

**Alaska State Library
Historical Collections**

Guide to Collection

Alaska Electric Light & Power Company

Alaska Electric Light & Power Company Photograph Collection, 1912-1945

PCA 140

ACQUISITION: Alaska Electric Light and Power Company (AEL&P), Juneau, acquired the Alaska - Juneau Gold Mining Company properties, including their photographs of the mining operation, construction of Salmon Creek Dam, etc. The original glass plates and film negatives, primarily taken by Winter & Pond, were loaned to the library for copying in May, 1979. (No accession number).

Many of the glass plates are included in MS999 which was donated by Alaska Electric Light and Power Company in 1999 (Accession no. 99-61). The negatives (by Winter & Pond Co. for the Alaska Gastineau Mining Co.) [Ak Gast Glass Plates.xls] are located in two wood boxes stored in the Vault in Glass Cabinet #3 (MS 999).

ACCESS: The collection is available for research, however the photographs may not be photocopied.

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PROCESSING: The contact prints were made from original glass plate and film negatives.

HISTORICAL NOTE

The Alaska Juneau Gold Mining Company (AJ) was incorporated in early 1897. Twenty-three, patented mining claims were purchased in Silver Bow Basin between Perseverance and Ebner mines and 400,000 shares of stock were issued at \$10.00 each. Fred Worthen Bradley, a mining engineer and president of the Bunkerhill and Sullivan silver/lead mine in Idaho, purchased a large interest in the AJ holdings in 1900, and later became president. His brother, Philip, succeeded him when F.W. Bradley died in 1933.

The mine operated from 1897 to 1944, when it closed due to the war. During that time it operated for 14 years without profit. Ninety million tons of rock and ore were mined, yielding \$80 million in gold by the time it closed. According to David Stone, in his book, *Hard Rock Gold* (1980), "no other company has ever mined ore so low in grade, so long, underground, and made it pay." In 1972, Alaska Electric Light and Power Co., and the City and Borough of Juneau, purchased all of the AJ properties and holdings. (From: *Hard Rock Gold*, Stone, D., 1980).

Alaska-Juneau Gold Mining Co. records may be found in MS 70, MS 999.

SCOPE AND CONTENTS NOTE

The collection of contact prints show the Alaska Juneau Gold Mining Co. in operation, design and construction, machinery, railways, power plants, warehouses, mills, the surrounding area including Gastineau Channel, Salmon Creek, Sheep Creek, Annex Creek, Mahoney Lake.

INVENTORY

- 1 Gastineau Channel - Map for use of Alaska Gastineau Mining Company, Juneau, Alaska. Power Supply Division. Annex Creek Project Proposed Development.
- 2 Upper Lake Annex Creek. 6-23-15. (A.8)
- 3 Map showing correlation of Salmon Creek Power Product with Perseverance and Sheep Creek Mines.
- 4 [A building with a railroad crossing creek and a hill.] [Annex Creek Power Plant] (A.20)
- 5 Salmon Creek Dam. 8-22-15. (S.61)

- 6 [Closer side view of dam.] 8-28-15 (S.47)
- 7 Annex Creek Project - Power Plant, Construction Camp and dock. 9-7-16 (A.31)
- 8 Power Plant Annex Creek (24)
- 9 [A view of pond on low land with buildings and mountains in back.]
- 10 Entrance to Gastineau Tunnel from Gastineau Channel to Silver Bow Basin, Length 10,900 feet. 12 x 12.
- 11 [Waterfall on Salmon Creek?]
- 12 [Salmon Creek?]
- 13 Shay locomotive pushing 20 tons of cement up 7% grade to dam construction camp. Power Supply division - Salmon Creek. 9/25/13. (S.81)
- 14 [Constructed object with water coming out of it on a downhill grade.] (4.S.)
- 15 [Construction site, water pouring out.]
- 16 Power Supply Division. Salmon Creek. 8/31/13.
- 17 [Dam construction site, Salmon Creek?]
- 18 Power Supply Division, Salmon Creek. 9-8-13.
- 19 Power Supply Division, Salmon Creek, 8-8-13.
- 20 Power Supply Division, Salmon Creek 8-8-13. (14.S)
- 21 Salmon Creek Valley (above dam) 8-22-14 (S.39)
- 22 Looking toward Salmon Creek Dam from Upper Valley - 8/22/14 (S.37)
- 23 [Looking at Valley from left side of dam?] 8-28-14 (S.49)
- 24 Power Supply Division. Salmon Creek. 9-25-13 (20S)
- 25 Long Lake Outlet [Another view of outlet?]
- 26 Right Bank of outlet Orchard Lake, Orchard Lake Elev. 134' Area+ 615 Acres, Twin Falls, Shrimp Bay, Revillagigedo Island.

