

LITTATRAP™

Farro Fresh Supermarket, Mairangi Bay, Auckland

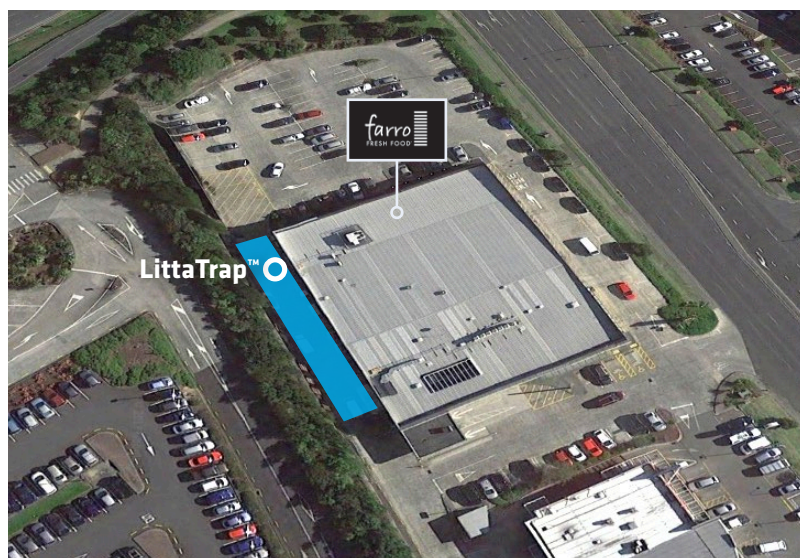
farro
FRESH FOOD

LITTER HOT SPOT - LOADING ZONE

Last year Stormwater360 approached Farro Fresh to install a trial LittaTrap™ in a loading zone storm drain to monitor how much plastic and litter could be stopped from entering the stormwater system.

The LittaTrap™ was installed at the Mairangi Bay store, and was maintained and monitored over six months.

The LittaTrap™ is a solution for companies that have a commitment to our environment. Those companies that want to take a proactive approach to stopping plastic from their site entering the stormwater system and making its way to the ocean.



CATCHMENT

The LittaTrap™ was placed outside the service entrance to the supermarket where goods are received and dispatched. The catchment area was approx. 500 sq metres.



The LittaTrap™ is a storm drain insert system. It is readily installed in new or existing storm drains and may be configured to capture a variety of pollutants. The LittaTrap™ is hand maintainable, allowing for low cost and frequent maintenance.

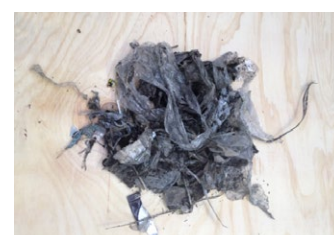
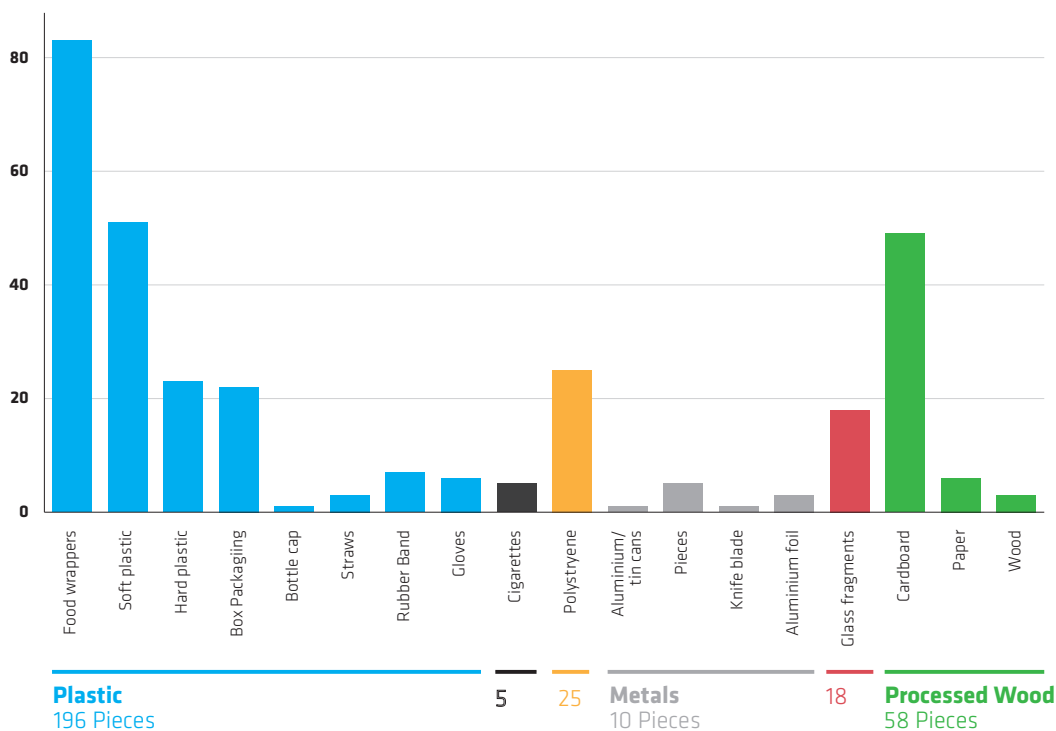
By installing a LittaTrap™ there is a significant improvement of capturing plastic and other litter which are washed down a storm drain when it rains.

Results

The final results yielded a total of 312 pieces of rubbish captured. The litter counted was typical of the environment in which the LittaTrap™ was installed, including soft and hard plastics, glass, cigarettes, metals and woods.

The largest type of pollutant counted was plastic food wrapping (83 pieces), followed by soft and hard plastic, and polystyrene. Without the LittaTrap™ installed, these pieces of litter would flow straight into the stormwater system and out to sea.

The LittaTrap™ also captured over 12kgs of organic matter, mainly consisting of leaves and food waste. Organic matter that makes it into our waterways leaches nitrogen and phosphorus – both harmful nutrients to our waterways.



CONCLUSION

The LittaTrap™ installed captured over 300 pieces of detrimental litter that would have otherwise ended up in our oceans. This was only one LittaTrap, in one location, for a short period of time. There are over 3000 supermarkets in New Zealand, this means that we could be stopping over one and half million pieces of plastic every year if every loading zone had a LittaTrap™ installed.

OVER 300 pieces of litter trapped

1 SITE / 6 MONTHS