

Fairlee Forest Trails Assessment
Use for Planning Trail Use(s) and Estimating Trail Restoration Costs

Road-Trail-Landing Name	Length FT ¹	Green	LF Cobbled	LF Severe	Water Bar Equivalents ⁵	Settling Basins Needed	LF Ditch Needed	LF Dugway Existing	WQ Areas Existing	Crossings Existing	WQ/AMP Type	Repair Cost (Est/Actual)
Howdy's: BT Parking to Lewis ² Other repairs needed Fall 2020 Repair Work Completed	7400	0%	4500	3000	55	5	600	600	2	1	3 Fords 1 Culvert Stream GFB	Actual \$\$
Jim O's Landing		80%										Actual \$\$
BTR: BT Parking to Ackerman ^{3 4} Other repairs needed Other repairs needed	2900	0%			35	??	200'--500'		2	1	Erosion into GFB 1 Culvert Stream GFB 1 Culvert Stream GFB	
BTR: To BT Parking BT Parking Area	1000	0%	100% Mud		3		800'				3 Ditch -> Culverts	
XMTN S: Knox to Branches	4700	5%										Actual \$\$
XMTN S: NW Branch ³ XMTN S: SE Branch	1100 850	0% 0%	950 750	800 650	35 15	8 1	200'--400'		2 1	1	Erosion into GFB Erosion into GFB	
XMTN S: SE Branch to BTR Other repairs needed	450	0%		300	5				2	1	1 Erosion into GFB 1 Culvert Stream GFB	
XMTN N: BTR to Chestnut Landing ⁴ Chestnut Landing ⁴	600	0% 60%	400				400'			1	Via BTR into GFB Long Water Bars	
XMTN N: Chestnut Landing to Long Property Wetlands: Mill Pond to BT	5600 2600	5% 0%	3500 1000	2000	45 25	1			1 4	1	1 Seep area into Wetlands 4 Ponding into Wetlands	
Wetlands: up BT Beaver	4000 4600	0% 10%	3500 4000	2500 2000	60-70 78				?? 2	??	Extreme Channeling and Erosion 2 Streams: GFB, into Wetlands	
Coyote Fern	1400 1500	10% 10%		500 150	11 16				1 1	1	1 300' Seep/Intermittent area into GFB 1 Culvert Stream PGB	
Ridge Knox	1700 7300	80% 0%								1	1 200'-300' Seep area into PGB	
S Bald Top	1800	0%	1200	500	12				1	1	1 Culvert Stream PGB	
	49,500			12400	395-405		2,700-3,100		25	22		

General Trail or Trail Segment Condition

Green	Grass or other vegetation is prominent road or trail surface
Cobbled	Rocks or boulders comprise most of trail surface
Severe Erosion	Trail devoid of fines down at least 12"
Dugway	Erosion so deep the entire trail surface is below surrounding ground level on both sides; ditches and water bars not possible
Repairs Info	Suggested repairs are listed both for Water Quality (VT State Law) and for Acceptable Management Practices (AMPs) violations (the repair count will be greater than the WQ count)

Footnotes:

- 1) All roads and trails noticeably channeled by trucks and/or OHRV activity; all need grading appropriate to repair work
 - 2) First 1200' repaired Fall 2020, items not listed here.
 - 3) Settling Basins likely fewer if ditches restored
 - 4) Waiting to discuss on site with Rick D or Mike W
 - 5) Water Bar Equivalents: (WBEs) Expressed where repair options include ditches, culverts, trail abandonment, etc. Used for purposes of planning and estimating costs
- Observations were made 8/2020-12/2020, near the end of an extended period of **Moderate Drought** conditions for **Orange county**, as declared by the NWS

11/18/2020
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Description and Possible Repair Details

3 Fords: 2x Perennial Stream WQ; 1 x Ponding 75', 1 x Ponding 200'; Grades exceed 30%; 500' Dugway needs ditch; possibly repair and abandon 2 of 4 "alt" branches and Replace 1 Large Culvert/Bridge
Repaired by Mike Wright Fall 2020
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2 extended areas of erosion discharge into GFB ascending above parking and under Chestnut Landing
Replace 1 Large Culvert/Bridge at BT Parking
Replace 1 Large Culvert/Bridge below Ackerman Property
Restore ditch; replace 2 culverts; add 1 culvert; add wear surface, grade to crown.
Restore ditch; Grade to ditch and water bar(s); Harden wear surface to resist periodic GFB flooding
Repaired by Bryce Limlaw during Fall 2020

2 Erosion Discharge into GFB; Deep Channeling; Grades to 40% in lower portion before the branch turns away from GFB; Repair and abandon?
Erosion Discharge into GFB; Grades to 40%; WQ at the lower end of the branch where erosion dumps onto main XMTN S and then into GFB; Repair and abandon?
2 Erosion Discharge into GFB along trail
Replace 1 Large Culvert/Bridge
Contributes to WQ; Erosion via uncontrolled flow from Chestnut Landing onto BTT

2 Long water bars; Chestnut drains onto BTT, causing several locs erosion discharge into GFB
Grades exceed 30%; 1 Ford: Erosion discharge into Wetlands; 2 WBs, 1 w/ SB
4 Ponding @150', 100', 200'; >400' all erosion into wetlands; Repair and close entire trail?
Frequent grades exceed 30%; Deep channeling and severe erosion over 90% of trail; Repair, close and relocate trail?
Fords: 1 x Perennial Stream; 1 x Intermittent Stream; Grades exceed 30%; Deep channeling and severe erosion over 75% of trail; repair full trail; close and relocate upper ;
Headwaters of feeder stream to GFB; 2 Fords, culverts or combo; Recent (last 2 years) damage since ATVs abandoned the XMTN S "branches"
Culvert needs replacing; Severe erosion to ledge; 25-30% grade
Had been mostly green until Summer 2020; ATVs seem to have abandoned S BT and Fern Trails and are now using Ridge to connect Knox to CRT
Erosion discharge into PGB; Between Fern and S Bald Top trails; ATV damage between Knox Rd and CRT, late Fall 2020
Culvert needs replacing; severe channeled erosion over 35% grade for approx 500'