

Confederation Basin - 2023

Site Information and Background:

General Information:

Name: Confederation Basin

Location: Waterfront Pathway, Kingston, ON, K7L 0A1, Canada (Pathway Adjacent)

- Co-ordinates: 44.2260°N, 76.4812°W

Year of Identification: 2020

Responsible Authority: Swim Drink Fish Canada - Kingston Water Monitoring Hub

Monitoring Points: Figure 1 (appendix)

Waterbody Information:

Waterbody type: Freshwater, River (Between St. Lawrence River and Great Cataraqui River, Kingston Harbour)

Watershed: Figure 2 (appendix)

Annual Precipitation for Watershed (mm): 41.12 mm (1.62 inches)

Surrounding Land Use: List all that apply below

- Residential
 - Royal George (Condominium Complex): *5 Gore St, Kingston, ON K7L 0A1*
 - Landmark Residences (Apartment Building): *165 Ontario St, Kingston, ON K7L 2Y6*
 - Locomotive Works (Apartment Building): *85 Ontario St Suite 102, Kingston, ON K7L 5V7*
 - Carruthers Wharf (Apartment Building): *135 Ontario St, Kingston, ON K7L 0A5*
- Harbour
 - Confederation Basin Marina: *6 Clarence St, Kingston, ON K7L 5H8*
- Parkland
 - Battery Park: *Waterfront Pathway, Kingston, ON K7L 0A1*
 - Picnic areas and benches
 - Paved pathways (Waterfront Pathway and Rideau Trail)
 - Green spaces with sparse trees and shrubbery
- Commercial
 - Residence Inn by Marriott Kingston Water's Edge: *7 Earl St, Kingston, ON K7L 0A4*
 - Telecom Metric Incorporated: *2 Gore St, Kingston, ON K7L 2L1*
 - DocuPet: *2 Gore St, Kingston, ON K7L 2L1*
 - Marine Museum of the Great Lakes at Kingston: *55 Ontario St, Kingston, ON K7L 2Y2*
 - Delta Hotels by Marriott Kingston Waterfront: *1 Johnson St, Kingston, ON K7L 5H7*
- Parking Lots

- Residence Inn Parking Lot
- Royal George Parking Lot
- Gore Street Parking zone

Residential Use Summary:

The Confederation Basin is surrounded by four apartment buildings and one condominium complex. Multiple apartment buildings and houses are located uphill from Confederation Basin along Gore Street and William Street.

Harbour Use Summary:

As the Confederation Basin is an enclosed area of water connected to the Confederation Basin Marina, there is an increased risk of nonpoint source pollution from boats and other harbour activities, such as the failure of wastewater pumps. Boat maintenance and discharge may contribute to samples of poor water quality in the area. The marina may also contribute to litter and other debris from members and visitors of the harbour.

Commercial Use Summary:

The Confederation Basin is close to Downtown Kingston, Ontario, so commercial buildings and corporations are nearby. Two hotels located directly on the waterfront within the zone of influence contribute to tourism that may increase litter and other chemical or biological waste. The commercial companies around the basin could also contribute industrial waste into the water and have the potential for chemical runoff.

Parkland and Parking Lot Use Summary:

Battery Park is located along the edge of the sampling site. The park includes a portion of pavement connected to the Residence Inn and Royal George parking lots and pathways (Waterfront Pathway and Rideau Trail), which can increase the amount of stormwater runoff in the area.

Upstream Pollution Risks:

A few potential upstream pollution risks would be significant to the area's water quality. Stormwater runoff from the marina, docks, waterfront hotels, and parkland could pose a threat. Potential discharge and contamination from Point Fredrick and the Royal Military College of Canada could also pollute Confederation Basin.

It is also worth noting that Kingston's Inner Harbour is upstream from Confederation Basin, which could impact the area's quality. There is a significant risk of CSOs near Doug Fluhrer Park that has the potential to impact the site. Additionally, previous land use of the area has contaminated the sediment and could influence the water quality if carried into the basin.

Potential Sources of Pollution:

1. Microbiological Hazard Assessment

Potential Sources of Fecal Contamination

- Combined Sewer Overflows (CSOs) (Figure 3)
 - A potential source of fecal contamination at this site is overflow of the four combined sewer outfalls in the area. William Street and Gore Street are the closest outfalls within the vicinity of the Confederation Basin shoreline. There are an additional two Barrack Street and Clarence Street which may impact the water quality in the area further. Historical data from Utilities Kingston's sewage overflow log suggest that CSOs in the Kingston area occur largely after heavy rainfall, as well as from power failure and equipment malfunctions (Tables 1 and 2 - appendix).
 - As of June 6, 2023, the most recent CSO occurred in April, 2023.
 - Currently, no data is available listing historical overflows at specific CSO locations in Kingston.

