

**ELK RIVER ROWD - APPENDIX D  
ROAD INVENTORY AND TREATMENT SCHEDULE AS OF APRIL 2015**

ELK RIVER ROWD - APPENDIX D ROAD INVENTORY AND TREATMENT SCHEDULE AS OF APRIL 2015

All Road Sites\_SFMSEIK

HRC Unique ID	Road	Start Feet	Site ID	Project ID	Type of Source	Site Status	Complete Date	Completion Year	Sub-basin	Problem	Volume Future	Future Delivery	Future Yield to Stream	Erosion Potential	Treatment Immediacy	Treatment Type	Field Stream Class	Original Database	Comments	EnviroScore	Priority Rank	Year to be treated	Original Proposed Treatment Year
11711	U06.0812	950	C1	1659629691	Stream crossing	Complete	8/1/2014	2014	Lower Elk River	culvert undersized	20	100	20			Watercourse with minimal fish habitat, other than at high	1	2012		NA	NA		2014
11716	U06	7856			Fill-Road	Complete	8/1/2014	2014	Tom Gulch	Fill Failure	12	100	12	NS	M	Outside edge of road has slumped 2-3' Base of the	1	2013 Update		546	51		2013
15028	U08.30	690	99.1	-1812327713	Stream crossing	Complete	11/05/14	2014	Lower South Fork Elk River	A small class III potential humboldt	75	100	75	M	M	1) Excavate from TOP to BOT	3	PWA 2006		264	235		2014
11976	U04.63	200		307896081	Stream crossing	Complete	10/2/2014	2014	Lower Elk River	culvert upgrade	25	100	25			Existing class II 24" culvert with a shoutgun out. Replace	2	2013		NA	NA		2014
15167	N53.524956	489	33	1930168258	Stream crossing	Complete	10/15/14	2014	Upper South Fork Elk River	Filled class III stream crossing	75	100	75	L	L	1) Excavate crossing from TOP to BOT and lay back	3	PWA 2006		120	385		2014
15168	N53.524956	292	34	1024090286	Stream crossing	Complete	10/15/14	2014	Upper South Fork Elk River	See original site form. Subsurface	140	100	140	M	M	1) Excavate crossing from TOP to BOT and lay back	3	PWA 2006		294	214		2014
11713	U07	360	C1	-1358500653	Stream crossing	Complete	9/23/2013	2013	Lower South Fork Elk River	no culvert	10	100	10			Existing partially pulled crossing. Install a permanent	3	2012		NA	NA		2014
8987	U08.1230	402	bfc507	1365012590	failing inlet bank	Complete	5/1/2013	2013	Lower South Fork Elk River	Failing bank	1	100	1			The right bank slope directly adjacent to the culvert inlet	2		maintenance	321			2013
15129	N53.53	7106	SFE7.1	-809330857	failing fillslope	Complete	10/12/2013	2013	Upper South Fork Elk River	see work order	5	100	5			Inlet and outlet fillslope have failed in December 2012.	3		maintenance	321			2013
15420	U08.0874	200		1113018718	Crossing	Complete	10/12/2013	2013	Upper South Fork Elk River	Existing Class II crossing with	3	50	1	L	L		2	2013 Update		321	198		2013
8986	U08.1230	500	bfc506	iron gate	Falling Crossing	Complete	10/2/2012	2012	Lower South Fork Elk River	Falling Crossing	35	100	35	L	L	ing. Excavate small inlet basin	3	2/2011 Update		183	328		
8987	U08.1230	402	bfc507	iron gate	Falling Crossing	Complete	6/19/2012	2012	Lower South Fork Elk River	Falling Crossing	18	100	18	H	H	TOP to BOT and install culvert	2	2/2011 Update		792	11		
8998	U08.12	3567	bfc518	iron gate	Falling Crossing	Complete	9/5/2012	2012	Lower South Fork Elk River	Falling Crossing	118	100	118	H	H	bottom stumps to locate the origin	3	2/2011 Update		515	65		
11236	U08.1230	1077	C 4	iron gate	Permanent Crossing	Complete	9/5/2012	2012	Lower South Fork Elk River	Permanent Crossing	27	100	27	L	L	stabilizing as necessary for use	3	2/2011 Update		251	250		
11237	U08.1230	360	C 2	iron gate	Permanent Crossing	Complete	9/5/2012	2012	Lower South Fork Elk River	Permanent Crossing	84	100	84	L	L	upper cut limit, due to the preser	3	2/2011 Update		243	263		
11245	U08.08	411	C 1	iron gate	Humboldt	Complete	9/10/2012	2012	Lower South Fork Elk River	Humboldt	75	100	75	M	M	nel, exposing inlet and outlet ho	3	2/2011 Update		437	110		
11246	U08.08	807	C 2	iron gate	Watercourse Diversion	Complete	9/10/2012	2012	Lower South Fork Elk River	Watercourse Diversion	147	100	147	M	M	Class channel runs subsurface beneath the road for 105 feet	3	2/2011 Update		437	111		
11249	U08.1230	694	C 3	iron gate	Rock Ford	Complete	9/5/2012	2012	Lower South Fork Elk River	Rock Ford	2	100	2	H	H	a shallow, layed back channel.	3	2/2011 Update		629	29		
11489	N53.6149	0	SFE 1077	-1490666901	Culv.	Complete	10/22/2012	2012	Upper South Fork Elk River	Previously pulled crossing, where all	882	100	882	M	M		3	2012 update		384	144		
11490	N53.6149	0	SFE 1078	2113169104	Fill - Landing	Complete	10/22/2012	2012	Upper South Fork Elk River	Filled class III/Landing.	323	100	323	L	L		3	2012 update		126	375		
11491	N53.6133	0	sfe24.1	1549070993	Fill - NO Culvert	Complete	10/22/2012	2012	Upper South Fork Elk River	Filled class III watercourse.	22	100	22	M	M		3	2012 update		246	257		
11492	N53.6133	0	sfe28.1	471656830	Culv.-HDP-Plug	Complete	10/22/2012	2012	Upper South Fork Elk River	Crossing with a partially plugged	398	100	398	M	M		3	2012 update		294	215		
11493	N53.6133	0	SFE1075	1075740754	Culv.-HDP-Plug	Complete	10/22/2012	2012	Upper South Fork Elk River	Crossing with with rusted culvert that	1226	100	1226	H	H		3	2012 update		984	6		
15103	N53.6133	-1	23	512266257	Stream crossing	Complete	10/22/2012	2012	Upper South Fork Elk River	The area looks to have stabilized	11	100	11	L	L	1) Excavate from TOP to BOT	3	PWA 2006		116	402		
15116	N53.53	7106	7	1509537914	Stream crossing	Complete	10/22/2012	2012	Upper South Fork Elk River	A class III stream crossing with an	177	100	177	M	HM	Replace CMP at channel grade. Rebuild angle is 33	3	PWA 2006		384	145		
15127	N53.53	6431	6	233108723	Stream crossing	Complete	10/22/2012	2012	Upper South Fork Elk River	A class III stream crossing with 18"	118	100	118	M	M	Replace culvert with 24" at natural channel grade. 2)	3	PWA 2006		294	216		
15129	N53.53	7106	7.1	1573689844	Stream crossing	Complete	10/22/2012	2012	Upper South Fork Elk River	See comments for site 7. This stream	186	100	186	ML	M	Excavate TOP to BOT and install 24" x 80' CMP in	3	PWA 2006		258	242		
15132	N53.5318	2810	10	-315571486	Ditch relief culvert	Complete	10/7/2012	2012	Upper South Fork Elk River	1420' of spring fed in-board ditch	66	100	66	ML	M	Install 19 cross road drains	3	PWA 2006		246	258		
15133	N53.5318	5064	10.1	-1093324264	Stream crossing	Complete	10/24/2012	2012	Upper South Fork Elk River	Headwall swale above road with no	71	100	71	L	ML	1) Excavate crossing from TOP to BOT with 2:1 slopes	3	PWA 2006		150	356		
15134	N53.5318	5639	10.2	563543926	Stream crossing	Complete	10/24/2012	2012	Upper South Fork Elk River	Functioning CMP xing on	215	100	215	M	M	1) Excavate crossing from TOP to BOT with 2:1 side	3	PWA 2006		294	217		
15138	N53.6133	8139	24	1576230302	Stream crossing	Complete	10/22/2012	2012	Upper South Fork Elk River	A pulled class III stream crossing.	50	100	50	ML	ML	1) Lay back side slopes 2:1 for decommission	2	PWA 2006		235	286		
15139	N53.53	3639	5	1848714845	Stream crossing	Complete	10/22/2012	2012	Upper South Fork Elk River	An 18" cmp on a class III stream	143	100	143	ML	ML	1) Replace 18" with 24" CMP at channel grade. 2) Install 1	3	PWA 2006		168	340		
15164	N53.6133	7552	25	-1582503119	Stream crossing	Complete	10/22/2012	2012	Upper South Fork Elk River	An undersized 18" cmp at a class II	189	100	189	ML	ML	1) Excavate crossing from TOP to BOT	3	PWA 2006		168	341		
15165	N53.6133	6931	28	-393142016	Stream crossing	Complete	10/22/2012	2012	Upper South Fork Elk River	A culverted class III stream crossing.	202	100	202	H	HM	1) Excavate TOP to BOT	3	PWA 2006		444	106		
15166	N53.6133	6672	30	-1009302032	Landslide	Complete	10/22/2012	2012	Upper South Fork Elk River	Discontinuous cracks up to 8'	267	50	134	ML	ML	1) Excavate unstable road fill as follows: 80'w x 3'd x 25'l	3	PWA 2006		168	342		
15177	N53.6133	2768	41	874858451	Stream crossing	Complete	10/22/2012	2012	Upper South Fork Elk River	A class II stream with an undersized	729	100	729	ML	ML	1) Excavate from TOP to BOT	3	PWA 2006		204	312		
15180	N53.53	9027	48.1	-579637075	Stream crossing	Complete	10/24/2012	2012	Upper South Fork Elk River	A headweall swale above the road	169	100	169	HM	M	1) Excavate from TOP to BOT	3	PWA 2006		330	188		
388	U06.08				Fill - Road	Complete	10/15/2011	2011	Tom Gulch				30	NS	NS		3	2012 Update		341	171		
8988	U08.12	1850	bfc508	Iron Gate	Falling Crossing	Complete	10/15/11	2011	Lower South Fork Elk River	Falling Crossing	50	100	50	M	M	avate from TOP to BOT and Ins	3	2/2011 Update		371	156		
8992	U08.12	2412	bfc512	Iron Gate	Falling Crossing	Complete	10/15/11	2011	Lower South Fork Elk River	Falling Crossing	116	100	116	H	H	site will become integrated with	2	2/2011 Update		892	7		
8993	U08.12	2657	bfc513	Iron Gate	Falling Crossing	Complete	10/15/11	2011	Lower South Fork Elk River	Falling Crossing	103	100	103	H	H	stress wall as needed at the TOP	2	2/2011 Update		712	15		
9006	U08.12	4697	bfc526	iron gate	Falling Crossing	Complete	10/15/11	2011	Lower South Fork Elk River	Falling Crossing	111	100	111	M	M	psing channel inlet and outlet o	3	2/2011 Update		659	23		
9007	U08.12	4667	bfc527	iron gate	Falling Crossing	Complete	10/15/11	2011	Lower South Fork Elk River	Falling Crossing	60	100	60	H	H	dge of road. The upper channe	3	2/2011 Update		1109	2		
9015	U08.12	4864	bfc535	iron gate	Humboldt	Complete	10/15/11	2011	Lower South Fork Elk River	Humboldt	133	100	133	H	H	tom flag is short, stopping at a n	3	2/2011 Update		1109	3		
9022	U08.12	5380	bfc542	iron gate	Falling Crossing	Complete	10/15/11	2011	Lower South Fork Elk River	Falling Crossing	62	100	62	H	H	Class crossing with failing Humboldt. Upper and lower	3	2/2011 Update		551	49		
9024	U08.12	5128	bfc544	iron gate	Rock Ford	Complete	10/15/11	2011	Lower South Fork Elk River	Rock Ford	53	100	53	L	L	Class upper end of channel, with no apparent Humboldt. Install	3	2/2011 Update		240	275		

