

Table RG--1. Allocation of Discounted Service Acre Years (DSAYs) by Footprint and Site in Hylebos Waterway

SUBSTANCE OF CONCERN	FOOTPRINT NUMBER	SITE	ALLOCATION PORTION	Discounted Service Acre Years	
Silver	AG1	UNRESOLVED TYPE II	100%	0.434	
	AG2	SOUND REFINING		1.052	
	AG3	UNRESOLVED TYPE II		1.515	
Arsenic	AS1	WASSER WINTERS	100%	0.117	
	AS2	MANKE LUMBER	100%	1.817	
	AS3	UNRESOLVED TYPE I		0.187	
	AS4	TACOMA BOATBUILDING	100%	1.651	
	AS5	TACOMA BOATBUILDING	100%	1.852	
	AS6	DUNLAP TOWING	100%	1.116	
	AS7	GENERAL METALS OF TACOMA	100%	0.012	
	AS8	ELF ATOCHEM	100%	5.097	
	AS9	GENERAL METALS OF TACOMA	100%	1.038	
	AS10	MURRAY PACIFIC	25%	0.675	
	AS10	US GYPSUM	75%	2.026	
	AS11	SOUND REFINING	100%	2.777	
	AS12	TAYLOR WAY PROPERTIES	100%	0.562	
	AS13	SOUND REFINING	100%	2.791	
	AS14	OCCIDENTAL	100%	0.010	
	AS15	OCCIDENTAL	100%	0.014	
AS16	AK-WA SHIPBUILDING	100%	2.790		
Butylbenzyl Phthalate	BBPH1	UNRESOLVED TYPE II	100%	0.045	
	BBPH2	UNRESOLVED TYPE II		1.463	
	BBPH3	UNRESOLVED TYPE I		0.090	
	BBPH4	UNRESOLVED TYPE I		0.180	
	BBPH5	UNRESOLVED TYPE II		5.100	
	BBPH6	UNRESOLVED TYPE I		0.974	
	BBPH7	GENERAL METALS OF TACOMA		5.634	
	BBPH8	DON OLINE AUTOFLUFF SITE		40%	10.881
	BBPH8	GENERAL METALS OF TACOMA		19%	5.168
	BBPH8	JONES CHEMICAL		1%	0.272
	BBPH8	MODUTECH MARINE		40%	10.881
	BBPH9	UNRESOLVED TYPE II		0.163	
	BBPH10	UNRESOLVED TYPE I		0.471	
	BBPH11	UNRESOLVED TYPE I		0.345	
	BBPH12	UNRESOLVED TYPE II		20.072	
	BBPH13	UNRESOLVED TYPE I		0.168	
	BBPH14	UNRESOLVED TYPE II		0.188	
	BBPH15	UNRESOLVED TYPE II		0.855	
	BBPH16	UNRESOLVED TYPE I		0.614	
	BBPH17	UNRESOLVED TYPE I		0.181	
BBPH18	UNRESOLVED TYPE I	0.068			
BBPH19	UNRESOLVED TYPE II	0.119			
BBPH20	UNRESOLVED TYPE II	1.564			
bis (2-Ethylhexyl) Phthalate	BEPH1	UNRESOLVED TYPE I	100%	0.187	
	BEPH2	UNRESOLVED TYPE II		0.095	
	BEPH3	GENERAL METALS OF TACOMA		5.194	

