

4/91

JR/BM

WATER EIS OKANOGAN CO. PUBICSED SOIL SURVEY

Standard LSs
Developed by Jay Kohne

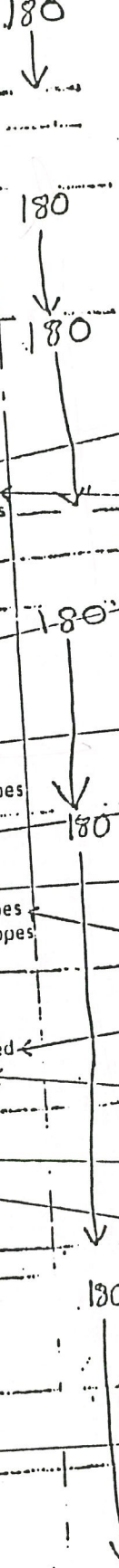
L (ft)
180
↓

E.I.
R-FACTOR
25 39

LS	R	LS SYMBOL
0.5	0.3	0.55 1
1.2	5.0	1.19 2
2.1	7.9	1.91 3
4	2.1	0.34 5
7	1.1	0.34 6
1.3	2.0	0.55 7
2.8	4.3	1.19 8
4.4	6.9	1.91 9
6.2	9.7	2.70 10
0.2	15.9	4.41 11
0.7	1.1	0.55 12
1.5	2.3	1.19 13
2.7	3.7	1.91 14
3.4	5.3	2.70 15
0.8	1.3	0.89 16
1.8	2.8	1.91 17
2.1	3.3	2.70 18
0.6	0.9	1.91 19
1.2	1.9	3.87 20
13.0	20.4	3.48 21
8.7	13.6	3.48 22
0.4	1.0	0.34 23
0.6	1.0	0.34 24
1.5	2.3	1.19 25
2	1.5	2.33 26
2	1.5	0.89 27
5	7.9	1.91 28
5	1.2	2.70 29
3.2	5.0	1.91 30
7.3	11.5	4.41 31
7.3	11.5	4.41 32
2.3	3.6	1.91 33
5.3	8.3	4.41 34
2.5	3.9	3.48 35
1.4	2.2	1.91 36
3.3	5.2	4.41 37
7.2	11.2	3.87 38
2.7	4.3	0.89 39
5.9	9.2	1.91 40
8.3	13.0	2.70 41
6.4	10.0	3.19 42
3.8	6.0	1.91 43
8.8	13.8	4.41 44
3.2	5.0	1.19 45
6.2	9.7	2.33 46
11.8	18.3	1.91 47
3.2	5.0	1.91 48
7.3	11.5	4.41 49
7.3	11.5	4.41 50
0.7	1.1	0.34 51
0.7	1.1	1.45 52
2.3	3.6	1.45 53
4.3	6.7	2.70 54
4.3	9.7	3.87 55
3.7	0.89	0.89 56
9.7	2.33	2.33 57
16.1	3.87	3.87 58
3.2	5.0	0.89 59
6.8	10.7	1.91 60
9.7	15.1	2.70 61
12	19.5	3.48 62

