

# TII Winter Maintenance Programme

Owen Smith Network Management

# Winter Service Plans



## Sample Winter Service Plan

[INSERT TII Ref. No.]

Winter Service Plan  
Template

Local Authority Logo &  
Technical Advisor Logo

Date: xx/xx/20xx

## Spread Rates for Dry Salting

Target Spread Rates – Dry Salting (g/m <sup>2</sup> ) Treatment Matrix				
Road Surface Temperature (RST) when frost/ice is predicted	Spreader Capability			
	Fair		Good	
	Dry/Damp Road	Wet Road	Dry/Damp Road	Wet Road
At or above -1.0°C	8	8	8	8
-1.1°C to -2.0°C	8	11	8	8
-2.1°C to -3.0°C	9	17	8	13
-3.1°C to -4.0°C	12	23	9	17
-4.1°C to -5.0°C	14	28	11	21
-5.1°C to -7.0°C	20	39	15	30
-7.1°C to -10.0°C	27	54	20	40
-10.1°C to -15.0°C	38	75	28	56



HOME RECENT CHANGES WHO WE ARE SEARCH

Home - Downloads

## Downloads

### Documents related to the TII Publications system

A number of other TII documents, closely aligned with the TII Publications system but not a formal part of it, are available for download below:

- + Compiled Sets of SCDs
- + Project Appraisal Guidelines
- + Sample Appendices associated with Specification for Works (CC-SPW documents)
- + Appendices Associated with Design of Vehicle Restraint Systems to DN-REQ-03034
- + Appendices Associated with Design of Vehicle Restraint Systems to DN-REQ-03079
- Appendices Associated with Winter Service Manual to AM-PAV-06051

**TII\_Winter-Service-Plan-Template.docx**  
Size: 548.5K bytes Modified: 31 August 2022, 16:46

# Winter Service Duty Rosters – Now due

Winter Service Duty Engineers' Roster for the Period 16<sup>th</sup> October 2023 to 30<sup>th</sup> April 2024

