



Stream Condition – Site: S03

Map Grid Location: E10 Site visit date/ team): 8/31/15 / JZ Drainage Area (Sq. Mi.): < 0.1

Stream name & Location: Tributary along Corn Mill Shoals Trail

Streambed Substrate: sand, gravel Length (ft): +/-1665 Bankfull Width (ft): +/- 8

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
<input checked="" type="checkbox"/> stormwater input <input type="checkbox"/> trampled banks <input type="checkbox"/> trail crossing <input checked="" type="checkbox"/> bridge/culvert/armoring	<input checked="" type="checkbox"/> sediment input <input type="checkbox"/> equine/dog impacts <input checked="" type="checkbox"/> trail in buffer <input checked="" type="checkbox"/> utilities
2. Channel Morphology and Condition	3
<input type="checkbox"/> overwide <input type="checkbox"/> straightened <input type="checkbox"/> head-cutting <input type="checkbox"/> high bed scour	<input type="checkbox"/> incised <input type="checkbox"/> eroding banks <input type="checkbox"/> lack of bedform diversity <input checked="" type="checkbox"/> excessive sediment deposition
3. Floodplain Morphology	3
<input type="checkbox"/> incised channel <input type="checkbox"/> floodplain fill/ levees	<input checked="" type="checkbox"/> entrenched channel <input type="checkbox"/> irregular/ obstructed floodplain
4. Vegetation	3
<input checked="" type="checkbox"/> narrow buffer width <input type="checkbox"/> poor overstory/tree cover	<input type="checkbox"/> invasive plants (banks/floodplain) <input checked="" type="checkbox"/> bare areas/mineral soil (banks/floodplain)
5. Habitat	3
<input type="checkbox"/> lack of woody debris <input type="checkbox"/> lack of diverse bedform/ flow	<input type="checkbox"/> poor water quality (turbid, algae, temperature) <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)	14

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 type="checkbox"/> preservation/ exclusion | <input type="checkbox"/> culvert rehabilitation/ replacement |
| <input type="checkbox"/> maintenance | <input type="checkbox"/> signs |

Comments

Trail in buffer with sediment/ stormwater runoff from trail directed to stream. Upland crosion from power line crossing is also sediment source.

