

Guard/Feature	Treatment type	Length (m)	Average Width (m)	Feature Description	Prescription	Excavator	General Labour	Professional Labour	Cost Estimate
GM1, 2, and REM 1,2 were assessed and prescribed previous year. They have been compiled for ease of reference into this prescription									
GM-1-1	DC,RC,PB,DS,WB	249	30	Guard is 20-40m wide with sections of 45% slope. Mineral soil is exposed and consists of sandy unconsolidated material with areas of loams/silts and higher clay contents.	Decompact tracked areas to aid surface water infiltration. Recontour bladed cut trails and install angled water-bars every 50m-100m with the goal of directing water off of the exposed mineral soil and towards forested area and vegetation. Pullback CWD and displaced soils onto the guard. Grass seed exposed mineral soils after rehabilitation.	20	1	-	\$ 4,059.00
REM-1-1	PB,CD,DS	253	5	Existing road (South Cascade Main) that was used by wildfire personnel for transporting equipment and establishing guards.	There is ~2m3 of processed decked Cw/Hw and a slash pile. Slash pile can be burned. Decked wood could be loaded and removed, or it could be redistributed onto the Guard surface of GM-1, or it could be added to the slash piles and burned. Cross-ditch install ribboned in the field and displayed on the map; install with the goal of reducing the amount of ditch water that will flow towards GM-1-1. Clean ditch along cut slope connecting to GM-1-2 where needed. Pullback and disperse CWD and displaced soils onto scraped and bladed area upslope of the road. Grass seed RRW after pullback and dispersal.	5.2	-	-	\$ 1,049.00
GM-1-2	DC,RC,PB,DS,WB	635	30	Guard is 20-40m wide with sections of 45-60% slope. This section of the guard ends at an old in-block road on the upslopes side	Decompact tracked areas to aid surface water infiltration. Recontour bladed cut trails and install angled water-bars every 50m-100m with the goal of directing water off of the exposed mineral soil and towards forested area and vegetation. Pullback CWD and displaced soils onto the guard. Grass seed exposed mineral soils after rehabilitation. Clean/repair ditches and culvert intakes at road junctions. Install cross ditches on roads near junctions with GM-1-2 to direct ditch water away from guard as directed by field ribboning and mapping. SC2-NCD: exists along guard that will follow broken terrain towards forested area and does not require water-bars.	52	2	-	\$ 10,511.00
GM-1-3	DC,RC,PB,DS	106	15	Guard is 10-20m on gentle slopes (<25%). It cuts across an old cutblock to give machine access to the next section of guard (GM-1-4).	Recontour bladed trail at cut and filled sections. Pullback CWD and displaced soils onto the guard. Grass seed exposed mineral soils after rehabilitation.	2.5	0.5	-	\$ 480.00
GM-1-4	DC,RC,PB,DS,WB	404	15	Guard is 10-20m wide and follows an old road. There are steep sections of 40-60%.	Recontour bladed cut trails and install angled water-bars every 50m-100m with the goal of directing water off of the exposed mineral soil and towards forested area and vegetation. Pullback CWD and displaced soils onto the guard. Grass seed exposed mineral soils after rehabilitation.	13	1	-	\$ 2,660.00
GM-1-5	DC,RC,PB,DS,WB	892	30	Guard is 20-40m wide with sections of 60-70% slope.	Decompact tracked areas to aid surface water infiltration. Recontour bladed cut trails and install angled water-bars every 50m-100m with the goal of directing water off of the exposed mineral soil and towards forested area and vegetation. Pullback CWD and displaced soils onto the guard. Grass seed exposed mineral soils after rehabilitation. Clean/repair ditches at junctions of roads. Install roadside ditch at junction with switchback near GM-1-8 to outside side of switchback that connects with guard; this will aid in redirecting water off of the guard.	90	4	-	\$ 17,900.00
GM-1-6	PB,DS	154	10	Guard is 5-10m wide with sections of 35% slope and was used to provide access to and skid wood off of GM-1-5 to nearby roadside landing.	Water-bars have been previously installed and should be left in place. Pullback sidecast and CWD onto bladed trail and dry seed. Ditch clean/repair at junction with road. Slash piles (x4) exist at the road and should be burned/removed	3.5	0.25	-	\$ 736.10
GM-1-7	DS	112	5	Guard is ~5m wide and was used as a skid trail for access to GM-1-5. ~15% grade	Could dry seed but natural regen is likely. Risk of transportation of water from GM-1-7 onto GM-1-5 is low, as the trail side hills before entering onto GM-1-5.	-	0.25	-	\$ 16.80
GM-1-8	DC,RC,PB,DS	137	40	Guard is 20-40m wide but widens to 40-60m near junction with switchback. 15-30% slope	De-compact tracked areas to aid surface water infiltration. Recontour by spreading material from berms and deep ruts parallel to slope. Recontour cut near switchback and install ditch to direct water away from guard. Pullback CWD and displaced soils onto the guard. Grass seed exposed mineral soils after rehabilitation.	13	0.25	-	\$ 2,619.10
IP13	DC,PB,DS	70	20	Between GM-1-8 and GM-1-9 there is a decking/staging area that is 70 x 20m	decompaction, pullback and dispersal of CWD and displaced soils, and dry seeding.				
IP14	CC	-	-	Between GM-1-8 and GM-1-9 there is a plugged culvert	Clean culvert				

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GM-1-9	DC,RC,PB,DS,WB	177	20	Guard is 10-20m wide with sections of 35-45% slope.	De-compact tracked areas to aid surface water infiltration. Recontour bladed cut trails and install angled water-bars every 50m-100m with the goal of directing water off of the exposed mineral soil and towards forested area and vegetation. Pullback CWD and displaced soils onto the guard. Grass seed exposed mineral soils after rehabilitation. Clean/repair ditches at junctions of roads.				
