

Rainfall in the UK is increasing

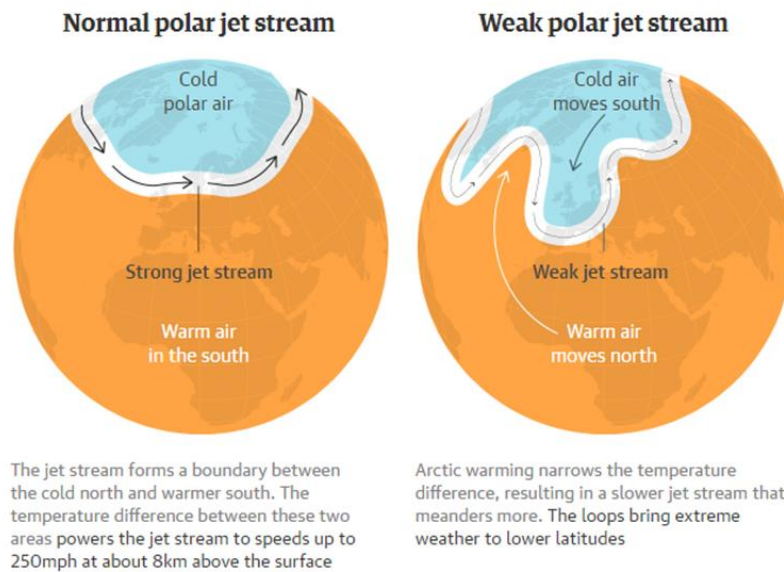
"There is evidence that heavy rainfall events may have become more frequent over time: what in the 1960s and 1970s might have been a one-in-125-day event is now more likely a one-in-85-day event,"
(Met Office, Independent, Jan 2016)

Why?

The jet stream is one of the main drivers of our weather – often blamed for prolonged spells of wet and windy weather but credited for periods of fine and dry conditions. J. Hussein, Jan 2015

The temperature difference between the Arctic and lower latitudes is one of the main sources of fuel for the jet stream. It's what drives the winds, and because the Arctic is warming so fast, that temperature difference is getting smaller, and so the fuel for the jet stream is getting weaker. When it gets into this pattern those big waves tend to stay in the same place for some time. S. Connor, 2014.

How Arctic meltdown can lead to extreme weather



Guardian graphic

Source: NASA

Evidence has proved the melting of the Arctic Ice has already caused extreme weather across North America, Europe, and Asia.

Scientists are concerned with the arctic melting that this has now triggered off abrupt changes in the planet's atmosphere, encouraging extreme weather in heavily populated areas.

With temperatures reaching 33 degrees above average in the Arctic, it's no wonder the weather has no regular pattern as it use too.

The answer to areas needing increased surface water drainage due to greater rainfall.

The Domestic Channel - CD 422

Suitable for domestic surface drainage applications

February 2016, Rainfall rate per hour **162mm** figures taken from www.nw3weather.co.uk

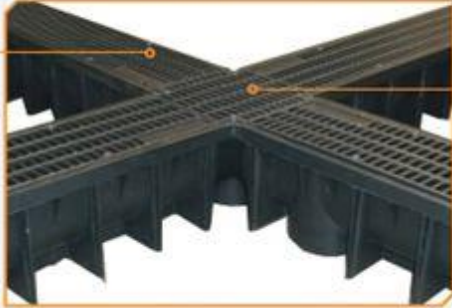
How does the CD 422 compare to the average shallow channel?

CD 422 - internal depth 105mm max rainfall rate capacity *	Average Shallow Channel with internal depth no more than 75mm max rainfall rate capacity *
172mm per hour	88mm per hour

* based on a 3m run of channel in area of 75m sq of non-porous surface, with a safety factor of 1.2

CD 422 - LOAD CLASS A15

Length: 1000mm
Width: 142mm
Depth: 135mm
Internal Depth: 105mm
Internal Width: 100mm



**CD 406
QUAD CORNER
FOR CD 422**

NEW

References

J. Hussein, Jan 2015 The weather network <https://www.theweathernetwork.com/uk/news/articles/uk-weather/jet-stream--how-does-it-affect-uk-weather/43150/>

S. Connor, 2014. The Independent <http://www.independent.co.uk/news/science/uk-weather-high-anxiety-among-jet-stream-watchers-9131141.html>

D. Carrington, December 2016. The Guardian, Arctic Ice Melt Already Affecting Weather Patterns Where You Live Right Now. <https://www.theguardian.com/environment/2016/dec/19/arctic-ice-melt-already-affecting-weather-patterns-where-you-live-right-now>