



Stewart Island / Rakiura Community & Environment Trust

for people for environment

SIRCET Rat Monitoring Results, 23rd-24th May 2019

Rat monitoring tunnels were opened on the 23rd of May in clear weather conditions in the HMBHRP area. The Core, Buffer and Community Zones and the control at Ryan's creek were monitored. The previous monitoring was carried out on 13^h of February 2019.

Total results for the whole Halfmoon Bay Habitat Restoration Project Area (Core, buffer, community zones combined) came in at **15%** showing a slight increase in positive rat tracking, up from 12%

Positive rat tracking in the **Core Zone** has remained constant at **4%**,

Positive rat tracking in the **Buffer** zone has increased from 0% to **20%**

Positive rat tracking in the **Buffer and Core combined** has increased from 3% to **9%**

Positive rat tracking in the **Community Zone** has remained constant at **20%**, down slightly from 21%.

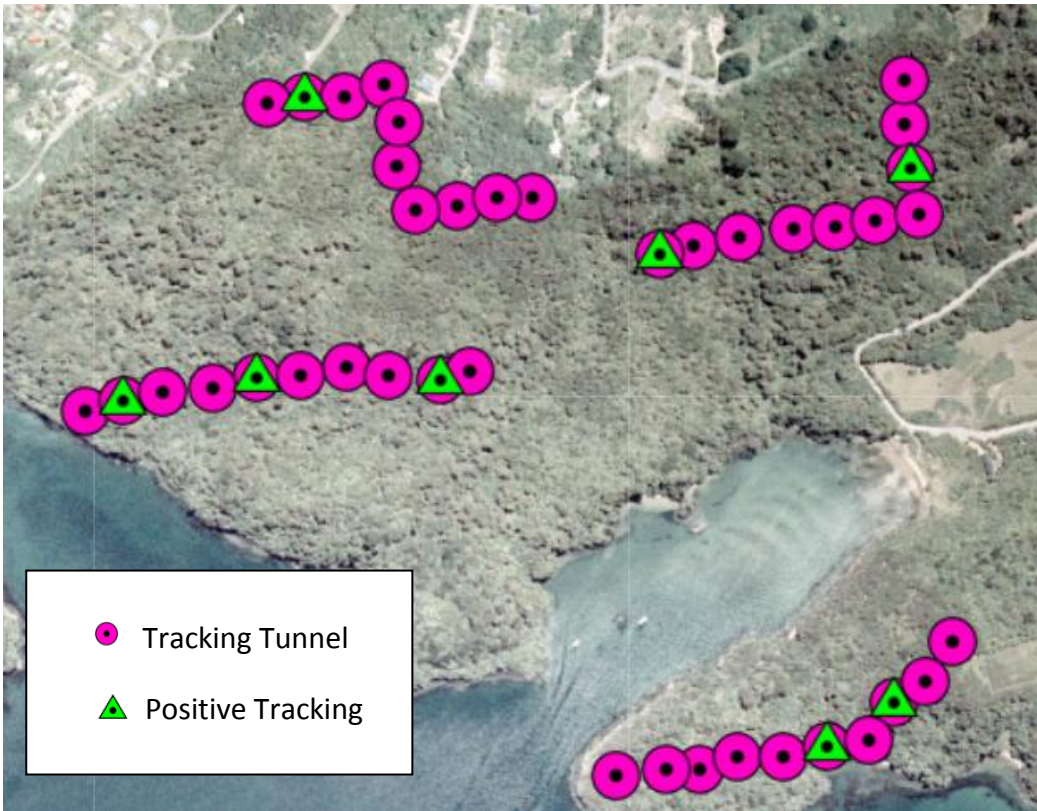
The highest single line in the Project Area : **RML6** (Golden Bay), showed 30% positive rat tracking. The previous highest line RML4 (Deep Bay) has dropped to 20% from 40%

Ryan's creek, which is our control area outside of SIRCET's trapping project area has shown an increase in positive rat tracking from 6% to **15%** 8 possums were detected in tunnels here with 5 tracking cards showing significant possum disturbance. Possum disturbance was most apparent on the Southern line – RML8

