

**KODIAK  
SUBAREA CONTINGENCY PLAN**

**GEOGRAPHIC RESPONSE STRATEGIES  
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**NORTH**

- KN-36 Selief/Yukuk
- KN-37 Muskomee Bay
- KN-38 Paramanof Bay
- KN-39 Foul Bay
- KN-40 Blue Fox Bay
- KN-41 Big Bay
- KN-42 Carry Inlet-North
- KN-43 Carry Inlet-South
- KN-44 Shangin Bay
- KN-45 Andreon Bay /Big Fort Island
- KN-46 Pauls Bay
- KN-47 Seal Bay

**WEST**

- KW-10 Sturgeon Head
- KW-11 Karluk Lagoon
- KW-12 Larsen Bay Tanks
- KW-13 Browns Lagoon
- KW-22 Halibut Bay-Southern end
- KW-23 Harvester Island
- KW-24 Larsen Bay
- KW-25 Zachar Bay

KW-26 Spiridon Bay-Upper Bay Islands  
KW-27 Chief Cove  
KW-28 Campbell Lagoon  
KW-29 Village Islands  
KW-30 Noisy Islands  
KW-31 Uganik Passage-Bays  
KW-32 Terror Bay  
KW-33 Uganik East Passage  
KW-34 Viekoda Bay  
KW-35 Dry Spruce Bay

**EAST**

KE-01 – Buskin River  
KE-02 – Sargent Creek  
KE-03 – Russian River  
KE-15 – Settler Cove  
KE-16 – Afognak Bay  
KE-17 – Big & Little Kitoi Bay  
KE-18 – Kitoi Bay Jaws  
KE-19 – Neva Cove  
KE-20 – Katmai Creek  
KE-21 – Icon Bay  
KE-66 – McDonald Lagoon/Outer Kitoi Bay  
KE-67 – Selezen/Mary Anderson Bay  
KE-68 – Head of Kizhuyak Bay  
KE-69 – Anton Larsen Bay  
KE-70 – Kizhuyak Pt. to Entrance Pt. - Soldier Bay  
KE-71 – St. Paul Harbor  
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**SOUTH**

KS-04 – Midway Bay  
KS-05 – Barling Bay  
KS-06 – Moser Bay  
KS-07 – Akhiok  
KS-08 – Sukhoi Bay  
KS-09 – Tugidak Island  
KS-74 – Pasagshak Bay  
KS-75 – Portage Bay  
KS-76 – Saltery Cove  
KS-77 – Tanginak Anchorage/McDonald Lagoon  
KS-78 – Ocean Bay/Village

KS-79 – Ameer Bay to Cozy Cove  
KS-80 – Sheep Island  
KS-81 – Old Harbor & Lagoon  
KS-82 – Sitkinak Lagoon  
KS-83 – Portage Bay/Sulua Bay  
KS-84 – Upper Deadman Bay  
KS-85 – Little Narrows  
KS-86 – Akhiok Bay  
KS-87 – Lazy Bay/Alitak Lagoon  
KS-88 – Ayakulik River

**MAINLAND**

KM-14 Geographic Harbor  
KM-48 Swikshak Lagoon  
KM-49 Big River/Swikshak Bay  
KM-50 Ninagiak River/Island  
KM-51 Middle/Hallo Creek  
KM-52 Devils Cove  
KM-53 Kukak Bay  
KM-54 Kafia Bay  
KM-55 Kuliak Bay  
KM-56 Missak Bay  
KM-57 Kinak Bay  
KM-58 Amalik Bay  
KM-59 Takli Island  
KM-14 Geographic Harbor  
KM-60 Dakavak Bay  
KM-61 Bear Bay  
KM-62 Alinchak Bay - Southern  
KM-63 Portage Bay  
KM-64 East Wide Bay  
KM-65 West Wide Bay

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# **GEOGRAPHIC RESPONSE STRATEGIES: PART ONE – INTRODUCTION**

## **A. PURPOSE AND SCOPE**

These Geographic Response Strategies (GRS) are designed to be a supplement to the Kodiak Subarea Contingency Plan for Oil and Hazardous Substances Spills and Releases, commonly referred to as the Kodiak Subarea Contingency Plan (SCP). The GRS provide unified (public, responders, and agencies) priorities and response tactics for the protection of selected sensitive areas to aid first responders to an oil spill. The GRS list the sensitive resources of an area and the response strategies, equipment, personnel and logistical information necessary to protect the sensitive areas. Because the Alaska Department of Environmental Conservation, the Environmental Protection Agency, and the U.S. Coast Guard already have approved the GRS, they can serve as pre-approved strategies for the Unified Command during the emergency phase of an oil spill response.

