

Ph 0274 730226

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# Sewage pipe the stinky elephant on the beach

Striving for that unique selling point that puts your city on the map is no bad thing. But we Aucklanders might have tried a little too hard in deciding to spend \$28 million building a faux, white-sanded tropical beach, directly in the firing line of the overflow pipe for the big wastewater sewer running between Onehunga and Hillsborough.

Watercare Services assures me it's a well monitored and well-maintained outlet, which only erupts on to the foreshore about twice a year. Since Watercare was formed in 1994, there have been just 25 such episodes, the most recent, a 137-minute spillage, ten days ago. Which for the experts running a complex, citywide wastewater system, sounds pretty good. Every system in the world has such pressure relief points.

What's uniquely Auckland about this, is that the New Zealand Transport Agency, which is largely funding this project as a gesture of reparations for its destruction of the Onehunga foreshore over past decades, along with the old Auckland City Council, and the new Auckland Council, all failed to confront the incompatibility of a major



RUDMAN'S CITY



sewage outfall — to say nothing of three major stormwater outflow pipes — being left to spill out on to the section of the foreshore they'd ear-

marked as a new sandy playground.

Last week, the four planning commissioners considering the project sidestepped the issue too, ruling that as the environmental impact of the outflows on the harbour would remain the same, their hands were tied.

In granting the green light for the new beach, the best they could do was demand signs go up warning swimmers when the water gets too nasty.

All heart, council lawyers announced as a compromise that the closest of the four proposed new white sanded beaches would instead be covered with skin-cutting gravel and shell. This, they said, would deter people from the immediate area of the outflow. And, one guesses, ensure infection, for those who missed the message.

It's not as though these outlets are hard to find. The GIS Viewer on the Auckland Council home page has a map of every sewer and stormwater pipe in the city, including their overflow outlets.

The Onehunga Bay wastewater outlet is the relief valve for the Hillsborough pumping station 2 km

away. It was installed there in 1962, the site chosen because then it was part of an industrial wasteland. There are similar outlets dotting both harbours. After the big storms 10 days ago, 16 other sites recorded overflows as well.

What seems so short-sighted here is that when \$28 million is being spent trying to "restore" the environment and build a sandy pleasure park on what is now post-industrial tidal mudflats, no plans were made to divert the drains or extend them into the harbour. If you're doing up an old villa, the council expects you to sort out the leaky pipes. Why not a beach?

The commissioners' report highlights how, even though "rectification of the water quality" was not something they could address, it was the elephant in the room. Until it is addressed, "the project is potentially reduced to beautification and mainly land-based recreation." The public "will need to be warned whenever there is, or likely to be, a health risk from contact recreation..."

Even a Council consultant, Sharon Tang said that as proposed, the project "is a major public health concern". Watercare Services operations

manager for wastewater, Mark Bourne, echoed these concerns. "It is not prudent from a public health perspective to locate a beach and contact recreation area next to an overflow discharge structure." He said "the public should not be actively encouraged to have contact with coastal water in areas where discharges are likely to happen, even when the frequency of overflow events is low."

As a schoolboy, I earned pocket money picking tomatoes in a Mangere glasshouse. Biking across the old bridge in the early morning, the frothy blood-stained waters drifting down from the Otahuhu freezing works rivalled the colours of the sun-red clouds. The stench was awful. The rehabilitation of the harbour since then is something to celebrate. But there's still plenty to do. Ridding the Onehunga foreshore of the motorway is not going to happen. Felling the power pylon — if only.

The beach project though, was doable, and a gesture in the right direction. Well, it would have been, if someone had been serious about the pipes.



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- 3.2 It appears from the schematics that eastern most section of the new Eastern Park beaches ends approximately at the point of Watercare's Overflow Structure. This is currently proposed to be a sandy beach (beach #4 on figure C-6). In my view, it is not prudent from a public health perspective to locate a beach and contact recreation area next to an overflow discharge structure. This Overflow Structure operates within design parameters and currently poses minimal or no public health risk nor does it have adverse environmental effects due to its isolated location. Putting a beach at this location, however, will encourage more water contact at this location and could increase the public health risks at this location. Because the area is very tidal, there will also be visual impacts associated with overflows.

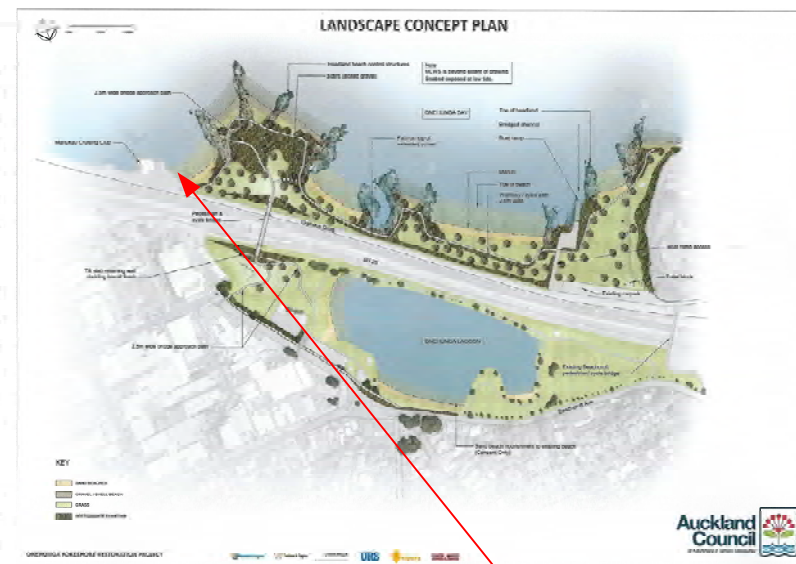
#### 1. POLICY FRAMEWORK AND KEY ISSUES

##### Resource Management Act 1991 - Section 5

Decisions made under the Resource Management Act 1991 are subject to an overall assessment against the provisions of Part 2 and the overarching goal of sustainable management. In particular, the Committee must consider Section 5. The general approach taken to section 5 has been described as the "overall judgement" approach of whether an application would promote the sustainable management of natural and physical resources. Such a judgment allows for a comparison of conflicting considerations, their scale and degree, and their relative significance in the final outcome.

"Sustainable management" therefore requires the use, development and protection of the existing resources in the Onehunga Bay area to be managed in a way that enables the people and communities of Auckland to provide for their social and economic well-being and for their health and safety. Under section 5(2)(a), the Project must achieve this purpose at the same time as sustaining the potential of natural and physical resources to meet the reasonably foreseeable needs of future generations.

- 4.2 In the context of this Project, sustainable management requires the Committee to recognise and provide for Watercare's existing regionally significant infrastructure, including the constructed Overflow Structure at Onehunga. As you have heard, the Overflow Structure was constructed in 1902 and is operating in accordance with its design to mitigate upstream effects (both on the environment



Watercare's Manukau Cruising Club Overflow Structure



Watercare's Manukau Cruising Club Overflow Structure



Watercare's Manukau Cruising Club Overflow Structure



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## Reverse sensitivity effects

- 4.17 Lawfully established infrastructure such as airports, treatment plants, or in this case the Overflow Structure, can give rise to off-site impacts which affect surrounding land or waterbodies. It is often only the introduction of a new neighbouring activity which leads to a perception that the existing activity is operating in an unacceptable way. If left unchecked, this has the potential to lead to conflict between activities.
- 4.18 Reverse sensitivity responds to the need to consider existing activities when assessing the effects of introducing a new and potentially conflicting activity into the environment. While reverse sensitivity issues may be viewed as the inevitable consequence of urban growth (including the need for additional public recreational space), it is nevertheless essential that reverse sensitivity concerns are addressed as part of the planning process.
- 4.19 As set out in Mr Bourne's evidence, the beach at the eastern most end of the new Eastern Park is proposed to be located immediately adjacent to Watercare's Overflow Structure. At present, due to its location and the limited number of recreational uses taking place nearby, the discharges associated with this structure result in very limited visual amenity or public health effects. The potential for a dramatic increase in reverse sensitivity effects on Watercare's existing outfall as a result of the proposed reclamation is at the heart of Watercare's concerns. If the application is approved, there may be an increase in public health risks and perceived adverse amenity effects (particularly visual and odour effects) due to an increase in passive and contact (such as swimming, dinghy sailing, and fishing) recreational users of the beach.
- 4.20 In other words, while there may not be a current public health or amenity issue, if new sensitive activities are introduced into the area, the new users of the Eastern Park beaches may well find the effects (that occur from time to time in wet weather conditions) offensive. The crucial point is that the potential for reverse sensitivity will be elevated, and the situation will have changed, even though Watercare will be operating in the same way.
- 4.21 The pre-hearing report essentially concludes that, while poor water quality is an existing issue in the vicinity of the Project, this is an issue that can be addressed in future. In the event that the water quality issues cannot be resolved, the pre-
- 4.22 In Watercare's opinion it is not sufficient to respond to reverse sensitivity issues in this way and Watercare rejects the approach proposed in the pre-hearing report. There is no straightforward solution to the existing water quality in Onehunga Bay and the situation is unlikely to change in the short or medium-term. It is not appropriate to simply disregard the issue at the consenting stage. The Project should include a practical response, such as through design amendments or conditions, rather than relying on a retrospective solution such as "no swimming" signs. These are unlikely to be effective once a recreational beach has been established, and will not prevent other effects (such as visual impacts, or effects experienced by people fishing or boating in the area).

outfall does overflow in wet weather conditions. Watercare wishes to minimise the prospect of these effects occurring, while also recognising that the Onehunga Bay Overflow Structure and the surrounding network is not earmarked for any upgrade or improvement works, as I discuss in further detail below.

