

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ADJOINS MAP #8

SEWARD (D-8) QUADRANGLE

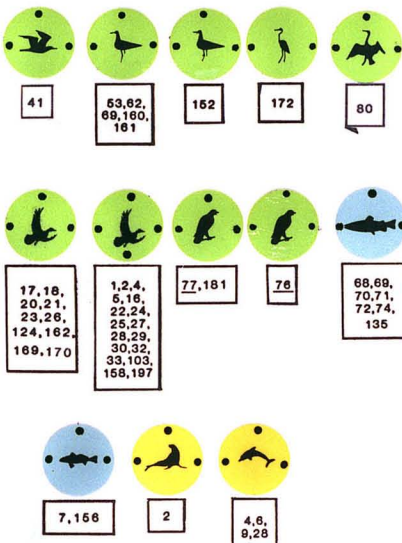
ALASKA

1:63,360 SERIES (TOPOGRAPHIC)

WATERFOWL NESTING AND STAGING AREAS ARE ASSOCIATED WITH COASTAL WETLANDS AND ARE GENERALLY CONFINED WITHIN THESE HABITATS

WATERFOWL NESTING AND STAGING AREA
SPRING - FALL

PRESENT IN NEARSHORE AREA



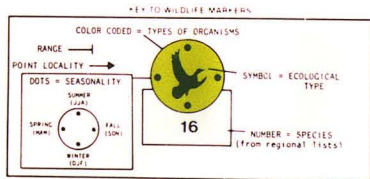
COOK INLET/
KENAI PENINSULA, ALASKA

SHORELINE TYPES

- | | |
|-------------------------------|---------------------------------|
| 1 Exposed rocky shores | 5 Exposed tidal flats |
| 2 Exposed wave-cut platforms | 6 Mixed sand and gravel beaches |
| 3 Fine-grained sand beaches | 7 Gravel beaches |
| 4 Coarse-grained sand beaches | 8 Sheltered rocky shores |
| 9 Sheltered tidal flats | 10 Marshes |

BIOLOGICAL RESOURCES

- | | |
|------------------------------|----------------------|
| MARINE MAMMALS | SHELLFISH |
| Seals, sea lions, and otters | Bivalve molluscs |
| Whales and dolphins | Crabs |
| | Shrimp |
| MARINE BIRDS | FISHES |
| Birds of prey | Anadromous fishes |
| Diving birds | Nonanadromous fishes |
| Seabirds | |
| Shorebirds | |
| Wading birds | |
| Waterfowl | |



SOCIOECONOMIC FEATURES

- | | | |
|-------|---------|------------|
| Parks | Marinas | Boat ramps |
|-------|---------|------------|

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CONTOUR INTERVAL 100 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
DEPTH CURVES IN FEET - DATUM IS MEAN LOWER LOW WATER
SHORELINE CHANGES REFLECT THE APPROXIMATE LINE OF MEAN HIGH WATER
THE AVERAGE RANGE OF TIDE IS APPROXIMATELY 25 FEET

FOR SALE BY U. S. GEOLOGICAL SURVEY
FAIRBANKS, ALASKA 99701, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

**ESI MAP
#13**

SEWARD (D-8), ALASKA
N6045-W14937.5/15X22.5

1951
MINOR REVISIONS 1973

Swamps as portrayed indicate only the wetter areas
usually of low relief as interpreted from aerial photographs