- Waste tanks of boats at Confederation Basin Marina
 - The Confederation Basin Marina may have waste tanks on site within the boats at the harbour which could impact the water quality and contamination in the area. These have the potential to pose a microbiological hazard for the area if improperly managed and maintained.

- Stormwater Runoff from:
 - Parking Lots
 - There are a total of three parking areas near which could impact the water quality along the shoreline at Confederation Basin. Each area has a significant amount of grey space and is located uphill from the shoreline. This can contribute to fecal matter entering the water during significant rainfall.
 - Battery Park Adjacent to the Shoreline
 - The parkland next to the waterfront has several paved pathways and large areas of paved space which can impact microbiological contamination from runoff.
 - Roads
 - Gore Street and William Street come out into the shoreline of Confederation Basin. As they are on a steep incline, with the shoreline directly at the base, the potential for stormwater runoff is high.

Other Environmental Sources of Fecal Contamination

- Birds
 - There was an average number of birds and bird fecal noted during site visits to Confederation Basin. However, the total amount of fecal matter is unknown due to low visibility in and around the large rocks along the shoreline.
 - Some of the birds identified included: ducks, seagulls, pigeons, and red-winged blackbirds. The highest concentration noted was of ducks and seagulls. .
- Other Wild Animals
 - Additional forms of wildlife were observed during site visits each of which could contribute to fecal contamination in the area.
 - Animals noted included: squirrels, muskrats, and snakes.
- Pets
 - There was a high frequency of pets noted in the area during each visit to Confederation Basin. The surrounding residential and commercial hotel space, as well as grassy areas and pathways, make Confederation Basin shoreline ideal for bringing dogs.
- Swimmers
 - No swimmers were identified at Confederation Basin.

Overall Risk from Microbiological Hazards:

- Combined Sewer Overflows (CSOs): **MEDIUM**
 - The proximity of the four CSOs to the shoreline and primary swimming area of Confederation Basin increases the risk of its microbiological impact on the site's water quality. Figure 3 (appendix) shows the close proximity of the CSOs to the swimming area. However, as heavy rainfall is the primary contributor of overflows in Kingston, the weather over the season will be influential in the overall risk factor of CSOs on Confederation Basin's water quality.
 - Currently, no historical data is available detailing if the four outlines combined sewers have experienced significant overflows in the past.
- Waste tanks of boats at Confederation Basin Marina: **LOW**
 - The proximity of this facility to the bathing and swimming area increases the risk level of this hazard for biological contamination of the site. Improper treatment of this waste could result in the accidental dumping of microbiological contaminants into the water, leading to hazardous swimming conditions and effects on visitor health.
- Animal Fecal Matter: **LOW**

- A large bird presence has not been noted for Confederation Basin. Bird fecal matter has also not been noted along the pathways or green spaces in Battery Park. As such, the risk level for microbiological contamination is low. However, the amount of fecal matter on the shoreline cannot be identified due to low visibility from rocks, so an accurate assessment cannot be made.
 - There were only a few other forms of wildlife noted in the vicinity of Confederation Basin, this may be the result of fewer land and aquatic plants in the area. As such, this is of lower risk to the water quality in the swimming area. However, due to the low visibility of the shoreline from large boulders, there may be more fecal matter unaccounted for during site assessments.
 - As noted, 2023 observations of Confederation Basin found a high frequency of pets in the area of Battery Park. This may contribute to the risk of microbiological contamination, which may become of increasing risk during rainfall due to the shoreline being downhill and steep. However, during site assessments, little to no animal pet fecal matter was identified.
- Swimmers: **LOW**
 - No active swimmers were noted, upon visits to Confederation Basin. Furthermore, the site has not been noted as having any other frequent water users (ex. Paddle boarders, kayakers, canoers, etc.) who could microbiologically impact the water quality. Thus, the risk level for microbiological contamination is low.

2. Chemical Hazards

Potential Sources of Chemical Contamination

- Confederation Basin Promenade Construction
 - A potential source of chemical contamination of Confederation Basin is an upcoming construction project to develop the basin breakwalls into accessible waterfront walkways. This development plan is set to include increased seating, lighting, viewing platforms, and swimming zones¹.
 - Planning and testing for the suitability of Confederation Basin for construction occurred between 2022 and 2023. During geotechnical testing for the stability of the breakwall, large machines and equipment were used along the waterfront and on the water's surface².

