Rapid Assessment Team (RAT) Data Collection

Conducted during the daylight hours

- RAT archaeologist deploys with RAT team at designated time to pre-determined location for RAT team
    - Archaeologist responsible for GPS receiver, loaded with RAT data dictionary
    - Archaeologist collects locations and records brief information regarding cultural resources identified during RAT survey
- RAT archaeologist returns to Incident Command Center at end of day, or hotel
    - If RAT archaeologist remains offsite at hotel instead of returning to the IC:
        - RAT archaeologist downloads .ssf files collected during the day from the GPS receiver
        - RAT archaeologist exports .ssf files to shapefiles
        - RAT archaeologist emails shapefiles to the Historic Preservation/GIS specialist at the IC for inclusion in the daily clean up team planning process
    - If RAT archaeologist returns to IC:
        - RAT archaeologist provides GPS receiver to the Historic Preservation/GIS specialist at the IC
        - Historic Preservation/GIS specialist at the IC exports the .ssf files collected during the day
        - Historic Preservation/GIS specialist exports the .ssf files to shapefiles for inclusion in the daily clean up team planning process

RAT Initial Data Processing

Conducted during the evening, prior to Clean up team assignments

- Historic Preservation/GIS specialist will receive shapefiles collected by all RAT teams during the day, or export .ssf files received into shapefiles
- Historic Preservation/GIS specialist will combine shapefiles into a daily data set of RAT cultural resource data for inclusion in the GIS clean up team planning tool
- Historic Preservation/GIS specialist will load combined shapefiles into the Oil Spill Cultural Resource Survey GeoDatabase, RAT feature classes
- Historic Preservation/GIS specialist will work with State/Tribal/Federal partners to consult on each cultural resource identified by RAT teams during the day and document the clean up team recommendations for site treatment via the GIS in the RAT feature classes
- Historic Preservation/GIS specialist will provide clean up team archaeologists with the locations of cultural resources identified and recommendations for their treatment

Note: The Historic Preservation/GIS Specialist should be able to complete RAT Initial Data Processing within the first hour of the 3 hour consultation period between return of the RAT teams and deployment of the Clean up teams to appropriate locations.

Clean Up Team Data Collection

Conducted during daylight and overnight hours

- Following consultation process, the Historic Preservation/GIS Specialist will provide the clean up team archaeologist with locations of cultural resources identified during daily RAT observations – in either paper form, or as waypoints for the GPS receiver
- Clean up team archaeologist will deploy to their designated location, as determined through the daily clean up team planning process
    - Archaeologist responsible for GPS receiver, loaded with Cultural Resource Survey data dictionary
    - Archaeologist collects locations and records more detailed information regarding cultural resources identified or relocated
- Clean up team archaeologist returns to Incident Command Center at end of day, or hotel
    - If Clean up team archaeologist remains offsite at hotel instead of returning to IC:
        - Clean up team archaeologist downloads .ssf files collected during the day from the GPS receiver
        - Clean up team archaeologist exports .ssf files to shapefiles
        - Clean up team archaeologist emails shapefiles to the Historic Preservation/GIS specialist at the IC for reconciliation with RAT team data and final data processing
    - If Clean up team archaeologist returns to IC:
        - Clean up team archaeologist provides GPS receiver to the Historic Preservation/GIS specialist at the IC
        - Historic Preservation/GIS specialist at the IC exports the .ssf files collected during the day
        - Historic Preservation/GIS specialist exports the .ssf files to shapefiles for reconciliation with RAT team data and final data processing

Coordinated Final Data Processing

Conducted during daylight hours

- While RAT teams are operating during the day the Historic Preservation/GIS specialist can complete the processing on the previous days RAT data
    - Assigning each resource identified a unique Cultural Resource ID, a unique Locational ID and a RAT team survey ID (batch operations)
    - Completing the feature level metadata in the Oil Spill Cultural Resource Survey GeoDatabase for the RAT feature classes (batch operations)
    - Performing basic quality control on the GPS data to eliminate any errors in attribute information as well as spatial data
    - Produce any tabular or paper map products requested by IC to track RAT and cleanup activities/progress
- Upon receipt of Clean up team daily information following nightly cleanup activities the Historic Preservation/GIS specialist can complete the processing on the daily clean up team data
    - Historic Preservation/GIS specialist will receive shapefiles collected by all clean up teams following their return, or export .ssf files received into shapefiles

- Historic Preservation/GIS specialist will combine shapefiles into a daily data set of clean up team cultural resource data for inclusion in the Oil Spill Cultural Resource Survey GeoDatabase
- Historic Preservation/GIS specialist will load combined shapefiles into the Oil Spill Cultural Resource Survey GeoDatabase, archaeological site, other cultural resource or buildings feature classes, depending on the daily data returned
- Reconciling the clean up team locations with the RAT team locations via the GIS and assigning the appropriate Cultural Resource ID to each clean up team resource identified
- Assigning unique Locational IDs to the clean up team alternative locations for each cultural resource (batch operation)
- Assigning clean up team survey IDs (batch operation)
- Completing the feature level metadata in the Oil Spill Cultural Resource Survey GeoDatabase for the appropriate feature classes used by the clean up teams (batch operations)
- Performing basic quality control on the GPS data to eliminate any errors in attribute information as well as spatial data
- Performing basic quality control on the GIS data to eliminate any errors in attribute information as well as spatial data
- Load all ID information from RAT, archaeological site, other cultural resource and building feature classes into the CRLink table in the Oil Spill Cultural Resource Survey GeoDatabase to provide relationships between the various feature classes (relationship classes already established in GeoDatabase template) and external databases if needed

Note: The Historic Preservation/GIS Specialist should be able to complete the Final Data Processing for RAT team and Clean up tam data within the day following the collection of RAT and Clean up cultural resource locations.