HABITAT ASSESSMENT FIELD DATA SHEET—LOW GRADIENT STREAMS

| STREAM NAME | LOCATION |  |
| :--- | :--- | :--- |
| STATION \#_ | REACH ID\# | STREAM CLASS |
| UTM N_UTM E | RIVER BASIN |  |
| STORET \# | AGENCY |  |
| INVESTIGATORS | DATE <br> TIME - <br> FORM COMPLETED BY | REASON FOR SURVEY |


| ᄃ্ণ | Habitat Parameter | Condition Category |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Optimal | Suboptimal | Marginal | Poor |
|  | 1. Epifaunal Substrate/ Available Cover <br> SCORE | Greater than $50 \%$ of substrate favorable for epifaunal colonization and fish cover, mix of snags, submerged logs, undercut banks, cobble or other stable habitat and at stage to allow full colonization potential (i.e., logs/snags that are not new fall and not transient). | $30-50 \%$ mix of stable habitat; well-suited for full colonization potential; adequate habitat for maintenance of populations; presence of additional substrate in the form of newfall, but not yet prepared for colonization (may rate at high end of scale). | $10-30 \%$ mix of stable habitat; habitat availability less than desirable; substrate frequently disturbed or removed. | Less than $10 \%$ stable habitat; lack of habitat is obvious; substrate unstable or lacking. |
|  |  | $\begin{array}{lllll}20 & 19 & 18 & 17 & 16\end{array}$ | $\begin{array}{lllll}15 & 14 & 13 & 12 & 11\end{array}$ | $\begin{array}{llll}10 & 9 & 8 & 7\end{array}$ | $\begin{array}{llllll}5 & 4 & 3 & 2 & 1 & 0\end{array}$ |
|  | 2. Pool Substrate Characterization | Mixture of substrate materials, with gravel and firm sand prevalent; root mats and submerged vegetation common. | Mixture of soft sand, mud, or clay; mud may be dominant; some root mats and submerged vegetation present. | All mud or clay or sand bottom; little or no root mat; no submerged vegetation. | Hard-pan clay or bedrock; no root mat or vegetation. |
|  | SCORE | $\begin{array}{lllll}20 & 19 & 18 & 17 & 16\end{array}$ | $\begin{array}{lllll}15 & 14 & 13 & 12 & 11\end{array}$ | $\begin{array}{lllll}10 & 9 & 8 & 7 & 6\end{array}$ | $\begin{array}{llllll}5 & 4 & 3 & 2 & 1 & 0\end{array}$ |
|  | 3. Pool Variability | Even mix of largeshallow, large-deep, small-shallow, small-deep pools present. | Majority of pools largedeep; very few shallow. | Shallow pools much more prevalent than deep pools. | Majority of pools smallshallow or pools absent. |
|  | SCORE | $\begin{array}{llllll}20 & 19 & 18 & 17 & 16\end{array}$ | $\begin{array}{lllll}15 & 14 & 13 & 12 & 11\end{array}$ | $\begin{array}{lllll}10 & 9 & 8 & 7 & 6\end{array}$ | $\begin{array}{lllllll}5 & 4 & 3 & 2 & 1 & 0\end{array}$ |
|  | 4. Sediment Deposition <br> SCORE | Little or no enlargement of islands or point bars and less than $<20 \%$ of the bottom affected by sediment deposition. | Some new increase in bar formation, mostly from gravel, sand or fine sediment; 20-50\% of the bottom affected; slight deposition in pools. | Moderate deposition of new gravel, sand or fine sediment on old and new bars; $50-80 \%$ of the bottom affected; sediment deposits at obstructions, constrictions, and bends; moderate deposition of pools prevalent. | Heavy deposits of fine material, increased bar development; more than $80 \%$ of the bottom changing frequently; pools almost absent due to substantial sediment deposition. |
|  |  | $\begin{array}{lllll}20 & 19 & 18 & 17 & 16\end{array}$ | $\begin{array}{lllll}15 & 14 & 13 & 12 & 11\end{array}$ | $\begin{array}{lllll}10 & 9 & 8 & 7 & 6\end{array}$ | $\begin{array}{lllllll}5 & 4 & 3 & 2 & 1 & 0\end{array}$ |
|  | 5. Channel Flow Status | Water reaches base of both lower banks, and minimal amount of channel substrate is exposed. | Water fills $>75 \%$ of the available channel; or $<25 \%$ of channel substrate is exposed. | Water fills $25-75 \%$ of the available channel, and/or riffle substrates are mostly exposed. | Very little water in channel and mostly present as standing pools. |
|  | SCORE | $\begin{array}{lllll}20 & 19 & 18 & 17 & 16\end{array}$ | $\begin{array}{lllll}15 & 14 & 13 & 12 & 11\end{array}$ | $\begin{array}{llll}10 & 9 & 8 & 7\end{array}$ | $\begin{array}{llllll}5 & 4 & 3 & 2 & 1 & 0\end{array}$ |

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Total Score $\qquad$
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