

CH2MHILL®		CALCULATION SHEET			
Calculation title:	Runswick Bay PAR	Created by:	SMJ	Project code:	473342
		Date:	23/06/15	Serial no:	
Subject:	Preferred Option Costs for PAR	Verified by:	MC	Sheet no:	1
		Date:	27/07/15	Revision:	1

Notes

1. Input values drawn from "Summary CV PV - 5yr Costs" and "5yr PV Costs Pref. Options PAR"

Preferred Option (Option 6) PV Costs Year on Year (£)

Cost	Year 0	Year 1	Year 2	Year 3	Year 4	Five Year	Future Years	Overall Total
	2015/16	2016/17	2017/18	2018/19	2019/20	Totals		
	(£)	(£)	(£)	(£)	(£)	(£)	(£)	(£)
Capital								
Rock Armour								
Construction		485,592				485,592		485,592
Site investigation and survey (5%)	48,559					48,559		48,559
Environmental mitigation (7.5%)		36,419				36,419		36,419
Environmental enhancement (incl.)		0				0		0
Site supervision (7.55%)		36,419				36,419		36,419
SBC staff costs	25,000	24,150				49,150		49,150
Consultants fees	35,000	19,320				54,320		54,320
Yorkshire Water Service Diversion		193,200				193,200		193,200
Optimism Bias (30%)	32,568	238,530				271,098		271,098
Capital Totals	141,127	1,033,630	0	0	0	1,174,757	0	1,174,757
Contributions		-347,760				-347,760		-347,760
Capital Totals	141,127	685,870	0	0	0	826,997	0	826,997
Non-Capital								
Rock Armour								
Maintenance	832	804	777	750	725	3,888	54,687	58,575
Ex. southern defences maintenance	832	804	777	750	725	3,888	183,317	187,205
PV Other (env. etc 5%)	83	80	78	75	73	389	11,900	12,289
PV fees etc (12%)	200	193	186	180	174	933	28,560	29,494
Optimism Bias (30%)	584	564	545	527	509	2,729	83,539	86,269
Non capital Totals	2,531	2,445	2,363	2,283	2,206	11,827	362,004	373,831
Total	143,658	688,316	2,363	2,283	2,206	838,825	362,004	1,200,829

Summary Preferred Option PV Costs Year on Year (£k)

Cost	Year 0	Year 1	Year 2	Year 3	Year 4	Five Year	Future Years	Overall Total
	2015/16	2016/17	2017/18	2018/19	2019/20	Totals		
	(£k)	(£k)	(£k)	(£k)	(£k)	(£k)	(£k)	(£k)
PV Capital	141	686	0	0	0	827	0	827
PV Non capital	3	2	2	2	2	12	362	374
PV Total	144	688	2	2	2	839	362	1,201

Table 6-3 Summary PV Costs of Preferred Option

Cost	Year 0	Year 1	Year 2	Year 3	Year 4	Five Year	Future Years	Overall Total
	2015/16	2016/17	2017/18	2018/19	2019/20	Totals		
	(£k)	(£k)	(£k)	(£k)	(£k)	(£k)	(£k)	(£k)
PV Capital	141	686	0	0	0	827	0	827
PV Maintenance	3	2	2	2	2	12	362	374
PV Total	144	688	2	2	2	839	362	1,201