

Project Summary Sheet						
Client/Authority Scarborough Borough Council			Prepared (date)		17/08/2004	
Project name Long plantation Watercourse Combined Option 3			Printed		JF	
Project reference			Prepared by		TAI	
Base date for estimates (year 0)			Checked by		Checked date	
Scaling factor (e.g. £m, £k, £)			Checked date			
Principle land use band			NA			
Discount rate			Jun'04			
Costs and benefits of options			£k (used for all costs, losses and benefits)			
			B (A to E)			
			3.0%			
			Costs and benefits £k			
			Do Nothing	Do Minimum	Combined Option 3 (Q25 Works)	Combined Option 3 (Q50 Works)
			Combined Option 3 (Q100 Works)	Combined Option 3 (Q200 Works)		
PV costs PVc			-	31.50	211.30	228.21
PV damage PVd			825.29	712.52	531.64	416.74
PV damage avoided				112.76	293.65	408.54
Total PV benefits PVb				112.76	293.65	408.54
Net Present Value NPV				81.26	82.35	180.33
Average benefit/cost ratio				3.58	1.39	1.79
Incremental benefit/cost ratio					1.01	6.79
					9.58	7.20
						Highest b/c
Brief description of options:						
Do Nothing			Do nothing			
Do Minimum			Channel clearance and annual maintenance to ensure channel stays clear			
Combined Option 3 (Q25 Works)			Q25 Works			
Combined Option 3 (Q50 Works)			Q50 Works			
Combined Option 3 (Q100 Works)			Q100 Works			
Combined Option 3 (Q200 Works)			Q200 Works			
Notes:						
1) Benefits will normally be expressed either in terms of damage avoided or asset values protected. Care is needed to avoid double counting						
2) PV damage avoided is calculated as PV damage (No Project) - PV damage (Option) PV asset protection benefits are calculated as PVa (Option) - PVa (No Project) PV benefits calculated as PV damage avoided + PV asset protection benefits						
3) Incremental benefit/cost ratio is calculated as: (PVb(current option) - PVb(previous option))/(PVc(current option) - PVc(previous option))						