

Project Summary Sheet						
<b>Client/Authority</b>				Prepared (date)		
Scarborough Borough Council				Printed 17/08/2004		
<b>Project name</b>				Prepared by JF		
Burniston, Cloughton & Quarry Becks - Combined Option 3				Checked by TAI		
<b>Project reference</b>				Checked date		
Base date for estimates (year 0)				NA		
Scaling factor (e.g. £m, £k, £)				Jun'04		
Principle land use band				£k (used for all costs, losses and benefits)		
Discount rate				B (A to E)		
				3.0%		
<b>Costs and benefits of options</b>						
	<b>Costs and benefits £k</b>					
	Do Nothing	Do Minimum	Combined Option A (Q25 Works)	Combined Option A (Q50 Works)	Combined Option A (Q100 Works)	Combined Option A (Q200 Works)
<b>PV costs PVc</b>	-	31.50	666.70	787.30	1,313.67	1,583.85
<b>PV damage PVd</b>	3,876.60	3,359.93	2,696.31	1,929.78	940.71	337.83
<b>PV damage avoided</b>		516.67	1,180.29	1,946.82	2,935.89	3,538.76
<b>Total PV benefits PVb</b>		516.67	1,180.29	1,946.82	2,936.89	3,540.76
<b>Net Present Value NPV</b>		485.17	513.59	1,159.52	1,623.22	1,956.92
<b>Average benefit/cost ratio</b>		16.40	1.77	2.47	2.24	2.24
<b>Incremental benefit/cost ratio</b>			1.04	6.36	1.88	2.24
- Highest b/c -						
<b>Brief description of options:</b>						
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					
<b>Notes:</b>						
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:						
$(PVb(\text{current option}) - PVb(\text{previous option})) / (PVc(\text{current option}) - PVc(\text{previous option}))$						