Exhibit 1: Stream Visual Assessment Protocol 2

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Site ID:_____
Data recorder:_____

Data Forms

Owner's name*_____

Contact info*_____ Evaluator's name(s)_____
(*property owner or POC for access) (include all personnel on site during assessment)

Stream name_____ Tributary to_____

Assessment or Site Type _____
(include purpose or goal of assessment as needed)

Preliminary Assessment (GIS/Office data collection)

A. Watershed Description (**fill in from preliminary data sheets, or refer to preliminary data location**)
Ecoregion or MLRA_____HUC: _____Drainage area (acres or mi^2)_____

Watershed management structures: (#): dams_____water controls_____irrigation diversions___

Miles of contiguous riparian cover/mile of entire stream in watershed upstream (estimated)_____

Land use within watershed (%): cropland_____hay land_____grazing/pasture_____forest

urban_____industrial_____other (specify) _____

Agronomic practices in uplands include: _____

Confined animal feeding operations (#)_____ Conservation (acres)_____ industrial(acres)_____

Number of stream miles on property_____Number of upstream total stream miles_____

Stream hydrology:_____intermittent; months of year wetted: _____

_____perennial; months of year at baseflow:_____

_____impounded / controlled; distance upstream or downstream_____

B. Stream/Reach Description:

Stream Gage Name or Location/Discharge:_____/_____ft^3/s

Reach location (UTM or Lat./Long.)_____/_____

Applicable Reference Stream:_____Reference Stream Location:_____/_____

Information Sources or other notes:

_____
_____
_____
_____
_____
_____
_____

SVAP2 Field Assessment

Photo #/ID _____ to _____
Total # _____ Download √ __ by _____
Photographer(s) _____
Camera ID _____

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Preliminary Field Data

Start Time / Water Temp: _____ / _____ SVAP2 End Time / Water Temp: _____ / _____

Weather conditions today _____
(ambient temp.\ % cloud cover \ precip.)

Weather conditions over past 2 to 5 days: _____
(No. of days precip, amount of precip., average daytime temp.)

Schumm stage _____ other channel type / classification scheme _____ / _____

Riparian Cover Type(s):
Actual %: Tree _____ % Shrub _____ % Herbaceous _____ % Bare _____ %
Relative %: Tree _____ % Shrub _____ % Herbaceous _____ % Bare _____ %

Bank Profile (√ one): Stratified _____ or Homogenous _____ ; Cohesive soil _____ or Non-cohesive soil ____

Gradient (√ one): Low (0-2%) _____ Moderate (>2<4%) _____ High (>4%) _____

Regional curve used _____ Expected bankfull width _____

Bankfull channel width _____ (ft , m) Reach length _____ (ft , m) Flood plain width _____ ft , m

Avg. riparian zone width _____ (ft , m) Method used _____ Floodplain wetlands ____ acres or ft^2 / reach

Dominant substrate (% or √): boulder _____ cobble _____ gravel _____ sand _____ fines/silt/clay
(> 250 mm) (60-250mm) (2-60 mm) (2-.06 mm) (< .06 mm)

6. Canopy cover #	6. Canopy cover%	10. Pool depth	10. Riffle depth	15. Riffle Embed %	12. & 13. Habitat Features **B**oth, **F**ish, **I**nverts	12. Fish count	13. Invert. count	14. Aquatic Invert name/type	14. Group I,II,III
					B Large wood				
					B Small wood				
					B Overhang. Veg.				
					B Root mats				
					B Undercut banks				
					B Cobble riffles				
					B Macrophyte beds				
					F Deep pools				
					F Other pools (shallow, scour, plunge, pocket)				
					I Any pools				
					F >20" boulders				
					F 10-20" boulder clusters				
					I >20" boulders in riffles				
					I 10-20" Boulder clusters in riffles				
					F Off-channel				
					B Other locally important				

Element Scores

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Element	Notes	Score
1. Channel Condition		
2. Hydrologic Alteration		
3. Bank Condition		
4. Riparian Area Quantity		
5. Riparian Area Quality		
6. Canopy Cover		
7. Water Appearance		
8. Nutrient Enrichment		
9. Manure or Human Waste		
10. Pools		
11. Barriers to Movement		
12. Fish Habitat Complexity		
13. Aquatic Invertebrate Habitat		
14. Aquatic Invertebrate Community		
15. Riffle Embeddedness		
16. Salinity		
A. Sum of all elements scored		
B. Number of elements scored		

Overall score: A/B _____

1 to 2.9	Severely Degraded
3 to 4.9	Poor
5 to 6.9	Fair
7 to 8.9	Good
9 to 10	Excellent

1 to 2.9 Severely Degraded (list elements)
_____
3 to 4.9 Poor (list elements)
_____
9 to 10 Excellent (list elements)
_____

Suspected causes of SVAP2 scores less than 5 (does not meet quality criteria for stream species)

_____
_____
_____

Recommendations for further assessment or actions:

_____
_____
_____

c. Site Map – Include and label: Legend (define abbreviations), flow direction, orientation & scale, reach top/bottom, landmarks, large wood, boulders, bank/channel work, infrastructure, barriers, vegetation, sampling locations.

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**** Note Riparian Vegetation Left Bank and Right Bank separately for entire reach**

** Quantity (Natural community, width compared to bankfull width and active floodplain, % vegetation gaps)

** Quality (Natural & diverse %, age structure, invasive species %, concentrated flows, species present)

VEGETATION LIST

LEGEND:

Provide additional notes related to each element scored on back of site diagram, if needed.