

A large, thick teal line graphic that starts at the top left, curves down and left, then up and right, then down and left, then up and right, and finally down and left, creating a series of connected, rounded, wave-like shapes that fill the upper right portion of the slide.

Days Bay Incident August 2024

Steve Hutchison

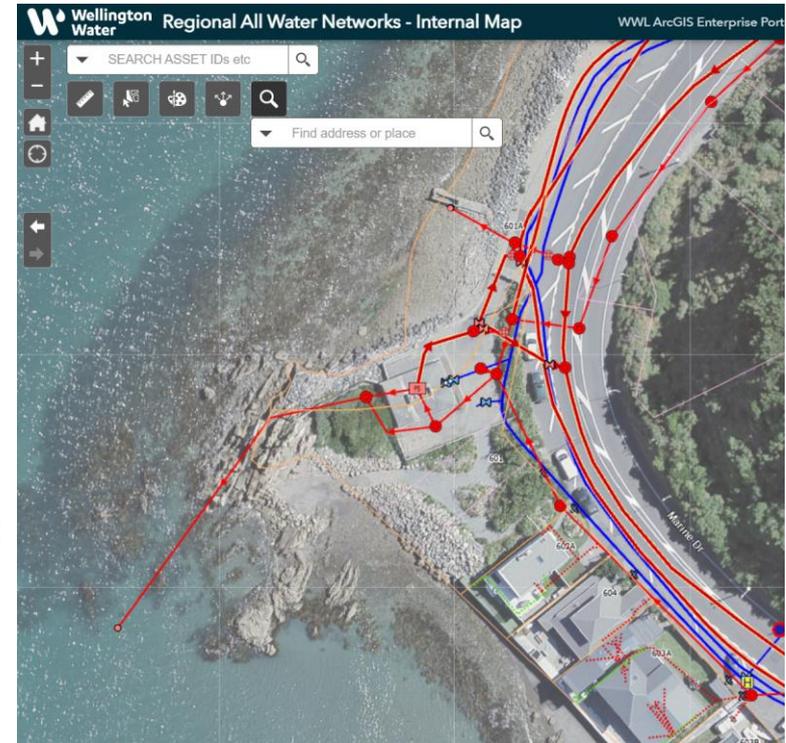
Hutt Valley Services Committee 20 Sept 2024



Our water, our future.

Days Bay pump station - background

- Days Bay site serves Mahina Bay and northern Days Bay
- Originally septic tank (1945)
- Hutt Valley wastewater pumped Seaview to Pencarrow (1962)
- Days Bay upgraded to comminute and pump into Main Outfall (1962)
- Eastbourne pumped to Seaview, kept old connections (1997)
- Seaview WWTP upgraded from milliscreening to secondary and UV treatment (2002)



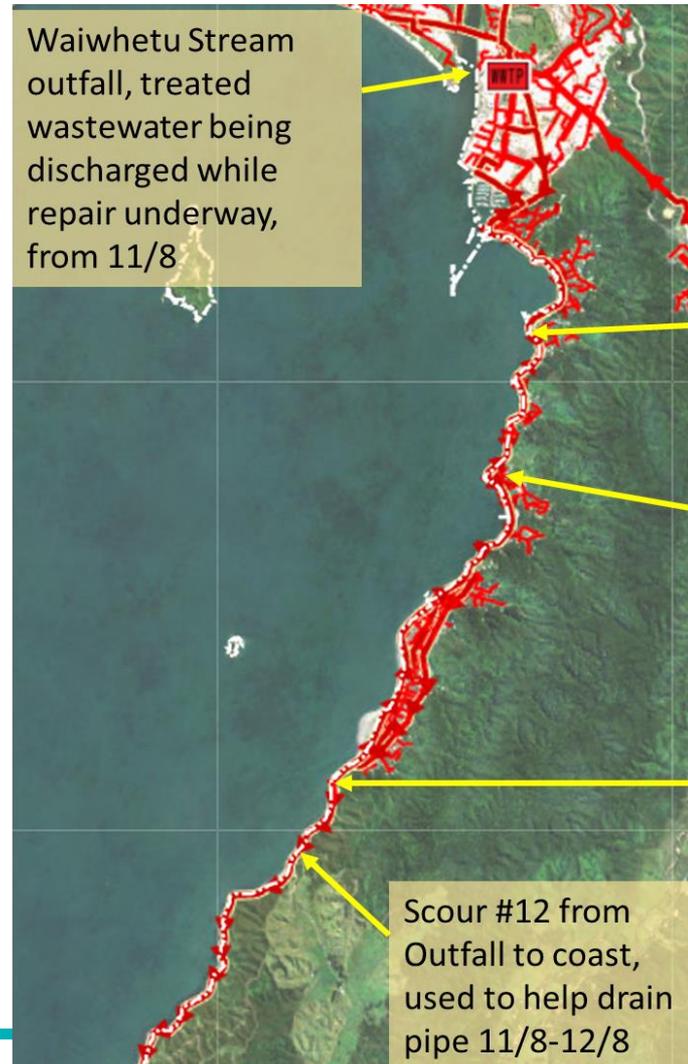
Days Bay incident 10 August 2024

- COG responded to leak outside pump station
- Turning off Days Bay pumps didn't stop the leak
- Incident escalated to EMT
- Old connection from outfall (two valves) couldn't be closed
- Diverted WWTP to Waiwhetū Stream on Sunday 11 August
- Outfall required draining
- Eastbourne pipeline isolated



