

- 500,000 residents
- One county council
- Six district councils
- Two National Park Authorities
- Six NHS organisations
- 250+ parish and town councils
- Six MPs
- 900+ elected officials (including parish and town councillors)
- 18 Million Visitors



Adverse Weather Policy

- "Cumbria County Council as a Highway Authority has a duty to ensure so far as reasonably practicable that safe passage along the highway is not endangered by snow or ice"
- Policy Agreed by Cabinet for three years
- £3.9m Budget 2019/20
- Full Service Review 2019/20





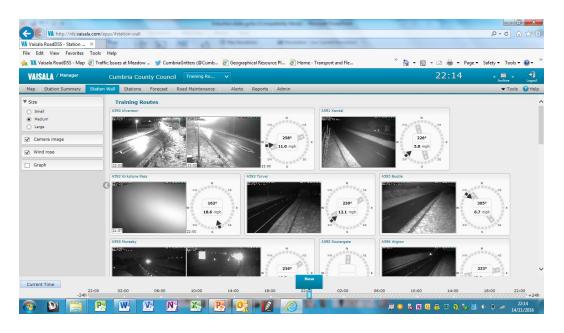
Winter Maintenance

- 38 Mainline Gritters, 4 tractor routes in the South.
- Staffed depots
- 7,900 km Network length 29% (2,300km treated)
- 10,000 Salt Bins and Heaps
- Priority 1 Routes (within 3 hours)
- Priority 2 Routes (within 5 hours)
- Priority 3 Routes (more tan 3 consecutive days)
- Footways
- 70 members of staff on standby in any one 24 hours
- 270 tomes per full treatment





Weather Forecasting



34 Weather Stations

18 Forecasting Stations









Salt Management

- 19,000 tonnes of salt on stock
- 4,000 tonnes of resilience salt on stock
- 270 tonnes per full treatment
- Minimum salt stock levels
- Summer rates/ Winter rates



Snow Champions

- 130 Snow Champions currently registered
- Treat routes in local communities
- Deal with venerable residents
- Act as a point of contact for communities/Council
- Review Salt bins/ Grit heaps
- Activity promote service



Parish Salt Scheme

- Instigated during periods of prolonged bad weather
- Provide Parish and Town Councils with up to 7 tonnes of salt for self help.
- Suitable location for salt to be stored in community
- Unused salt returned to nearby Highways Depot







Storm Desmond: 1 to 6 December 2015 (Cumbria)



Storm Desmond brought exceptional rainfall to the north west of the country. In a 24 hour period, 34.1 cm of rain fell at Honister, Cumbria - the highest ever recorded.



1.15 trillion litres of rainfall



enough to cover all of Cumbria with 16.1 cm of water



Rainfall would fill Wembley stadium almost **290 times** over

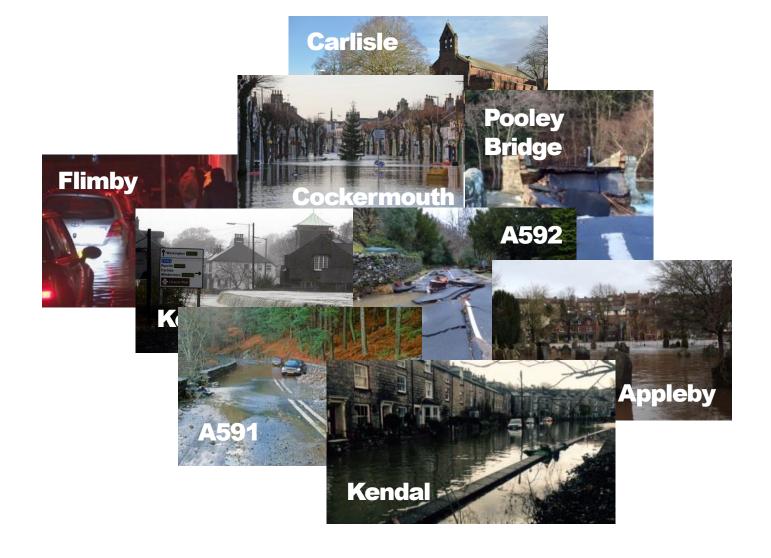




Worst affected area









Technology – Lighten the load



Roads Innovation



- World first.
- 6,450,000 single use carrier bags.
- 2-year's into trial.



