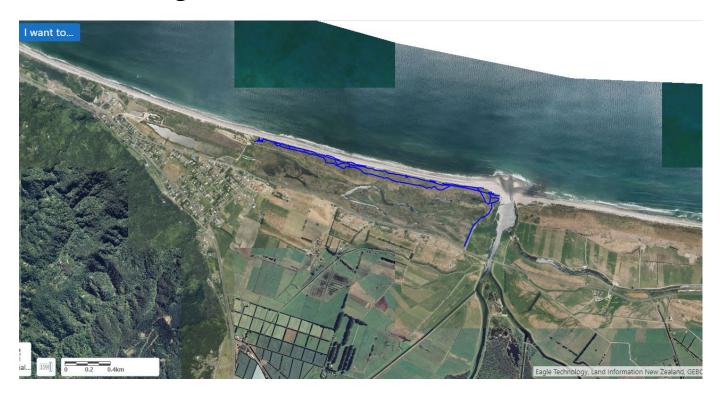
DOC managed sites

Eastern BOP

Matata Lagoon - 6.17 km Vehicle tracks



Total of 6.17kms of tracks

Track length x 2m width

 $= 6.171 \text{m} \times 2 \text{m}$

12,342 m2 Earth disturbance

Track length x edge effect

= 6171m x 6m

37,076 m2 Vegetation Disturbance

Thornton Lagoon - 6.71 km Vehicle tracks



Total of 6.71kms of tracks

Track length x 2m width

 $= 6,709m \times 2m$

13,418 m2 Earth disturbance

Track length x edge effect

= 6709 x 6m

40,254 m2 Vegetation Disturbance

Ōpihi - 1.2km tracks



Total of 1.24kms of tracks

Track length x 2m width

= 1241m x 2m

2,482 m2 Earth disturbance

Track length x edge effect

= 1241 x 6m

7446 m2 Vegetation Disturbance

Tirohonga Dunes - 0.5 kms



Total of 0.5 kms of tracks

Track length x 2m width

 $= 500m \times 2m$

1,000 m2 Earth disturbance

Track length x edge effect

 $= 1000 \times 6m$

6,000m2 Vegetation Disturbance

Loss of dunes - overview

	Matata	Thornton Lagoon	Opihi	Tirohonga dunes	Total
Vechicle tracks	6.17km	6.71 km	1.24 km	0.5 kms	14.62km
Earth disturbance	12,342m2	13,418m2	2,482m 2	1,000 m2	29,242m2
Vegetation disturbance	37,076m2	40,254m2	7,446m 2	6,000m2	90,776m2

These likely underestimate the loss, as are based on old aerial images, and smaller tracks not included. Estimated plus 20% to above figures.



Significance

I would normally lnk the importance of the ecosystem, threatened flora and fauna ,and significance of coastal dunes systems to the local iwi............ But stopped as this presentation is for DOC "Te Papa Atawhai"The Government agency charged with conserving New Zealand's natural and historic heritage.

Will leave you with some conservative figures

14 kms of vehicles along dunes

2.9 ha of earth disturbance

9 ha of vegetation disturbance