

Stream & Location: Cuyahoga R @ Highland Rd.

RM: 24.1 Date: 8/2/17

STORET #: F01513

Scorer Name & Affiliation: Phillips

River Code: Lat./ Long.: (NAD 83 - decimal °)

Office verified location

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

Check ONE (Or 2 & average)

Substrate evaluation grid with categories: BEST TYPES (BLDR/SLABS, BOULDER, COBBLE, GRAVEL, SAND, BEDROCK), OTHER TYPES (HARDPAN, DETRITUS, MUCK, SILT, ARTIFICIAL), ORIGIN (LIMESTONE, OUTWASH, WETLANDS, SANDSTONE, RIP/RAP, LACUSTRINE, SHALE, COAL FINES), and QUALITY (HEAVY, MODERATE, NORMAL, FREE, EXTENSIVE, MODERATE, NORMAL, NONE).

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

AMOUNT

Check ONE (Or 2 & average)

Instream cover evaluation grid with categories: UNDERCUT BANKS, OVERHANGING VEGETATION, SHALLOWS, ROOTMATS, POOLS > 70cm, ROOTWADS, BOULDERS, OXBOWS, BACKWATERS, AQUATIC MACROPHYTES, LOGS OR WOODY DEBRIS.

Comments

Channel Maximum 20

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

Channel morphology evaluation grid with categories: SINUOSITY (HIGH, MODERATE, LOW, NONE), DEVELOPMENT (EXCELLENT, GOOD, FAIR, POOR), CHANNELIZATION (NONE, RECOVERED, RECOVERING, RECENT OR NO RECOVERY), STABILITY (HIGH, MODERATE, LOW).

Comments

Handwritten notes: erosion + shifting sand, stream really shifts, out side banks extensively stabilized, upst when sandy + sinuous.

Channel Maximum 20

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

River right looking downstream

RIPARIAN WIDTH

FLOOD PLAIN QUALITY

Bank erosion and riparian zone evaluation grid with categories: EROSION (NONE/LITTLE, MODERATE, HEAVY/SEVERE), RIPARIAN WIDTH (WIDE, MODERATE, NARROW, VERY NARROW, NONE), FLOOD PLAIN QUALITY (FOREST/SWAMP, SHRUB/OLD FIELD, RESIDENTIAL/PARK/NEW FIELD, FENCED PASTURE, OPEN PASTURE/ROWCROP), CONSERVATION TILLAGE, URBAN OR INDUSTRIAL, MINING/CONSTRUCTION.

Comments

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

Riparian Maximum 10

5] POOL / GLIDE AND RIFFLE / RUN QUALITY

MAXIMUM DEPTH

CHANNEL WIDTH

CURRENT VELOCITY

Check ONE (ONLY!)

Check ONE (Or 2 & average)

Check ALL that apply

Pool/glide and riffle/run quality evaluation grid with categories: MAXIMUM DEPTH (>1m, 0.7-1m, 0.4-0.7m, 0.2-0.4m, <0.2m), CHANNEL WIDTH (POOL WIDTH > RIFFLE WIDTH, POOL WIDTH = RIFFLE WIDTH, POOL WIDTH < RIFFLE WIDTH), CURRENT VELOCITY (TORRENTIAL, VERY FAST, FAST, MODERATE, SLOW, INTERSTITIAL, INTERMITTENT, EDDIES).

Comments

Pool / Current Maximum 12

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

RUN DEPTH

RIFFLE / RUN SUBSTRATE

RIFFLE / RUN EMBEDDEDNESS

Riffle/run quality evaluation grid with categories: RIFFLE DEPTH (BEST AREAS > 10cm, 5-10cm, < 5cm), RUN DEPTH (MAXIMUM > 50cm, MAXIMUM < 50cm), RIFFLE / RUN SUBSTRATE (STABLE, MOD. STABLE, UNSTABLE), RIFFLE / RUN EMBEDDEDNESS (NONE, LOW, MODERATE, EXTENSIVE).

Comments

Riffle / Run Maximum 8

6] GRADIENT (4.76 ft/mi)

DRAINAGE AREA (mi²)

%POOL: []

%GLIDE: []

%RUN: []

%RIFFLE: []

Gradient Maximum 10

- METHOD**
- BOAT
 WADE
 L. LINE
 OTHER
- DISTANCE**
- 0.5 Km
 0.2 Km
 0.15 Km
 0.12 Km
 OTHER
- SECCHI DEPTH**
- 1st pass _____ cm
 2nd pass _____ cm
- CANOPY**
- > 85% - OPEN
 55% - < 85%
 30% - < 55%
 10% - < 30%
 < 10% - CLOSED

_____ meters

Comment RE: Reach consistency/Is reach typical of stream?, Recreation/Observed - Inferred, Other/Sampling observations, Concerns, Access directions, etc.

Most open pools mostly throughout. River small from 1991 @ Boston Mills.

lots of vlog smallmouth

Consider maintenance status and basin issues. Write something to aide understanding of overall QHEI score.

Stream Drawing:

