

21st A83 Taskforce Meeting – 03 March 2022

Current Works Project Update – Presented by BEAR Scotland

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Presentation Summary

- Hillside Update and Monitoring
- Ongoing Works
- Wider A83 / A82 works programme of improvements

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A83 Rest and be Thankful

Hillside Update and Monitoring – Observations, Measurement and Management

- Expert weather forecasting data
- Site team observations on hillside condition and watercourse flows
- Hillside movement and monitoring data using on site surveys
- Ground saturation estimates
- CCTV imagery of the hillside
- Trunk road condition data
- Daily calls to support decision making

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Hillside Update – Monitoring

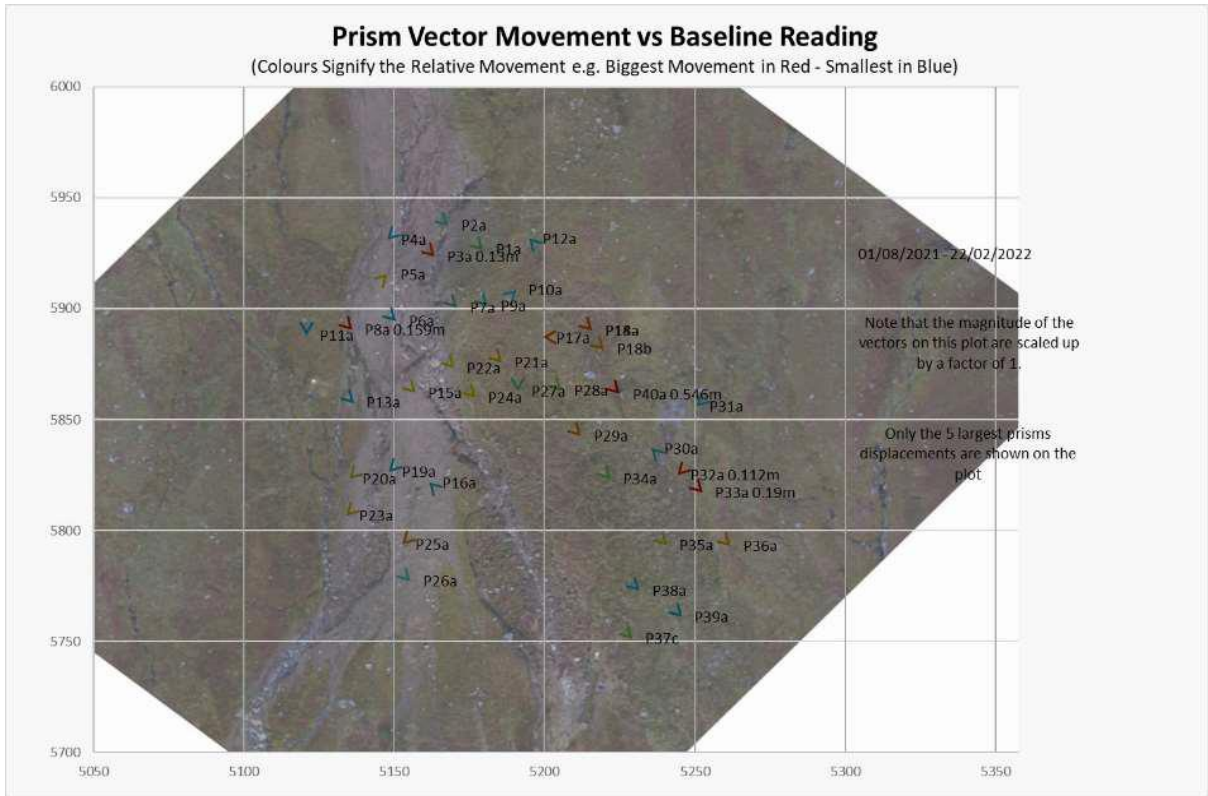


Image showing Prism Vector Movement vs Baseline Reading

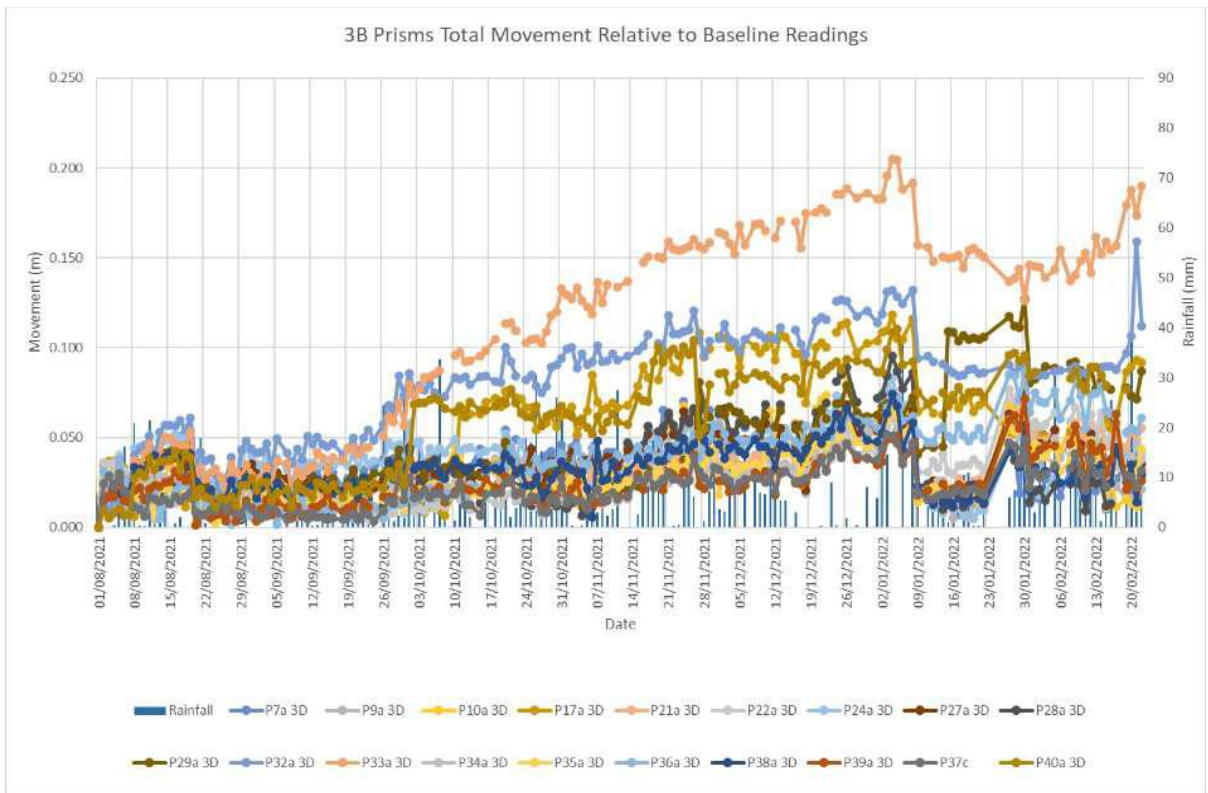


Image of graph showing 38 prisms total movement relative to baseline readings

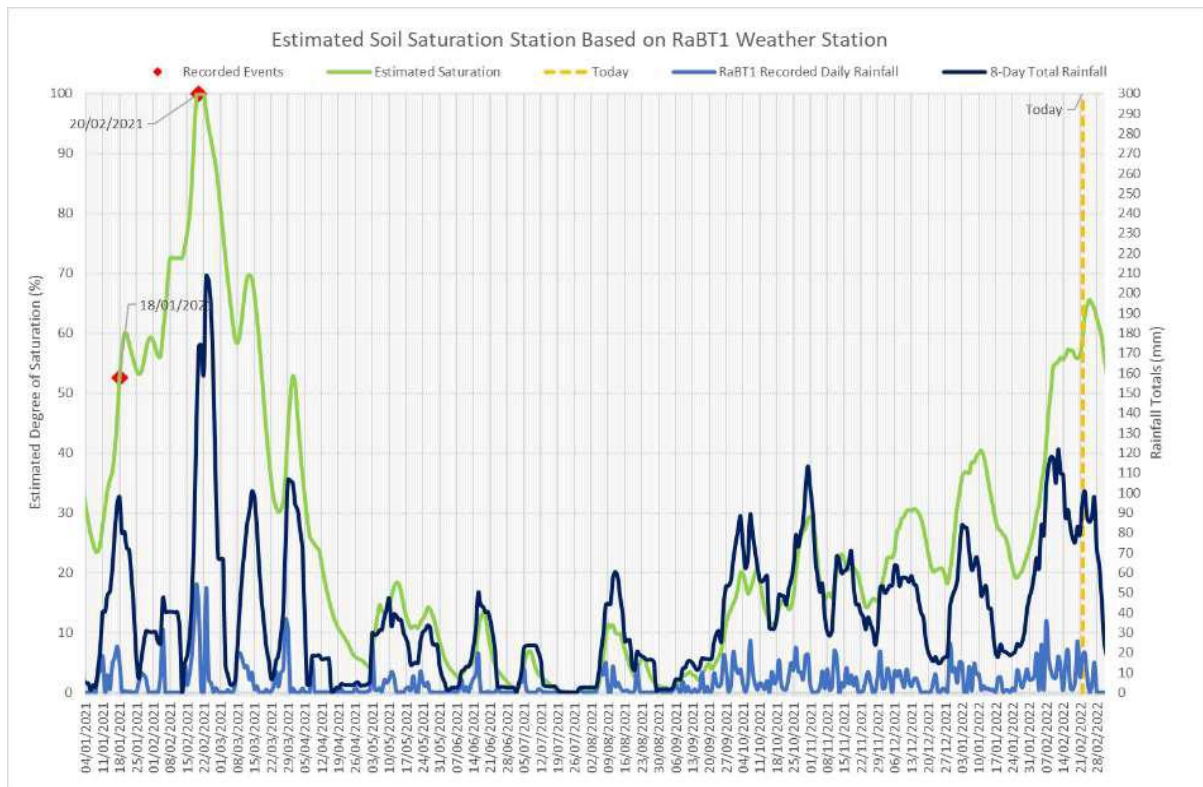


Image of graph showing estimated soil saturation based on RaBT1 Weather Station

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A83 Operations since last Taskforce Meeting – 09 September 2021

- Limited use of OMR up until February 2022.
- More regular use of OMR in past month due to winter weather conditions experienced resulting in increased saturation on hillside.
- Operational decision making occurs on a daily basis.
- A83 Rest and Be Thankful – Managing Trunk Road Operation | BEAR Scotland

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Catch-pit Construction

- Construction of 'Phase 3b' catch-pit commenced 7 September 2021.
- Catchpit is expected to be complete in Summer 2022, subject to weather and hillside conditions.
- Capacity is estimated at 1600 Tonnes.

- This £3.5M investment will be formed of reinforced concrete walls anchored into the hillside.



Image showing plan view of catch-pit arrangement

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Hillside Update and Ongoing Works – Recent Images