Multiple sites during initial response

- Days Bay main site
- York Bay and Point Arthur also isolated and tankered
- Scour discharges to drain Outfall pipe
- Waiwhetū Stream discharge
- Rāhui on Waiwhetu Stream (Iwi)



York Bay pump station, initial overflow to harbour, back on line Tues 13/8 PM

Days Bay pump station, site of failed valves/pipes, overflowing to harbour from 11/8, sucker trucks operating from Tues 13/8 PM

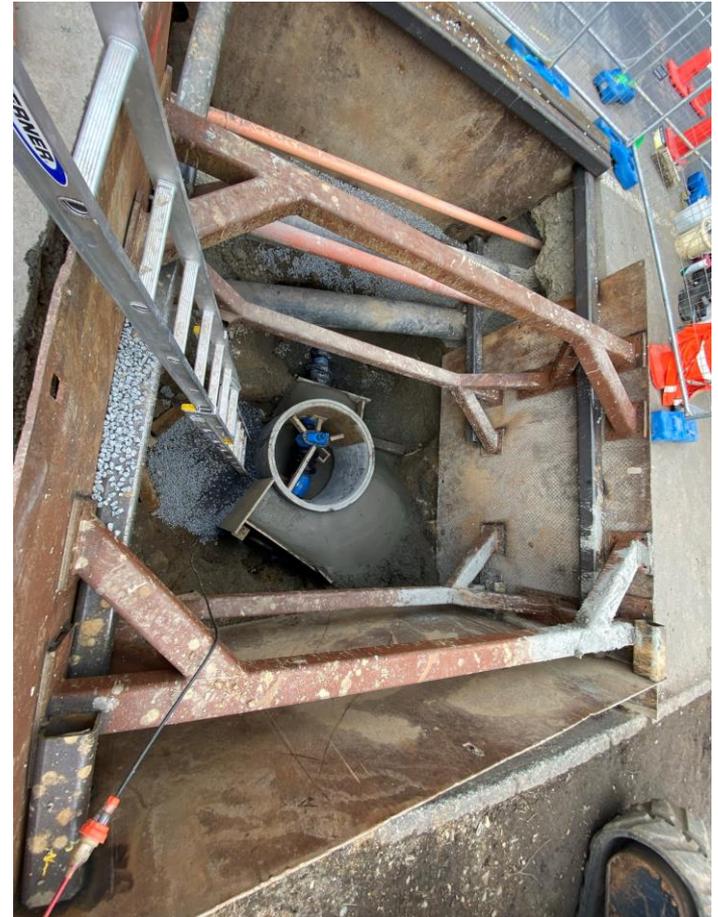
Point Arthur pump station, initial overflow to harbour, back on line Tues 13/8 PM

Scour #12 from Outfall to coast, used to help drain pipe 11/8-12/8

Priority on repairing Main Outfall pipe



- Replacing 1962 failed valve
- Over 3m deep, in road shoulder
- Adjacent to multiple services
- Custom trench shield required
- Recharging outfall line from 22 Aug



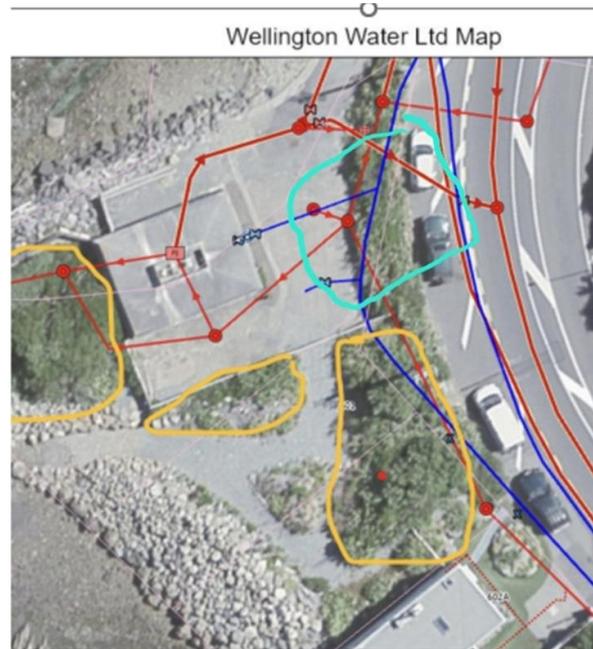
Sucker truck temporary service, next to Wellington Water

- 3 trucks
- 24/7 operation
- Expensive
- Disruptive



Next to penguin sanctuary

- Iwi and DoC involvement
- Detector dog checked area
- Sensitive time of year for nesting



Site works around pump station

- New discharge pipework in pump station
- Four new valves and chambers installed
- Replaced corroded 1962 CLS pipework
- Dewatering of excavations required
- Recommissioned 5 September