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11232	U08.12	580	C 1	Iron Gate	Failing Crossing	Complete	10/15/11	2011	Lower South Fork Elk River	Failing Crossing	187	100	187	M	M	between TOP and BOT. Excavate	3	2/2011 Update		380	150		
11233	U08.12	695	C 2	Iron Gate	Rock Ford	Complete	10/15/11	2011	Lower South Fork Elk River	Rock Ford	37	100	37	M	M	Tractor use has filled in the upper Class III channel.	3	2/2011 Update		389	141		
11234	U08.12	910	C 3	Iron Gate	Crossing	Complete	10/15/11	2011	Lower South Fork Elk River	Crossing	23	100	23	L	L	Culvert outfall will be narrow and	3	2/2011 Update		243	264		
11235	U08.12	965	C 4	Iron Gate	Failing Crossing	Complete	10/15/11	2011	Lower South Fork Elk River	Failing Crossing	21	100	21	L	L	armor the inlet basin walls to pre	3	2/2011 Update		245	261		
11238	U08.12	1422	C 6	Iron Gate	Failing Crossing	Complete	10/15/11	2011	Lower South Fork Elk River	Failing Crossing	26	100	26	L	L	e from TOP to BOT and install c	3	2/2011 Update		240	273		
11240	U08.12	1446	C 7	Iron Gate	Watercourse Diversion	Complete	10/15/11	2011	Lower South Fork Elk River	Watercourse Diversion	4	100	4	L	L	the channel (flagged) to direct fl	3	2/2011 Update		240	276		
11241	U08.12	1990	C 8	Iron Gate	Rock Ford	Complete	10/15/11	2011	Lower South Fork Elk River	Rock Ford	132	100	132	L	L	veal the original channel. Use th	3	2/2011 Update		240	274		
11242	U08.12	3126	C 9	iron gate	Humboldt	Complete	10/15/11	2011	Lower South Fork Elk River	Humboldt	29	100	29	H	H	avate from TOP to BOT and insta	2	2/2011 Update		634	27		
11243	U08.0802	233	C 1	iron gate	Failing Crossing	Complete	10/15/11	2011	Lower South Fork Elk River	Failing Crossing	76	100	76	H	H	a failing Humboldt. Excavate	2	2/2011 Update		634	28		
11244	U08.0802	915	C 2	iron gate	Humboldt	Complete	10/15/11	2011	Lower South Fork Elk River	Humboldt	50	100	50	M	M	Excavate the crossing from TO	3	2/2011 Update		467	89		
15050	U06.48	2762	227.5	1643322369	Road surface	Complete	10/15/11	2011	Tom Gulch	Sinkholes developing in road	21	100	21	M	ML	1. Install DRC up right road. Clean ditch up road of drc	1	PWA 2006		397	136		
15053	U06.48	3780	230	194703150	Stream crossing	Complete	10/15/11	2011	Tom Gulch	6X1 class 2 stream with a 70% blown	414	100	414	HM	HM	1) Excavate TOP to BOT to replace culvert with a 48" by	2	PWA 2006		576	45		
15054	U06.48	3882	231	-441728706	Landslide	Complete	10/15/11	2011	Tom Gulch	Past slump along outer half of road	519	30	156	M	M	1. Excavate perched, slumping fill from start to end	2	PWA 2006		450	96		
15106	N53	24075	13	1152628690	Stream crossing	Complete	10/15/11	2011	Upper South Fork Elk River	Oblique road approach/crossing	220	100	220	H	H	Also excavate sediment fan	2	PWA 2006		587	37		
15107	N53	24415	14	1206043576	Stream crossing	Complete	10/15/11	2011	Upper South Fork Elk River	Class III stream that emerges from	144	100	144	ML	L	1) Excavate TOP to BOT and install 24"x40' CMP at base of	3	PWA 2006		138	371		
15113	N53.52	5025	19.1	-314369237	Stream crossing	Complete	10/15/11	2011	Upper South Fork Elk River	Steep class III fill crossing. Area	972	100	972	M	M	1) Excavate from TOP to BOT and install 24' x100' CMP at	2	PWA 2006		467	90		
15114	N53.61	3569	2	1973350682	Other	Complete	12/20/11	2011	Upper South Fork Elk River	Road drainage, coupled with site	100	50	50	ML	ML	Install 9 rolling dips and 1 DRC on left road and treat sites 2.1	3	PWA 2006		152	353		
15150	N53.52	4115	20	-648143854	Stream crossing	Complete	10/15/11	2011	Upper South Fork Elk River	This crossing is mostly draining	99	100	99	M	M	1) Excavate from TOP to BOT.	3	PWA 2006		264	237		
15259	U08	41020	531	1499312689	Stream crossing	Complete	10/15/11	2011	Upper South Fork Elk River	The inlet of this streams CMP has	99	100	99	H	H	1) Excavate from TOP to BOT	2	PWA 2006		527	60		
15264	U08.0865	3730	536	-309355912	Stream crossing	Complete	10/15/11	2011	Upper South Fork Elk River	A partially washed-out humboldt	97	100	97	M	M	1) Excavate from TOP to BOT	2	PWA 2006		347	170		
15265	U08.89	1390	538	-1601246273	Stream crossing	Complete	10/15/11	2011	Upper South Fork Elk River	A large humboldt crossing over a 4 x	433	100	433	M	M	1) Excavate from TOP to BOT	2	PWA 2006		377	153		
15266	U08.89	600	538.1	1841088832	Stream crossing	Complete	10/15/11	2011	Upper South Fork Elk River	A swale with concentrated flow	19	100	19	M	ML	1) Excavate from TOP to BOT.	3	PWA 2006		156	348		
15269	U08.83	41340	547	986732702	Stream crossing	Complete	10/15/11	2011	Upper South Fork Elk River	A moderate sized class II crossing	203	100	203	H	H	1) Excavate from TOP to BOT	2	PWA 2006		587	38		
15280	U08	46545	539	1084660891	Stream crossing	Complete	10/15/11	2011	Upper South Fork Elk River	A 5 x 1 class II stream crosses the	667	100	667	H	HM	1) Excavate from TOP to BOT	2	PWA 2006		707	16		
9928	N53.782021	620	SFE38.1	CAO SFE 2010	Permanent Crossing	Complete	10/05/10	2010	Upper South Fork Elk River	Permanent Crossing	1100	100	1100	L	L	g from top to bot. Lay side slop	1	2/2011 Update		486	85		
10064	N53.782021	1300			Temporary Crossing	Complete	09/30/10	2010	Upper South Fork Elk River				1400		H			2010 Update		454	95		
11127	N53	23782	DR C-1	Second Serving	Humboldt	Complete	10/11/10	2010	Upper South Fork Elk River	Humboldt	38	100	38	L	L	et basin; there is no defined, ex	3	2/2011 Update		251	251		
11128	N53	22541			Culvert install	Complete	10/05/10	2010	Upper South Fork Elk River				38							268	227		
15003	U08.36	6330	122.1	1686854966	Spring	Complete	09/29/10	2010	Lower South Fork Elk River	Heavy spring flow accumulates at the	28	100	28	H	H	1) Install a 24" x ~100' DRC outleting into class III stream	3	PWA 2006		426	116		
15004	U08.36	6130	122	-1208018777	Stream crossing	Complete	09/29/10	2010	Lower South Fork Elk River	A 2 x 1 stream emerges from	27	100	27	M	M	1) Excavate from TOP to BOT	3	PWA 2006		255	246		
15007	U08.42	-1	119.1	-1610978736	Stream crossing	Complete	09/13/10	2010	Upper South Fork Elk River	A small, class III stream appears to	246	100	246	L	L	1) Install 4 rolling dips up right road	2	PWA 2006		209	307		
15020	U08.4226	666	115.2	1940793051	Spring	Complete	10/08/10	2010	Lower South Fork Elk River	This stream has been altered	80	100	80	ML	M	1) Install 3 18" x 40' DRC's up right road: 100', 250' and 400'	3	PWA 2006		246	259		
15024	U06.48	7075	240	-641452535	Stream crossing	Complete	08/20/10	2010	Tom Gulch	Channel filled upstream and on	283	100	283	H	HM	Excavate TOP to BOT. Above and below crossing, lay back	3	PWA 2006		518	63		
15040	U08.36	11050	113.1	-679107319	Stream crossing	Complete	06/26/10	2010	Upper South Fork Elk River	Small stream crossing with 18"	67	100	67	M	ML	Excavate road fill and sediment from TOP to BOT.	3	PWA 2006		199	320		
15043	U08.42	1552	114	-117770595	Stream crossing	Complete	06/21/10	2010	Lower South Fork Elk River	The stream flows into a deep hole	230	100	230	M	M	1) Excavate TOP to BOT	3	PWA 2006		294	218		
15046	U06.48	4420	232.3	-57600483	Landslide	Complete	08/23/10	2010	Tom Gulch	Large hillslope failure slumped in	11111	20	2222	M	ML	1. Excavate 150'x 10'x35'. Ramp down to slump block	2	PWA 2006		600	33		
15051	U06.48	3328	228	1579471406	Stream crossing	Complete	07/30/10	2010	Tom Gulch	Broad open skidded swale	5	100	5	ML	ML	1. Excavate TOP to BOT and install a 24"x30' cmp in	3	PWA 2006		219	303		
15052	U06.48	3593	229	-555237039	Landslide	Complete	08/21/10	2010	Tom Gulch	Future landing fill failure with	2200	60	1320	M	M	Excavate slumping unstable fill along outer 30% of landing for	2	PWA 2006		690	18		
15055	U06.48	3958	232	-959560169	Landslide	Complete	08/11/10	2010	Tom Gulch	Past slide delivered to large	703	25	176	M	ML	1. Excavate ~50'x4'x25' and endhaul spoils to stable site.	2	PWA 2006		360	163		
15056	U06.48	6815	239	-118856045	Stream crossing	Complete	08/18/10	2010	Tom Gulch	Humboldt xing on class 2 creek.	937	100	937	H	HM	1. Excavate TOP to BOT at natural channel grade. Above	3	PWA 2006		698	17		
15057	U06.48	4165	232.2	-1745159156	Landslide	Complete	08/20/10	2010	Tom Gulch	Slumping road fill perched on 100%	93	40	37	ML	ML	1. Excavate OBF from start to end flags for ~50wx3'dx20'	2	PWA 2006		308	206		
15059	U06.48	4645	232.4	-573589427	Landslide	Complete	08/14/10	2010	Tom Gulch	Small thin potential fill failure	52	30	16	ML	ML	1. Excavate unstable fill and endhaul all spoils.	2	PWA 2006		305	209		
15060	U06.48	4690	233	-1106395757	Stream crossing	Complete	08/10/10	2010	Tom Gulch	Well-defined open swale. Channel is	124	100	124	ML	ML	1) Excavate TOP to BOT and install 24" x 70' CMP in	2	PWA 2006		324	196		
15061	U06.48	5020	234	-1149522987	Landslide	Complete	08/15/10	2010	Tom Gulch	Past slide has deposited material	67	20	13	ML	ML	1. Excavate 20'x3'dx25', endhaul to stable location.	2	PWA 2006		305	210		
15062	U06.48	6212	238	-1186220724	Stream crossing	Complete	09/17/10	2010	Tom Gulch	Likely Humboldt crossing on small	613	100	613	HM	M	1. Excavate TOP to BOT and install 30"x 80' long cmp at	3	PWA 2006		548	50		
15068	U06.48	4054	232.1	1036701583	Stream crossing	Complete	08/03/10	2010	Tom Gulch	Small swale with flow only visible in	245	100	245	L	L	1) Excavate TOP to BOT and install 24" culvert in channel	2	PWA 2006		282	225		

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15070	U06.48	11115	245	-1111692201	Stream crossing	Complete	09/03/10	2010	Tom Gulch	SEE ORIGINAL SITE SHEET	139	100	139	M	M	1. Excavate crossing from TOP to BOT to install a 24" by	3	PWA 2006		368	160		
15071	U06.48	9885	246	1685572089	Stream crossing	Complete	08/26/10	2010	Tom Gulch	see old site sheet	53	100	53	ML	ML	1. Excavate TOP to BOT and install 24" cmp in channel	3	PWA 2006		230	291		
15072	U06.48	9819	247	-1446758714	Stream crossing	Complete	09/12/10	2010	Tom Gulch	See original site sheet. I changed it	108	100	108	ML	ML	1. Excavate from TOP to BOT to install a 24" by 60' long	3	PWA 2006		242	268		
15073	U06.48	6970	247.1	982663083	Landslide	Complete	10/15/10	2010	Tom Gulch	Potential fill failure directly marginal to	200	10	20	ML	L	1. Excavate unstable fill and endhaul spoils	3	PWA 2006		192	326		
15074	U06.48	9632	248	-833475122	Stream crossing	Complete	07/17/10	2010	Tom Gulch	see old site sheet	75	100	75	L	ML	1. Excavate from TOP to BOT and install 24" cmp in channel	3	PWA 2006		224	298		
15075	U06.48	9153	248.1	-1592498528	Stream crossing	Complete	08/24/10	2010	Tom Gulch	Small fill class 2 stream crossing.	130	100	130	ML	ML	1. Excavate crossing from TOP to BOT	3	PWA 2006		242	269		
15091	U06.48	7610	241	-2038668072	Stream crossing	Complete	09/15/10	2010	Tom Gulch	Natural channel observed along	65	100	65	L	ML	Excavate crossing from TOP to BOT to install a 24" x 60' long	3	PWA 2006		224	299		
15093	N53	24022	12.1	-1518528409	Stream crossing	Complete	10/14/10	2010	Upper South Fork Elk River	Class II stream channel has been	101	100	101	L	L	1) Excavate from TOP to BOT and install a 36"x50' CMP in	3	PWA 2006		126	376		
15102	N53	22693	11	-2069310704	Ditch relief culvert	Complete	10/07/10	2010	Upper South Fork Elk River	Long road reach drains to rusted.	1	100	1	ML	L	Install 2 DRC's and 2 rolling dips to left road reach.	2	PWA 2006		198	323		
15104	N53	23507	12	1352155866	Stream crossing	Complete	10/15/10	2010	Upper South Fork Elk River	Fill xing on small, naturally buried	260	100	260	L	L	1) Excavate TOP to BOT. 2) Install a 24"x110' CMP.	2	PWA 2006		209	308		
15108	N53	25065	16	-1654746510	Ditch relief culvert	Complete	10/11/10	2010	Upper South Fork Elk River	Upgraded 18" plastic DRC from	0	100	0	L	ML	Install 1 DRC to each approach.	2	PWA 2006		227	295		
15109	N53.52	6200	17.2	1190473837	Stream crossing	Complete	09/13/10	2010	Upper South Fork Elk River	Fill crossing with fill pushed up	207	100	207	M	M	1) Excavate crossing from TOP to BOT to install a	3	PWA 2006		294	219		
15110	N53.52	5800	18.1	-2085475829	Stream crossing	Complete	09/23/10	2010	Upper South Fork Elk River	Small, low slow surface channel	1135	100	1135	L	ML	1) Excavate TOP to BOT and install 24" cmp in channel at	3	PWA 2006		204	313		
15111	U06.48	5600	18.2	1213115367	Landslide	Complete	10/09/10	2010	Upper South Fork Elk River	Potential fill failure along left edge of	1778	60	1067	M	M	1. Excavate unstable fill from start to end flags	3	PWA 2006		534	57		
15112	N53.52	5460	19	854878352	Stream crossing	Complete	10/12/10	2010	Upper South Fork Elk River	Small, well-defined, class II	517	100	517	M	M	1) Excavate from TOP (above agraded sediment fan) to BOT	3	PWA 2006		384	146		
15115	N53	23348	11.1	-1475272046	Stream crossing	Complete	10/16/10	2010	Upper South Fork Elk River	Small class III stream. Flow is	535	100	535	L	L	1) Install an 18"x40' DRC up LT road	2	PWA 2006		227	296		
15163	N53.7820	430	39.3	612064825	Landslide	Complete	10/03/10	2010	Upper South Fork Elk River	Potential fill failure outlined by cracks	200	40	80	ML	ML	1. Excavate unstable fill and endhaul all spoils out	2	PWA 2006		239	280		
15169	N53.78	1952	36	-237225779	Stream crossing	Complete	07/23/10	2010	Upper South Fork Elk River	Small class III stream is partially	235	100	235	L	L	1) Excavate from TOP to BOT and lay back side slopes	3	PWA 2006		126	378		
15170	N53.78	866	36.1	1905706502	Stream crossing	Complete	07/26/10	2010	Upper South Fork Elk River	This stream was probably a	218	100	218	ML	ML	1. Excavate TOP to BOT with 2:1 banks	2	PWA 2006		251	253		
15171	N53.782021	688	38	633261419	Stream crossing	Complete	07/29/10	2010	Upper South Fork Elk River	See original site form. Tractored	64	100	64	M	M	1) Excavate crossing from TOP to BOT and lay back side	3	PWA 2006		264	238		
15172	N53.78	481	39	-1749791057	Stream crossing	Complete	07/30/10	2010	Upper South Fork Elk River	Large volume fill xing on low	542	100	542	HM	HM	1) Excavate TOP to BOT with 6' channel width and 2:1	2	PWA 2006		647	24		
15174	N53.7820	370	39.2	-213393240	Stream crossing	Complete	10/04/10	2010	Upper South Fork Elk River	Double fill xing just above	131	100	131	ML	M	1) Excavate from TOP to BOT and with a 4' channel width	2	PWA 2006		341	172		
15176	N53.7820	670	40	2104652929	Stream crossing	Complete	08/06/10	2010	Upper South Fork Elk River	Nearly impossible to tell if this stream	95	100	95	ML	M	1. Excavate TOP to BOT with 2:1 banks	2	PWA 2006		329	192		
15183	N53.78	196	51	1948739532	Stream crossing	Complete	10/13/10	2010	Upper South Fork Elk River	Blown xing on laarge class II.	13	100	13	ML	L	1) Excavate left and right banks 3-4' back and beyond	2	PWA 2006		201	317		
15186	N53.78	425	39.1	-566531364	Landslide	Complete	10/02/10	2010	Upper South Fork Elk River	Road fill has potential to fail into	533	60	320	ML	M	Excavate from START to STOP flags. Endhaul spoils	2	PWA 2006		341	173		
15191	U08.0865	-1	463	-448922645	Stream crossing	Complete	09/03/10	2010	Upper South Fork Elk River	An old humboldt crossing with a	207	100	207	HM	HM	Excavate TOP to BOT. Install 72" x 50' CMP at	2	PWA 2006		528	59		
15197	U08.08	37456	514	970088246	Stream crossing	Complete	08/28/10	2010	Upper South Fork Elk River	A buried 2 x 1 class III stream. A	629	100	629	HM	H	1) Excavate from TOP to BOT	3	PWA 2006		624	30		
15204	U08.08	38396	510	1998560930	Stream crossing	Complete	09/23/10	2010	Upper South Fork Elk River	A small, heavily altered class III	1138	100	1138	M	M	1) Excavate TOP to BOT 2) Install a 24" CMP	3	PWA 2006		534	58		
15205	U08.08	38546	510.1	1469345403	Stream crossing	Complete	09/27/10	2010	Upper South Fork Elk River	Large volume humboldt crossing	1821	100	1821	H	H	1) Excavate channel above future inlet (XS1 to XS5) with	2	PWA 2006		1067	4		
15206	U08.08	37986	511	-507169083	Stream crossing	Complete	09/07/10	2010	Upper South Fork Elk River	A heavily buried channel seems to	326	100	326	HM	HM	1) Excavate from TOP to BOT making sure to get down to	3	PWA 2006		420	123		
15207	U08.08	37896	512	1822322772	Stream crossing	Complete	09/02/10	2010	Upper South Fork Elk River	A failing humboldt crossing on a	485	100	485	M	HM	1) Excavate from TOP to BOT laying back TOP to inlet 2:1	3	PWA 2006		384	148		
15216	U08.76	430	529	1973827500	Stream crossing	Complete	08/10/10	2010	Upper South Fork Elk River	Skidded and filled in Class II stream.	648	100	648	M	M	Excavate crossing from TOP to BOT to replace culvert with a	2	PWA 2006		467	91		
15237	U06.08	3760	564	-1559868219	Stream crossing	Complete	09/26/10	2010	Railroad Gulch	Two small class three streams	125	100	125	HM	H	1. Clean culvert inlet 2. Place 10 yds of rip-rap	3	PWA 2006		480	87		
15244	U08.08	37496	513	1795506303	Stream crossing	Complete	09/27/10	2010	Upper South Fork Elk River	Flow diverted from above upstream.	859	100	859	HM	HM	1) Excavate from TOP to BOT, laying back side slopes 2:1	3	PWA 2006		564	47		
15246	U08	42570	546.3	838726647	Stream crossing	Complete	08/27/10	2010	Upper South Fork Elk River	Stream is very heavily buried.	751	100	751	HM	HM	Excavate TOP to BOT. Lay back side slopes 2:1 above	2	PWA 2006		647	25		
15255	U06.48	5515	237	714880149	Stream crossing	Complete	08/17/10	2010	Tom Gulch	4x8x35=41yds pe gully, channel	139	100	139	HM	HM	1. Excavate TOP to BOT, spoil locally	3	PWA 2006		494	80		
15257	U08.83	900	540	-209202834	Stream crossing	Complete	10/12/10	2010	Upper South Fork Elk River	Fill crossing has incised down	468	100	468	M	M	Excavate TOP to BOT. Lay back 2:1 above inlet (with 4'	2	PWA 2006		377	151		
15260	U08	41270	531.1	-1074131231	Landslide	Complete	09/07/10	2010	Upper South Fork Elk River	Diversion gully from site #547	482	65	313	HM	HM	Excavate deposit material (65x4x50).	2	PWA 2006		503	73		
15261	U08	40880	532	-1278130813	Landslide	Complete	08/12/10	2010	Upper South Fork Elk River	An unstable fill face has partiall	167	70	117	M	M	Excavate unstable road fill (40'w x 3'd x 25'l)= 111	2	PWA 2006		377	152		
15262	U08	37800	534	1591083514	Landslide	Complete	08/12/10	2010	Upper South Fork Elk River	The 6" headscarps that were present	5704	70	3993	H	M	Excavate unstable fill and some hillslope material 110'	3	PWA 2006		834	10		
15267	U08	38320	548	1569967212	Stream crossing	Complete	08/12/10	2010	Upper South Fork Elk River	Diverted stream flow (above road)	10	100	10	M	HM	1) Define channel above stump to keep flow in lower	3	PWA 2006		393	137		
15268	U08	46475	539.1	-710903486	Stream crossing	Complete	10/07/10	2010	Upper South Fork Elk River	Stream is most likely a humboldt	295	100	295	M	ML	Excavate from TOP to BOT and install 24" x 70' CMP at	3	PWA 2006		204	315		
15270	U08.83	1875	540.1	-1066726068	Stream crossing	Complete	10/12/10	2010	Upper South Fork Elk River	Near origin, Class III stream with	31	100	31	L	L	Excavate TOP to BOT. Lay back side slopes above inlet	3	PWA 2006		118	396		
15271	U08.83	1325	540.2	1854985443	Stream crossing	Complete	10/12/10	2010	Upper South Fork Elk River	A small, Class III fill crossing. The	4	100	4	L	L	Install an armored fill crossing by:	3	PWA 2006		115	408		
15272	U08.83	800	541	-151068607	Stream crossing	Complete	10/12/10	2010	Upper South Fork Elk River	A partially washed out fill crossing. A	226	100	226	HM	HM	1) Excavate from TOP to BOT	3	PWA 2006		503	74		
15273	U08	45900	542	-778846235	Stream crossing	Complete	10/02/10	2010	Upper South Fork Elk River	Fill crossing over 3x1 class 3 stream	211	100	211	M	HM	Excavate crossing from TOP to BOT.	2	PWA 2006		467	92		



