



MOUNTAIN BIKE TRAIL DIFFICULTY RATING MATRIX

DRAFT







Cumulative specification:
If three or more specifications that are highlighted yellow are exceed a specific level rating then next higher rating applies to trail rating.

Roll cursor over any specification in order to view an illustration:



** IF THE ILLUSTRATION VIEWER WINDOW STARTS TO GLITCH (IE. SHOW PAST IMAGES, CLOSE PDF & RE-OPEN)
RECOMMENDED TO USE LATEST VERSION OF ADOBE READER DC



	*NOT PERMITTED UNDER RSTBC POLICY					
	 EASIEST USE AT OWN RISK Easiest White Circle	 EASY USE AT OWN RISK Easier Green Circle	 MORE DIFFICULT USE AT OWN RISK More Difficult Blue Square	 MOST DIFFICULT USE AT OWN RISK Most Difficult Black Diamond	 EXTREMELY DIFFICULT USE AT OWN RISK Expert Unlimited Dbl Black Diamond	 PRO LINE USE AT OWN RISK Pro Line Pro Line*
Specifications / Features						
Trail Corridor Height	3.0	2.4	NA	NA	NA	
Trail Corridor Width	1 metre	1 metre	1 metre	1 metre	1 metre	
Trail Tread Width	60cm or greater	40cm or greater	30cm or greater	20cm or greater	No minimum width	
Minimum Tum Radius	3.2 metres or greater	2.5 metres or greater	1.8 metres or greater	No minimum	No minimum	
GRADIENT						
Preferred (Maximum) Average Grade	2% or less	5% or less	8% or less	12% or less	15% or less	Greater than 15%
Maximum Climbing Grade	8% or less	15% or less	25% or less	30% or less	No limit	No limit
Maximum Descending Grade	8% or less	15% or less	25% or less	No limit	No limit	No limit
Sustained Climbing Grade	5% or less	8% or less	12% or less	20% or less	30% or less	Greater than 30%
Sustained Descending Grade	5% or less	15% or less	20% or less	25% or less	30% or less	Greater than 30%
Exposure (Slope below trail)	10% or less	15% or less	40% or less	60% or less	Greater than 60%	Greater than 60%
TRAIL TREAD OBSTACLES						
Embedded Trail Obstacles	Very infrequent	Infrequent	Frequent	Very frequent	Extremely frequent	
Obstacle Maximum Height	5cm or less	10cm or less	25cm or less	40cm or less	60cm or less	Greater than 60cm
Obstacle Orientation	Perpendicular +/- 5 deg	~ Perpendicular +/- 15 deg	Any	Any	Any	
Sustained Obstacle Length	No obstacles	3 metres or less @ 5cm	3 metres or less @ 10cm	3 metres or less @ 25cm	3 metres or less @ 40cm	More than 3 metres or greater than 40cm
TECHNICAL TRAIL FEATURES (TTFs)						
Filter at Trailhead	Unnecessary given features of this rating	Unnecessary given features of this rating	Required	Required	Required	
Filter	Unnecessary given features of this rating	Unnecessary given features of this rating	Recommended	Recommended	Recommended	
TTF Ratings & Optional TTFs	Can have optional Green Circle TTFs	Can have optional Blue Square TTFs	Can have optional Black Diamond TTFs	Can have optional Dbl Black Diamond TTFs	All TTFs must be Dbl Black Diamond or lower in rating	
TTF Ride / Walk Around Option	Unnecessary given features of this rating	Ride around offered on ALL technical trail features	Ride around offered on ALL technical trail features of More Difficult rating	Black Diamond rated TTF has ride around option; blue rated TTF on black diamond trail does not require ride around	TTF with mandatory air has ride around option to bypass feature; other TTF need to be 'walkable' but without a specified walk line	
Fall Zone	Minimal desired given no technical features	1.0m from edge of trail	1.5m from edge of trail	1.5m from edge of trail	1.0m from edge of trail	
Rock Face / Ramp Descent Maximum Drops	N/A	25% or less	50% or less	120% or less	173% or less	More than 173%
TTF Maximum Height	No drops	No drops	Less than 30cm	Less than 1.0 metres	Less than 2.0 metres	Greater than 2.0 metres
TTF Width to Heigh Ratio	5cm or less	30cm or less	2.0 metres or less	3.0 metres or less	4.0 metres or less	Greater than 4.0 metres
	3:1	2:1	1:2	1:3	1:4	Exceeds 1:4
WALL RIDES						
Maximum Angle	No wall rides	50% or less	100% or less	150% or less	200% or less	Greater than 200%
On-Off Ramps	No wall rides	Required	Required	Required	May have gap on-off ramps	
TEETER-TOTTERS						
Placement	No teeter-totTERS	Only permitted in skill development area	Only as optional TFF off main line	Only as optional TFF off main line	Can be mainline of trail but must be signed.	On main line of trail
Maximum Pivot Height	N/A	30cm or less	60cm or less	1.0 metres or less	1.0 metres or less	Greater than 1.0 metre
Pivot Path	N/A	Fixed	Fixed	Fixed	Variable	
Max Gradient of Ascent / Descent	N/A	8% or less	12% or less	20% or less	20% or less	Greater than 20%
JUMPS						
Landings / Transitions	N/A	Minimum 2 x lip	Minimum 2 x lip	Minimum 2 x lip	Minimum 2 x lip	
Sideslopes (If build out of soil)	N/A	2:1	2:1	1:1	1:1	Steeper than 1:1
Tabletop - Simple	N/A	Maximum Height 1.0 metre	Max. Height 1.5 metres	Max. Height 3.0 metres	Max. Height 4.0 metres	Greater than 4.0 metres
Tabletop - Complex	N/A	Maximum Height 1.0 metre	Max. Height 1.5 metres	Max. Height 3.0 metres	Max. Height 4.0 metres	Greater than 4.0 metres
Roller Double - Simple	N/A	Max Height 1.0 metre	Maximum Height 1.5 metres	Max. Height 2.0 metres	Max. Height 3.0 metres	Greater than 3.0 metres
Roller Double - Complex	N/A	N/A	Maximum Height 0.7 metres	Max. Height 1.5 metres	Max. Height 3.0 metres	Greater than 3.0 metres
Gap Double - Simple	N/A	N/A	N/A	N/A	Max. Height 2.5 metres	Greater than 2.5 metres
Gap Double - Complex	N/A	N/A	N/A	N/A	Max. Height 2.5 metres	Greater than 2.5 metres
Step-Up - Simple	N/A	Maximum Take-off Height 30cm.	Maximum Take-off Height 45cm	Maximum Take-off Height 60cm	Maximum Take-off Height 2.0 metre	Greater than 2.0 metres
Step-Up - Complex	N/A	N/A	Maximum Take-off Height 30cm.	Maximum Take-off Height 45cm	Maximum Take-off Height 2.0cm	Greater than 2.0 metres
Step Down - Simple	N/A	N/A	Maximum Height 30cm	Maximum Height 45cm	Maximum Height 60cm	Greater than 60cm
Step Down - Complex	N/A	N/A	N/A	Maximum Height 30cm	Maximum Height 60cm	Greater than 60cm