



Stream Condition – Site: S01

Map Grid Location: D10 Site visit date/ team): 4/13/15 / BK, JZ Drainage Area (Sq. Mi.): 0.89  
Stream name & Location: Stream along Corn Mill Shoals Trail  
Streambed Substrate: Sand / Gravel Length (ft): +/- 235 Bankfull Width (ft): +/- 6

**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*

<b>1. Site and Watershed Conditions</b>	<b>2</b>
<input type="checkbox"/> stormwater input	<input checked="" type="checkbox"/> sediment input
<input type="checkbox"/> trampled banks	<input type="checkbox"/> equine/dog impacts
<input checked="" type="checkbox"/> trail crossing	<input checked="" type="checkbox"/> trail in buffer
<input checked="" type="checkbox"/> bridge/culvert/armoring	<input type="checkbox"/> utilities
<b>2. Channel Morphology and Condition</b>	<b>3</b>
<input type="checkbox"/> overwide	<input type="checkbox"/> incised
<input type="checkbox"/> straightened	<input 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
<b>3. Floodplain Morphology</b>	<b>3</b>
<input type="checkbox"/> incised channel	<input type="checkbox"/> entrenched channel
<input checked="" type="checkbox"/> floodplain fill/ levees	<input type="checkbox"/> irregular/ obstructed floodplain
<b>4. Vegetation</b>	<b>3</b>
<input checked="" type="checkbox"/> narrow buffer width	<input type="checkbox"/> invasive plants (banks/floodplain)
<input type="checkbox"/> poor overstory/tree cover	<input type="checkbox"/> bare areas/mineral soil (banks/floodplain)
<b>5. Habitat</b>	<b>3</b>
<input type="checkbox"/> lack of woody debris	<input type="checkbox"/> poor water quality (turbid, algae, temperature)
<input checked="" type="checkbox"/> lack of diverse bedform/ flow	<input type="checkbox"/> lack of fine roots, leaf packs, coarse substrate
<b>Score (of 20) and Rating</b> (Poor 0-7; Fair 8-12; Good 13-17; Excellent 18-20)	<b>14</b>

<b>Potential Solutions</b>	
<input checked="" type="checkbox"/> relocate/close trail	<input checked="" 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 type="checkbox"/> preservation/ exclusion	<input type="checkbox"/> culvert rehabilitation/ replacement
<input type="checkbox"/> maintenance	<input type="checkbox"/> signs

**Comments**  
See also P07; Corn Mill Shoals Trail in buffer, providing sediment/ stormwater source.

