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et	Centr	e for E	nvironmer	ntal Tra	aining							
		Usine th	e Blue Book t	o prepare	an ESCP or S	WMP /B	lue Book Secti	on and Page F	eferences			
			No	Is the	area to be	disturbed	l>2,500m ² ?	Yes				
		1										
		ESCP							SWMP			
	Simple	plan to sh	ow BMPs					Deta	iled plan re	equired		
	No cal	culations r	equired					Calo	ulations re	quired		
	Barrierf	encing/no	≻go zones									
	Sec	dimentfer	ncing						-			
	Sta	bilised ac	cess	-					-			
	Sto	ckpile loca	tions	-					-			
	v	vaste stor	age	-					-			
		Notes on	-	-								
		sanicenan										
	Conjeso	f Standard	Drawines					Διτριτ	ment of Co	onstraints		
Blu	e Book Ref	erenceSe	ction 92(p 9)	5)				Blue Book B	eference S	ection 3 (p 3.1)		
				-		1						
	No	Doest	he site includ	e waterfro	nt(riparian	orflood	prone (<2 year	ARI flood les	el) land?	Yes		
	ţ									-		
	Erosion	Hazard As	sessment					Riparian land	automatic	ally considere	d	
Blu	e Book Ref	erence Fig	gure 4.6 (p 4.1	0)				5	ioil Loss Cla	iss 6		
Low				High V								
				RunRl	JSLE and de	termine Se	oil Loss Class					
				Blu	e Book Ref	erence Ap	pendix A					
				R-facto	r Blue Book	Reference	e Appendix B					
			K-fact	or Blue Bo	ok Referen	e Append	fix C or Lab tes	it results				
				LS-factor	Blue Book F	eference	Table A1 (p A	9)				
			P-fac	tor Blue B	ook Referen	ce Table	A2(pA11) Def	ault 1.3	-			
			1 C-fac	tor Blue B	ook Referer	ice Table /	A3 (pA13) Det	ault 1.0	1			





	Plan Preparation
	 What sort of plan do I require?
	 Plan may comprise: Drawing(s) to show layout of works Commentary as annotated sketches or report If disturbed area < 250m² may not need a plan
	 If disturbed area is >250m² and <2,500m² require an ESCP
4	If disturbed area is >2,500m ² require a SWMP Centre for Environmental Training Cett















Π	 Chapter 2 of the Blue Book describes the key differences between an ESCP and SWMP ESCP: Site plan (1:500 or larger) to show Site layout and locations of Best Management Practices (BMPs) Standard Drawings from Blue Book
	 SWMP, in addition, requires: Supporting calculations for sediment basins and structures Details of erosion and sediment controls Inspection and Test Plans (ITPs), maintenance notes

Cel			5						
	Using t	he Blue Book to p	prepare an ESCP o	rSWMP / Blue Bo	ok Section a	and Page R	eferences		
		-				-			
	_	No	Is the area to I	e disturbed >2,50	00m²?	Yes	-		
	4						~		
	ESCP						SWMP		
Sin	ple plan to si	how BMPs				Detai	iled plan rec	quired	-
No	calculations	required			_	Calo	ulations req	uired	
Barr	ier fending/n	o-go zones					_		
	Sedimentfe	ncing							
	Stabilised a	ccess					-		
	Stockpile loc	ations					_		
	Waste stor	rage					-		
-	Notes of	n:	-						
	Stabilizati	ion							
Com	or of Standar	Dowiess			-	Arrow	mont of Cor	straints	
Blue Book	Reference Se	ection 92(n 95)			Blue Book Reference Section 3 (n 3.1)			3.1)	
			_	1		De DOOR III	are cree oe	00011571	July
N	Doest	the site include	vaterfront (riparia	an) orflood prone	<2 year AB	I flood leve	el) land?	Yes	
5									1
Ero	ion Hazard A	ssessment			Rip	arian land	automatica	Ily consid	lered
Blue Book	Reference Fi	gure 4.6 (p 4.10)				S	oil Loss Clas	s6	
Low		н	igh 🗸						
			Run RUSLE and o	letermine Soil Lo	ss Class				
			Blue Book R	eference Append	ix A				
			R-factor Blue Bo	ok Reference App	endix B				
		K-factor	Blue Book Refere	nce Appendix C d	r Lab test re	sults			
		1	S-factor Blue Boo	Reference Table	A1(p A9)				



































