

Project Summary Sheet								
Client/Authority Scarborough Borough Council			Prepared (date)		16/08/2004			
Project name Church Beck Combined Option 5 - Lower			Printed		EJA			
Project reference			Prepared by		JF			
Base date for estimates (year 0)			Checked by		Checked date			
Scaling factor (e.g. £m, £k, £)			N/A					
Principle land use band			Jun'04					
Discount rate			£k (used for all costs, losses and benefits)					
Costs and benefits of options			B (A to E)					
			3.0%					
			Costs and benefits £k					
			Do Nothing	Option 2 (do minimum)	Option 5 (Q25 Works - L)	Option 5 (Q50 Works -L)	Option 5 (Q100 Works -L)	Option 5 (Q200 Works-L)
PV costs PVc			-	94.36	593.53	622.67	641.79	664.38
PV damage PVd			2,810.58		1,116.20	715.05	369.79	137.04
PV damage avoided					1,694.38	2,095.52	2,440.79	2,673.54
Total PV benefits PVb				-	1,694.38	2,095.52	2,440.79	2,673.54
Net Present Value NPV			-	94.36	1,100.85	1,472.85	1,799.00	2,009.16
Average benefit/cost ratio				-	2.85	3.37	3.80	4.02
Incremental benefit/cost ratio					3.39	13.77	18.06	10.30
								Highest b/c
Brief description of options:								
Do Nothing			Do nothing					
Do Minimum			Do minimum					
Option 5 (Q25 Works - L)			Q25 Works					
Option 5 (Q50 Works -L)			Q50 Works					
Option 5 (Q100 Works -L)			Q100 Works					
Option 5 (Q200 Works- L)			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))								