

## Assessment of flood risk to people: Eden Catchment Management Plan, 2006

Location (Main Urban Conurbations)	Number of people at risk (1% a.p.e)	Properties at risk (1% a.p.e)	Current economic damages (£million)	Rate of rise and means	Indicative time available to react (Response Time)	Maximum Water depth (m) (1% a.p.e)	Velocity of flow (m/s)	Ranked risk
Carlisle – Carlisle  River Eden River Petteril River Caldew	7070	3185	£7.6	<p>People are primarily situated in properties behind complex system of defences from three rivers.</p> <p>Overtopping of defences could cause sudden flooding</p> <p>Rate of rise: To defence top: 0.16 m/ hour From overtopping of defences: 0.10 m/ hour</p>	<p>Response Time: 4.00 hours</p> <p>Flood Warning given: Flood -2 hours</p>	3.2	<p>Eden: 0.5 to 2.9</p> <p>Petteril: 0.1 to 3.5</p> <p>Caldew: 0.1 to 2.9</p>	High
Carlisle – Denton Holme River Caldew	3043	1361	£2.4	<p>People are primarily situated in properties behind defences.</p> <p>Overtopping could cause sudden flooding.</p> <p>Rate of rise: 0.26m /hour</p>	<p>Response Time: 1 Hours</p> <p>Flood Warning given: Flood -1 Hour</p>	1.3	0.1 to 2.9	Extreme

a.p.e.: annual probability event