Cel			5						
					1				
	Using the	Blue Book to pre	epare an ESCP or SWMP / B	lue Book Section	and Page Re	erences			
		No	is the area to be disturbed	>2 500m ² ?	Vas				
	J.	110		1742.0001111					
	ESCP					SWMP			
Simp	le plan to sho	w BMPs			Detai	led plan re	quired		
Noc	alculations re	quired			Calou	lations red	uired		
Barrie	r fencing/no-g	o zones							
S	edimentfenc	ing							
	stabilised acce	155							
S	tockpile locati	ons				_			
	Waste storag	e				_			
	Notes on:								
	Stabilization					-			
Conior	of Standard [Consider		Assessment of Constra Blue Book Reference Section			ssessment of Constraints		
Blue Book R	eference Sect	ion 92 (p 95)							
			-				coonstp	July	
No	Does the	site include wat	terfront (riparian) orflood	prone (vear AF	RI flood leve	I) land?	Yes		
1								Ţ	
Erosic	n Hazard Asse	ssment		Rij	parian land	automatica	lly consid	lered	
Blue Book R	eference Figu	re 4.6 (p 4.10)			Sc	il Loss Clas	is 6		
Low		High	1						
		R	un RUSLE and determine S	oil Loss Class					
			Blue Book Reference Ap	pendix A					
		R-	-factor Blue Book Referenc	e Appendix B					
		K-factor Blu	ue Book Kererence Append	tix C or Lab test re	suits				
		D.fastas P.	actor blue book Keference	1able A1(p A9)	.1.2				
		r-factors	tue book hererence lable.	nz (p A II) Defaul	+10				











cer								
	Using the	e Blue Book to p	repare an ESCP or SWMP / Blue B	ook Section	and Page Re	eferences		
		No	Is the area to be disturbed >2,5	500m ² ?	Yes			
	4					4		
	ESCP					SWMP		
Sim	ple plan to sho	ow BMPs			Detai	led plan re	quired	
No	calculations re	equired			Calcu	lations red	uired	
Barr	ier fencing/no-	go zones						
	Sedimentfen	cing						
	Stabilised acc	10.55						
	Stockpile locat	tions						
	Waste stora	ge				_		
	Notes on:					_		
	Maintenan	ce				_		
	Stabilisatio	n		_		-		
Copi	es of Standard	Drawings		_	Assessr	nent of Co	istraints	
Blue Book	ReferenceSer	tion 92 (p 95)		8	Sue Book Re	ference Se	ction 3 (p	31)
	_		Ý					
No	Doest	e site include w	vaterfront (riparian) or flood pror	ie{⊲2 year A	RI flood leve	el) land?	Yes	-
*				-				¥
Eros	tion Hazard Ass	essment		Ri	iparian land	automatica	illy consid	lered
Blue Book	Reference Fig	ure 4.6 (p 4.10)			Sc	oil Loss Clas	s6	_
Low		Hi	¢h √		_			
			Run RUSLE and determine Soil L	oss Class				
			Blue Book Reference Appen	dix A				
			R-factor Blue Book Reference Ap	pendix B				
		K-factor	Blue Book Kererence Appendix C	or Lab test n	esuits	-		
			-ractor blue book Reference Tab	ent(pA9)				
		P-factor	sive sook seterence Table A2()	PALI Defau	11.1.5			





Centre for Environmental Training

ow BMPs

rd Assessment ce Figure 4.6 (p 4.10)

No

Blue Book Refe

Using the Blue Book to prepare an ESCP or SWMP / Blue Book Sec No is the area to be disturbed >2,500m²?

Yes

A1(p A9) A11) Default 1.3 A13) Default 1.0 e 4.2(p 4.13)

Detailed plan required Calculations required

Assessment of Constraints Blue Book Reference Section 3 (p 3.1) r ARIflood level) land? Yes

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	Table 1	B Newcas	stle Soil Landsca	pes				
Soil landscape	Common constraints	Slope range (%)	Soil hydrologic group	Acid sulfate risk	USCS class	K-factor USLE	Sadimant Type	Sediment basin wall construction (earth)
Nerong Waterholes (mw)	low areas of high run-on, high watertables, seasonal waterlogging and flood hazard; some permanent waterlogging; general risks to foundations	<2	Group C/D	endemic	OH CH-MH CH	0.025 0.017 0.026	туре 0 Туре D Туре D Туре D	B J B
Norah Head (nii)	estimme wind excelum and high weiter excelor leazands; non cohesive highly permeable soils with very low fortility	<15	Group A	na	SP-SM SP SM	0.016 0.015 0.021	Туре FC Туре С Туре С	J J
Palerson Biver (pa)	high water erosion and flood hazard, localised non cohesive soll, wind erosion hazard; general risks to foundations	~3	Broup B	aportatic	GW SW	0.025 0.026	Туре Г Туре F	
North Ann Cove (ne)	generally high erosion hazard; localised areas with high run-or	~16	Group C/D	sporadio	ML-CL CH ML-CL	0.051 0.024 0.043	Тура D Тура F Тура F	e A J
Nungra (ng)	low-lying areas of high run-on, permanently high watertables, sessonal waterlogging and flood hazards; localised risks to foundations	~3	Group C/D	sporadic	ML-CL CL-ML	>0.079 >0.093	Тури D Туре D	1
Rivermead (ri)	localised shallow solis, high run-on, sensoral waterlogging, and thooley; localised stokin hazard; general risks to foundations	~d	Group B Group C	encerii:	SC SC OL SM CH CH	0.025 0.027 0.028 0.044 0.028 0.044 0.028	Type P Type D Type F Type F Type P Type D Type D	J B J D D
River Road (m)	centerally high erosion hazand; localised stopp stores, shallow solis and rock outcrop; low areas with high run-on and seasonal waterlogging	<40	Group C/D	sporadic	CL-ML CL-ML CH	>0.032 0.042 0.020	Type D Type D Type D	D A
Shoel Bey (ab)	non cohesive solis, wind erosion hazard; localised steep slopes; general risks of watertable pollution	<15	Group A	widespread	SW SW SW	0.000 0.000 0.009	Type C Type C Type C	J
Shoel Bay Swamp (88)	low tying area with high run-on, permanently high watertable , permanent waterkeging and flood hazard; non coheshe materials with wind high erosion hazard; general risks to	đ	Group D	endernic	3W	0.009	туре С	IJ