IP16	RD	-	-	S6 - restore draw. Steep slopes below, runs into ditchline	SC3-S6: channel needs to be re-established into the ditch-line above the culvert down the road by installing a 20m channel. Recontouring of bladed trail will aid in re-establishing S6 draw with the addition of a channel				
						10	0.25	-	\$ 2,067.00
GM-1-10	DC,RC,PB,DS,WB	545	20	Guard is 10-20m wide with sections of 35-45% slope. At the upslope end of GM-1-10, the guard continues upslope (E, N/E). This section is on gentler terrain, but has not yet been assessed	De-compact tracked areas to aid surface water infiltration. Recontour bladed cut trails and install angled water-bars every 50m-100m with the goal of directing water off of the exposed mineral soil and towards forested area and vegetation. Pullback CWD and displaced soils onto the guard. Grass seed exposed mineral soils after rehabilitation. Clean/repair ditches at junctions of roads.				
						18	1	-	\$ 3,591.75
REM-2-1	PB, DS	155	10	excess waste from cut-slope on existing branch road was placed below the fill slope on moderately steep to steep terrain above an incised draw.	Pullback of excess material back onto upslope portion of road is recommended with ditch clean and repair at IP23				
						3	0.25	-	\$ 620.00
GM-2-1	DC,PB,DS	528	40	Guard is 20-40m wide with sections of 35-45% slope.	De-compact tracked areas to aid surface water infiltration. Pullback CWD and displaced soils onto the guard. Grass seed exposed mineral soils after rehabilitation. Clean/repair ditches at junctions of roads.				
						16	0.5	-	\$ 3,327.20
GM-2-2	PB,DS	628	20	Guard is ~20m wide with slopes ranging from 10-20%. Travels through plantations	Pullback CWD and displaced soils onto the guard. Grass seed exposed mineral soils after rehabilitation.				
						6.5	0.5	-	\$ 1,350.20
3-1-GM	PB, DS	572	10	Guard is approximately 10m wide on gentle slopes (<20%). At the time of assessment, the guard was beginning to grow grass. There is a fence near the POC at the south end – it is undamaged.	Pull back displaced soils and disperse CWD. Dry seed.				
						8.55	1.14	-	
ST1	SBP	-	-	Three large slash piles	Burn slash piles	-	3	-	
ST2	PBD	-	-	Decked wood, not processed (10m3 CwFd)	Buck, pile, and burn	1	2	-	
ST4	FD	-	-	Fence wire was cut. Smooth wire fence, 5 strand, ~20m section across guard	Re-wire fence with 5 strand smooth wire (~100m of wire required). ~20m section across guard	-	1	-	
ST5	W	-	-		waterbar install	0.3	-	-	
ST6	W	-	-		waterbar install	0.3	-	-	
ST7	PWD	-	-	Decked wood, not processed (30m3 CwFd)	Pullback and distribute decked wood over guard surface. Ensure wood is not elevated.	included in 3-1-GM	-	-	
						10.15	7.14	0	\$ 3,259.33
3-2-GM	RC,PB,DS	704	20-25	Guard is 20-25 m wide and 0-35% slope. There is a water pipe crossing the guard near the POT at the north end (point ST8).	Full rehabilitation-- recontour the slope, pull back berms and disperse CWD onto the surface, dry seed.				
ST8	NA	-	-	Water pipe crossing guard (no water licence?)	Caution! Do not break water pipe	-	2.8	-	
						14	2.8	0	\$ 3,787.00
4-1-REM	NA	996	10	This guard is an existing FSR. The FSR itself does not require rehabilitation	No treatment required for road, except for rehab points below.				
CP8	SBP	-	-	Slash pile	Burn slash pile		1	-	
ST9	SBP	-	-	Two adjacent slash piles	Burn two slash piles	-	2	-	
ST10	SBP	-	-	Slash pile	Burn slash pile	-	1	-	
ST11	PBD	-	-	Decked wood, not processed (5m3 Cw)	Pile buck and burn decked wood	1	2	-	
						1	6	0	\$ 920.50
4-2-REM	CD, PB, DS	227	10	This is an existing FSR. The ditch has been filled in	Clean the ditch out along entirety. Pullback berms created on roadside. Dry seed the bladed roadside area.	5.75	0.46	-	
ST12	MC, RC	-	-	crushed culvert	Replace metal culvert, dig out sump	3.5	0.5	-	
						9.25	0.96	0	\$ 2,205.63
4-3-REM	NA	1258	10	Guard is an existing FSR. No treatment.	NA				
						0	0	0	\$ -
4-4-GM	PB,DS	68	5	Gently sloped guard (0-20%) with a 5 m bladed trail.	Pull back overburden and CWD and disperse across guard. Dry seed guard surface.	0.7	0.07	-	
						0.7	0.07	0	\$ 180.60
4-5-GM	NA	174	20	Gently sloped (0-20%) guard approximately 20-25 m wide. Minimal overburden and CWD	NA				
						0	0	0	\$ -

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4-6-REM	CD, DS	1003	20	Guard is on an existing road through a recently planted cutblock. Slopes gentle (0-20%); 5 m bladed width and 20 m cut.	Clean ditch to facilitate water drainage and dry seed.	10	1	-		
	CP9	CC	-	-	culvert sump full	Dig out sump	0.5	0.5		-
	CP10	MC, RC	-	-	culvert crushed	Replace metal culvert	3	-		-
	CP11	CC	-	-	sump full, outflow buried	Dig out sump, dig out outflow	0.5	0.5		-
	CP12	CDI	-	-	ditch and sediment flowing into stream	Install cross ditch to direct ditchwater to filtrate through CWD and forest before entering stream	0.75	-		-
