Lower Wishkah WAU

Appendix B - Form A-3: Mass Wasting Summary Table

This table summarizes the total number of all landslides within each landform based on each landuse activity.

Mass Wasting Summary: Totals

Activity	Shallow Landslides	Debris Flows	Debris Avalanches/ Slides	Deep-Seated Landslides	Earthflows	Total
1 = clearcut (timber 0-5 yrs)	68	18	4	21	2	113
2 = young stands (timber 5-15 yrs)	205	15	12	22	3	257
3 = submature timber (15-50 yrs)	507	23	20	62	3	615
4 = mature timber (>50 years)	81		7	13		101
5 = road	24	3	4	1		32
6 = partial cut						0
7 = yarding						0
8 = alpine						0
9 = other-e.g., streams, housing, agric.	11	1	8	5	1	26
Totals	896	60	55	124	9	1144

Mass Wasting Summary: Landform 1 - Inner Gorges (>70%)						
Activity	**Shallow Landslides**	**Debris Flows**	**Debris Avalanches/ Slides**	**Deep-Seated Landslides**	**Earthflows**	**Total**
1 = clearcut (timber 0-5 yrs)	4	1				5
2 = young stands (timber 5-15 yrs)	6			1		7
3 = submature timber (15-50 yrs)	25	5		4		34
4 = mature timber (>50 years)	2			1		3
5 = road				1		1
6 = partial cut						0
7 = yarding						0
8 = alpine						0
9 = other-e.g., streams, housing, agric.			1			1
Landform Totals	37	6	1	7	0	51

Mass Wasting Summary: Landform 2 - Bedrock Hollows (>70%)						
Activity	**Shallow Landslides**	**Debris Flows**	**Debris Avalanches/ Slides**	**Deep-Seated Landslides**	**Earthflows**	**Total**
1 = clearcut (timber 0-5 yrs)	7		1	3	1	12
2 = young stands (timber 5-15 yrs)	3	2	2	2		9
3 = submature timber (15-50 yrs)	30	2	4	10		46
4 = mature timber (>50 years)	6			3		9
5 = road	1					1
6 = partial cut						0
7 = yarding						0
8 = alpine						0
9 = other-e.g., streams, housing, agric.				1		1
Landform Totals	47	4	7	19	1	78

Mass Wasting Summary: Landform 7 - Active Scarps of Deep-Seated Landslides						
Activity	Shallow Landslides	Debris Flows	Debris Avalanches/ Slides	Deep-Seated Landslides	Earthflows	Total
1 = clearcut (timber 0-5 yrs)	8	1	1			10
2 = young stands (timber 5-15 yrs)	23	2	2			27
3 = submature timber (15-50 yrs)	57		1			58
4 = mature timber (>50 years)	10		1			11
5 = road	3	1				4
6 = partial cut						0
7 = yarding						0
8 = alpine						0
9 = other-e.g., streams, housing, agric.			1			1
Landform Totals	101	4	6	0	0	111

Mass Wasting Summary: Landform 8 - Deep-Seated Landslide Toes (>65%)						
Activity	Shallow Landslides	Debris Flows	Debris Avalanches/ Slides	Deep-Seated Landslides	Earthflows	Total
1 = clearcut (timber 0-5 yrs)	1	1				2
2 = young stands (timber 5-15 yrs)	1					1
3 = submature timber (15-50 yrs)	2					2
4 = mature timber (>50 years)	2					2
5 = road						0
6 = partial cut						0
7 = yarding						0
8 = alpine						0
9 = other-e.g., streams, housing, agric.						0
Landform Totals	6	1	0	0	0	7

Mass Wasting Summary: Landform 9 - Outside Meander Bends (>11%)						
Activity	Shallow Landslides	Debris Flows	Debris Avalanches/ Slides	Deep-Seated Landslides	Earthflows	Total
1 = clearcut (timber 0-5 yrs)	2					2
2 = young stands (timber 5-15 yrs)	16		5	1		22
3 = submature timber (15-50 yrs)	26		3	8		37
4 = mature timber (>50 years)	1		1			2
5 = road						0
6 = partial cut						0
7 = yarding						0
8 = alpine						0
9 = other-e.g., streams, housing, agric.	1		2			3
Landform Totals	46	0	11	9	0	66

Mass Wasting Summary: Landform 10 - Non-Rule Identified Inner Gorges (35-69%)						
Activity	Shallow Landslides	Debris Flows	Debris Avalanches/ Slides	Deep-Seated Landslides	Earthflows	Total
1 = clearcut (timber 0-5 yrs)	12	7	1	3		23
2 = young stands (timber 5-15 yrs)	22	6				28
3 = submature timber (15-50 yrs)	53	4		6		63
4 = mature timber (>50 years)	12			1		13
5 = road	1	1	1			3
6 = partial cut						0
7 = yarding						0
8 = alpine						0
9 = other-e.g., streams, housing, agric.	2		1			3
Landform Totals	102	18	3	10	0	133