Local Authority Name: \_\_\_\_\_

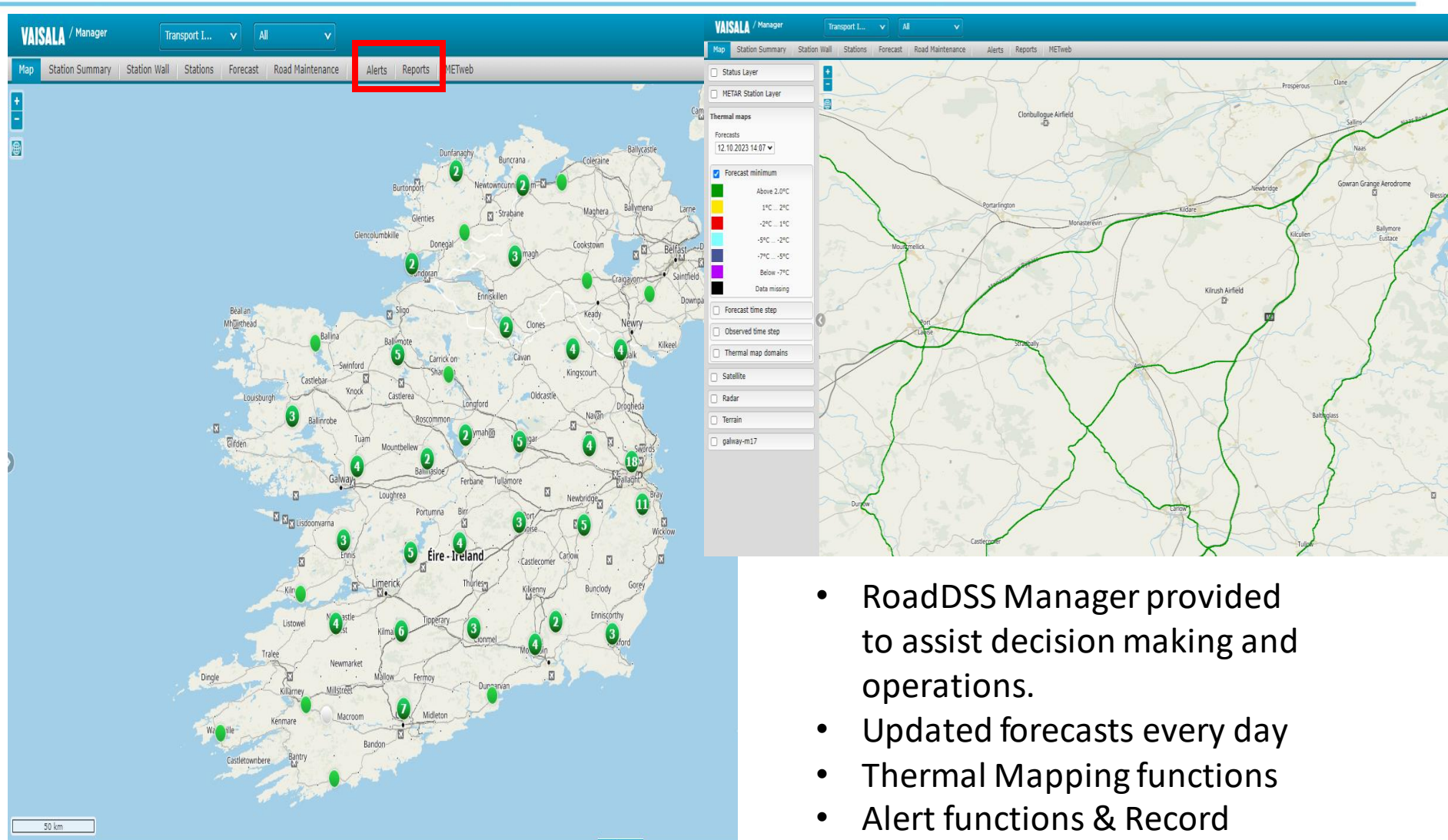
Week starting Monday	Duty Engineer's Initials	Week starting Monday	Duty Engineer's Initials	Week starting Monday	Duty Engineer's Initials	Week starting Monday	Duty Engineer's Initials
16/10/2023		04/12/2023		22/01/2024		11/03/2024	
23/10/2023		11/12/2023		29/01/2024		18/03/2024	
30/10/2023		18/12/2023		05/02/2024		25/03/2024	
06/11/2023		25/12/2023		12/02/2024		01/04/2024	
13/11/2023		01/01/2024		19/02/2024		08/04/2024	
20/11/2023		08/01/2024		26/02/2024		15/04/2024	
27/11/2023		15/01/2024		04/03/2024		22/04/2024	

Duty Engineer's Name & Initials	Office Phone No	Office E-mail Address	Mobile No

Send to: CAFO, Met. Éireann, Glasnevin Hill, Dublin 9. Attention: Duty SMO. E-mail: [forecasts@met.ie](mailto:forecasts@met.ie)

Copy to: Owen Smith, Transport Infrastructure Ireland, Parkgate Business Centre, Parkgate Street, Dublin 8. E-mail: [owen.smith@tii.ie](mailto:owen.smith@tii.ie)

# Winter Service Decision Making



- RoadDSS Manager provided to assist decision making and operations.
- Updated forecasts every day
- Thermal Mapping functions
- Alert functions & Record keeping

# Winter Maintenance Fleet Upgrade Programme



TII Approval Required in advance

- Route Optimisation report required
- Consultation with Local Authorities throughout
- Spreader requirements based on NR route lengths at  $25\text{gm}/\text{m}^2$
- Depot locations and required infrastructure assessed.
- Salt storage and brine requirements.
- Regional Road optimisation included within report.