						14.75	2	0		\$ 3,946.13
4-7-GM	RC,PB,DS	418	15	Guard on 20-35% slopes. 15m wide bladed trail	Recontour the blade trail, pullback any coarse woody debris and distribute ontop of trail surface. Allow for natural draws/water bars	6.3	1.26	-		
						6.3	1.26	0		\$ 1,704.15
4-8-GM	PB,DS	88	20	Guard is approximately 20 m wide on steep (40%) slopes.	Pull back CWD and disperse across guard. Grass seed exposed mineral soils after rehabilitation.	2.25	0.72	-		
						2.25	0.72	0		\$ 624.38
4-9-GM	RC	167	10	Guard is approximately 10m wide on gentle slopes (<25%)	Recontour guard. Ensure to not fill ditch at junction with the Mabel FSR.	2.55	0.34	-		
						2.55	0.34	0		\$ 668.53
4-10-GM	NA	74	10	Guard is already pulled back and recontoured.	No Treatment	-	-	-		
						0	0	0		\$ -
4-11-GM	PB,DS	151	30	Guard is on gentle slopes (10-30%) through a cutblock. Bladed width is 25-30m.	Pullback overburden and distribute CWD. Dry seed. Consider replanting with LwCw (through plantation).	3.75	0.9	-		
						3.75	0.9	0		\$ 1,033.13
4-12-GM	RC,PB,DS	71	10	This guard section is steep (50-60%) with a deep cut approximately 5m wide	Recontour cut as best as possible, pullback and distribute and CWD onto surface, dry seed.	1.4	0.28	-		
	CP13	CD	20	-	Ditch filled in where guard joins Mabel FSR	Clean out ditch at junction with Mabel FSR	2	-		-
						3.4	0.28	0	\$ 420.80	
5-1-REM		1120	10	This is an existing road with daylighting. No treatment to the road is necessary.	No treatment required for road, except for rehab points below.	-	-	-		
	ST14	SBP	-	-	Slash pile	Burn slash pile	-	1		-
	IP2	SBP	-	-	Slash pile	Burn slash pile X 2	-	2		-
	CP3	CD	20	-	Ditch is filled in	Clean ditch out	2	-		-
						2	3	0		\$ 499.10
5-1a-GM	SBP	404	15	Guard is an old road parallel to Mabel Lake FSR on gentle slopes (5-15%). Guard has no blading, but was cut. Bunched timber has been left along guard posing a fuel loading risk.	Buck and pile bunched timber in middle of guard. Do not pile timber close to timbered edge. Burn piles. Bunches can be distributed across guard surface as well if the timber is not elevated and limbs are removed.	4	12	-		
						4	12	0		\$ 2,494.82
5-1b-GM	PB,DS	181	5	Guard bladed width is 5m and cut width of 20m. On steep (35-45%) slopes	Pull back CWD and dry seed surface	2.7	0.36	-		
						2.7	0.36	0		\$ 698.85
5-1c-GM	NA	208	20	Guard section (continuous with 5-1d) is on 20-30% slope. 5 m bladed, 20 m cut. On old trail.	No treatment required for road, except for rehab points below.	-	-	-		
	CP2	CDI	-	-	Guard follows old road trail. Water would concentrate from 5-1c-GM to 5-1b-GM.	Install cross ditch at bottom of trail/machine guard to direct water away from 5-1b-GM	0.75	-		-
							0.75	0		0
5-1d-GM	PBD	383	25	Section is on steeper (30-45%) slopes, 20-25 m cut and not bladed. There is timber bunched on the edges of the entire guard.	Pull back bunched wood, buck, pile, and burn. Can disperse across guard if care is taken to knock off branches and ensure timber is not elevated.	7.66	15.66	-		
	CP1	PBD	-	-	Decked wood (~5m3 Pl,Fd,Cw)	Buck pile and burn wood	1	1		-
							8.66	16.66		0
5-1e-GM	PB	174	5	Guard is steeply sloped (40-50%), 25 m wide cut timber width and 5 m bladed width. Minimal cut timber, most may have been removed	Pullback bladed trail and disperse CWD ontop. Ensure ditch is clean at junction with FSR.	2.55	-	-		
	ST15	SBP	-	-	Two slash piles, just down chain of the road next to 5-1e-GM.	Burn piles	-	2		-
							2.55	0		0
5-2-GM	PB, RC, DS	60	30	Guard is 30 m wide, bladed the full width, and is on steep 50-60% slopes.	Pull back overburden and disperse CWD. Recontouring is required along the existing road edge to stabilize the road. The guard is already grass seeded, but more seeding may be required if pulled back and recontoured.	1.8	0.72	-		
						1.8	0.72	0		\$ 513.90

Guard/Feature	Treatment type	Length (m)	Average Width (m)	Feature Description	Prescription	Excavator	General Labour	Professional Labour	Cost Estimate
5-3-GM	PB, DS	350	40	Guard is 40 m bladed width, 20-35% slopes.	Sidecast and CWD should be pulled back onto slope and dry seeded. Contour any CWD logs perpendicular to slope to minimize runoff/sedimentation	12.25	2.8	-	
IP1a	CA,PB	60	60	Cleared area is ~60m by 60m. 5-3-GM runs through it. Above Mabel Lake FSR	Pullback sidecast and CWD to distribute onto cleared area.	included in 5-3-GM	-	-	
						12.25	2.8	0	\$ 3,357.38
5-4-GM	PB	476	15	Guard is 15m wide and is an average of 30-45% slope. Large CWD has already been placed on top and contoured across guard intermittently. Rock is coarse and angular with >50% coarse fragments.	Complete pullback by pulling back overburden and CWD onto the guard surface.	9.6	-	-	
