

MINO-442 - Northland Skid Resistance Thresholds

29 August 2022

Following the WPQ-26610 (2022) response, how does the Northland State Highway network skid threshold assessment figure from this question compares to previous years.

Waka Kotahi NZ Transport Agency's response:

Waka Kotahi can report skid threshold by two methods.

- Good Skid Exposure (Threshold Level - TL):
Which is based on the number of vehicles travelling over sections of State Highway and therefore the exposure to skid values below TL criteria across the State Highway Network.
This measure is reported annually through our pavement condition tables.
- Length of State Highway below TL:
Individual reading based on TL of a length of State Highway.
This represents a reading taken prior to investigation and development of a programme of work to manage these sites to keep them safe.

1. Good Skid Exposure:

- Good Skid Exposure is the percentage of the vehicles travelling across skid values above the Threshold Level (TL). The values below represent Northland State Highway network exposure for the last five years.
- This data is depicted in two ways below and shows an improving trend over the past five years.

Figure 1: Showing the percentage of the Northland State Highway network above the threshold level, with a trendline for the past 5 years.

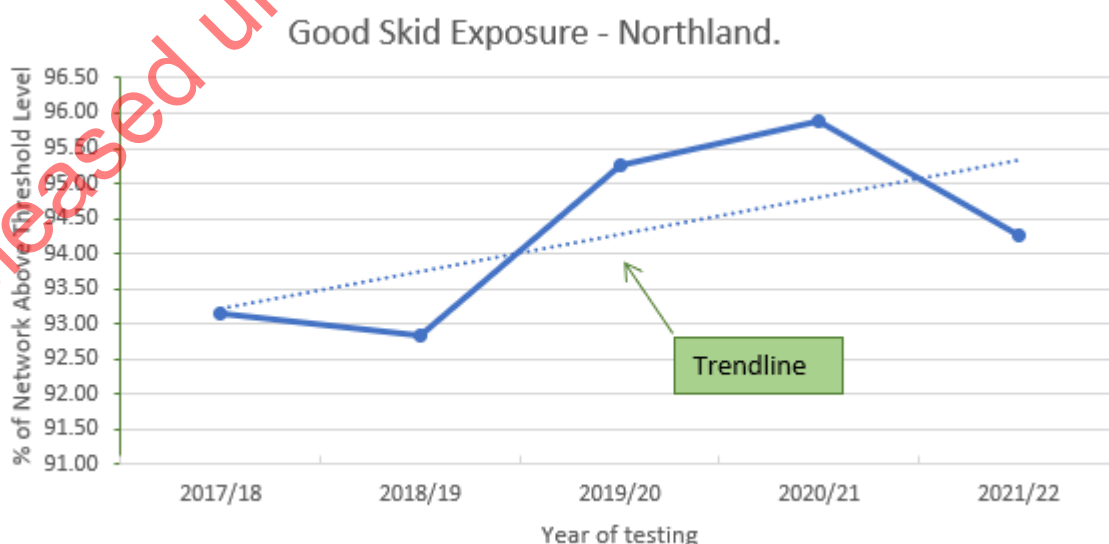


Table 1: Showing the percentage of the Northland State Highway network above the skid threshold level, with the trendline figure.

Good Skid Exposure - %TL	2017/18	2018/19	2019/20	2020/21	2021/22	Trendline
Northland	93.16	92.82	95.25	95.89	94.25	0.53

2. Length of State Highway Below TL:

- The table below is the percentage of the Northland Network above and below the Threshold Level (TL).
- Please note that the values represent readings taken in January of each year and have not been amended for sites with temporary contamination causing a low reading or sites where work was completed after the survey. The readings in table 2 represent a worst case.

Table 2: January survey results with percentage below Threshold Level (TL)

Northland	2017/18	2018/19	2019/20	2020/21	2021/22
% of network below TL	6.10%	4.80%	4.30%	4.40%	6.90%
% of network above TL	93.9%	95.2%	95.7%	95.6%	93.1%

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