ELK RIVER ROWD - APPENDIX D ROAD INVENTORY AND TREATMENT SCHEDULE AS OF APRIL 2015

All Road Sites\_SFMSEIK

HRC Unique ID	Road	Start Feet	Site ID	Project ID	Type of Source	Site Status	Complete Date	Completion Year	Sub-basin	Problem	Volume Future	Future Delivery	Future Yield to Stream	Erosion Potential	Treatment Immediacy	Treatment Type	Field Stream Class	Original Database	Comments	EnviroScore	Priority Rank	Year to be treated	Original Proposed Treatment Year
15274	U08	44900	543	1747513844	Stream crossing	Complete	09/08/10	2010	Upper South Fork Elk River	Small stream largely buried by Headwall swale to Class III stream.	451	100	451	M	M	Excavate TOP to BOT. Lay back side slopes 2:1, with Install 5 Rolling Dips up right road.	2	PWA 2006		377	154		
15275	U08	44450	543.1	-575122583	Ditch relief culvert	Complete	08/30/10	2010	Upper South Fork Elk River	A 4x1 class III stream with a small stream. LWD above IBR	2	100	2	ML	M	1) Excavate from TOP to BOT	3	PWA 2006		235	285		
15276	U08	38800	545	-2024146072	Stream crossing	Complete	09/05/10	2010	Upper South Fork Elk River	Skid gully more than stream valley. Two sinkholes developing in	425	100	425	HM	HM	Excavate a 4' wide channel from TOP to IBR. Lay back	2	PWA 2006		503	75		
15277	U08.83	38300	546.1	-11522114	Stream crossing	Complete	09/02/10	2010	Upper South Fork Elk River	Excavate from TOP to BOT to install a 24"x60' culvert at	80	100	80	L	L	1. Excavate sinkholes for ~20'x6'x6'	3	PWA 2006		120	393		
15278	U08	37900	546.2	-1954552259	Stream crossing	Complete	08/12/10	2010	Upper South Fork Elk River	Excavate from TOP to BOT to install a 24"x60' culvert at	212	100	212	L	ML	1. Excavate sinkholes for ~20'x6'x6'	3	PWA 2006		156	349		
15300	U06.48	1410	300.9	-1933152471	Spring	Complete	08/08/10	2010	Tom Gulch	Excavate from TOP to BOT to install a 24"x60' culvert at	27	100	27	M	ML	1. Excavate sinkholes for ~20'x6'x6'	1	PWA 2006		406	133		
15418	U08.0865	2390	C2	-539759181	Other	Complete	08/11/10	2010	Upper South Fork Elk River	Culv. Install	30	100	30	NS	None	Functioning Humboldt to be replaced by permanent culvert.	2	PALCO THP_ECP		225	297		
15460	U06.48	5310	C3	1444583831	Culvert Install	Complete	08/19/10	2010	Lower South Fork Elk River	Failed Humboldt. Prior to Oct 15; 1st year of operations:	180	100	180	H	M	Failed Humboldt crossing with large sink hole. Prior to Oct 15; 1st year of operations: Install pipe to	2	PALCO THP_ECP		585	40		
15488	U06.48	5120	SFE235	-789373902	Humboldt	Complete	08/15/10	2010	Lower South Fork Elk River	Failed Humboldt crossing with large sink hole. Prior to Oct 15; 1st year of operations: Install pipe to	213	100	213	H	M	Work shall be completed prior to Oct 15; THIRd year of	2	2008 Update		437	113		
15489	U06.4811	236	C1	-1367366587	Humboldt	Complete	08/13/10	2010	Lower South Fork Elk River	Existing functional tractor fill crossing to be converted to	133	100	133	H	M	Existing tractor fill crossing to be converted to temporary	3	2008 Update		503	76		
15490	U06.4811	513	C2	-767173086	Humboldt	Complete	08/28/10	2010	Lower South Fork Elk River	Install pipe to handle flow if water present, minimum 6"	115	100	115	H	M	Install pipe to handle flow if water present, minimum 6"	3	2008 Update		354	166		
15491	U06.4811	543	S1	442144763	Fill- Road	Complete	08/05/10	2010	Lower South Fork Elk River	Install pipe to handle flow if water present, minimum 6"	270	66	178	M	M	Prior to Oct 15; THIRd year of operations: Install pipe to	0	2008 Update		212	306		
15492	U06.4876	386	C1	-1154168159	Fill- NO Culvert	Complete	09/14/10	2010	Lower South Fork Elk River	Install pipe to handle flow if water present, minimum 6"	30	100	30	H	L	Install pipe to handle flow if water present, minimum 6"	3	2008 Update		156	350		
15493	U06.4876	1113	C2	-1718336434	Fill- NO Culvert	Complete	08/24/10	2010	Lower South Fork Elk River	Install pipe to handle flow if water present, minimum 6"	40	90	36	H	L	Prior to Oct 15; THIRd year of operations: Install pipe to	2	2008 Update		239	281		
15494	U06.4880	1190	C1	1106122167	Fill- NO Culvert	Complete	09/02/10	2010	Lower South Fork Elk River	Install pipe to handle flow if water present, minimum 6"	3	100	3	M	L	Install pipe to handle flow if water present, minimum 6"	3	2008 Update		117	400		
15495	U06.4880	2487	C2	-1726203092	Fill- NO Culvert	Complete	08/30/10	2010	Lower South Fork Elk River	Install pipe to handle flow if water present, minimum 6"	70	100	70	H	L	Prior to Oct 15; THIRd year of operations: Install pipe to	3	2008 Update		174	332		
15496	U06.4880	3589	C3	-228932294	Humboldt	Complete	08/26/10	2010	Lower South Fork Elk River	Install pipe to handle flow if water present, minimum 6"	250	100	250	H	M	Install pipe to handle flow if water present, minimum 6"	2	2008 Update		437	114		
15497	U06.4880	3789	C4	1196104482	Fill- NO Culvert	Complete	08/29/10	2010	Lower South Fork Elk River	Install pipe to handle flow if water present, minimum 6"	44	100	44	H	L	Install pipe to handle flow if water present, minimum 6"	3	2008 Update		156	351		
15499	U06.488058	250	C1	1196281494	Fill- NO Culvert	Complete	08/26/10	2010	Lower South Fork Elk River	Install pipe to handle flow if water present, minimum 6"	79	100	79	M	L	Replace the culvert 110 feet east of Point 29160. Install a	0	2008 Update		62	429		
15500	U06.488058	350	C2	-1480059809	Fill- NO Culvert	Complete	08/26/10	2010	Lower South Fork Elk River	Excavate Humboldt crossing down to natural channel	59	100	59	H	L	A plastic pipe has been installed in the recent past with	0	2008 Update		92	420		
15501	U08	29160	p1	-1161435211	Inside ditch	Complete	06/12/10	2010	Upper South Fork Elk River	Existing seasonal road with head of class III at outside	30	100	30	M	L	Minor fill failure occurring on existing seasonal road. It	3	2008 Update		135	372		
15503	U08.42	7630	s1	-1187746727	Humboldt	Complete	08/13/10	2010	Upper South Fork Elk River	The PHI review team observed a ditch relief culvert on Road	30	100	30	L	L	Work at this map point should include clean out at the culvert	3	2008 Update		118	398		
15507	U08.42	5485	R3	-1064074724	Culv.	Complete	09/11/10	2010	Upper South Fork Elk River	This crossing is located on road U08.4226 approximately	2	100	2	L	L	Site is approximately 500' past PWA site 40. Excavate to	3	2009 Update		115	409		
15508	U08.42	5570	R1	1258663358	Surface Drainage	Complete	09/11/10	2010	Upper South Fork Elk River	Prior to PWA 38 almost all of the road is gone into class II. MULCH BANKS AT OUTLET.	2	100	2	L	L	LOW PRIORITY	3	2009 Update		115	410		
15509	U08.42	5510	R2	-2087174553	Road Fill	Complete	09/11/10	2010	Upper South Fork Elk River	Excavate from TOP to BOT to install a 24" x 30' culvert with a	5	100	5	L	L		0	2009 Update		32	431		
15510	U08		WQ3	614297481	Gully	Complete	08/13/10	2010	Upper South Fork Elk River	Excavate from TOP to BOT to install a 24" x 30' culvert with a	2	100	2	M	L		0	2010 Update		35	430		
15511	U08.42	5385	WQ1	1265405091	Culv. Plug	Complete	08/26/10	2010	Upper South Fork Elk River	Excavate from TOP to BOT to install a 24" x 30' culvert with a	1	100	1	M	M		3	2010 Update		237	284		
15512	U08.4226	2000	WQ2	36645544	Culv. Plug	Complete	10/09/10	2010	Lower South Fork Elk River	Excavate from TOP to BOT to install a 24" x 30' culvert with a	2	100	2	L	L		3	2010 Update		115	411		
15515	N53.7820	770		1268926498	Fill- Road	Complete	07/29/10	2010	Upper South Fork Elk River	Excavate from TOP to BOT to install a 24" x 30' culvert with a	110	100	110	L	M		3	2010 Update		246	260		
15517	N53.782021	220		2061192782	Fill - Road	Complete	10/19/10	2010	Upper South Fork Elk River	Excavate from TOP to BOT to install a 24" x 30' culvert with a	5	100	5	M	M		0	2010 Update		155	352		
15518	U08.08		33740	-493026696	lvert Maintenar	Complete	10/15/2010	2010	Upper South Fork Elk River	Excavate from TOP to BOT to install a 24" x 30' culvert with a	2	50	1	L	L		3	2010 Update		115	412		
2058	U08.0827					Complete	7/31/2009	2009	Lower South Fork Elk River	Excavate from TOP to BOT to install a 24" x 30' culvert with a	0	0	0	NS	NS		3	2012 Update					
15026	U08.0847	2550	94	379045802	Stream crossing	Complete	07/31/09	2009	Lower South Fork Elk River	Excavate from TOP to BOT to install a 24" x 30' culvert with a	14	100	14	L	L		2	PWA 2006		199	321		
15029	U08	33646	100.1	920254517	Stream crossing	Complete	10/14/09	2009	Upper South Fork Elk River	Excavate from TOP to BOT to install a 24" x 30' culvert with a	33	100	33	L	L		3	PWA 2006		143	366		
15032	U08.0847	2900	95	1542385776	Stream crossing	Complete	07/31/09	2009	Lower South Fork Elk River	Excavate from TOP to BOT to install a 24" x 30' culvert with a	5	100	5	L	L		3	PWA 2006		115	406		
15035	U08	29277	104	1013188424	Stream crossing	Complete	10/20/09	2009	Upper South Fork Elk River	Excavate from TOP to BOT to install a 24" x 30' culvert with a	103	100	103	L	L		3	PWA 2006		151	355		
15045	U08	30433	102	628113519	Stream crossing	Complete	07/27/09	2009	Upper South Fork Elk River	Excavate from TOP to BOT to install a 24" x 30' culvert with a	3053	100	3053	ML	L		3	PWA 2006		234	287		
15162	U08.0833	2100	77.1	-1280202242	Stream crossing	Complete	08/31/09	2009	Lower South Fork Elk River	Excavate from TOP to BOT to install a 24" x 30' culvert with a	26	100	26	M	ML		3	PWA 2006		165	345		
15350	U08.0850	1250	350	891740833	Stream crossing	Complete	10/15/09	2009	Upper South Fork Elk River	Excavate from TOP to BOT to install a 24" x 30' culvert with a	253	100	253	L	L		3	PWA 2006		126	383		
15022	U08	29697	103	-1433338532	Stream crossing	Complete	10/15/08	2008	Upper South Fork Elk River	Excavate from TOP to BOT to install a 24" x 30' culvert with a	822	100	822	M	HM		3	PWA 2006		474	88		
15030	U08.0859	826	100.3	-68959002	Stream crossing	Complete	08/08/08	2008	Upper South Fork Elk River	Excavate from TOP to BOT to install a 24" x 30' culvert with a	11	100	11	L	L		3	PWA 2006		141	368		
15031	U08	31198	101	740525757	Stream crossing	Complete	10/09/08	2008	Upper South Fork Elk River	Excavate from TOP to BOT to install a 24" x 30' culvert with a	167	100	167	ML	L		3	PWA 2006		138	370		
15033	U08	30648	102.1	497886755	Stream crossing	Complete	10/15/08	2008	Upper South Fork Elk River	Excavate from TOP to BOT to install a 24" x 30' culvert with a	98	100	98	L	ML		3	PWA 2006		150	357		
15117	U06.52	2020	291	583593004	Stream crossing	Complete	09/25/08	2008	Tom Gulch	Excavate from TOP to BOT to install a 24" x 30' culvert with a	874	100	874	H	H		2	PWA 2006		840	8		
15119	U06.52	520	295	32726267	Stream crossing	Complete	09/28/08	2008	Tom Gulch	Excavate from TOP to BOT to install a 24" x 30' culvert with a	331	100	331	H	H		2	PWA 2006		660	21		
15188	U08.0868	1255	456	-1607674243	Stream crossing	Complete	06/25/08	2008	Upper South Fork Elk River	Excavate from TOP to BOT to install a 24" x 30' culvert with a	333	100	333	ML	M		2	PWA 2006		341	174		

