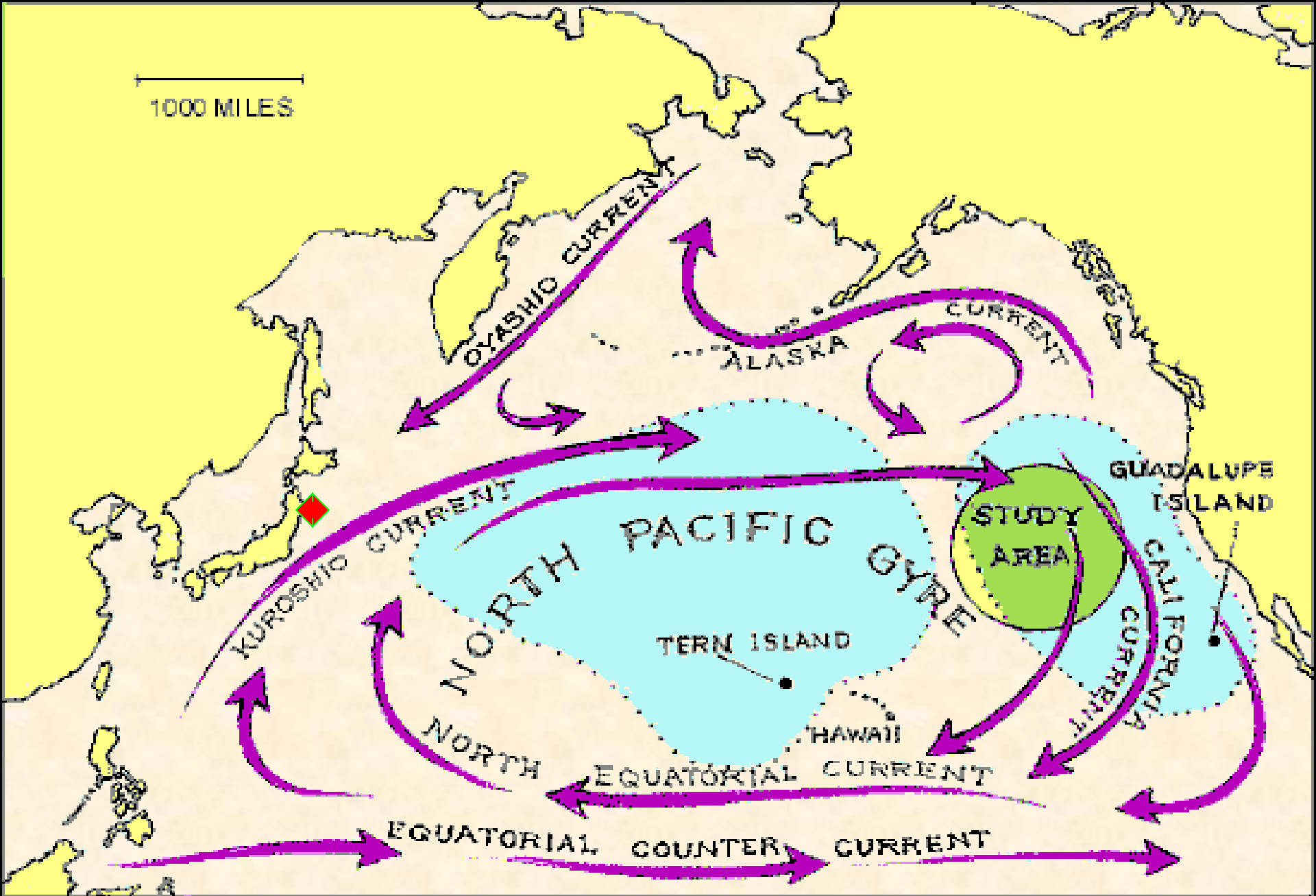




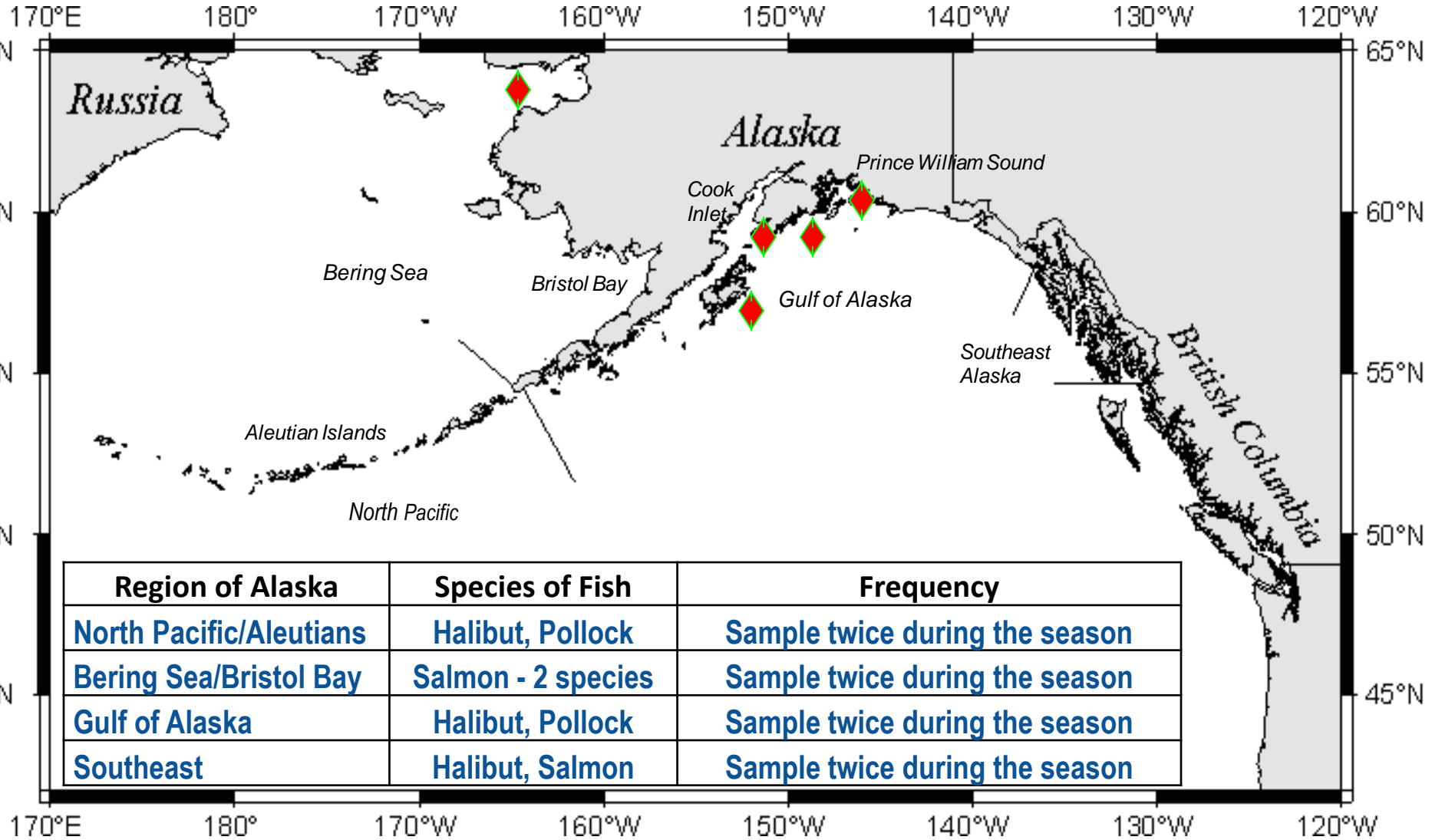
# **Radionuclides: Monitoring Alaskan Fishes**

Bob Gerlach, ADEC  
Ali Hamade, DHSS



# North Pacific Gyre

# Areas Fish Were Collected for the DEC Fish Monitoring Program



## Fish Samples per Region

◆ Water Sample sites

# Radionuclide Data Alaskan Fish (Bq/kg)

| Area                    | Species of Fish  | * MDC (Minimum Detection Concentration) |      |        |      |        |      |  |  |
|-------------------------|------------------|---|------|--------|------|--------|------|--|--|
|                         |                  | I-131                                   | *MDC | Cs-134 | *MDC | Cs-137 | *MDC |  |  |
| Aleutian/<br>Bering Sea | <i>Pollock</i>   | ND                                      | 3.55 | ND     | 2.12 | ND     | 2.06 |  |  |
|                         | <i>Pollock</i>   | ND                                      | 3.41 | ND     | 1.88 | ND     | 1.77 |  |  |
|                         | <i>Pollock</i>   | ND                                      | 5.92 | ND     | 2.07 | ND     | 1.74 |  |  |
|                         | <i>Pollock</i>   | ND                                      | 3.86 | ND     | 2.56 | ND     | 1.97 |  |  |
|                         | <i>Halibut</i>   | ND                                      | 3.31 | ND     | 1.81 | ND     | 1.67 |  |  |
| Gulf of<br>Alaska       | <i>Sablefish</i> | ND                                      | 2.11 | ND     | 1.96 | ND     | 1.68 |  |  |
|                         | <i>Sablefish</i> | ND                                      | 2.72 | ND     | 2.31 | ND     | 1.86 |  |  |
|                         | <i>Halibut</i>   | ND                                      | 2.67 | ND     | 2.13 | ND     | 1.94 |  |  |
|                         | <i>Halibut</i>   | ND                                      | 2.34 | ND     | 1.75 | ND     | 1.51 |  |  |

FDA's Derived Intervention Levels (DILs) for Each Radionuclide Group for Food in Domestic Commerce and Food

| Radionuclide Group      | DIL (Bq/kg) |
|-------------------------|-------------|
| Iodine-131              | 170         |
| Cesium-134 + Cesium-137 | 1200        |