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U.S. GEOLOGICAL SURVEY
DENVER
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GEOLOGIC DIVISION

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Traverse 2-4
Background
13 counts per minute
100 0 500 Feet

Approximate position of canyon rim

Creek

Nugget

Traverse 4-1
Background
13 counts per minute
100 0 200 Feet
Contour interval 50 feet

Outline of gully

Nugget Cr

Position of cut bank after flood of August 8-12, 1945

Traverse 2-5
Background
13 counts per minute
100 0 200 Feet

Cut bank

Nugget Creek

Tailings and patches of gravel on Eocene bedrock

Traverse 2-2
Background
11 counts per minute
100 0 200 feet

Cut bank

Traverse 5-1

Traverse 5-2

Background
10 counts per minute
100 0 200 Feet

Limit of excavation

Traverse 5-3
Background
10 counts per minute
50 0 100 Feet

Tool shed

Traverse 3-1
Background
13 counts per minute
50 0 100 Feet

Gravel
Slate

TRACTOR TRAIL

CUT FOR SLUICE BOXES

WING DAM

Tailings

Slate & Gravel

3 feet above 12

7 feet above 13

Traverse 2-3
Background
12 counts per minute
100 0 200 Feet

Nugget Creek

Cut bank

Traverse 2-1
Background
Not determined
100 0 500 Feet

Nugget Creek

Cut bank

TRUE NORTH
28°
MAGNETIC NORTH

SECTION A-A'

Station numbers above profile
sample numbers below profile

INDEX
TO
NUGGET CREEK TRAVERSES
1000 0 1000 Feet

Approximate position of valley rim

Nugget Cr

Cache Cr

EXPLANATION

Field station
- 11Q — Station number, age and lithology
- 18 — Counts per minute
- 14* — Counts per minute of rough-screened sample
- 5AQ / 14 — A, above
- 5BEc / 16 — B, ½-3 feet vertically below A

Laboratory sample
- 47Q / .005 / .004 / .003 / .002 / .003 — Sample number, age and lithology; -4,+7 mesh fraction; -7 mesh fraction; Gravity concentrate from {1 cu.ft. of gravel / 9 cu.ft. of gravel / 27 cu.ft. of gravel}
- 28T / .003 / .001 / .001-r3 — As above; Gravity concentrate from 3 cu.ft of gravel

Age and lithology
- R — Floodplain gravel
- W — Tailings
- Q — Quaternary bench gravel
- Qg — Quaternary glacio-fluvial gravel
- T — Late Tertiary gravel
- E — Eocene {gravel / sand / clay}
- M — Mesozoic bedrock

GD. Robinson and Helmuth Wedow, Jr. 1945

TRAVERSES ON NUGGET CREEK, YENTNA DISTRICT, ALASKA