ELK RIVER ROWD - APPENDIX D ROAD INVENTORY AND TREATMENT SCHEDULE AS OF APRIL 2015

All Road Sites\_SFMSEIK

HRC Unique ID	Road	Start Feet	Site ID	Project ID	Type of Source	Site Status	Complete Date	Completion Year	Sub-basin	Problem	Volume Future	Future Delivery	Future Yield to Stream	Erosion Potential	Treatment Immediacy	Treatment Type	Field Stream Class	Original Database	Comments	EnviroScore	Priority Rank	Year to be treated	Original Proposed Treatment Year
15189	U08.0868	1500	457	2125502718	Stream crossing	Complete	06/20/08	2008	Upper South Fork Elk River	Very small Class III. An 18" CMP is	86	100	86	L	L	Install an 18"x10' full-round downspout.	3	PWA 2006		120	388		
15208	U06.66	4900	413	-1862970140	Landslide	Complete	08/11/08	2008	Tom Gulch	Thin past/future fill failure adjacent to	148	50	74	ML	M	Excavate unstable fill 80' W x 4' D x 35' L and endhaul all	2	PWA 2006		402	135		
15210	U08.0850	4210	444	-362057491	Stream crossing	Complete	06/16/08	2008	Upper South Fork Elk River	Recently upgraded small Class III	69	100	69	L	L	Install 24"x20' full-round downspout to outlet.	3	PWA 2006		120	390		
15217	U06.66	2310	423	1691426342	Stream crossing	Complete	10/01/08	2008	Tom Gulch	A small class III stream exhibits	166	100	166	ML	ML	1) Excavate from TOP to BOT	3	PWA 2006		242	270		
15218	U08.08504308	615	441	-2116972765	Stream crossing	Complete	07/02/08	2008	Upper South Fork Elk River	A small, Class III stream cascades	38	100	38	HM	HM	1) Excavate TOP to BOT. 2) Install 24" x 50' cmp in	2	PWA 2006		411	129		
15219	U08.08504308	960	441.1	1332811877	Stream crossing	Complete	10/15/08	2008	Upper South Fork Elk River	Small Class III stream crossing	24	100	24	L	L	Excavate a broad dip 40' long x 16' wide.	2	PWA 2006		199	322		
15220	U08.0868	1000	455	1666841675	Stream crossing	Complete	06/23/08	2008	Upper South Fork Elk River	Small, Class III stream with an 18" 222' of cracks begin along road	150	100	150	ML	M	Excavate from TOP to BOT. Install a 24" x70' CMP at base	3	PWA 2006		258	244		
15221	U08.0850	4300	443	-1562433301	Landslide	Complete	06/11/08	2008	Upper South Fork Elk River	Undersized 18" CMP at a Class III	986	20	197	M	ML	Excavate unstable road and landing fill, from start to end:	3	PWA 2006		204	314		
15222	U08.0868	250	454	257701116	Stream crossing	Complete	06/19/08	2008	Upper South Fork Elk River	Emergent flow from 5' deep hole.	136	100	136	ML	ML	Excavate road fill and sediment and remove pipe	3	PWA 2006		168	343		
15223	U08.0850	3880	445	132895749	Stream crossing	Complete	06/12/08	2008	Upper South Fork Elk River	Small, vegged (ferns, hydrophylic	161	100	161	M	M	Excavate road fill and sediment from TOP to BOT.	3	PWA 2006		237	283		
15224	U08.0850	3160	447	751421985	Landslide	Complete	06/13/08	2008	Upper South Fork Elk River	2x0.5 swale above with recently	458	25	114	ML	ML	Excavate unstable road fill (165'w x 3'd x 25'l= 458 cyd)	3	PWA 2006		168	344		
15225	U08.0850	2760	448	-1056644175	Stream crossing	Complete	08/27/08	2008	Upper South Fork Elk River	Very small, recently upgraded	93	100	93	L	L	Install 1 Rolling Dip up left road, and 1 Rolling Dip up	3	PWA 2006		120	391		
15226	U08.0850	1310	448.1	-379225897	Stream crossing	Complete	06/17/08	2008	Upper South Fork Elk River	Small stream crossing with	69	100	69	L	L	1) Install critical dip on left hinge line	3	PWA 2006		120	392		
15227	U08.0850	1260	449	-188921874	Stream crossing	Complete	06/16/08	2008	Upper South Fork Elk River	Very small, recently upgraded,	114	100	114	L	L	Install one rolling dip up right road.	3	PWA 2006		126	379		
15228	U08.0850	1160	449.1	1804369210	Stream crossing	Complete	06/16/08	2008	Upper South Fork Elk River	Small class III 24" CMP stream	134	100	134	L	L	Install one rolling dip up left road.	3	PWA 2006		126	380		
15231	U08.08	33260	452	-1909115886	Stream crossing	Complete	07/31/08	2008	Upper South Fork Elk River	A large multi-level landing system in	151	100	151	M	HM	Excavate road fill from TOP to BOT and replace CMP with	3	PWA 2006		384	149		
15279	U06.66	5040	412	901353898	Stream crossing	Complete	08/11/08	2008	Tom Gulch	An area of thin, unstable road fill	434	100	434	M	H	1) Excavate from TOP to BOT laying back sideslopes 2:1	2	PWA 2006		600	34		
15282	U06.62	4450	270	1470098243	Landslide	Complete	07/26/08	2008	Tom Gulch	Pipe is seperated mid-way through	207	25	52	ML	ML	1) Excavate unstable road fill between old growth stumps	2	PWA 2006		312	203		
15283	U06.62	4550	271	767568231	Stream crossing	Complete	07/22/08	2008	Tom Gulch	A small class III stream has mostly	1474	100	1474	H	H	1) Excavate TOP to BOT to replace culvert with a 42" by	2	PWA 2006		1140	1		
15292	U06.52	3880	284	13035140	Stream crossing	Complete	09/19/08	2008	Tom Gulch	Sites 266-268 are in unstable	860	100	860	H	H	1) Excavate from TOP to BOT	2	PWA 2006		840	9		
15293	U06.62	3670	267	285369041	Stream crossing	Complete	09/18/08	2008	Tom Gulch	A small past slide on a landing.	38	100	38	HM	H	1. Excavate TOP to BOT 2. Install 24" CMP at or close	3	PWA 2006		491	84		
15294	U06.52	2900	288	-700805944	Landslide	Complete	09/25/08	2008	Tom Gulch	A small class III stream has blown	200	0.36	76	ML	ML	1. Excavate unstable landing fill (90'wx3'dx20'l)	2	PWA 2006		312	204		
15295	U06.52	2450	289	-675075915	Stream crossing	Complete	09/26/08	2008	Tom Gulch	A spring emerges from the cutbank	177	100	177	H	HM	1) Excavate from TOP to BOT	1	PWA 2006		685	19		
15296	U06.52	2070	290	-1787109830	Landslide	Complete	09/25/08	2008	Tom Gulch	A small class III enters the IB ditch	333	75	250	HM	HM	1) Excavate unstable road fill 60'w x 5'd x 25'l = 333cy	3	PWA 2006		494	81		
15297	U06.52	680	292	633678519	Stream crossing	Complete	09/26/08	2008	Tom Gulch	See notes 1999	451	100	451	H	H	1) Excavate from TOP to BOT	3	PWA 2006		578	41		
15298	U06.52	610	293	1072633761	Landslide	Complete	09/27/08	2008	Tom Gulch	A large humboldt crossing is	533	90	480	ML	M	1. Excavate material (80x6x25) from OBF between	3	PWA 2006		332	186		
15299	U06.52	610	294	-1794057696	Stream crossing	Complete	09/28/08	2008	Tom Gulch	Road fill failure with 2' headscarp	90	100	90	H	HM	1) Excavate from TOP to BOT	2	PWA 2006		540	54		
15302	U06.66	4900	414	-1688428209	Landslide	Complete	08/11/08	2008	Tom Gulch	Small stream Xing with 6" CMP that	445	70	312	M	M	Excavate unstable fill and endhaul all spoils.	2	PWA 2006		450	97		
15304	U06.62	1323	256	-279407734	Stream crossing	Complete	09/29/08	2008	Tom Gulch	A small class three stream flows onto	87	100	87	L	ML	1. Excavate TOP to BOT 2. Replace CMP with 24" and	3	PWA 2006		224	300		
15306	U06.66	1055	299	-111467672	Stream crossing	Complete	10/08/08	2008	Tom Gulch	Large deep-seated feature surrounds	4	100	4	L	M	1. Excavate TOP to BOT and lay back banks 2:1	3	PWA 2006		308	207		
15307	U06.66	4140	415	-1972549945	Stream crossing	Complete	09/22/08	2008	Tom Gulch	A small class III stream crossing.	48	100	48	H	H	1) Excavate TOP to BOT so that stream is no longer	3	PWA 2006		500	77		
15308	U06.66	3260	418	-1993183984	Stream crossing	Complete	10/10/08	2008	Tom Gulch	A moderately sized landslide	117	100	117	H	HM	1) Excavate from TOP to BOT	3	PWA 2006		518	64		
15309	U06.66	3180	419	-909344341	Landslide	Complete	10/10/08	2008	Tom Gulch	A small class III stream is visible	733	10	73	ML	ML	1) Excavate unstable road fill 90'w x 4'd x 25'l	3	PWA 2006		230	292		
15310	U06.66	3220	419.1	-1558877317	Stream crossing	Complete	10/10/08	2008	Tom Gulch	A headwall swale area above the	413	100	413	ML	ML	See site # 419 for treatment	3	PWA 2006		242	271		
15311	U06.66	1840	420	-1188293306	Landslide	Complete	10/13/08	2008	Tom Gulch	A small class III fill crossing. A small,	139	70	97	M	M	1) Excavate unstable road fill 50'w x 3'd x 25'l	3	PWA 2006		338	175		
15314	U06.62	3900	269	837094552	Stream crossing	Complete	09/29/08	2008	Tom Gulch	Spring flow emerges from cut	289	100	289	L	L	1) Excavate from TOP to BOT	3	PWA 2006		200	319		
15315	U06.62	655	255.1	236644979	Spring	Complete	09/27/08	2008	Tom Gulch	A moderate sized fill failure extends	22	100	22	M	HM	1. Cut ditch for 25' where spring emerges from cut	3	PWA 2006		410	130		
15316	U06.62	3630	268	-2123160386	Landslide	Complete	09/18/08	2008	Tom Gulch	A landing fill failure directly	259	75	194	M	M	1) Excavate unstable road fill 50'w x 4'd x 25'l	2	PWA 2006		450	98		
15317	U06.62	1800	257	-1198464821	Landslide	Complete	09/29/08	2008	Tom Gulch	Hillslope is skidded and	1022	60	613	HM	HM	1) Excavate unstable landing fill 115'w x 6'd x 25'l	3	PWA 2006		638	26		
15319	U06.62	1945	258.1	1265467377	Stream crossing	Complete	09/29/08	2008	Tom Gulch	CMP is short and sit high in fill on	335	100	335	ML	HM	1. Excavate TOP to BOT 2. Install CMP at channel	3	PWA 2006		422	120		
15320	U06.62	2492	261	-1435368610	Stream crossing	Complete	09/29/08	2008	Tom Gulch	A class III stream crossing. The inlet	43	100	43	HM	HM	1. Clean ditch for 30' on rt road reach	3	PWA 2006		431	115		
15321	U06.62	2995	263	122882421	Stream crossing	Complete	09/19/08	2008	Tom Gulch	Small class 3 fill xing has a large	158	100	158	HM	HM	1) Excavate from TOP to BOT	3	PWA 2006		494	82		
15322	U06.62	3080	263.1	-1202206830	Stream crossing	Complete	09/19/08	2008	Tom Gulch	Flow coming off skid trail is acting	93	100	93	ML	M	1. Excavate from TOP to BOT	3	PWA 2006		320	199		
15323	U06.62	3300	264	1565650599	Stream crossing	Complete	09/28/08	2008	Tom Gulch	A potential fill failure with 6" to 3'	24	100	24	M	HM	1. Excavate TOP to BOT 2. Install 24" CMP	3	PWA 2006		410	131		
15324	U06.62	3500	265	1101241503	Landslide	Complete	09/15/08	2008	Tom Gulch	A multifaceted and complex site. A	519	50	260	M	M	1) Excavate unstable road fill and spoil along the inside	2	PWA 2006		450	99		
15325	U06.62	3630	266	-1119617008	Stream crossing	Complete	09/18/08	2008	Tom Gulch		247	100	247	HM	H	1) Excavate from TOP to BOT	3	PWA 2006		554	48		