¹ "Confederation Basin Promenade." *City of Kingston*, 2023, <https://www.cityofkingston.ca/city-hall/projects-construction/confederation-basin-promenade>. Accessed 7 June 2023.

² *Confederation Basin Promenade*. January 2023. *Kingston*, City of Kingston, https://www.cityofkingston.ca/documents/10180/31014488/Projects_Parks_ConfederationBasinWalkway_ProjectUpdate_Dec2022.pdf/ec75fac0-efba-206c-dd74-0c85ef929102. Accessed 7 June 2023.

- Construction of the Confederation Basin Promenade is set to begin in 2023, with the estimated completion being in late 2025.
- Contaminated Sediment
 - As of June 2023, the Government of Canada has identified that there is contaminated sediment within the Kingston's Confederation Basin (waterlot)³. Table 3 (appendix) identifies the types of contamination and the areas priority for action. This contamination of the soil has the potential to negatively impact the water's quality and poses a health risk to swimmers.
 - The chemicals identified include: metals, metalloids, organometallics, PAHs, and PCBs and PCDD/Fs.
 - Contaminated sediment has also been identified in areas close to Confederation Basin, posing a risk for impacts on water quality at this site. These areas are all identified in Figure 4 (appendix). Table 3 (appendix) highlights the chemicals found within the sediment at each location and the areas priority for action.
- Commercial/Industrial Discharges
 - Confederation Basin Marina and Motorized Watercrafts:
 - Potential for chemical impact from Confederation Basin Marina. The marina is located within 100 m of the swimming area. A high frequency of boats can lead to the dumping of chemicals into the water, such as spilled oil and fuel.
 - Hotels:
 - There are several hotels located along the waterfront that may discharge hazardous chemical waste into the water. These hotels include Residence Inn and Delta Hotels.
- Stormwater Runoff From:
 - Parking Lots:
 - Parking areas around Confederation Basin are close to the water's edge. There are three primary parking lots in the vicinity: Residence Inn Parking Lot, Royal George Parking Lot, and Gore Street Parking Zone.
 - Parkland:
 - Paved walking paths at the edge of the entire shoreline allow runoff into the river. Battery Park, adjacent to the Confederation Basin shoreline, has a large decorative paved area in the park's centre, which could further impact chemical contamination through runoff. This paved parkland is also connected to the Residence Inn Parking Lot. Paved runoff is significant due to the large slope of the shoreline's edge into the water.

³ "Kingston Inner Harbour (KIH) Sediment Management Project." Government of Canada, 18 August 2022, <https://iaac-aeic.gc.ca/050/evaluations/proj/83878>. Accessed 2 June 2023.

- Green spaces in the park could affect the water due to fertilizer and pesticide runoff. However, it is not evident if the City of Kingston uses them in this area.
 - Residential:
 - Multiple apartment buildings uphill from Confederation Basin could contribute to chemical contamination from stormwater runoff. Buildings include Royal George (Condominium Complex), Landmark Residences (Apartment Building), Locomotive Works (Apartment Building), and Carruthers Wharf (Apartment Building). John Counter Place (Apartment Building) and The Caravel (Apartment Building), located uphill on Gore Street, may also contribute to contamination from runoff.
 - Commercial:
 - A small garden was observed next to Confederation Basin at DocuPet. The company may use pesticides and fertilizer to maintain the location; however, this is not confirmed.
 - Active Construction Site
 - As of June 2023, an active construction site on Gore Street is uphill from the shoreline. This may lead to stormwater runoff carrying chemical waste and other materials downhill and into the swimming area.

Overall Risk from Chemical Hazards:

- Confederation Basin Promenade Construction: **MEDIUM**
 - Once construction on the Confederation Basin Promenade begins, there is a risk of chemical contamination in the surrounding areas. Construction will directly influence the primary sampling points and swimming areas. Risk of chemical contamination includes: spilled diesel/oil and oil-based fluids, cement, mercury, glues, arsenic, paints, and other debris and toxic chemicals. This poses a significant health hazard for individuals accessing the water and wildlife in the area. However, as this assessment is made in advance of construction beginning, the pollution risk cannot be stated with certainty at this time and can only be inferred.
 - Current construction efforts during geotechnical testing of the break walls could also have impacted chemical contamination in the area.
 - The present risk assessment level is an estimate; a future risk assessment of the site during active construction will be required to accurately measure the area's chemical contamination risk.
- Contaminated Sediment: **LOW/MEDIUM**
 - As the Government of Canada has identified, the contaminated sediment area around Confederation Basin is a medium to high priority for action. These

chemicals can impact visitor health from exposure to the water, as well as from accidental ingestion.

