MACROINVERTEBRATE HABITAT ASSESSMENT

Form updated: 07/23/2008

SITE NAME:_____ **WBID #:**_____

LEAD INVESTIGATOR:_____ **DATE:**_____ **TIME (MILT):**_____

RIFFLE
('X' OUT IF NOT COLLECTED)

% OF SAMPLE COLLECTED: _____

UNIT OF EFFORT (M^2): _____

CPOM IN SAMPLE
1 - ABSENT (0%)
2 - SPARSE (>0, <5%)
3 - MODERATE (>5, <25%)
4 - ABUNDANT (>25%)

EMBEDDEDNESS _____%

SUBSTRATE TYPE & PERCENT (%)
1 - SILT & CLAY _____%
2 - SAND _____%
3 - GRAVEL _____%
4 - COBBLE _____%
5 - BOULDER _____%
6 - BEDROCK _____%
7 - HARD PAN CLAY _____%

SUBSTRATE ROUGHNESS
1 - LOW (>75% REMOVED)
2 - MODERATE (>25, <75%)
3 - HIGH (<25%)

VELOCITY TYPICAL MAXIMUM
1 - LOW (0.2-0.5 FPS; 0.061-0.15 MPS)
2 - MEDIUM (0.5-1 FPS; 0.152-0.305 MPS)
3 - HIGH (>1 FPS; 0.305 MPS)

NON– *FILAMENTOUS ALGAE*
1 - SPARSE (THIN FILM)
2 - MODERATE (SLIGHTLY FUZZY <5MM)
3 - ABUNDANT (DEFINITELY FUZZY >5MM)

FILAMENTOUS ALGAE
1 - ABSENT (0%)
2 - SPARSE (>0, <5%)
3 - MODERATE (>5, <25%)
4 - ABUNDANT (>25%)

AQUATIC MOSS
1 - ABSENT (0%)
2 - SPARSE (>0, <5%)
3 - MODERATE (>5%, <25%)
4 - ABUNDANT (>25%)

STREAMSIDE VEGETATION
('X' OUT IF NOT COLLECTED)

% OF SAMPLE COLLECTED: _____

UNIT OF EFFORT (MIN): _____

CPOM (NON ROOTS) IN SAMPLE
1 - ABSENT (0%)
2 - SPARSE (>0, <5%)
3 - MODERATE (>5, <25%)
4 - ABUNDANT (>25%)

PRESENCE
1 - OCCASIONAL (>50 M FOR SAMPLE)
2 - COMMON (10-50 M FOR SAMPLE)
3 - ABUNDANT (10 M FOR SAMPLE)

TYPE (>1/4 OF SAMPLE)
1 - GRASS-LIKE LEAVES
2 - FINE ROOTS
3 - COARSE ROOTS
4 - *LUDWIGIA* STEMS (WATER WILLOW)

VELOCITY TYPICAL MAXIMUM
1 - LOW (0.2-0.5 FPS; 0.061-0.15 MPS)
2 - MEDIUM (0.5-1 FPS; 0.152-0.305 MPS)
3 - HIGH (>1 FPS; 0.305 MPS)

NON– *FILAMENTOUS ALGAE*
1 - SPARSE (THIN FILM)
2 - MODERATE (SLIGHTLY FUZZY <5MM)
3 - ABUNDANT (DEFINITELY FUZZY >5MM)

FILAMENTOUS ALGAE
1 - ABSENT (0%)
2 - SPARSE (>0, <5%)
3 - MODERATE (>5, <25%)
4 - ABUNDANT (>25%)

WOODY DEBRIS
('X' OUT IF NOT COLLECTED)

% OF SAMPLE COLLECTED: _____

UNIT OF EFFORT (MIN): _____

CPOM (NON WOODY) IN SAMPLE
1 - ABSENT (0%)
2 - SPARSE (>0, <5%)
3 - MODERATE (>5, <25%)
4 - ABUNDANT (>25%)

PRESENCE
1 - OCCASIONAL (>50 M FOR SAMPLE)
2 - COMMON (10-50 M FOR SAMPLE)
3 - ABUNDANT (10 M FOR SAMPLE)

SIZE
1 - SMALL (0.6-2.0 CM)
2 - MEDIUM (2.0-7.5 CM)
3 - LARGE (>7.5 CM)

STATE OF DECAY
1 - LOW (INDENTATION 0 - 0.5 MM)
2 - MEDIUM (INDENTATION 0.5 - 2 MM)
3 - HIGH (INDENTATION >2 MM)

VELOCITY TYPICAL MAXIMUM
1 - LOW (0.2-0.5 FPS; 0.061-0.15 MPS)
2 - MEDIUM (0.5-1 FPS; 0.152-0.305 MPS)
3 - HIGH (>1 FPS; 0.305 MPS)

NON– *FILAMENTOUS ALGAE*
1 - SPARSE (THIN FILM)
2 - MODERATE (SLIGHTLY FUZZY <5MM)
3 - ABUNDANT (DEFINITELY FUZZY >5MM)

FILAMENTOUS ALGAE
1 - ABSENT (0%)
2 - SPARSE (>0, <5%)
3 - MODERATE (>5, <25%)
4 - ABUNDANT (>25%)

COMMENTS:

FOR OFFICE USE ONLY