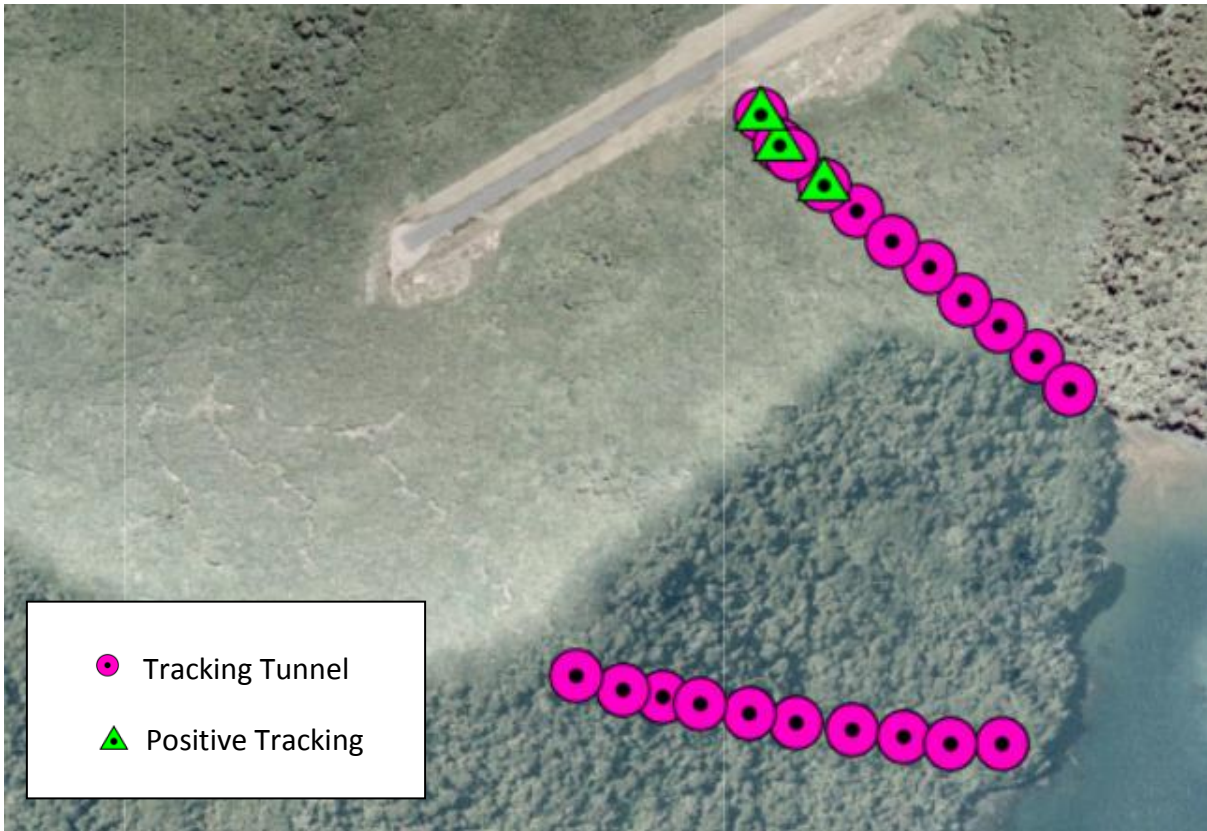
The next monitoring cycle is due at the first suitable weather window in **late August / Early September**