## 5. CONCLUSION

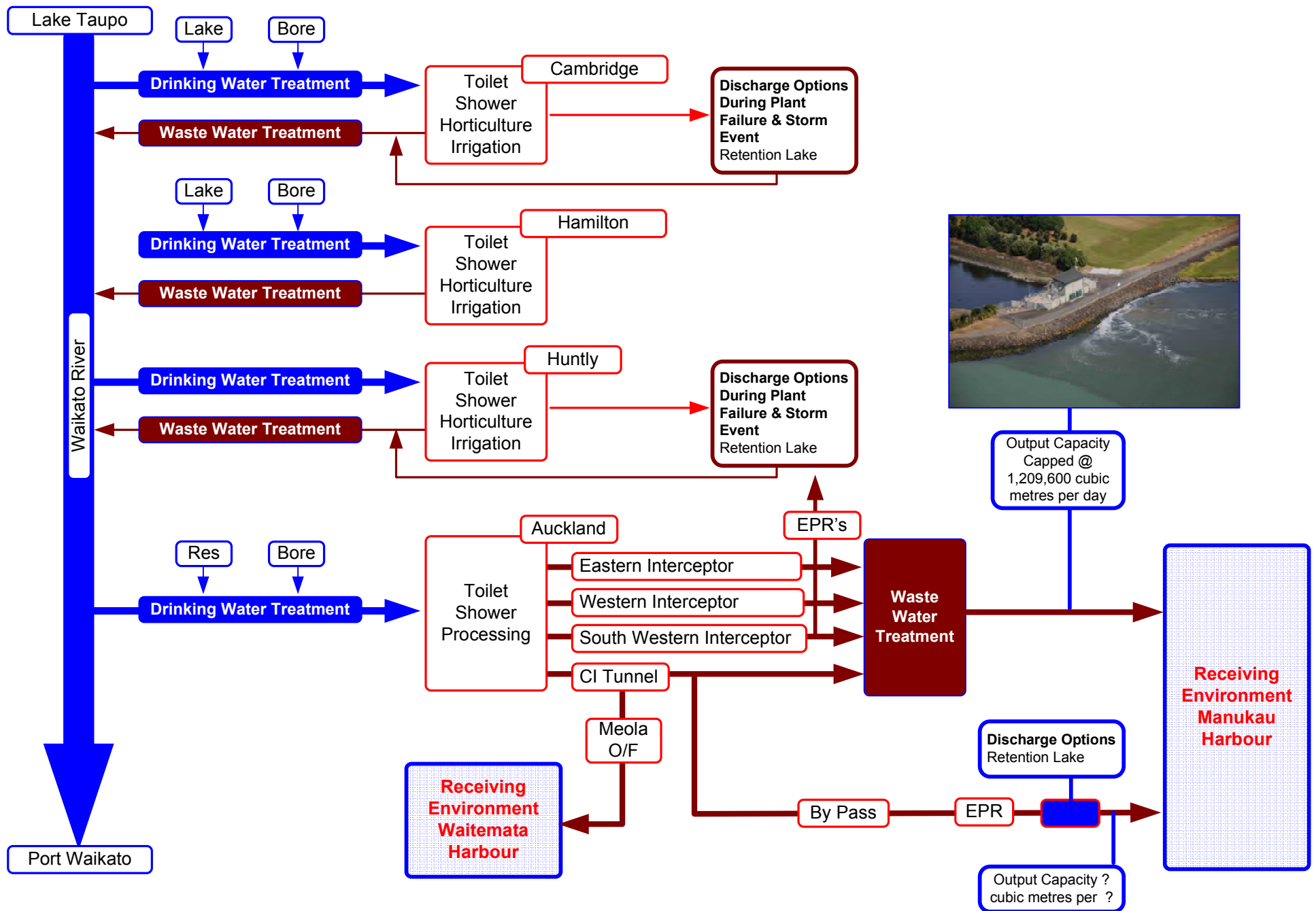
5.1 In summary, Watercare requests the following relief:

- (a) Reconsideration of the Project design to minimize public contact with the area adjacent to the Overflow Structure
- (b) The measures identified above to protect Watercare's infrastructure during and after construction of the Project.



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## EPR Options as WC CI OPW

**Positives**  
Low cost solution for  
Watercare

**Negatives**  
Large tidal flat  
exposed for periods  
of up to 6 hours



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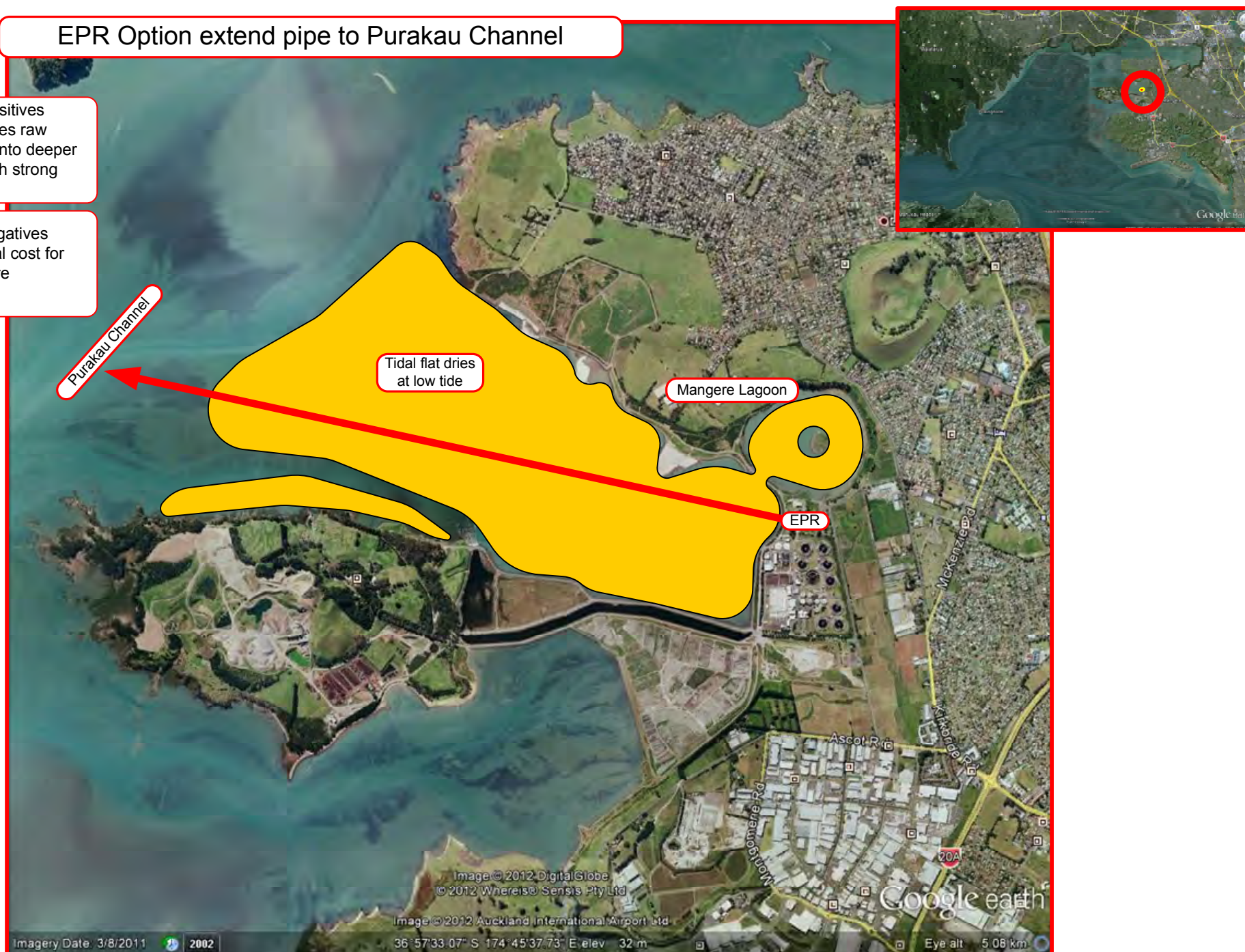
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## EPR Option extend pipe to Purakau Channel

