

Annex B - The prioritisation process

The prioritisation system was developed, from similar schemes developed by others, ranging from the World Health Organisation (WHO) to the SCC Major Maintenance programme. One of the key elements was that the scheme had to be easy to use and easy to maintain, as it was envisaged that with climate change, these exercises would become an on-going process.

The main categories were developed around.

- Safety
- Internal Property Flooding
- Social Impact
- Flood Duration

Initially other categories were included but were found to overcomplicate the process. Through testing, it was found that some of these categories could be simplified down to one single entry as opposed to a sliding scale.

Originally all items within each category were scored from 1 to 5. Each of the categories then carried an individual weighting, Safety being the highest, down to Duration being the lowest. Rigorous testing showed that the scores for items within the Safety category would have to be increased so that combinations of the other 4 categories could not score above sites that had deaths or injuries. Hence, Death was increased from 5 to 15, Injury was increased from 4 to 12 and Accident was increased from 3 to 8. Low risk, which was scored at 1 was removed as engineers felt that, without additional guidance, they were having difficulty in distinguishing between a low risk and a high risk. It was therefore decided that the Risk element should just have one score.

1. **SAFETY (weight 17)**

SCORE	ITEM
15	Flood related death
12	Flood related accident resulting in significant injury
8	Flood related accident
2	High risk of accident

2. INTERNAL PROPERTY FLOODING (weight 8)

SCORE	ITEM
5	Numerous properties with vulnerable people
4	Several properties with vulnerable people
3	Numerous properties
2	Several Properties
1	One property
0	No internal flooding

Where several indicates 2-3 properties, and numerous indicates >3
Vulnerable people refer to the elderly, infants or disabled who may be seen to suffer more in such circumstances.

3. SOCIAL IMPACT (weight 4)

SCORE	ITEM
5	Very High (As below but also, flooding of basic service buildings causing disruption to gas, electric and water services)
4	High (As below but also disruption to emergency and social services)
3	Medium (As below but also major congestion and disruption to school routes)
2	Some (As below but also disruption to local amenities)
1	Low (Significant flooding of footpaths)

4. DURATION (weight 2)

SCORE	ITEM
5	> 5 days
4	2-5 days
3	1-2 days
2	1 day
1	½ a day

5. MISCELLANEOUS (weight 1)

SCORE	ITEM
5	Engineering opportunity
4	Sewage surcharge
4	Affected road is on Surrey Priority Network (SPN)
3	Community representations
3	Claims
3	Property floods outside
1	Flooding as a nuisance to individuals