



Stream Condition – Site: S02

Map Grid Location: E9 Site visit date/ team): 4/13/15 / BK, JZ Drainage Area (Sq. Mi.): 18.3

Stream name & Location: Little River above Bridal Veil Falls

Streambed Substrate: Sand Length (ft): +/-1860 Bankfull Width (ft): +/- 35

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 checked="" type="checkbox"/> sediment input |
| <input checked="" type="checkbox"/> trampled banks | <input 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 checked="" type="checkbox"/> lack of bedform diversity |
| <input type="checkbox"/> high bed scour | <input checked="" type="checkbox"/> excessive sediment deposition |
| 3. Floodplain Morphology | 2 |
| <input checked="" type="checkbox"/> incised channel | <input checked="" type="checkbox"/> entrenched channel |
| <input type="checkbox"/> floodplain fill/ levees | <input type="checkbox"/> irregular/ obstructed floodplain |
| 4. Vegetation | 3 |
| <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) |
| 5. Habitat | 2 |
| <input checked="" 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 |
| Score (of 20) and Rating (Poor 0-7; Fair 8-12; Good 13-17; Excellent 18-20) | 11 |

Potential Solutions

- | | |
|---|--|
| <input checked="" type="checkbox"/> relocate/close trail | <input type="checkbox"/> trail crossing improvement |
| <input checked="" type="checkbox"/> vegetation planting | <input checked="" 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 type="checkbox"/> signs |

Comments

Trail (both open and closed – though still used) in buffer. Trails provide sediment source and restrict buffer vegetation. Lengthy powerline crossing affects buffer.