- The interaction and combination of this sediment with chemicals from commercial discharge and stormwater runoff could also pose a risk.
- A remedial action plan for the contaminated sediment within Confederation Basin (00012676) is underway, and long-term monitoring and risk management have been completed/ongoing for the other sites listed. This reduces the risk level of the sediment in the area.
- Commercial/Industrial Discharge: **MEDIUM**
 - The multiple sites of commercial and industrial use around Confederation Basin as of 2023 poses a medium risk to the water quality and visitor health and safety. Confederation Basin Marina and motorized watercraft are of particular concern due to the number of boats in the area (10+) and its proximity to the bathing area. Dumping chemicals from both locations, such as gasoline or motor oil, may impact the water quality.
 - Chemical discharge from hotels near Confederation Basin contributes to the risk level of the site. Residence Inn and Delta Hotels may unintentionally discharge hazardous waste used to maintain and clean the hotel. These include rinse-aids, drain-cleaning products, disinfectants, washing liquids, and dishwasher or laundry detergents. This may contribute to poor water quality, as well as have adverse effects on health and safety for individuals entering the water.
- Stormwater Runoff: **MEDIUM**
 - Confederation Basin's large grey spaces could influence how easily contaminants enter the water due to runoff.
 - The parking lots in the area can potentially accumulate gasoline and other oil-based substances. Most parking areas around Confederation Basin are uphill from the shoreline, increasing the risk hazard.
 - Pesticide and fertilizer use for gardens at nearby commercial buildings and in Battery Park may contribute to chemical contamination in the area.
 - All residential and commercial buildings are uphill from the water, which could impact the chemicals from these areas entering the swimming area due to runoff.
 - Also, multiple active construction sites are located at the top of Gore Street, leading into the water at Confederation Basin. The risk of chemical contamination from construction runoff is high.

3. Other Biological Hazards

Other Potential Biological Hazards

- Cyanobacterial Blooms

- During visits to and assessments of Confederation Basin, no cyanobacterial blooms were detected in the swimming area or the broader zone of influence.
- Schistosomes (Swimmer's Itch):
 - As of June 2023, no cases of swimmer's itch have been reported at Confederation Basin.
- Aquatic Plants
 - A low number of aquatic plants were noted in the assessment of Confederation Basin in 2023. The area has a limited and sparse amount of plants below along the bottom of the subsurface. A complete estimate of the amount of aquatic plants further into the water cannot be noted as the water clarity decreases with distance.
 - Other plants along the shoreline were not noted in significant amounts.

Overall Risk from Other Biological Hazards:

- Cyanobacterial Blooms: **LOW**
 - No cyanobacterial blooms were detected during any of the multiple visits to Confederation Basin. This hazard is of low risk to visitors.
- Schistosomes (Swimmer's Itch): **LOW**
 - No cases of swimmer's itch have been reported at Confederation Basin. This hazard is of low risk to the general public and visitors.
- Aquatic Plants: **LOW**
 - The biological hazard of aquatic plants at Confederation Basin is considered low due to the plants being limited and sparse. However, the specific species of aquatic plants in the basin are unknown so a definitive biological risk assessment cannot be made.

4. Physical Hazards and Aesthetic Considerations

Sources of Subsurface Physical Hazards

- Large Rocks
 - The visible subsurface of Confederation Basin is comprised of large rocks and boulders. The water becomes less visible further into the basin, so the terrain beyond the shoreline is unknown.
- Uneven Bottom

- The large rocks and boulders that make up the water subsurface make the bottom of Confederation Basin uneven and unstable. The rocks are not held together by anything nor positioned in a stable way. The boulders move and shift when disturbed.
- There are also large holes between the rocks which could pose a hazard for visitors getting their feet stuck in-between boulders.

Other Physical Hazards and Aesthetic Conditions

- Steep Slopes and Drop-Offs into the Water Along the Shoreline
 - The shoreline along the water at Confederation Basin has steep slopes and drop-offs, making the water generally inaccessible to the public. The slope is made up primarily of large, unstable rocks and boulders stacked unevenly on each other. There is no place to access the water that does not have these rocks.
 - In some areas, the shoreline is increasingly unstable and completely inaccessible to the general public.
- Litter on Beach
 - There was minimal litter in the area when site visits were conducted. Most debris found was identified between rocks and boulders. Some items included a medical mask, plastic bags, and a plastic water bottle.
 - Little to no floating debris was identified when conducting site visits in May and June 2023.
 - The lack of litter in the area can be partially attributed to the significant amount of garbage cans in the area and a lack of visitors going into the water or using the shoreline.
- Automobiles Near the Shoreline
 - There are a few parking lots located within the vicinity of Confederation Basin. One is located directly adjacent to the shoreline and is used for residential and commercial purposes. There are also two on the primary shoreline's right and left sides.
 - The Gore Street parking area is located on a steep incline, which could impact the runoff in the area.
- Boats and Watercrafts Near Shoreline
 - The site is next to the Kingston Marina and MetalCraft Marine Shipbuilding Yard. This results in a high volume of boats and watercraft in the area, and since there is no marker in the water to indicate the proximity of boats to the bathing area, this can become a hazard for swimmers.