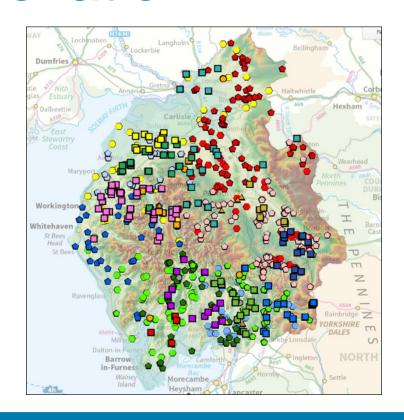
- World first.
- 18 months into trial.
- Flood resilience & increased efficiency.



Roads Innovation



- Digital inspector trial.
- GIS based works planning and traffic management.
- Industry recognised collaborative contracting strategies.

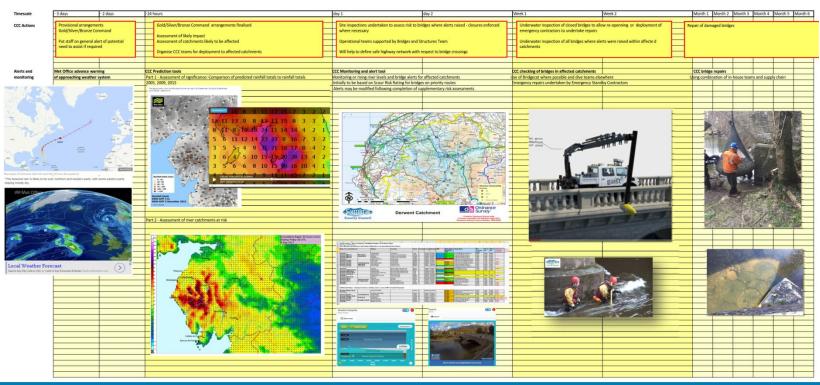








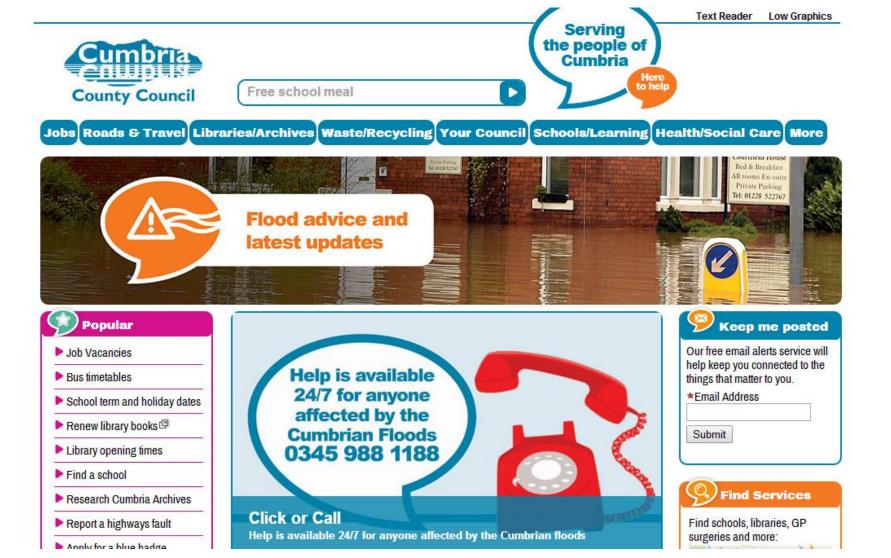
Bridge Monitoring





Communications – speed is everything































Please RT - #Carlisle Eden Bridge is OPEN! Pedestrians & vehicles can now safely use the bridge. Thanks all involved!



This was
the most engaging
Tweet from
UK Government
accounts on
18 Dec

Within its first day this tweet reached a potential

84,746
people



























Lessons Learnt

- Gold Command
- Threat to Life (Game Changer)
- Plant and equipment Review
- New Weather Stations
- Contracts
 - Plant
 - Staff



Thank You

Question