- 27 Falls from Upper Mahoney Lake - Lower Mahoney Lake, Elevation 75 feet Area + - 600 acres.
- 28 Swan Lake Outlet, Swan Lake (From El. 1100') Elevation of Lake 225' Area of Lake + - 300 acres. Swan Lake Carroll Inlet Revillagigedo Island.
- 29 Upper Mahoney Lake, Elevation 2000' Area + - 180 acres. - Falls from Upper Mahoney Lake - Lower Mahoney Lake, Elevation 75 feet. Area + 600 acres.
- 30 Upper Mahoney Lake - Elevation 2000 feet Area + - 180 acres. - Upper Mahoney Lake. -
- 31 [Map of Revillagigedo Island.]
- 32 Beach end Carlson Creek Tram. (A.16)
- 33 Carlson Creek Power Project, Map of Reservoir Site. Alaska Gastineau Mining Co., Juneau, Alaska.
- 34 [Carlson Creek Valley?]
- 35 Looking down Carlson Creek. (A.19)
- 36 Carlson Creek Project Looking upstream. 9-7-16 (A.32)
- 37 Carlson Creek Project. Looking downstream. [Proposed height of dam outlined?] 9-7-16. (A-33)
- 38 Carlson Creek Canyon. (A-17.)
- 39 Gauge Station. Carlson Creek Project. Showing storage basin. 9-7-16. (A-34)
- 40 [An Inlet with building by the water.] (5/22/15) (A3)
- 41 Power House. 6-23-15. (A.5)
- 42 [Power House, closer view.] 5-22-15. (A-1)
- 43 [Salmon Creek Power Project profile and sections of dam.] Plate III. Alaska Gastineau Mining Co. Juneau, Alaska.
- 44 Salmon Creek Power Project Construction Plant for dam. Plate VI. Alaska Gastineau Mining Co., Juneau, Alaska.

- 45 Salmon Creek Power Project Sketch Map.
- 46 Topographical map of dam site and vicinity, Salmon Creek. Alaska Gastineau Mining Company.
- 47 Map of Salmon Creek Basin at the head of proposed pipe line.
- 48 Map of the Salmon Creek Power Project and the adjacent Harris Mining District, Juneau, Alaska.
- 49 [A.G.M. CO. Power House No.2, View of side of dam.)
- 50 Power Supply Division - Salmon Creek - 1-15-14. (3.S)
- 51 Salmon Creek #1 Power Plant.
- 52 Power Supply Division - Salmon Creek - Power turned on Jan. 26th, 1-26-13.
- 53 Power Supply Division - Salmon Creek #1 Power house. 1-5-14.
- 54 Power Supply - Salmon Creek. 7-1-15. (S.55)
- 55 Face of Salmon Creek Dam. 8-22-14. (S.46)
- 56 Power Supply Division. 10-10-14. (S.52)
- 57 [One side of dam.] 8-30-14.(S-48)
- 58 [Dam, releasing after release of content.] 8-28-14. (S.46)
- 59 Upper Valley Salmon Creek. (6.S.)
- 60 Power Supply Division. 10-10-14. (S.53)
- 61 Power Supply Division, Salmon Creek. 9-8-13. (17.S)
- 62 [Power Supply Division. 9/25/13.]
- 63 Salmon Creek Dam. 8-22-14. (S.45)
- 64 Spillway - Salmon Creek Dam. 8-22-14. (S.44)
- 65 Salmon Creek Dam. 8-22-14. (S.41)

