

Stream & Location: Shaw Brook UST Lakeshore Blvd RM: 0.40 Date: 6/24/71

Justin Telep Scorers Full Name & Affiliation: Northeast Ohio Regional Sewer District Office verified location

River Code: 19-144-000 STORET #: 302509 Lat./Long.: 41.5554-78.6018

1) SUBSTRATE Check ONLY Two substrate TYPE BOXES; estimate % or note every type present. Includes categories: BEST TYPES, OTHER TYPES, POOL RIFFLE, ORIGIN, QUALITY. Includes handwritten notes: 'Clay Sewer Pipes, Parking strips' and '9+1-2-1.5'.

2) INSTREAM COVER Indicate presence 0 to 3: 0-Absent; 1-Very small amounts... Includes categories: UNDERCUT BANKS, OVERHANGING VEGETATION, SHALLOWS, ROOTMATS, POOLS, ROOTWADS, BOULDERS, OXBOWS, BACKWATERS, AQUATIC MACROPHYTES, LOGS OR WOODY DEBRIS. Includes handwritten notes: '3 + 3'.

3) CHANNEL MORPHOLOGY Check ONE in each category (Or 2 & average). Includes categories: SINUOSITY, DEVELOPMENT, CHANNELIZATION, STABILITY. Includes handwritten notes: '3 + 1 + 6 + 1.5'.

4) BANK EROSION AND RIPARIAN ZONE Check ONE in each category for EACH BANK (Or 2 per bank & average). Includes categories: EROSION, RIPARIAN WIDTH, FLOOD PLAIN QUALITY. Includes handwritten notes: '2 + 1 + 0.5'.

5) POOL / GLIDE AND RIFFLE / RUN QUALITY MAXIMUM DEPTH, CHANNEL WIDTH, CURRENT VELOCITY. Includes handwritten notes: '2 + 2 + 0'.

Indicate for functional riffles; Best areas must be large enough to support a population of riffle-obligate species: RIFFLE DEPTH, RUN DEPTH, RIFFLE / RUN SUBSTRATE, RIFFLE / RUN EMBEDDEDNESS. Includes handwritten notes: '0'.

6) GRADIENT (66.7 ft/mi) DRAINAGE AREA (0.04 mi^2). Includes handwritten notes: 'Gradient > upper band of "very high" gradient classification'.

Comment RE: Reach consistency/Is reach typical of stream?; Recreation/Observed - Inferred, Other/ Sampling observations, Concerns, Access directions, etc.  
 Very small stream with majority of flow most likely coming from I-90 stormwater runoff. This stretch was fairly mised for its size. Riparian vegetation mostly Ivy and non-woody vegetation. No apparent sewage odor. Substrate organic muck and gravel. Culvert under Lakeshore Blvd. Extremely shallow during low flow and may serve as a barrier to free fish migration.

**AJ SAMPLED REACH**

Check ALL that apply

**METHOD**

- BOAT  WADE  L. LINE  OTHER
- DISTANCE  0.5 Km  0.2 Km  0.15 Km  0.12 Km  OTHER

**STAGE**

- 1st--sample pass--2nd  HIGH  UP  NORMAL  LOW  DRY

**CLARITY**

- 1st  < 20 cm  20-<40 cm  40-70 cm  > 70 cm/CTB  SECCHI DEPTH  1st \_\_\_\_\_ cm  2nd \_\_\_\_\_ cm

**CANOPY**

- > 85%- OPEN  55%-<85%  30%-<55%  10%-<30%  <10%- CLOSED

**BJ AESTHETICS**

- NUISANCE ALGAE  INVASIVE MACROPHYTES  EXCESS TURBIDITY  DISCOLORATION  FOAM / SCUM  OIL SHEEN  TRASH / LITTER  NUISANCE ODOR  SLUDGE DEPOSITS  CSOs/SSOs/OUTFALLS

**CJ RECREATION**

AREA DEPTH POOL:  >100ft²  >3ft

**DJ MAINTENANCE**

- PUBLIC / PRIVATE / BOTH / NA  ACTIVE / HISTORIC / BOTH / NA  YOUNG-SUCCESSION-OLD  SPRAY / SNAG / REMOVED  MODIFIED / DIPPED OUT / NA  LEVEED / ONE SIDED  RELOCATED / CUTOFFS  MOVING-BEDLOAD-STABLE  ARMURED / SLUMPS  ISLANDS / SCOURED  IMPOUNDED / DESICCATED  FLOOD CONTROL / DRAINAGE

**EJ ISSUES**

- WWTP / CSO / NPDES / INDUSTRY HARDENED / URBAN / DIRT & GRIME CONTAMINATED / LANDFILL BMPs-CONSTRUCTION-SEDIMENT LOGGING / IRRIGATION / COOLING BANK / EROSION / SURFACE FALSE BANK / MANURE / LAGOON WASH H<sub>2</sub>O / TILE / H<sub>2</sub>O TABLE ACID / MINE / QUARRY / FLOW NATURAL / WETLAND / STAGNANT PARK / GOLF / LAWN / HOME ATMOSPHERE / DATA PAUCITY

**FJ MEASUREMENTS**

- $\bar{x}$  width   $\bar{x}$  depth  max. depth   $\bar{x}$  bankfull width  bankfull  $\bar{x}$  depth  W/D ratio  bankfull max. depth  floodprone  $\bar{x}^2$  width  entrench. ratio

Legacy Tree:

**Stream Drawing:**

