

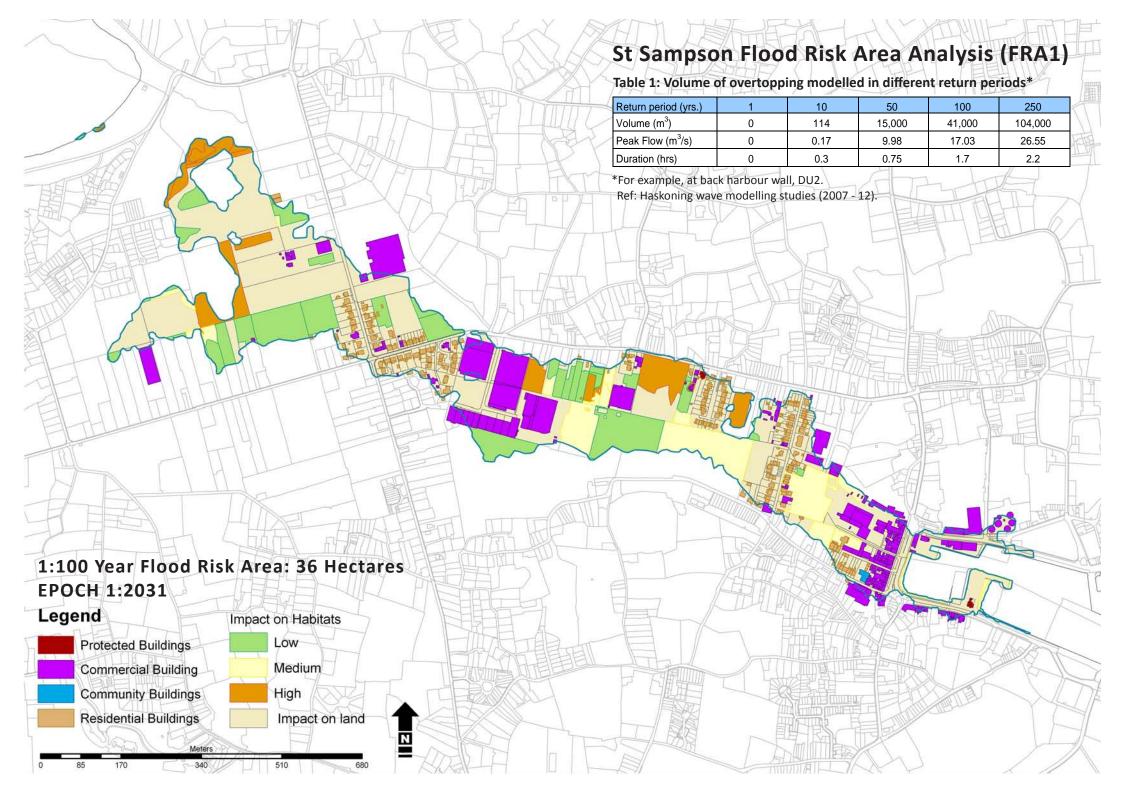
This Pack constitutes an Appendix to the Environment Department's States Report titled:

