

CH2MHILL					
Calculation file:	Runswick Bay PAR	Created by:	SMJ	Project:	473342
Date:	23/06/16	Serial no.:			
Subject:	5 Yr & 100 Yr Costs for PAR Expenditure Profile	Verified by:	MC	Sheet no.:	1
		Date:	23/07/16	Revision:	

- NOTES**
- This sheet copied from "Runswick Bay Costs v6 (use for YW contribution calc).xlsx" and amended for PAR. Note there is no automatic link.
 - Cost inputs drawn from "PAR Option Costs"
 - Year 0 is 2015/16

Discount rates:	Year:	0	30	75
	Rate:	3.5%	3.0%	2.5%

Summary of 1st 5 years (0 to 4) and years 5 to 100 costs £ (excluding Env. Fees and O&M)

From Year	To Year	Option 2 (20 years)			Option 3			Option 6			Options 7 & 8						
		CV Total	CV Total	PV Cap	PV Main	CV Total	CV Total	PV Cap	PV Main	CV Total	CV Total	PV Cap	PV Main				
Total		0	52,951	0	34,148	1,059,478	224,627	1,023,650	49,511	502,587	276,310	485,592	58,573	962,414	564,537	929,868	109,086
0	4	0	4,160	0	3,888	1,059,478	4,160	1,023,650	3,888	502,587	4,160	485,592	3,888	962,414	4,160	929,868	3,888
5	100	0	48,791	0	30,260	0	220,467	0	45,622	0	272,150	0	54,685	0	560,377	0	105,198

Southern Defences			
CV Total	CV Total	PV Cap	PV Main
0	733,753	0	187,207
0	4,160	0	3,888
0	729,593	0	183,317

100 year costs (cash and PV £)

Year	Discount	Option 2 (20 years)			Option 3			Option 6			Options 7 & 8						
		CV Total	CV Total	PV Cap	PV Main	CV Total	CV Total	PV Cap	PV Main	CV Total	CV Total	PV Cap	PV Main				
Total		0	52,951	0	34,148	1,059,478	224,627	1,023,650	49,511	502,587	276,310	485,592	58,573	962,414	564,537	929,868	109,086
0	1.000	832	832	0	832	0	832	0	832	0	832	0	832	0	832	0	832
1	0.966	832	832	0	832	1,059,478	832	1,023,650	804	502,587	832	485,592	804	962,414	832	929,868	804
2	0.934	832	832	0	832	0	772	0	772	832	0	772	832	0	832	0	772
3	0.902	832	832	0	832	0	729	0	729	832	0	729	832	0	832	0	729
4	0.871	832	832	0	832	0	687	0	687	832	0	687	832	0	832	0	687
5	0.842	832	832	0	832	0	645	0	645	832	0	645	832	0	832	0	645
6	0.814	832	832	0	832	0	603	0	603	832	0	603	832	0	832	0	603
7	0.788	832	832	0	832	0	562	0	562	832	0	562	832	0	832	0	562
8	0.763	832	832	0	832	0	521	0	521	832	0	521	832	0	832	0	521
9	0.739	832	832	0	832	0	481	0	481	832	0	481	832	0	832	0	481
10	0.716	832	832	0	832	0	441	0	441	832	0	441	832	0	832	0	441
11	0.694	832	832	0	832	0	402	0	402	832	0	402	832	0	832	0	402
12	0.673	832	832	0	832	0	363	0	363	832	0	363	832	0	832	0	363
13	0.653	832	832	0	832	0	325	0	325	832	0	325	832	0	832	0	325
14	0.634	832	832	0	832	0	287	0	287	832	0	287	832	0	832	0	287
15	0.616	832	832	0	832	0	250	0	250	832	0	250	832	0	832	0	250
16	0.599	832	832	0	832	0	213	0	213	832	0	213	832	0	832	0	213
17	0.583	832	832	0	832	0	177	0	177	832	0	177	832	0	832	0	177
18	0.568	832	832	0	832	0	141	0	141	832	0	141	832	0	832	0	141
19	0.554	832	832	0	832	0	106	0	106	832	0	106	832	0	832	0	106
20	0.540	832	832	0	832	0	71	0	71	832	0	71	832	0	832	0	71
21	0.527	832	832	0	832	0	37	0	37	832	0	37	832	0	832	0	37
22	0.515	832	832	0	832	0	3	0	3	832	0	3	832	0	832	0	3
23	0.504	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
24	0.494	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
25	0.485	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
26	0.477	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
27	0.470	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
28	0.464	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
29	0.459	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
30	0.455	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
31	0.452	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
32	0.449	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
33	0.447	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
34	0.445	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
35	0.444	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
36	0.443	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
37	0.442	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
38	0.441	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
39	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
40	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
41	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
42	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
43	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
44	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
45	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
46	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
47	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
48	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
49	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
50	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
51	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
52	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
53	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
54	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
55	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
56	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
57	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
58	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
59	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
60	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
61	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
62	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
63	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
64	0.440	832	832	0	832	0	0	0	0	832	0	0	832	0	832	0	0
65	0.440	832	832	0	832	0	0	0	0	832							