recycling diversion program. The Waste Free Ontario Act is the provincial legislation that dictates this change in authority and how it will be managed – one thing to note is that Producers are only required to manage "eligible" properties. Van Wagner's Beach is not eligible for Producer responsibility recycling</i></p>

					<i>collection and as a result the future collection of recyclables at this beach will need to be procured for and paid for privately as early as April 1, 2025, in the event Council refuses to continue to collect ineligible sources.</i>
8.	The beach must have an adequate number of toilet or restroom facilities	No	Environmental Services (ES)	N/A	Accessible washrooms available. To review against Swim Drink Fish criteria.
9.	The restroom facilities must be kept clean.	No	Environmental Services (ES)	Full time employees noted above	Enhanced cleaning schedule
10.	The toilet or restroom facilities must have controlled sewage disposal.	No	Facilities	N/A	
11.	Camping, driving and dumping are prohibited on the beach	No	Environmental Services (ES)	N/A	Ensure regulation sign has this added
12.	Domestic animals must be prohibited from the beach	No	Environmental Services (ES)	N/A	Ensure regulation sign has this added/additional signage can be added
13.	All buildings and beach equipment must be appropriately maintained	No	Environmental Services (ES)	N/A	Washroom managed by Parks staff
14.	Marine and sensitive	Yes	Environmental Services (ES)	\$15,000	Consultant may be required to provide a review and management

	freshwater habitats in the vicinity of the beach must be monitored				plan. Any actions identified in this plan will be reviewed and added to the capital/operating budgets as needed. Those capital/operating costs are not known at this time and will vary from site to site.
15.	A sustainable means of transportation should be promoted to the beach area	no	N/A	N/A	Existing trail network, Hamilton Street Railway to Park
			Estimated Costs	\$37,765.00	
Safety and Services		Staff resource needed	City Div. Lead	Estimated Funding need	Comments
1.	Appropriate public safety control measures must be implemented	Yes	Recreation (REC)	4.1 Full time Employees \$257,053	Estimated costs for staffed and equipped lifeguarded beach area
2.	First aid equipment must be available on the beach	Yes	Recreation (REC)	\$107,900	Tower, Lifesaving Equipment, signage, markers/buoys, motorized vessel, supplies
3.	Emergency plans to cope with pollution risks must be in place.	No	Environmental Services (ES) / Public Health	N/A	To be discussed in future with approval agency Swim Drink Fish
4.	There must be the management of different users and uses of the beach	Maybe	Environmental Services (ES)	Full Time employees noted for Environmental Services	Staffing of the park is ongoing and to be enhanced should the program be approved in future steps.

	to prevent conflicts and accidents.				
5.	There must be safety measures in place to protect users of the beach.	No	Environmental Services (ES)	N/A	
6.	A supply of drinking water should be available at the beach.	No	Environmental Services (ES)	\$65,000.00	Check for locations and proximity. Approximately 65k to add a new water service. Subject to conditions, estimate may vary. Additionally, \$2500.00 annually will be required to operate the new asset.
7.	At least one Blue Flag beach in each municipality must have water access and facilities for the physically disabled.	No	Environmental Services (ES)	\$15,000.00	Additional beach mats that enhance accessibility and maybe floating wheelchair may be needed. Other Accessibility for Ontarians with Disabilities Act (AODA) additions to be investigated
			Estimated Costs	\$444,953.00	
	Membership Fee				
	Blue Flag Annual Membership Fee			\$1,560.00	Per beach/per year
	Total Estimated Cost		Total	\$510,358.00	