IP1	CD	20	-	Ditch is filled in along Mabel FSR and Guard junction	Clean ditch	2	-	-	
						11.6	0	0	\$ 2,405.90
5-5-GM	NA	525	35	Guard is 35 m wide on a 25-40% slope. It has been fully pulled back already, with CWD distributed.	No treatment required	-	-	-	
						0	0	0	\$ -
5-6-REM	PB	962	20	The majority of the guard is on an old road; 20 m wide and 20-25% slope.	Pullback and distribute sidecast and CWD on surface.	19.2	-	-	
IP3	RD	-	-	Dry draw filled in with material	Remove material from dry draw, add to guard pullback	3	-	-	
IP4	CA, DC	-	-	Cleared area is 25m x 50m. Compacted	Decompact cleared area	1.92	-	-	
IP5	CDI	-	-	Cross ditch install required	Install cross ditch to ensure drainage across rehabilitated guard	0.75	-	-	
IP6	CDI	-	-	Cross ditch install required	Install cross ditch to ensure drainage across rehabilitated guard	0.75	-	-	
IP7	CDI	-	-	Cross ditch install required	Install cross ditch to ensure drainage across rehabilitated guard	0.75	-	-	
IP8	CD	20	-	Ditch filled in	remove material from ditch at junction with FSR	2	-	-	
						28.37	0	0	\$ 6,822.94
5-7-GM	PB,DS	471	30	Guard is 30 m wide on steep slopes (45-60%) and ends on an old road/machine guard (5-6-GM) and is forested below.	Pullback and distribute sidecast and CWD onto surface. Place logs perpendicular to slope to limit erosion. Dry seed.	14.1	5.64	-	
						14.1	5.64	0	\$ 4,025.55
5-8-GM	PB,DS	333	5	This guard is 20 m cut width and 5 m bladed on 50-60% slope. CWD is currently spread across the guard in some places.	Pullback and distribute sidecast and CWD onto surface. Place logs perpendicular to slope to limit erosion. Dry seed.	4.95	0.66	-	
IP9	CD	20	-	Ditch filled in	Clean ditch at junction with FSR	0.2	-	-	
IP10	PBD	-	-	Decked wood, not processed (~10m3 CwFd)	Spread onto guard as part of CWD. Ensure logs are not elevated. **(Cost and hour estimates are already included in the section cost and hour estimates)	included in 5-8-GM	-	-	
						5.15	0.66	0	\$ 1,772.23
5-9-GM	PBD	396	15	This guard is 15 m cut width with no bladed trail. Slope is 25-60% with steep pitches. Machine tracks are intermittent and barely visible. Felled timber has been left against the timber edge.	Buck, pile, and burn bunched timber. Create piles in middle of guard, away from timber edge. Can leave CWD across guard if it is not elevated and the fire hazard has been eliminated.	7.92	15.92	-	
IP11	CD	20	-	Ditch filled in	Clean ditch	0.2	-	-	
IP12	PBD	-	-	Decked wood, not processed (5m3 CwFd)	Buck, pile, and burn decked wood.	1	2	-	
						9.12	17.92	0	\$ 3,888.36
5-10-REM	NA	524	5	Guard is an old road with a 5 m bladed trail. Some debris is pushed over but not otherwise modified.	No treatment required except for the rehabilitation points below	-	-	-	
IP13	CDI	-	-	Cross ditch install required	Install Cross ditch across old road/trail	0.75	-	-	
IP14	CDI	-	-	Cross ditch install required	Install Cross ditch across old road/trail	0.75	-	-	
IP15	CDI	-	-	Cross ditch install required	Install Cross ditch across old road/trail	0.75	-	-	
						2.25	0	0	\$ 552.38
5-11-GM	RC,PB,DS,	103	5	Steep guard (50-60%); 5 m bladed trail, 20 m cut.	Recontour guard. Pullback and distribute sidecast and CWD onto surface. Place logs perpendicular to slope to limit erosion. Dry seed.	1.5	0.2	-	
IP16	CD	20	-	Ditch filled in at junction with FSR	Clean ditch at junction with FSR	0.2	-	-	
						1.7	0.2	0	\$ 437.35
5-12-GM	PB, DS	214	5	Guard is a 5 m bladed trail, 25 m cut width, likely on an old road. 25-40% slopes	Pullback sidecast and CWD to distribute onto guard. Dry seed	3.15	0.42	-	
IP18	CDI	-	-	Old trail surface on guard. Cross ditch required	Install cross ditch through trail/guard surface to ensure that water is not concentrated down guard and onto 5-11-GM	0.75	-	-	
IP19	CDI	-	-	Old trail surface on guard. Cross ditch required	Install cross ditch through trail/guard surface to ensure that water is not concentrated down guard and onto 5-11-GM	0.75	-	-	
IP20	CDI	-	-	Old trail surface on guard. Cross ditch required	Install cross ditch through trail/guard surface to ensure that water is not concentrated down guard and onto 5-11-GM	0.75	-	-	
						5.4	0.42	0	\$ 1,325.70
5-13-GM	PBD	498	25	Guard is 20-30 m cut width with no bladed trail on a steep rocky slope (40-70%). Cut timber has been left along the guard edge. 60-70% sections are short and benched. Minimal machine tracks	Buck, pile, and burn bunched timber. Create piles in middle of guard, away from timber edge. Can leave CWD across guard if it is not elevated and the fire hazard has been eliminated, or if CWD is required to cover machine tracks/disturbance of slopes from rehab work.	20	30	-	
IP21	CD	30	-	Ditch filled in by guard	Clean ditch at junction with FSR	0.3	-	-	

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						20.3	30	0	\$ 7,983.65