- Aeneas fine sandy loam, 0 to 3 percent slopes
- Aeneas fine sandy loam, 3 to 8 percent slopes
- Aeneas fine sandy loam, 8 to 15 percent slopes
- Badland
- Boesel fine sandy loam
- Boesel silt loam, heavy subsoil variant
- Cashmere fine sandy loam, 0 to 3 percent slopes
- Cashmere fine sandy loam, 3 to 8 percent slopes
- Cashmere fine sandy loam, 8 to 15 percent slopes
- Cashmere fine sandy loam, 15 to 25 percent slopes
- Cashmere fine sandy loam, 25 to 65 percent slopes
- Cashmont sandy loam, 0 to 3 percent slopes
- Cashmont sandy loam, 3 to 8 percent slopes
- Cashmont sandy loam, 8 to 15 percent slopes
- Cashmont sandy loam, 15 to 25 percent slopes
- Cashmont gravelly sandy loam, 0 to 8 percent slopes
- Cashmont gravelly sandy loam, 8 to 15 percent slopes
- Cashmont gravelly sandy loam, 3 to 25 percent slopes
- Cashmont very gravelly sandy loam, 0 to 25 percent slopes
- Cashmont extremely stony sandy loam, 0 to 25 percent slopes
- Cashmont extremely stony sandy loam, 25 to 45 percent slopes
- Cashmont extremely stony sandy loam, 15 to 45 percent slopes
- Chesaw gravelly sandy loam, 15 to 45 percent slopes
- Chesaw extremely stony sandy loam, 15 to 45 percent slopes
- Colville silt loam
- Colville silt loam, moderately well sorted
- Conconully gravelly sandy loam, 3 to 8 percent slopes
- Conconully gravelly sandy loam, 8 to 25 percent slopes
- Conconully loam, 0 to 8 percent slopes
- Conconully loam, 8 to 15 percent slopes
- Conconully loam, 15 to 25 percent slopes
- Conconully extremely stony loam, 0 to 25 percent slopes
- Conconully extremely stony loam, 25 to 65 percent slopes
- Conconully extremely stony loam, 25 to 65 percent north slopes
- Dinkelman sandy loam, 0 to 25 percent slopes
- Dinkelman sandy loam, 25 to 65 percent slopes
- Dinkelman gravelly sandy loam, 3 to 25 percent slopes
- Dinkelman extremely stony sandy loam, 0 to 25 percent slopes
- Dinkelman extremely stony sandy loam, 25 to 65 percent slopes
- Dinkelman extremely stony sandy loam, 25 to 65 percent slopes
- Disautel silt loam, 0 to 8 percent slopes
- Disautel silt loam, 8 to 15 percent slopes
- Disautel silt loam, 15 to 25 percent slopes
- Disautel very cobbly silt loam, 8 to 45 percent slopes, eroded
- Disautel extremely stony silt loam, 0 to 25 percent slopes
- Disautel extremely stony silt loam, 25 to 65 percent slopes
- Disautel extremely stony silt loam, 25 to 65 percent slopes
- Donovan loam, 3 to 8 percent slopes
- Donovan loam, 8 to 25 percent slopes
- Donovan loam, 25 to 65 percent slopes
- Donovan extremely stony loam, 0 to 25 percent slopes
- Donovan extremely stony loam, 25 to 65 percent slopes
- Donovan extremely stony loam, 25 to 65 percent slopes
- Donovan-Rock outcrop complex, 25 to 65 percent slopes
- Emdent loam
- Ewall sand, 0 to 15 percent slopes
- Ewall loamy fine sand, 0 to 15 percent slopes
- Ewall loamy fine sand, 15 to 25 percent slopes
- Ewall loamy fine sand, 25 to 45 percent slopes
- Haley fine sandy loam, 0 to 8 percent slopes
- Haley fine sandy loam, 8 to 25 percent slopes
- Haley fine sandy loam, 25 to 45 percent slopes
- Havillah silt loam, 0 to 8 percent slopes
- Havillah silt loam, 8 to 15 percent slopes
- Havillah silt loam, 15 to 25 percent slopes
- Havillah silt loam, 15 to 45 percent slopes, eroded

SLOPE%	LS	25	39
3-15	1.57	1.0	1.5
15-25	2.70	1.7	2.6
0-15	1.38	0.4	0.7
15-25	2.70	0.8	1.3
8-15	1.85	2.3	3.6
15-25	2.70	3.4	5.3
0-15	1.38	2.3	3.6
15-25	2.70	4.5	7.0
0-15	1.38	1.7	2.6
15-25	2.70	3.2	5.1
3-15	1.57	1.2	1.8
15-25	2.70	2.0	3.2
0-15	1.38	1.0	1.6
15-25	2.70	2.0	3.2
8-15	1.85	3.7	5.8
15-45	3.48	7.0	10.9
0-15	1.38	2.8	4.3
15-25	2.70	5.4	8.4
8-15	1.85	4.9	7.7
15-25	2.70	7.2	11.2
0-15	1.38	2.3	3.6
15-25	2.70	4.5	7.0
8-15	1.85	4.9	7.7
15-25	2.70	7.2	11.2