Image showing hillside from opposite side of Glen Croe

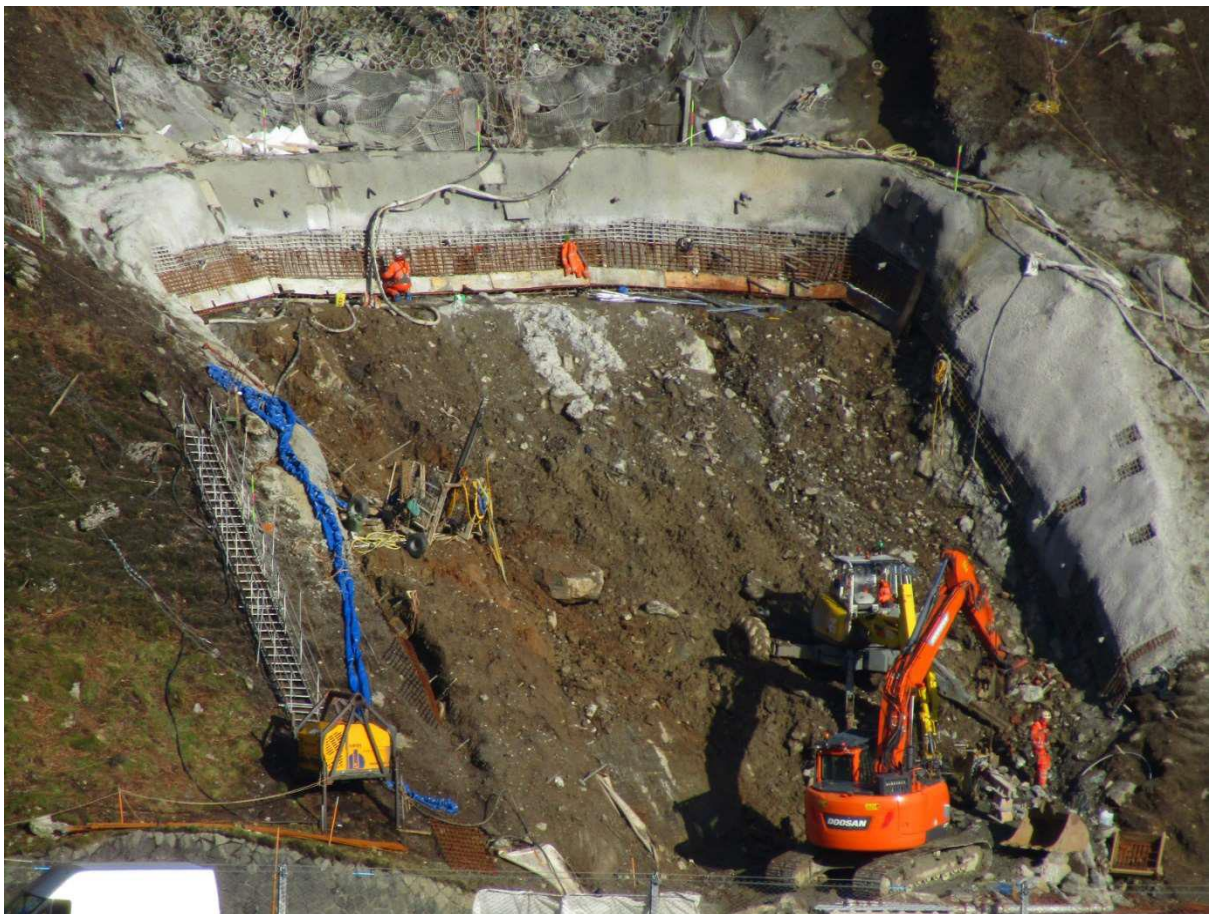


Image showing Channel 3B pit construction from A83

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A83 Glen Kinglas Bunds

- New bund to be constructed from locally won material associated with catch-pit construction at Rest and be Thankful.
- Rock being stored at Butterbridge layby for processing and re-use.
- Testing before placement revealed material to be susceptible to grading and compaction requiring further investigation and re-design.
- Traffic management on A83 required due to proximity of work site to Trunk Road, and need for appropriate safety zone given site clearance undertaken.
- Material grading complete and bund construction to be concluded by summer 2022.

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A83 Glen Kinglas Bunds



Image showing ongoing works at Glen Kinglas Bunds



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Image showing ongoing works at Glen Kinglas Bunds



Image showing ongoing works at Glen Kinglas Bunds

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Planned Interventions

Upper Slope Watercourse Remediation and Further Study

- Form a more direct path for the hillside watercourse toward Channel 3A.
- Dr Roger Moore concluding a hillside-wide geomorphological study, looking for other potential risk locations.