**Positives**  
Discharges raw sewage into deeper water with strong current.

**Negatives**  
Additional cost for Watercare



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## EPR Option A Retention Lake for later processing

### Positives

Avoids raw sewage discharge onto foreshore that dries at low tide  
Reduces spills in the Waitemata  
Operates as normal part of harbour with tidal flushing  
Raw sewage held in storage then normally processed through the WWTP

Purakau Channel

### Negatives

Temporary smell

Mangere Lagoon Retention Lake

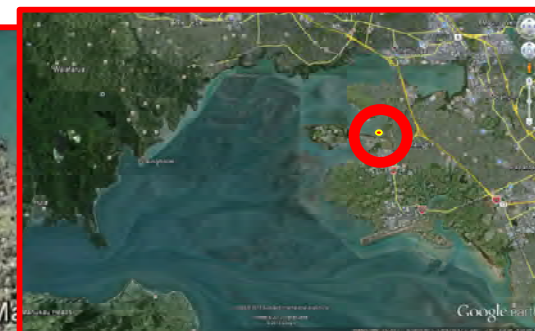
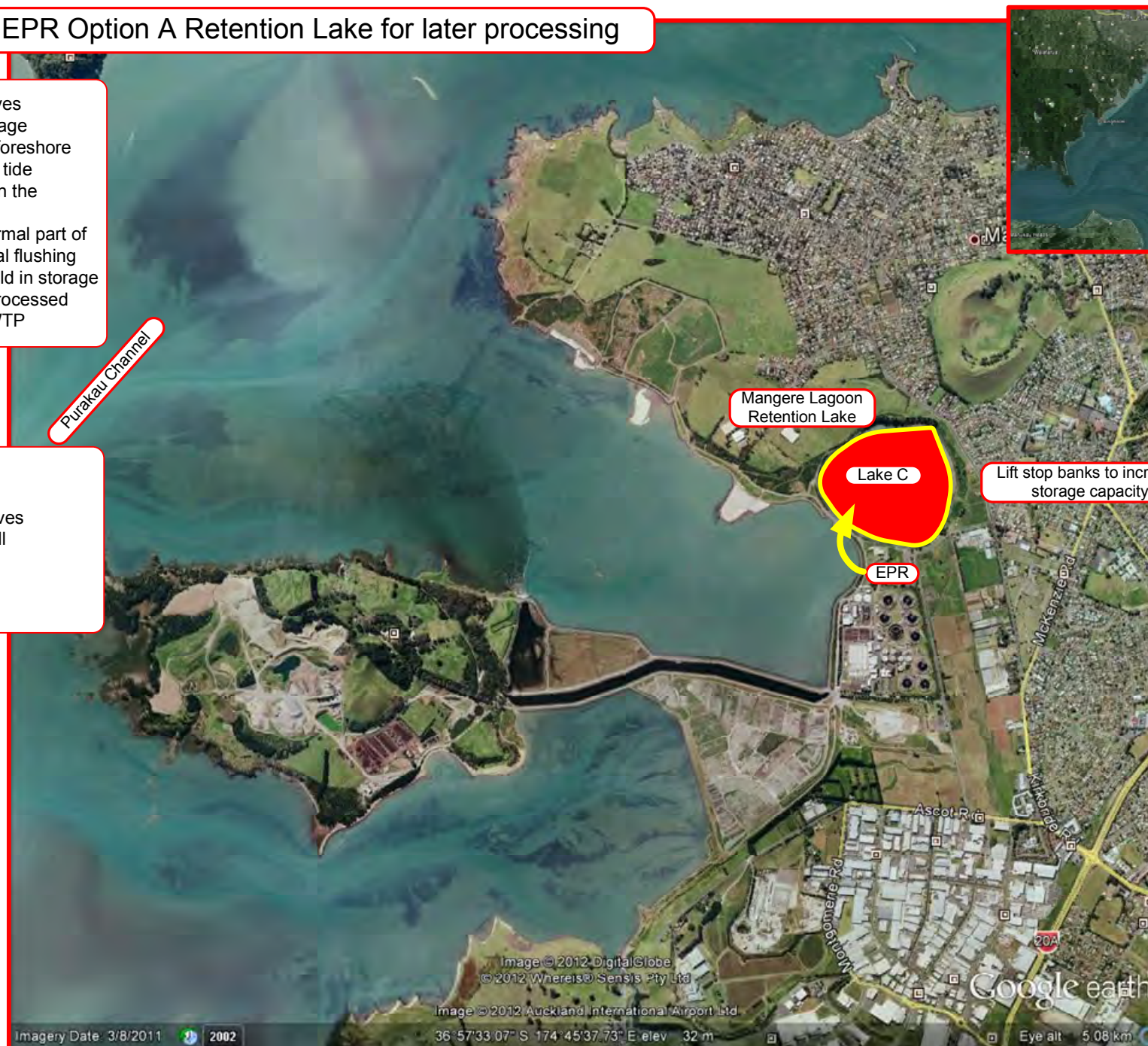
Lake C

EPR

Lift stop banks to increase storage capacity



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## EPR Option B Retention Lakes for later processing

**Positives**  
 Avoids raw sewage discharge onto foreshore that dries at low tide  
 Reduces spills in the Waitemata  
 Operates as normal part of harbour with tidal flushing  
 Raw sewage held in storage then normally processed through the WWTP