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HRC Unique ID	Road	Start Feet	Site ID	Project ID	Type of Source	Site Status	Complete Date	Completion Year	Sub-basin	Problem	Volume Future	Future Delivery	Future Yield to Stream	Erosion Potential	Treatment Immediacy	Treatment Type	Field Stream Class	Original Database	Comments	EnviroScore	Priority Rank	Year to be treated	Original Proposed Treatment Year
15327	U06.62	395	255	-1728660102	Stream crossing	Complete	09/27/08	2008	Tom Gulch	A class II with a washed out CMP	465	100	465	HM	HM	1) Excavate from TOP to BOT	2	PWA 2006		576	46		
15328	U08.085035	280	350.2	-904056531	Stream crossing	Complete	08/27/08	2008	Upper South Fork Elk River	Functioning hum xing. Holes above	260	100	260	H	HM	excavate crossing from TOP to BOT to install a 24in by 70ft	3	PWA 2006		330	189		
15332	U08.08	21000	332	-1985147874	Stream crossing	Complete	08/27/08	2008	Upper South Fork Elk River	Recently upgraded class III crossing.	77	100	77	L	L	Install 1 rolling dip up right road reach.	2	PWA 2006		228	294		
15333	U08.08	22336	333	1123564613	Stream crossing	Complete	08/27/08	2008	Upper South Fork Elk River	Recently upgraded class II crossing.	92	100	92	L	L	Install 1 rolling dip up right road reach.	2	PWA 2006		265	234		
15334	U08.08	23200	334	-1517526718	Stream crossing	Complete	08/29/08	2008	Upper South Fork Elk River	Small class III collects flow from	96	100	96	M	M	Excavate crossing from TOP to BOT to replace culvert with	3	PWA 2006		327	194		
15337	U08.085043	3928	336.1	-241585888	Stream crossing	Complete	06/18/08	2008	Upper South Fork Elk River	Small class III stream, low	66	100	66	L	L	Replace CMP with 24" x 50' long pipe and place at channel	2	PWA 2006		203	316		
15339	U08.0850	10875	350.1	-1968014258	Stream crossing	Complete	08/27/08	2008	Upper South Fork Elk River	Recently upgraded crossing. Outlet	120	100	120	L	L	Install 2 rolling dips up right road.	3	PWA 2006		126	382		
15346	U08.0850	9555	351.1	320309116	Stream crossing	Complete	06/30/08	2008	Upper South Fork Elk River	Crossing with a critical dip. Pipe is	72	100	72	L	L	cut 630ft of right ditch. Install 3 18in by 30ft long DRCs.	3	PWA 2006		120	394		
15348	U06.70	500	400	-1647438521	Stream crossing	Complete	08/19/08	2008	Tom Gulch	A low gradient swale above the	29	100	29	L	L	1) Excavate from TOP to BOT	2	PWA 2006		274	226		
15349	U06.6665	2025	409	-540421345	Stream crossing	Complete	10/10/08	2008	Tom Gulch	An at origin class III fill crossing. A	28	100	28	L	L	1) Excavate from TOP to BOT	3	PWA 2006		192	327		
15353	U06	11090	306	-1771794506	Ditch relief culvert	Complete	10/07/08	2008	Tom Gulch	The problem here is the cutbank is	0	100	0	ML	ML	Adding more road drainage structures to road reaches and	1	PWA 2006		449	100		
15372	U08.085043	736	327.1	-718197819	Stream crossing	Complete	07/01/08	2008	Upper South Fork Elk River	Dry, Class II with large volume of fill.	756	100	756	L	ML	Excavate from TOP to BOT. Replace CMP with 30" x 80'	2	PWA 2006		257	245		
15373	U06.66	415	297	1098711674	Stream crossing	Complete	10/08/08	2008	Tom Gulch	Small Humboldt Xing on a 3X1	336	100	336	ML	M	1. Excavate TOP to BOT 2. Install a 24" CMP	2	PWA 2006		414	128		
15388	U06	18000	C1	1068075870	Humboldt	Complete	09/12/08	2008	McCloud Creek	Humboldt	10	100	10	NS	None	Excavate Soil	3	PALCO THP_ECP		94	419		
15389	U06	18050	C2	92533639	Humboldt	Complete	09/10/08	2008	McCloud Creek	Humboldt	20	100	20	NS	None	Excavate Soil	3	PALCO THP_ECP		103	415		
15390	U06	18100	C3	62724284	Humboldt	Complete	09/08/08	2008	McCloud Creek	Humboldt	29	100	29	NS	None	Excavate Soil	3	PALCO THP_ECP		118	399		
15391	U06	18500	C4	259408141	Humboldt	Complete	09/05/08	2008	McCloud Creek	Humboldt	264	100	264	NS	None	Excavate Soil	3	PALCO THP_ECP		180	329		
15392	U06	18650	P2	1786028547	Fill - Road	Complete	09/03/08	2008	McCloud Creek	Fill - Road	5	100	5	L	None	Dip Critical	3	PALCO THP_ECP		85	427		
15393	U06	18700	C5	835660936	Fill - Road	Complete	09/01/08	2008	McCloud Creek	Fill - Road	67	100	67	NS	None	Excavate Soil	3	PALCO THP_ECP		132	373		
15440	U06.52	2310	P6	-1765725133	Humboldt seasonal crossing	Complete	09/25/08	2008	Lower South Fork Elk River	Failed Humboldt crossing	280	100	280	H	H	Failed Humboldt crossing. Install a temporary crossing.	3	PALCO THP_ECP		504	70		
15441	U06.52	3180	P9	-1151379047	Surface Drainage	Complete	09/23/08	2008	Lower South Fork Elk River	Failed fill crossing. Watercourse is	440	100	440	H	H	Failed fill crossing. Install a temporary crossing. The	2	PALCO THP_ECP		660	22		
15442	U06.52	4270	S5	1316995154	Permanent Crossing	Complete	09/16/08	2008	Lower South Fork Elk River	Watercourse is diverted down the road where it is eroding	30	100	30	L	L	Watercourse is diverted down the road where it is eroding	3	PALCO THP_ECP		118	397		
15443	U06.62	1615	P4	-457162279	Permanent Crossing	Complete	09/26/08	2008	Lower South Fork Elk River	Failed 18" CMP watercourse	389	100	389	M	M	Failed 18" CMP watercourse crossing. Install a temporary	3	PALCO THP_ECP		294	221		
15444	U06.62	2250	P5	-365655770	Permanent Crossing	Complete	09/23/08	2008	Lower South Fork Elk River	Failed 18" CMP watercourse	144	100	144	M	M	Failed 18" CMP watercourse crossing. Install a temporary	3	PALCO THP_ECP		330	190		
15445	U06.62	2785	P6	-773428284	Permanent Crossing	Complete	09/20/08	2008	Lower South Fork Elk River	Failed 6" culvert	29	100	29	M	M	Failed 6" culvert. Install a temporary crossing. The	3	PALCO THP_ECP		268	228		
15446	U06.66	455	P2	-1884091533	Temporary Crossing	Complete	10/08/08	2008	Lower South Fork Elk River	Fill crossing	11	100	11	M	M	Fill crossing. Install a temporary crossing. The	2	PALCO THP_ECP		336	179		
15447	U06.66	1200	P3	-58567368	dirt seasonal crossing	Complete	10/08/08	2008	Lower South Fork Elk River	Crossing	16	100	16	M	M	Road crosses a swale located just above a Class III	3	PALCO THP_ECP		253	248		
15448	U06.66	2465	P5	-447188817	dirt seasonal crossing	Complete	10/09/08	2008	Lower South Fork Elk River	Fill crossing	29	100	29	M	M	Fill crossing. Install a temporary crossing. The	3	PALCO THP_ECP		268	229		
15449	U06.66	2840	P8	-1248875374	Temporary Crossing	Complete	10/10/08	2008	Lower South Fork Elk River	Fill crossing	29	100	29	M	M	Fill crossing. Install a temporary crossing. The	3	PALCO THP_ECP		268	230		
15450	U06.66	4090	P11	-333751874	Temporary Crossing	Complete	09/22/08	2008	Lower South Fork Elk River	Fill crossing	10	100	10	M	M	Fill crossing. Install a temporary crossing. The	3	PALCO THP_ECP		244	262		
15451	U06.66	5485	P14	-1023584541	Tractor Crossing	Complete	08/08/08	2008	Lower South Fork Elk River	Failed fill crossing	20	100	20	M	M	Failed fill crossing. Excavate from top to bottom flags.	2	PALCO THP_ECP		336	180		
15452	U06.6665	2115	P5	384300660	Temporary Crossing	Complete	10/10/08	2008	Lower South Fork Elk River	Existing fill crossing	19	100	19	M	M	Existing fill crossing. Install a temporary crossing. The	3	PALCO THP_ECP		253	249		
15459	U06.52	2070	P5	-796849219	dirt seasonal crossing	Complete	09/25/08	2008	Tom Gulch	Watercourse fill crossing	189	100	189	HM	HM	Watercourse fill crossing. Install a temporary crossing.	2	PALCO THP_ECP		494	83		
15483	U06	8600	C8	209588698	Cut Bank Failure	Complete	10/08/08	2008	Lower South Fork Elk River	Cut Bank Failure	6	100	6	M	M	Excavate slumped material out of the channel and armor the	3	2008 Update		314	202		
15484	U06	10350	SFE308	-1421610531	Cut Bank Failure	Complete	10/08/08	2008	Lower South Fork Elk River	Cut Bank Failure	2	100	2	L	M	Apply rip-rap, hay, and seed to site	3	2008 Update		308	208		
15485	U06	10635	P1	1206026031	Fill- Road	Complete	10/08/08	2008	Lower South Fork Elk River	Fill- Road	1	100	1	L	L	Redirect surface runoff as feasible. Rock the rolling dip	0	2008 Update		106	413		
15486	U06	11470	SFE305	1210690238	Cut Bank Failure	Complete	10/07/08	2008	Lower South Fork Elk River	Cut Bank Failure	5	100	5	M	M	Remove sediment from the culvert downspout	3	2008 Update		311	205		
1675	U06.0825					Complete	10/6/2007	2007	Lower South Fork Elk River	Install disconnect dip	1	100	1	NS	NS		3	2012 Update		239	277		
1676	U06.0825					Complete	10/6/2007	2007	Lower South Fork Elk River	Install disconnect dip	1	100	1	NS	NS		3	2012 Update		239	278		
1704	U06.48					Complete	10/7/2007	2007	Lower South Fork Elk River		0	0	0	NS	NS		3	2012 Update					
15009	U08.4226	2397	119	-1297887195	Stream crossing	Complete	10/15/07	2007	Lower South Fork Elk River	A spring-fed stream with a tiny	94	100	94	HM	M	1) Excavate from TOP to BOT	3	PWA 2006		282	224		
15141	U08	35000	57	1286187828	Stream crossing	Complete	08/14/07	2007	Upper South Fork Elk River	This class III stream is diverted	10	100	10	M	M	1) Excavate xing from TOP flag to BOT flag with side	1	PWA 2006		408	132		
15142	U08	34400	58	2073215886	Stream crossing	Complete	08/17/07	2007	Upper South Fork Elk River	Eroding humboldt crossing on a 6x1.	319	100	319	HM	HM	1) Excavate from TOP (including aggraded sediment	2	PWA 2006		503	72		
15152	U08.67	2548	52.1	1323263780	Stream crossing	Complete	07/17/07	2007	Upper South Fork Elk River	Headwall spring and IBD contribute	36	100	36	L	L	1) Excavate crossing from TOP to BOT to install an 18in	3	PWA 2006		143	367		
15173	U08	35080	55	-1626168177	Stream crossing	Complete	08/14/07	2007	Upper South Fork Elk River	A falling bridge crossing over a	194	100	194	M	HM	1) Excavate from TOP to BOT	1	PWA 2006		577	44		
15175	U08.6723	2440	53	-1831322160	Landslide	Complete	08/13/07	2007	Upper South Fork Elk River	Past landslide with future potential.	44	100	44	M	M	Excavate perched soil. Low production rate due to	1	PWA 2006		423	117		