	BEPH4	UNRESOLVED TYPE II		0.017
	BEPH5	JONES CHEMICAL	100%	2.491
	BEPH6	DON OLINE AUTOFLUFF SITE	100%	1.076
	BEPH7	MODUTECH MARINE	100%	0.902
	BEPH8	UNRESOLVED TYPE II		5.693
	BEPH9	UNRESOLVED TYPE II		0.028
	BEPH10	UNRESOLVED TYPE II		0.103
	BEPH11	UNRESOLVED TYPE II		1.642
Cadmium	CD1	GENERAL METALS OF TACOMA	100%	0.041
	CD2	GENERAL METALS OF TACOMA	100%	0.216
	CD3	DON OLINE AUTOFLUFF SITE	100%	0.720
	CD4	SOUND REFINING	100%	0.294
Chromium	CR1	TACOMA BOATBUILDING	100%	0.389
	CR2	GENERAL METALS OF TACOMA	100%	0.028
	CR3	GENERAL METALS OF TACOMA	100%	0.247
	CR4	ELF ATOCHEM	25%	0.065
	CR4	US GYPSUM	75%	0.196
	CR5	UNRESOLVED TYPE II		0.364
	CR6	TAYLOR WAY PROPERTIES	100%	1.328
	CR7	UNRESOLVED TYPE II		5.502
	CR8	OCCIDENTAL	100%	0.024
	CR9	OCCIDENTAL	100%	0.171
	CR10	UNRESOLVED TYPE II		0.125
	CR11	AK-WA SHIPBUILDING	100%	2.680
Copper	CU1	JONES & GOODELL BOATBUILDING	100%	1.485
	CU2	TACOMA BOATBUILDING	100%	5.140
	CU3	US GYPSUM	100%	1.534
	CU4	DON OLINE AUTOFLUFF SITE	50%	0.934
	CU4	MODUTECH MARINE	50%	0.934
	CU5	MURRAY PACIFIC	100%	0.111
	CU6	BUFFELEN	100%	2.858
	CU7	SOUND REFINING	100%	4.495
	CU8	TAYLOR WAY PROPERTIES	100%	0.415
	CU9	OCCIDENTAL	100%	0.047
	CU10	OCCIDENTAL	100%	0.014
	CU11	OCCIDENTAL	100%	0.127
	CU12	AK-WA SHIPBUILDING	100%	15.991
Dichloro-diphenyl dichloroethane	DDD1	UNRESOLVED TYPE I		0.310
	DDD2	ELF ATOCHEM	100%	2.913
	DDD3	ELF ATOCHEM	100%	0.407
	DDD4	UNRESOLVED TYPE II		0.846
	DDD5	UNRESOLVED TYPE II		3.002
Dichloro-diphenyl dichloroethylene	DDE1	UNRESOLVED TYPE I		0.347
	DDE2	UNRESOLVED TYPE I		0.228
	DDE3	UNRESOLVED TYPE I		0.405
	DDE4	ELF ATOCHEM	100%	3.313
	DDE5	UNRESOLVED TYPE I		0.098
	DDE6	UNRESOLVED TYPE II		3.308
Dichloro-diphenyl trichloroethane	DDT1	UNRESOLVED TYPE II		0.021

	DDT2	ELF ATOCHEM	100%	9.400
	DDT3	UNRESOLVED TYPE II		0.225
	DDT4	UNRESOLVED TYPE II		0.230
	DDT5	UNRESOLVED TYPE II		0.052
	DDT6	UNRESOLVED TYPE II		0.169
	DDT7	UNRESOLVED TYPE II		4.412
2,4-dimethyl phenol	DMP1	UNRESOLVED TYPE I		0.278
	DMP2	DUNLAP TOWING	100%	0.076
	DMP3	UNRESOLVED TYPE II		0.062
	DMP4	UNRESOLVED TYPE II		0.104
	DMP5	UNRESOLVED TYPE II		0.187
	DMP6	UNRESOLVED TYPE I		0.070
dimethylphthalate	DMPH1	UNRESOLVED TYPE I		0.059
	DMPH2	UNRESOLVED TYPE II		11.684
	DMPH3	UNRESOLVED TYPE II		0.132
	DMPH4	UNRESOLVED TYPE I		0.209
	DMPH5	UNRESOLVED TYPE I		0.162
	DMPH6	UNRESOLVED TYPE II		0.135
	DMPH7	UNRESOLVED TYPE II		4.856
	DMPH8	UNRESOLVED TYPE II		0.144
	DMPH9	DON OLINE AUTOFLUFF SITE	50%	1.217
	DMPH9	MODUTECH MARINE	50%	1.217
	DMPH10	UNRESOLVED TYPE II		0.211
	DMPH11	UNRESOLVED TYPE II		0.639
	DMPH12	UNRESOLVED TYPE II		0.078
Di-n-octyl phthalate	DOPH1	UNRESOLVED TYPE I		0.384
	DOPH2	UNRESOLVED TYPE II		0.161
	DOPH3	GENERAL METALS OF TACOMA	100%	0.071
	DOPH4	UNRESOLVED TYPE II		0.200
	DOPH5	GENERAL METALS OF TACOMA	100%	1.097
	DOPH6	UNRESOLVED TYPE I		0.132
	DOPH7	DON OLINE AUTOFLUFF SITE	100%	0.092
	DOPH7	HYLEBOS MARINA	0%	0.000
	DOPH8	DON OLINE AUTOFLUFF SITE	100%	0.190
	DOPH9	UNRESOLVED TYPE II		0.097
	DOPH10	UNRESOLVED TYPE II		1.382
	DOPH11	UNRESOLVED TYPE II		1.076
Hexachlorobenzene	HCB1	ELF ATOCHEM	100%	1.414
	HCB2	UNRESOLVED TYPE I		0.323
	HCB3	UNRESOLVED TYPE I		0.168
	HCB4	UNRESOLVED TYPE I		0.289
	HCB5	UNRESOLVED TYPE I		0.095
	HCB6	OCCIDENTAL	100%	37.154
	HCB7	UNRESOLVED TYPE I		0.205
Hexachlorobutadiene	HCBD1	UNRESOLVED TYPE I		1.685
	HCBD2	UNRESOLVED TYPE I		0.881
	HCBD3	UNRESOLVED TYPE I		1.928
	HCBD4	UNRESOLVED TYPE II		1.967
	HCBD5	UNRESOLVED TYPE II		0.912
	HCBD6	ELF ATOCHEM	95%	13.511

