

Memorandum

To Robert Burgoyne
From Casper Kandori
Copies Andrew Carvell
Gemma Sands
Subject **Waipu and Langs Beach/Waipu Cove Wastewater Capacity**
Date 21 March 2017

WDC Waste & Drainage have been requested to comment on wastewater capacity within the Waipu and Langs Beach-Waipu Cove wastewater system in relation to the proposed plan change in Langs Beach, Waipu Cove and Waipu areas.

The initial capacity assessment and comment based on the VK Report has been reviewed, and adjustments made to take into account the following factors:

- Actual flow in the network (Dry weather flow & wet weather peaking factors)
- Number of properties and household units equivalency (HUEs) currently connected to the network
- Change in sewer system technology like such as pressure sewer systems

The revised capacity assessment shows that:

- Limited capacity of the Langs Beach-Waipu Cove rising mains;
- Limited capacity of some pump stations
- Limited capacity remaining in respect of the flow limits set down in the resource consent authorising the wastewater discharge at Waipu Wastewater Treatment Plant (Based on monitoring of current flows);
- Limited treatment capacity of the treatment system itself.

Council Long Term Plan 2015/25 identifies a couple of projects which are planned to be completed in these areas, which should create capacity in the wastewater system.

Upgrade of the treatment plant is planned to be completed in 2021/22 financial year, with expectation to increase the capacity by at least 50%. Connection of any development due to the proposed plan change will not be possible at least until completion of the plant upgrade.

Langs Beach-Waipu Cove rising main is scheduled for upgrade in 2024/25. Again, connection of Langs Beach & Waipu Cove sites will only be possible after completing the upgrade of the treatment plant and the rising mains.

There may be an opportunity to review the timing of upgrade projects (treatment plant and pipeline) as part of the 2018/28 LTP.

Some pump stations around Waipu and Waipu Cove & Langs Beach will be upgraded as planned in the LTP but this is not envisaged to have major impact on the timing of the plan change.