sh-jp	JERRYS PLAINS SOIL LANDSCAPE							
GENERAL								
This landscape of	overs the undulating low hills to the south and west of Jerrys Plains. The main							
coile are Solothe (D	v3.42 Dv3.22 Dv5.12 Dv2.12 Dv2.42 Db1.42) on the creete to midelonee with							
Solodic Soile (Dr2)	2 Dr 2 42 Dr 2 82 Db 2 42 Dr 3 42 Db 1 13) on the lower clones and in drainage							
depressions Brown Clavs (1)(6.4.1)(5.32) occurs in midelone depressions. Solodised Solometz								
appressives, brown carys (citor, cgs.s.g) occur an initiatable depressions, <u>Solodised Solodised</u>								
occur in many of the drainage lines. Other soils include Red Farths (Dr3 62) on upper slones with								
some Euchrozem -	Yellow Solodic Soil intergrades (Dv3 12)							
CLIMATIC ZONE	3B and 3E							
LANDFORM								
Undulating low	hills ranging in elevation from 80 – 180 m. Slope range from 2 – 10%, with most							
around 6%. Local relief is around 60 m. Slope lengths range from 900 – 3,000 m. Numerous small								
drainage lines occu	r, flowing to the north and east, at intervals of 200 – 1,100 m.							
NATIVE VEGETA	TION							
A woodland cor	nmunity of narrow-leaved red ironbark with forest red gum and grey gum with							
bull oak along drai	nage lines. Much regrowth occurs on unimproved pastures.							
GEOLOGY								
Geological Unit:	Jerrys Plains Subgroup of the Wittingham Coal Measures.							
Parent Rock:	Lithic sandstone, mudstone, some siltstone lenses and polymictic							
	conglomerates.							
Parent Material:	In situ weathered parent rock and derived colluvium.							
SOIL EROSION								
Severe gully ero	sion (1.5 – 3.0 m) in some drainage lines with occasional salt scalds. Minor sheet							
	turbed annea an hillelannea							



cet	I O TOT L		a maning					
	Using th	e Blue Book to p	repare an ESCP or SW	MP / Blue Book Sec	tion and Page R	eferences		
	1 (No	Is the area to be dis	turbed >2,500m ² ?	Yes			
	-					4		
	ESCP					SWMP		
Simple	plan to she	ow BMPs			Deta	iledplanre	quired	
No cal	culations r	equired			Calc	ulations red	quired	
Barrier	fencing/no	go zones						
Se	dimentfen	ang	-			-		
Sto	abilised act	tions	-			-		
510	Naste stora	ind is						
	Notes on							
	Maintenan	ce						
	Stabilisatio	in						
Copies	of Standard	Drawings			Assess	ment of Co	nstraints	
Blue Book Re	ference Se	ction 92 (p 95)			Blue Book R	eference Se	ection 3 (p	3.1)
				r				
No	Does t	ne site include w	aterfront (riparian) or	flood prone {<2 yes	ar ARI flood lev	el) land?	Yes	-
*			_					¥
Blue Book Re	Hazard Ass	sessment			Kiparian land	automatica	ally consid	ered
low High .			et .	-	3	Un LUSS Clas	550	
2011			Run RUSIF and deter	mine Soil Loss Class		1		
			Blue Book Refere	nce Appendix A				
						-		
			R-factor Blue Book Re	ference Appendix B	3			
		K-factor E	R-factor Blue Book Re Blue Book Reference A	ference Appendix E Appendix C or Lab te	3 est results			
		K-factor E	R-factor Blue Book Re Blue Book Reference A -factor Blue Book Refe	ference Appendix E Appendix C or Lab te arence Table A1 (p /	3 est results A9)			
		K-factor E LS P-factor	R-factor Blue Book Re Blue Book Reference A -factor Blue Book Refe Blue Book Reference	ference Appendix E Appendix C or Lab te erence Table A1 (p / Table A2 (p A 11) De	3 est results A9) efault 1.3			







	Measured erosio	on rates Symal
	Natural conditions: • Forest • Grassland Human Activity: • Grazing land	(t/ha/yr) 0.005 – 0.05 0.1 – 1.0 0.1 – 5.0
47	 Developed Residential Active Construction sites 	5 - 10 60 - 100+ Centre for Environmental Training Cet



