ELK RIVER ROWD - APPENDIX D ROAD INVENTORY AND TREATMENT SCHEDULE AS OF APRIL 2015

All Road Sites\_SFMSEIK

HRC Unique ID	Road	Start Feet	Site ID	Project ID	Type of Source	Site Status	Complete Date	Completion Year	Sub-basin	Problem	Volume Future	Future Delivery	Future Yield to Stream	Erosion Potential	Treatment Immediacy	Treatment Type	Field Stream Class	Original Database	Comments	EnviroScore	Priority Rank	Year to be treated	Original Proposed Treatment Year
15182	U08.67	4400	50	1481289218	Stream crossing	Complete	07/16/07	2007	Upper South Fork Elk River	A marginal class III stream crossing on	35	100	35	ML	ML	1) Excavate from TOP to BOT	3	PWA 2006		152	354		
15184	U08.67	3670	52	-610280797	Stream crossing	Complete	07/17/07	2007	Upper South Fork Elk River	A small class III fill crossing. A small	29	100	29	ML	M	1) Excavate from TOP to BOT	3	PWA 2006		242	265		
15190	U08.0865	900	462	1696339542	Stream crossing	Complete	08/13/07	2007	Upper South Fork Elk River	Stream has recently been	94	100	94	L	L	Install 1 rolling dip up RT rd.	3	PWA 2006		120	389		
15192	U08.08	26980	469	1082087916	Stream crossing	Complete	09/18/07	2007	Upper South Fork Elk River	Small 3x1 class 3 crossing. The	124	100	124	ML	M	1) Excavate TOP to BOT 2) Install a 24" CMP	3	PWA 2006		283	223		
15193	U08.08	27440	469.1	-1266134469	Spring	Complete	09/05/07	2007	Upper South Fork Elk River	Spring flows across road,	1	100	1	M	HM	1) Install 18" x 40" DRC 2) Install a 20' downspout	3	PWA 2006		352	167		
15194	U08.08	26320	470	2097260407	Stream crossing	Complete	09/18/07	2007	Upper South Fork Elk River	Small class 3 stream crossing	142	100	142	L	M	1) Excavate road fill from TOP to BOT.	2	PWA 2006		391	138		
15195	U08.08	24309	471	1141413410	Stream crossing	Complete	09/18/07	2007	Upper South Fork Elk River	This is a recently upgraded class 2	132	100	132	L	L	1) Install 6 rolling dips up the right road reach.	2	PWA 2006		209	310		
15199	U08.08	32900	453	-1436236779	Stream crossing	Complete	08/24/07	2007	Upper South Fork Elk River	A small class III stream crossing	88	100	88	M	M	1. Excavate TOP to BOT 2. Install a 24" CMP	3	PWA 2006		264	239		
15230	U08.08	33740	450	1809905188	Stream crossing	Complete	08/25/07	2007	Upper South Fork Elk River	See original site sheet. A 4' hole	124	100	124	L	L	Excavate crossing from TOP to BOT to replace culvert with 24"	3	PWA 2006		126	381		
15232	U08.08	36117	515	-1621160572	Stream crossing	Complete	08/25/07	2007	Upper South Fork Elk River	Upgraded channel. Approach to CMP	144	100	144	L	L	1) Excavate TOP to BOT. 2) Replace pipe with 24"x70"	2	PWA 2006		209	311		
15252	U08.69	1250	5000	854990120	Stream crossing	Complete	07/25/07	2007	Upper South Fork Elk River	A 1 x 1 converges with a 3 x 1 at this	155	100	155	M	ML	1) Excavate from TOP to BOT	3	PWA 2006		267	232		
15253	U08.69	1000	5001	-1365923557	Stream crossing	Complete	07/25/07	2007	Upper South Fork Elk River	Small 2x0.5 flows down cutbanks	30	100	30	M	L	1) Lay back banks 2:1 for decomm. Plug access to ditch.	3	PWA 2006		260	240		
15254	U08.69	650	5002	809078411	Stream crossing	Complete	08/13/07	2007	Upper South Fork Elk River	A small, 1' x 0.5' class III stream	274	100	274	ML	L	1) Excavate TOP to BOT 2) Lay back side slopes 2:1	1	PWA 2006		368	157		
15258	U08.08	35345	518	232303584	Stream crossing	Complete	08/25/07	2007	Upper South Fork Elk River	A poorly upgraded stream crossing.	460	100	460	M	M	1) Excavate TOP to BOT 2) Install 24" CMP	3	PWA 2006		294	220		
15291	U06.48	490	303	1488896138	Stream crossing	Complete	10/07/07	2007	Tom Gulch	Survey top is at extreme edge of	521	100	521	HM	H	1. Excavate from TOP to BOT - archive depth to natural grade.	2	PWA 2006		780	12		
15301	U06.48	1217	301	314482787	Stream crossing	Complete	10/15/07	2007	Tom Gulch	Class 3 stream valley is full of	322	100	322	HM	M	1. Excavate from TOP flag upslope -90' to IBR at natural	3	PWA 2006		404	134		
15312	U08.08	35160	519	1770074399	Stream crossing	Complete	08/25/07	2007	Upper South Fork Elk River	Very small, near origin, Class III	9	100	9	L	L	Install armored fill crossing by:	3	PWA 2006		115	405		
15326	U06.48	490	304	-1102044859	Stream crossing	Complete	10/07/07	2007	Tom Gulch	Washed out class 2/3 stream xing	294	100	294	M	H	1. Excavate from TOP to BOT	2	PWA 2006		600	35		
15329	U08.08	20220	330	-434112599	Stream crossing	Complete	07/24/07	2007	Upper South Fork Elk River	Recently upgraded class III stream.	23	100	23	L	L	1) Install 2 rolling dips up left road.	3	PWA 2006		141	369		
15331	U08.08	20420	331	1518873087	Stream crossing	Complete	07/24/07	2007	Upper South Fork Elk River	Class II stream crossing.	120	100	120	L	L	Install 3 rolling dips.	2	PWA 2006		234	288		
15336	U08.085043	3150	336	-668904014	Stream crossing	Complete	08/29/07	2007	Upper South Fork Elk River	Culvert is undersized and	197	100	197	L	M	1) Excavate TOP to BOT to replace culvert with a 48" by	2	PWA 2006		329	193		
15338	U06.62	1090	302	-1006608330	Stream crossing	Complete	10/06/07	2007	Tom Gulch	Open channel width under bridge	22	100	22	M	ML	1) Remove old stringer bridge.	3	PWA 2006		230	293		
15382	U06	4170	C1	1475564225	Fill - Road	Complete	06/08/07	2007	Lower South Fork Elk River	Fill - Road	196	100	196	L	None	Culv. Install	3	PALCO		96	417		
15394	U06.0825	6300	S1	1030487673	Fill - Road	Complete	10/12/07	2007	Railroad Gulch	Fill - Road	120	100	120	M	None	Excavate Soil	3	PALCO		144	363		
15409	U08.08	28390	C13	-570321324	No Problem	Complete	08/31/07	2007	Upper South Fork Elk River	No Problem	0	100	0	Med	None	Culv. Install	3	PALCO		84	428		
15410	U08.08	28490	C14	1123704678	Culv.-Ditch Relief	Complete	08/30/07	2007	Upper South Fork Elk River	Culv.-Ditch Relief	10	100	10	L	None	Culv. Ditch Relief	4	PALCO		85	424		
15411	U08.08	32410	C16	-537842684	Culv.	Complete	08/30/07	2007	Upper South Fork Elk River	Culv.	5	100	5	H	None	Culv. Replace	3	PALCO		90	422		
15412	U08.085043	50	P1	-1888106659	Surface Drainage	Complete	10/01/07	2007	Upper South Fork Elk River	Surface Drainage	5	100	5	H	None	Dip Rolling	0	PALCO		173	334		
15413	U08.085043	100	P2	-820930214	Surface Drainage	Complete	10/01/07	2007	Upper South Fork Elk River	Surface Drainage	5	100	5	H	None	Dip Rolling	0	PALCO		173	335		
15416	U08.0859	3480	C1	-1407009153	Culv.	Complete	09/18/07	2007	Upper South Fork Elk River	Culv.	266	100	266	H	None	Culv. Replace	3	PALCO		267	233		
15420	U08.0874	200	C1	-1635472405	Humboldt	Complete	08/24/07	2007	Upper South Fork Elk River	Humboldt	423	100	423	M	None	Culv. Install	3	PALCO		144	364		
15434	U08.6723	2690	PWA56.1	-1895203261	Humboldt	Complete	08/10/07	2007	Upper South Fork Elk River	Humboldt	16	100	16	NS	None	Excavate Soil	1	PALCO		421	121		
15453	U06	8380	A1	1473485473	Culvert Maintenance	Complete	10/01/07	2007	Tom Gulch	Failing fill	7	14	1			Road is rocked but due to soft areas in road even pickup	3	PALCO		375	155		
15454	U06	8600	A2	-799091634	Culvert Maintenance	Complete	10/01/07	2007	Tom Gulch	Failing fill	50	12	6			Road is rocked but due to soft areas in road even pickup	3	PALCO		442	107		
15455	U06	8985	A3	-521574985	Culvert Maintenance	Complete	10/01/07	2007	Tom Gulch	Failing fill	50	16	8			Road is rocked but due to soft areas in road even pickup	3	PALCO		442	108		
15456	U06	11470	A4	1428769580	Culvert Maintenance	Complete	10/01/07	2007	Tom Gulch	Failing fill	50	6	3			Road is rocked but do to soft areas in road even pickup	3	PALCO		337	177		
15457	U06.48	1100	P3	1098740638	Permanent Crossing	Complete	10/06/07	2007	Tom Gulch	Log stringer bridge	47	21	10			Pull old log stringer bridge. Slope back side slopes to 2:1.	1	PALCO		485	86		
15487	U06.48	1090	SFE302	-1006608330	Bridge	Complete	10/06/07	2007	Lower South Fork Elk River	Bridge	22	100	22	M	ML	1) Remove old stringer bridge.	1	2008 Update		324	197		
1741	U06				Surface Erosion	Complete	10-Jul-06	2006	Tom Gulch	3.11467039			100							389	140		
1743	U06				Surface Drainage	Complete	21-Jul-06	2006	Tom Gulch	3.11467039			100							419	124		
1744	U06				Surface Drainage	Complete	28-Jul-06	2006	Tom Gulch	3.11467039			100							419	125		
1753	N53.61					Complete	10/4/2006	2006	Upper South Fork Elk River	Install Bridge	0	0	0	NS	NS		1	2012 Update					
1754	N53.61					Complete	10/4/2006	2006	Upper South Fork Elk River		0	0	0	NS	NS		3	2012 Update					
15144	U08.63	4936	60	-777399268	Stream crossing	Complete	10/15/06	2006	Lower South Fork Elk River	Newly upgraded crossing. OBF	205	100	205	L	L	Install one rolling dip to right approach. Rock road surface	3	PWA 2006		126	377		
15145	U08.63	4325	61	706940612	Stream crossing	Complete	10/15/06	2006	Lower South Fork Elk River	A recently, well constructed stream	157	100	157	L	L	Install one rolling dip to left.	2	PWA 2006		209	309		
15147	U08.63	3207	62	86082833	Stream crossing	Complete	10/15/06	2006	Lower South Fork Elk River	Class II stream with low flow in	321	100	321	ML	ML	Outslope and remove ditch for 90'. Install 3 rolling dips.	2	PWA 2006		251	252		



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HRC Unique ID	Road	Start Feet	Site ID	Project ID	Type of Source	Site Status	Complete Date	Completion Year	Sub-basin	Problem	Volume Future	Future Delivery	Future Yield to Stream	Erosion Potential	Treatment Immediacy	Treatment Type	Field Stream Class	Original Database	Comments	EnviroScore	Priority Rank	Year to be treated	Original Proposed Treatment Year
15148	U08.68	2512	63	-910954039	Stream crossing	Complete	10/15/06	2006	Lower South Fork Elk River	very small class III stream that has	69	100	69	L	L	Install critical dip on right hinge.	3	PWA 2006		120	387		
15202	N53.6181	970	478	-1990173002	Stream crossing	Complete	06/06/06	2006	Upper South Fork Elk River	See original site form.	6	100	6	L	L	1) Excavate fill out of crossing to install a 24"x 40' CMP at	2	PWA 2006		198	324		
15203	N53.6181	750	478.1	-860610765	Stream crossing	Complete	06/06/06	2006	Upper South Fork Elk River	Ephemeral stream maybe diverted	3	100	3	L	L	1) Excavate crossing from TOP to BOT to install a	3	PWA 2006		115	407		
15313	U06	13155	254	1098199037	Stream crossing	Complete	09/13/06	2006	Tom Gulch	The channel is actively eroding	678	100	678	HM	H	1) Excavate from TOP to BOT	2	PWA 2006		780	13		
15351	U06	9225	313	1523177649	Stream crossing	Complete	08/17/06	2006	Tom Gulch	A smaller crossing volume than most	141	100	141	M	M	1) Excavate from TOP to BOT	1	PWA 2006		535	55		
15352	U06	11470	305	-589525847	Stream crossing	Complete	09/06/06	2006	Tom Gulch	This channel is aggraded for 42'	184	100	184	H	H	1) Excavate from TOP to BOT	3	PWA 2006		578	42		
15354	U06	10950	307	700256328	Landslide	Complete	09/15/06	2006	Tom Gulch	Past roadfill failure with future	111	100	111	M	M	Excavate toe of landslide-excavate down to high water	1	PWA 2006		535	56		
15356	U06	10350	308	880967117	Stream crossing	Complete	08/25/06	2006	Tom Gulch	A steeply confined channel. An 18"	270	100	270	H	H	1) Excavate from TOP to BOT	3	PWA 2006		578	43		
15357	U06	10040	308.3	-868286340	Ditch relief culvert	Complete	09/15/06	2006	Tom Gulch	Low road gradient, but high springflow	2	100	2	L	L	1) Replace existing DRC with an 18" x 40' DRC set in at	1	PWA 2006		356	165		
15358	U06	9775	308.4	995103303	Stream crossing	Complete	09/15/06	2006	Tom Gulch	This stream flows subsurface and is	82	100	82	L	ML	1) Excavate from TOP to BOT	1	PWA 2006		391	139		
15360	U06	12045	310	-1471494401	Stream crossing	Complete	09/15/06	2006	Tom Gulch	A large fill crossing on a small class III	1075	100	1075	ML	ML	1) Excavate from TOP to BOT	3	PWA 2006		338	176		
15365	U06	8880	314.1	1747368843	Landslide	Complete	08/11/06	2006	Tom Gulch	Sidecast fill is unstable and is	347	80	278	HM	H	1) Excavate from START flag 80' to REC of site #314, 6'	1	PWA 2006		721	14		
15367	U06	8180	316	-1953476828	Stream crossing	Complete	07/31/06	2006	Tom Gulch	The channel is filled with large	1062	100	1062	M	M	1) Excavate from TOP to BOT	3	PWA 2006		608	32		
15368	U06	7790	317	-1203890810	Stream crossing	Complete	07/27/06	2006	Tom Gulch	The CMP does not carry flow. Flow	208	100	208	M	M	1) Excavate from TOP to BOT	3	PWA 2006		368	161		
15369	U06	7140	318	1378493402	Stream crossing	Complete	07/19/06	2006	Tom Gulch	A small class III flows down heavily	397	100	397	ML	ML	1) Excavate from TOP to BOT	3	PWA 2006		242	272		
15370	U06	6810	319	1097698269	Stream crossing	Complete	07/19/06	2006	Tom Gulch	Located across from turbidity	53	100	53	HM	H	1) Excavate from TOP to BOT	3	PWA 2006		506	66		
15378	N53.61	2010	C1	1524241727	Humboldt	Complete	09/26/06	2006	Upper South Fork Elk River	Humboldt	184	100	184	H	None	Excavate Soil	2	PALCO THP_ECP		287	222		
15379	N53.61	2725	2725	1008285722	Humboldt	Complete	09/28/06	2006	Upper South Fork Elk River	Humboldt	1269	100	1269	H	H	Excavate Soil	2	PALCO THP_ECP		1067	5		
15380	N53.61	3925	3925	1008287114	Humboldt	Complete	09/23/06	2006	Upper South Fork Elk River	Humboldt	156	100	156	H	HM	Culv. Remove	2	PALCO THP_ECP		527	61		
15381	N53.61	4800	P1	1009538580	Humboldt	Complete	09/20/06	2006	Upper South Fork Elk River	Humboldt	278	100	278	H	H	Excavate Soil	2	PALCO THP_ECP		587	39		
15383	U06	7260	C3	-298986088	Other	Complete	07/21/06	2006	Tom Gulch	Other	1949	100	1949	M	None	Culv. Install	3	PALCO THP_ECP		458	94		
15384	U06	8380	C7	1148731733	Culv.	Complete	08/02/06	2006	Tom Gulch	Culv.	251	100	251	NS	None	Culv. Replace	3	PALCO THP_ECP		254	247		
15386	U06	8985	C9	-2029135504	Culv.	Complete	08/15/06	2006	Tom Gulch	Culv.	274	100	274	M	None	Culv. Replace	3	PALCO THP_ECP		218	304		
15387	U06	9525	C11	-982901474	Culv.	Complete	08/21/06	2006	Tom Gulch	Culv.	59	100	59	L	L	Culv. Replace	3	PALCO THP_ECP		194	325		
11461	U08.6367					Complete	8/31/2005	2005	Upper South Fork Elk River		0	0	0	NS	NS		3	2012 Update					
15037	U08.36	8550	111		Stream crossing	Complete	8/5/2005	2005	Upper South Fork Elk River	A decommissioned stream crossing.	2	100	2	M	None	No treat	3	PWA 2006		237	282		
15038	U08.36	9100	112		Stream crossing	Complete	8/6/2005	2005	Upper South Fork Elk River	A well-pulled crossing.	0	100	0	L	None	No treat	3	PWA 2006					
15039	U08.36	11400	113	-512547288	Stream crossing	Complete	06/30/05	2005	Upper South Fork Elk River	A very small stream with sub-	48	100	48	L	ML	Excavate TOP to BOT. Install 24"x60' CMP at channel	3	PWA 2006		173	333		
15421	U08.36	9000	C1	1035925733	Humboldt	Complete	08/13/05	2005	Upper South Fork Elk River	Humboldt	125	100	125	NS	None	Excavate Soil	3	PALCO THP_ECP		180	330		
15422	U08.42	1500	C1	-294683070	Humboldt	Complete	08/09/05	2005	Lower South Fork Elk River	Humboldt	63	100	63	NS	None	Culv. Install	3	PALCO THP_ECP		132	374		
15423	U08.63	1670	C1	1713443101	No Problem	Complete	08/13/05	2005	Upper South Fork Elk River	No Problem	10	100	10	L	None	Culv. Install	3	PALCO THP_ECP		85	425		
15424	U08.63	1950	C2	973800730	Humboldt	Complete	07/08/05	2005	Upper South Fork Elk River	Humboldt	120	100	120	NS	None	Culv. Install	3	PALCO THP_ECP		180	331		
15425	U08.63	1950	S1	974389095	Gully	Complete	08/13/05	2005	Upper South Fork Elk River	Gully	20	100	20	L	None	Other	3	PALCO THP_ECP		86	423		
15426	U08.63	2160	P1	801828345	Other	Complete	08/13/05	2005	Upper South Fork Elk River	Other	2	100	2	NS	None	Other	0	PALCO THP_ECP		6	433		
15427	U08.63	2300	C3	431590086	Humboldt	Complete	07/14/05	2005	Upper South Fork Elk River	Humboldt	90	100	90	NS	None	Culv. Install	2	PALCO THP_ECP		215	305		
15428	U08.63	2450	C4	-1949611825	No Problem	Complete	09/07/05	2005	Upper South Fork Elk River	No Problem	10	100	10	L	None	Culv. Install	3	PALCO THP_ECP		85	426		
15429	U08.63	3100	C5	-1629108636	Bridge	Complete	08/13/05	2005	Upper South Fork Elk River	Bridge	5	100	5	M	None	Culv. Install	2	PALCO THP_ECP		170	336		
15430	U08.63	4096	C6	-1164170269	Humboldt	Complete	09/07/05	2005	Upper South Fork Elk River	Humboldt	420	100	420	M	None	Culv. Install	3	PALCO THP_ECP		144	365		
15431	U08.63	4481	C7	-425613080	Gully	Complete	08/25/05	2005	Upper South Fork Elk River	Gully	12	100	12	M	None	Culv. Install	3	PALCO THP_ECP		14	432		
15432	U08.63	4677	C8	2049646793	Humboldt	Complete	09/06/05	2005	Upper South Fork Elk River	Humboldt	14	100	14	M	None	Culv. Install	3	PALCO THP_ECP		96	418		
15433	U08.63	5500	C9	-39215708	Humboldt	Complete	08/25/05	2005	Upper South Fork Elk River	Humboldt	45	100	45	M	None	Excavate Soil	3	PALCO THP_ECP		105	414		
15519	U08.08	34830	519.2	735133465	Invert Maintenar	Complete	10/15/2010	2010	Upper South Fork Elk River	Culvert Maintenance	2	100	2	L	L	1) BANK SLOUGHING ABOVE ROAD INTO CHANNEL.	2	2010 Update					
11714	U06.0825	3700	S1	-405886763	Road surface	Pending			Lower South Fork Elk River	sink holes	5	100	5	L	L	excavate sinkhole and backfill with rock	3					2015	
11717	U06.0825	4700	S2	927140722	Road surface	Pending			Lower South Fork Elk River	road surfacing	5	100	5	L	L	rock dip	3					2015	
11977	U06.0825	5400		46306640	seep	Pending			Lower South Fork Elk River	road surfacing	5	100	5	M	M	cross drain						2015	
15234	U06.0825	6969	807.1	-919697699	Stream crossing	Pending			Railroad Gulch	A very low flow class III flows	41	100	41	L	L	1) Install a critical dip on left hinge	3	PWA 2006		118	395	2015	2017