Overall Risk from Physical Hazards:

- Large Rocks and Uneven Bottom: **HIGH**
 - The boulders and uneven water subsurface at Confederation Basin make the entire area inaccessible to the general public and pose a significant safety hazard. The large rocks are unstable and can result in slipping and injury when stepped on. The subsurface also poses a drowning risk, as swimmers could get their feet stuck in holes along the water's bottom.
- Steep Slopes into the Water Along the Shoreline: **HIGH**
 - The shoreline of Confederation Basin poses a high safety risk for the public, as the steep slopes comprise the entire waterfront. The boulders and rocks that make up the shoreline are unstable and do not allow access to the water. Furthermore, no guardrails exist along the top of the slopes, which could result in further injury to visitors due to falling or other accidents. Extreme caution is required when near the shoreline.
 - There is also a risk of injury due to large holes and gaps between rocks and slopes. This could pose a hazard for injury and safety due to tripping, falling, and slipping.
- Litter on the Beach: **LOW**
 - The identified litter on the beach does not pose a significant risk to the general public. It is sparse enough that there should be little impact as a health hazard for visitors.
- Automobile Near the Shoreline: **LOW**
 - Automobiles near the shoreline are low risk to the general population and those visiting the swimming area. The parking lots to the left and right of the shoreline pose an increased risk of chemical contamination due to uphill runoff, so they are not physical hazards.
- Boats and Watercrafts Near the Shoreline: **LOW**
 - There are no indicators for boats and other large watercraft regarding the proximity they are allowed to be to the shoreline and swimming areas. This may result in injury to swimmers and other accidents from boats being too close to the bathing area. However, the primary swimming area is located at the corner of one of the basin walls where watercrafts would not enter.

Facilities and Provisions:

Facilities:

Toilets: No public washrooms available at this site.

Showers: No public showers available at this site.

Drinking Water Fountains: No public drinking water fountains available at this site.

Litter Bins: Eleven.

Recycling Bins: No recycling bins available at this site.

Access for Persons with Disabilities: There is no access to the water at this site for people with disabilities.

Safety Provisions:

Lifeguard Station: No lifeguard stations at this site.

Life Saving Equipment: No life saving equipment available at this site.

Emergency Telephone: No

First Aid Station: No

Beach Postings/Suitability for Swimming: No

Emergency Contact Information: No

Other Information:

Reporting Mechanisms:

- Call the MOECC - Spills Action Centre
 - Public pollution reporting hotline - Toll-free: 1-866-MOETIPS (6638477). Available 24/7.
- City of Kingston: Spills and Environmental Incidents Reporting
 - 613-546-4291 ext. 1368 or 1249 (during normal operating hours)
- Swim Drink Fish - (416) 861-1237

Where to find the water quality results:

- Call Kingston Public Health: (613) 549-1232
- Swim Drink Fish - 416-861-1237

Contact Details for EHSS information:

- Taylor Villa (taylor@swimdrinkfish.ca)

Recommendations:

Assessment of the adequacy of safety provisions and physical barriers

The Confederation Basin is located alongside a popular waterfront trail and has a steep and uneven shoreline that could pose a risk to the safety of civilians and pets. There are limited, if no, safety provisions and physical barriers in place (only sparse chain rope blockages) to prevent falling into the basin. As well, there is a lack of emergency equipment, such as a safety ring or first-aid kit, available to the public. Updated safety provisions and facilities are recommended for the public to mitigate or prevent accidents.