SOIL LEGEND

L (ft)

E.I.			SYMBOL	NAME	L (ft)	E.I.			
TOR	39	LS				SLOPE %	LS	25	39
8.2	2.7	3.18	63	Havilah extremely stony silt loam, 15 to 45 percent slopes	180	8-15	1.85	5.7	8.9
3.4	5.3	1.57	64	Hodgson silt loam, 3 to 15 percent slopes		15-20	2.47	7.6	11.9
6.6	10.2	2.13	65	Hum silt loam, 8 to 20 percent slopes	180	8-15	1.85	4.0	6.2
1.9	3.0	0.89	66	Hunters silt loam, 0 to 8 percent slopes		15-25	2.70	5.8	9.1
4.0	6.2	1.85	67	Hunters silt loam, 8 to 15 percent slopes	180	8-15	1.85	4.6	7.2
5.0	7.8	2.33	68	Hunters silt loam, 8 to 25 percent slopes, eroded		15-25	2.70	6.7	10.5
8.3	13.0	3.87	69	Hunters silt loam, 25 to 45 percent slopes	180	8-15	1.85	4.6	7.2
5.8	9.1	2.33	70	Karamin sandy loam, 8 to 25 percent slopes		15-25	2.70	6.7	10.5
2.9	4.5	1.45	71	Kaifar sandy loam, 3 to 15 percent slopes	180	0-15	1.38	1.7	2.7
5.6	8.7	2.80	72	Kartar sandy loam, 15 to 25 percent slopes		15-25	2.70	3.4	5.3
7.0	10.9	3.48	73	Kartar sandy loam, 15 to 45 percent north slopes	180	8-15	1.85	4.9	7.7
2.4	3.7	1.91	74	Kartar extremely stony sandy loam, 0 to 25 percent slopes		15-25	2.70	4.7	7.4
5.5	8.6	4.41	75	Kartar extremely stony sandy loam, 25 to 45 percent slopes	180	8-15	1.85	4.9	7.7
2.1	3.2	0.8	76	Koepke silt loam, 0 to 8 percent slopes		15-25	2.70	4.7	7.4
4.9	7.6	2.11	77	Koepke silt loam, 8 to 15 percent slopes	180	3-15	1.57	2.7	4.3
6.5	10.1	2.80	78	Koepke silt loam, 15 to 25 percent slopes		15-25	2.70	4.7	7.4
8.9	14.0	3.87	79	Koepke silt loam, 25 to 45 percent slopes	180	8-15	1.85	4.9	7.7
3.7	5.8	2.13	80	Koepke gravelly silt loam, 3 to 25 percent slopes		15-25	2.70	7.2	11.2
2.4	3.7	0.89	81	Leader line sandy loam, 0 to 8 percent slopes	180	0-15	1.38	4.3	6.6
6.2	9.7	2.33	82	Leader line sandy loam, 8 to 25 percent slopes		15-45	3.48	10.7	16.7
10.3	16.1	3.87	83	Leader line sandy loam, 25 to 45 percent slopes	180	0-15	1.38	2.8	4.3
0.7	1.1	0.31	84	Leavenworth silt loam		15-25	2.70	5.4	8.4
1.1	1.7	3.18	85	* Lithic Xerochrepts (Cashmore) complex, 15 to 45 percent slopes	180	3-15	1.57	2.6	4.1
5.8	9.0	3.48	86	Lithic Xerochrepts (Concunully) complex, 15 to 45 percent slopes		15-25	2.70	4.5	7.0
4.9	7.7	3.18	87	Lithic Xerochrepts (Donovan) Rock outcrop complex, 15 to 45 percent slopes	180	8-15	1.85	1.8	2.9
1.6	2.6	0.89	88	Lithic Xerochrepts (Lump) complex, 0 to 45 percent slopes		15-25	2.70	2.7	4.2
6.8	3.18	3.18	89	Lithic Xerochrepts (Kailad) complex, 15 to 45 percent slopes	180	8-15	1.85	1.8	2.9
4.8	3.48	3.48	90	Lithic Xerochrepts (Molson) complex, 15 to 45 percent slopes		15-25	2.70	3.2	5.1
11.5	3.48	3.48	91	Lithic Xerochrepts (Molson) complex, 15 to 45 percent slopes	180	8-15	1.85	1.8	2.9
4.3	6.8	3.18	92	Lithic Xerochrepts (Nevine) complex, 15 to 45 percent slopes		15-25	2.70	2.7	4.2
1.7	2.7	3.48	93	Lithic Xerochrepts (Newbon) complex, 15 to 45 percent slopes	180	8-15	1.85	6.6	10.3
