

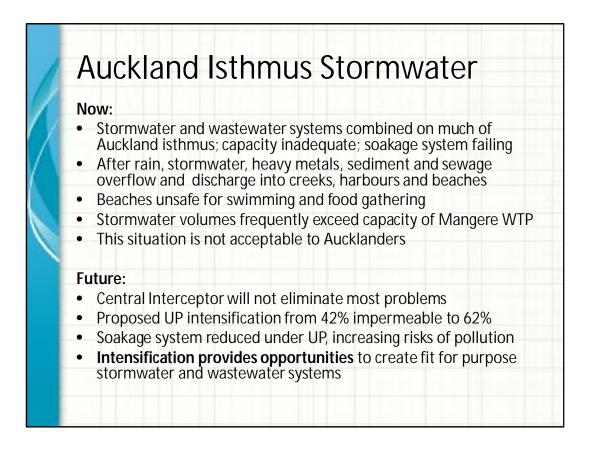


Who we are: SASOC, STEPS, FofOC, MHRS - community groups focused on improved urban stormwater and water quality Auckland isthmus Stormwater Problems Our Vision for Auckland Water Quality Requests of Auckland Council Appendix:

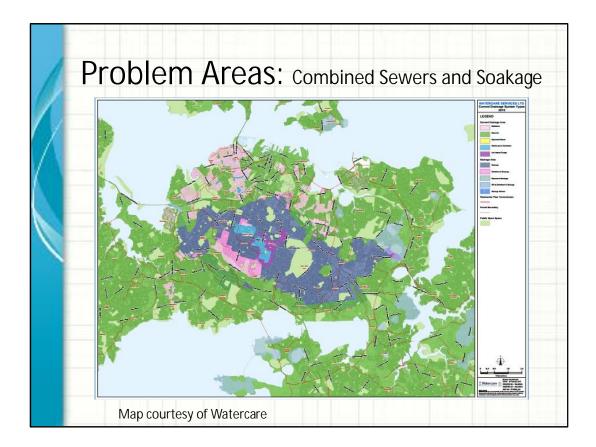
Root Causes

Proposed Solutions

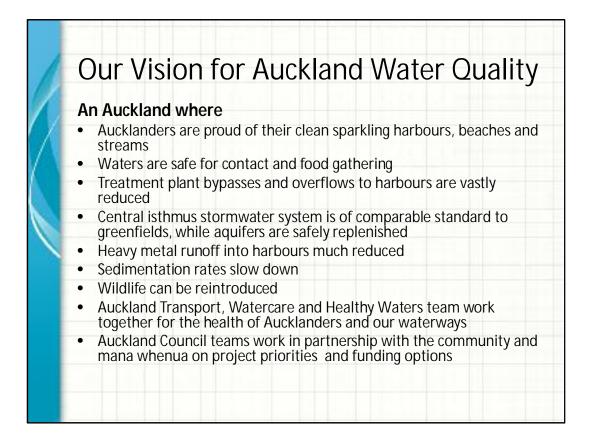
Group Members



- In much of the central Auckland isthmus, stormwater and wastewater systems are combined and lack capacity to handle large volumes of stormwater.
- The soakage system, based on Auckland's largest aquifer is becoming polluted and soakage area greatly reduced under Unitary plan
- During storms, stormwater, heavy metals and sewage overflow into our neighbourhoods and open spaces; raw sewage is discharged into creeks and beaches, making inner beaches unsafe for swimming and food gathering.
- Stormwater volumes exceed capacity of MWTP; Central Interceptor will help but not eliminate problems.
- Proposed intensification will exacerbate problems as the isthmus goes from 42% impermeable surfaces to 62%.
- This situation is not acceptable to Aucklanders.
- Intensification provides opportunity to rebuild and create innovative, fit for purpose stormwater and wastewater systems
- Sediment ref: 2 State of Hauraki Gulf Environment reports



