



Stream Condition – Site: S17

Map Grid Location: E5 Site visit date/ team): 8/19/15 / JZ Drainage Area (Sq. Mi): 35.6
Stream name & Location: Little River at Hooker Falls Road
Streambed Substrate: Boulder, bedrock Length (ft): +/- 810 Bankfull Width (ft): +/- 50

Stream Condition and Function: Score from 0 to 4 indicating natural stream integrity and health (circle contributing factors): *0 = very poor; 1 = poor; 2 = fair; 3 = good; 4 = excellent*

1. Site and Watershed Conditions	1
<input type="checkbox"/> stormwater input	<input checked="" type="checkbox"/> sediment input
<input checked="" type="checkbox"/> trampled banks	<input checked="" type="checkbox"/> equine/dog impacts
<input type="checkbox"/> trail crossing	<input checked="" type="checkbox"/> trail in buffer
<input type="checkbox"/> bridge/culvert/armoring	<input checked="" type="checkbox"/> utilities
2. Channel Morphology and Condition	2
<input type="checkbox"/> overwide	<input type="checkbox"/> incised
<input type="checkbox"/> straightened	<input checked="" type="checkbox"/> eroding banks
<input type="checkbox"/> head-cutting	<input type="checkbox"/> lack of bedform diversity
<input type="checkbox"/> high bed scour	<input checked="" type="checkbox"/> excessive sediment deposition
3. Floodplain Morphology	4
<input type="checkbox"/> incised channel	<input type="checkbox"/> entrenched channel
<input type="checkbox"/> floodplain fill/ levees	<input type="checkbox"/> irregular/ obstructed floodplain
4. Vegetation	2
<input checked="" type="checkbox"/> narrow buffer width	<input type="checkbox"/> invasive plants (banks/floodplain)
<input checked="" type="checkbox"/> poor overstory/tree cover	<input checked="" type="checkbox"/> bare areas/mineral soil (banks/floodplain)
5. Habitat	3
<input checked="" type="checkbox"/> lack of woody debris	<input type="checkbox"/> poor water quality (turbid, algae, temperature)
<input type="checkbox"/> lack of diverse bedform/ flow	<input checked="" type="checkbox"/> lack of fine roots, leaf packs, coarse substrate
Score (of 20) and Rating (Poor 0-7; Fair 8-12; Good 13-17; Excellent 18-20)	12

Potential Solutions

<input checked="" type="checkbox"/> relocate/close trail	<input type="checkbox"/> trail crossing improvement
<input checked="" type="checkbox"/> vegetation planting	<input type="checkbox"/> mechanical grading
<input type="checkbox"/> in-stream structures	<input type="checkbox"/> watershed improvements
<input checked="" type="checkbox"/> preservation/ exclusion	<input type="checkbox"/> culvert rehabilitation/ replacement
<input type="checkbox"/> maintenance	<input checked="" type="checkbox"/> signs

Comments

Human access along Hooker Falls Road has led to excessive bare areas and sediment input. Potential solutions include relocating trail away from river and revegetating.