20.9	32.6	3.48	94	Lithic Xerochrepts (Nightingale) complex, 15 to 45 percent slopes		15-25	2.70	2.7	4.2
5.5	8.6	4.41	95	Lithic Xerochrepts (Republic) complex, 15 to 45 percent slopes	180	8-15	1.85	6.6	10.3
0.21	0.21	0.21	96	Lithic Xerochrepts (Vallan) complex, 15 to 45 percent slopes		15-25	2.70	2.7	4.2
3.8	6.0	1.91	97	Marsh	180	8-15	1.85	6.6	10.3
5.6	8.7	3.34	98	Merkel sandy loam, 0 to 25 percent slopes		15-25	2.70	5.4	8.4
7.3	11.5	4.41	99	Merkel extremely stony sandy loam, 3 to 25 percent slopes	180	3-15	1.57	2.6	4.1
4.7	15.1	3.18	100	Merkel extremely stony sandy loam, 25 to 65 percent slopes		15-25	2.70	4.5	7.0
5.1	8.0	1.10	101	Mires gravelly sandy loam, 25 to 45 percent slopes	180	8-15	1.85	1.8	2.9
3.1	1.9	0.89	102	Mires gravelly sandy loam, 15 to 65 percent slopes		15-25	2.70	6.7	10.5
8.3	13.0	5.34	103	Mires loam, 0 to 8 percent slopes	180	3-15	1.57	1.9	2.9
1.6	2.6	0.89	104	Mires extremely stony sandy loam, 0 to 8 percent slopes		15-25	2.70	2.7	4.2
3.4	5.3	1.85	105	Molson silt loam, 3 to 25 percent slopes	180	8-15	1.85	1.8	2.9
4.8	7.6	2.62	106	Molson silt loam, 8 to 15 percent slopes		15-25	2.70	3.2	5.1
7.2	11.2	3.87	107	Molson silt loam, 15 to 25 percent slopes	180	8-15	1.85	1.8	2.9
2.6	4.0	2.13	108	Molson silt loam, 25 to 45 percent slopes		15-25	2.70	2.7	4.2
2.3	3.6	2.33	109	Molson gravelly silt loam, 3 to 25 percent slopes	180	8-15	1.85	1.8	2.9
3.9	6.0	3.87	110	Molson gravelly silt loam, 3 to 25 percent slopes		15-25	2.70	2.7	4.2
4.3	6.7	1.19	111	Molson extremely stony silt loam, 8 to 25 percent slopes	180	8-15	1.85	6.6	10.3
6.8	10.7	1.91	112	Molson extremely stony silt loam, 25 to 45 percent slopes		15-25	2.70	9.7	15.1
9.7	15.1	2.70	113	Nespelem silt loam, 3 to 8 percent slopes	180	8-15	1.85	9.9	15.5
8.3	13.0	2.33	114	Nespelem silt loam, 8 to 15 percent slopes		15-25	2.70	14.5	22.6
13.9	21.6	3.87	115	Nespelem silt loam, 15 to 25 percent slopes	180	8-15	1.85	9.9	15.5
1.2	1.8	0.55	116	Nespelem silt loam, 25 to 45 percent slopes, eroded		15-25	2.70	14.5	22.6
19.5	2.33	2.33	117	Nespelem silt loam, 25 to 45 percent slopes	180	0-15	1.38	4.1	6.5
32.4	3.87	3.87	118	Nespelem silt loam, 25 to 45 percent slopes		15-25	2.70	8.1	12.6
8.9	1.91	1.91	119	Nevine silt loam, 8 to 25 percent slopes	180	8-15	1.85	9.9	15.5
20.6	11.41	11.41	120	Nevine silt loam, 8 to 25 percent slopes		15-25	2.70	8.1	12.6
3.7	5.7	1.19	121	Nevine extremely stony silt loam, 0 to 25 percent slopes	180	8-15	1.85	9.9	15.5
5.9	9.2	1.91	122	Nevine extremely stony silt loam, 25 to 65 percent slopes		15-25	2.70	8.1	12.6
8.3	13.0	2.70	123	Newbon loam, 3 to 8 percent slopes	180	8-15	1.85	9.9	15.5
1.8	2.8	0.89	124	Newbon loam, 3 to 8 percent slopes		15-25	2.70	8.1	12.6
			125	Newbon loam, 8 to 15 percent slopes					
				Newbon loam, 15 to 25 percent slopes					
				Newbon gravelly loam, 0 to 8 percent slopes					