5-14-GM	PB	288	5	This guard is 30 m cut width with a 5 m bladed trail on a slope ranging from 15-40% and is benched. The guard is adjacent to a stream that enters the ditchline at the road. Water is eroding the bladed guard.	Pullback CWD and sidecast onto guard surface to increase infiltration and reduce erosion. Place logs perpendicular to slope along contours. No treatment required for stream - machines to ensure that the ditchline remains functioning at junction with FSR	4.35	-	-	
	IP22	PBD	-	-	Decked unprocessed wood (~25m3 Cw)	Pile, buck, and burn decked wood in cleared area. Can process, load, and haul; cost is prohibitive.	1	2	-
	IP23	PBD	-	-	Decked unprocessed wood (~60m3 Cw)	Pile, buck, and burn decked wood in cleared area. Can process, load, and haul; cost is prohibitive.	1	2	-
	IP24	CA,NA	60	60	Previously existing cleared area used for decking timber	No treatment required	-	-	-
	IP26	CDI	-	-	water pooling on guard	Install cross ditch/deep water bar to drain water off of guard an into forest to reduce erosion and sedimentation on guard next to stream.	0.75	-	-
						7.1	4	0	\$ 2,193.05
5-15-GM	PB	229	30	This guard is 30 m cut and bladed width on a moderate (20-30%) slope	Pullback berm and CWD onto guard surface and disperse. Place logs perpendicular to slope.	5.75	-	-	
	IP27	CDI	-	-	water pooling on guard	Install cross ditch/deep water bar to drain water off of guard an into forest to reduce erosion and sedimentation on guard next to stream.	0.75	-	-
						6.5	0	0	\$ 1,595.75
5-16-GM	PB	116	5	This guard is 30 m cut width, 5 m bladed on 30-40% slope.	Pullback berm and CWD onto bladed guard surface and disperse. Place logs perpendicular to slope.	1.8	-	-	
						1.8	0	0	\$ 441.90
6-2-GM	D, PB, DS	86	40	40m wide machine guard with <35% slopes.	Decompact, pull back overburden, disperse CWD on surface, and dry seed.	4.76	0.68	-	
	ST25	RD	-	-	NCD, flattened draw with pooling on the guard	Restore the draw contour, remove debris, and ensure a flow path across the guard	3	-	-
	ST26	BPD	-	-	decked wood, not processed, FdEp	Buck, pile, and burn. Can disperse across guard if care is taken to knock off branches and ensure timber is not elevated.	1	2	-
	ST27	CDI	-	-	a ditch has been established down the guard from the culvert	Restore the channel across the guard surface from the culvert to ensure drainage across the guard.	0.75	-	-
						9.51	2.68	0	\$ 2,834.23
6-3-REM	DS	1,010	5	Existing road with 5m of daylighting to one side. Culverts are in good condition and waterbars are already in place at culvert locations.	Dry seed the banks and ensure drainage is maintained at existing waterbars and ditches	-	1	-	
	ST29	SBP	-	-	Slash pile	Burn the slash pile	-	1	-
	ST30	CD	30	Ditch filled in	Clean ditch out	0.3	-	-	
						0.3	2	0	\$ 348.65
6-4-REM	-	431	15	This guard is an existing road with only daylighting modifications	No treatment required along the line but ensure waterbars and crossditches are maintained.	-	-	-	
	ST28	SBP	-	-	Slash pile	Burn the slash pile	-	1	-
	ST31	PB, DS	100	-	A 100m section with moderate overburden pushed 10-15m away from the REM.	For 100m at this point pull back the over burden, disperse CWD across the surface and dry seed. Maintain existing ditches and waterbars.	1.5	-	-
	ST32	PB, DS	100	-	A 100m section with moderate overburden	For 100m at this point pull back the over burden, disperse CWD across the surface, and dry seed. Maintain existing ditches and waterbars.	1.5	-	-
	ST33	SBP	-	-	Slash pile	Burn the slash pile	-	1	-
	ST34	SBP	-	-	Slash pile	Burn the slash pile	-	1	-
						3	2	0	\$ 1,261.50
6-5-GM	PB, DS	374	30	A 30m wide machine guard	Pull back overburden, disperse CWD on surface, and dry seed.	9.25	2.22	-	
	ST35	RD	-	-	A seasonal NCD that is being blocked by over burden	Restore the draw contour, remove debris, and ensure a flow path across the guard	3	-	-
						12.25	2.22	0	\$ 3,584.88
6-6-REM	PB, DS	549	15	A existing road with significant overburden in places. 15m of bladed edge.	Pull back overburden, and dry seed. Ensure drainage is maintained at existing waterbars and ditches.	6.6	1.32	-	
	ST36	SBP	-	-	Slash pile	Burn the slash pile	-	1	-
						6.6	2.32	0	\$ 1,935.30
6-7-GM	PB, DS	408	30	This is a machine guard that is 30m wide and ties into an existing cut block.	Pull back the over burden, distribute CWD across the surface, and dry seed.	10.25	2.46	-	
	ST36a	RD	-	-	S6 stream crossing with a culvert in place. (S6- from Tolko database)	remove the culvert, do not disturb natural creek bed, remove unstable sidecast and fill from banks, place logs and CWD in an interlocking contoured fashion on either side of crossing above the highwater mark, apply erosion control to banks as needed (coco-coir mat, straw, etc.), stabilize banks with rock as needed, full rehab guard within RMA or within area that may create sediment and erosion deposition into the stream. Grass seed rehab area.	3	-	-