	HCBD6	GENERAL METALS OF TACOMA	5%	0.711
	HCBD7	UNRESOLVED TYPE I		1.113
	HCBD8	UNRESOLVED TYPE I		0.511
	HCBD9	UNRESOLVED TYPE I		1.002
	HCBD10	UNRESOLVED TYPE II		12.469
	HCBD11	UNRESOLVED TYPE II		0.043
	HCBD12	UNRESOLVED TYPE I		0.105
	HCBD13	OCCIDENTAL	100%	99.397
Mercury	HG1	JONES & GOODELL BOATBUILDIN	100%	0.564
	HG2	JONES & GOODELL BOATBUILDIN	100%	0.009
	HG3	UNRESOLVED TYPE I		0.014
	HG4	UNRESOLVED TYPE I		4.929
	HG5	UNRESOLVED TYPE I		0.520
	HG6	GENERAL METALS OF TACOMA	100%	1.776
	HG7	GENERAL METALS OF TACOMA	100%	0.322
	HG8	ELF ATOCHEM	100%	6.894
	HG9	HYLEBOS MARINA	100%	1.396
	HG10	DON OLINE AUTOFLUFF SITE	100%	0.238
	HG11	UNRESOLVED TYPE I		0.312
	HG12	UNRESOLVED TYPE I		0.101
	HG13	UNRESOLVED TYPE I		0.773
	HG14	3138 MARINE VIEW DR	100%	1.621
	HG15	3138 MARINE VIEW DR	100%	4.799
	HG16	OCCIDENTAL	100%	0.040
	HG17	OCCIDENTAL	100%	1.577
	HG18	UNRESOLVED TYPE I		0.430
dimethylphthalate	MDCB1	UNRESOLVED TYPE II		0.969
	MDCB2	UNRESOLVED TYPE II		0.793
	MDCB3	UNRESOLVED TYPE I		0.156
	MDCB4	UNRESOLVED TYPE II		2.997
	MDCB5	UNRESOLVED TYPE II		0.678
	MDCB6	GENERAL METALS OF TACOMA	100%	0.056
	MDCB7	GENERAL METALS OF TACOMA	100%	2.033
dimethylphthalate (continued)	MDCB8	UNRESOLVED TYPE II		0.901
	MDCB9	UNRESOLVED TYPE II		3.468
	MDCB10	UNRESOLVED TYPE II		0.266
	MDCB11	UNRESOLVED TYPE II		1.583
	MDCB12	UNRESOLVED TYPE II		1.483
	MDCB13	UNRESOLVED TYPE I		0.931
	MDCB14	UNRESOLVED TYPE II		0.971
	MDCB15	OCCIDENTAL	100%	1.343
Nickel	NI1	DON OLINE AUTOFLUFF SITE	100%	0.638
	NI2	OCCIDENTAL	100%	0.191
	NI3	OCCIDENTAL	100%	0.076
	NI4	OCCIDENTAL	100%	0.071
Lead	PB1	TACOMA BOATBUILDING	100%	0.912
	PB2	US GYPSUM	100%	1.184
	PB3	DON OLINE AUTOFLUFF SITE	100%	0.681
	PB4	SOUND REFINING	100%	0.727
	PB5	TAYLOR WAY PROPERTIES	100%	0.230
	PB6	UNRESOLVED TYPE II		4.591