001									
_									
	Using th	e Blue Book to p	repare an ESCP or	SWMP / Blue Bo	ok Section a	nd Page R	eferences		
		No	Is the area to be	e disturbed >2,50	Om²?	Yes			
	1						-		
	ESCP						SWMP		
S	imple plan to she	ow BMPs				Detai	led plan re	quired	
	No calculations r	equired			_	Calo	ulations rec	uired	
Ba	arrier fencing/no	-go zones							
	Sedimentfen	icing							
	Stabilised acr	cess							
	Stockpile loca	tions					_		
-	Waste stora	sge							
	Notes on	:							
	Maintenan	ce					-		
	Stabilisatio	n	-		-				
Co	opies of Standard	Drawings				Assessi	ment of Cor	straints	
biue bo	lok heterence se	coon 32(p 35)	-		BIL	JE BOOK K	erence Se	ction 3 (p	3.1)
	No. Doord			V	1.0	0	11	M	
-	NO DOES U	te site include w	atemont(npanal	ny or noou prone	(C2 year Mr.	11000 lev	erj rano :	162	-
× .	mains librard Are				Dim	anian land		U	W descend
Blue Bo	ok Reference Fig	sessment			- NP	anan lano	automatica	- C	Jeleo .
Low	on the rest of the rest of the	Hi	et .		-		511 2035 C185	30	
			Run RUSIF and de	etermine Soil Los	Class		-		
			Blue Book Ret	ference Appendi	xA				
			R-factor Blue Boo	k Reference App	endix B				
		K-factor E	Blue Book Referen	ce Appendix C or	r Lab test res	sults			
		LS	-factor Blue Book	Reference Table	A1(p A9)				





















































٦	Table E4 – De	fault soil er	odibility K-factors based on soil	texture class	Symal
	Soil texture	Symbol	Estimated clay content (%)	K-factor ^[1]	
	Sand	S	< 10	0.015	
	Clayey sand	CLS	5-10	0.025	
	Loamy sand	LS	5-10	0.020	
	Sandy loam	SL	10-15	0.030	1
	Fine sandy loam	FSL	10-20	0.035	1
	Sandy clay loam	SCL	15-20	0.025	1
	Loam	L	about 25	0.040	1
	Loam, fine sandy	Lfsy	about 25	0.050	1
	Silt loam	SiL	about 25 and more than 25% sill.	0.055	1
	Sandy clay loam	SCL	20-30	[0.043]	
	Clay loam	CL	30-35	0.030	
	Silty clay loam	SICL	30-35 and more than 25% silt	0.040	
	Fine sandy clay loam	FSCL	30-35	0.025	
	Sandy clay	SC	35-40	0.017	
	Silty clay	SIC	35-40 and more than 25% silt	0.025	
	Light clay	LC	35-40	0.025	
	Light medium clay	LMC	40-45	0.018	
	Medium clay	MC	45-55	0.015	
	Heavy clay	HC	> 50	0.012	nvironmental fraining







	Soil type and Erodibility (K-factor)
	 Soil is 600mm of silty clay loam topsoil Overlying light-medium clay What is the K-factor of the topsoil? 0.040 How would the K-factor change if the subsoil was exposed? 0.018
76	Centre for Environmental Training







- T -																	
lat	de /	A1 LS-	actor	sono	const	udio	n site	s usin	g the	RUSL	Ε						
s	ope	Slope							Slope	length (m)						
	atio	(%)	5	10	20	30	40	50	60	70	80	90	100	150	200	250	300
	00:1	1	0.09	0.11	0.13	0.15	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.23	0.24	0.26	0.27
	50:1	2	0.14	0.18	0.24	0.28	0.31	0.34	0.36	0.39	0.41	0.43	0.44	0.52	0.58	0.64	0.69
3	3.3.1	3	0.17	0.24	0.34	0.41	0.47	0.52	0.57	0.61	0.65	0.69	0.72	0.87	1.00	1.11	1.22
	25:1	4	0.21	0.30	0.44	0.54	0.63	0.71	0.78	0.85	0.91	0.97	1.03	1.26	1.47	1.65	1.82
	20:1	5	0.24	0.36	0.54	0.68	0.80	0.91	1.01	1.10	1.19	1.27	1.35	1.70	2.00	2.28	2.53
1	6.6:1	6	0.28	0.42	0.64	0.81	0.97	1.11	1.24	1.36	1.47	1.58	1.68	2.14	2.54	2.91	3.25
1	2.5.1	8	0.34	0.53	0.83	1.08	1.31	1.51	1.70	1.88	2.05	2.21	2.37	3.07	3.70	4.28	4.82
	10:1	10	0.42	0.68	1.09	1.44	1.75	2.04	2.31	2.56	2.81	3.04	3.27	4.06	4.94	5.75	6.52
	8.3:1	12	0.52	0.85	1.39	1.85	2.27	2.66	3.02	3.37	3.70	4.02	4.33	5.77	7.07	8.28	9.42
	1.12	14	0.62	1.02	1.69	Z.26	Z.79	3.28	3.74	4.18	4.01	0.02	0.42	1.27	8.95	10.52	12.01
	E E.4	10	0.90	1.19	1.90	2.07	2.01	4.51	4.90 E 17	5.00	6.42	7.02	7.50	0.78	10.55	12.51	114.00
	0.0.1	10	0.00	1.33	2.21	3.07	3.02	4.01	0.17	0.01	0.42	1.02	1.39	10.30	12.70		
	51	20	0.89	1.50	2.55	3.47	4.32	5.12	5.88	6.61	1.32	8.01	0.00	11.92	14,84		
	41	20	1.09	1.88	3.23	4,43	0.54	0.59	0.00	0.5/	10.01	10.43	12.05				
	25.4	30	1.61	2.23	4.00	6.92	0.09	1.99	12.15	13 77	11.00	12.74	13.05				
	2.4	-0	1.01	2.03	5.90	8 22	10.42	12.53	14 55	10.11							