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15242	U06.0825	4795	806.1	1182108339	Stream crossing	Pending			Railroad Gulch	A wet, marshy low spot in the road. A	13	100	13	ML	ML	1) Create a broad dip 60' x 20' w x 1' d	3	PWA 2006		149	359	2015	2017
15243	U06.0825	5326	806.2	-1999328951	Landslide	Pending			Railroad Gulch	A compound site: 1) Unstable fill in	104	90	94	M	M	1) Excavate unstable road fill from swale area above stream	3	PWA 2006		264	236	2015	2017
15248	U06.0825	7465	807.3	368796655	Stream crossing	Pending			Railroad Gulch	A low flow, gentle gradient class III	120	100	120	ML	ML	1) Excavate from TOP to BOT	3	PWA 2006		168	339	2015	2017
15249	U06.0825	8345	809.1	1236880132	Stream crossing	Pending			Railroad Gulch	A small partially pulled class III fill	6	100	6	L	ML	1) Excavate from TOP to BOT	3	PWA 2006		145	360	2015	2017
15240	U06.082517	-1	803.5	-1057662685	Stream crossing	Pending			Railroad Gulch	A small, near origin class III	1796	100	1796	ML	ML	1) Excavate from TOP to excavation BOT (XS6)	2	PWA 2006		347	169	2015	2017
11715	U06.221689	845	C1	1075078896	Stream crossing	Pending			Lower South Fork Elk River	sink holes	5	100	5			Existing crossing near the top of a class III watercourse.	3	2012		NA	NA	2015	2014
15094	U08.36	2200	131	440072993	Stream crossing	Pending			Lower South Fork Elk River	A small class III stream with	76	100	76	H	H	1) Excavate from TOP to BOT	3	PWA 2006		444	104	2015	2015
15095	U08.36	2525	131.1	1357525775	Stream crossing	Pending			Lower South Fork Elk River	An ephemeral class III stream	606	100	606	M	ML	1) Excavate TOP to BOT	3	PWA 2006		294	211	2015	2014
15096	U08.36	2600	131.2	1328106939	Landslide	Pending			Lower South Fork Elk River	A small fill failure approximately 75'	677	10	68	ML	M	1) Excavate unstable road fill as follows: approximately 90'w	3	PWA 2006		246	255	2015	2014
15105	U08.36	3900	128	-1856130118	Stream crossing	Pending			Lower South Fork Elk River	A moderate sized fill crossing. A	227	100	227	H	H	1) Excavate from TOP to BOT	3	PWA 2006		504	68	2015	2014
15126	U08.36	3400	130	763004670	Spring	Pending			Lower South Fork Elk River	Spring flow emerging from	10	100	10	HM	HM	1) Excavate down to a depth enough to capture flow	3	PWA 2006		334	181	2015	2014
15128	U08.36	3800	129	-77371193	Landslide	Pending			Lower South Fork Elk River	A landslide along a 4 x 1 class III	189	30	57	ML	ML	1) Excavate unstable road fill as follows 170'w x 2'd x 15'l	2	PWA 2006		239	279	2015	2014
15135	U08.36	1500	125	-1989037133	Stream crossing	Pending			Lower South Fork Elk River	Heavily altered class III stream.	186	100	186	H	H	1. Excavate TOP to BOT	3	PWA 2006		504	69	2015	2014
15137	U08.36	3975	127	204549401	Stream crossing	Pending			Lower South Fork Elk River	A 3 x 1 class III stream is partially	77	100	77	H	H	2. Install a 36" x 90' long	3	PWA 2006		504	69	2015	2014
15097	U08.36	706	132.1	-637701653	Stream crossing	Pending			Lower South Fork Elk River	At origin class III stream. OBF is	79	100	79	H	HM	1) Excavate from TOP to BOT	3	PWA 2006		444	105	2015	2014
9065	U08.36	3200	c1	1410879897	Stream crossing	Pending			Lower South Fork Elk River		25	100	25	L	L	1) Create a broad dip 40' x 20'w	3	PWA 2006		384	143	2015	2015
15011	U08.424610	4450	124	-495665713	Stream crossing	Pending			Lower South Fork Elk River	Two small class III streams	35	100	35	HM	HM	1) Excavate TOP to BOT. 2) Install a 36" CMP in	3	PWA 2006		358	164	2015	2014
15196	N53.615330	900	472	960836396	Stream crossing	Pending			Upper South Fork Elk River	See original site form.	6	100	6	L	L	1) Excavate from TOP to BOT with a 4' channel width for	3	PWA 2006		115	403	2015	2013
15209	N53.615330	500	473	74087380	Stream crossing	Pending			Upper South Fork Elk River	See original site form.	25	100	25	L	L	Excavate from TOP to BOT and spoil locally.	3	PWA 2006		116	401	2015	2013
15118	U06.08	7495	812	1492896836	Landslide	Pending			Railroad Gulch	This compound feature	1250	50	625	M	M	1) Excavate unstable road fill 80'w x 4'd x 40'l (length is 25')	3	PWA 2006		384	142	2015	2015
15211	U06.08	6266	810.6	665239745	Spring	Pending			Railroad Gulch	Major spring eliminates from	0	100	0	ML	L	1. Outslope and remove ditch for 400'	3	PWA 2006		115	404	2015	2015
15236	U06.08	3540	562.1	-391144363	Spring	Pending			Railroad Gulch	High flow from multiple springs	6	100	6	M	L	1) Outslope and retain IB ditch for 200' up left road	3	PWA 2006		120	386	2015	2015
15238	U06.08	3828	565	-1936308550	Stream crossing	Pending			Railroad Gulch	A very small class III stream. The	121	100	121	ML	ML	1) Install a critical dip on the right hinge	3	PWA 2006		168	337	2015	2015
15239	U06.08	-1	566.1	2061190378	Stream crossing	Pending			Railroad Gulch	A small class III crossing near the	183	100	183	ML	ML	1) Excavate from TOP to BOT	3	PWA 2006		168	338	2015	2015
15250	U06.08	6095	810.5	469223349	Stream crossing	Pending			Railroad Gulch	Low flow class three located near	76	100	76	ML	ML	1. Excavate from TOP to BOT.	3	PWA 2006		156	347	2015	2015
15251	U06.08	6895	811.1	-1405437742	Landslide	Pending			Railroad Gulch	A past fill failure with delivery to a	222	10	22	ML	ML	1) Excavate unstable road fill 50'w x 3'd x 25'l = 139 x 1.2 =	3	PWA 2006		149	358	2015	2015
15241	U06.0825	3900	806	-1144773498	Stream crossing	Pending			Railroad Gulch	A very, very low flow class III	42	100	42	L	L	1) Outslope and remove ditch for 80' to the right	2	PWA 2006		201	318	2017	2017
15247	U06.0825	7240	807.2	1575560806	Spring	Pending			Railroad Gulch	A spring just above the	1	100	1	L	ML	1) Clean/cut IB ditch for 180' up right road	3	PWA 2006		145	362	2017	2017
15256	U06.0825	5819	806.3	1795568504	Road surface	Pending			Railroad Gulch	A long road reach drains the road	9	50	4	ML	ML	1) Outslope and remove ditch for 750' up right road	3	PWA 2006		145	361	2017	2017
15012	U06.22	3885	166	1956574150	Stream crossing	Pending			Tom Gulch	This small stream originates close to	56	100	56	HM	HM	1) Excavate from TOP to BOT	3	PWA 2006		446	101	2015	2015
15013	U06.22	4175	167	1395610263	Stream crossing	Pending			Tom Gulch	Small class 3 with altered stream	162	100	162	ML	M	1. Excavate TOP to BPOT	3	PWA 2006		332	182	2015	2015
15015	U06.22	5755	169	-905701226	Stream crossing	Pending			Tom Gulch	A small stream with a few	125	100	125	ML	ML	2) Install a 24" CMP	3	PWA 2006		242	266	2015	2015
15021	U06.22	4607	168	373632652	Spring	Pending			Tom Gulch	A spring is carrying significant	28	100	28	ML	M	1) Install an 18" x 60" DRC at spring	3	PWA 2006		316	201	2015	2015
15098	U06.22	3754	165	1539994532	Landslide	Pending			Tom Gulch	A small past fill failure. Most has	67	25	17	L	ML	1) Excavate unstable road fill 30'w x 3'd x 20'l = 67cy	3	PWA 2006		220	302	2015	2015
15099	U06.22	2160	165.1	1452953788	Stream crossing	Pending			Tom Gulch	A small class 3 has created large	20	100	20	HM	HM	1. Excavate TOP to BOT	3	PWA 2006		417	127	2015	2015
15160	U06.22	6397	169.1	-1542663038	Stream crossing	Pending			Tom Gulch	A small stream class 3 fill	159	100	159	ML	M	2. Install a 24" CMP	3	PWA 2006		332	183	2015	2015
15161	U06.22	7034	170	-1401219766	Stream crossing	Pending			Tom Gulch	See comments from past site	24	100	24	H	HM	1. Cut left IBD for 100ft to capture spring flow	3	PWA 2006		422	118	2015	2015
15058	U06.28	5075	206	49291429	Stream crossing	Pending			Tom Gulch	A small class III crossing with a	658	100	658	HM	HM	1) Excavate from TOP to BOT	3	PWA 2006		663	20	2015	2015
15087	U06.28	6508	200	-902490714	Stream crossing	Pending			Tom Gulch	A small class III flows up to 8'	258	100	258	M	M	1) Excavate from TOP to BOT	3	PWA 2006		368	159	2015	2015
15088	U06.28	6409	201	-1521904234	Stream crossing	Pending			Tom Gulch	A fill crossing with lots of LWD, but	184	100	184	HM	HM	1) Excavate from TOP to BOT	3	PWA 2006		494	79	2015	2015
15089	U06.28	5878	203	567545695	Stream crossing	Pending			Tom Gulch	A small Class 3 Humboldt	75	100	75	HM	HM	Excavate TOP to BOT. Transition above TOP to	3	PWA 2006		446	103	2015	2015
15090	U06.28	5176	205	-1261040204	Stream crossing	Pending			Tom Gulch	A crossing with a plugged CMP.	375	100	375	H	HM	1) Clear channel of LWD above TOP	3	PWA 2006		543	52	2015	2015
15016	U06.2880	1450	178	-397470113	Stream crossing	Pending			Tom Gulch	A small class III fill crossing. The	72	100	72	ML	ML	Excavate TOP to BOT and install a 24" CMP. Armor lower	3	PWA 2006		230	290	2015	2015
15017	U06.2880	790	180	-2060923647	Stream crossing	Pending			Tom Gulch	Small class III stream flows	97	100	97	HM	HM	Excavate TOP to BOT and install CMP at channel grade.	3	PWA 2006		446	102	2015	2015
15025	U06.2880	1690	177.1	-1476307178	Landslide	Pending			Tom Gulch	Small fill failure on OBF directly	233	75	175	M	M	Excavate unstable road fill: 105'W x 3'D x 20'L (ave).	3	PWA 2006		368	158	2015	2015
15027	U06.2880	1625	177	-1566613737	Stream crossing	Pending			Tom Gulch	Stream comes down from	45	100	45	H	HM	Install an armored fill xing. Make a broad dip 40 ft long	3	PWA 2006		440	109	2015	2015

