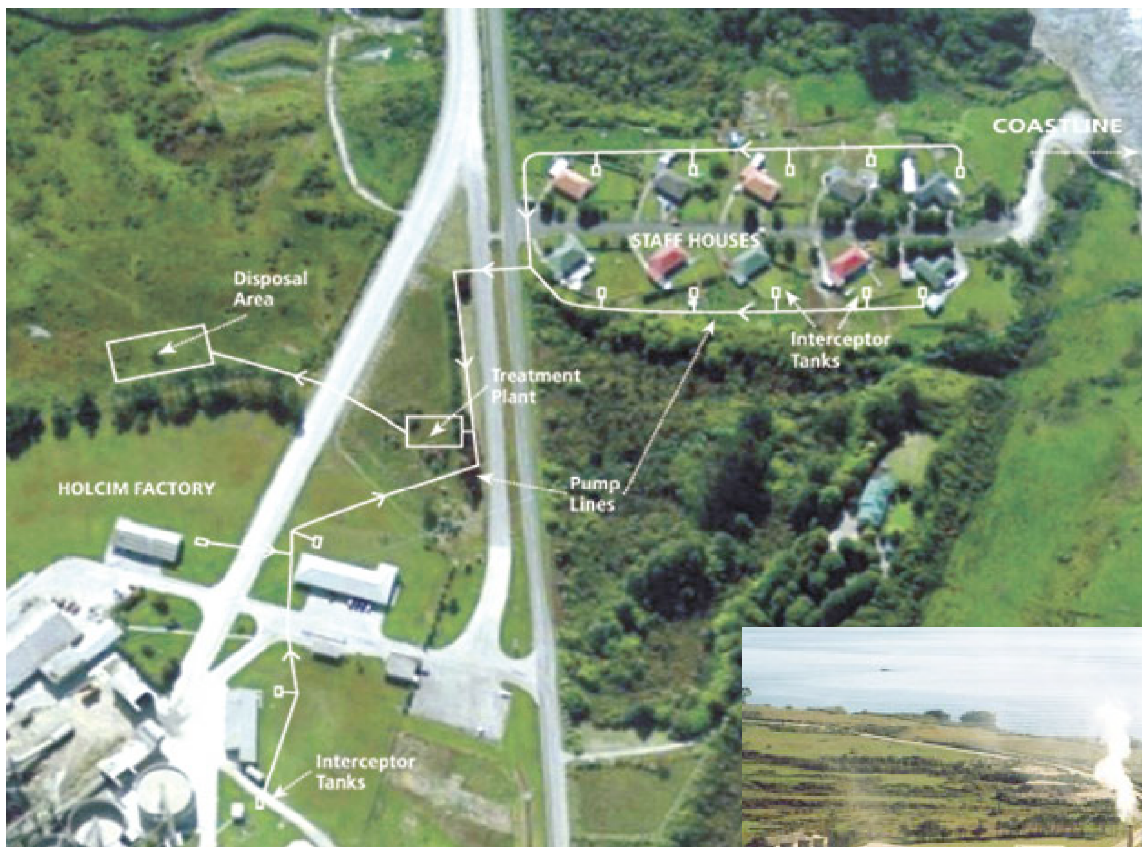


New Community Sewage System first on the West Coast

The old septic tank servicing the Holcim (formally Milburn) cement factory (employing 100+ workers) and the 10 staff houses has been replaced with a state of the art sewage to clearwater treatment system. This is the first 'Brown Fields' development in the area where an existing sewage system was upgraded to enable full secondary sewage treatment to be carried out.

The site presented a number of challenges including the waterlogged nature of the ground in the winter that becomes so

The sewage from each house, and factory ablution facility (including the staff cafeteria, administration block, laboratory and separate staff toilets) was collected in interceptor tanks fitted with screened (filtered) pump vaults. The screened pump vaults both filter the effluent and pump it to the recirculating textile Packed Bed Reactor (rtPBR) treatment plant which treats the effluent to a quality of BOD:TSS of 15:15 or better. The treated effluent is then pumped into the disposal area.