						_2	5-T	ac	:10	or							
Tak	de /	A1 LS-f	acior	s on a	constr	udio	n site	s usinį	g the	RUSI	E						
S	ope	Slope							Slope	length (m)						_
	atio	(%)	5	10	20	30	40	50	60	70	80	90	100	150	200	250	300
1	00:1	1	0.09	0.11	0.13	0.15	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.23	0.24	0.26	0.27
	50:1	2	0.14	0.18	0.24	0.28	0.31	0.34	0.36	0.39	0.41	0.43	0.44	0.52	0.58	0.64	0.69
3	3.3.1	3	0.17	0.24		0.41	0.47	0.52	0.57	0.61	0.65	0.69	0.72	0.87	1.00	1.11	1.22
	25:1	4	0.21	0.30	0.44	0.54	0.63	0.71	0.78	0.85	0.91	0.97	1.03	1.26	1.47	1.65	1.82
	20:1	5	0.24	0.36	0.54	0.68	0.80	0.91	1.01	1.10	1.19	1.27	1.35	1.70	2.00	2.28	2.53
	0.0.1	0	0.20	0.42	0.04	0.01	0.97	1.11	1.29	1.30	1.47	1.30	1.00	2.14	2.54	2.91	3.25
1	251	8	0.34	0.53	0.83	1.08	1.31	1.51	1.70	1.88	2.05	2.21	2.37	3.07	3.70	4.28	4.82
	10:1	10	0.42	0.00	1.09	1.44	1./5	2.04	2.31	2.50	2.81	3.04	3.27	4.06	4.94	5.75	6.52
	71-1	12	0.62	1.02	1.39	1.85	2.27	2.00	3.02	3.3/	4.61	5.02	9.33	5.77	7.07	8.28	9.42
	6.9-1	16	0.02	1 19	1.09	2.67	3.31	3.90	4.46	5.00	5.52	6.02	6.51	8 78	0.90	12.81	14.65
	5.5-1	18	0.80	1.35	2.27	3.07	3.82	4.51	5.17	5.81	6.42	7.02	7.59	10.30	12.78	- 10 I	
	54	20	0.80	1.50	2.55	3.47	4 92	5 12	5.88	6.61	7.92	8.01	8.68	11.00	14.84		
	44	25	1.00	1.00	9.22	4.42	5.54	6.50	7.60	8.57	0.51	10.47	11.92		19,04		
	3.3-1	30	1.09	2.23	3.86	5.32	6.69	7.99	9.23	10.43	11.60	12.74	13.85				
	251	40	1.61	2.83	4.98	6.92	8.74	10.48	12.15	13.77							
	and the second se			- WW	- 20	- 24		COLUMN TWO IS NOT	A 100 100								











	Erosion Control Prac	ctice (P)	5 Symal
	Table A2 Pfactors for construction sites (Goldman et al.,	1986) \ \/	
	Surface condition	P-factor	
	Compacted and smooth	1.3	
	Track-walked along the contour ^[6]	1.2	
	Track-walked up and down the slope ^[7]	0.9	
	Punched straw ^[8]	0.9	
	Loose to 0.3 metres depth	0.8	
87	• <u>Default P factor is 1.3</u>	entre for Environmental Training	cet









	Cover Type for g	e (C-factor) rass	Symal
	Grass Cover	C-Factor	
	No cover, soil smooth and compacted	1.0 (High)	
	20 %	0.45 (Med)	
	50 %	0.15 (Low)	
	70 %	0.05	
	100%	< 0.01	_
90		Centre for Environmental Training	cet







































	RUSLE	9 Symal
	• What is the A value if improved practices are adopted including track walking up and down the slope and installation of temporary earth banks at 20 metre spacing?	
103	Centre for Environmental Training	cet







	Soi	l loss clas	ses	5 Symal
Γ	 Seven So RUSLE, E 	il Loss Classe 3 <mark>8 Ref Table</mark> 4	s based on I.2 (p 4-13)	_
	Soil Loss Class	Calculated soil loss (tonnes/ha/yr)	Erosion hazard	
	1	0 to 150	very low	~
	2	151 to 225	low	
	3	226 to 350	low-moderate	
	4	351 to 500	moderate	
	5	501 to 750	high	
	6	751 to 1,500	vary high	
	7	>1,500	extremely high	
106			Centre for Environmental	raining Cet

