

ELK RIVER ROWD APPENDIX C
CURRENT LANDSLIDE INVENTORY AS OF AUGUST 2015

ABBREVIATION EXPLANATION

Failure Mode-

(EF) Earthflow
(DF) Debris Flow
(DFTT) Debris Flow Torrent Track
(DG) Disturbed Ground
(DS) Debris Slide
(TR) Translational/Rotational

Depth-

(S) Shallow (assumed to be 5 feet)
(D) Deep (assumed to be 12 feet)

Reactivation-

(Y) Yes
(N) No

Geomorphic Association-

(BIS) Break in Slope
(BL) Bluff
(CV) Convergent
(DV) Divergent
(HW) Headwall
(IG) Inner Gorge
(PL) Planar
(SS) Streamside Slope
(ST) Stream Channel
(SW) Swale

Delivery-

(Y) Yes
(N) No

Road Failure-

(PH) Primary Haul Road
(AH) Abandoned Haul Road
(SH) Secondary Haul Road
(NA) Not Applicable

Road Feature-

(RCB) Road Cut Bank
(RRF) Road Fill
(RLF) Landing Fill
(RX) Road Crossing
(RD) Road Affiliated
(NA) Not Applicable

Stream Class-

(1) Class I
(2) Class II
(3) Class III
(NA) Not Applicable

Identification Method-

(AP) Aerial Photograph
(FV) Field

2003 LANDSLIDES

SLIDEID	Failure Mode	Depth	Reactivation Status	Geomorphic Association	Harvest Year of Adjoining Cut Block	Road Failure	Road Feature	Volume Delivered (yd ³)	Stream Class	Identification Method
66	DS	S	N	BIS	1995	AS	RRF	0	NA	AP
67	DS	S	N	DSms	1995	AH	RLF	0	NA	AP
68	DS	S	Y	SS	NA	NA	NA	712	1	AP
69	DS	S	Y	SS	1990	PH	RLF	34	3	AP
70	TR	D	N	BIS	1993	SH	RLF	0	NA	AP
71	DS	S	N	SS	2004	SH	RRF	126	3	AP
72	TR	S	N	BIS	1986	SH	RCB	0	NA	AP
73	DS	S	N	SS	1986	NA	NA	0	NA	AP
74	DS	S	N	BIS	1994	AH	RCB	0	NA	AP
75	DS	S	Y	SW	NA	PH	RRF	33	1	AP
96	DF TT	S	Y	SW	1988	AS	NA	0	NA	AP
108	TR	D	Y	SS	2005	AH	RD	1517	1	AP
109	DS	S	N	SW	NA	SH	RRF	81	1	AP
121	DF	S	Y	SW	1996	NA	NA	196	3	AP
133	DS	S	Y	SS	1995	NA	NA	123	2	AP
134	DS	S	Y	BIS	1995	AS	NA	16	3	AP
135	DS	S	N	SS	1995	AS	NA	61	2	AP
136	TR	S	Y	SS	1992	NA	NA	0	NA	AP
137	TR	S	Y	SS	1995	AH	RD	62	1	AP
152	DS	S	Y	SS	1998	NA	NA	0	NA	AP
153	DS	S	Y	SC	1998	SH	RD	70	3	AP
154	DS	S	Y	SC	1995	AH	RD	50	3	AP
155	DS	S	Y	SS	1995	SH	RLF	0	NA	AP
156	DS	S	Y	SS	1995	NA	NA	184	3	AP
157	TR	S	Y	DSIs	1995	SH	RLF	0	NA	AP
159	DS	S	N	BIS	1990	NA	NA	0	NA	AP
160	DS	S	Y	HW	1990	AS	RRF	120	3	AP
161	DS	S	Y	SS	1990	NA	NA	33	3	AP
162	DS	D	Y	SW	1997	SH	RD	792	3	AP
163	DF	D	N	SS	2011	NA	NA	492	2	AP
164	DS	S	Y	DSms	1996	AH	NA	0	3	AP
165	DS	S	Y	HW	1996	NA	NA	203	3	AP
166	DS	S	Y	BIS	1996	SH	RLF	0	NA	AP
167	DS	S	Y	SS	2003	NA	NA	7	2	AP
191	TR	D	Y	BIS	1989	NA	NA	0	1	AP
192	DS	S	Y	SS	1990	AH	RRF	175	3	AP
193	DS	S	Y	SS	1990	NA	NA	37	3	AP
194	TR	S	Y	DSIs	1990	NA	NA	287	3	AP
195	DS	S	Y	SS	1989	NA	NA	1131	2	AP
196	DS	S	Y	DSms	1994	AH	RRF	4	3	AP
197	DS	S	N	HW	1990	AH	RD	456	2	AP
198	DS	S	Y	SS	1990	NA	NA	43	2	AP
199	DS	S	Y	SS	1990	AS	RRF	2	3	AP
200	DS	S	Y	SS	2002	NA	NA	1043	2	AP
201	DS	S	Y	SS	1993	NA	NA	47	1	AP
202	TR	S	Y	SS	1993	NA	NA	0	NA	AP
204	TR	D?	Y	SS	1993	NA	NA	0	NA	AP
223	TR	S	N	BIS	1987	AS	RRF	0	NA	AP
224	TR	D	N	SS	1990	SH	RD	1140	2	AP
225	DS	S	Y	SS	1989	AS	NA	61	2	AP
256	DS	D	N	SW	1994	SH	RRF	17	3	AP
257	DS	S	Y	BIS	1989	AS	RD	13	2	AP
259	DS	S	Y	SS	2005	NA	NA	0	NA	AP
260	DS	S	N	SS	1988	AS	RD	86	1	AP
261	DS	S	N	SS	1989	AS	RD	0	NA	AP
262	DS	S	Y	SS	2003	AH	RCB	133	1	AP
263	DS	S	Y	HW	2003	NA	NA	2	3	AP
282	DS	S	N	SW	1986	NA	NA	76	3	AP
283	DS	S	Y	SW	1986	AS	RRF	11	3	AP
284	DF	S	Y	SS	NA	NA	NA	203	1	AP
285	DS	S	Y	DSms	1986	NA	NA	0	NA	AP
287	DS	S	N	BIS	1996	SH	RCB	0	NA	AP
288	DS	S	Y	DS	1996	AS	RLF	4	2	AP
320	DS	S	N	SC	1992	AS	RD	90	3	AP
321	TR	S	N	SS	NA	AH	RD	314	1	AP
444	TR	D	Y	SS	2002	AS	RD	396	2	AP
726	DS	S	N	DSIs	1998	NA	NA	827	1	AP
761	DS	S	N	DSIs	1998	NA	NA	900	1	AP
								TOTAL:	12410	

