

Project users	Project name	Design name	Tool name		
Mattias Hedstrom	Sanering Skeppsdo	Ex-Situ	BREEAM Infrastructure LCA (CEEQUAL)		
Section	Resource	User input	Unit	Global warm	Acidification
A1-A3-full	Diesel, HVO100 (20		1 MJ	0,0164	0
A1-A3-full	Aggregate, from st:	14400	ton	37440	288
A1-A3-full	Light expanded clay		0 kg	0	0
Subtotal for A1-A3-full:				37440,02	288
A4b	Aggregate, from st:	14400	ton	8427,37	38,26
A4b	Clay soil, loose dry	16200	ton	15406,29	69,95
Subtotal for A4b:				23833,67	108,22
A5	Contaminated Soil '	16200	ton	4601841,7	1441,99
A5	Diesel, HVO100 (20		1 MJ	0	0
A5	Excavator, wheelec	1800	h	48198,67	72,76
A5	Excavator, wheelec	600	h	16066,22	24,25
A5	Soil compaction wii	118000	m2	5770,2	8,64
Subtotal for A5:				4671876,8	1547,64
Total:				4733150,5	1943,85

Eutrophication	Ozone Depletion	Formation of acid equivalents	Abiotic depletion (fossil fuels)	Abiotic depletion (minerals)	Biogenic carbon	Use of net primary production	Hazardous waste
0	0	0	0	0	0	0	0
576	0,00102	24,48	0,0418	446400	0	80,64	73,44
0	0	0	0	0	0	0	0
576	0,00102	24,48	0,0418	446400	0	80,64	73,44
8,32	0,00166	0,543	61	242159,62	0	0	0,0329
15,22	0,00304	0,992	111,52	442698,05	0	0	0,0601
23,54	0,0047	1,53	172,53	684857,66	0	0	0,093
5219,47	0,0462	1253,99	1932,65	4327257,2		4213,46	0,0315
0	0	0	0	0		0	0
14,86	0,00838	7,48	0,0063	654065,75		34,62	0,175
4,95	0,00279	2,49	0,0021	218021,92		11,54	0,0582
1,52	0,000984	0,877	0,0089	79886		0,676	0,668
5240,8	0,0584	1264,84	1932,67	5279230,8		4260,29	0,932
5840,34	0,0641	1290,85	2105,24	6410488,5	0	4340,93	74,47

Non hazard	Radioactiv	Mass of ra	Question	Comment	Cost item	Service life	CESMM4	Resource s
0	0	0	Geotechnical structures and foundations				notSelecte	Oil based fi
1728	0,504	14400000	Masses sol Bergkross 0-90			As building	notSelecte	Sand, soil a
0	0	0	Masses sourced for the project			As building	notSelecte	Engineered
1728	0,504	14400000						
25,65	0,94	14400000	Masses sol Bergkross 0-90			As building	notSelecte	Sand, soil a
46,9	1,72	16200000	Removed n 643 Deponi förorenad			As building	notSelecte	Sand, soil a
72,55	2,66	30600000						
16200025	0,9		Construction waste				notSelecte	Mineral wa
0	0		Geotechnical structures and foundations				notSelecte	Oil based fi
283,38	4,7		Machine h 639 30 ton grävmaskin Schaktarbe				notSelecte	Machine o
94,46	1,57		Machine h 647 30 ton Grävmaskin Återställni				notSelecte	Machine o
12,86	0,00376		Machine h 652 1217 valtvält .300h. Omräkna				notSelecte	Machine o
16200415	7,17							
16202216	10,34	45000000						

Uni class	CSI master	Constructi	Occurrence	Original cl	Environme	Resource	Transformation
P8	1					Boverket, v Diesel, HVO100 (2023), CO2 only	
P3	31					EPD aggreg	Aggregate, from stationary crushir
P3	31					Leca® Lettk Light	expanded clay aggregate
P3	31					EPD aggreg	Aggregate, Dumper truck, 19 ton c
P3	31					One Click L Clay soil, lo	Dumper truck, 19 ton c
ste							Contaminated Soil Waste to landfi
P8	1					Boverket, v Diesel, HVO100 (2023), CO2 only	
eration						LCA for ma Excavator, wheeled, diesel-driven,	
eration						LCA for ma Excavator, wheeled, diesel-driven,	
eration						One Click L Soil compaction with soil roller cor	

:capacity, 100% fill rate (+A1&A2)
:capacity, 100% fill rate (+A1&A2)

operation per hour (+A1&A2)
operation per hour (+A1&A2)