Soil Loss Class	Calculated soil loss (tonnes/ha/yr)	Erosion hazard
1	0 to 150	very low
2	151 to 225	low
3	226 to 350	low-moderate
4	351 to 500	moderate
5	501 to 750	high
6	751 to 1,500	vary high
7	>1,500	extremely high

		-





	Soil loss class - examples
	 Northern Tablelands/Southern Highlands Stable soils on basait Gentle slopes, 2% Class 1 Blue Mountains/Upper Hunter Erodible and dispersible soils Steeper slopes, 12% Class 3
109	Far North Coast/South Coast Erodible, silty soils Steep slopes, over 25% Class 7 Centre for Environmental Training

	Timing	neasures required?			
Yes	Blue Book Reference Tab	ale 4.3 (p 4.15) and Figure 4.9 (p 4.1	16) No		
· · · · ·					
Include timin	g restrictions or	Batter limi	Batter limitations required? Blue Book Reference Figures 4.7, 4.8 (p 4.11, 4.12)		
plan alternatives	(limit slope lengths)	Blue Book Reference			
	Sedi	ment basin test			
	Blue Book Refer	rence Section 6.3.2(d) (p 6.8)			
<200t no basin required	Run RUSLE, Mul	tiply by total disturbed area	>200t basin(s) require		
		Determin	ne sediment type; D, C or F		
		Blue Book Refere	ence Appendix C or Lab test results		
		Type D if: (% Cl	lay + % Silt/2) x Dispersion % >10		
		Type C if: Not Ty	pe D and <33% finer than 0.02mm		
		Type F if: Not Ty	pe D and >33% finer than 0.02mm		
		Blue Book R	eference Section 6.3.3 (p 6.9)		
			*		
		Prepare SWMP			
Erosion con	trols	Maint	enance notes		
Site office and parki	ng locations	Flocculation of Type	D basins BB Ref Appendix E		
Access limitations BB Re	f Table 4.1 (p 4.2)	Inspection regime and Check Sheets BB Ref Section 8			
Barrier fencing/no	-go zones	Cleaning and repair of	all measures BB Ref Section 8		
Staging of w	orks				
Clean and dirty wate	er diversions	Stabilisati	on requirements		
5 - f		Topsoil handling and repla	cement BB Ref Section 4.3 (p 4.3)		
Sediment co	ntrois	C factors required durin	a works PR Po(Table 71 (n 7 2)		
Sediment rei	ncing farmed and	C-factors required durin	g works BB Ref Table 7.1 (p 7.3)		
Sediment basins (i	r required)	C-ractors required post cons	truction BB Rer Section 7.1.2 (p 7.2		
	200	Stand	and demulance		
waste stor	nBr.	Blue Book Refere	nce Sections 4 5 6 and 7		
		alue Book Refere	rice sections 4, 5, 6 and 7		









	Timing	measures required?	
Vac	Plue Peek Peference Tel	le 4 3 /n 4 1E) and Eigure 4 0 /n 4 16	No
Tes	Blue BOOK Reference Tak	ile 4.5 (p 4.15) and Figure 4.5 (p 4.16	NO
V Include timin	s sostrictions or	Patter limite	tions maying D
nien alternatives (limit clone longths)	Plue Peak Peference F	
pianaitematives	innic slope relignis)	BIDE BOOK RETETETICE P	guies 4.7, 4.8 (p 4.11, 4.12)
	> South	ment basin test	¥
	Blue Book Refer	ance Section 6.3.2(d) (n.6.8)	
<200t no basin required	Run RUSLE Mul	tinly by total disturbed area	>200t basin(s) required
		, , . ,	
		Determine	sediment type: D. C or F
		Blue Book Beferen	e Appendix C or Lab test results
		Type D if: (% Cla	+% Silt/2) x Disnersion % >10
		Type C if: Not Type	D and <33% finer than 0.02mm
		Type F if: Not Type	D and >33% finer than 0.02mm
		Blue Book Ref	erence Section 6.3.3 (p 6.9)
		Prepare SWMP	
Erosion cont	rols	Mainter	ance notes
Site office and parking	ng locations	Flocculation of Type D	basins BB Ref Appendix E
Access limitations BB Ref	Table 4.1 (p 4.2)	Inspection regime and Ch	eck Sheets BB Ref Section 8
Barrier fencing/no	-go zones	Cleaning and repair of a	I measures BB Ref Section 8
Staging of w	orks		
Clean and dirty wate	r diversions	Stabilisation	requirements
		Topsoil handling and replace	ment BB Ref Section 4.3 (p 4.3)
Sediment con	trols	Stabilisation o	f diversion drains
Sediment fer	cing	C-factors required during	works BB Ref Table 7.1 (p 7.3)
Sediment basins (if	required)	C-factors required post constr	action BB Ref Section 7.1.2 (p 7.2)
Stabilised ao	ess		
Waste stora	ge	Standar	d drawings
		Blue Book Reference	e Sections 4, 5, 6 and 7

