Purple areas – "soakage" with little or no stormwater infrastructure Pink areas – "combined" - stormwater is mixed into sewer/ waste water pipes



An Auckland where

- Aucklanders are proud of their clean sparkling harbours, beaches and streams
- Waters are safe for contact and food gathering
- Treatment plant bypasses and overflows to harbours are vastly reduced
- Central isthmus stormwater system is of comparable standard to greenfields
- Heavy metal runoff into harbours much reduced
- Sedimentation is reduced
- Wildlife can be reintroduced
- Auckland Transport, Watercare and Healthy Waters team work together for the health of Aucklanders
- AC Teams work in partnership with the community on projects and funding options



- Address ecological degradation and human health risks on the isthmus, in the Auckland Plan and the 10 Year LTP
- Community Engagement:
 - Community input may increase community support of options in the LTP process
 - Incorporate community input and develop an alliance with interested community groups now, before options are fixed in the Healthy Waters CANOPy/ Western Isthmus Water Quality Improvement Plans
- Proposed Pilots
 - Waiuku waste water treatment/ reuse for industry
 - Housing NZ pilots for both stormwater and waste water treatment/ use (grey water??)
 - HNZ Waterview stormwater and waste water

treatment http://www.stuff.co.nz/national/86778451/government-announces-50m-social-housing-development-in-waterview

 Coxs' creek, Chamberlain Park – pilots of wetland/ stormwater treatment



- A funding stream for projects in the 10 Year (Long Term) Plan, committed to the 'rebuilding' of stormwater systems (ie the combined sewers and soakage areas) on the isthmus over 10- 20 years
- Treat Water in the Auckland Plan at the highest level, capturing the connectedness of people and water in all its forms and giving a strong base for action on stormwater infrastructure and water reuse
- Identify Water outcomes in the Auckland Plan Drinking water Wastewater Stormwater
 - Creeks harbours and beaches
- Ensure the Auckland Plan reflects the interconnectedness of aspects of water and is innovative

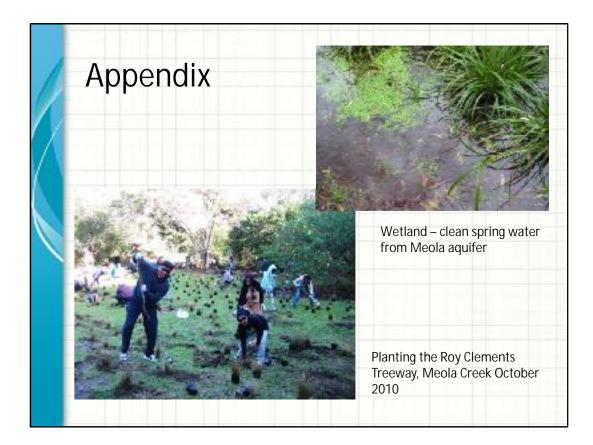


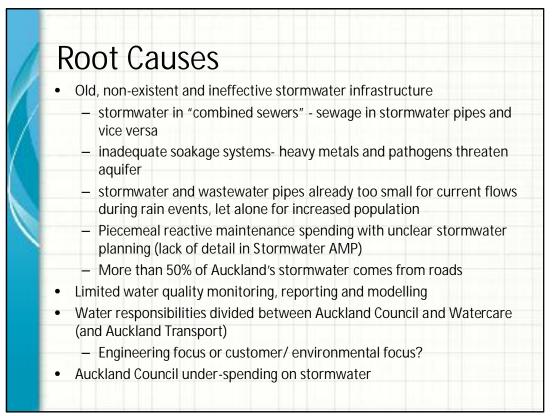
Councillors for your support and openness Committee Chairs Ward Councillors

Watercare

Professionalism and honesty Engagement and responsiveness Willingness to 'try new ways' – EAG, CLG Still some way to go, but open to learning Examples: hydrodynamic model of Manukau CLG – Community Liaison Groups becoming effective

