

Appendix D – Landform Hazard Rating Table: Form A-4

Chehalis Sloughs WAU

Landforms Including Road Related Landslides													
Landforms	Landform 1 (Inner Gorges)	Landform 2 (Bedrock Hollows)	Landform 4 (River Terrace Margin)	Landform 7 (Active Scarps-DSLS)	Landform 8 (Non-rule Identified DSLS Toes)	Landform 9 (Meander Bends/Overbank dep/Surge Plain)	Landform 10 (Non-rule Identified Inner Gorges)	Landform 11 (Steep Gradient Hillslopes 61-99%)	Landform 12 (Moderate Gradient Hillslopes 41-60%)	Landform 14 (Flats 0-10%)	Landform 15 (Ridge Tops and Noses)	Landform 16 (Low Gradient Hillslopes 11-40%)	Total WAU
Years	45	45	45	45	45	45	45	45	45	45	45	45	45
Landform Area (acres)	265	113	521	204	24	920	557	363	1823	11882	389	5455	22516
Number of Landslides (excluding deep-seated landslides)	81	40	22	53	3	37	130	71	141	0	0	70	648
Landslide Frequency Rate (Number of slides/Landform Area/Years) x 10 ⁶	6792.45	7866.27	938.4	5773.4	2777.8	893.7	5186.5	4346.5	1718.8	0	0	285.2	639.5
Number of 'Delivering' Landslides	78	36	20	29	3	37	117	63	119	0	0	56	558
Area of 'Delivering' Landslides (acres)	17.17	10.81	6.14	8.7	0.65	11.31	32.54	24.82	32.52	0	0	13.79	158.45
Landslide Area Rate for Delivery (Delivering Landslide Area/Landform Area/Years) x 10 ⁶	1439.83	2125.86	261.9	947.7	601.9	273.2	1298.2	1519.4	396.4	0.0	0.0	56.2	156.4
Overall Rating	Very High	Very High	High	Very High	Very High	High	Very High	Very High	Very High	Low	Low	Low	High

Chehalis Sloughs WAU - Form A-4 continued

Landforms Without Road Related Landslides													
Landforms	Landform 1 (Inner Gorges)	Landform 2 (Bedrock Hollows)	Landform 4 (River Terrace Margin)	Landform 7 (Active Scarps-DSLS)	Landform 8 (Non-rule id'd DSLS Toes)	Landform 9 (Meander Bends/Over levee dep/Surge Plain)	Landform 10 (Non-rule id'd Inner Gorges)	Landform 11 (Steep Gradient Hillslopes 61-999%)	Landform 12 (Moderate Gradient Hillslopes 41-60%)	Landform 14 (Flats 0-10%)	Landform 15 (Ridgetops and Noses)	Landform 16 (Low Gradient Hillslopes 11-40%)	Total WAU
Years	45	45	45	45	45	45	45	45	45	45	45	45	45
Landform Area (acres)	265	113	521	204	24	920	557	363	1823	11882	389	5455	22516
Number of Landslides (excluding deep-seated landslides)	72	36	12	49	3	33	121	67	128	0	0	60	581
Landslide Frequency Rate (Number of slides/Landform Area/Years) x 10 ⁶	6037.74	7079.65	511.8	5337.7	2777.8	797.1	4827.4	4101.6	1560.3	0.0	0.0	244.4	573.4
Number of 'Delivering' Landslides	70	33	11	28	3	33	109	59	107	0	0	50	503
Area of 'Delivering' Landslides (acres)	13.59	10.59	4.2	8.05	0.65	9.03	29.48	14.85	26.95	0	0	12.27	129.66
Landslide Area Rate for Delivery (Delivering Landslide Area/Landform Area/Years) x 10 ⁶	1139.62	2082.60	179.1	876.9	601.9	218.1	1176.1	909.1	328.5	0.0	0.0	50.0	128.0
Overall Rating	Very High	Very High	High	Very High	Very High	High	Very High	Very High	Very High	Low	Low	Low	Moderate