# Winter Maintenance Fleet Upgrade Programme

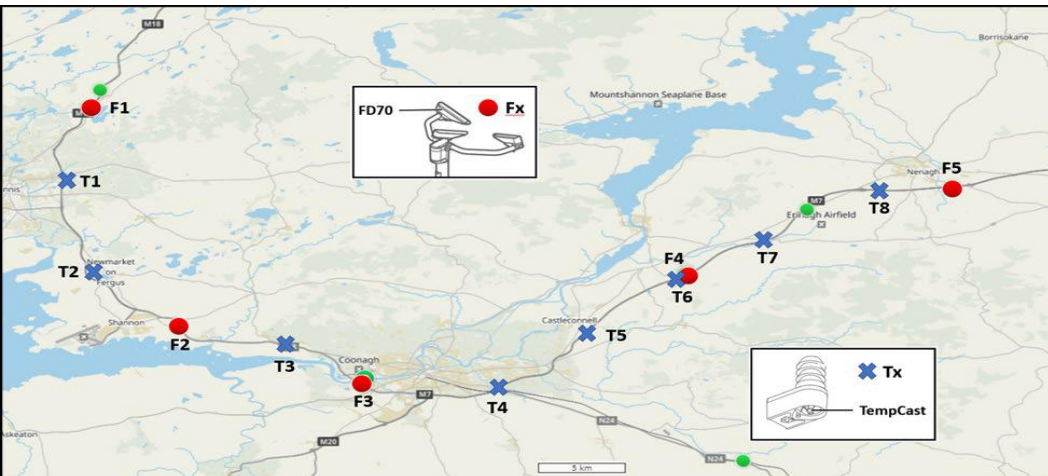
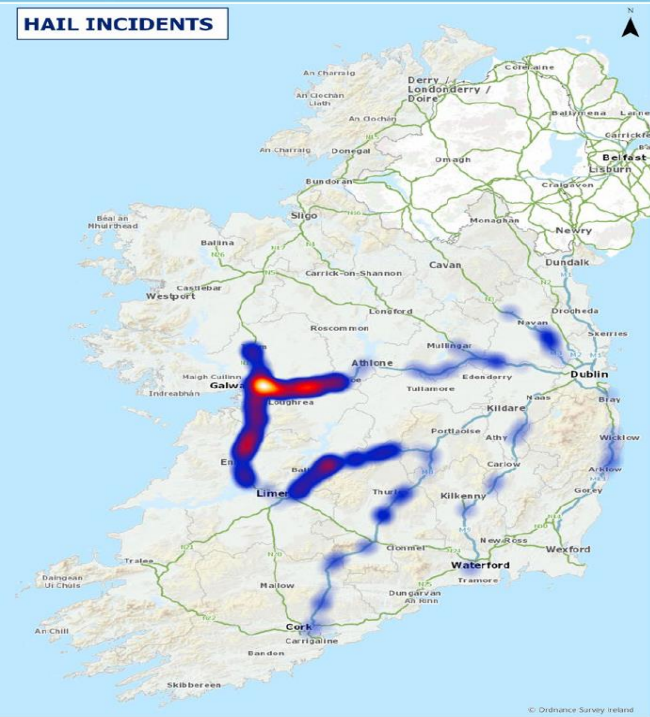


## 2023 Upgrade Programme Summary

- €3.5m incl. VAT in approved funding
- 12 No. 10.5m<sup>3</sup> Pre-wet spreaders permanently mounted
- 2 No. demountable Pre-wet spreaders
- 3 No. Brine Saturator installation approvals
- 2 No. Brine Saturator proposals approved (Part 8)
- Depot/Salt Barn Upgrade requests under review.

