Area of Concern – Site: P28

Map Grid Location: I 7 Site visit date/ team): 8/30/15/ JZ Drainage Area (Sq. Mi.): 0.52

Name & Location: Tributary at Joanna Road

1. **Culvert (diameter/material/length):** _____
   - ☐ clogged
   - ☐ crushed
   - ☐ lack of natural bed
   - ☐ safety hazard
   - ☐ aquatic organism passage/ perched
   - ☐ erosion (upstream/ downstream)
   - ☐ piping
   - ☐ overtopping

2. **Trail/ Road Impact (trail/ road name):** Joanna Road
   - ☒ stormwater input
   - ☐ bridge
   - ☒ unstable trail crossing
   - ☐ safety hazard
   - ☐ missing vegetation
   - ☒ sediment input
   - ☐ utilities
   - ☐ erosion
   - ☒ human impact (hiking/biking)
   - ☐ equine/dog impacts

3. **Upland/ Stormwater**
   - ☐ nonpoint source pollution
   - ☐ pollutant point source
   - ☐ upland erosion
   - ☐ unvegetated upland area

4. **Lake/Pond/ Reservoir (reservoir name):** _____
   - ☐ erosion
   - ☐ equine impact
   - ☐ safety hazard
   - ☐ lack of vegetation
   - ☐ human impact (hiking/biking)
   - ☐ water quality (temperature, algae, geese, fecal)

5. **Other Problem Area(s)** (list contributing factors)

Potential Solutions

- ☒ relocate trail/close trail/road
- ☐ vegetation/ shoreline planting
- ☐ stormwater treatment
- ☐ human/ animal exclusion
- ☐ signs
- ☐ maintenance
- ☒ trail/road crossing improvement
- ☐ mechanical grading
- ☐ animal watering
- ☐ culvert rehabilitation/ replacement
- ☐ culvert daylighting
- ☐ bridge replacement/improvement

Comments

Trail crossing serves as source of fine sediment. Potentially install sediment traps/ diversions on trail.

Kee Mapping & Surveying