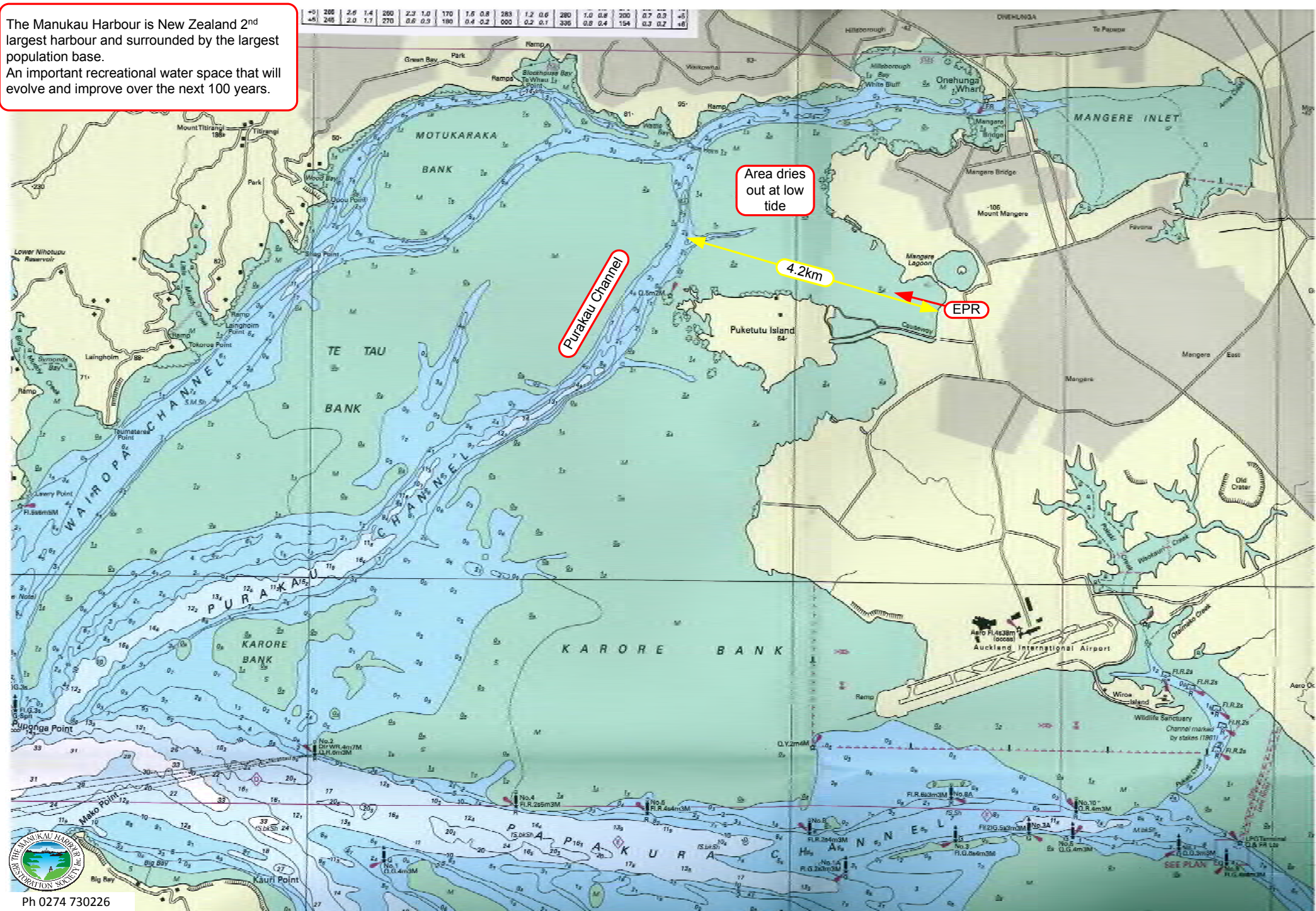
**Negatives**  
 Temporary smell



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The Manukau Harbour is New Zealand 2<sup>nd</sup> largest harbour and surrounded by the largest population base.  
An important recreational water space that will evolve and improve over the next 100 years.





Auckland Largest Fresh Water River



Shallow Holding Capacity Reservoir



Discharge Gates and Pump Station.  
From Reservoir Lake



Discharge Gates viewed from Manukau  
Harbour



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EPR will discharge Raw Sewage across mud flats. This area has water coverage for a limited period each tidal cycle.



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Mangere Lagoon possible Storage Reservoir to avoid raw sewage entering the Manukau Harbour.



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## Hydrographic Study undertaken in 1975 by University of Auckland for original motorway study

Tidal circulation within the Manukau Harbour is dominated by five major channels draining extensive intertidal and sub-tidal shallows. The Papakura Channel is the central major channel flanked to the north and south by smaller drainage basins. Waitopa Channel is the main navigation channel to Onehunga and is the shallowest of the major channels. Flow is confined mainly to the channel and is dominantly parallel to the channel margins. At Onehunga Wharf tidal velocities are higher during flood conditions than during ebb tides (T&T, 1986).

A hydrographic study was carried out within Onehunga Bay by the University of Auckland for the original motorway study (Raudkivi, 1975). Tidal currents were assessed based on observation and float testing. It was identified that the currents in the shallow tidal flats were controlled largely by the flows in the main channel to the Mangere Inlet and typically an order of magnitude lower. Figure 9-2 shows the sketches of the resulting flood (1) and ebb (2) tide situation.

Raudkivi noted that the currents in the Manukau Harbour are very low and significantly affected by wind stress.

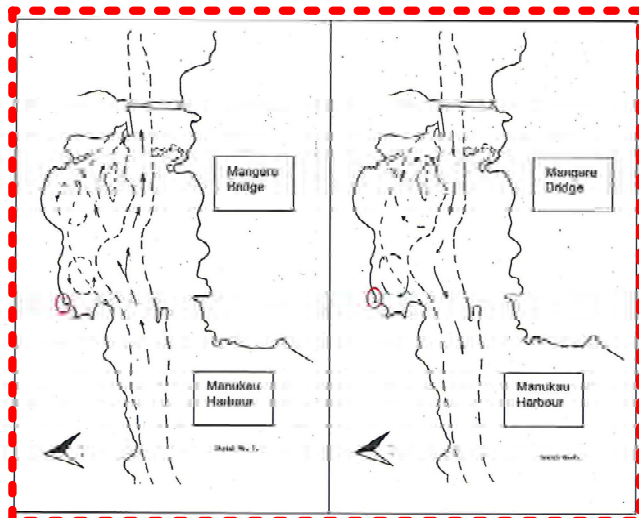
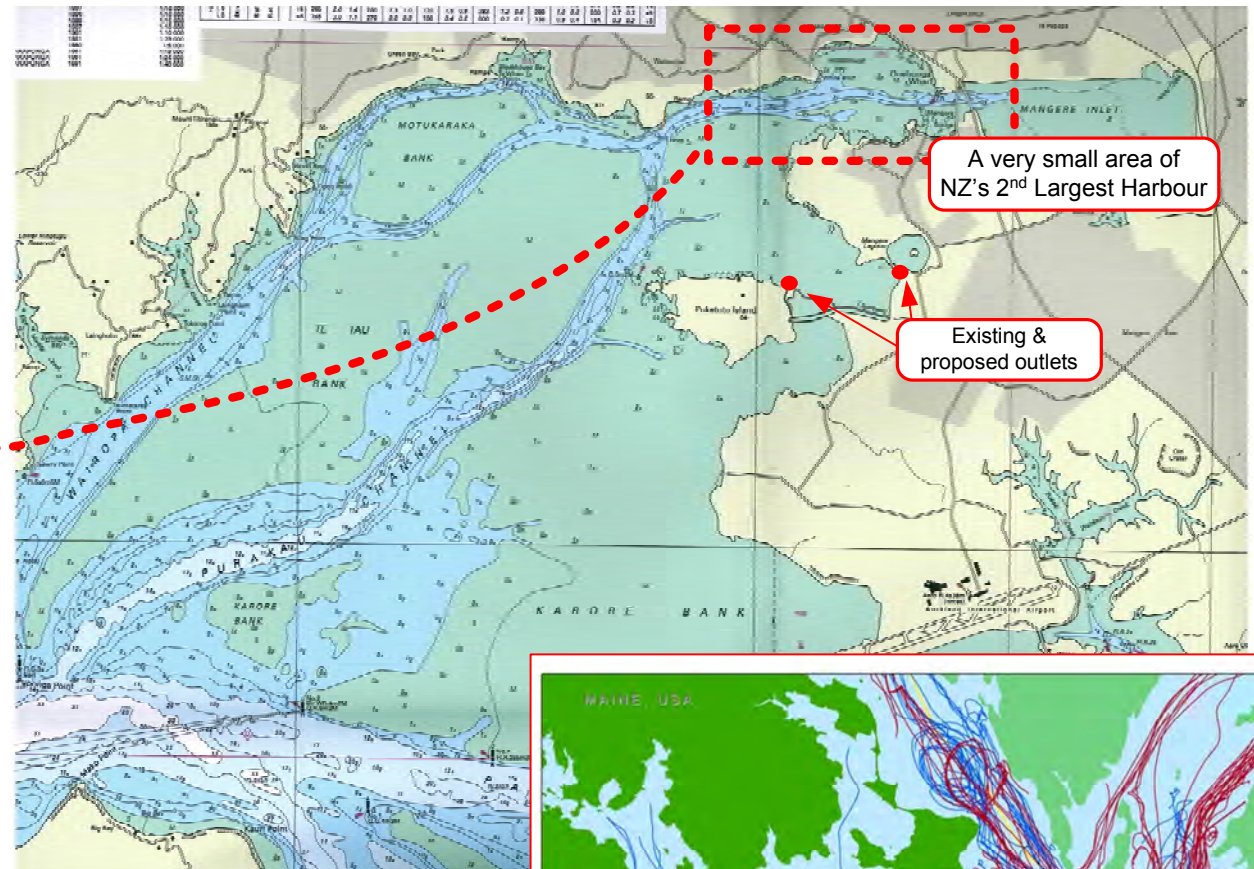
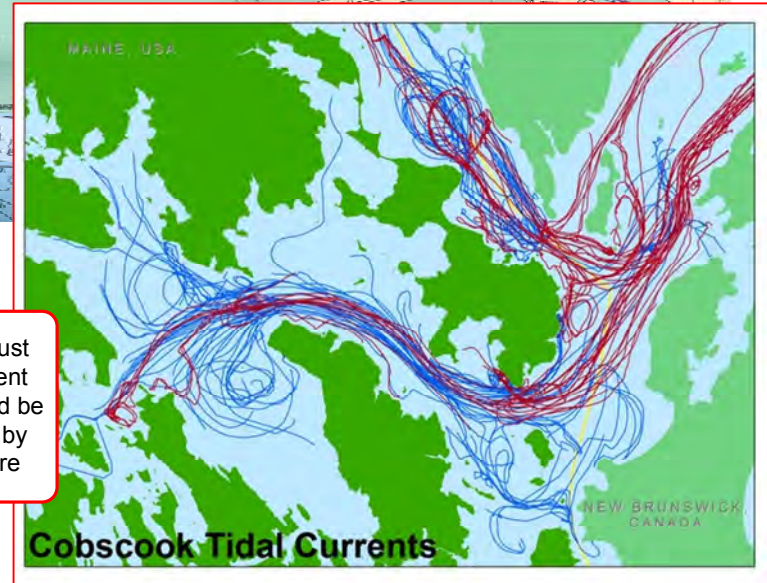


