

Managing Flood Risk: Carlisle Case Study

Eden Catchment Overview Table					
	Eden	Eamont	Irthing	Petteril	Caldew
Source	Black Fell Moss (690mAOD)	Helvellyn (950mAOD)	Slight Crag (518mAOD)	Greystoke Park (361mAOD)	Skiddaw (931mAOD)
Tidal Limit	Low Sandsfield				
Mouth	Solway Firth				
Length of Main River	612	102	65	53	68
Total Area	2400km ²	410km ²	333km ²	164km ²	258km ²
Average Annual Rainfall	Varies from less than 800mm (estuary) to 2800mm (upland areas)				
Geology	Borrowdale volcanic and Skiddaw Slate (south and west), carboniferous rocks (east), Mercia, Permo-Triassis and Lias mudstones (north)				
Urban Area	1% of catchment area; greatest proportion of which is concentrated in Carlisle, with Appleby and Penrith forming other significant urban conurbations.				
Asset	Total in Eden CFMP catchment		At risk of flooding based on current river 1% (100yr) Annual Probability flood extents, as represented by Flood Zone 3 of the Flood Map		
Agricultural Grade Land (Grade 1, 2, 3)	921 km ²		782 km ²		
Area	2,398 km ²		143 km ²		
Residential Properties	63,982		3788		
Commercial Properties	7,504		924		
Motorways	M6				
A Class Roads	A6, A7, A592, A5091, A683, A686, A689, A6071		A6, A7, A592, A5091, A683, A686, A689, A6071		
Railways	186 km		10.79 km		
National Park	454 km ²		27 km ²		
Sites of Special Scientific Interest	103		50		
Special Areas of Conservation	16		12		
Special Protection Areas	2		2		
Ramsar Sites*	2		2		
Scheduled Ancient Monuments	563		41		
Designated areas of outstanding natural beauty	2		2		
National Nature Reserves	11		3		

* Ramsar Sites are wetlands of international importance