



Recommended configuration:
Firework debris goes towards audience
on 1 occasion

Congleton Park

Current configuration:
Firework debris goes towards audience
on 4 occasions

River Dane

Historic Weather Congleton
Park - 2019 Review
Nov 3 2018 S 15 G 31
Nov 4 2017 SW 5
Nov 5 2016 WNW 8
Nov 7 2015 VAR 3mph (almost calm)
Nov 1 2014 S 23
Nov 2 2013 WSW 25
Nov 3 2012 S 12
Nov 5 2011 VAR 3mph (almost calm)
Nov 6 2010 ESE 2
Nov 7 2009 SE 10

The arrows are representative of the wind strength and direction at Congleton Park on fireworks night over the years. We didn't have all historic dates on record, so we've picked the closest Saturday to Guy Fawkes in many cases. Regardless, it is still representative of how the wind varies at the park at this time of year. Please note, this is only the wind direction, the direction in which fallout will be carried. It is not the size of the fallout field.

	#1	#2	#3	#4	#5
Size	1½" (30mm)	3" (75mm)	4" (100mm)	5" (125mm)	
Angle	0	0	0	0	
Offset	bund Track	0	0	0	

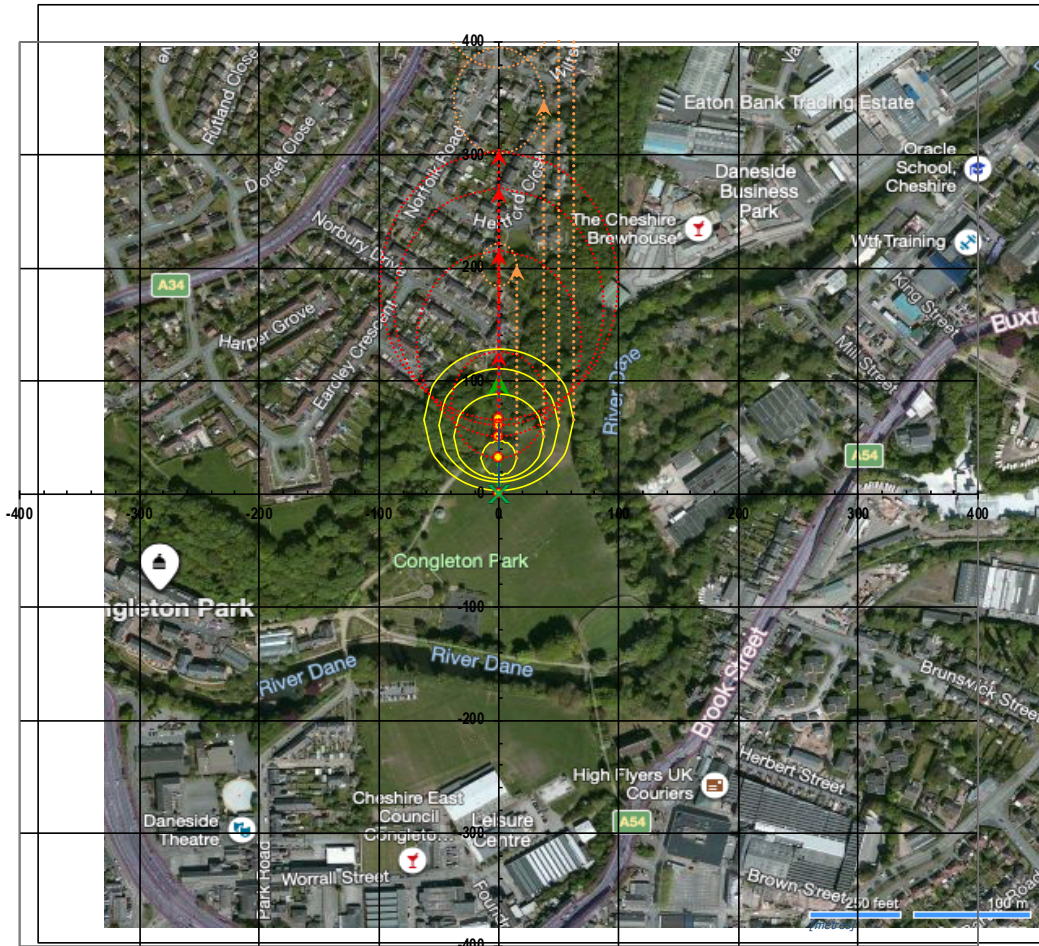
ShellCalc©

ShellCalc© Pro (v.Sh) - Star Fireworks

Wind Speed: 5 Beaufort force (10.7 m/s)

Direction: 180 (South)

[metres]



Wind Direction/Strength	Ground Track/Trajectory	Burst position	Burst Diameter
Normal Debris Fallout	Long Burn Stars	Firing Point	

Key to the diagram

Smallest yellow circle - burst area of firework barrages (group fireworks) and smallest red ring, approximate fallout area for barrages. Larger yellow rings, burst area for 3, 4 and 5 inch s and larger red rings, fallout area for any paper fallout for shell. Importantly, even in a Force 5 wind, the barrage fallout is larg within the trees which is where you want it. The shell fallout is lightweight (a few grams each) pieces of cardboard, they do i damage compared to say a firework rocket of which we fire n the public will fire hundreds in their nearby gardens



Congleton Rotary Club Fireworks Display SITE PLAN - 2019 Review

PUBLIC ROUTE TO
CLOSE BEFORE DISPLAY

NORTH

Woodland Walk

ALL DISTANCES
ARE APPROXIMATE

SAFETY DISTANCE IS TO
FRONT OF FIREWORKS (NOT
REAR SHELLS)

SECURE FIRING ZONE

FIRING SITE

BONFIRE

MINIMUM 75M SAFETY DISTANCE

SECURE FIRING ZONE

PAVILLION USED
FOR SOUND SYSTEM
CAN REMAIN INSIDE
SECURE ZONE

SECURE FIRING ZONE

PUBLIC ACCESS ROUTE

SECURE FIRING ZONE

Approx 7900+ SqM
(old layout also approx
7900 SqM)

PUBLIC AREA

Congleton Park

SECURE FIRING ZONE

PUBLIC ACCESS ROUTE

National Route 55
SECURE FIRING ZONE

NOT TO SCALE

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Congleton Rotary Club Fireworks Display OLD SITE PLAN



NORTH



BONFIRE

PUBLIC AREA

Woodland Walk

ALL DISTANCES
ARE APPROXIMATE

SAFETY DISTANCE IS TO
FRONT OF FIREWORKS (NOT
REAR SHELLS)

SECURE FIRING ZONE

MINIMUM 75M SAFETY DISTANCE

ALTERNATIVE FIRING
SITE FOR WIND



ALT.
SITE

Congleton Park



FIRING
SITE

SECURE FIRING ZONE

SECURE FIRING ZONE

SECURE FIRING ZONE
PUBLIC ACCESS ROUTE

SECURE FIRING ZONE

National Route 55

BRIDGE WITH SMALL
GATE TO CLOSE AT 7PM

NOT TO SCALE

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