Figure 9-2 Recorded flood (1) and ebb (2) tide flow patterns in the Manukau Harbour (source: Raudkivi 1975) (Approximate location of PS 23 site shown in red circle)



A very small area of NZ's 2<sup>nd</sup> Largest Harbour

Existing & proposed outlets



More robust tidal current data should be provided by Watercare

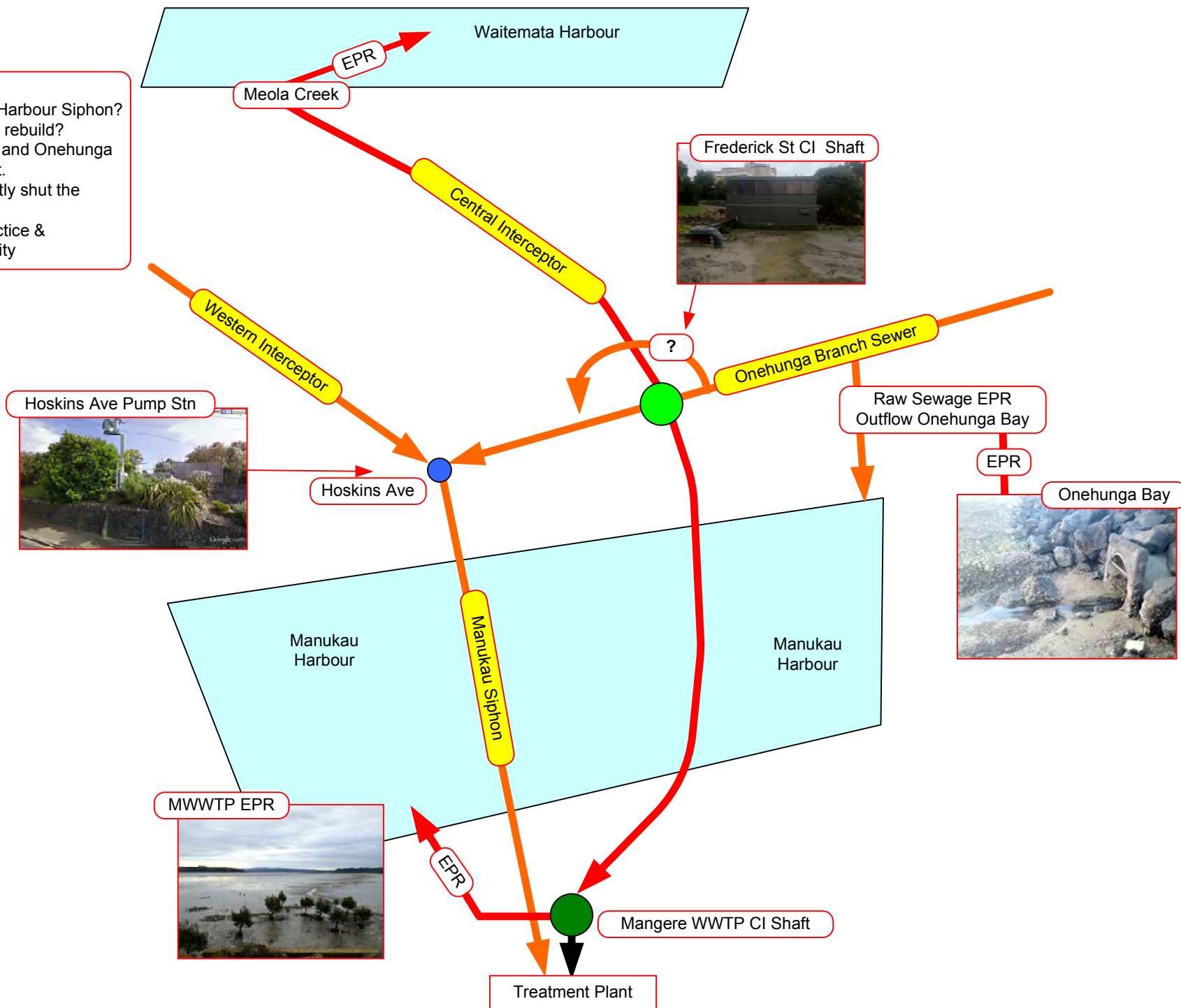


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## Issues

Life expectancy of Manukau Harbour Siphon?  
Abandon Manukau Siphon or rebuild?  
Connect Western Interceptor and Onehunga  
Branch Sewer at Frederick St.  
Has CI capacity to permanently shut the  
Onehunga Bay EPR?  
Watercare to follow Best Practice &  
Corporate Social Responsibility



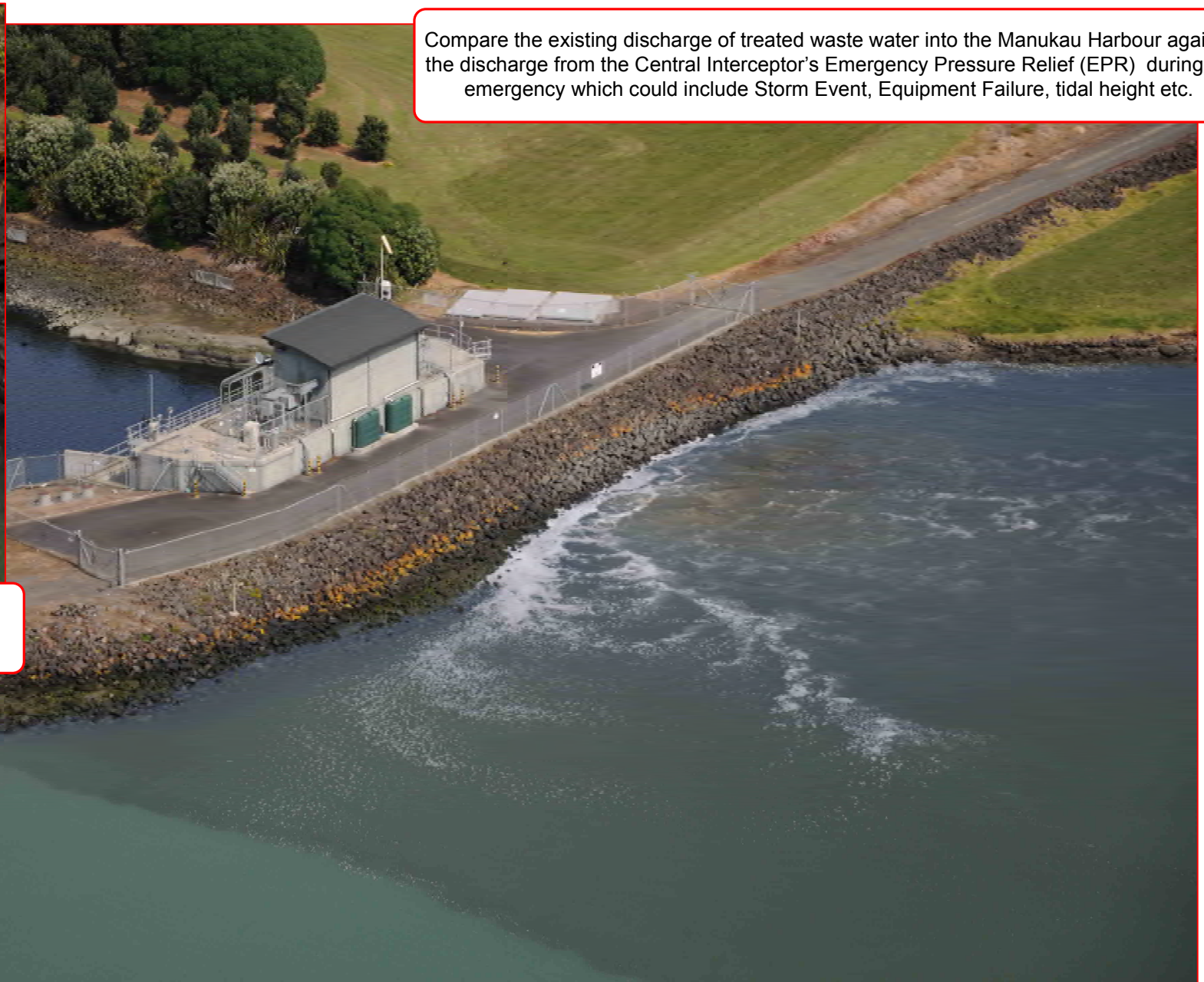
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Health Warning  
What impact does this have on  
marine and bird life?