INDEX CALCULATED FOR CIRCLED SOIL

I.
FACTOR

NAME

L (Ft)
180

E. I
R-FAC

FACTOR			LS	SYMBOL	NAME	SLOPE %	LS	2.5	3
4.7	7.3	2.33	126		Newbon gravelly loam, 8 to 25 percent slopes	8-15	1.85	3.7	3
7.7	12.1	3.87	127		Newbon gravelly loam, 25 to 45 percent slopes	15-25	2.70	5.4	8
7.7	12.1	3.87	128		Newbon gravelly loam, 25 to 45 percent north slopes	0-15	1.38	1.7	2
3.7	5.7	4.41	129		Newbon very gravelly loam, 25 to 65 percent slopes, eroded	15-45	3.48	4.3	6
3.6	5.6	2.87	130		Newbon extremely stony loam, 0 to 45 percent slopes	8-15	1.85	2.3	
4.8	7.4	1.91	131		Nighthawk loam, 3 to 8 percent slopes	15-25	2.70	3.4	
7.6	11.9	1.91	132		Nighthawk loam, 8 to 15 percent slopes				
10.8	16.8	2.10	133		Nighthawk loam, 15 to 25 percent slopes				
2.9	4.5	2.33	134		Nighthawk extremely stony loam, 8 to 25 percent slopes				
5.5	8.6	4.41	135		Nighthawk extremely stony loam, 25 to 65 percent slopes				
5.5	8.6	4.41	136		Nighthawk extremely stony loam, 25 to 65 percent slopes, eroded				
0.6	1.0	0.34	137		Okanogan loam	8-15	1.85	4.6	
1.0	1.6	0.34	138		Okanogan loam, gravelly substratum	15-25	2.70	6.7	
2.2	3.4	0.55	139		Owhi fine sandy loam, 0 to 3 percent slopes	0-15	1.38	3.4	
4.8	7.4	1.91	140		Owhi fine sandy loam, 3 to 8 percent slopes	15-25	2.70	6.7	
2.2	3.5	0.89	141		Owhi gravelly fine sandy loam, 0 to 8 percent slopes				
5.8	9.1	2.33	142		Owhi gravelly fine sandy loam, 8 to 25 percent slopes				
4.8	7.4	1.91	143		Owhi extremely stony fine sandy loam, 0 to 25 percent slopes				
9.7	15.1	3.87	144		Owhi extremely stony fine sandy loam, 25 to 45 percent slopes				
2.2	3.4	0.55	145		Pogue fine sandy loam, 0 to 3 percent slopes	8-15	1.85	4.6	
4.8	7.4	1.91	146		Pogue fine sandy loam, 3 to 8 percent slopes	15-25	2.70	6.7	
7.6	11.9	1.91	147		Pogue fine sandy loam, 8 to 15 percent slopes				
10.8	16.8	2.10	148		Pogue fine sandy loam, 15 to 25 percent slopes				
2.2	3.5	0.89	149		Pogue gravelly fine sandy loam, 0 to 8 percent slopes				
5.8	9.1	2.33	150		Pogue gravelly fine sandy loam, 8 to 25 percent slopes	0-15	1.38	2.6	
7.6	11.9	1.91	151		Pogue extremely stony fine sandy loam, 0 to 25 percent slopes	15-25	2.70	5.1	
9.7	15.1	3.87	152		Pogue extremely stony fine sandy loam, 25 to 65 percent slopes				