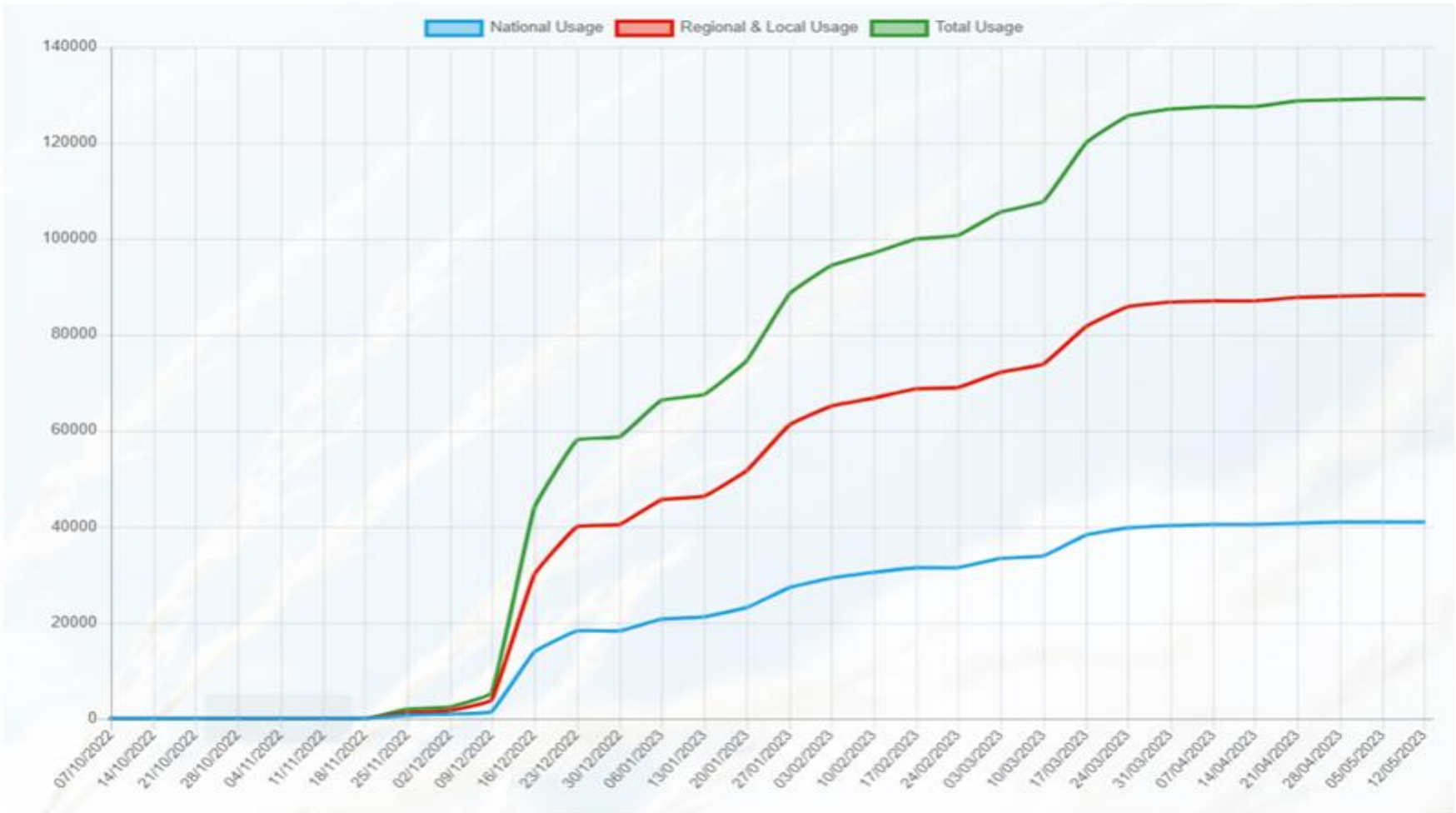
# Winter Maintenance Programme – Hail Trial