Compare the existing discharge of treated waste water into the Manukau Harbour against the discharge from the Central Interceptor's Emergency Pressure Relief (EPR) during an emergency which could include Storm Event, Equipment Failure, tidal height etc.



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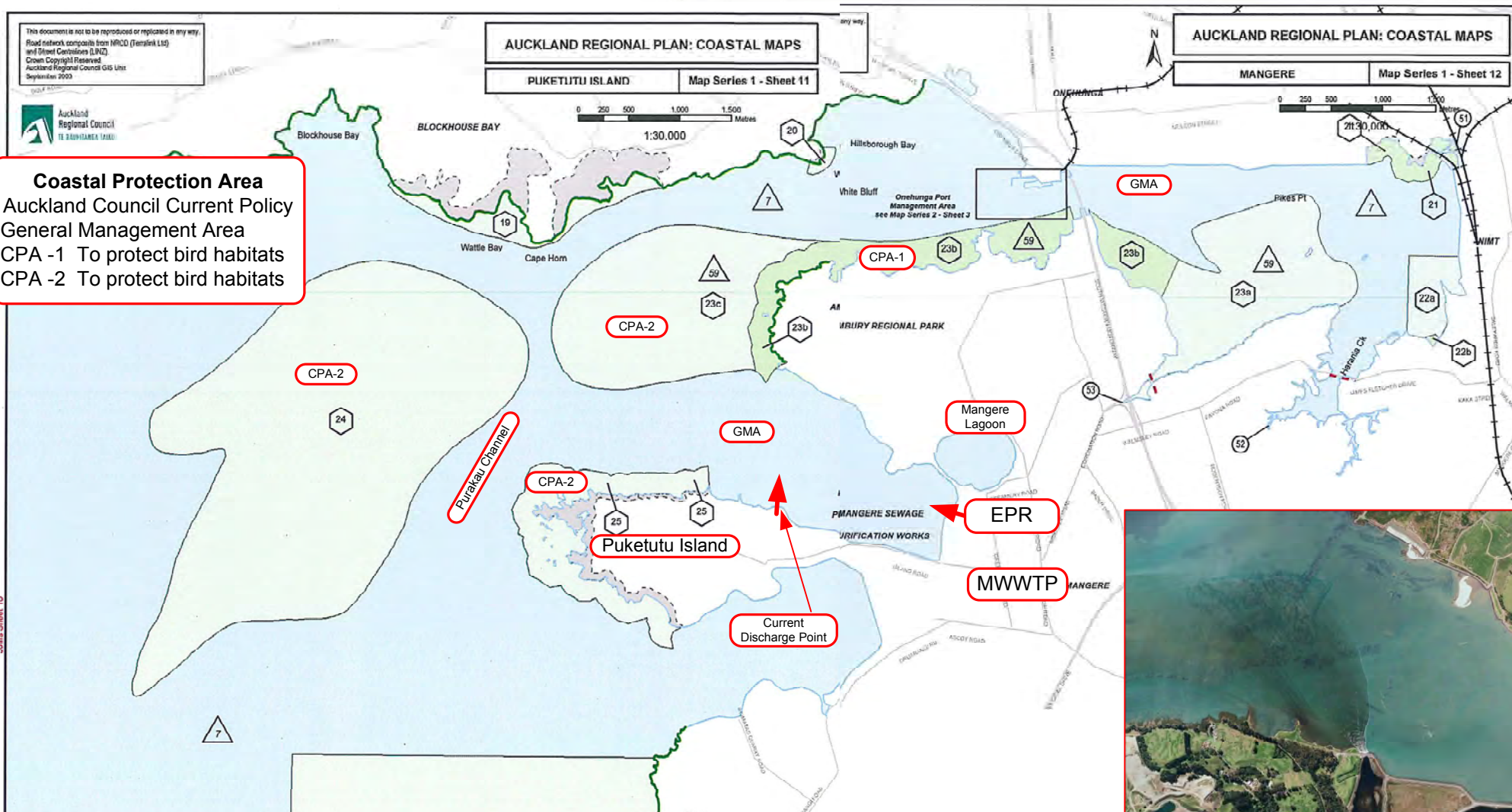




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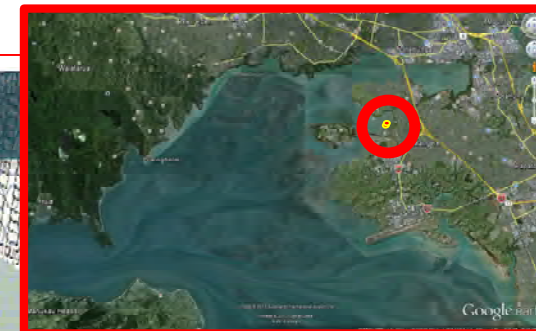




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SEA Significant Ecological  
Area Auckland Unitary Plan  
to protect wading birds

Purakau Channel

Mangere Lagoon

EPR

MWWTP

Puketutu Island

Current  
Discharge Point



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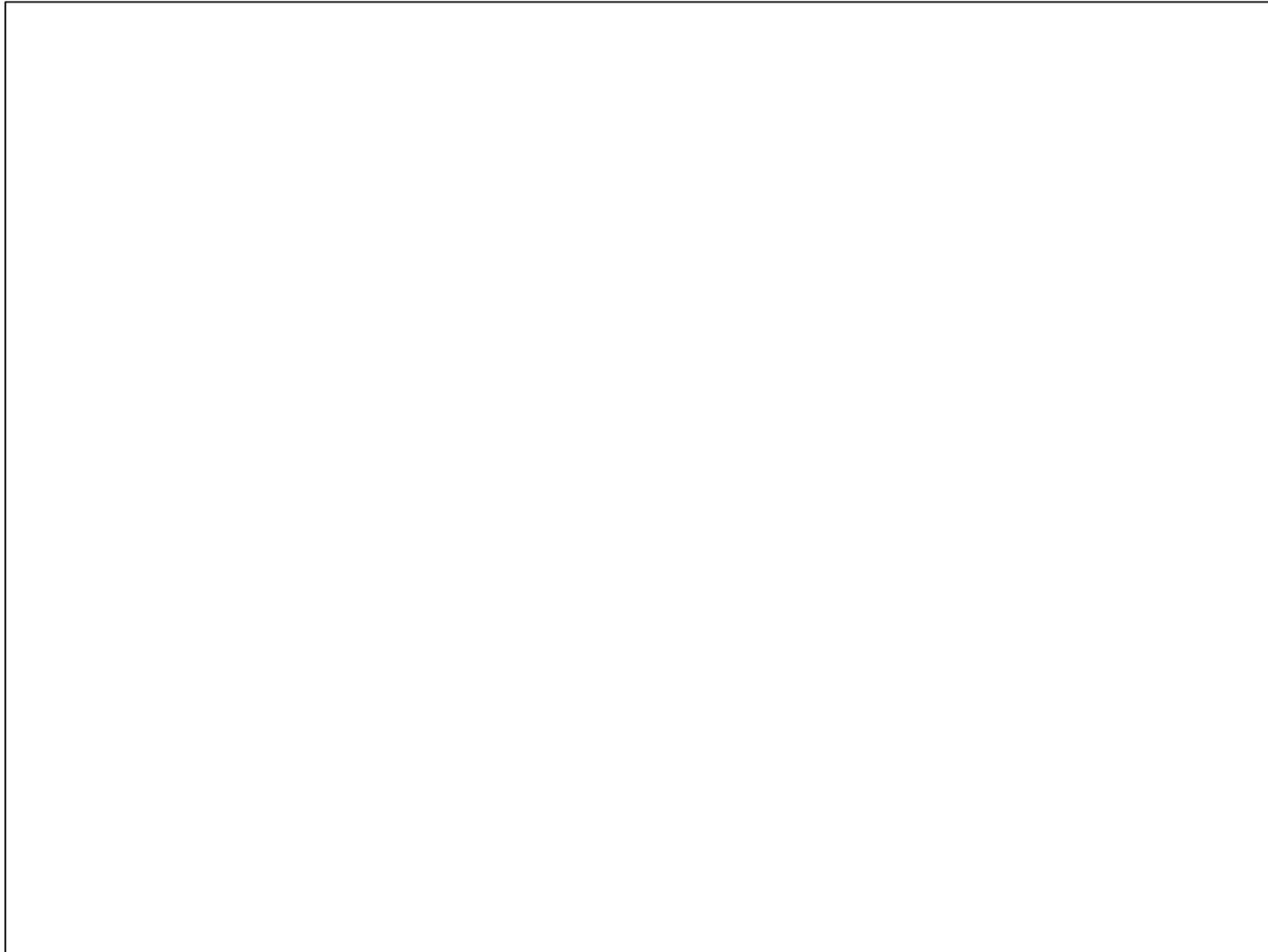