Auckland Council

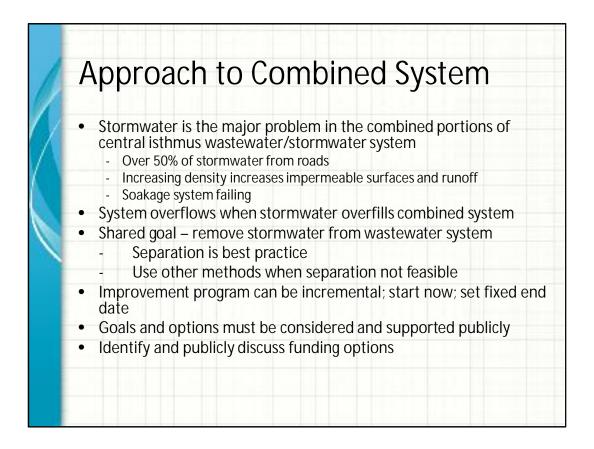




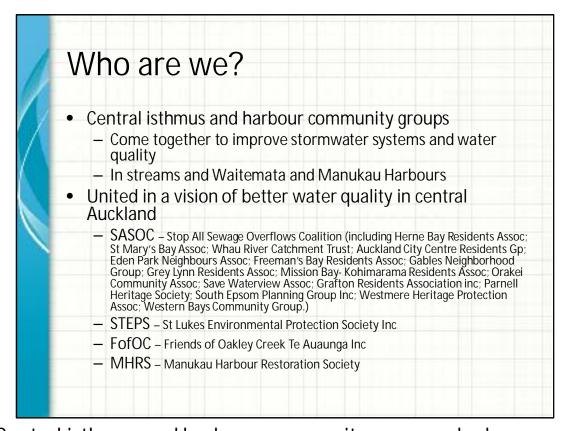
- Old, non-existent and ineffective stormwater infrastructure
 - stormwater in "combined sewers" sewage in stormwater pipes and vice versa
 - inadequate soakage systems- heavy metals and pathogens threaten aquifer
 - stormwater and wastewater pipes already too small for current flows during rain events, let alone for increased population
 - Piecemeal reactive maintenance spending with unclear stormwater planning (lack of detail in Stormwater AMP)
 - Over 48% of Auckland's stormwater comes from roads
- Limited, non-transparent water quality monitoring and modelling
- Water responsibilities divided between Auckland Council and Watercare (and Auckland Transport)
 - Engineering focus or customer/ environmental focus?
- Lack of Auckland Council spending on stormwater



- Comprehensive Water Strategy covering sewage, stormwater and drinking water
- Approved and funded stormwater infrastructure projects in 10 year plan
- Innovative proof of concept projects:
 - Collection and local treatment of stormwater including wetlands
 - Reuse of treated sewage and stormwater
- Protection of fresh water ecology and environments
- Budget and funding mechanism for stormwater
- Strong leadership/ champions and community engagement



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Central isthmus and harbour community groups who have come together to improve stormwater systems and water quality in streams, and in Waitemata and Manukau Harbours United in a vision of better water quality in Auckland SASOC – Stop All Sewage Overflows Coalition -Auckland City Centre Residents' Group Inc Eden Park Neighbours Association Inc Freemans Bay Residents Association Inc Gables Neighbourhood Group Grey Lynn Residents Association Inc Mission Bay-Kohimaramara Residents Association Inc **Orakei Community Association Inc** Save Waterview Association The Grey Lynn and Westmere Residents' Association Inc The Herne Bay Residents Association Inc The St Mary's Bay Association Inc The Whau River Catchment Trust Westmere Heritage Protection Association Western Bays Community Group Inc STEPS – St Lukes Environmental Protection Society Inc FofOC – Friends of Oakley Creek Te Auaunga Inc MHRS – Manukau Harbour Restoration Society