- 66 Salmon Creek Dam. Face before water was turned in. 8-22-14. (S.43)
- 67 Salmon Creek Dam from gravel pit. 8-22-14. (S.42)
- 68 Power Supply Division - Salmon Creek 6-8-14. (S.20)
- 69 Valley with pipes not assembled. 9-25-13.
- 70 Salmon Creek Dam from Lower Valley. . 8-22-14. (S.40)
- 71 Power Supply Division - Salmon Creek 7-12-13. (10.S)
- 72 Power Supply Division Salmon Creek 7-12-13 (12.S)
- 73 Power Supply Division - Salmon Creek. 7-12-13 (11 S.)
- 74 Power Supply Division - Salmon Creek. 7-12-13 (9.5)
- 75 Salmon Creek Division (14.S)
- 76 Power Supply Division. 10-10-14 (S.50)
- 77 Power Supply Division. 10-10-14. (S.54)
- 78 Salmon Creek Lake from dam. 6-30-15. (S.56.)
- 79 [Salmon Creek Lake?]
- 80 [Salmon Creek Lake?]
- 81 Upper Valley from Salmon Creek Dam. 8-22-14. (S.38)
- 82 Upper Valley Salmon Creek. (2.S)
- 83 Power Supply Division Salmon Creek. 10-10-13.
- 84 Power Supply Division. Salmon Creek 10-10-13.
- 85 Annex Creek Project. 9-7-16. (A.29)
- 86 Railway Construction. Annex Creek. 6-23-15. (A.9)
- 87 Upper and Annex Creek Tram. (A.13)

- 88 Upper Camp - Annex Creek. (A.11)
- 89 Annex Creek Project - Tunnel Portal. 9-7-16. (A.28)
- 90 Upper Camp and Tunnel Portal - Annex Creek. 9-11-15 (A.12)
- 91 Lower Lake Annex Creek. 6-23-15. (A.7)
- 92 Annex Creek Project, Tunnel 1500' long Tapping Lake 150' deep, Height of rock fill dam to increase storage., lower lake. 9-7-16. (A.27)
- 93 Dam and penstock - upper lake, Annex Creek. (A.14)
- 94 Annex Creek Project. Height of rock fill dam to increase storage, showing lower end of Upper Lake. 9-7-16. (A.25)
- 95 A.G.M. Co. Power Plant No. 1 (64)
- 96 Upper Lake, railway plan and lower lake. 6-23-15. (A.5)
- 97 Salmon Creek Data, temperature, precipitation, run off.
- 98 Salmon Creek power project. hydrographic data.
- 99 Salmon Creek data, temperature, precipitation, runoff.
- 100 Sectional Plan.
- 101 Salmon Creek Data. Temperature, precipitation, runoff.
- 102 [A.G.M. Co., Power supply. Division General assembly unit #2.
- 103 Salmon Creek Power Project. General plan of dam.
- 104 Lower floor, coarse crushing plant. (3)
- 105 Sheep Creek Division. 4-1-14. (C.27)
- 106 [Mill plant by tramway?] January, 1915. (C.73)
- 107 Mill plant - capacity 10,000 tons daily. Thane, Alaska. January, 1915. (C.75)
- 108 Gas plant - power supply. 12-1-16.

