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

Lower Wishkah WAU

Hazard ratings per landform calculated with road-related landslides														
Landforms	Landform 1 (Inner Gorges >70%)	Landform 2 (Bedrock Hollows >70%)	Landform 7 (Active Scarps of Deep-seated Landslides >20%)	Landform 8 (DSLS Toes >65%)	Landform 9 (Outside Meander Bends)	Landform 10 (Non-rule-identified Inner Gorges 35-65%)	Landform 11 (Steep Gradient Hillslopes >65%)	Landform 12 (Moderate Gradient Hillslopes 41-64%)	Landform 14 (Flats 0-10%)	Landform 15 (Ridgetops and Noses 0-10%)	Landform 16 (Low Gradient Hillslopes 11-40%)	Landform 17 (Dormant Distinct Low Gradient Earthflows 11-85%)	Landform 18 (Active Deep-Seated Landslides 20-85%)	Total WAU
Years	47	47	47	47	47	47	47	47	47	47	47	47	47	47
Landform Area (acres)	116.3	153.0	357.0	11.3	119.0	292.7	223.1	2541.7	12529.5	375.2	13803.6	496.6	84.3	31103
Number of Landslides (excluding deep-seated landslides)	44.0	58.0	111.0	7.0	57.0	123.0	53.0	333.0	19.0	0.0	160.0	31.0	15.0	1011.0
Landslide Frequency Rate (Number of slides/Landform Area/Years) x 10^6	8049.6	8065.6	6615.4	13180.2	10191.3	8941.0	5054.5	2787.5	32.3	0.0	246.6	1328.2	3785.9	68278.1
Number of 'Delivering' Landslides	34.0	35.0	40.0	4.0	51.0	84.0	29.0	174.0	13.0	0.0	79.0	20.0	5.0	568.0
Area of 'Delivering' Landslides (acres)	12.3	9.1	10.3	1.0	13.8	23.6	7.3	41.2	2.2	0.0	19.7	5.4	1.0	146.9
Landslide Area Rate for Delivery (Delivering Landslide Area/Landform Area/Years) x 10^6	2250.2	1265.5	613.9	1882.9	2467.4	1715.5	696.2	344.9	3.7	0.0	30.4	231.4	252.4	100.5
Overall Hazard Rating	Very High	Very High	Very High	Very High	Very High	Very High	Very High	Very High	Low	Low	Low	Very High	Very High	High

Lower Wishkah WAU - Form A-4 continued

Hazard ratings per landform calculated without road-related landslides														
Landforms	**Landform 1 (Inner Gorges >70%)**	**Landform 2 (Bedrock Hollows >70%)**	**Landform 7 (Active Scarps of Deep-seated Landslides >20%)**	**Landform 8 (DSLS Toes >65%)**	**Landform 9 (Outside Meander Bends)**	**Landform 10 (Non-rule-Identified Inner Gorges 35-65%)**	**Landform 11 (Steep Gradient Hillslopes >65%)**	**Landform 12 (Moderate Gradient Hillslopes 41-64%)**	**Landform 14 (Flats 0-10%)**	**Landform 15 (Ridgetops and Noses 0-10%)**	**Landform 16 (Low Gradient Hillslopes 11-40%)**	**Landform 17 (Dormant Distinct Low Gradient Earthflows 11-85%)**	**Landform 18 (Active Deep-Seated Landslides 20-85%)**	**Total WAU**
Years	47	47	47	47	47	47	47	47	47	47	47	47	47	47
Landform Area (acres)	116.3	153.0	357.0	11.3	119.0	292.7	223.1	2541.7	12529.5	375.2	13803.6	496.6	84.3	31103
Number of Landslides (excluding deep-seated landslides)	44.0	57.0	107.0	7.0	57.0	120.0	47.0	326.0	16.0	0.0	153.0	31.0	15.0	980.0
Landslide Frequency Rate (Number of slides/Landform Area/Years) x 10^6	8049.6	7926.6	6377.0	13180.2	10191.3	8722.9	4482.3	2728.9	27.2	0.0	179.0	1328.2	3785.9	66979.1
Number of 'Delivering' Landslides	34.0	34.0	39.0	4.0	51.0	82.0	23.0	171.0	10.0	0.0	74.0	20.0	5.0	547.0
Area of 'Delivering' Landslides (acres)	12.3	9.0	9.5	1.0	13.8	23.0	4.3	40.6	1.6	0.0	17.7	5.4	1.0	139.2
Landslide Area Rate for Delivery (Delivering Landslide Area/Landform Area/Years) x 10^6	2250.2	1251.6	566.2	1882.9	2467.4	1671.9	410.1	339.9	2.7	0.0	27.3	231.4	252.4	95.2
Overall Hazard Rating	Very High	Very High	Very High	Very High	Very High	Very High	Very High	Very High	Low	Low	Low	Very High	Very High	High