						13.25	2.46	0	\$ 3,860.38
6-8-REM	DS	602	5	An existing road with daylighting only. Culverts are in good condition.	Dry seed the banks and ensure drainage is maintained at exisiting waterbars and ditches.	-	0.6	-	
	ST37	BPD	-	-	Decked wood, not processed 15m3 Fd	Buck, pile and burn. Processing, loading, and hauling is an option.	1	2	-
	ST38	BPD	-	-	Decked wood, not processed	Buck, pile and burn. Processing, loading, and hauling is an option.	1	2	-
	ST39	SBP	-	-	Slash pile	Burn the slash pile	-	1	-

Guard/Feature	Treatment type	Length (m)	Average Width (m)	Feature Description	Prescription	Excavator	General Labour	Professional Labour	Cost Estimate
						2	5.6	0	\$ 1,166.00
6-9a-GM	-	867	25	25m wide completed machine line on a planned road location (Tolko).	No treatment, besides rehab points below	-	-	-	
ST40	RD	-	-	NCD flow blocked by the guard surface.	Restore the draw contour, remove debris, and ensure a flow path across the guard	3	-	-	
ST41	RD	-	-	S6 stream crossing blocked by the guard surface. (NCD from tolko database)	remove log bundles, do not disturb natural creek bed, remove unstable sidecast and fill from banks, place logs and CWD in an interlocking contoured fashion on either side of crossing above the highwater mark, apply erosion control to banks as needed (coco-coir mat, straw, etc.), stabilize banks with rock as needed, full rehab guard within RMA or within area that may create sediment and erosion deposition into the stream. Grass seed rehab area.	3	-	-	
ST42	SBP	-	-	Slash pile	Burn the slash pile	-	1	-	
ST43	RD	-	-	A dry draw that is blocked by the guard surface.	Restore the draw contour, remove debris, and ensure a flow path across the guard	3	-	-	
ST44	RD	-	-	S4 stream crossing blocked by the guard surface. May be able to down class with full stream assessment, no stream data available from Tolko.	remove log bundles, do not disturb natural creek bed, remove unstable sidecast and fill from banks, place logs and CWD in an interlocking contoured fashion on either side of crossing above the highwater mark, apply erosion control to banks as needed (coco-coir mat, straw, etc.), stabilize banks with rock as needed, full rehab guard within RMA or within area that may create sediment and erosion deposition into the stream. Grass seed rehab area.	6	-	6	
ST45	BPD	-	-	Decked wood, not processed (10m3 CwHw)	Buck, pile, and burn. Can disperse across guard if care is taken to knock off branches and ensure timber is not elevated.	1	2	-	
ST46	RD	-	-	A dry draw that is blocked by the guard surface.	Restore the draw contour, remove debris, and ensure a flow path across the guard	3	-	-	
ST47	CDI	-	-	Cross ditch install required	Install cross ditch to ensure drainage across rehabilitated guard	0.75	-	-	
ST48	CDI	-	-	Cross ditch install required	Install cross ditch to ensure drainage across rehabilitated guard	0.75	-	-	
						20.5	3	6	\$ 6,986.80
6-9-GM	PB, DS	341	25	Completed machine line, 25m wide.	Pull back overburden, disperse CWD across the surface, and dry seed.	8.5	1.7	-	
ST49	DC	100	-	section of built road, built up on stacked logs	Pull the bundle and distribute CWD flat across the surface	4	-	-	
ST52	RD	-	-	S6 stream crossing blocked by a log bundle.	remove log bundles, do not disturb natural creek bed, remove unstable sidecast and fill from banks, place logs and CWD in an interlocking contoured fashion on either side of crossing above the highwater mark, apply erosion control to banks as needed (coco-coir mat, straw, etc.), stabilize banks with rock as needed, full rehab guard within RMA or within area that may create sediment and erosion deposition into the stream. Grass seed rehab area.	3	-	-	
ST53	SBP	-	-	Slash pile	Burn the slash pile	-	1	-	
						15.5	2.7	0	\$ 4,467.75
6-10-GM	PB, DS	227	5	5m wide bladed trail on gentle/flat slopes. Overburden is causing water to pool on the guard surface.	Pull back overburden, disperse CWD across the surface, and dry seed.	2.3	0.23	-	
ST50	BB	-	-	The overburden has caused water to pool on the guard surface and is diverting flow.	Breach the berm to facilitate drainage off the guard	0.3	-	-	
ST51	RD	-	-	S6 stream crossing that is being blocked by over burden	remove log bundles, do not disturb natural creek bed, remove unstable sidecast and fill from banks, place logs and CWD in an interlocking contoured fashion on either side of crossing above the highwater mark, apply erosion control to banks as needed (coco-coir mat, straw, etc.), stabilize banks with rock as needed, full rehab guard within RMA or within area that may create sediment and erosion deposition into the stream. Grass seed rehab area.	3	-	-	
						5.6	0.23	0	\$ 1,703.55