- 109 [Gas plant. power supply division]
- 110 [Gas plant power division.] A. 5-28-12
- 111 Gas plant. Power supply division. 11-14-12.
- 112 Rotary converters and automatic air compressor. (16)
- 113 [Gas plant, switching room?]
- 114 Head of Tunnel 42" belt conveyor.
- 115 [Railway for Power Plant Division.] 2-7-16. (C-83)
- 116 Sheep Creek Division, portal camps. 10-21-14. (C.54)
- 117 Sheep Creek Division Mine camp. 12-1-72. (12)
- 118 Sheep Creek Division Mine Camp. 12-1-12.
- 119 Mill and outbuildings, Sheep Creek. (#3)
- 120 General view of mines from terminal - Sheep Creek. (#1)
- 121 Snowslides, Sheep Creek. January, 1917.
- 122 [Mill Plant?] 8-28-14 (C-45)
- 123 Cut thru snow slide. Sheep Creek. January, 1917. (S.86)
- 124 Lower Floor Experimental Mill - Sheep Creek Division, 7-3-13. (C.19)
- 125 Upper Floor Experimental Mill - Sheep Creek Division. 7-3-13 (C.11.)
- 126 On road near Supt. House, Sheep Creek. (#1)
- 127 [On road near Supt. House, Sheep Creek.]
- 128 Gas Plant - Power Supply Division 12-1-12.
- 129 [Power plant engine?] 5-28-12 (C)
- 130 [Power plant engine?] 5-28-12 (B)

- 131 [Power plant engine? from side.]
- 132 Top of incline tram, showing yard. (looking toward coarse crushing plant.) 12-28-14. (C.70)
- 133 Sheep Creek Division - 12/3/14. (C.56)
- 134 Sheep Creek Mine. 12-3-14. (C.57)
- 135 Sheep Creek Division. 9-19-14. (C.51)
- 136 Sheep Creek Division. 12-3-14 (C.61)
- 137 [Mill Plant.] 12-28-14. (C.68)
- 138 Coarse crusher plant. Sheep Creek Division. 12-3-14. (C.60)
- 139 [Men looking over paper inside of a building.]
- 140 Sheep Creek Division, crusher, 6000 ton foundation roll on concentrator section, wood working shop, machine shop, warehouse. 12-30-13.
- 141 Sheep Creek Division, foundation for coarse crushing plant. 3-25-14. (c.24.)
- 142 Sheep Creek Division, cutting out foundation for 6000 ton reduction plant. 12-30-13.
- 143 Sheep Creek Division, 12-30-13.
- 144 Sheep Creek Division. 3-25-14 (23)
- 145 [The erection of the mill, and coarse crushing plant behind?]
- 146 [Erection of mill.] 7-16-14. (C.38)
- 147 Sheep Creek Division, view from coarse crushing plant. 3-25-14. (C.22)
- 148 [Side front view of the Mill's erection.] 7-16-14. (C. 39)
- 149 (Side front view of the erection of mill.) 8-20-14 (C. 46)
- 150 A.G.M. CO. Mill - Thane, Alaska. (#1)

- 151 [Rear side view of the erection of mill.] 8-28-14. (C.-43)
- 152 Ore train - Sheep Creek -2-22-17. (C-87)
- 153 [Erection of mill.] 8-28-14 (C-44)
- 154 Sheep Creek Division. 9-19-14. (C.49)
- 155 Sheep Creek Division. 9-19-14. (C.47)
- 156 Sheep Creek Division. 9-19-14. (C.49)
- 157 Sheep Creek Division. 9-19-14. (C.48)
- 158 Sheep Creek Division (C.31)
- 159 Sheep Creek Division. 9-19-14 (C.50)
- 160 [Erection of mill, Sheep Creek Div.] 6-7-14. (C.35)
- 161 [Erection of the mill, Sheep Creek Division.] 6-7-14. (C.31)
- 162 [Sheep Creek Division, erection of mill.] 6-7-14. (C.36)
- 163 [Front view, Sheep Creek Div. A.G.M.CO.] 6-7-14. (C.32)
- 164 [Erection of the coarse crusher.] 6-7-14. (C.34)
- 165 [Erection of mill, Sheep Creek Division. A.G.M. Co.] 7-16-14. (C.40)
- 166 Sheep Creek Division. 10-6-13. (Winter & Pond Co. C-13)
- 167 Sheep Creek Division. 9-19-14. (C.52)
- 168 Thane, Alaska. 11-2-14 (C.66)
- 169 [Sheep Creek Division Construction supplies at dock?] 7-16-14. (C.37)
- 170 Reclaimed tide land.
- 171 [Sheep Creek Div. from across the river.] 6-7-14. (C.33)
- 172 [Sheep Creek Division, from across the river during winter season?]