2006 LANDSLIDES

SLIDEID	Failure Mode	Depth (ft)	Reactivation Status	Geomorphic Association	Harvest Year of Adjoining Cut Block	Road Failure	Road Feature	Estimate of Delivery	Volume Delivered (yd ³)	Stream Class	Identification Method
70	TR	S	Y	BIS	1993	AH	RLF	0%	0	NA	AP
121	DS	S	Y	SW	1996	NA	NA	10%	10	2	AP
133	DF	S	Y	SS	1995	AS	RRF	75%	129	2	AP
152	DS	S	Y	SS	1998	NA	NA	0%	0	NA	AP
191	TR	D	Y	BIS	1989	NA	NA	0%	0	1	AP
263	DS	S	Y	BIS	2003	PH	RLF	75%	304	3	AP
401	DS	S	N	BIS	1990	PH	RCB	5%	5	3	AP
412	DS	S	N	BIS	1994	AS	NA	25%	26	3	AP
413	DS	S	N	BIS	1998	NA	NA	85%	345	3	AP
414	DS	S	N	SW	2004	NA	NA	0%	0	NA	AP
415	DS	S	N	SW	1998	AS	RRF	0%	0	NA	AP
431	DS	S	N	SW	1992	SH	RX	25%	26	3	AP
432	DS	S	N	BIS	1995	PH	RRF	0%	0	NA	AP
445	DS	S	N	SS	1997	NA	NA	0%	0	NA	AP
683	DS	S	N	ST	1988	SH	RX	25%	11	3	AP
684	DS	S	Y	SS	NA	SH	RX	50%	22	3	AP
685	DS	S	N	SS	1986	PH	RCB	10%	4	3	AP
686	TR	S	Y	SS	NA	PH	RRF	25%	43	3	AP
693	DS	S	N	BIS	1990	PH	RRF	25%	101	1	AP
694	TR	S	N	SS	1995	PH	RCB	0%	0	NA	AP
706	DS	S	Y	SS	1990	NA	NA	0%	0	NA	AP
709	DS	S	Y	BIS	1990	AS	RCB	0%	0	NA	AP
710	DS	S	Y	BIS	1990	AH	RCB	0%	0	NA	AP
711	DF	S	N	SW	1990	AH	RX	0%	0	NA	AP
712	DS	S	N	SS	1990	NA	NA	75%	33	2	AP
713	DS	S	N	BIS	1985	SH	RRF	0%	0	NA	AP
714	DF	S	N	DSS	NA	NA	NA	0%	0	NA	AP
715	DS	S	N	SS	NA	AS	RRF	85%	88	2	AP
716	TR	D	Y	DSIs	1988	AH	RD	15%	7911	1	AP
717	DS	S	Y	SS	NA	AH	RRF	85%	93	1	AP
718	DS	S	N	HW	2003	NA	NA	0%	0	NA	AP
719	DS	S	Y	SS	1995	AS	RRF	50%	290	2	AP
720	DS	S	Y	HW	1998	NA	NA	0%	0	NA	AP
721	DS	S	N	SS	NA	NA	NA	0%	0	NA	AP
722	DS	S	N	BIS	1998	NA	NA	0%	0	NA	AP
723	DS	S	Y	BIS	1998	NA	NA	0%	0	NA	AP
724	DS	S	N	SW	1998	AS	RRF	0%	0	NA	AP
725	DS	S	N	BIS	1998	AS	RLF	0%	0	NA	AP
727	DS	S	Y	SS	1995	AH	RCB	25%	11	2	AP
728	DS	S	Y	SS	2006	AH	RRF	50%	52	2	AP
729	DS	S	N	BIS	1990	AS	RRF	0%	0	NA	AP
730	DS	S	N	SS	2003	NA	NA	0%	0	NA	AP
731	DS	S	N	BIS	1990	AS	RCB	0%	0	NA	AP
732	TR	S	N	SS	1990	PH	RRF	50%	52	1	AP
733	DS	S	N	SS	1989	NA	NA	50%	203	1	AP
734	DS	S	N	SS	NA	NA	NA	75%	78	1	AP
735	DS	S	N	SS	1989	NA	NA	75%	78	2	AP
736	DS	S	N	SS	1986	AH	RRF	100%	579	2	AP
737	TR	S	N	SS	1991	SH	RCB	0%	0	NA	AP
738	TR	S	N	SW	1990	AS	RLF	0%	0	NA	AP
739	DS	S	Y	SS	NA	NA	NA	50%	52	2	AP
740	DS	S	N	ST	1986	AS	RX	100%	44	3	AP
741	TR	S	N	SS	1988	AH	RRF	0%	0	NA	AP
742	DS	S	N	SS	NA	AH	RRF	75%	33	2	AP
TOTAL:									10623		

