Project Summary Sheet

Client/Authority					Prepared (date)	
Scarborough Borough Council					Printed	17/08/2004
Project name					Prepared by	JF
Burniston, Cloughton & Quarry Becks - Combined Option 4					Checked by	TAI
Project reference			NA		Checked date	
Base date for estimates (year 0)			Jun'04			
Scaling factor (e.g. £m, £k, £)			£k	(used for all costs, losses and benefits)		
Principle land use band			B	(A to E)		
Discount rate			3.0%			
Costs and benefits of options						

Costs and benefits £k

	Do Nothing	Do Minimum	Combined Option A (Q25 Works)	Combined Option A (Q50 Works)	Combined Option A (Q100 Works)	Combined Option A (Q200 Works)
PV costs PVc	-	31.50	426.70	583.30	909.67	999.37
PV damage PVd	3,876.60	3,359.93	2,696.31	1,843.13	940.71	337.83
PV damage avoided		516.67	1,180.29	2,033.47	2,935.89	3,538.76
Total PV benefits PVb		516.67	1,180.29	2,033.47	2,936.89	3,540.76
Net Present Value NPV		485.17	753.59	1,450.16	2,027.22	2,541.40
Average benefit/cost ratio		16.40	2.77	3.49	3.23	3.54
Incremental benefit/cost ratio			1.68	5.45	2.77	6.73
			-	-	-	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 A (Q25 Works)	Q25 Works
Combined Option A (Q50 Works)	Q50 Works
Combined Option A (Q100 Works)	Q100 Works
Combined Option A (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))