ELK RIVER ROWD - APPENDIX D ROAD INVENTORY AND TREATMENT SCHEDULE AS OF APRIL 2015

All Road Sites\_SFMSEIK

HRC Unique ID	Road	Start Feet	Site ID	Project ID	Type of Source	Site Status	Complete Date	Completion Year	Sub-basin	Problem	Volume Future	Future Delivery	Future Yield to Stream	Erosion Potential	Treatment Immediacy	Treatment Type	Field Stream Class	Original Database	Comments	EnviroScore	Priority Rank	Year to be treated	Original Proposed Treatment Year
15065	U06.2880	2337	176	1479696652	Stream crossing	Pending			Tom Gulch	Stream is buried by large landslide.	358	100	358	HM	HM	Excavate TOP to BOT and install CMP. Transition	3	PWA 2006		494	78	2015	2015
15185	U06.2880	1310	173	-888416483	Stream crossing	Pending			Tom Gulch	A small class III meanders thru a	204	100	204	ML	HM	1) Excavate TOP to BOT. 2) Install 24" CMP 70' long.	3	PWA 2006		422	119	2015	2015
15047	U06.35	670	221.5	-397938129	Spring	Pending			Tom Gulch	Old diversion gully upslope now	13	100	13	HM	M	1. Install 18"x-100' DRC and install at same time as	3	PWA 2006		352	168	2017	2017
15048	U06.35	623	222	780462939	Stream crossing	Pending			Tom Gulch	Stream crossing is largely washed	417	100	417	H	HM	1. Grade channel and widen oversteeped side slopes.	3	PWA 2006		543	53	2017	2017
15049	U06.35	383	222.1	1852640256	Stream crossing	Pending			Tom Gulch	Humboldt or fill Xing with	157	100	157	ML	ML	1. Excavate from TOP to BOT and install 24"x80' cmp in	3	PWA 2006		267	231	2017	2017
15079	U06.35	778	221	-238421246	Stream crossing	Pending			Tom Gulch	Small class 3 stream is diverting	138	100	138	HM	HM	1. Excavate TOP to BOT at straight line grade and install	3	PWA 2006		519	62	2017	2017
15359	U06.61	670	309	1241607551	Stream crossing	Pending			Tom Gulch	SEE OLD SITE SHEET	107	100	107	ML	ML	1. Excavate TOP to BOT and install 24" cmp in channel	2	PWA 2006		324	195	2017	2017
15063	U06.6107	1034	251.2	-97849024	Stream crossing	Pending			Tom Gulch	Minor class 3 in shallow above	156	100	156	ML	M	1. Excavate from TOP to BOT and install 24" cmp in channel	3	PWA 2006		332	184	2017	2017
15064	U06.6107	690	252.1	1506629476	Spring	Pending			Tom Gulch	Spring flow and diverted flow from	59	100	59	H	HM	1. Outslope and keep ditch for 500'	3	PWA 2006		458	93	2017	2017
15077	U06.6107	1210	251	-1857930898	Stream crossing	Pending			Tom Gulch	Not much of a natural drainage	382	100	382	ML	M	1. Excavate form TOP to BOT and install 24" cmp in channel	3	PWA 2006		332	185	2017	2017
15078	U06.6107	1100	251.1	-1639192511	Stream crossing	Pending			Tom Gulch	Currently diverted class 3. No	48	100	48	M	M	Excavate crossing form TOP to BOT to install a 24"x 50' long	3	PWA 2006		329	191	2017	2017
15066	U06.612357	274	253	-524269388	Stream crossing	Pending			Tom Gulch	SEE ORIGINAL SITE SHEET	231	100	231	ML	ML	1. Excavate crossing from TOP to BOT to install a 24" by	3	PWA 2006		242	267	2017	2017
15067	U06.67	680	252	-1081187173	Landslide	Pending			Tom Gulch	See old comments from 1999.	24000	20	4800	M	M	1) Excavate entire width of unstable road prism to	3	PWA 2006		608	31	2017	2017
15156	U08	1600	85	964259209	Stream crossing	Pending			Lower South Fork Elk River	A moderately sized landing has	192	100	192	M	M	1. Excavate from TOP of profile to BOT (in stream left of	3	PWA 2006		294	212	2015	2014
15157	U08.082910	1370	86	1329332775	Stream crossing	Pending			Lower South Fork Elk River	Plugged hum. Xing. Little or no	250	100	250	HM	M	1) Excavate crossing from TOP to BOT to install a 30"	3	PWA 2006		330	187	2015	2014
15158	U08.082910	1320	87	784743530	Stream crossing	Pending			Lower South Fork Elk River	The flow across road has created	109	100	109	M	M	1. Excavate Xing from TOP to BOT	3	PWA 2006		294	213	2015	2014
15159	U08.082910	500	87.1	-1968132051	Stream crossing	Pending			Lower South Fork Elk River	Poorly defined stream valley	10	100	10	M	ML	1) Excavate TOP to BOT and install 24" by 50' long CMP at	1	PWA 2006		318	200	2015	2014
15140	U08.0835	2700	81	1047860647	Stream crossing	Pending			Lower South Fork Elk River	A small humboldt crossing with 1-2'	37	100	37	M	ML	1) Excavate from TOP to BOT and remove logs.	2	PWA 2006		248	254	2015	2014
15153	U08.0835	2010	82	-896113531	Stream crossing	Pending			Lower South Fork Elk River	An old humboldt crossing that the	66	100	66	M	HM	1) Excavate from TOP to BOT	2	PWA 2006		437	112	2015	2014
15155	U08.0835	1200	84	2084935296	Stream crossing	Pending			Lower South Fork Elk River	Small humboldt xing with 3-4 logs	98	100	98	ML	M	1) Excavate TOP to BOT. 2) Install a 30" x 50' CMP.	3	PWA 2006		246	256	2015	2014
15341	U08.085035	1160	350.3	789053130	Landslide	Pending			Upper South Fork Elk River	Small fill failure with a spring. The	37	30	11	HM	M	Excavate unstable road fill. Install an 18in by 30ft long	2	PWA 2006		336	178	2015	2013
15342	U08.085035	1315	350.4	-426701945	Stream crossing	Pending			Upper South Fork Elk River	Smalled skidded class III fill	103	100	103	L	HM	Excavate crossing from TOP to BOT to install a 24in by 70ft	2	PWA 2006		419	126	2015	2013
15343	U08.085035	1373	350.5	2101201614	Stream crossing	Pending			Upper South Fork Elk River	Flow travels across road and	344	100	344	H	H	Excavate crossing from TOP to BOT to install a 24in by 90ft	2	PWA 2006		587	36	2015	2013
15344	U08.085035	1428	350.6	-342879510	Stream crossing	Pending			Upper South Fork Elk River	All flow is diverted on left road to	283	100	283	HM	HM	Excavate crossing from TOP to BOT to install a 24in by 100ft	2	PWA 2006		503	71	2015	2013
15345	U08.085035	1700	350.7	-1834277460	Stream crossing	Pending			Upper South Fork Elk River	Possible humboldt crossing. Flow is	150	100	150	H	H	Excavate crossing from TOP to BOT to install a 24in by 90ft	3	PWA 2006		504	67	2015	2013



## ELK RIVER ROWD - APPENDIX D ROAD INVENTORY AND TREATMENT SCHEDULE AS OF APRIL 2015

All Road Sites\_NFEIk

SEDSITEID	SurveyInitiation	SurveyDate	SiteCategory	SiteTypeID	treamClas	Subbasin	MeasuredYds	Status	Completion Date	Completion Year
11875	THP/ECP	17-Dec-12	Skid Trail/Hillslope	Tractor Skid	3	Lower NF	20	Complete	4/15/2014	2014
11874	THP/ECP	17-Dec-12	Skid Trail/Hillslope	Tractor Skid	3	Lower NF	10	Complete	4/15/2014	2014
30002					3	North Branch NF	15	Complete	8/13/2005	2005
30002					3	North Branch NF	15	Complete	8/13/2005	2005
30007					3	Upper NF	60	Complete	8/13/2005	2005
30008					3	Browns	51	Complete	8/9/2006	2006
6089	WWDR/CAO	13-Nov-07	Off Road	Skid	3	North Fork Elk	0.13	Complete	10/10/2008	2008
30003					2	Upper NF	135	Complete	10/8/2008	2008
30004					2	Upper NF	38	Complete	10/8/2008	2008
30005					3	Upper NF	495	Complete	10/2/2008	2008
30006					2	North Fork Elk	10	Complete	9/12/2008	2008
30831					2	Upper NF	60	Complete	7/28/2009	2009
30832	THP/ECP	26-Mar-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	53.4	Complete	9/25/2009	2009
30833	THP/ECP	26-Mar-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	13.5	Complete	9/24/2009	2009
30834	THP/ECP	26-Mar-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	6.4	Complete	9/27/2009	2009
30835	THP/ECP	08-Feb-08	Skid Trail/Hillslope	Tractor Skid	3	Upper NF	1	Complete	9/3/2009	2009
30837	THP/ECP	26-Mar-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	12	Complete	9/23/2009	2009
30854	THP/ECP	26-Mar-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	11.25	Complete	9/22/2009	2009
7096	WWDR/CAO	08-Dec-08	Road	Abandoned	3	Lake Creek	27	Complete	8/2/2010	2010
30826					3	Lower NF	20	Complete	9/6/2010	2010
30826					3	Lower NF	20	Complete	9/6/2010	2010
30827					3	Lower NF	10	Complete	9/8/2010	2010
30827					3	Lower NF	10	Complete	9/8/2010	2010
30828					3	Lower NF	10	Complete	9/4/2010	2010
30828					3	Lower NF	10	Complete	9/4/2010	2010
30829					3	Lower NF	12	Complete	9/3/2010	2010
30829					3	Lower NF	12	Complete	9/3/2010	2010
30898	WWDR/CAO	09-Dec-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	3	Complete	12/5/2010	2010
30899	WWDR/CAO	31-Oct-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	19	Complete	10/5/2010	2010
30900	WWDR/CAO	27-Oct-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	7	Complete	8/4/2010	2010
30901	WWDR/CAO	27-Oct-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	5	Complete	8/3/2010	2010
30902	WWDR/CAO	11-Nov-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	4	Complete	7/31/2010	2010
6725	WWDR/CAO	04-Sep-08	Road	Abandoned	3	Lake Creek	10	Complete	8/10/2011	2011
6730	WWDR/CAO	04-Sep-08	Road	Abandoned	3	Lake Creek	43	Complete	8/10/2011	2011
30897	WWDR/CAO	01-Dec-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	104	Complete	7/11/2011	2011
30944	WWDR/CAO	20-Aug-08	Road	Abandoned	3	Lake Creek	1	Complete	10/4/2011	2011
30973	WWDR/CAO	19-Sep-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	131	Complete	9/30/2011	2011
6965	WWDR/CAO	31-Oct-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	22	Complete	10/9/2012	2012
6970	WWDR/CAO	31-Oct-08	Skid Trail/Hillslope		3	Lake Creek	37	Complete	10/9/2012	2012
30945	WWDR/CAO	22-Aug-08	Road	Abandoned	2	Lake Creek	1826	Complete	8/14/2012	2012
7198	WWDR/CAO	01-Oct-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	185	Complete	8/8/2013	2013
6091	WWDR/CAO	06-Nov-07	Road	Abandoned	3	North Fork Elk	15	Pending		
7098	WWDR/CAO	30-Oct-08	Skid Trail/Hillslope	Tractor Skid	2	Lake Creek	62	Pending		

SEDSITEID	SurveyInitiation	SurveyDate	SiteCategory	SiteTypeID	treamClas	Subbasin	MeasuredYds	Status	Completion Date	Completion Year
7109	WWDR/CAO	30-Oct-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	11	Pending		
7121	WWDR/CAO	30-Oct-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	10	Pending		
7122	WWDR/CAO	30-Oct-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	10	Pending		
7243	WWDR/CAO	05-Dec-08	Skid Trail/Hillslope	Tractor Skid	2	South Branch NF	199	Pending		
6749	WWDR/CAO	15-Sep-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	140	Pending		
6788	WWDR/CAO	14-Oct-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	89	Pending		
6793	WWDR/CAO	14-Oct-08	Skid Trail/Hillslope	Tractor Skid	2	Lake Creek	141	Pending		
6818	WWDR/CAO	29-Sep-08	Skid Trail/Hillslope	Tractor Skid	2	Lake Creek	163	Pending		
6833	WWDR/CAO	15-Oct-08	Skid Trail/Hillslope	Tractor Skid	2	Lake Creek	219	Pending		
6835	WWDR/CAO	15-Oct-08	Road	Abandoned	2	Lake Creek	1600	Pending		
6845	WWDR/CAO	27-Oct-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	320	Pending		
6854	WWDR/CAO	27-Oct-08	Skid Trail/Hillslope	Tractor Skid	2	Lake Creek	8	Pending		
6856	WWDR/CAO	27-Oct-08	Skid Trail/Hillslope	Tractor Skid	2	Lake Creek	333	Pending		
7212	WWDR/CAO	19-Sep-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	11	Pending		
7214	WWDR/CAO	19-Sep-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	211	Pending		
7217	WWDR/CAO	17-Sep-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	341	Pending		
-3	WWDR/CAO	22-Sep-08	Road	Abandoned	3	Lake Creek	2	Pending		
6046	WWDR/CAO	17-Sep-07	Skid Trail/Hillslope	Tractor Skid	0	Upper NF	1	Pending		
6047	WWDR/CAO	17-Sep-07	Skid Trail/Hillslope	Tractor Skid	3	Upper NF	1	Pending		
6048	WWDR/CAO	07-Nov-07	Skid Trail/Hillslope	Tractor Skid	3	North Branch NF	11.8	Pending		
6049	WWDR/CAO	19-Nov-07	Skid Trail/Hillslope	Tractor Skid	3	North Branch NF	35	Pending		
6050	WWDR/CAO	17-Sep-07	Skid Trail/Hillslope	Tractor Skid	3	Upper NF	50	Pending		
6051	WWDR/CAO	17-Sep-07	Skid Trail/Hillslope	Other	3	Upper NF	1	Pending		
6088	WWDR/CAO	07-Nov-07	Skid Trail/Hillslope	Tractor Skid	3	North Branch NF	69	Pending		
6181	THP/ECP	08-Feb-08	Skid Trail/Hillslope	Tractor Skid	3	Upper NF	1	Pending		
6182	THP/ECP	08-Feb-08	Skid Trail/Hillslope	Tractor Skid	3	Upper NF	1	Pending		
6706	WWDR/CAO	20-Aug-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	120	Pending		
6707	WWDR/CAO	20-Aug-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	49	Pending		
6752	WWDR/CAO	15-Sep-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	872	Pending		
6891	WWDR/CAO	03-Oct-08	Skid Trail/Hillslope		2	Lake Creek	5833	Pending		
6947	WWDR/CAO	09-Dec-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	13	Pending		
7102	WWDR/CAO	08-Dec-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	12	Pending		
7135	WWDR/CAO	01-Dec-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	48	Pending		
7137	WWDR/CAO	01-Dec-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	31	Pending		
7143	WWDR/CAO	25-Sep-08	Skid Trail/Hillslope	Tractor Skid	3	Lake Creek	40	Pending		
7245	WWDR/CAO	05-Oct-08	Skid Trail/Hillslope	Tractor Skid	3	South Branch NF	16	Pending		
11120					3	Upper NF	100	Pending		
11121					3	Upper NF	900	Pending		