









past	Human impacts II												
Recent human impacts Channel deepening 		-	750]	
 Increase in tidal amplitude in Hamburg from 1.8 to 3.5 m 		Annual Mean Water Level [cm above PN]	700 650				_	-		-		V a	
 Increase in mht in Hamburg of appr. 1 cm/yr since 1950 			600		.			•		·	chaver		
 Increase of mht & mlt in Cuxhaven of appr. 0.2 cm/yr since 1840 			550 500						mli		nburg haven 1burg		
 Saltwater intrusion: Upstream movement of the brackish water zone of appr. 25 km since 1950 			450 400							1	J		
E 6		Annua	350 300	~		-	-	~	~		~		
e deptil	2000		300	1840	1860	1880	1900 1900	0261 ata: In	0 161	0961 or 1990	0861	0007	
Kai Jensen et al.	Estuarine marshes along the Elbe	De	ltas in t	imes d	of clim	iate c	hange	e :	30.09.	2010	UH	i I	

























