

NRDA Expertise of RIOST

AREA OF EXPERTISE	SCIENTIST	AGENCY
Prepare NRDA Pre-assessment plan	Ardito	RI
	August	RI
	Primiano	RI
	<u>Gibson</u>	RI
	Quinn	RI
	Csulak	US
	Ricker	US
	Varela	US
	French McCay Rowe	NGO NGO
Develop ecological statistics and sampling design	August	RI
	Paton	RI
	Sullivan-Watts	RI
	Csulak	US
	Halavik	US
Provide aerial assessment of the spill (observe the oil from an aircraft and provide response considerations)	Ricker	US
Provide aerial assessment of the spill environment	Allin	RI
	Csulak	US
	Ricker	US
	Varela	US
Provide boats for water and sediment sampling	Allin	RI
	Greene	RI
	Quinn	RI
	Halavik	US
	MacLachlan	US
	Varela	US
Collect and document samples of the spill source and the water column	Deacutis	RI
	Hargraves	RI
	Hinga	RI
	Csulak	US
	Halavik	US
	Ricker	US
Analyze and fingerprint samples of the spill source and the water column	Quinn	RI
Deploy meteorological station and measurements		
Measure currents in situ	Hall	NGO
Assess and document impact of oiling on subsurface sediments	Hargraves	RI
	Hinga	RI
	Csulak	US
	Halavik	US
	Ricker	US
	Varela	US
Model and map the oil-spill trajectory	August	RI
	French McCay	NGO
	Rowe	NGO
	Whittier	NGO

Assess and document extent of discrete oil deposits (e.g., tarballs) on shore	Deacutis Csulak Ricker Varela	RI US US US
Survey oiling of wetlands	Allin Ardito Csulak Halavik MacLachlan Ricker Varela	RI RI US US US US US
Identify and document impacts on economic resources (threats to commercial, cultural, or recreational activities and resources)	Ardito Primiano Csulak	RI RI US
Scuba dive for scientific observations	Ricker	US
Create photo and video record of oil impacts	Ardito Hinga Csulak Ricker	RI RI US US
Interpret aerial photographs	Duhaime LaBash	RI RI
Use GIS to analyze and map field conditions	Allin August Damon Duhaime Jordan LaBash Flood MacLachlan Rowe Galagan	RI RI RI RI RI RI RI US NGO NGO
Process and manage data for Natural Resource Damage Assessment	August Damon Duhaime Gould Hinga LaBash Quinn Csulak Ricker Varela French McCay Rowe	RI RI RI RI RI RI RI US US US NGO NGO
Develop and maintain Internet-based information technology (e.g., WWWeb, IMS)	August Damon Duhaime LaBash ASA	RI RI RI RI NGO
Manage QA/QC (Quality Assessment/Quality Control) and chain of custody	Gibson Quinn	RI RI
Rehabilitate or euthanize oiled wildlife	Gibson	RI
Assess and document impact of oiling in tissues of oiled biota	Quinn Varela	RI US

For expertise with particular biotic communities, see below:

BIOTA OF EXPERTISE	SCIENTIST	AGENCY	AREA OF EXPERTISE		
			Sampling	Bio Data Analysis	Assess Oiling
Marine finfish	Deacutis	RI	X		X
	Klein-MacPhee	RI	X	X	
	Csulak	US			X
	Halavik	US	X	X	
	French McCay	NGO		X	X
	Rowe	NGO		X	X
Freshwater fish	Klein-MacPhee	RI	X	X	
	Halavik	US	X	X	
	Varela				X
	French McCay	NGO			X
	Rowe	NGO			X
Shellfish	Csulak	US			X
	Fench McCay	NGO		X	X
	Rowe	NGO		X	X
Other marine invertebrates (besides shellfish)	Deacutis	RI	X		X
	Sullivan-Watts	RI	X	X	X
	Berman	US	X	X	
	Csulak	US			X
	French McCay	NGO			X
	Rowe	NGO			X
Birds	Allin	RI	X	X	
	Primiano	RI	X	X	X
	Gibson	RI	X	X	
	Paton	RI	X	X	X
	Buckley	US	X	X	X
	Csulak	US			X
	MacLachlan	US	X	X	X
	Varela	US	X	X	X
	French McCay	NGO		X	X
	Rowe	NGO		X	X
Marine mammals	Csulak	US			X
	French McCay	NGO		X	X
	Rowe	NGO		X	X
Terrestrial mammals	August	RI	X		
	MacLachlan	US	X		X
	Varela	US			X
	French McCay	NGO			X
	Rowe	NGO			X
Marine reptiles and amphibians	Csulak	US			X
	Varela	US			X
	French McCay	NGO			X
	Rowe	NGO			X
Brackish or freshwater reptiles and amphibians	Paton	RI	X	X	X
	Csulak	US			X
	Varela	US			X
	French McCay	NGO			X
	Rowe	NGO			X

Eelgrass beds	Deacutis	RI	X		X
	Hargraves	RI	X		
	Csulak	US			X
	MacLachlan	US	X		X
	Ricker	US	X		X
	French McCay	NGO			X
	Rowe	NGO			X
Intertidal epifauna	Csulak	US			X
	Varela	US			X
	French McCay	NGO			X
	Rowe	NGO	X		X
Intertidal infauna	Deacutis	RI	X		X
	Csulak	US			X
	Varela	US			X
	French McCay	NGO			X
	Rowe	NGO	X		X
Intertidal macroalgae and seaweeds	Hargraves	RI	X	X	X
	Csulak	US			X
	Ricker	US	X	X	X
	French McCay	NGO			X
	Rowe	NGO	X		X