2010 LANDSLIDES

SLIDEID	Failure Mode	Depth	Reactivation Status	Geomorphic Association	Harvest Year of Adjoining Cut Block	Road Failure	Road Feature	Estimate of Delivery	Volume Delivered (yd3)	Stream Class	Identification Method
706	DS	S	Y	SS	NA	NA	NA	25%	11	2	Ap
707	DS	S	Y	SS	NA	NA	NA	85%	88	2	AP
708	DS	S	N	BIS	2008	AH	RRF	0%	0	NA	AP
709	DS	S	Y	BIS	NA	AS	RCB	0%	0	NA	AP
TOTAL:									99		

2011 LANDSLIDES

SLIDEID	Failure Mode	Depth	Reactivation Status	Geomorphic Association	Harvest Year of Adjoining Cut Block	Road Failure	Road Feature	Estimate of Delivery	Volume Delivered (yd3)	Stream Class	Identification Method
1002	DS	S	N	SS	2009	AH	RRF	80%	15	2	FV
1003	DS	S	N	SS	2009	AH	RRF	80%	15	3	FV
TOTAL:									30		

2012 LANDSLIDES

SLIDEID	Failure Mode	Depth	Reactivation Status	Geomorphic Association	Harvest Year of Adjoining Cut Block	Road Failure	Road Feature	Estimate of Delivery	Volume Delivered (yd3)	Stream Class	Identification Method
1001	DS	S	Y	SS	2009	AH	RRF	80%	240	2	FV
1004	DS	S	N	SS	1990	AH	RRF	80%	1	2	FV
1005	DS	S	N	SS	2007	AH	RRF	100%	5	3	FV
1011	DS	S	N	PL	1995	NA	NA	0%	0	NA	FV
TOTAL:									246		

2015 LANDSLIDES

SLIDEID	Failure Mode	Depth	Reactivation Status	Geomorphic Association	Harvest Year of Adjoining Cut Block	Road Failure	Road Feature	Estimate of Delivery	Volume Delivered (yd3)	Stream Class	Identification Method
1006	DS	S	N	SS	1995	AH	RLF	80%	30	3	FV
1007	DS	S	Y	SS	1995	AH	RCB	0%	0	NA	FV
1008	DS	S	N	BIS	1995	AH	RCB	0%	0	NA	FV
1009	DS	S	Y	BIS	1995	NA	NA	80%	10	3	FV
1010	DS	S	Y	BIS	1995	AH	RCB	0%	0	NA	FV
TOTAL:									40		