1.2	1.9	1.45	153		Republic gravelly sandy loam, 3 to 15 percent slopes				
2.3	3.6	2.10	154		Republic gravelly sandy loam, 15 to 25 percent slopes				
1.7	2.7	3.49	155		Republic extremely stony sandy loam, 15 to 45 percent slopes				
1.4	2.2	0.89	156		Republic loam, 0 to 8 percent slopes				
3.1	4.8	1.91	157		Republic loam, 8 to 15 percent slopes				
4.3	6.7	2.70	158		Republic loam, 15 to 25 percent slopes				
6.2	9.7	3.87	159		Republic loam, 25 to 45 percent slopes				
1.8	2.8	0.89	160		Republic loam, gravelly substratum, 0 to 8 percent slopes				
			161		Riverwash				
			162		Rock outcrop				
0.9	1.4	0.89	163		Skaha loamy sand, 0 to 8 percent slopes	8-15	1.85	11.1	
1.1	1.7	1.45	164		Skaha gravelly loamy sand, 0 to 15 percent slopes	15-25	2.70	16.2	
2.0	3.2	2.10	165		Skaha gravelly loamy sand, 15 to 25 percent slopes				
3.3	5.2	4.41	166		Skaha gravelly loamy sand, 25 to 65 percent slopes				
3.3	5.1	0.55	167		Springdale sandy loam, 0 to 3 percent slopes				
7.1	11.1	1.91	168		Springdale sandy loam, 3 to 8 percent slopes	0-15	1.38	3.4	
14.0	21.8	2.33	169		Springdale sandy loam, 8 to 25 percent slopes	15-25	2.70	6.7	
4.8	7.4	1.91	170		Springdale extremely stony sandy loam, 0 to 25 percent slopes				
9.7	15.1	3.87	171		Springdale extremely stony sandy loam, 25 to 45 percent slopes				
0.7	1.1	0.34	172		Synarep silt loam				
1.2	1.8	0.55	173		Tonasket silt loam, 0 to 3 percent slopes				
2.6	4.0	1.91	174		Tonasket silt loam, 3 to 8 percent slopes	0-15	1.38	1.9	
4.1	6.4	1.91	175		Tonasket silt loam, 8 to 15 percent slopes				
5.8	9.1	2.70	176		Tonasket silt loam, 15 to 25 percent slopes	15-45	3.48	4.9	
8.3	13.0	3.87	177		Tonasket silt loam, 25 to 45 percent slopes				
4.0	6.3	2.87	178		Tonasket extremely stony silt loam, 0 to 45 percent slopes				
3.9	6.1	1.57	179		Wadams sandy loam, 3 to 15 percent slopes	0-15	1.38	1.7	
2.4	3.7	1.91	180		Wadams extremely stony sandy loam, 0 to 25 percent slopes	15-25	2.70	3.4	
5.5	8.6	4.41	181		Wadams extremely stony sandy loam, 25 to 65 percent slopes				
1.1	1.7	1.45	182		Winthrop gravelly loamy sand, 0 to 15 percent slopes				
		2.87	183		Winthrop extremely stony loamy sand, 0 to 45 percent slopes				
			184		Xerolluvents, wet				