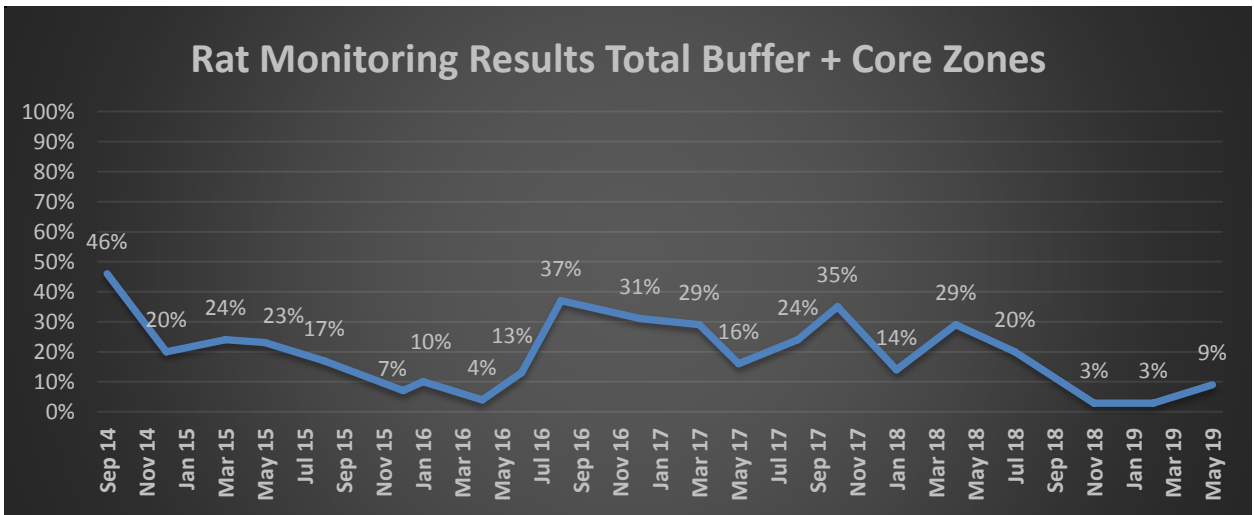
Core and Buffer Zone Rat Monitoring Tunnels



