DELAWARE RAPID ASSESSMENT Version 6.0

Site # _____ Site Name _____ Date _____

Observers _____ Basin _____ Completed? ☐

HGM Class _____ HGM sub-class: **Flat: Mineral or Organic   DEP: Mineral or Organic or Sea Level Fen**

Riverine: Upper Per or Lower Per or Beaver Imp. or Human Im   Stream Order _____

Natural Re-establishment Establishment Rehabilitation Enhancement (circle one)   Reference / Assessment / Other (circle one)

Watershed _____ Subwatershed _____ Year restored _____ Photos _____

lat/long _____ AA size and shape _____

AA moved from original location?   yes   or   no   (circle one)   If yes, reason _____

Qualitative Disturbance Rating: Least Disturbed 1   2   3   4   5   6   Highly Disturbed (circle one number)

HABITAT/PLANT COMMUNITY (within site)   Weight

DOMINANT FOREST AGE
_____

☐ >50 years
☐ 31-50 years
☐ 16-30 years
☐ 3 - 15 years
☐ </= 2 years

HARVESTING w/in 50yrs
_____

☐ Clear Cut
  ☐ <10%   ☐ 11-50% ☐ >50%
☐ Selective Cut

% of AA forested _____

Test metric - only complete when DECAP also performed
BAF(10) (of dominant forest) _____

Forest Management

☐ Pine plantations
☐ Chemical defoliation

Vegetation Alteration
check all present

☐ Mowed
☐ Farmed
☐ Grazed
☐ Cleared not recovering
☐ Other _____

PRESENCE OF INVASIVE SPECIES

NOT Dominating

☐ < 1%   ☐ 1 - 5%   ☐ 6 - 50%

Dominating

☐ > 50%

☐ **EXCESSIVE HERBIVORY**
   (e.g. pinebark beetle, gypsy moth, nutria)

HABITAT/PLANT COMMUNITY (within site)   Weight
(CONTINUED

INCREASED NUTRIENTS

☐ **Dense algal mats**

Presence of Nutrient Indicator Species (dep. only)

☐ **Dominating Site (>50%)**
☐ **NOT Dominating Site (<50%)**

ROADS

☐ **Non elevated road (Logging, dirt, ATV)**
☐ **Elevated road (dirt or gravel)**
☐ **Paved road**

☐ **OTHER** _____

COMMENTS ON HABITAT/PLANT COMMUNITY

_____
_____
_____
_____

Assessment Area Sketch

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Site # _____   Site Name _____   Date _____

HYDROLOGY STRESSORS   Weight

DITCHES (for flat and depression only)
(not including main channel for riverine)
- ☐ Slight (1-3 shallow ditches (<.3m deep) within AA)
- ☐ Mod (>3 shallow ditches in AA or 1 ditch (>.3m deep) in AA
  OR 1 ditch (>.6m deep) within 25m of AA)
- ☐ Severe (>1 ditch .3-.6m deep or 1 ditch >.6m deep within AA)

STREAM ALTERATION (for riverine only)
Channelized Stream (If yes)
- ☐ Not maintained, reverting to natural morphology
- ☐ Spoil bank on one or both sides OR   ☐ Spoil bank same side
- ☐ Natural channel incision

☐ WEIR/DAM/ROAD
- ☐ Decreasing flooding of AA
- ☐ Impounding water <10% AA
- ☐ Impounding water 10-75% AA
- ☐ Impounding water >75% AA

FLOODING (test metric only; not scored; circle one)
% site permanently flooded: 0 1-25 26-50 51-75 >75
% site inundated: 0 1-25 26-50 51-75 >75

STORMWATER INPUTS and POINT SOURCES
- ☐ Stormwater inputs
- ☐ point source (non stormwater)
- ☐ excessive sedimentation in wetland

FILLING, EXCAVATION (includes roads not impeding flow)
- ☐ <10% of AA
- ☐ 10-75% of AA   OR   ☐ >75% of AA
  Not Applicable for restoration sites

MICROTO ALTERATIONS - plowing, bedding, skidder tracks
- ☐ <10% of AA
- ☐ 10-75% of AA
- ☐ >75% of AA
- ☐ soil subsidence and root exposure

☐ OTHER _____

COMMENTS ON HYDROLOGY

BUFFER STRESSORS(100m surrounding AA)

☐ DEVELOPMENT
- ☐ Commercial, industrial
- ☐ Residential >2 houses/acre
- ☐ Residential </=2 houses/acre
- ☐ Residential </=1 house/ acre

count development stressor only 1 time even if >1 type occurs

☐ ROADS (does not include trails or logging roads)
- ☐ Mostly dirt or gravel roads
- ☐ Mostly 2-lane paved roads
- ☐ Mostly 4-lane paved roads

count road stressor only 1 time even if >1 type occurs

☐ LANDFILL/WASTE DISPOSAL

☐ CHANNELIZED STREAMS OR DITCHES (>0.6m DEEP)

☐ ROW CROPS, NURSERY PLANTS,ORCHARDS

☐ POULTRY OR LIVESTOCK OPERATION

☐ FOREST HARVESTING WITHIN LAST 15 YEARS

☐ GOLF COURSE

☐ MOWED AREA

☐ SAND/GRAVEL OPERATION

☐ OTHER _____

Tally of Buffer Stressors:

COMMENTS ON BUFFER

Final Score Calculation

INTERCEPT VALUE:

+ SUM of WEIGHTS:

= TOTAL SCORE:

	Minimally or Not Stressed		Moderately Stressed		Severely Stressed

Refer to protocol to assign weights and calculate total score

entered:_____

checked:_____