- 173 Sheep Creek Division. 2-7-13
- 174 Sheep Creek Division. 12-30-13. (C.17)
- 175 Sheep Creek Division. 4-1-14. (C.26)
- 176 Sheep Creek Division, 12-3-14. (C.58)
- 177 Sheep Creek Division. 12-3-14. (C.55-E)
- 178 Second Floor Retreatment Plant. (14.)
- 179 [Retreatment Plant.] 12-28-14. (C.72)
- 180 [Tipple Dumping - not in motion.] Jan. 1915. (C.76)
- 181 Tipple dumping 40 tons of ore at one revolution. Jan. 1915. (C.77)
- 182 Four car tipple. (2)
- 183 [Five car tipple. not in motion.]
- 184 Upper Floor Retreatment Plant. (13)
- 185 [Alaska Gastineau Mining Company Railroad Locomotive.] 12-28-14 (C.71)
- 186 [Haulage cars? filled with ore.]
- 187 General view of basin from canyon. Sheep Creek. (#4)
- 188 Sheep Creek Division. 12-30-13. (C20)
- 189 Sheep Creek Division, Railway leading to Perseverance Mine. 12-3-14. (C-65)
- 190 Sheep Creek Division. 12-3-14. (C.64)
- 191 Sheep Creek Division. 12-30-13 (C.21)
- 192 [Railway on side of mountains.]
- 193 [Railway crossing small creek on side of mountains near a small building]
- 194 General view of upper basin from terminal, Sheep Creek. (#7)

- 195 [View of railway going into or through a building.]
- 196 [View of completed mile from side.] 1-29-15 (C.79)
- 197 Roll floor. (8)
- 198 [Side view of mill. 2-7-16.] (C.82)
- 199 [Front view of mile, crusher in rear.] January 1915. (C.74)
- 200 [Closer front view of mill.] (C80.)
- 201 [Railway going through the mill?] January 1915. (C.78)
- 202 Tube mill and classifier floor. (10)'
- 203 Secondary roughing and concentrating floor. (12.)
- 204 Tube mill floor. 30 ton crane in foreground. (11.)
- 205 Primary roughing and concentrating floor.
- 206 Impact screen floor. (7)
- 207 72" Roll section on roll floor. (5)
- 208 Tripper conveyor. (6.)
- 209 Sheep Creek Division. 9-19-14. (C.48)
- 210 Sheep Creek Division. 11-5-14 (C.55.)
- 211 Sheep Creek Division 11-5-14 (C.56)
- 212 Sheep Creek Division. 11-5-14. (C.37)
- 213 Sheep Creek Division 12-3-14. (C.63)
- 214 Sheep Creek Division 12-3-14. (C.59)
- 215 [Side and ceiling of a section of the Sheep Creek Division.] 12-3-14. (C.63)
- 216 Sheep Creek, fine crushing department, general cross section thru fine roll unit.