Implementation of these Geographic Response Strategies is the third phase of an oil spill response. The first and primary phase of the response is to contain and remove the oil at the scene of the spill or while it is still on the open water, thereby reducing or eliminating impact on shorelines or sensitive habitats. If some of the spilled oil escapes this tactic, the second phase, which is no less important, is to intercept, contain and remove the oil in the nearshore area. The intent of phase two is the same as phase one: remove the spilled oil before it affects sensitive environments. If phases one and two are not fully successful, phase three is to protect sensitive areas in the path of the oil. Phase three efforts endeavor to protect the selected sensitive areas from the impacts of a spill or to minimize that impact to the maximum extent practical.

The sites selected for development of Geographic Response Strategies are not meant to be exclusive; other sensitive sites may require protection during any given oil spill. The fact that a GRS may not have been developed for a certain sensitive site does not mean that site should not be protected if it is threatened by an oil spill.

These strategies are intended to be flexible to allow spill responders to modify them, as necessary, to fit the prevailing conditions at the time of a spill. Seasonal constraints, such as ice or weather, may preclude implementation of some of the strategies in the winter months. It is not intended that all the sites be automatically protected at the beginning of a spill, only those that are in the projected path of the spill. The strategies developed for the selected sites were completed with a focus on minimizing environmental damage, utilizing as small a footprint as needed to support the response operations and selecting sites for equipment deployment that will not cause more damage than the spilled oil. To test these GRS, each site may be visited and equipment deployed according to the strategy, to ensure that the strategy is the most effective in protecting the resources at risk at the site. Revisions will be made to the strategies, and this document, if changes are indicated by site visits, drills or actual use during spills.

The Kodiak Subarea GRS Workgroup divided the subarea into five Geographic Response Zones (figure G-1) and directed that 20 sites be developed in the East B Zone. In the future, strategies may be developed for additional sensitive areas.

## **B. HOW THE GRS WERE DEVELOPED**

These GRS were developed through a cooperative, workgroup process involving federal, state, and local spill response experts working with representatives from the oil production and transportation industry,

citizens' groups, and natural resource agencies. A workgroups formed to address each response zone in the subarea.

Workgroup participants identified all sensitive areas with potential to be classified as "Areas of Major Concern" under the criteria established in the Kodiak Subarea Plan. These potential sites were evaluated by the additional criteria of 1) risk of being impacted from a water borne spill; and 2) feasibility of successfully protecting the site with existing technology. Using this process, the workgroup selected a preliminary list of sites that was released for public input. Feedback on site selection was solicited from tribal representatives, user groups, environmental organizations and the general public. Based on the feedback received, the workgroup made the final site selections for the zone. Additional sites may be selected in the future.

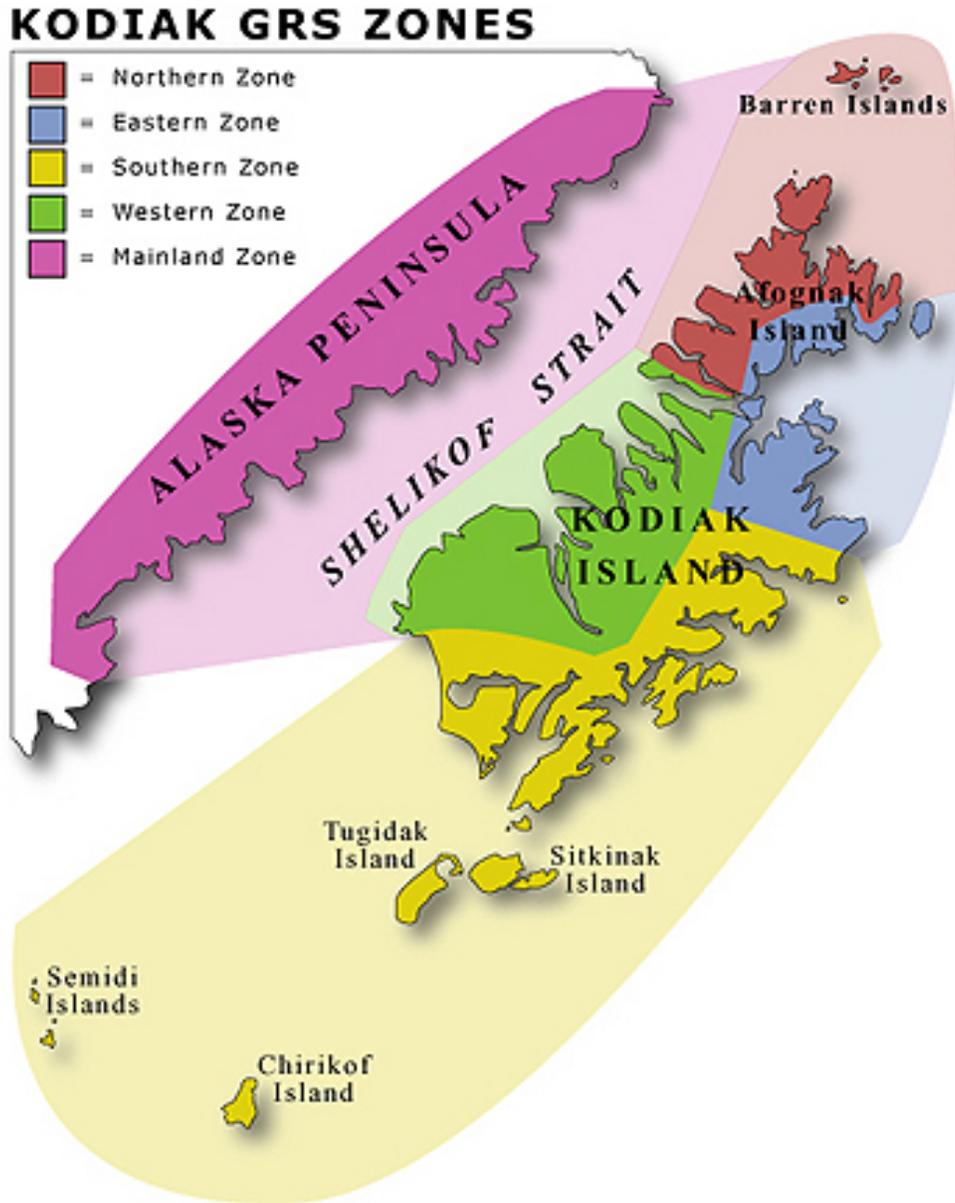
A Kodiak Tactics Committee, composed of spill response professionals and personnel from natural resource agencies, formed to develop draft strategies for each site selected. The draft strategies were reviewed and approved by the entire workgroup and the final draft was forwarded to the Kodiak Subarea Committee with the recommendation that it be adopted as part of the Kodiak SCP.

