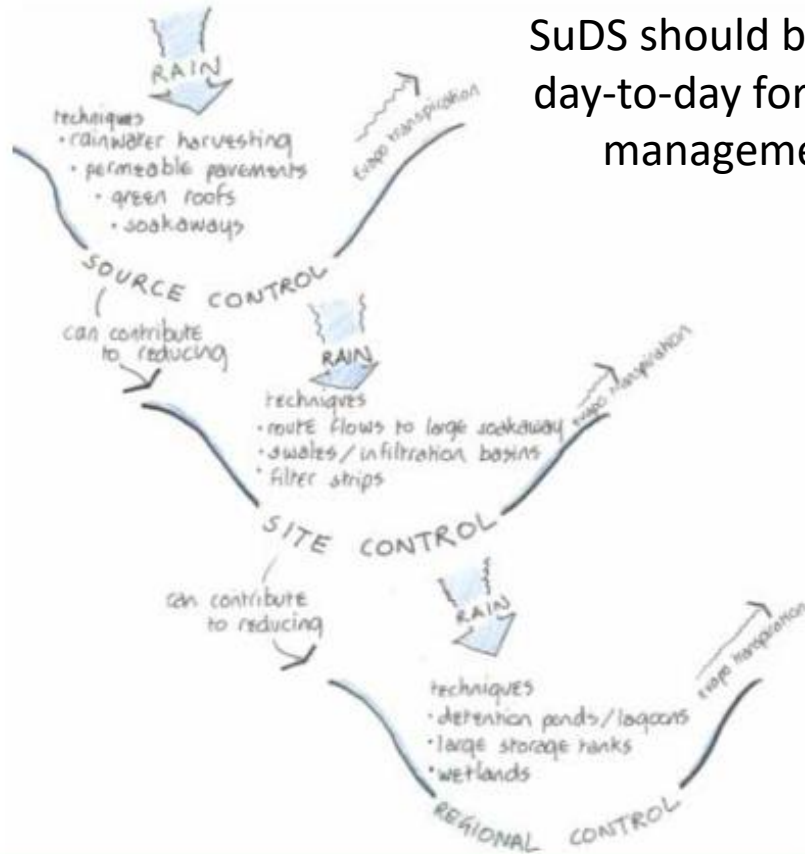


SuDS and biodiversity

Julia Baker

Balfour Beatty

SuDS should be used day-to-day for water management



Water. People. Places.

A guide for master planning sustainable drainage into developments

Prepared by the Lead Local Flood Authorities of the South East of England

Sustainable Drainage Guide

Environment Bill

[AS AMENDED IN PUBLIC BILL COMMITTEE]

PART 6

NATURE AND BIODIVERSITY

Biodiversity gain in planning

Biodiversity gain as condition of planning permission

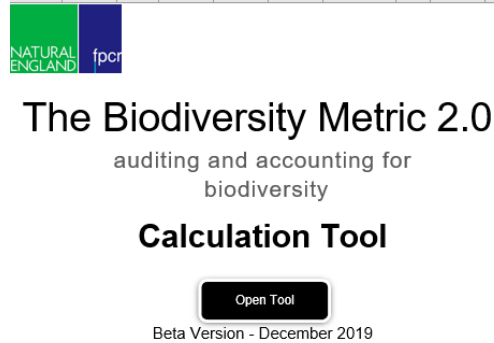
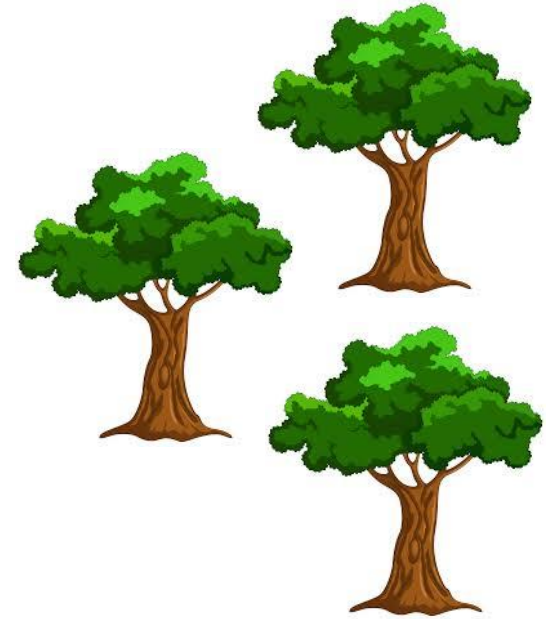
Schedule 14 makes provision for biodiversity gain to be a condition of planning permission in England.

**Will a mandatory approach to BNG incentivize
SuDS that benefit biodiversity?**

Development that leaves biodiversity in a measurably better state than before



Units
before works

A screenshot of a web application interface. At the top left, there are logos for 'NATURAL ENGLAND' (a green square) and 'fpc' (a blue square). The main heading is 'The Biodiversity Metric 2.0' in a large, bold, black font. Below it, in a smaller font, is 'auditing and accounting for biodiversity'. Underneath that is 'Calculation Tool' in a bold, black font. A black button with white text says 'Open Tool'. At the bottom, it says 'Beta Version - December 2019'.