Appendix:

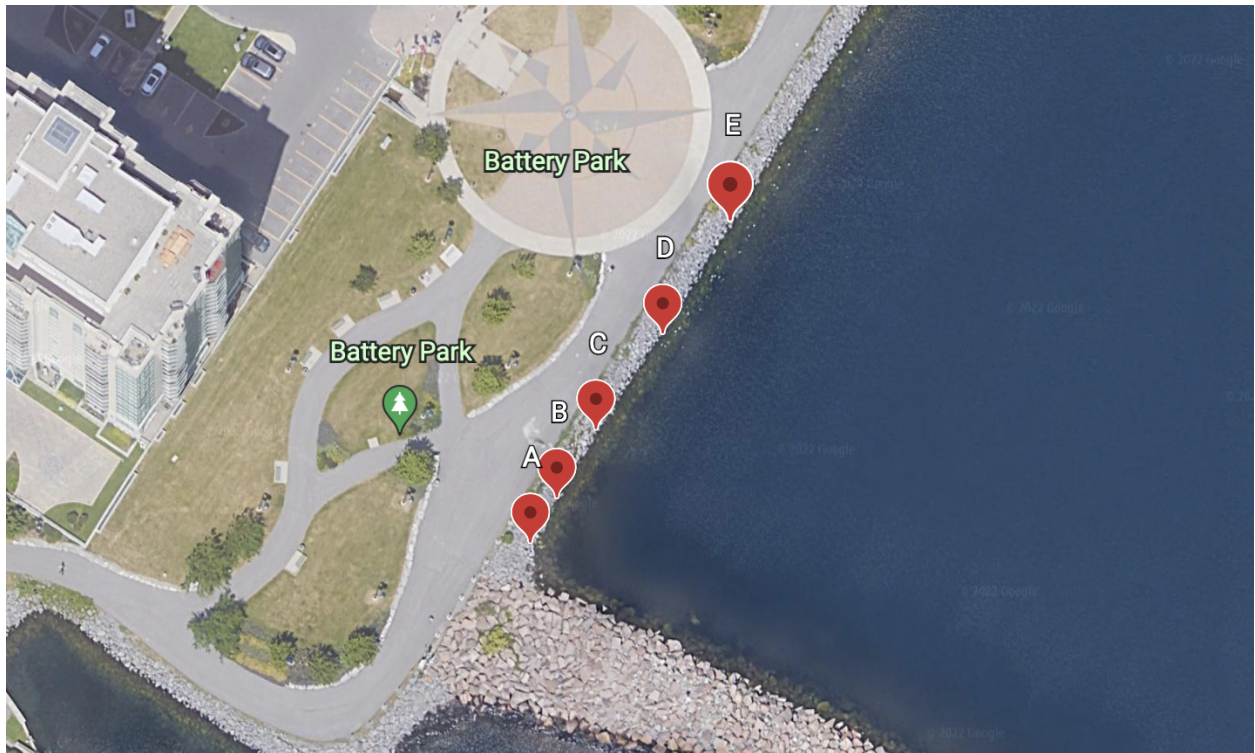


Figure 1 - Monitoring Points: Confederation Basin monitoring sites A to E (red).

