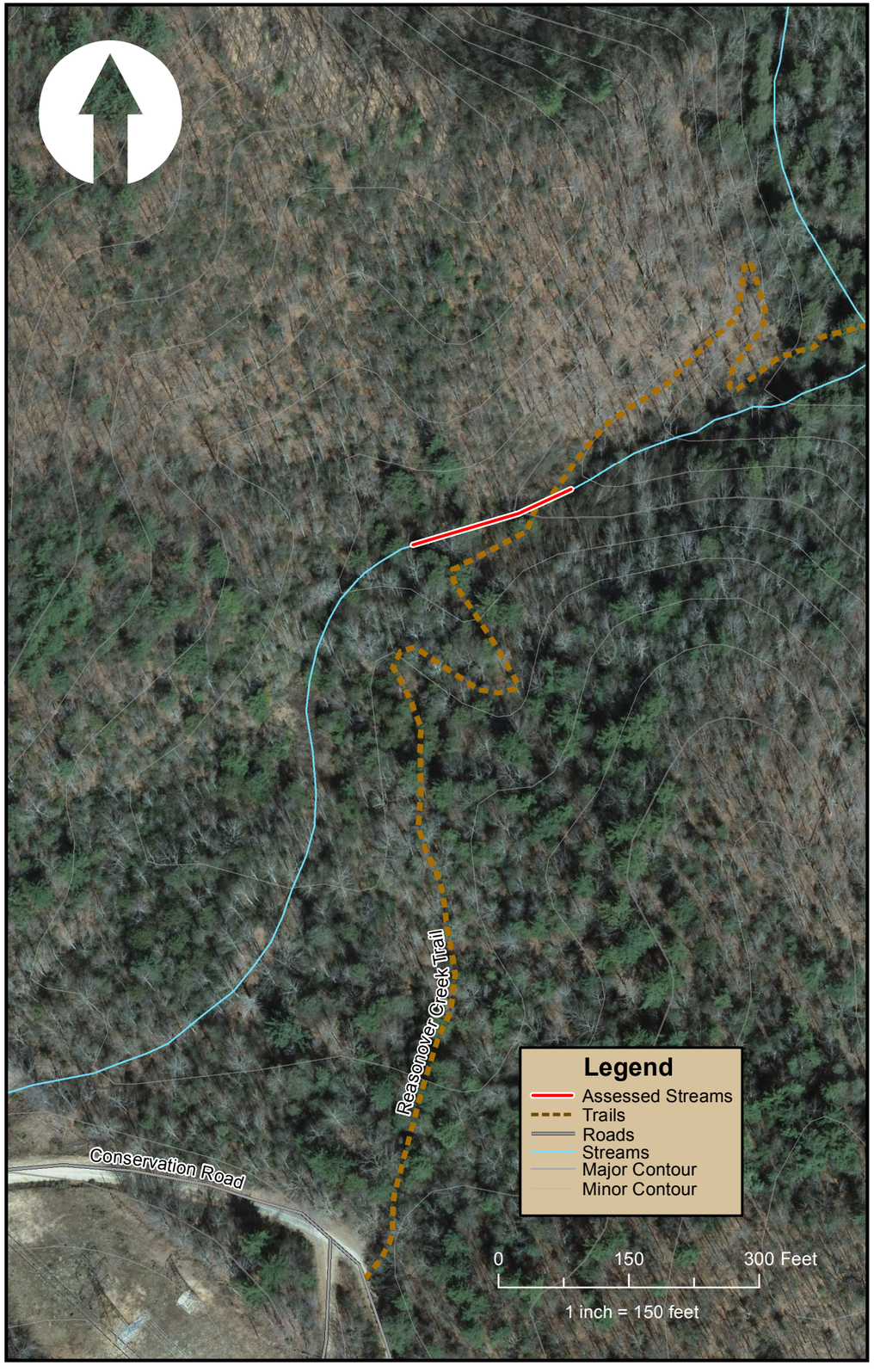

Stream Condition – Site: S06

Map Grid Location: **G11** Site visit date/ team): 8/17/15 / JZ Drainage Area (Sq. Mi.): 0.06
Stream name & Location: Tributary to Reasonover Creek
Streambed Substrate: Clay, fine gravel, bedrock Length (ft):+/- 200 Bankfull Width (ft): +/- 10

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 — **3**

- ☐ 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) — **12**

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

Eroding left bank just downstream of bedrock grade control, fine sediment deposition in channel; trail near channel serves as sediment source.

Kee Mapping & Surveying