RIVER BANK SHORELINE OIL SUMMARY (SOS) FORM:

1. GENERAL INFORMATION
   - Spill
   - Date (dd/Month/yyyy): 
   - Time (24h standard/daylight): _______ to _______
   - Water Level: Low / Mean / Bankfull / Overbank Falling / Steady / Rising
   - Survey By: Foot ___ ATV ___ Boat ___ Helicopter ___ Other: 
   - Weather: Sun / Clouds / Fog / Rain / Snow / Wintry / Calm
   - Segment ID: 
   - Bank: L / R
   - Segment Name: 
   - Team Number:

2. SURVEY TEAM
   - Name: 
   - Organization: 
   - Name: 
   - Organization: 

3. SEGMENT
   - Total Length: meters
   - Length Surveyed: meters
   - Datum:

4a. RIVER BANK TYPE: Indicate only ONE Primary (dominant) type and ALL Secondary types. CIRCLE those OILED
   - BEDROCK: Cliff ___ Ramp ___ Shelf ___
   - MAN-MADE: Solid ___ Permeable ___
   - Description:
   - ESI Shoreline Type (primary) (secondary)
   - Other:

4b. OVERBANK / BACKSHORE TYPE: Indicate only ONE Primary (P) and ANY Secondary (S) types.
   - Cliff/Bluff Ht. m: __________
   - Flat/Lowland/Field: __________
   - Dune: __________
   - Inlet/Channel: __________
   - Delta: __________
   - Lagoon: __________
   - Marsh/Wetland: __________
   - Sloped: > (5') (15') (30')
   - Man-Made: __________
   - Other: __________
   - Wooded / Vegetated?

4c. RIVER VALLEY CHARACTER: Circle or select as appropriate.
   - Channel Width: <10 m 10-100 m >100 m estimate: ________ m
   - Water Depth: >1 m 1-5 m >5 m Bar/Shoal substrate: silt/sand/mixed/cobble/boulder/bedrock/debris
   - CHANNEL FORM: Cascade ___ Rapids ___ Pool ___ Riffle ___ Gliod ___ Jam ___ Other: __________
   - RIVER FORM: Straight ___ Meander ___ Anastomosed ___ Braided ___ Other: __________
   - VALLEY FORM: Canyon ___ Confined or Leveed Channel ___ Flood Plain Valley Other: __________

5. OPERATIONAL FEATURES
   - Oiled Debris? Yes / No
   - Type: ________
   - Amount: ________ (bags/trucks)
   - Direct backshore access? Yes / No
   - Alongshore access from next segment? Yes / No
   - Access Description / Restrictions:
   - Current Dominated Channel? Yes / No

6. OILING DESCRIPTION: Indicate 100% overlapping zones in different tidal zones by numbering them (e.g. A1, A2)
   - Zone ID
   - WP # Start
   - WP # End
   - Substrate Type(s) or ESI Code
   - River Bank Zone
   - Oil Cover
   - Oil Cover
     - Area
     - Width (m)
     - Distr. % (>1)
     - Number per unit area
     - Size
     - Avg Size (cm)
     - Large Size (cm)
   - Oil Thickness
   - Oil Character

7. SUBSURFACE OILING CONDITIONS: Format: Indicate Zone ID in Pit #, e.g., A-1, B-2, B-3. (use only number if not in zone, e.g., 4, 5)
   - Pit #
   - Substrate Type
   - River Bank Zone
   - Pit Depth (cm)
   - Oiled Interval (cm-cm)
   - Subsurface Oil Character
   - Water Table (cm)
   - Sheen Color
   - Clean Below Yes / No

8. COMMENTS: Cleanup Recommendations, Ecological/Recreational/Cultural Issues, Wildlife Observations, Oiling Descriptions

Sketch / Map: Yes / No
Photos/Video: Yes / No
Numbers: ________
Photographer Name: ________
RIVER BANK SHORELINE OILING SUMMARY FORM EXPLANATIONS

Calibration IS VERY IMPORTANT! Do a calibration exercise to make sure that all teams are consistently using the same terms and estimations.

Units: Use of metric units is preferred. However, if you must use English units, be consistent.

Water Level: Circle the water level during the survey, and if the water level was rising or falling during the survey.

Segment/Survey Length: Always record both segment and survey lengths on the first survey, especially where the team creates the segments in the field. On repeat surveys, always enter in the Survey Length, especially if only part of the segment is surveyed.

Start/End GPS: The preferred format for latitude and longitude is decimal degrees, but be consistent among teams. Record the datum if different than WGS84.

SURFACE OILING CONDITIONS

Zone ID: Use a different ID for each oil occurrence, e.g., two distinct bands of oil on the upper bank and in overbank areas, or along the bank where the oil distribution changes from 10% to 50%. Describe each oil zone on a separate line.

River Bank Zone: Use the codes to indicate the location of the oil being described, as in the midstream (MS), lower bank (LB), upper bank (UB), or overbank (OB) zone above the normal water level.

Distribution: Enter the percent of oil on the surface (preferred), or codes for the following intervals:
- C Continuous 91-100% cover
- B Broken 51-90%
- P Patchy 11-50%
- S Sporadic <1-10%
- T Trace <1%

Surface Oiling Descriptors - Thickness: Use the following codes:
- TO Thick Oil (fresh oil or mousse > 1 cm thick)
- CV Cover (oil or mousse from >0.1 cm to <1 cm on any surface)
- CT Coat (visible oil <0.1 cm, which can be scraped off with fingernail)
- ST Stain (visible oil, which cannot be scraped off with fingernail)
- FL Film (transparent or iridescent sheen or oily film)

Surface Oiling Descriptors - Type
- FR Fresh Oil (unweathered, liquid oil)
- MS Mousse (emulsified oil occurring over broad areas)
- TB Tar Balls (discrete accumulations of oil <10 cm in diameter)
- PT Patties (discrete accumulations of oil >10 cm in diameter)
- TC Tar (highly weathered oil, of tarry, nearly solid consistency)
- SR Surface Oil Residue (non-cohesive, oiled surface sediments)
- AP Asphalt Pavements (cohesive, heavily oiled surface sediments)
- No No oil (no evidence of any type of oil)

SUBSURFACE OILING CONDITIONS

Oiled Interval: Measure the depths from the sediment surface to top/bottom of subsurface oiled layer. Enter multiple oil layers on separate lines.

Subsurface Oiling Descriptors: Use the following codes:
- OP Oil-Filled Pores (pore spaces are completely filled with oil)
- PP Partially Filled Pores (the oil does not flow out of the sediments when disturbed)
- OR Oil Residue (sediments are visibly oiled with black/brown coat or cover on the clasts, but little or no accumulation of oil within the pore spaces)
- OF Oil Film (sediments are lightly oiled with an oil film, or stain on the clasts)
- TR Trace (discontinuous film or spots of oil, or an odor or tackiness)

Sheen Color: Describe sheen on the water table as brown (B), rainbow (R), silver (S), or none (N)