

**▲ WATERBIRD HABITAT**  
 (Areas where concentrations of waterbirds, including ducks, geese, swans and/or shorebirds, have been observed.)

**● GOOSE STAGING AREAS (SPRING & FALL)**  
 (Areas where concentrations of Canada geese have been observed during spring and fall migration.)

**▨ HIGH DENSITY TUNDRA (WHISTLING) SWAN STAGING AREAS (SPRING &/or FALL)**  
 (Areas where concentrations of tundra swans have been observed during spring and/or fall migration.)

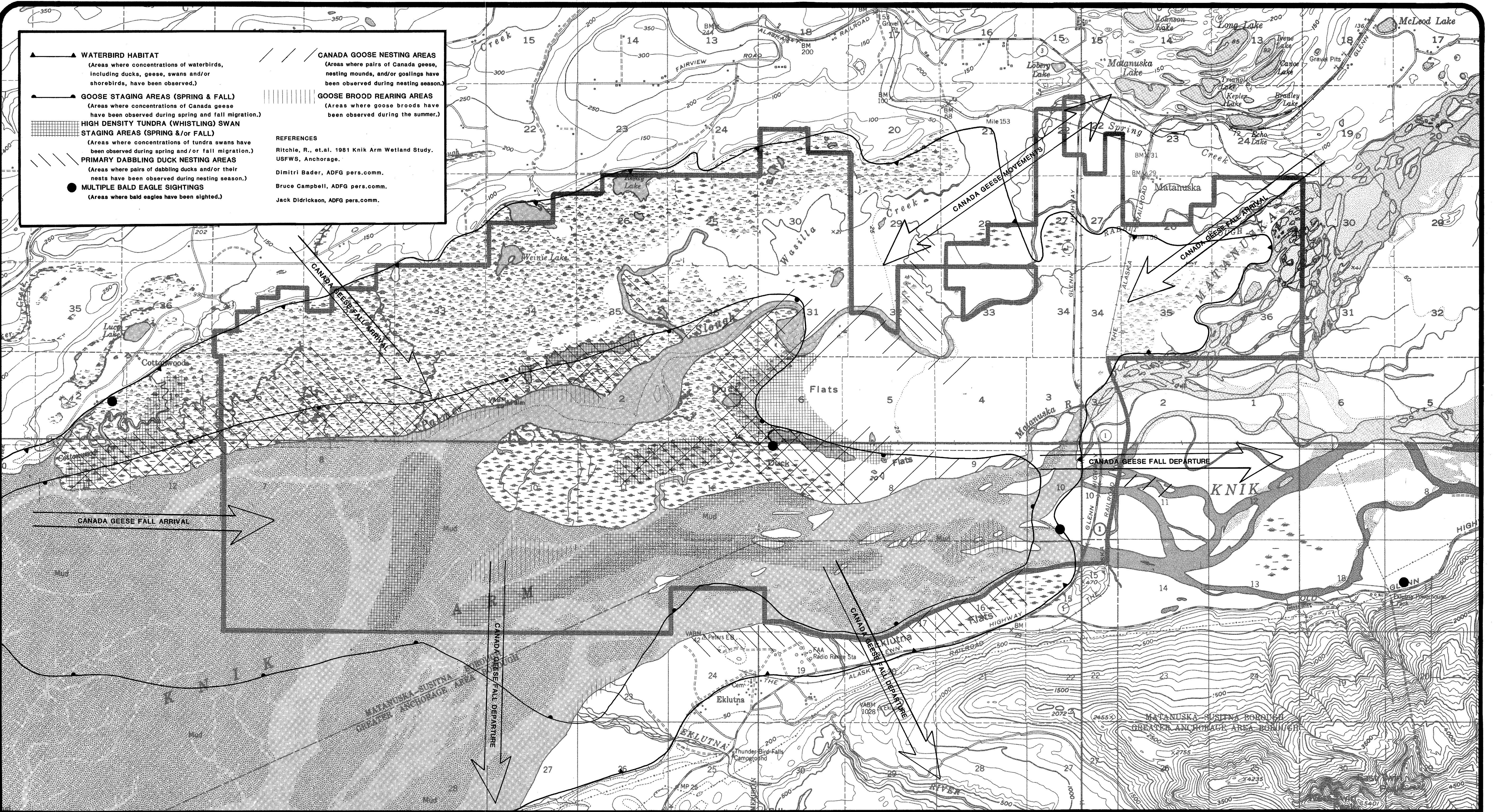
**▨ PRIMARY DABBLING DUCK NESTING AREAS**  
 (Areas where pairs of dabbling ducks and/or their nests have been observed during nesting season.)

**● MULTIPLE BALD EAGLE SIGHTINGS**  
 (Areas where bald eagles have been sighted.)

**▨ CANADA GOOSE NESTING AREAS**  
 (Areas where pairs of Canada geese, nesting mounds, and/or goslings have been observed during nesting season.)

**▨ GOOSE BROOD REARING AREAS**  
 (Areas where goose broods have been observed during the summer.)

**REFERENCES**  
 Ritchie, R., et al. 1981 Knik Arm Wetland Study. USFWS, Anchorage.  
 Dimitri Bader, ADFG pers.comm.  
 Bruce Campbell, ADFG pers.comm.  
 Jack Didrickson, ADFG pers.comm.



**HABITAT DIVISION**  
 NOVEMBER 1986

**BIRD HABITAT**  
**PALMER HAY FLATS**  
 State Game Refuge

