

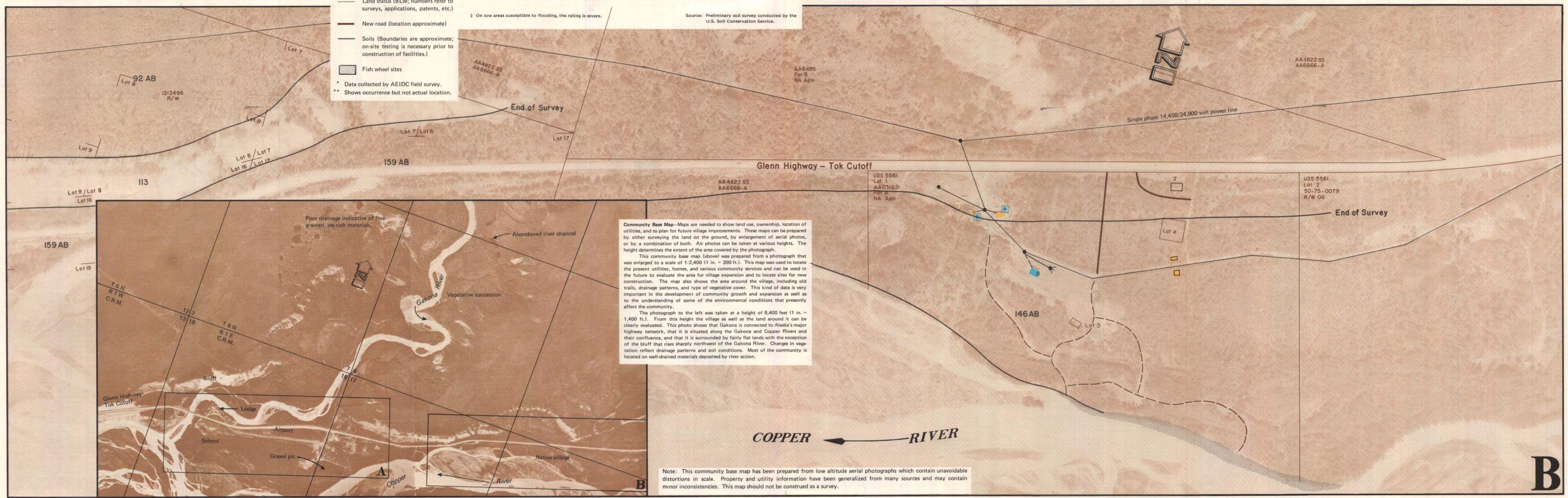
- Land use * Residential
- Public
- Commercial
- Commercial use area
- Electricity (CVEA) Pole
- Service cable
- Underground service cable
- ⦿ Street light
- Well **
- ⊕ Well (PHS) **
- ⊙ Septic tank **
- Ⓢ Phone (CVTC) **
- Trails
- Land status (BLM; numbers refer to surveys, applications, patents, etc.)
- New road (location approximate)
- Soils (Boundaries are approximate; on-site testing is necessary prior to construction of facilities.)
- ▨ Fish wheel sites
- * Data collected by AEIDC field survey.
- ** Shows occurrence but not actual location.

Mapping Unit	Soil Description	Soil Limitation Ratings					
		Septic Tank Absorption Fields	Camp-grounds	Buildings	Paths	Picnic Areas	Playgrounds
92 AB	Copper River silt loam, 0 to 7 percent slopes—Somewhat poorly drained gray silty soils with permafrost; calcareous suitable for grassed and short season vegetables if cleared and drained.	Severe (wet, permafrost)	Severe (wet)	Severe (wet, permafrost)	Moderate (wet)	Severe (wet)	Severe (wet)
107	Alluvial land—Sandy coarse gravely frequently flooded sediments bordering streams; not suitable for cultivation.	Severe (floods)	Severe (floods)	Severe (floods)	Moderate (floods)	Severe (floods)	Severe (floods)
113	Terrace escarpments—Coarse textured materials on very steep banks or slopes; very susceptible to gullying, and should remain in natural vegetation for wildlife.	Severe (slope)	Severe (slope)	Severe (slope)	Severe (slope)	Severe (slope)	Severe (slope)
146 AB	Kiutina very fine sandy loam, 0 to 7 percent slopes—Deep, well drained, slightly acid to calcareous soils in gray silty and fine sandy waterlaid sediments; suitable for forage crops and short season vegetables, but susceptible to wind erosion on cultivated fields.	Moderate (percolation rate)	Moderate (dusty)	Slight	Moderate (dusty)	Moderate (dusty)	Moderate (dusty)
159 AB	retains fine sandy loam—very shallow, grayish, sandy waterlaid sediments over coarse gravely and stony deposits on nearly level tracts of river bottoms; suitable for crops that require medium tillage, but tends to be droughty.	Slight	Moderate (dusty)	Slight	Moderate (dusty)	Moderate (dusty)	Moderate (dusty)

1 On low areas susceptible to flooding, the rating is severe.

Source: Preliminary soil survey conducted by the U.S. Soil Conservation Service.

- 1 Lodge and store
- 2 Trappers Den bar
- 3 Rental cabin
- 4 School / ice rink
- 5 Post office
- 6 Community hall
- 7 Church (under construction)



- ▨ Poor drainage indicative of fine-grained, ice-rich materials.
- Abandoned river channel
- Vegetative succession

Community Base Map—Maps are needed to show land use, ownership, location of utilities, and to plan for future village improvements. These maps can be prepared by either surveying the land on the ground, by enlargement of aerial photos, or by a combination of both. Air photos can be taken at various heights. The height determines the extent of the area covered by the photograph.

This community base map (above) was prepared from a photograph that was enlarged to a scale of 1:2,400 (1 in. = 200 ft.). This map was used to locate the present utilities, homes, and various community services and can be used in the future to evaluate the area for village expansion and to locate sites for new construction. The map also shows the area around the village, including old trails, drainage patterns, and type of vegetative cover. This kind of data is very important in the development of community growth and expansion as well as to the understanding of some of the environmental conditions that presently affect the community.

The photograph to the left was taken at a height of 8,400 feet (1 in. = 1,400 ft.). From this height the village as well as the land around it can be clearly evaluated. This photo shows that Gakona is connected to Alaska's major highway network, that it is situated along the Gakona and Copper Rivers and their confluence, and that it is surrounded by fairly flat lands with the exception of the bluff that rises sharply northwest of the Gakona River. Changes in vegetation reflect drainage patterns and soil conditions. Most of the community is located on well-drained materials deposited by river action.

Note: This community base map has been prepared from low altitude aerial photographs which contain unavoidable distortions in scale. Property and utility information have been generalized from many sources and may contain minor inconsistencies. This map should not be construed as a survey.