## HAIL INCIDENTS



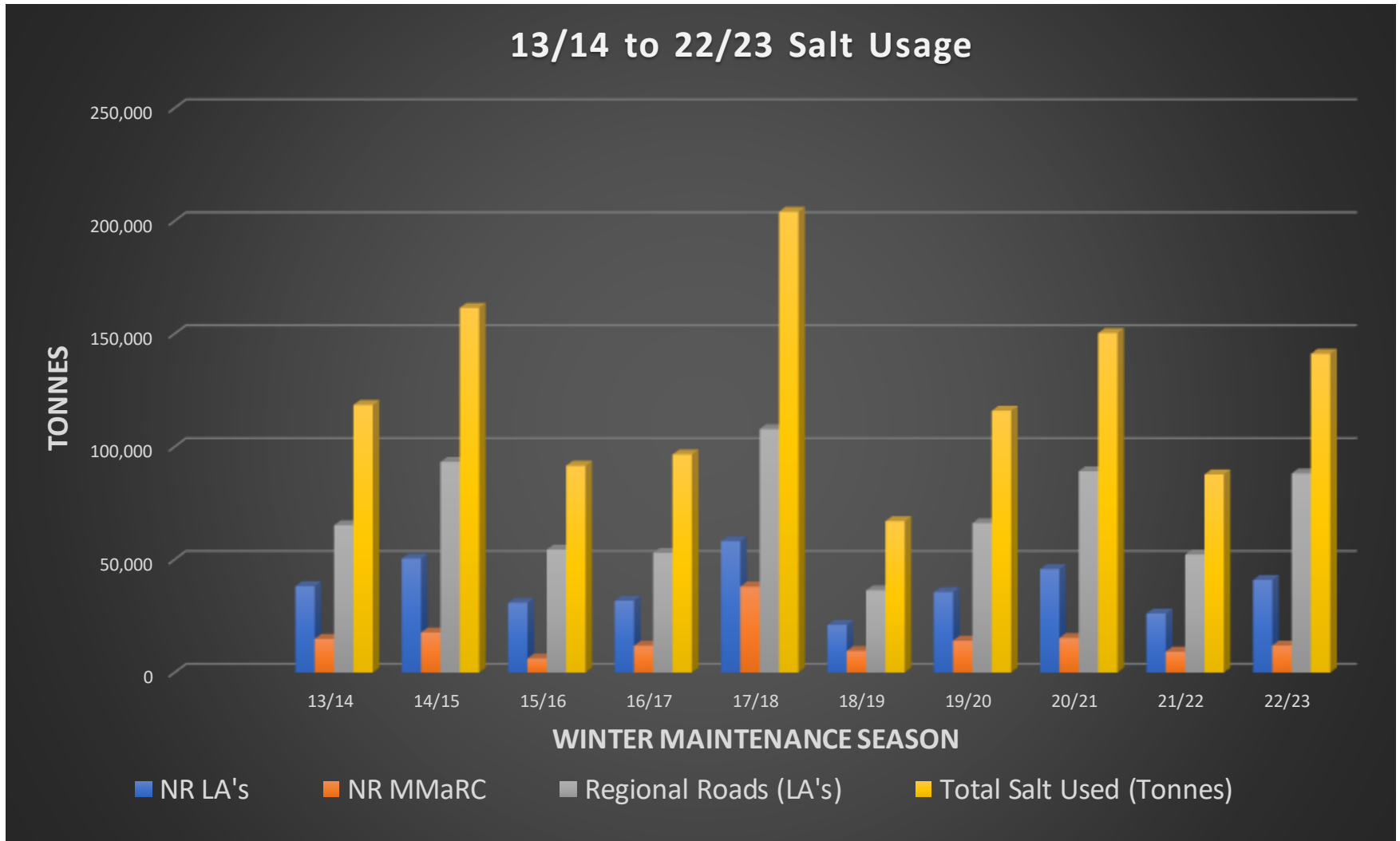
# Winter Maintenance – Salt Usage 22/23 Season

LOCAL AUTHORITY SALT USAGE GRAPH





# Winter Maintenance – Salt Usage 22/23 Season



# Winter Maintenance Funding

## NR Winter Maintenance Over-Expenditure – TII will endeavour to pay valid National Road WM over expenditure claims

### Claim Back-up criteria:

- Number of winter maintenance callouts and dates for each.
- Duration of each treatment in hours.
- Salt spread rate applied for each treatment.
- Length of national road and regional/local road treated on each route.
- Breakdown of costs for each treatment applied to national and regional/local roads.
- Costs associated with the upkeep and maintenance of winter equipment (spreaders/ploughs etc.) including breakdown of how costs are applied to national and regional/local road grants.
- Costs of on call allowances or any other charges associated with winter operations including the breakdown applied between national and regional/local roads.
- Tonnage of salt collected for national roads.
- Tonnage of salt collected for regional/local roads.
- Details of any other costs associated with the amount claimed.

# Winter Maintenance Queries

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- **Winter Maintenance Over-Expenditure**
- **Winter Service Plan Queries**
- **Equipment Requests**
  - **Spreader Upgrades**
  - **Brine Saturators**
  - **Salt Barns**
  - **Winter Maintenance Depot Enhancements**


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