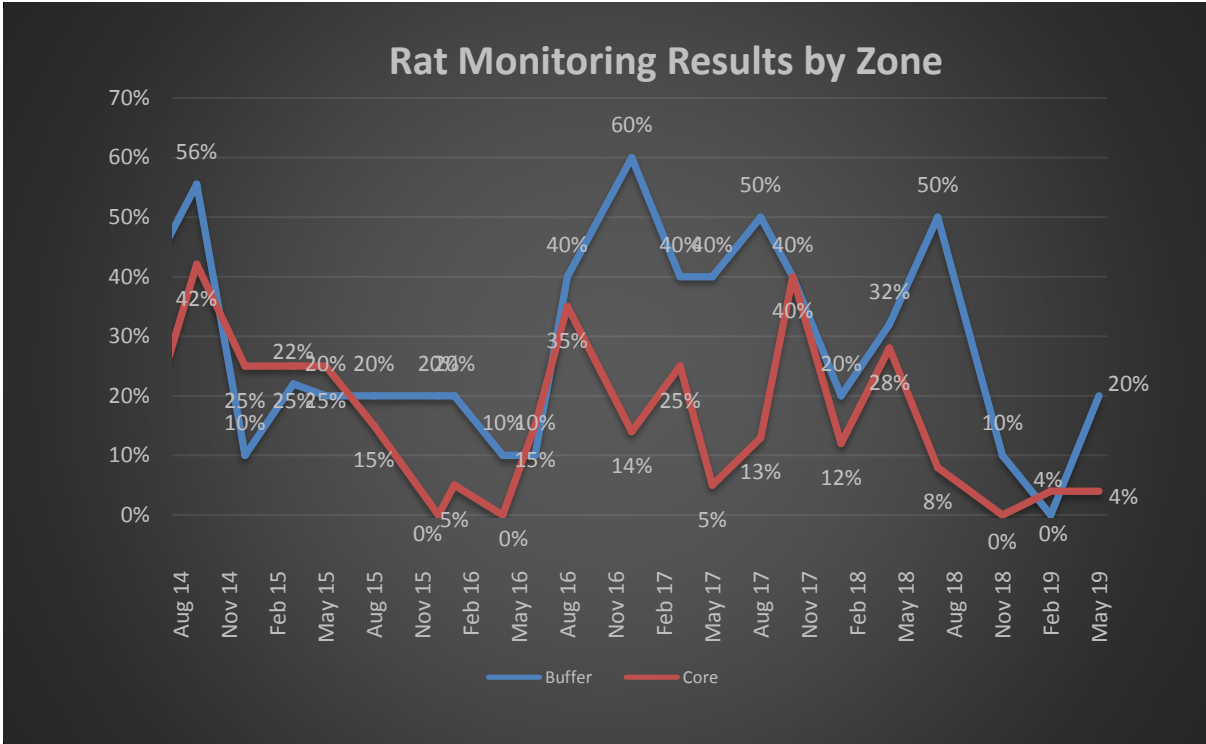
Community Zone Rat Monitoring Tunnels



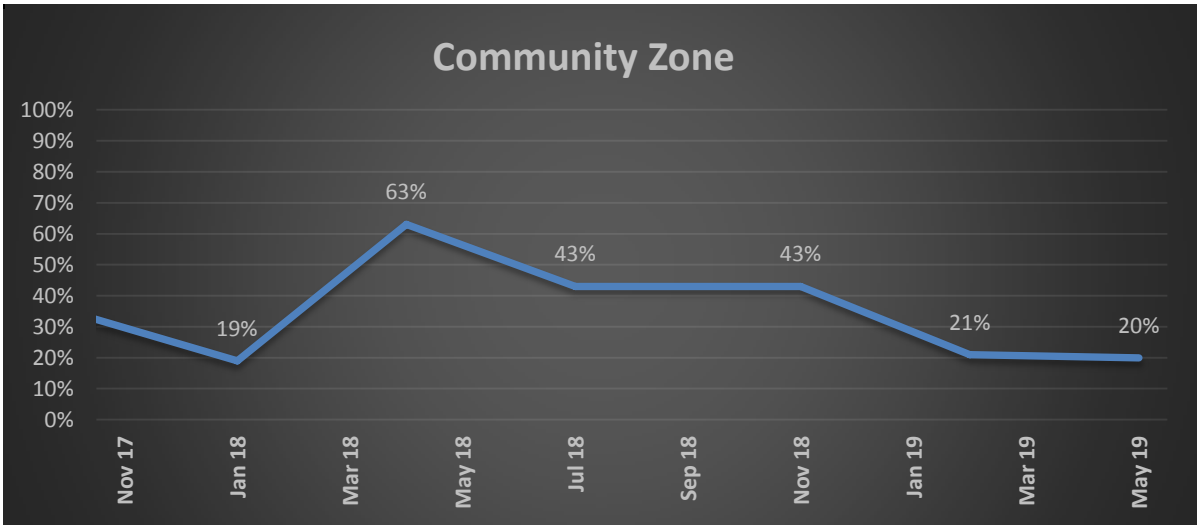
Ryans Creek Control Area (Outside of SIR CET Trapping area)



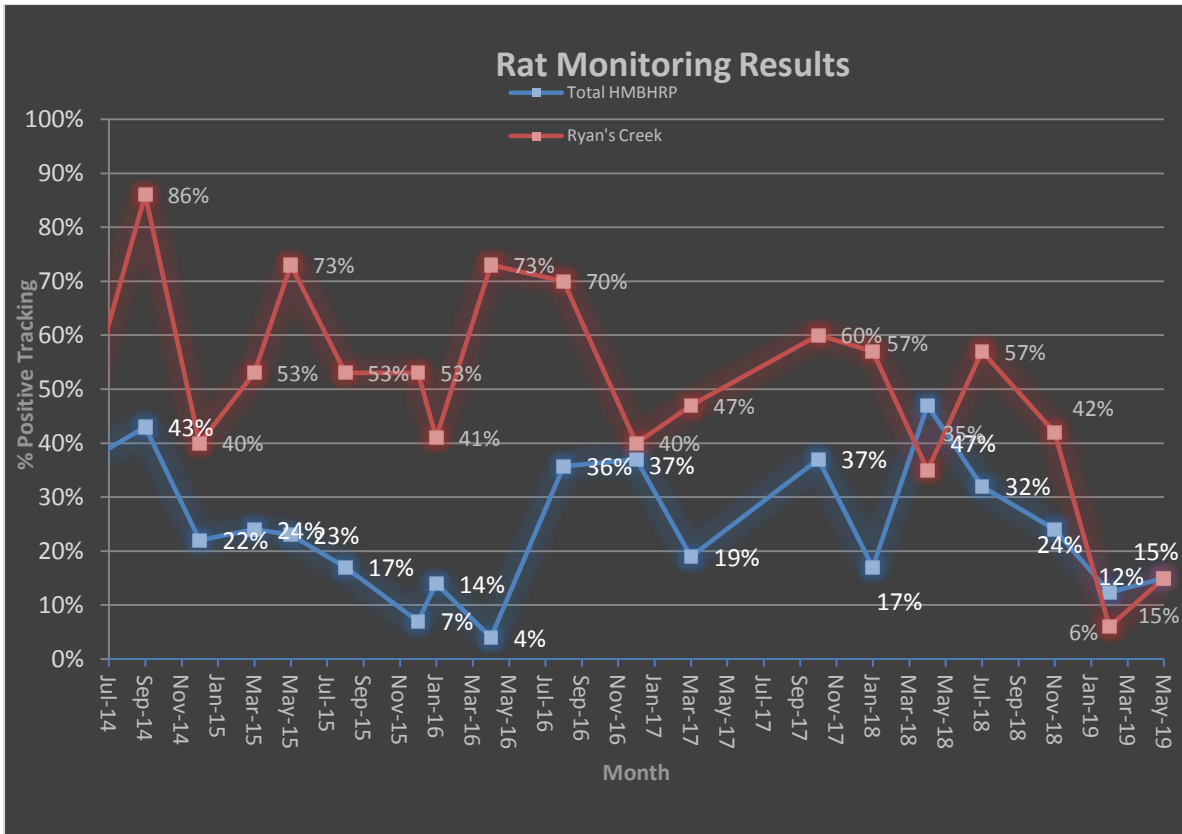
Rat Monitoring Results – Core and Buffer combined



