

Mussel Survey Scope of Work Summary Sheet 2014

Form Date: 3-20-2014

Project Title:

Project Company: _____

Mussel Contractor: _____

Lead Malacologist: _____

Project Contractor: _____ (if Mussel Contractor sub-contracting)

County: _____ Group (Circle One): 1 2 3 4

Stream: _____

If Group 1 or 2, Receiving Stream: _____

NOTE: Watershed Area < 10sq mi US of ADI, no survey needed, unless Group 2 (1/2)

Project Type: _____ (corresponds to Table 3, WV Mussel Survey Protocol)

| | | |
|------------------------------|-----------------------------|-----------------------------|
| ADI Length: _____ | ADI Width: _____ | Salvage area: _____ |
| US Buffer Length: _____ | US Buffer Width: _____ | US Buffer Length: _____ |
| DS Buffer Length: _____ | DS Buffer Width: _____ | DS Buffer Length: _____ |
| Lateral Buffer Length: _____ | Lateral Buffer Width: _____ | Lateral Buffer Width: _____ |

Phase 1 Survey Method: Transect Cells Other

Transects/Length (m): _____ Cell Size (mxm): _____ Cell Search Effort (Min/m²) _____

| | |
|------------------|--|
| _____ ADI: _____ | Minimum search effort for cells is 5m ² /min if |
| _____ USB: _____ | no mussels are found or 2m ² /min if any |
| _____ DSB: _____ | mussels are found |

_____ Spacing Between Transects (M)

Coordinates (Decimal Degrees, NAD83)

| | | |
|---------------------------|-------------|------------|
| Upstream End US Buffer: | Long. _____ | Lat. _____ |
| Upstream End ADI: | Long. _____ | Lat. _____ |
| ADI Center: | Long. _____ | Lat. _____ |
| Downstream End ADI: | Long. _____ | Lat. _____ |
| Downstream End DS Buffer: | Long. _____ | Lat. _____ |

Map: Show ADI, USB, DSB and survey layout

Request for Phase 2: Yes No

Group 2 and 4: Justification to proceed to Phase 2:

| | | |
|-------------------------------|------------------------------|---------------------|
| Addressed Alternative Methods | <input type="checkbox"/> Yes | Provide Description |
| Addressed Alternative Sites | <input type="checkbox"/> Yes | Provide Description |

Phase 2 Methods:

Quadrats excavated _____ Be sure to define area on Map/Diagram

Additional area surveyed _____ Be sure to define area on Map/Diagram

Request for Relocation: Yes No

Method:

(check one) Cell Size (mxm): _____ Cell Search Effort (Min/m²) _____ (minimum)

Moving Transect: _____

Other: _____

Multiple passes are to be made through the area until less than 5 % of the number collected on the original pass are recovered on the final pass.