Consent IDFile ReferenceActy TypConsent statusNameCommencement DtExpiry DtConsent typeCoastlineTLASite AddressPurpose3145115588Wastewater DischargeIssuedWatercare Services Limited10/11/200509/08/2039DischargeAuckland City5 Miami Parade Onehunga Auckland CityTo authorise the discharge of wastewater to land or water (outside the Coastal Marine Area), together with any consequential discharges to air, in accordance with Section 15 of the Resource Management Act 1991 as a result of:- Overflows during times of Wet Weather Flow;- Overflows during times of Dry Weather Flow;- Overflows resulting solely from Network Failure, Chokes or breakages;- Exfiltration.3145415588Wastewater DischargeIssuedWatercare Services Limited10/11/200509/08/2039DischargeAuckland City20 Saleyards Road Otahuhu Auckland CityTo authorise the discharge of wastewater to land or water (outside the Coastal Marine Area), together with any consequential discharges to air, in accordance with Section 15 of the Resource 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Limited12/01/200609/08/2039DischargeManukau CityR 1 Kiwi Esplanade Mangere Bridge Manukau CityTo authorise the discharge of wastewater to land or water (outside the Coastal Marine Area), together with any consequential discharges to air, in accordance with Section 15 of the Resource Management Act 1991 as a result of:- Overflows during times of Wet Weather Flow;- Overflows during times of Dry Weather Flow;- Overflows resulting solely from Network Failure, Chokes or breakages;- Exfiltration.321581888Discharge OtherIssuedVector Limited29/03/200601/03/2026DischargeAuckland CityElectricity Transmission Towers in or near the CMA of the Auckland RegionTo authorise the discharge of contaminants to air, land and water arising from losses of wastes and wastewater during the refurbishment of electricity transmission towers including high pressure water cleaning and wet abrasive blasting of galvanised electricity transmission towers and dry abrasive blasting of tower foundations in the Auckland Region in accordance with Section 15 of the Resource Management Act 1991.3674421219Discharge OtherIssuedAuckland Transport14/05/200931/12/2043DischargeAuckland CityAuckland City Council Region wide Bridge Maintenance ProgrammeTo authorise the discharge of contaminants from bridge maintenance to water or onto land where they may enter water at various locations across Auckland city.94848H925802Stormwater DischargeIssuedMt Richmond Industrial Park Limited14/04/199431/12/2027CoastalAuckland CityBELL AVENUE WESTFIELD Auckland CityTO DIVERT AND DISCHARGE STORMWATER FROM INDUSTRIAL LAND AT WESTFIELD14768BH9510812Stormwater DischargeIssuedRichard Stanley Fan C/- JFD 198 Ltd8/08/199631/12/2031CoastalManukau City198 James Fletcher Drive Favona Manukau CityTO DIVERT STORMWATER THROUGH A 300 MM DIAMETER OUTFALL OVER A RENO MATRESS15558BM74945Stormwater DischargeIssuedPacific Steel Limited13/02/200331/12/2022CoastalManukau City259 James Fletcher Drive Otahuhu Auckland CityTo divert and discharge treated stormwater and contaminants from an industrial and trade premise via a treatment system consisting of: an oil separator, flocculation system, settling pond and wetland to an unnamed tributary of Harania Creek.14821CG9610859Wastewater DischargeIssuedWatercare Services Limited2/05/199731/12/2032DischargeManukau CitySEABED ADJACENT TO THE MANGERE SEWAGE PURIFICATION & PUKETUTU ISLAND, MANGERE Manukau CityAn application for a permit to discharge contaminants onto and into the ground and groundwater at the property of Watercare Services Ltd at Island Road, Mangere and in the immediate vicinity of the plant on land designated as part of the Mangere Wastewater Treatment Plant, including:

- (a) Discharge of sludge or biosolids onto or into land in connection with storage, disposal and stockpiling operations;
- (b) Discharge of sludge or biosolids onto or into land in connection with sludge lagoon and sludge drying bed operations;
- (c) Discharge of sludge or biosolids onto or into land in connection with the operation, maintenance, and decommissioning of the oxidation ponds;
- (d) Discharge of sludge or biosolids onto or into land in connection with landscaping and landforming at the Mangere Wastewater Treatment Plant; and
- (e) Discharge of sludge or biosolids onto or into land in connection with trials and investigations into the beneficial reuse of solids;3008310853Wastewater DischargeIssuedWatercare Services Limited8/11/200531/12/2032Restricted Coastal ActivityManukau Harbour MCCManukau City500 Island Road Mangere Bridge Manukau CityAn application for a coastal permit (Restricted Coastal Activity) in the coastal marine area adjoining the property of Watercare Services Ltd at Island Road, off Greenwood Road, Mangere including:

- (a) Discharge of treated effluent into the coastal marine area from the existing discharge outlet adjacent to pond 1 and pond 4 up to and including 30 September 2003, pending construction of a new discharge structure; and
- (b) Discharge of treated effluent into the coastal marine area from the new discharge structure authorised by Permit No. 9610851 ("the new discharge structure") on a permanent basis, commencing on 1 October 2003 or such earlier date that the new discharge structure is available for use.2411514933Stormwater DischargeIssuedAuckland Council8/03/200128/02/2036CoastalManukau Harbour MCCManukau CityAdjacent to Favona Road Harania Creek, Mangere Manukau CityTo authorise the diversion of stormwater from a residential subdivision with a total catchment area of approximately 1 ha, and the discharge of contaminant (stormwater) to water in the Coastal Marine Area, in accordance with Section 14 and Section 15(1)(a) respectively, of the Resource Management Act 19912772016660Stormwater DischargeIssuedIhumatao Quarries Limited4/07/200531/12/2025CoastalManukau Harbour MCCManukau City296 Ihumatao Road Mangere Manukau CityTo discharge groundwater, stormwater and potentially sediment from the dewatering of Ihumatao Quarry to the Coastal Marine Area (Manukau Harbour), at a rate of up to 11,700 m3 per day, pursuant to Sections 15(1) of the Resource Management Act.3578619092ReclamationIssuedNZ Transport Agency6/10/200830/11/2042CoastalManukau Harbour MCCManukau CityTaratara Creek Bridge - SH 20 at Taratara Creek, Mangere, Manukau City Manukau Harbour MCCUndertake reclamation and associated works in the coastal marine area including the removal of mangroves, Taratara Creek, Manukau Harbour3581020641ReclamationIssuedLand Information New Zealand10/02/2009Restricted Coastal ActivityManukau Harbour MCCManukau CityMona Avenue Mangere Bridge Manukau CityTo authorise an existing 1.22Ha unlawful reclamation in the coastal marine area (CMA) adjacent to Mona Avenue, Mangere Bridge.3600420719Stormwater DischargeIssuedWatercare Services Limited18/07/201118/07/2046CoastalManukau Harbour MCCManukau City600 Island Road Mangere Bridge Manukau CityTo divert and discharge stormwater run-off from the completed embankment of the biosolids rehabilitation via soakage channels to ground and to a wetland.3991322876ReclamationIssuedFree Wesleyan Church of Tonga31/05/2012CoastalManukau Harbour MCCManukau City143 Favona Road Favona Manukau CityRetrospective authorisation for an existing 9210m2 reclamation adjacent to 143-145 Favona Road, Mangere.372548547Discharge OtherIssuedWatercare Services Limited18/01/201031/12/2018DischargeManukau Harbour MCCManukau City500 Island Road Mangere Bridge Manukau CityTo authorise the change of conditions for consent 35210 to increase the methoprene discharge limit to 20 mg/m3 for midge control.213519048Stormwater DischargeIssuedAuckland International Airport Ltd19/01/199531/12/2029CoastalManukau Harbour MCCManukau CityGeorge Bolt Memorial rive Manurewa Manukau CityA catchment wide programme of works required to manage the discharge of stormwater from existing and future development of the Auckland International Airport3217BE812750Stormwater DischargeIssuedDENNIS FRIEDMAN LTD12/198131/12/2025CoastalManukau Harbour MCCManukau CityFAVONA ROAD MANGERE Manukau CityTo divert and discharge stormwater into the Harania Creek.4949BE854717Stormwater DischargeIssuedOrphan Stormwater Consent31/01/198631/12/2025CoastalManukau Harbour MCCManukau CityMAHUNGA DRIVE MANGERE Manukau CityTo divert and discharge stormwater from a 2 ha industrial subdivision into the Taratara Creek11646BE936238Stormwater DischargeIssuedAuckland Council28/01/199431/12/2027CoastalManukau Harbour MCCManukau City160 Favona Road Favona Manukau CityTO DIVERT AND DISCHARGE STORMWATER FROM A 0.5 HA RESIDENTIAL SUBDIVISION, INTO THE HARANIA CREEK ESTUARY9092BH26082Stormwater DischargeIssuedOrphan Stormwater Consent27/01/199431/12/2027CoastalManukau Harbour MCCManukau City73A MCKENZIE ROAD MANGERE Manukau CityTO DIVERT AND DISCHARGE STORMWATER FROM A 4 HA EXISTING RESIDENTIAL CATCHMENT INCLUDING THE APPLICANT'S 0.7 HA MOTEL DEVELOPMENT SITE VIA A STORMWATER DRAIN INTO THE MANUKAU HARBOUR21148BH936607Stormwater DischargeIssuedAuckland Council18/03/199431/12/2027CoastalManukau Harbour MCCManukau City124 FAVONA ROAD MANGERE Manukau CityTO DIVERT AND DISCHARGE STORMWATER FROM A 1.6 HA CARAVAN PARK THROUGH A COUNCIL RESERVE INTO THE MANGERE INLET.2386BM781759Stormwater DischargeIssuedNZ Transport Agency29/09/197829/09/2013CoastalManukau Harbour MCCManukau CityMANGERE BRIDGE MANGERE Manukau CityTo discharge stormwater runoff from the deck of the bridge into the Manukau Harbour.2587BM791881Stormwater DischargeIssuedAuckland Softball Association Inc21/03/197921/03/2014CoastalManukau Harbour MCCManukau City61 Norana Avenue Favona Manukau CityTo divert and discharge stormwater from 0.8 ha softball grounds into the mouth of the Hauraki Creek, Manukau Harbour2856BM802295Stormwater DischargeIssuedProgressive Enterprises Limited23/04/198031/12/2025CoastalManukau Harbour MCCManukau CityFavona Rd MANGERE Manukau CityTo divert and discharge stormwater from a 4.8 ha warehouse complex at Favona Road into Manukau Harbour5078BM854855Stormwater DischargeIssuedOrphan Stormwater Consent30/07/198731/12/2025CoastalManukau Harbour MCCManukau City80 Hastie Avenue Mangere Bridge Manukau CityTo divert and discharge stormwater from a 2.4 ha factory and warehouse complex into the Manukau Harbour.9833H938897ReclamationIssuedAuckland International Airport Ltd4/10/1993CoastalManukau Harbour MCCManukau CityGeorge Bolt Memorial Drive, Mangere, Manukau City Manukau Harbour MCCTO CARRY OUT THE FOLLOWING ACTIVITIES AND WORKS:

- RECLAIM/INFILL OF 29 HECTARES OF AN EXISTING 32.5 HECTARE LAGOON.
- CONSTRUCTION OF A STORMWATER DETENTION POND AND WETLAND AT THE COASTAL EDGE OF THE INFILL COVERING APPROXIMATELY 3.5 HECTARES. THIS AREA INCLUDED IN THE TOTAL 29 HA TO BE INFILLED
- THE REMOVAL OF THE EXISTING CAUSEWAY.
- DISCHARGE OF STORMWATER INTO THE CMA DURING THE CONSTRUCTION OF THE ACTIVITIES DESCRIBED ABOVE AND THE CONSTRUCTION OF ASSOCIATED STORMWATER DISCHARGE STRUCTURES.12684H949679ReclamationIssuedNZ Transport Agency23/11/199423/11/2029CoastalManukau Harbour MCCManukau CityCrossing Of Tarata Creek Manukau Harbour as part of S.H.20 Mangere-Central, Section Motorway Extension, Manukau City Manukau Harbour MCCTo construct and use a motorway crossing, comprising a bridge and bridge and foreshore reclamation at Tarata Creek, Mangere and the occupation of the cma for the above purposes..14728H9510785ReclamationIssuedAuckland International Airport Ltd1/02/1996CoastalManukau Harbour MCCManukau CityCorner Of George Bolt Memorial Drive & Tom Pearce Drive, Mangere, Manukau City [ALLOT 50B, MANUREWA PARISH (SO 53112)] Manukau Harbour MCCTo construct a reclamation.3022817982Stormwater DischargeIssuedFrankel Consultants Limited15/02/200531/12/2039CoastalManukau Harbour ACCAuckland City60 Captain Springs Road Te Papapa Auckland CityTo authorise the diversion and discharge of stormwater in accordance with Sections 14 and 15 of the Resource Management Act 1991.1007054/19/66ReclamationIssuedNZ Transport Agency29/11/1971CoastalManukau Harbour ACCManukau CityNew Mangere Bridge Wiri Motorway Onehunga Bay Crossing Manukau City Manukau Harbour ACTO occupy area of CMA with reclamation and bridge. As on MD(N) 561 (26/9/78)2663BH792074Stormwater DischargeIssuedStephen Phillips20/06/197931/12/2025CoastalManukau Harbour ACCAuckland City4 Alfred St Onehunga Auckland CityTo discharge stormwater from an 0.4 hectare factory complex at the South end of Alfred Street, Onehunga, into the Manukau Harbour.2637BM792038Stormwater DischargeIssuedAuckland Council19/09/197931/12/2025CoastalManukau Harbour ACCAuckland CityHillsborough Auckland CityTO DISCHARGE STORMWATER INTO A TRIBUTARY OF THE MANUKAU HARBOUR2665BM792076Stormwater DischargeIssuedNew Zealand Defence Force - Environmental Services19/03/198031/12/2025CoastalManukau Harbour ACCManukau City1 Beachcroft Avenue Onehunga Auckland CityTo divert and discharge stormwater from buildings and stacking area of the Onehunga Timber Company into Onehunga Bay, Manukau Harbour2909BM802355Stormwater DischargeIssuedAuckland Council17/09/198031/12/2025CoastalManukau Harbour ACCAuckland City100 Favona Road Favona Manukau CityTo divert and discharge stormwater through extended pipe under Expressway into Onehunga Bay3537BM8231395Stormwater DischargeIssuedAuckland Council23/02/198331/12/2025CoastalManukau Harbour ACCAuckland CityPikes Point Onehunga/One Tree Hill Auckland CityTo discharge stormwater from a residential and industrial catchment, into Manukau Harbour14829H9610854Stormwater DischargeIssuedWatercare Services Limited2/05/199731/12/2032CoastalManukau Harbour ACCManukau CitySEABED ADJACENT TO THE MANGERE SEWAGE PURIFICATION & PUKETUTU ISLAND, MANGERE Manukau CityTO DISCHARGE STORMWATER FROM THE TREATMENT PLANT SITE AND EXTENSION VIA A STORMWATER TREATMENT POND INTO THE CMA, THE GRASSED CAP TO THE SLUDGE LANDFILL BETWEEN ASCOT AND ISLAND ROADS VIA GRASS SWALE STORMWATER TREATMENT TO THE CMA, AND TO ANY OTHER AREAS WHICH ARE PRESENTLY USED FOR OTHER PURPOSES OR SUPPLY CHANNELS EXCEPT FOR THE CREAMERY DRAIN AND THE ORUARANGI CREEK.



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