107-20-10100-0010 SE

Bob Baade
5/5/65

107-20 -

ALASKA DEPARTMENT OF FISH AND GAME
Sport Fish Division

Lake Survey Form

Lake Lake Helen, Santa Anna Inlet Sec. ____, Twp. ____, Rge. ____, Lat. 55° 58' 18" N., Long. 131° 56' 55' 43" W.

Acreage Est. 60 acres Max. Depth Est. 50+ ft. Altitude 15 ft. above high tide

Location Head of Santa Anna Inlet Water Color (clear, silty) Clear, some muskeg stain

Type of Bottom Mostly detritus, some boulders and gravel

Inlets (name, size, permanency) No name, one major Est. norm. 35 cfs at head of lake

Benchmark (Description) None

Outlet (size, immediate and main drainage) No name, est. norm. 45 cfs into Santa Anna Inlet

Barriers None in lake outlet, falls noted 3/4 mi. above lake.

Use (Private, public, semiprivate) Public. Lies in Tongass National Forest

Public Access Site None

Facilities (Campground, roadhouse, etc.) None, old trail on left side of creek to lake ¼ mi.

Native Fish Species All salmon except kings, cutthroat, steelhead, rainbow, dolly varden (cottaide, sticklebacks

Introduced Species None known

Spawning Grounds Very good at head of lake

Fishing History Formerly a cannery at stream mouth, abandoned for years

Other Uses Trapping

Fish Losses None known

Character and size of watershed Timbered and muskeg to elevation 2500 ft., approx. 4,000 acres

Remarks This system investigated with the idea that possibly a spawntaking station could be set up on the lake outlet. The site is good but the run of desired fish seems insufficient.

(over)

Description of accessibility (how reached) By boat and a 10 minute hike from the bay or fly in.

Sketch: showing outline of lake, depth, prominent landmarks, inlets, outlet, weedbeds, public service site location, benchmark location, etc.