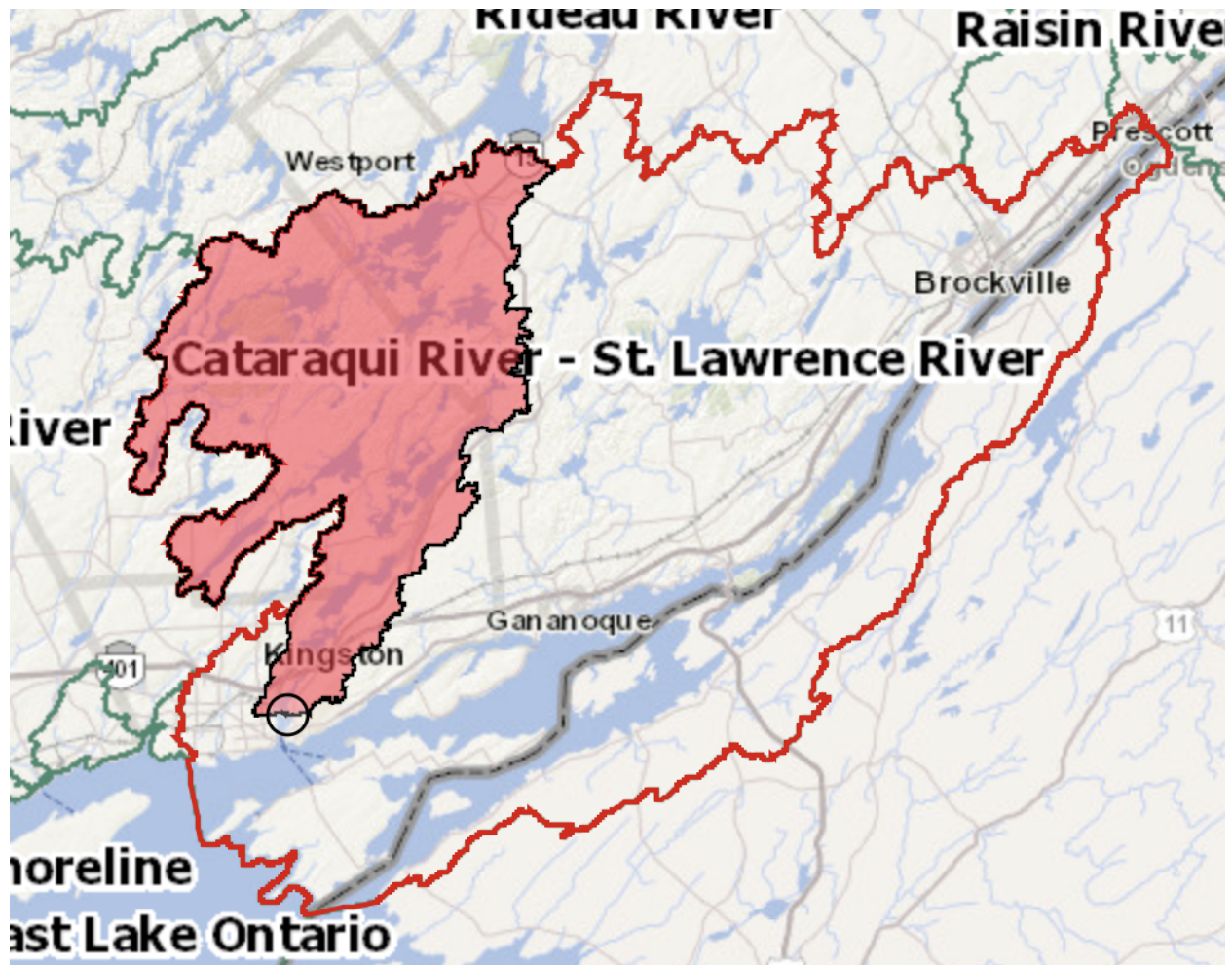


Figure 2: Watershed for Confederation Basin

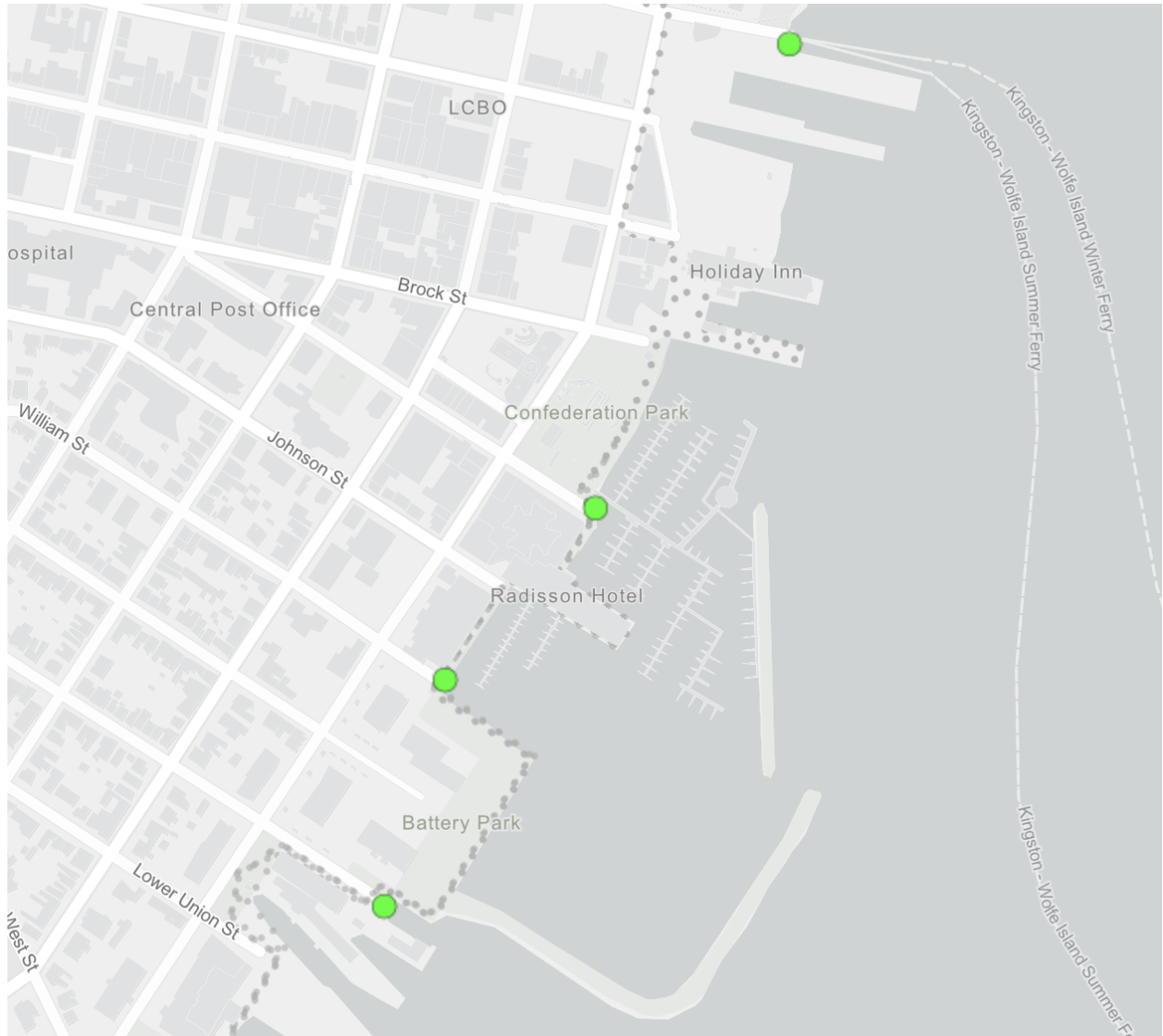


Figure 3 - Combined Sewer Outfalls: Four combined sewer outfalls (CSOs) in proximity to Confederation Basin (north to south): Barrack Street, Clarence Street, William Street, and Gore Street.



Figure 4 - Contamination Sites: Map of Kingston waterfront from Federal Contaminated Sites Inventory. The location of the active cases near Confederation Basin (site 00012676, 00024837, and 09445001). Retrieved from: <https://www.tbs-sct.gc.ca/fcsi-rscf/numbers-numeros-eng.aspx?qid=767349>

Date	Cause	Volume (m ³)	Precipitation (mm)
April 05, 2023	Heavy Rain on Snowmelt	27.0	24.6
December 23, 2023	Heavy Rain	5,142.2	54.0
November 11, 2022	Heavy Rain	29.2	46.1
September 26, 2022 - September 27, 2022	Heavy Rain	10.4	35.4
September 13, 2022	Heavy Rain	3.8	8.8
August 26, 2022	Thunderstorm	218.2	17.5
August 23, 2022	Heavy Rain	1.4	14.0
August 22, 2022	Heavy Rain	14.9	24.0

Table 1. Collection system sewage overflow events that occurred between August 2022 and April 2023 in the Kingston collection system and the corresponding amounts of precipitation.

Year	Events	Volume (m ³)	Precipitation (mm)
2022	14	6,795.3	360.7

2021	9	9,010.8	259.1
2020	18	65,701.1	443.1
2019	40	31,033.6	572.1
2018	26	84,373.3	666.0
2017	20	171,556.3	761.2
2016	14	120,226.9	371.1
2015	24	27,502	422.2
2014	26	106,731+	439.1
2013	17	132,573	280.1+
2012	12	120,786	276.0
