Stream Condition – Site: S13

Map Grid Location: **E-F 5** Site visit date/ team): 8/19/15 / JZ Drainage Area (Sq. Mi.): 33.3
Stream name & Location: Little River upstream Staton Road
Streambed Substrate: Boulder, bedrock Length (ft): +/- 390 Bankfull Width (ft): +/- 45

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 — **2**

- ☒ stormwater input
- ☒ sediment input
- ☒ trampled banks
- ☐ equine/dog impacts
- ☐ trail crossing
- ☒ trail in buffer
- ☐ bridge/culvert/armoring
- ☐ utilities

2. Channel Morphology and Condition — **2**

- ☐ overwide
- ☐ incised
- ☐ straightened
- ☒ eroding banks
- ☐ head-cutting
- ☐ lack of bedform diversity
- ☐ high bed scour
- ☒ excessive sediment deposition

3. Floodplain Morphology — **3**

- ☐ incised channel
- ☒ entrenched channel
- ☐ floodplain fill/ levees
- ☐ irregular/ obstructed floodplain

4. Vegetation — **2**

- ☒ narrow buffer width
- ☐ invasive plants (banks/floodplain)
- ☒ poor overstory/tree cover
- ☒ bare areas/mineral soil (banks/floodplain)

5. Habitat — **2**

- ☒ lack of woody debris
- ☐ poor water quality (turbid, algae, temperature)
- ☐ lack of diverse bedform/ flow
- ☒ 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) — **11**

Potential Solutions

- ☒ relocate/close trail
- ☐ trail crossing improvement
- ☒ vegetation planting
- ☐ mechanical grading
- ☐ in-stream structures
- ☐ watershed improvements
- ☒ preservation/ exclusion
- ☐ culvert rehabilitation/ replacement
- ☐ maintenance
- ☒ signs

Comments

Wide trail in buffer serves as sediment source and lacks vegetation. Several informal trails to the water contribute to buffer impacts.

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