

Stream & Location: Blodgett Creek UST of North Marks RoadRM: 1.50 Date: 06/25/20JUSTIN TELEPScorers Full Name & Affiliation: Northeast Ohio Regional Sewer DistrictRiver Code: 13-200-003 STORET #T04A17 Lat/Long: 41.3491 -81.8763Office verified location ☐

1) SUBSTRATE Check ONLY Two substrate TYPE BOXES; estimate % or note every type present

Check ONE (Or 2 & average)

BEST TYPES

- ☐ BLDG / SLABS [10]
☐ BOULDER [9]
☐ COBBLE [8]
☒ GRAVEL [7]
☐ SAND [6]
☐ BEDROCK [5]

POOL RIFFLE

- ☐ ☐
☐ ☒
☒ ☒
☒ ☒
☒ ☒

OTHER TYPES

- ☐ HARDPAN [4]
☐ DETRITUS [3]
☐ MUCK [2]
☐ SILT [2]
☐ ARTIFICIAL [1]

POOL RIFFLE

- ☐ ☐
☐ ☐
☐ ☒
☐ ☐
☐ ☐

ORIGIN

- ☐ LIMESTONE [1]
☐ TILLS [1]
☐ WETLANDS [0]
☐ HARDPAN [0]
☐ SANDSTONE [0]
☐ RIP/RAP [0]
☐ LACUSTURINE [0]
☐ SHALE [1]
☐ COAL FINES [2]

QUALITY

- ☐ HEAVY [-2]
☐ MODERATE [-1]
☒ NORMAL [0]
☐ FREE [1]
☐ EXTENSIVE [-2]
☒ MODERATE [-1]
☒ NORMAL [0]
☐ NONE [1]

SILT

EMBEDDEDNESS

Substrate

15.5
Maximum 20NUMBER OF BEST TYPES: ☒ 4 or more [2] ☐ 3 or less [0] 7+7+2+0+0+0.5

Comments

Gravel is shale origin. Very few rounded boulder + cobble.

2) INSTREAM COVER Indicate presence 0 to 3: 0-Absent; 1-Very small amounts or if more common of marginal quality; 2-Moderate amounts, but not of highest quality or in small amounts of highest quality; 3-Highest quality in moderate or greater amounts (e.g., very large boulders in deep or fast water, large diameter log that is stable, well developed rootwad in deep / fast water, or deep, well-defined, functional pools.

AMOUNT

Check ONE (Or 2 & average)

- ☐ UNDERCUT BANKS [1]
☒ OVERHANGING VEGETATION [1]
☒ SHALLOWS (IN SLOW WATER) [1]
☐ ROOTMATS [1]

- ☐ POOLS + DEBRIS [2]
☐ ROOTWADS [1]
☐ BOULDERS [1]

- ☐ CROBOWS, BACKWATERS [1]
☐ AQUATIC MACROPHYTES [1]
☐ LOGS OR WOODY DEBRIS [1]

- ☐ EXTENSIVE >75% [1]
☐ MODERATE 25-75% [7]
☒ SPARSE 5-25% [3]
☐ NEARLY ABSENT <5% [1]

Comments

1 + 1 + 1 + 1 + 3Cover
Maximum 20**7**

3) CHANNEL MORPHOLOGY Check ONE in each category (Or 2 & average)

SINUOSITY

- ☐ HIGH [4]
☐ MODERATE [3]
☒ LOW [2]
☐ NONE [1]

DEVELOPMENT

- ☐ EXCELLENT [7]
☐ GOOD [5]
☒ FAIR [3]
☐ POOR [1]

CHANNELIZATION

- ☒ NONE [6]
☐ RECOVERED [4]
☐ RECOVERING [3]
☐ RECENT OR NO RECOVERY [1]

STABILITY

- ☐ HIGH [3]
☒ MODERATE [2]
☒ LOW [1]

Comments

River right previously straightened to build park.2 + 3 + 4 + 6.5Channel
Maximum 20**12.5**

4) BANK EROSION AND RIPARIAN ZONE Check ONE in each category for EACH BANK (Or 2 per bank & average)

River right looking downstream

EROSION

- ☒ NONE / LITTLE [3]
☐ MODERATE [2]
☐ HEAVY / SEVERE [1]

RIPARIAN WIDTH

- ☐ WIDE > 50m [4]
☐ MODERATE 10-50m [3]
☒ NARROW 5-10m [2]
☐ VERY NARROW < 5m [1]
☐ NONE [0]

FLOOD PLAIN QUALITY

- ☐ FOREST / SWAMP [3]
☐ SHRUB OR OLD FIELD [2]
☒ RESIDENTIAL, PARK, NEW FIELD [1]
☐ FENCED PASTURE [1]
☐ OPEN PASTURE, ROWCROP [0]

- ☐ CONSERVATION TILLAGE [1]
☐ URBAN OR INDUSTRIAL [0]
☐ MINING / CONSTRUCTION [0]

Indicate predominant land use(s) past 100m riparian.

Comments

2.5 + 3 + 1Riparian
Maximum 10**6.5**

5) POOL / GLIDE AND RIFFLE / RUN QUALITY

MAXIMUM DEPTH

Check ONE (ONLY!)

- ☐ > 1m [6]
☐ 0.7-1m [4]
☒ 0.4-0.7m [2]
☐ 0.2-0.4m [1]
☐ < 0.2m [0]

CHANNEL WIDTH

Check ONE (Or 2 & average)

- ☒ POOL WIDTH > RIFFLE WIDTH [2]
☐ POOL WIDTH = RIFFLE WIDTH [1]
☐ POOL WIDTH < RIFFLE WIDTH [0]

CURRENT VELOCITY

Check ALL that apply

- ☐ TORRENTIAL [1] ☒ SLOW [1]
☐ VERY FAST [1] ☐ INTERSTITIAL [1]
☐ FAST [1] ☐ INTERMITTENT [2]
☒ MODERATE [1] ☐ EDDIES [1]

Indicate for reach - pools and riffles.

Recreation Potential
Primary Contact
Secondary Contact
(circle one and comment on back)

Comments

2 + 2 + 2Pool /
Current
Maximum 12**6**

Indicate for functional riffles; Best areas must be large enough to support a population of riffle-obligate species:

Check ONE (Or 2 & average).

☐ NO RIFFLE [metric=0]

RIFFLE DEPTH

- ☐ BEST AREAS > 10cm [2]
☒ BEST AREAS 5-10cm [1]
☐ BEST AREAS < 5cm [metric=0]

RUN DEPTH

- ☐ MAXIMUM > 50cm [2]
☒ MAXIMUM < 50cm [1]

RIFFLE / RUN SUBSTRATE

- ☐ STABLE (e.g., Cobble, Boulder) [2]
☒ MOD. STABLE (e.g., Large Gravel) [1]
☐ UNSTABLE (e.g., Fine Gravel, Sand) [0]

RIFFLE / RUN EMBEDDEDNESS

- ☐ NONE [2]
☒ LOW [1]
☐ MODERATE [0]
☐ EXTENSIVE [-1]

Riffle /
Run
Maximum 8**3**

Comments

1 + 1 + 0.5 + 0.56) GRADIENT 15.63 ft/mi

DRAINAGE AREA

12.97 mi²

- ☐ VERY LOW - LOW [2-4]
☒ MODERATE [6-10]
☐ HIGH - VERY HIGH [10-6]

%POOL:

%GLIDE:

%RUN:

%RIFFLE:

Gradient
Maximum 10**10**