	PB7	OCCIDENTAL	100%	3.478
	PB8	OCCIDENTAL	100%	0.066
	PB9	OCCIDENTAL	100%	0.053
Pentachlorophenol	PCP1	OCCIDENTAL	100%	0.093
	PCP2	UNRESOLVED TYPE I		0.453
	PCP3	NO ALLOCATION		207.562
1,4-dichlorobenzene	PDCB1	OCCIDENTAL	100%	0.280
Antimony	SB1	WASSER WINTERS	100%	1.133
	SB2	JONES & GOODELL BOATBUILDIN	25%	0.594
	SB2	MANKE LUMBER	75%	1.782
	SB3	DUNLAP TOWING	10%	2.043
	SB3	ELF ATOCHEM	10%	2.043
	SB3	GENERAL METALS OF TACOMA	10%	2.043
	SB3	MANKE LUMBER	5%	1.021
	SB3	TACOMA BOATBUILDING	65%	13.279
	SB4	ELF ATOCHEM	10%	0.846
	SB4	MURRAY PACIFIC	15%	1.269
	SB4	US GYPSUM	75%	6.345
	SB5	HYLEBOS MARINA	100%	0.164
	SB6	MODUTECH MARINE	100%	0.691
	SB7	CASCADE TIMBER (YARD #1)	20%	1.863
	SB7	JOSEPH SIMON & SONS	20%	1.863
	SB7	TAYLOR WAY PROPERTIES	60%	5.589
	SB8	UNRESOLVED TYPE II		5.248
	SB9	UNRESOLVED TYPE I		0.331
	SB10	UNRESOLVED TYPE II		2.089
	SB11	OCCIDENTAL	100%	0.394
Antimony (Continued)	SB12	AK-WA SHIPBUILDING	50%	3.452
	SB12	OCCIDENTAL	50%	3.452
Tributyltin	TBT1	UNRESOLVED TYPE I		0.714
	TBT2	JONES & GOODELL BOATBUILDIN	100%	2.120
	TBT3	LONE STAR NORTHWEST	0%	0.000
	TBT3	TACOMA BOATBUILDING	95%	10.126
	TBT3	WEYERHAEUSER	0%	0.000
	TBT3	DUNLAP TOWING	0%	0.000
	TBT3	MANKE LUMBER	5%	0.533
	TBT4	UNRESOLVED TYPE I		0.017
	TBT5	UNRESOLVED TYPE II		0.462
	TBT6	UNRESOLVED TYPE I		0.648
	TBT7	UNRESOLVED TYPE II		1.338
	TBT8	OLINE PROPERTIES	0%	0.000
	TBT8	HYLEBOS MARINA	100%	0.730
	TBT9	UNRESOLVED TYPE I		0.243
	TBT10	UNRESOLVED TYPE II		18.051
	TBT11	UNRESOLVED TYPE I		0.238
	TBT12	UNRESOLVED TYPE II		3.077
	TBT13	AK-WA SHIPBUILDING	95%	8.408
	TBT13	MARINE VIEW DR #1	0%	0.000
	TBT13	OLE & CHARLIE'S MARINA	5%	0.443

1,2,4-trichlorobenzene	TCB1	UNRESOLVED TYPE I		0.187
	TCB2	UNRESOLVED TYPE I		0.192
	TCB3	UNRESOLVED TYPE II		0.616
	TCB4	UNRESOLVED TYPE II		0.780
	TCB5	OCCIDENTAL	100%	10.144
	TCB6	UNRESOLVED TYPE I		0.641
Zinc	ZN1	JONES & GOODELL BOATBUILDING	100%	0.241
	ZN2	TACOMA BOATBUILDING	100%	1.883
	ZN3	TACOMA BOATBUILDING	100%	1.977
	ZN4	DUNLAP TOWING	100%	0.016
	ZN5	GENERAL METALS OF TACOMA	100%	2.113
	ZN6	ELF ATOCHEM	100%	0.039
	ZN7	US GYPSUM	100%	1.651
	ZN8	DON OLINE AUTOFLUFF SITE	100%	1.057
	ZN9	MURRAY PACIFIC	100%	0.122
	ZN10	UNRESOLVED TYPE I		0.284
	ZN11	SOUND REFINING	100%	1.981
	ZN12	TAYLOR WAY PROPERTIES	100%	0.427
	ZN13	OCCIDENTAL	100%	0.097
	ZN14	OCCIDENTAL	100%	0.050
	ZN15	OCCIDENTAL	100%	0.072
	ZN16	AK-WA SHIPBUILDING	100%	7.368