2.41 Centre for Environmental Training





























	Applying to a site
	 Install stabilised access Install barrier fencing Install sediment fencing Construct sediment basins Provide temporary access to sediment basins Construct dirty water catch drains and conveyances to sediment basins Construct clean water diversion Strip and stockpile topsoil Undertake any works around watercourses at appropriate times and with appropriate C-factors
133	Centre for Environmental Training Cet



		¥	<u> </u>	_		
	Timing m	easures required?		_		
Yes	Blue Book Reference Table	e 4.3 (p 4.15) and Figure 4.9 (p	4.16) No			
¥				_		
Include timir	g restrictions or	Batter lin	mitations required?			
plan alternatives	(limit slope lengths)	Blue Book Reference	e Figures 4.7, 4.8 (p 4.11, 4.1	2)		
	Sedin	nent basin test				
	Blue Book Refere	ence Section 6.3.2(d) (p 6.8)				
<200t no basin required	Run RUSLE. Multi	ply by total disturbed area	>200t basin(s)	require		
			×			
		Determine sediment type; D, C or F Blue Book Reference Appendix C or Lab test result				
		Type D if: (%	Clay +% Silt/2) x Dispersion	% >10		
		Type Cit: Not	Type D and <33% finer than C	1.02mm		
		Type Fit: Not	Type D and >33% finer than t	.02mm		
		Blue Book	Reference Section 6.3.3 (pt	.9)		
¥		Design Children	¥	_		
Freedow and	and a	Fiepale Swimp				
Erosion con	rois	Elocalation of Type D basins BB Ref Annendix E				
Access limitations BB Pe	(Table 4.1 (n.4.2)	Inspection regime and Check Sheets BB Ref Section 8				
Barrier fencing/n	- 1001C 412 (p 412)	Cleaning and repair of all measures BB Ref Section 8				
Staging of w	orks	ciculing and repair	or an incustores borner secon			
Clean and dirty wate	er diversions	Stabilisa	tion requirements			
		Topsoil handling and reg	lacement BB Ref Section 4.3	(p 4.3)		
Sediment co	ntrols	Stabilisation of diversion drains				
Sediment fe	ncing	C-factors required during works BB Ref Table 7.1 (p 7.3)				
Sediment basins (i	f required)	C-factors required post construction BB Ref Section 7.1.2 (p 7.2				
Stabilised a	cess					
Waste stor	age	Star	ndard drawings			
		Blue Book Refe	rence Sections 4, 5, 6 and 7			
	Include draw	vings and commentary				













Vec	Blue Book Reference Table	a 4 3 (n 4 15) and Eigure 4 9 (n 4 16	No			
Tes	BILLE BOOK RETETETICE TADI	e 4.5 (p 4.15) and Figure 4.5 (p 4.16	NO			
V			¥			
Include timing	restrictions or	Batter limita	tions required?			
plan alternatives (I	imit slope lengths)	Blue Book Reference Fi	gures 4.7, 4.8 (p 4.11, 4.12)			
			¥			
	Sedin	nent basin test				
	Blue Book Refere	nce Section 6.3.2(d) (p 6.8)				
<200t no basin required	Run RUSLE. Multi	ply by total disturbed area	>200t basin(s) required			
		Determine	sediment type; D, C or F			
		Blue Book Reference Ap				
		Type D if: (% Clay	+% Silt/2) x Dispersion % >10			
		Type Cif: Not Type	D and <33% finer than 0.02mm			
		Type F if: Not Type	D and >33% finer than 0.02mm			
		Blue Book Ref	erence Section 6.3.3 (p 6.9)			
- V			*			
	Prepare SWMP					
Erosion contr	ols	Maintenance notes				
Site office and parkin	glocations	Inspection of Type D basins BB Ref Appendix E Inspection regime and Check Sheets BB Ref Section 8				
Access limitations BB Ref	Table 4.1 (p 4.2)					
Barrier fencing/no-	go zones	Cleaning and repair of al	measures BB Ref Section 8			
Staging of wo	rks					
Clean and dirty water	diversions	Stabilisation	requirements			
6 . F		Topsoil handling and replacement BB Ref Section 4.3 (p 4.3)				
Sediment com	rois	Stabilisation o	diversion drains			
Sediment fen	ting	C-factors required during works BB Ref Table 7.1 (p 7.3)				
Sediment basins (if	required)	C-factors required post constru	action BB Ref Section 7.1.2 (p 7.2)			
Stabilised acc	ess					
Waste stora	ze	Standar	d drawings			
		Blue Book Reference	e Sections 4, 5, 6 and 7			

