



Weather Resilience and Climate Change Adaptation

LNW Route Periodic Performance Report – 2018/2019 P1

Figure 1 provides an overview of the impact of different weather related events by day for period 1 in relation to delay minutes and PPM performance for LNW route. If adverse/extreme conditions were experienced by one or more TOC during a week, a yellow or red dot will indicate the performance of the TOC(s) in question. Weather events don't always cause drops in performance (e.g. extreme rainfall may not flood the railway) and therefore, performance on adverse/extreme days can be higher than expected.

Figure 1 Weather related PPM and delay minutes for P1 2018

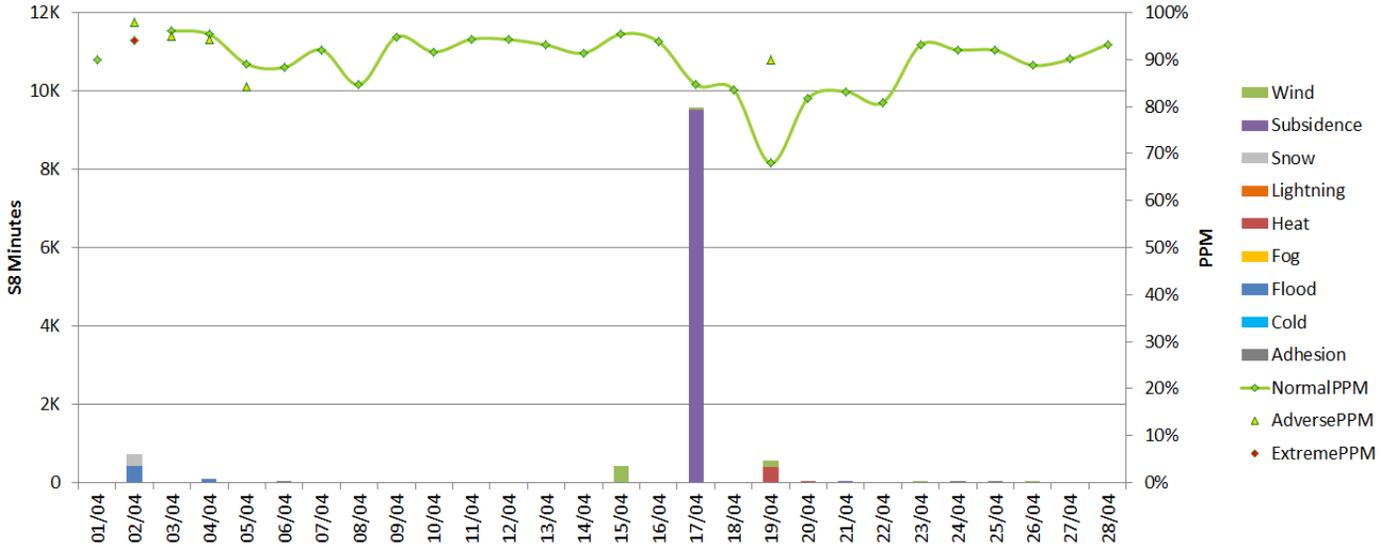
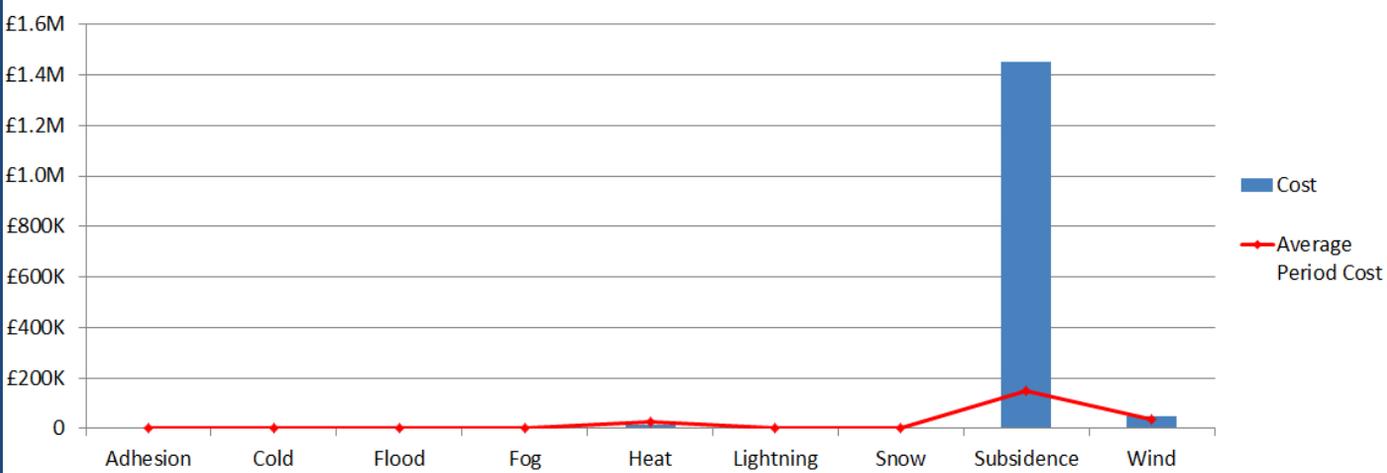


Figure 2 Weather related Schedule 8 cost impact for P1 LNW



Note that this figure relates to Schedule 8 cost and does not include OPEX or other costs.

Table 1 Top 10 weather related incidents P1

Date	IncidentDescription	stanoxSection	Route	Weather Category	Delay Minutes	Cost
17/04/2018	BANK SLIP DM WEEDBGF+++	Weedon : Hanslope Jn	LNW South	Subsidence	9530	£1,451,712.19
15/04/2018	BALLOONS ON OHLE WINWCKJ	Wigan North Western : Warrington Bank Quay	LNW North	Wind	316	£37,338.57
19/04/2018	SWT ESR 20 MPH HEAT	Huddersfield : Marsden	LNW North	Heat	403	£11,544.73
02/04/2018	6D80 LATE START TUNSTDS	Tunstead Sdgs	LNW North	Snow	300	£6,414.00
02/04/2018	FLOODING GOB	Gobowen	LNW South	Flood	268	£5,166.91
19/04/2018	OBJECT ON LINE GSTANG PRE	Gannow Jn : Blackburn	LNW North	Wind	158	£4,578.82
15/04/2018	BALLOONS ON OHLE WINWCKJ	Wigan North Western : Warrington Bank Quay	LNW North	Wind	94	£4,083.36
23/04/2018	BALLOON ON OHLE	Macclesfield : Kildgrove	LNW North	Wind	9	£2,142.99
04/04/2018	FLOODING RSH	Romiley	LNW North	Flood	87.5	£1,802.52
02/04/2018	FLOODING RGW	Clitheroe : Blackburn	LNW North	Flood	95	£1,395.55