6-11-REM	DS	1049	5	This is a relatively low gradient existing road with scraped banks	Dry seed where banks have been scraped. Ensure drainage is maintained at any existing water control points in addition to proposed points.	-	1.05	-	
ST54	BPD	-	-	decked wood, not processed, <10m3	Buck, pile and burn. Processing, loading, and hauling is an option.	1	2	-	
ST55	CC	-	-	culvert sump full	Dig out sump	0.5	0.5	-	
ST56	SBP	-	-	Slash pile	Burn the slash pile	-	1	-	
ST57	BPD	-	-	decked wood, not processed, <10m3	Buck, pile and burn. Processing, loading, and hauling is an option.	1	2	-	
ST58	SBP	-	-	Slash pile	Burn the slash pile	-	1	-	
						2.5	7.55	0	\$ 1,532.50
6-12-GM	PB, DS	735	20	20m wide machine guard	Pull back overburden, disperse CWD across the surface, and dry seed	14.8	2.96	-	
ST59	BPD	-	-	Decked wood, not processed, 20m3 Hw	Buck, pile, and burn. Can disperse across guard if care is taken to knock off branches and ensure timber is not elevated.	1	2	-	
ST60	SBP	-	-	Slash pile	Burn the slash pile	-	1	-	
ST61	RD	-	-	S4, not stream data from Tolko. Defaulted to S4 until a proper stream assessment can be done	remove log bundles, do not disturb natural creek bed, remove unstable sidecast and fill from banks, place logs and CWD in an interlocking contoured fashion on either side of crossing above the highwater mark, apply erosion control to banks as needed (coco-coir mat, straw, etc.), stabilize banks with rock as needed, full rehab guard within RMA or within area that may create sediment and erosion deposition into the stream. Grass seed rehab area.	6	-	6	
ST62	RD	-	-	S4, not stream data from Tolko. Defaulted to S4 until a proper stream assessment can be done	remove log bundles, do not disturb natural creek bed, remove unstable sidecast and fill from banks, place logs and CWD in an interlocking contoured fashion on either side of crossing above the highwater mark, apply erosion control to banks as needed (coco-coir mat, straw, etc.), stabilize banks with rock as needed, full rehab guard within RMA or within area that may create sediment and erosion deposition into the stream. Grass seed rehab area.	6	-	6	
ST63	SBP	-	-	Slash pile	Burn the slash pile	-	1	-	

Guard/Feature	Treatment type	Length (m)	Average Width (m)	Feature Description	Prescription	Excavator	General Labour	Professional Labour	Cost Estimate
ST64	BPD	-	-	Decked wood, not processed	Buck, pile, and burn. Can disperse across guard if care is taken to knock off branches and ensure timber is not elevated.	1	2	-	
						28.8	8.96	12	\$ 9,390.40
6-13-GM	DS	440	30	30m wide machine guard with minimal overburden	Dry seed	-	2.64	-	
ST65	RD	-	-	S4, not stream data from Tolko. Defaulted to S4 until a proper stream assessment can be done	remove log bundles, do not disturb natural creek bed, remove unstable sidecast and fill from banks, place logs and CWD in an interlocking contoured fashion on either side of crossing above the highwater mark, apply erosion control to banks as needed (coco-coir mat, straw, etc.), stabilize banks with rock as needed, full rehab guard within RMA or within area that may create sediment and erosion deposition into the stream. Grass seed rehab area.	6	-	6	
ST66	BPD	-	-	Decked wood, not processed, 50m3 Hw	Buck, pile, and burn. Can disperse across guard if care is taken to knock off branches and ensure timber is not elevated.	1	2	-	
ST67	RD	-	-	NCD, draw has been filled in by the guard surface.	Restore the draw contour, remove debris, and and ensure a flow path across the guard	3	-	-	
						10	4.64	6	\$ 3,910.00
6-14-REM	DS	909	10	Existing road with daylighting and scraped banks (10m)	Dry seed daylighted areas and scraped areas. Ensure drainage is maintained at any existing water control points in addition to proposed points.	-	1.82	-	
ST68	SBP	-	-	Slash piles (2)	Burn 2 slash piles	-	2	-	
ST69	BPD	-	-	Decked wood, not processed, aspen	Buck, pile and burn. Processing, loading, and hauling is an option.	1	2	-	
ST70	BPD	-	-	Decked wood, not processed	Buck, pile and burn. Processing, loading, and hauling is an option.	1	2	-	
IP34	CD	20	-	Ditch filled in	clean ditch out	0.2	-	-	
						2.2	7.82	0	\$ 1,517.60
6-15-GM	PB, DS	540	25	25m wide machine guard on 25-30% slope on hummocky ground. Some water control measures are in place, but additional measures will be implemented.	Pull back overburden, disperse CWD onto the surface, and dry seed.	13.5	2.7	-	
IP28	W	-	-		water bar install	0.3	-	-	
						13.8	2.7	0	\$ 3,725.40
6-16-REM	DS	609	15	Existing road, water control measures (water bars) have been implemented	Dry seed. Ensure drainage is maintained at any existing water control points in addition to proposed points.	-	1.83	-	
IP28	SBP	-	-	Slash pile	Burn the slash pile	-	1	-	
						0	2.83	0	\$ 378.75