_			
_			













Yes	Blue Book Reference Table	4.3 (p 4.15) and Figure 4.9 (p 4.16	5) No			
Include timing r	estrictions or	Batter limita	ations required?			
plan alternatives (lin	nit slope lengths)	Blue Book Reference F	igures 4.7, 4.8 (p 4.11, 4.12)			
	Sedime	ent basin test				
	Blue Book Referen	ce Section 6.3.2(d) (p 6.8)				
<200t no basin required	Run RUSLE. Multipl	ly by total disturbed area	>200t basin(s) required			
			¥			
		Determine Rive Reak Referen	e sediment type; D, C or F			
		Tune Diff (% Cla	w + % Silt/2) x Disnersion % >10			
		Type C if: Not Type	e D and <33% finer than 0.02mm			
		Type F if: Not Typ	e D and >33% finer than 0.02mm			
		Blue Book Ret	ference Section 6.3.3 (p 6.9)			
	Prepare SWMP					
Erosion contro	ls	Maintenance notes				
Site office and parking	locations	Flocculation of Type D basins BB Ref Appendix E				
Access limitations BB Ref T	able 4.1 (p 4.2)	Inspection regime and Check Sheets BB Ref Section 8				
Barrier fencing/no-g	o zones	Cleaning and repair of all measures BB Ref Section 8				
Clean and dirty water of	liversions	Stabilization	n requirements			
,		Topsoil bandling and replace	ement BB Ref Section 4.3 (n 4.3)			
Sediment contr	ols	Stabilisation o	of diversion drains			
Sediment fenci	ng	C-factors required during	works BB Ref Table 7.1 (p 7.3)			
Sediment basins (if re	equired)	C-factors required post constr	ruction BB Ref Section 7.1.2 (p 7.2)			
Stabilised acce	ss					
Waste storage	2	Standar	rd drawings			
		Blue Book Referen	ce Sections 4, 5, 6 and 7			
	tendender den ste					
	include drawin	igs and commentary				















	Permanent basins
148	 Designed by experienced professionals, having regard to the volumes of runoff, quantity and types of sediment expected Size includes a sediment settling and a sediment storage zone, mark with pegs Prioritise public safety Provide length/width ratio > 3:1 – use baffles if necessary Ensure inlet/outlet structures are stabilised against erosion

















		Des	ign	Ra	ain	fall	de	ptł	ı		5 Symal
	Table 6.3a 75th,	80th, 85th	, 90th and	d 95th-per	centile 2 (and 5-day	rainfall d	epths for 5	59 sites in	New So	uth Wales
	Location	75 th %ile	80° %ile	85° %ile	90° %ile	96° %ile	75° %ile	AT Sile	89 %ile	90° %ile	95° %ile
	North Coast										
	Units Hattodu Dorrigo Grafiton Liamore Port Macquarie Taree Tweed Histads Central CasetHunter Cessnock Conford (Naran) Nelson Bay Newcasife Scone Wayang Sydney/Else Mountain	18.3 22.1 14.0 16.3 18.0 15.0 23.4 13.4 16.7 13.7 12.4 16.8 16.8 16.8	23.6 27.9 17.8 20.6 22.9 19.0 29.5 16.5 21.3 22.3 17.6 15.3 20.8	31.8 36.4 22.9 26.4 29.9 37.6 21.1 28.4 28.9 23.0 19.3 26.9	44.4 49.0 31.2 36.3 41.4 35.5 50.8 28.5 39.8 39.4 31.8 25.0 37.2	708 77.0 48.9 57.0 65.3 56.4 78.7 45.0 63.0 58.9 48.1 37.8 58.8	33.6 40.3 23.3 28.6 32.0 25.0 39.6 20.3 27.9 30.4 24.4 19.0 26.8	42.7 49.3 29.0 35.3 40.1 31.7 48.5 24.4 35.0 38.1 30.5 22.6 33.8	55.8 63.7 37.2 45.2 51.8 45.2 62.5 31.0 45.8 48.3 38.9 27.7 43.2	74.9 84.8 50.1 60.2 70.0 55.9 82.5 42.8 62.2 63.5 51.8 35.9 55.9 55.9	117.6 132.0 75.4 96.3 106.2 90.6 126.8 63.0 99.3 91.5 76.7 51.3 90.1
155							Cen	tre for E	nvironme	ental Trai	ning C6







Table F2 (adapted	. Runoff from USL	[:] coeffici DA, 1996	ents (Cv) 5)	for vol	umetric o	lata in	disturbe	d catchmen
Soil			Design I	Rainfall de	epth (mm)			Runoff
Group	<20	21-25	26-30	31-40	41-50	51-60	61-80	potential
A	0.01	0.05	0.08	0.15	0.22	0.28	0.37	very low
В	0.10	0.19	0.25	0.34	0.42	0.48	0.57	low to moderat
С	0.25	0.35	0.42	0.51	0.58	0.63	0.70	moderate to hig
D	0.39	0.50	0.56	0.64	0.69	0.74	0.79	high



































	"Co	effi	cier	nt o	f Di	isch	narg	e"	9 5
Ŧ									
	Table F3 R	unoff coe	fficients (C	10) for peo	ık flow da	ta in distur	bed catchr	nents	
	Soil Hydrologic		Rainfall intensity (mm) in the design storm				Runoff		
	Group	<20	21-40	41-60	61-80	81-100	>100	potential	
	Α	0.20	0.37	0.55	0.64	0.68	0.75	very low	
	В	0.46	0.58	0.70	0.75	0.78	0.82	low to moderate	
	С	0.69	(0.76)	0.83	0.85	0.86	0.88	moderate to high	
	D	0.80	0.86	0.89	0.90	0.90	0.90	high	



