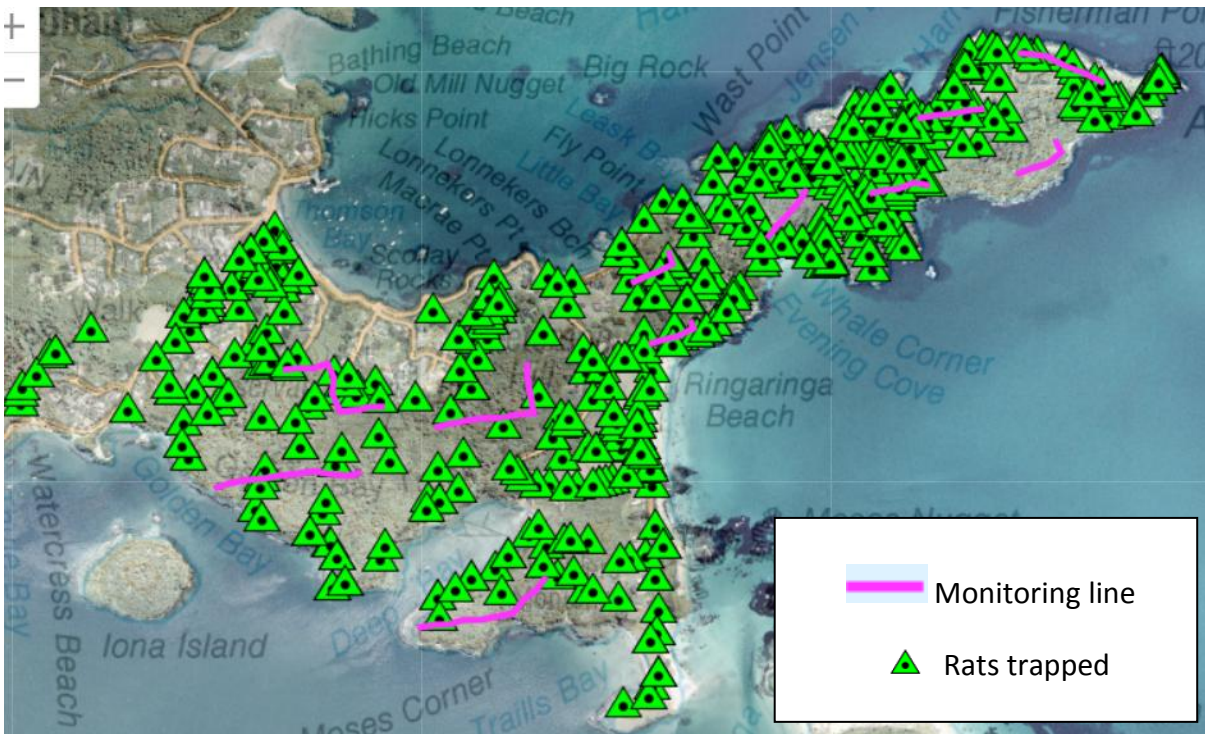
Rat Monitoring Results – Core and Buffer



Rat Monitoring Results – Community Zone



Rat Monitoring Results – Halfmoon Bay Habitat restoration Project area (community, buffer and core) vs control zone at Ryan's creek



Rats caught in traps: 23/4/2019 – 23/5/2019 – 563 rats trapped (excluding A24's)