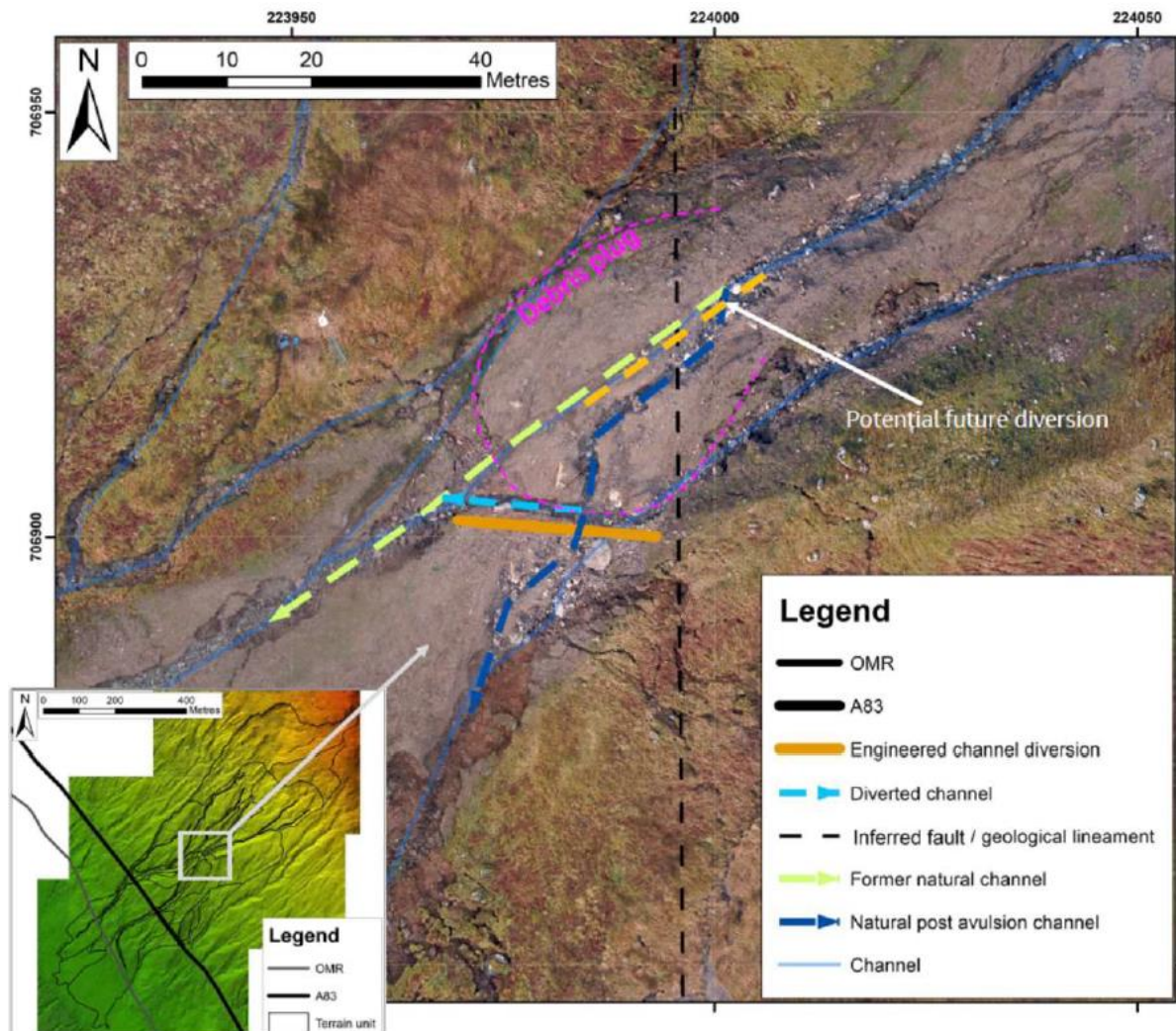


Image showing drawing of upper slope watercourse remediation. Image shows geological alignment , natural channel, potential future diversion and engineered channel diversion.

