Project Summary Sheet

Client/Authority				Prepared (date)	June-07
Environment Agency (Anglian Region)				Printed	29-Aug-07
Project name				Prepared by	G Boakes
Bin Brook - Social Class Weighting Not Applied				Checked by	G Boakes
Project reference		WNBINP		Checked date	28-Aug-07
Base date for estimates (year 0)		Dec-2006			
Scaling factor (e.g. £m, £k, £)		£	(used for all costs, losses and benefits)		
Principle land use band		B	(A to E)		
Discount rates	3.5%	3.0%	2.5%		
Optimism bias adjustment factor		0.0%			

Costs and benefits of options

	Costs and benefits £						
	Option 1	Option 2	Option 5a	Option 5	Option 6	Option 3	Option 4
PV costs PVc	-	385,256	2,483,237	2,498,173	2,548,583	2,793,795	2,817,950
Risk		-	345,000	345,000	345,000	345,000	345,000
Total PV Costs for appraisal PVc		385,256	2,828,237	2,843,173	2,893,583	3,138,795	3,162,950
PV damage PVd	17,512,129	3,618,038	1,322,761	593,906	299,843	194,366	176,900
PV damage avoided		13,894,091	16,189,368	16,918,223	17,212,286	17,317,762	17,335,229
PV assets Pva	-	-	-	-	-	-	-
Health Related Benefit		-	80,000	97,000	153,000	97,000	153,000
Total PV benefits PVb		13,894,091	16,269,368	17,015,223	17,365,286	17,414,762	17,488,229
Net Present Value NPV		13,508,835	13,441,130	14,172,049	14,471,703	14,275,967	14,325,279
Average benefit/cost ratio		36.06	5.75	5.98	6.00	5.55	5.53
Incremental benefit/cost ratio			0.97	49.94	6.94	0.20	3.04
		Highest b/c		-		-	-

Brief description of options:

Option 1	Do Nothing
Option 2	Maintenance
Option 3	Manual Storage Area 1 in 75
Option 4	Manual Storage Area 1 in 100
Option 5	Automatic Storage Area 1 in 75
Option 5a	Automatic Storage Area 1 in 50
Option 6	Automatic Storage Area 1 in 100

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))