

### **City of License Coverage**

The community of license for KGCF is Juneau, Alaska. The city of Juneau contains an area of 7,842.38 sq. km\* and has a population of 30,711\* persons (see Exhibit 14-A). The proposed facility's 60 dBu F(50,50) contour covers 557 sq. km and 25,154 persons within the city limits of Juneau. Shown in Exhibit 14-B is a map of the contour coverage area. Additionally shown in Exhibit 14-B is a population scattergraph of the area. The chart below shows the percentages of both area and population covered within the city limits of Juneau covered by the proposed KGCF facility.

	City of Juneau KGCF Proposed		Percentage of Coverage
Area	7842.38	557	7.10%
Population	30,711	25,154	81.91%

Thus, the facility proposed in this application meets the requirement to serve the community of license.

\*Note - The city limits and population were calculated using the 2000 Census data as rendered by V-Soft Communications program Probe 4.

### **City of License Area**

\*Polygon Population Report - Juneau (entire city of Juneau)

Population Database: 2000 US Census (SF1)

Total Population: 30,711

Housing Units: 12,277

Polygon Area: 7842.38 sq. km

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\*Polygon Population Report - Juneau (city of Juneau covered)

Population Database: 2000 US Census (SF1)

Total Population Within Contour: 25,154

Housing Units Within Contour: 10,045

Total Area Within Contour: 557 sq. km

## Exhibit 14 - B

### KGCF

Latitude: 58-18-05 N  
Longitude: 134-26-26 W  
ERP: 3.00 kW  
Channel: 209  
Frequency: 89.7 MHz  
AMSL Height: 57.0 m  
Elevation: 2.0 m  
Horiz. Pattern: Omni  
Vert. Pattern: No  
Prop Model: None

