

Incident Summary #II-744934-2018 (#8435) (FINAL)

SUPPORTING INFORMATION	Incident Date	August 31, 2018	
	Location	Whistler	
	Regulated industry sector	Amusement Devices - Amusement ride	
	Impact	Qty injuries	1
		Injury description	Hand injury, closed fracture with deformity, abrasions, and lacerations.
		Injury rating	Moderate
	Damage	Damage description	N/A
		Damage rating	None
Incident rating	Moderate		
Incident overview	Adult rider's hand injured during ride cycle.		
INVESTIGATION CONCLUSIONS	Site, system and components	The ride is a bobsleigh type ride. Carts are conveyed uphill from a bottom station loading area by a surface ropeway system. Carts then roll downhill from the top station (by gravity) over a smooth flume shaped stainless steel track with multiple corners. The cart accommodates one or two passengers (passengers can sit behind each other) and is controlled by a handbrake located between the rider's legs. Pulling the handbrake handle causes the cart to stop; pushing of the handle causes the brakes to release, allowing the cart to accelerate.	
	Failure scenario(s)	Rider's hand was caught between the cart they were riding and the track (flume) system.	
	Facts and evidence	<p>Statements provided by the operator indicate that:</p> <ul style="list-style-type: none"> An adult rider arrived at the bottom station and got off of the cart they were riding. A few moments later the spouse of the rider informed the attendant on duty at the bottom station that the rider seemed to have fractured their hand. The spouse indicated that the rider had caught their hand between the cart and track. The first aid attendant providing care indicated that the "patient" was in a lot of pain and was unable to elaborate on the cause of the injury. The first aid attendant agreed that the spouses statement aligned with the injury of the "patient". (The exact location on the track was not determined). <p>Signage at the ride start indicates that, "Riders must have both hands on the brake at all times. Keep hands and feet inside the cart and Never Touch the Track". (See photo 1)</p>	
	Causes and contributing factors	It is not possible that the riders hand would have been caught between the cart and the track if both hands had been on the brake. It is likely that instructional signage related to riders keeping both hands on the brake and riders not touching the track were not being followed.	

Figure 1, Instructional Signage at the Ride Start, See Rule Number 5.



Figure 2, Rider on a cart with the attendant, Rider has both hands on brake