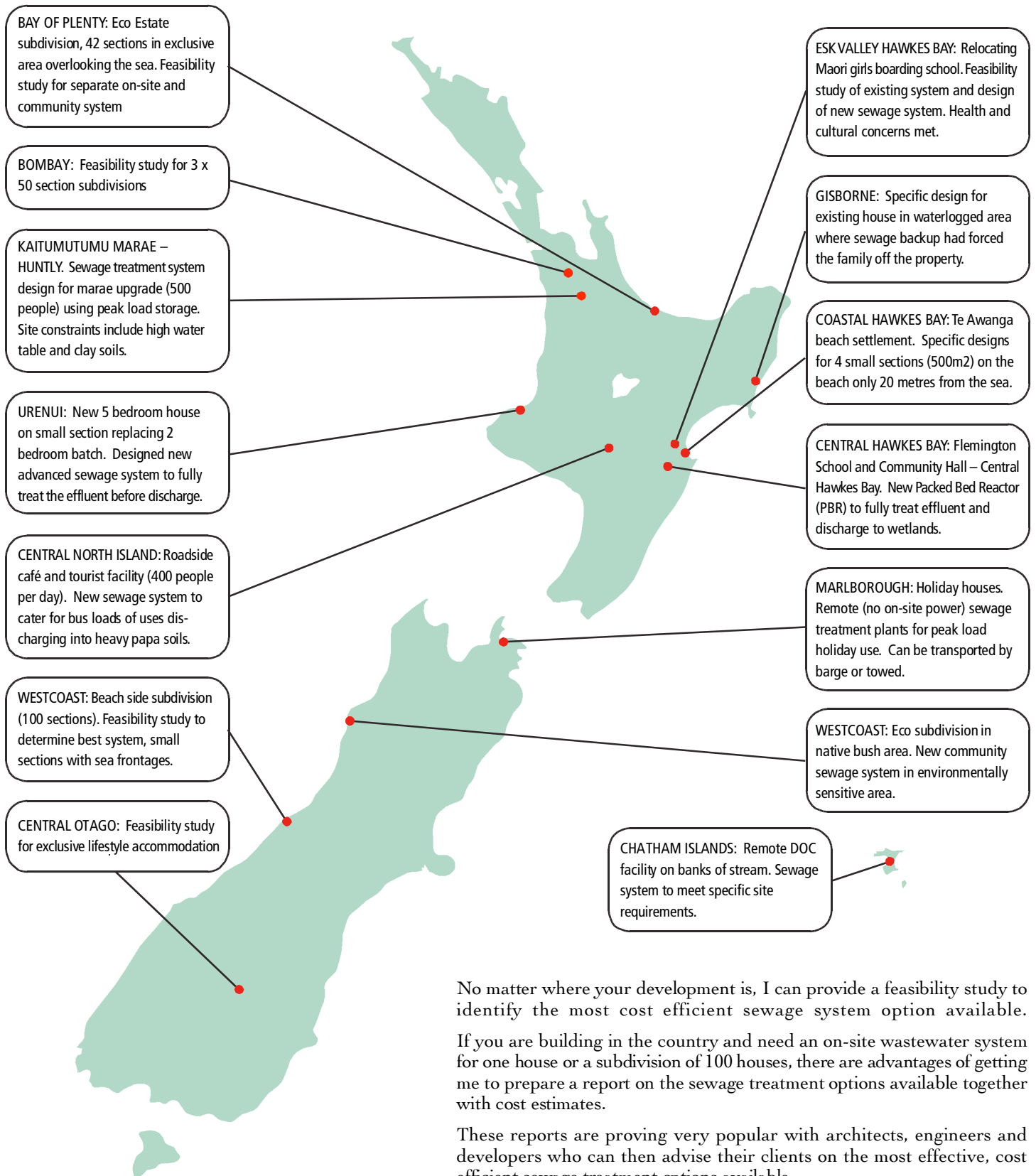


saturated even hand pushed lawnmowers become bogged down in the back yard and cows are up to their bellies in the paddock. As the existing houses had combined sewer and stormwater piping, the sewer drain to each house was re laid to eliminate any groundwater infiltration.

This allowed the treatment system to be designed solely for the wastewater flows (15,000 litres per day) from the factory and staff houses. As most of the cost of sewage treatment relates to the treatment plant, there can be considerable savings in isolating the sewage and stormwater at their source.

SEWAGE SYSTEMS DESIGNS - NATIONWIDE

Feasibility Reports Available



No matter where your development is, I can provide a feasibility study to identify the most cost efficient sewage system option available.

If you are building in the country and need an on-site wastewater system for one house or a subdivision of 100 houses, there are advantages of getting me to prepare a report on the sewage treatment options available together with cost estimates.

These reports are proving very popular with architects, engineers and developers who can then advise their clients on the most effective, cost efficient sewage treatment options available.