

## **SOPs for Souhegan Reconnaissance Trip**

Scheduled dates: June 28-31, 2004

Scheduled personnel: NAI – 4 staff members  
UNH – 1 staff member  
UMASS – 3 staff members  
NHDES – 1 staff member  
Stakeholders - unknown

### **1- Purpose**

The purpose of the reconnaissance trip is to conduct an on-stream survey of the designated reach as required in ENV-Ws 1905.02(e) to locate and verify the specific entities identified in the draft IPUOCR listing as revised by the TRC and WMPAAC.

### **2- Scope –**

This approach was developed in response to summer low flow conditions currently being experienced in the river. Under these conditions most of the river is not navigable by canoe or kayak. As a result, much of the survey will be conducted by accessing the river from roads at prescreened locations where IPUOCR's are anticipated to be encountered. Field crew members will be encouraged to bring their own food and water as much of the river is not near services. In addition, PPE includes: sunscreen, insect repellent, rain gear and appropriate wading shoes. Normandeau will provide one first aid kit.

### **3- Equipment used (NAI field crew)**

- 1:24,000 maps of entire project area with IPUOCR locations
- Trimble GPS with laser rangefinder
- Digital still camera
- Video Camera
- compass
- field guides and taxonomic information
- IPUOCR lists
- binoculars
- field books
- field sheets for photos and video
- canoes and kayaks (for lowest reach only)

### **4- Collection of data (NAI field crew)**

The field crew will meet at Normandeau Associates office in Bedford, NH at 6AM on the first field day. Cancellation or postponement notice will occur the night before if the forecast is for highly inclement weather. The upper sections of the designated reach will

be surveyed with vehicles stopping and hiking to prescreened IPUOCR locations. The planned field day will last until 6PM.

Potential locations for the IPUOCR surveys will be prescreened by mapping all known occurrences of and/or suitable habitat for each entity and selecting representative locations. This selection will be done the week prior to the field survey. The total number of locations to be visited will be based on the number of IPUOCRs, access to the IPUOCRs and the time available for the survey. A three day field effort is planned although a week has been reserved.

At each location, the locations of relevant features will be documented using the Trimble GPS and laser (see separate SOP) and photographed using a digital camera according to the NHDES photo-documentation procedures. At sites which are large (>100 meters of river length) the site will be videotaped. The videotape will be logged in the same manner as the photos are documented. Videographer position (GPS or landmark if GPS signal is unavailable), date, and time will be stated at the beginning and end of each film section. Tapes will be archived for later reference, if needed.

#### **5- Records kept (NAI)**

The following records of the field IPUOCR surveys will be kept.

- calibration logs for all instruments
- SOP manuals for all instruments
- instrument maintenance records
- data generated in computer files
- observations in field books
- photo log of all images and digital photo library
- video log of all video and archive of tapes

One copy of all records will be maintained in the NAI office.