Units
after works: +10%

Will BNG incentivise SuDS with biodiversity benefits?

Ref	Habitats and areas			Habitat distinctiveness	
	Broad Habitat	Habitat type	Area (hectares)	Distinctiveness	Score
1	Urban	Urban - Sustainable urban drainage feature	0.5	Low	2
2	Urban	Urban - Bioswale	0.4	Low	2
3	Urban	Urban - Rain garden	0.01	Low	2



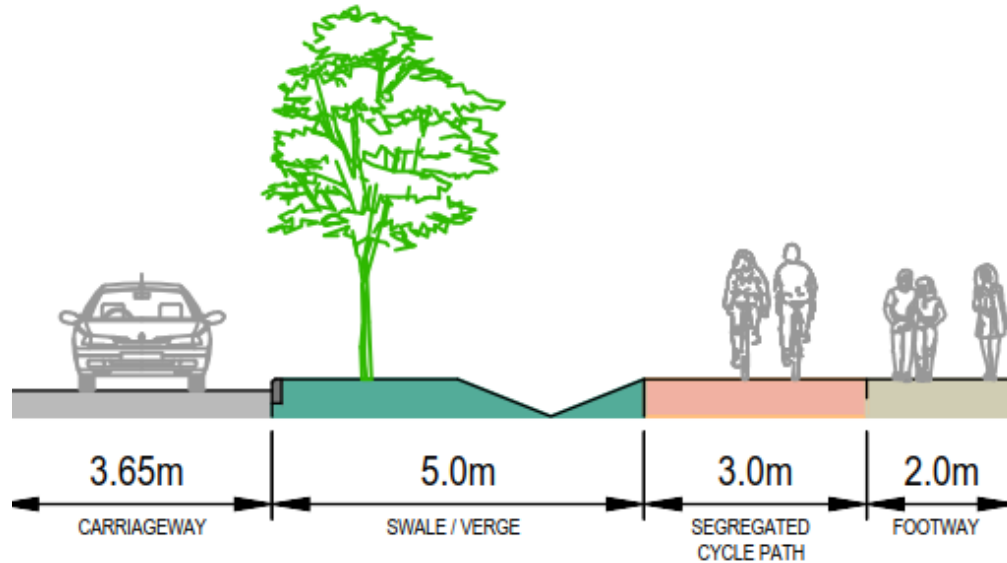
SuDS score poorly within the biodiversity metric

No incentive to count towards BNG or to design SuDs with biodiversity benefits

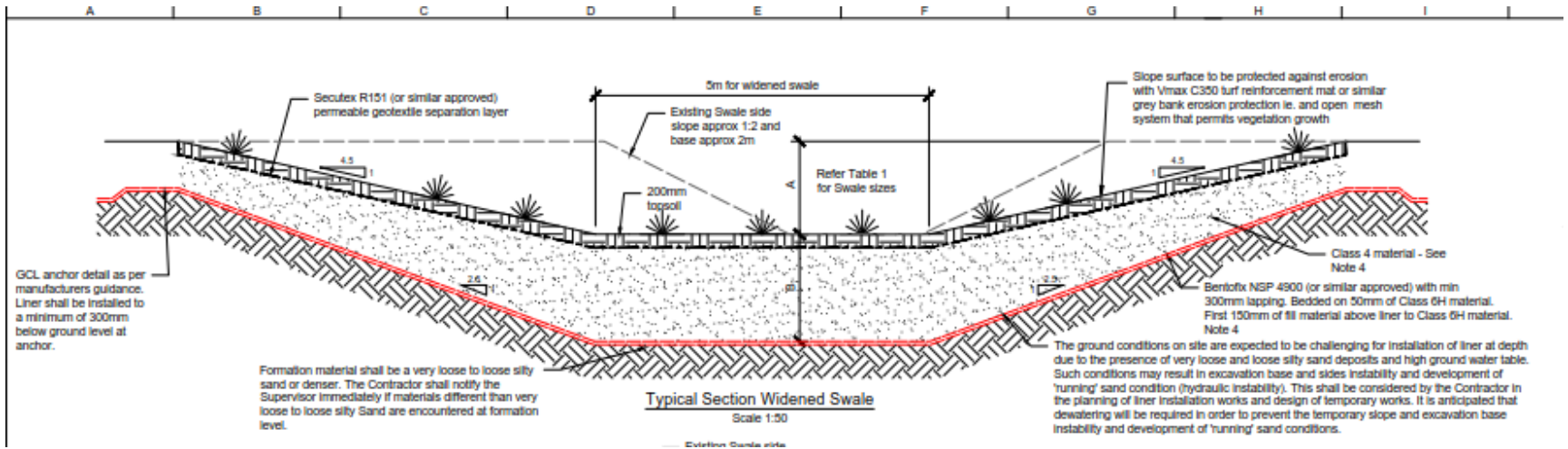
A disincentive

Go underground to have space for BNG

Will BNG incentivize SuDS with biodiversity benefits?



Both BNG & SuDS need space



Do Nothing

- Amenity wet grassland mix
- **-8.5% units**

Do Something

- Native species rich grassland mix
- **+5% units**
- No extra cost



Biodiversity Net Gain

Good practice principles for development

