WINTER & ARCTIC SOS FORM for _____ Spill Page _____of _____

1 GENERAL INFORMATION	Date (dd/mm/yy)	Time (24h): standard/daylight hrs to hrs	Tide Height rising / falling
Segment ID:			
Operations Division:		Season: Open Water / Freeze-Up Transition / Frozen Period / Breakup-Thaw	
Survey by: Foot / ATV / Boat / Helicopter / Overlook / _____		Sun / Clouds / Fog / Rain / Snow / Windy / Calm	Air Temp + / - ____ deg C.

2 SURVEY TEAM # _____

name	*organization*	*contact phone number*

3 SEGMENT *Total Segment Length _____ m* *Segment Length Surveyed _____ m* *Maximum Intertidal Width_____m*

Start GPS: LATITUDE _____deg. _____min. LONGITUDE _____deg. _____min. ***Datum:***_____

End GPS: LATITUDE _____deg. _____min. LONGITUDE _____deg. _____min.

4A SHORELINE TYPE *SELECT only one primary (P) shoreline type and any number of secondary (S) types. CIRCLE those OILED*

BEDROCK: Cliff_____ Ramp_____ Platform_____ ***Sediment BEACH:*** Sand_____ Mixed_____ Pebble/Cobble_____ Boulder_____

MAN-MADE: Solid_____ Permeable_____ (type)_____ ***Sediment FLAT*** : Mud_____ Sand _____ Mixed_____ Pebble/Cobble/Boulder____

IceShelf/Glacier:_____ **Peat Shore**:_____ **Tundra Cliff**: Ice Poor____ Ice Rich____ **Inundated Tundra** ____ ***Marsh/Wetland:*** _____ ***Other*** :_____

4B SNOW and ICE CONDITIONS *SELECT as appropriate. CIRCLE those oiled. Indicate intertidal zone location/s.*

snow: cover _____%	**frozen spray:** width _____m	**ice foot:** width _____m	
thickness _____cm	thickness ____cm	thickness _____cm	
fresh Y / N	**frozen swash:** width _____m	location L M U S	
compacted Y / N	thickness ____cm	**ice push ridge** width _____m	
location L M U S	location L M U S	thickness _____cm	
glacier ice: height of ice front: _____m	**grounded floes:** ave. length _____m	location L M U S	
floating front: Y / N	ave. thickness _____cm		
	location L M U S		

4C NEARSHORE ICE CONDITONS *circle one in each of the three categories*

CONCENTRATION: 0/10	***FORM: (m)***		***AGE and thickness (cm):***	
open water < 1/10	pancake 0.3 -3	small floes 20-100	new / frazil / slush	<5
very open drift 1/10 - 3/10	brash < 2	medium floe 100-500	nilas or ice rind	< 10 age unknown ___
open drift 4/10 - 6/10	ice cakes < 20	big floe 500-2000	young: grey-white	10-30
close pack 7/10 - 8/10	none Y	vast-giant floe > 2000	first year	> 30
very close pack 9/10	**Fast ice: Y /N**		second year	> 250
compact ice 10/10	**Tidal Cracks: Y / N**		multi year	> 300

4B COASTAL/BACKSHORE CHARACTER - *select only one primary(P) and any number of secondary(S)* ***complete for (P) primary only***

Cliff/Hill:____est height ____m	Flat / Lowland: ___	Beach ____	Dune ____	River Inlet/Channel ____	Substrate Type: _____
Sloped:___ (>5º)(15º)(30º)	Man-Made ____ (type) _____	Delta ____	Lagoon ____	Marsh/Wetland_____	Forested / Vegetated / Bare

5 OPERATIONAL FEATURES Suitable backshore **staging** Y/N **Access**: Direct from backshore Y / N Alongshore from next segment Y / N

Debris: Y / N oiled Y / N amount _____bags or _____trucks access restrictions _____

Depth of active layer _____cm Other Features:

6 SURFACE OILING CONDITIONS *begin with "A" in the lowest tidal zone - circle the zone/s that correspond to primary shoreline type*

OIL ZONE ID	TIDAL ZONE				OIL COVER			OIL THICKNESS					OIL CHARACTER								SUBST. TYPE(S)
	LI	MI	UI	SU	*Length* m	*Width* m	*Distrib.* %	TO	CV	CT	ST	FL	FR	MS	TB	PT	TC	SR	AP	NO	
A																					

7 SUBSURFACE OILING CONDITIONS *use letter for ZONE location plus Number of pit or trench — e.g., "A1"*

TRENCH or PIT NO.	TIDAL ZONE				MAX. PIT DEPTH	OILED ZONE	SUBSURFACE OIL CHARACTER							WATER or FROST TABLE (cm)	SHEEN COLOUR	CLEAN BELOW	SUBST. TYPE(S)
	LI	MI	UI	SU	cm	cm-cm	SAP	OP	PP	OR	OF	TR	NO		B, R, S, N	Yes / No	

8 COMMENTS *ecological/recreational/cultural/economic constraints - shorezone biota and wildlife observations - cleanup recommendations*

(for ALL sub-segments record: sub-segment ID, length, length surveyed,and GPS start/end fixes)

Sketch Yes/No **Photos** Yes/No (Roll # _____ Frames_____) **Video Tape** Yes/No (tape #_____) **Spill Version**:(name/date)