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Phase 4 & 10 Ground Investigation

- Ground investigation at Phases 4 & 10 completed in January 2022.
- Investigation will help form detailed design of the Ph4 & 10 catchpits.
- Works involved pavement, soil and rock sampling, and in-situ testing.



Image showing Pavement sampled being obtained from A83.

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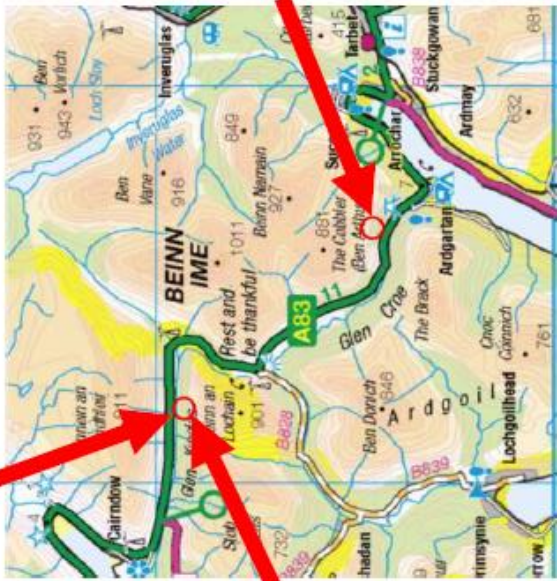
2 Landslides in vicinity of A83 Trunk Road

Two nearby landslides occurred during recent heavy rainfall. These did not impact the Trunk Road.

Image showing map of location of recent landslides, one in vicinity A83 trunk road near Honeymoon Bride and second in vicinity of A83 Trunk Road near Aegartan.



A83 Trunk Road
near Honeymoon
Bridge



A83 Trunk Road
near Ardgartan

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Future Mitigation Plans – Rest and be Thankful

- The erection of deer fencing is complete on hillside above A83 with tree planting to commence March 2022.



Image showing location of proposed tree planting

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Planned Maintenance

Completed A83 Schemes since September 2021

- 4 Surfacing Schemes completed:
 - South of Lochgilphead - £340k
 - South of Tayinloan - £85k
 - North of Tayinloan - £190k
 - Balure - £110k
- Sea wall repairs at Inveraray - £170k
- Various drainage improvements

- Signage improvements at Butterbridge

Total Planned Maintenance Investment since September Taskforce ~£925k



Image showing surfacing improvements South of Lochgilphead

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Planned Maintenance

Current A83 Programme for remainder of 2021/2022

- **Resurfacing** – South of Arrochar (£300k), Argyll Caravan Park (£220k), North of Drumore (£250k), North of Carrick Cemetery (£50k), North of Port Ann (£45k)
- **Footways** – Minard to Crarae Gardens (£75k)
- **Safety Barriers** – Salmon Draught (£25k)
- **Signing Schemes** – Clachan to Cairndow (£35k), route confirmatory signage (£50k)
- **Drainage** – Stonefield Castle (£2k), Dunderave point to Drishaig Cottage (£11k)

£1.07M of further investment, totalling £1.99M since September Taskforce.

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Planned Maintenance 2021/2022

A83 Balloch to Tyndrum

Resurfacing

- 4 Resurfacing schemes completed since September 2021
 - North of Stuckgowan – £250k
 - Kenmore Wood – £145k
 - Ardlui Station – £55k
 - North of Ardlui (Closure) – £160k
- 2 further resurfacing schemes planned to March 2022
 - North of Ardlui (Convoy) – £80k
 - Keilator Farm – £280k

Total A82 (Balloch to Tyndrum) Investment Since September Taskforce - £970k

Details of planned roadworks in North West Unit can be viewed on our interactive surfacing map - <https://maphub.net/BEARScotland-NorthWest/BEARNW>

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Thankyou