

CH2M HILL	PROJECT			
Calculation title:	Runwick Bay PAR	Created by:	SMU	473342
		Date:	24/06/15	
Subject:	Table of all cash costs for inflation & overall check	Verified by:	MC	1
		Date:	27/07/15	1

Notes

1. Inflation rate assumed to be 2% pa. 2%

		CASH - CAPITAL										CASH - NON CAPITAL ROCK ARMOUR						NON-CAP TOTALS		OVERALL TOTALS
Year		Rock Armour	Southern Defences	All add ons (13%)	SBC Staff Costs	Consultants Fees	YW Service Diversion	Optimism Bias (30%)	Sub Total	Contribs.	CAPITAL TOTALS	Scheme Maint.	Defence Maint.	Other (env. etc 5%)	Fees etc (12%)	Optimism Bias (30%)				
Totals 1st 5 Years (0 to 4)		502,587	0	125,647	52,000	75,000	200,000	279,970	1,235,204	-360,000	875,204	4,160	4,160	416	998	351,612	1,523,652	1,523,652		
Totals Years 5 to 100:		0	0	0	0	0	0	0	0	0	0	272,150	729,593	50,087	120,209	351,612	1,523,652	1,523,652		
Inflation factor Overall Totals:		502,587	0	125,647	52,000	75,000	200,000	279,970	1,235,204	-360,000	875,204	276,310	733,753	50,503	121,208	354,532	1,536,307	2,389,511		
2014	2015				2,000	20,000		Nil	22,000		22,000									
2015	2016	0	0	0	25,000	20,000		18,000	78,000		78,000	832	832	83	200	584	2,531	80,531		
1.02	2016	2017	1	502,587	0	125,647	25,000	20,000	200,000	261,970	1,135,204	-360,000	775,204	832	832	83	200	584	2,531	
1.040	2017	2018	2	0	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	777,735	
1.061	2018	2019	3	0	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531	
1.082	2019	2020	4	0	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531	
1.104	2020	2021	5	0	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531	
1.126	2021	2022	6	0	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531	
1.149	2022	2023	7	0	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531	
1.172	2023	2024	8	0	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531	
1.195	2024	2025	9	0	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531	
1.219	2025	2026	10	0	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531	
1.243	2026	2027	11	0	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531	
1.268	2027	2028	12	0	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531	
1.294	2028	2029	13	0	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531	
1.319	2029	2030	14	0	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531	
1.346	2030	2031	15	0	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531	
1.373	2031	2032	16	0	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531	
1.400	2032	2033	17	0	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531	
1.428	2033	2034	18	0	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531	
1.457	2034	2035	19	0	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531	
1.486	2035	2036	20	0	0	0	0	0	0	0	28,300	163,262	9,578	22,988	67,239	291,367	291,367			
1.516	2036	2037	21	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
1.546	2037	2038	22	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
1.577	2038	2039	23	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
1.608	2039	2040	24	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
1.641	2040	2041	25	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
1.673	2041	2042	26	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
1.707	2042	2043	27	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
1.741	2043	2044	28	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
1.776	2044	2045	29	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
1.811	2045	2046	30	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
1.848	2046	2047	31	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
1.885	2047	2048	32	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
1.922	2048	2049	33	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
1.961	2049	2050	34	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
2.000	2050	2051	35	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
2.040	2051	2052	36	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
2.081	2052	2053	37	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
2.122	2053	2054	38	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
2.165	2054	2055	39	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
2.208	2055	2056	40	0	0	0	0	0	0	0	28,300	163,262	9,578	22,988	67,239	291,367	291,367			
2.252	2056	2057	41	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
2.297	2057	2058	42	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
2.343	2058	2059	43	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
2.390	2059	2060	44	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
2.438	2060	2061	45	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
2.487	2061	2062	46	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
2.536	2062	2063	47	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
2.587	2063	2064	48	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
2.639	2064	2065	49	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
2.692	2065	2066	50	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
2.745	2066	2067	51	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
2.800	2067	2068	52	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
2.856	2068	2069	53	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
2.913	2069	2070	54	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
2.972	2070	2071	55	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
3.031	2071	2072	56	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
3.092	2072	2073	57	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
3.154	2073	2074	58	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
3.217	2074	2075	59	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
3.281	2075	2076	60	0	0	0	0	0	0	0	28,300	163,262	9,578	22,988	67,239	291,367	291,367			
3.347	2076	2077	61	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		
3.414	2077	2078	62	0	0	0	0	0	0	0	0	832	832	83	200	584	2,531	2,531		