6-17-REM	DS	1355	10	Existing road with 5m bladed width to either side.	Dry seed. Ensure drainage is maintained at any existing water control points in addition to proposed points.	-	2.68	-	
IP29	BPD	-	-	Decked wood, not processed, 5m3	Buck, pile and burn with IP30 if possible. Processing, loading, and hauling is an option.	1	2	-	
IP30	BPD	-	-	Decked wood, not processed, 5m3	Buck, pile and burn with IP29 if possible. Processing, loading, and hauling is an option.	1	2	-	
IP31	SBP	-	-	Slash pile	Burn the slash pile	-	1	-	
IP32	SBP	-	-	Slash pile	Burn the slash pile	-	1	-	
						2	8.68	0	\$ 1,105.50
6-18-GM	-	342	20	This guard parallels the low side of the road and is rock controlled	No treatment	-	-	-	
IP33	SBP	-	-	Slash pile	Burn the slash pile	-	1	-	
						0	1	0	\$ 150.00
6-19-GM	PB, DS	312	15	15m machine guard on 30-35% slopes that runs along the edge of a plantation	Pull back overburden, distribute CWD over the surface, and dry seed	4.65	0.93	-	
IP35	PBD	-	-	Decked wood, not processed (30m3 total, Ac70pl30)	Contour lay CWD across guard. Ensure logs are not elevated.	-	-	-	
IP36	PBD	-	-	Decked wood, not processed (30m3 total, Ac70pl30)	Contour lay CWD across guard. Ensure logs are not elevated.	-	-	-	
IP37	PBD	-	-	Decked wood, not processed (30m3 total, Ac70pl30)	Contour lay CWD across guard. Ensure logs are not elevated.	-	-	-	
						4.65	0.93	0	\$ 1,257.83
6-20-REM	CD	465	15	Existing road with 15m of treatment width	Clean the ditch along the entire length of the guard. Ensure drainage is maintained at any existing water control points in addition to proposed points.	4.65	-	-	
IP38	BPD	-	-	Decked wood, not processed, aspen	Buck, pile and burn. Processing, loading, and hauling is an option. Can disperse across the landing if care is taken to knock off branches and ensure timber is not elevated.	1	2	-	
IP39	BPD	-	-	Decked wood, not processed, CwEp 20m3	Buck, pile and burn. Processing, loading, and hauling is an option. Can disperse across the landing if care is taken to knock off branches and ensure timber is not elevated.	1	2	-	
						6.65	4	0	\$ 2,094.85
6-21-REM	-	1743	15	Existing road with 15m of treatment width	No treatment, besides rehab points below	-	-	-	
IP40	BPD	-	-	Decked wood, non merch, ATAcEpCw	Buck and pile away from timber edge before burning	1	2	-	
IP41	BPD	-	-	Decked wood, non merch CW	Buck and pile away from timber edge before burning	1	2	-	
						2	4	0	\$ 941.00
7-1-REM	-	1236	-	An old vegetated road	No treatment. Connects to unassessed guard (snow cover)	-	-	-	
						0	0	0	\$ -

Guard/Feature	Treatment type	Length (m)	Average Width (m)	Feature Description	Prescription	Excavator	General Labour	Professional Labour	Cost Estimate
8-1-GM	RC, DS	74	10	Completed machine guard adjacent to a S6 stream.	Recontour, pullback CWD ontop of surface, dry seed	1.125	0.15	-	
IP48	CD	20	-	Ditch filled in at the junction of 8-1-GM and 8-3-REM	Clean the ditch at the junction of 8-1-GM and 8-3-REM	0.2	-	-	
						1.325	0.15	0	\$ 344.04
8-2-GM	DS	441	30	Completed machine guard with lots of CWD and stumps	Dry seed beyond prescribed water control measures below	-	2.64	-	
IP49	CC	-	-	culvert sump full	Dig out sump	0.5	0.5	-	
IP50	CD	20	-	Ditch filled in at the junction of 8-2-GM and 8-3-REM	Clean the ditch at the junction of 8-2-GM and 8-3-REM	0.2	-	-	
						0.7	3.14	0	\$ 539.35
8-3-REM	-	6,126	5	Existing road with intermittent daylighting	No treatment, besides rehab points below	-	-	-	
IP42	SBP	-	-	X3 slash piles	Burn all 3 slash piles	-	3	-	
IP43	BPD	-	-	decked wood/slash pile. 30m3 FdHw	Buck, pile, and burn	1	2	-	
IP44	SBP, CD	25	-	A cleared landing area with X3 slash piles and a section that needs ditch cleaning	Burn all 3 slash piles, and clean out the ditch that has been filled in	0.25	3	-	
IP45	SBP	-	-	Slash pile	Burn slash pile	-	1	-	
IP46	CD	25	-	Ditch is filled in	Clean the ditch out	0.25	-	-	
IP47	SBP	-	-	Slash pile (large)	Burn slash pile	-	1	-	
						1.5	10	0	\$ 1,793.25
9-1-GM	PB, DS	151	10	Completed machine guard with a bladed edge and 30% slope	Pull back over burden and dry seed	2.25	0.3	-	
IP52	RD	-	-	20m wide dry draw that has been infilled with debris from the guard surface	Restore the draw contour, remove debris, and and ensure a flow path across the guard	3	-	-	
						5.25	0.3	0	\$ 1,626.38
10-1-REM	-	7,279	10	Existing road (Mabel Lake Main)	No treatment, besides rehab points below	-	-	-	
IP51	-	-	-	Recently widened area, already grass seeded	No treatment	-	-	-	
IP53	CD	20	-	Ditch filled in	Clean out the ditch	0.2	-	-	
CP13	CD	20	-	Ditch is filled in	Clean out the ditch	0.2	-	-	
ST71	CD	20	-	Ditch is filled in	Clean out the ditch	0.2	-	-	
						0.6	0	0	\$ 147.30
TOTALS	Length (m)	48522				Excavator (hr)	Total General Labour (hr)	Professional Labour	
						637.385	214.91	24	\$ 174,565.79