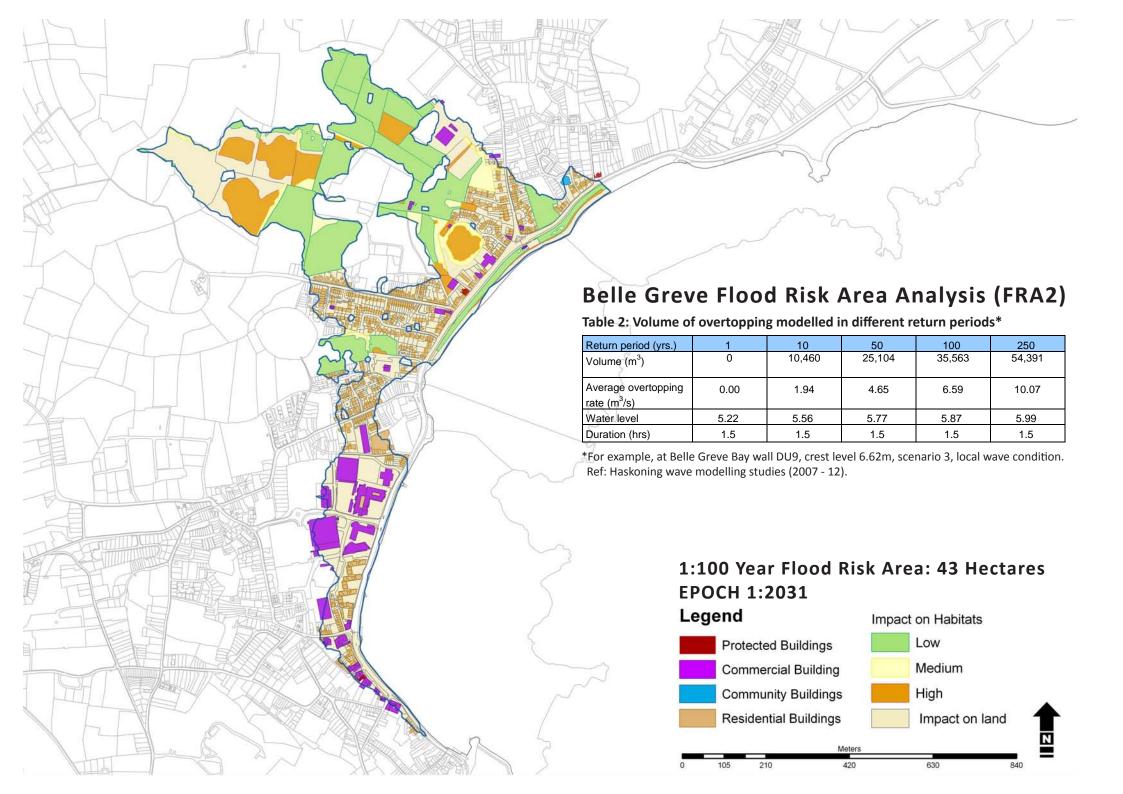
COASTAL DEFENCE FLOOD STUDIES

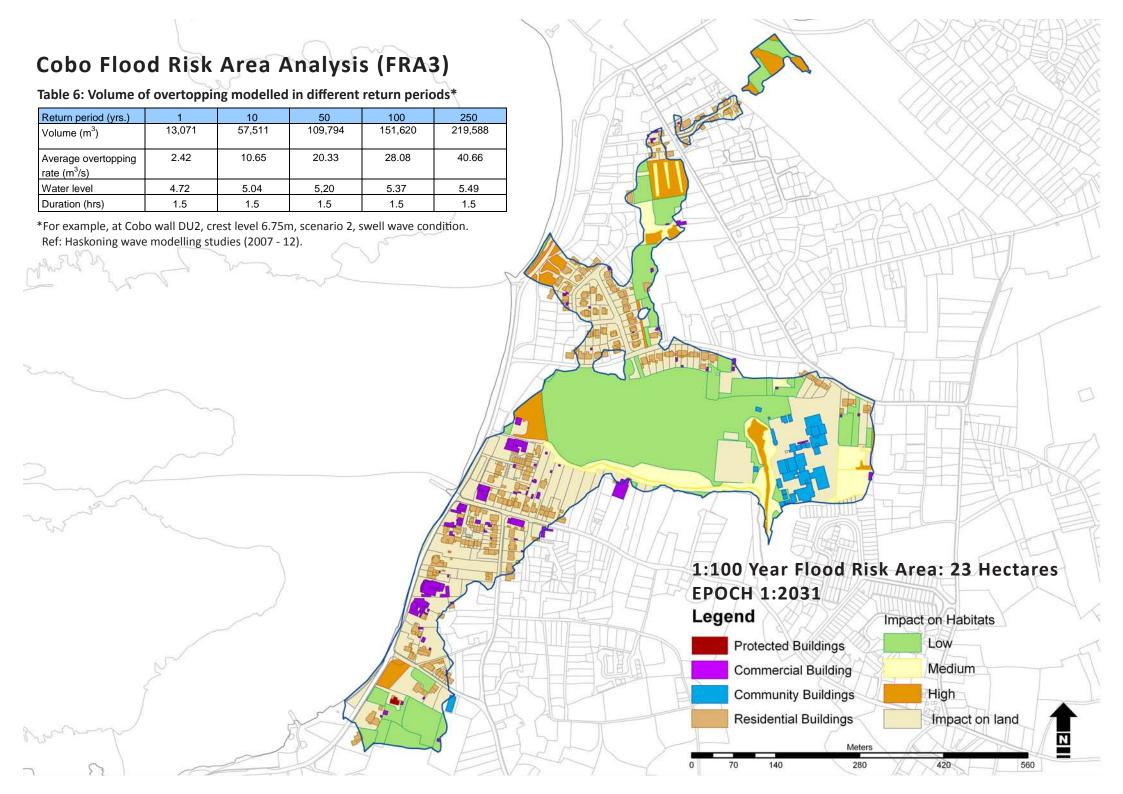
included in Billet D'État XV, July 2013

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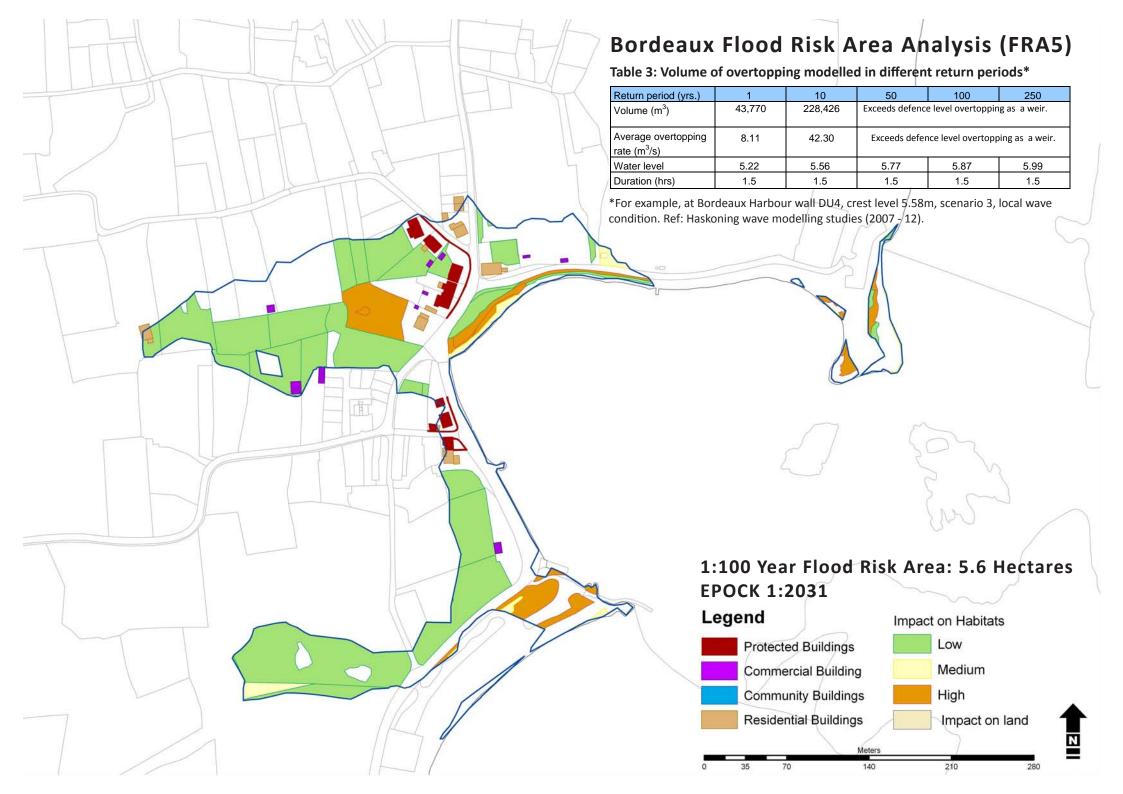
FRA1	St Sampson's Harbour Area
FRA2	Belle Greve Bay Area
FRA3	Cobo and Saline Bay
FRA4	Baie de Port Grat and Pequeries Area
FRA5	Bordeaux Harbour Area
FRA6	Rocquaine and L'Eree Area
FRA7	Pembroke Bay Area
	Guernsev Coastal Units - Map







Rousse, Pequeries & Baie De Port Grat (FRA4) Table 5: Volume of overtopping modelled in different return periods* Return period (yrs.) 50 250 10 100 3,310 19,861 49,653 66,204 112,547 Volume (m³) 0.61 3.68 9.20 12.26 20.84 Average overtopping rate (m³/s) 4.72 5.04 5.37 5.49 Water level 5,20 1.5 1.5 Duration (hrs) 1.5 1.5 1.5 *For example, at Pequeries embankment DU8, crest level 7.02m, scenario 2, swell wave condition. Ref: Haskoning wave modelling studies (2007 - 12). 1:100 Year Flood Risk Area: 13 Hectares **EPOCH 1:2031** Legend Impact on Habitats Low Protected Buildings Medium Commercial Building Community Buildings High Residential Buildings Impact on land



Rocquaine & L'Eree Flood Risk Area Analysis (FRA6) Table 4: Volume of overtopping modelled in different return periods* Return period (yrs.) 250 10 50 100 7,817 Volume (m³) 558 3,909 8,934 11,726 Average overtopping 0.10 0.72 1.45 1.65 2.17 rate (m³/s) Water level 5.32 5.54 5.65 5.77 5.0 1.5 1.5 1.5 1.5 Duration (hrs) 1.5 *For example, at Rocquaine Bay wall DU4, crest level 8.57m, scenario 2, swell wave condition. Ref: Haskoning wave modelling studies (2007 - 12). 1:100 Year Flood Risk Area: 15 Hectares **EPOCH 1:2031** Legend Impact on Habitats Low Protected Buildings Medium Commercial Building Community Buildings High Residential Buildings Impact on land Meters

