PathFinder Science: VISUAL STREAM SURVEY DATA

School _____ **District**_____ **Site #**_____

Teacher_____ **Pathfinder Science ID #** _____

Student Name(s):

Stream name_____ **County** _____ **State** _____

Location:
place description _____

longitude: [ ]West or [ ]East _____ degrees _____ minutes _____ seconds

latitude: [ ]North or [ ]South _____ degrees _____ minutes _____ seconds
Latitude and Longitude determined by: [ ] GPS unit   [ ] 7.5 min. quad. Map [ ] other

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Sample Date _____ / _____ / _____   **Time** (24 hour) _____
Weather: [ ] clear   [ ] partly cloudy   [ ] overcast   [ ] intermittent rain   [ ] rain   [ ] snow
Rainfall: total for the past week _____.___ inches

Floodplain land use: (must total 100%)
industrial_____% commercial _____% residential _____% parks/recreation _____% pasture/hayfields_____%
row crops _____% woods _____% other:_____ _____%

Riparian cover: (must total 100%)
trees_____% grasses or weeds_____% bare ground_____% parking lots/streets_____%
buildings_____% other_____%

Streambank conditions: (must total 100%)
trees_____% grasses or weeds_____% bare ground_____% bedrock_____% pavement/rip rap_____%
other_____% (specify)

Riffle bed composition: (must total 100%)
silt or mud_____% sand_____% gravel_____% cobble(2-10")_____% boulders(>10")_____% bedrock_____%
other_____% (specify)

Bottom deposits: (must total 100%)
sewage sludge_____%   lime sludge_____%   iron precipitate____%   trash____% other _____% (describe)

Algae:
What percent of the stream bottom is covered by visible algae? _____%
Of the algae observed, what percentage is:
close growing _____% or filamentous (strands over 2" long) _____%

Water color:

Odor: (describe)

Signs of human use:

Changes:

Comments: