Alberta Transportation Southern Region Geohazard Assessment Site S15 – Crowsnest Lake Rockfall Barrier Net, Highway 3:02 CG25277.B September 2008





## Photo S15-1 – June 2008

Facing upslope at the barrier net and towards the rockfall source area on the slope above the highway. Note the extremely large volume of accumulated debris behind the net, which could allow a rockfall to bounce and roll all the way to the net without first losing kinetic energy by bouncing on the ground between the net and the gully outlet. Alberta Transportation Southern Region Geohazard Assessment Site S15 – Crowsnest Lake Rockfall Barrier Net, Highway 3:02 CG25277.B September 2008





## Photo S15-2 – June 2008

Facing downslope from the apex of the rockfall debris cone behind the barrier net. Note the large rocks that have accumulated on the net itself. These are from large rockfall events (but within the design capacity of the barrier net if the net is properly maintained) that have fallen over the past year.

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## Photo S15-3 - June 2008 (left)

Facing west across the barrier net. Note how the lack of tension in the lower seam cable has allowed the net to bulge outwards towards the highway. Also note how the toe of the debris cone is encroaching onto the net.



## **Photo S15-4 – June 2008** (right)

Closer view of the debris cone encroaching onto the net, in proximity to a gap in the ring net that could allow rocks to roll and fall through the net and onto the highway. The ring net can be repaired by replacing the individual broken rings, as per the inspection and maintenance procedures listed in the manufacturer's guidelines for the barrier net.