Mass Wasting Summary: Landform 11 - Steep Gradient Hillslopes (>65%)						
Activity	Shallow Landslides	Debris Flows	Debris Avalanches/ Slides	Deep-Seated Landslides	Earthflows	Total
1 = clearcut (timber 0-5 yrs)	1			1		2
2 = young stands (timber 5-15 yrs)	14			2		16
3 = submature timber (15-50 yrs)	25	3	1	6		35
4 = mature timber (>50 years)	2		1	3		6
5 = road	5		1			6
6 = partial cut						0
7 = yarding						0
8 = alpine						0
9 = other-e.g., streams, housing, agric.				1		1
Landform Totals	47	3	3	13	0	66

Mass Wasting Summary: Landform 12 - Moderate Gradient Hillslopes (41-64%)						
Activity	Shallow Landslides	Debris Flows	Debris Avalanches/ Slides	Deep-Seated Landslides	Earthflows	Total
1 = clearcut (timber 0-5 yrs)	14	5		3		22
2 = young stands (timber 5-15 yrs)	81	5	3	9		98
3 = submature timber (15-50 yrs)	165	4	7	14	2	192
4 = mature timber (>50 years)	32		4	3		39
5 = road	5		2			7
6 = partial cut						0
7 = yarding						0
8 = alpine						0
9 = other-e.g., streams, housing, agric.	3	1	2	1		7
Landform Totals	300	15	18	30	2	365

Mass Wasting Summary: Landform 14 - Flats (0-10%)

Activity	Shallow Landslides	Debris Flows	Debris Avalanches/ Slides	Deep-Seated Landslides	Earthflows	Total
1 = clearcut (timber 0-5 yrs)		1				1
2 = young stands (timber 5-15 yrs)	3					3
3 = submature timber (15-50 yrs)	12			2		14
4 = mature timber (>50 years)						0
5 = road	3					3
6 = partial cut						0
7 = yarding						0
8 = alpine						0
9 = other-e.g., streams, housing, agric.						0
Landform Totals	18	1	0	2	0	21

Mass Wasting Summary: Landform 15 - Ridge Tops and Noses (0-10%)

Activity	Shallow Landslides	Debris Flows	Debris Avalanches/ Slides	Deep-Seated Landslides	Earthflows	Total
1 = clearcut (timber 0-5 yrs)						0
2 = young stands (timber 5-15 yrs)						0
3 = submature timber (15-50 yrs)						0
4 = mature timber (>50 years)						0
5 = road						0
6 = partial cut						0
7 = yarding						0
8 = alpine						0
9 = other-e.g., streams, housing, agric.						0
Landform Totals	0	0	0	0	0	0

Mass Wasting Summary: Landform 16 - Low Gradient Hillslopes (11-40%)						
Activity	Shallow Landslides	Debris Flows	Debris Avalanches/ Slides	Deep-Seated Landslides	Earthflows	Total 60
1 = clearcut (timber 0-5 yrs)	16	2	1	10		29
2 = young stands (timber 5-15 yrs)	30			5	2	37
3 = submature timber (15-50 yrs)	85	3	2	10		100
4 = mature timber (>50 years)	12			1		13
5 = road	6	1				7
6 = partial cut						0
7 = yarding						0
8 = alpine						0
9 = other-e.g., streams, housing, agric.	2					2
Landform Totals	151	6	3	26	2	188

Mass Wasting Summary: Landform 17 - Low Gradient Dormant Distinct Earthflows (11-85%)						
Activity	Shallow Landslides	Debris Flows	Debris Avalanches/ Slides	Deep-Seated Landslides	Earthflows	Total 60
1 = clearcut (timber 0-5 yrs)	3			1	1	5
2 = young stands (timber 5-15 yrs)	6			2	1	9
3 = submature timber (15-50 yrs)	17	2	1	2	1	23
4 = mature timber (>50 years)	1					1
5 = road						0
6 = partial cut						0
7 = yarding						0
8 = alpine						0
9 = other-e.g., streams, housing, agric.			1			1
Landform Totals	27	2	2	5	3	39

Mass Wasting Summary: Landform 18 - Active Deep-Seated Landslides (16-85%)						
Activity	**Shallow Landslides**	**Debris Flows**	**Debris Avalanches/ Slides**	**Deep-Seated Landslides**	**Earthflows**	**Total 60**
1 = clearcut (timber 0-5 yrs)						0
2 = young stands (timber 5-15 yrs)						0
3 = submature timber (15-50 yrs)	10		1			11
4 = mature timber (>50 years)	1			1		2
5 = road						0
6 = partial cut						0
7 = yarding						0
8 = alpine						0
9 = other-e.g., streams, housing, agric.	3			2	1	6
Landform Totals	14	0	1	3	1	19