The Kodiak Workgroup consisted of representatives from the following organizations:

- Alaska Department of Environmental Conservation
- Alaska Department of Fish and Game
- Alaska Department of Natural Resources
- Alaska Chadux Corporation
- Alaska Marine Pilots
- Cook Inlet Regional Citizens Advisory Council
- Environmental Protection Agency
- Kodiak Island Borough
- City of Kodiak
- National Marine Fisheries Service
- National Oceanic and Atmospheric Administration
- National Park Service
- Prince William Sound Regional Citizens' Advisory Council
- Tesoro Alaska Company
- United States Coast Guard
- United States Department of the Interior
- United States Fish and Wildlife Service

The workgroup developed Table G-1 to aid in the selection of sites from within the Kodiak Subarea. The table consists of identified sites in each row with information about resources at each site that could qualify the site as an area of major concern detailed in the columns.

Figure G-1: Kodiak Subarea Geographic Response Zones



### C. HOW TO USE GEOGRAPHIC RESPONSE STRATEGIES

The information provided here supplements information provided in the Kodiak SCP and the Alaska Federal/State Preparedness Plan for Response to Oil & Hazardous Substances Discharge/Releases (commonly referred to as the **Unified Plan**). One parameter for the GRS was to not duplicate information provided in either of those plans.

The GRS are intended for use by response professionals already familiar with spill response techniques. Each GRS contains basic protection and recovery strategies, with directions for implementation in the field. Each description contains the strategy objective, deployment depictions, resource sets required to implement the strategy, and deployment considerations and limitations. These general strategies may be adapted to produce a protection scheme for any site in the Kodiak Subarea. The strategies are taken from the State of Alaska's oil spill response tactics guide, *Spill Tactics for Alaska Responders* (STAR Manual). Responders should refer to the STAR Manual for more detailed information about the GRS tactics. The STAR manual, published by ADEC, is available online at:

<http://www.dec.state.ak.us/spar/perp/star/docs.htm>.

Geographic Response Strategies: Part Two – contains site-specific response strategies. An index at the beginning of each subsection shows the location of the selected sites. Each GRS consists of two parts: 1) a graphic page showing a map, deployment diagram, picture and implementation notes; and 2) a matrix giving the location description, response strategy, response resources, staging area, site access, natural resources being protected, and any special considerations. Because the first round of 21 GRS was completed before Alaska adopted a standardized GRS template, these GRS vary somewhat in style and content from the more recently developed ones. (Additionally, #14 Geographic Harbor was revised from the original plan after the site survey for the Mainland Zone.)

#### **D. WHO TO CONTACT FOR INPUT**

Comments and recommendations on these GRS are welcomed. Please send your comments to either of the following agencies:

Alaska Department of Environmental Conservation  
Prevention and Emergency Response Program  
555 Cordova Street  
Anchorage, AK 99501

United States Coast Guard  
Captain of the Port, Western Alaska  
510 L Street  
Anchorage, AK 99501

**GEOGRAPHIC RESPONSE STRATEGIES:  
PART TWO – INDEX MAPS & SITE DOCUMENTS**

*On the Subarea Plan CD, please see the folder  
“Kodiak SCP G-GRS Files” for the GRS figures.*

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