2011	16	518,411	512.3
2010	26	209,643	399.0
2009	24	314,278	447.0
2008	41	626,588	N/A(2)
2007	31	85,431	350.0
2006	13	139,381(1)	340.3

Table 2. Collection system sewage overflows historical totals in the Kingston area (since Sept. 1, 2006). Last updated: 2023-06-05 12:39:09 PM [Sewer overflow log](#).

Site Name	Status	Classification	Media Type	Contaminants
00012676 KINGSTON (CONFEDERATION BASIN) (Waterlot)	Detailed testing completed. Remedial action plan under development.	2 - Medium Priority for Action	Sediment	Metal; metalloid and organometallic; PAHs (polycyclic aromatic hydrocarbon); PCBs (Polychlorinated Biphenyl) and PCDD/Fs (polychlorinated dibenzo p-dioxin/dibenzofuran)
00024837 Anglin's Bay	Remediation/ risk management	1 - High Priority for Action	Sediment	Metal; metalloid and organometallic; PAHs (polycyclic aromatic

	completed. Confirmatory sampling underway.			hydrocarbon); PCBs (Polychlorinated Biphenyl) and PCDD/Fs (polychlorinated dibenzo p-dioxin/dibenzofuran)
09445001 Fort Frontenac Water Lots	Confirmatory sampling completed. Long term monitoring underway.	1 - High Priority for Action	Sediment	Metal; metalloid and organometallic; PAHs (polycyclic aromatic hydrocarbon); PCBs (Polychlorinated Biphenyl) and PCDD/Fs (polychlorinated dibenzo p-dioxin/dibenzofuran); PHCs (petroleum hydrocarbons)

Table 3: Site Names, Status, Classifications, Media Types, and Contaminants found at identified different locations in the vicinity of Confederation Basin.