- 217 Sheep Creek, fine crushing department, general cross section, thru coarse roll unit.
- 218 A.G.M. CO. Experimental Mill, Sheep Creek, insurance map no.7.
- 219 A.G.M. CO. Portal Camp, Sheep Creek. Insurance map no.6.
- 220 A.G.M. CO. arrangement at breast. Figure 1.
- 221 Round of holes as employed in driving the Sheep Creek Tunnel. A.G.M. CO. figure 3.
- 222 A.G.M.CO. 3 room cottage A.
- 223 A.G.M. CO. Club House.
- 224 A.G.M. CO. Club House.
- 225 A.G.M.CO. Five room cottage.
- 226 A.G.M. CO. Time and labor office.
- 227 A.G.M.CO. Sheep Creek Plant
- 228 A.G.M.CO. Conflict with property claimed by Alaska Treadwell Mining Co.
- 229 A.G.M.CO. Retail store plans.
- 230 A.G.M.CO. Arrangement of machines - machines and carpenter shops.
- 231 A.G.M.CO. Electrical warehouse.
- 232 A.G.M.CO. Meat market.
- 233 A.G.M.CO. Meat market.
- 234 A.G.M.CO. 80'x 120' mess house.
- 235 A.G.M.CO. 52 - man rooming house plan, elevation & sections.
- 236 A.G.M. CO. Assay & Sampling building.
- 237 Sheep Creek, general plan. Primary, crushing department.

- 238 Sheep Creek, general cross section, primary crushing department.
- 239 A.G.M.CO. Sheep Creek Division. Roof over 10,000 barrel oil tank.
- 240 A.G.M. CO., [Alaska Gold Mines Co.?] Mill Office.
- 241 Sheep Creek, cross section of concentrator.
- 242 A.G.M. CO. Retreatment Plant.
- 243 A.G.M.CO. Diagram of labor distribution.
- 244 A.G.M. CO. Steel design heat & plumbing plant.
- 245 A.G.M. CO. Arrangement - machines - beach pump plant.
- 246 A.G.M. CO. Heine boiler setting for heating plant.
- 247 A.G.M. CO. compressor and transformer building extension to beach pumping plant: foundation and arrangement.
- 248 A.G.M. CO. piping between tanks and mill.
- 249 [Picture of the Alaska Treadwell Mines.]
- 250 Upper Lake - annex creek dam. 9-11-15 (A.15)
- 251 Salt water pumping plant. (7)
- 252 Sheep Creek Division, 4-1-14. (C-28)
- 253 Sheep Creek Division, 1-4-14. (C-25)
- 254 Sheep Creek Division, 4-1-14. (C29)
- 255 [Powerhouse? mill and crusher, Sheep Creek.]
- 256 [Power House? mill and crusher, Sheep Creek.] 2-7-16 (C.81)
- 257 Machine shop. Thane, Alaska. 7-16-14. (C.42)
- 258 [A.G.M. Co., Assay & sampling building?]
- 259 10 ft. boring mill - machine shop. (19)

- 260 [Machine shop, Thane, Alaska.] 7-16-14. (C.41)
- 261 Sheep Creek Division, Dining Room at Beach Camp. (C-14)
- 262 [Front view of mill.] 12-28-14. (C-69)
- 263 Sheep Creek Division. [kitchen] 12-30-13. (C.15)
- 264 Sheep Creek Division. [machine shop?] 4-1-14. (C 30)
- 265 [Bookshelf of books.]
- 266 Power Supply Division - Salmon Creek. 10-6-13. (22.S.)
- 267 Salmon Creek Power Plant. 9-17-16. (62)
- 268 Carlson Creek Power Project.
- 269 [Map of Japan, with lines to Alaska and North America.]
- 270 [Side view of mill. A.G.M. Co. Sheep Creek.] 8-28-14. (C.45)
- 271 [Rear side view of mill, A.G.M. Co. Sheep Creek.]
- 272 Sheep Creek Division, 9-19-14. (C.53)
- 273 Sheep Creek Division, 9-19-14. (C.49)
- 274 Sheep Creek Division, 9-19-14. (C.48)
- 275 [View of Channel Mountains in back, mill in river front.]

INVENTORY OF GLASS PLATE NEGATIVES

Stored in Glass Cabinet #1 in vault

1 Box:

#4, 5, 7, 43, 56, 103, 152, 168, 172, 183, 199, 203, 267