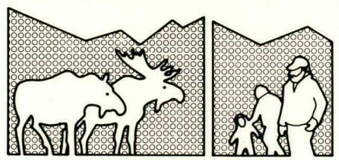
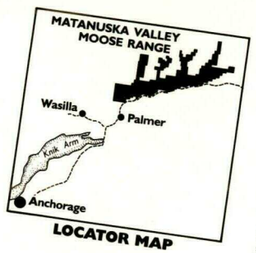
Appendix VIII
GEOLOGY RELATED MAPS

MAP 11: POTENTIAL CONSTRUCTION MATERIAL

MATANUSKA VALLEY
MOOSE RANGE
MANAGEMENT PLAN





LOCATOR MAP

MOOSE CREEK DRAINAGE

GRANITE CREEK DRAINAGE

KINGS RIVER DRAINAGE

CHICKALOON RIVER DRAINAGE

BOULDER CREEK DRAINAGE

MOOSE RANGE BOUNDARY

Little Susitna River

Moose Creek

Granite Creek

Young Creek

Kings River

Chickaloon River

Boulder Creek

Eska Creek

GRANITE PEAK

CASTLE MOUNTAIN

JONESVILLE ROAD

MURPHY RD.

BUFFALO MINE ROAD

SOAPSTONE RD.

FISHHOOK-WILLOW ROAD

GLENN HIGHWAY

PERMANENTE ROAD

CHICKALOON RIVER ROAD

Sutton

Chickaloon

Palmer

Matanuska River

R. 1 E. R. 2 E. R. 3 E. R. 4 E. R. 5 E. R. 6 E. R. 7 E.

T. 22 N.
T. 21 N.
T. 20 N.
T. 19 N.
T. 18 N.

MP 6.7
SUNVALLEY DRIVE

MP 52.8
SOAPSTONE ROAD

MP 53.1
BUFFALO MINE ROAD

MP 54.5
MOOSE CREEK STATE RECREATION SITE

MP 56.7
MOOSE RANGE BOUNDARY SIGN

MP 61
SUTTON AND JONESVILLE ROAD

MP 66.7
KINGS RIVER AND CHICKALOON—KNIK—NELCHINA TRAIL ACCESS

MP 71.8
PERMANENTE ROAD

MP 73
IDA LAKE/FISH LAKE ACCESS ROAD

MP76.0
KING MOUNTAIN STATE REC. SITE

MP 76.2
KING MOUNTAIN LODGE

MP 77.5
CHICKALOON RIVER ROAD

MP 80.8
MOOSE RANGE BOUNDARY SIGN

MP85.3
LONG LAKE STATE RECREATION SITE

MP 89.2
PURINTON CREEK TRAIL

0 1 2 3
miles

LEGEND

POTENTIAL CONSTRUCTION MATERIAL

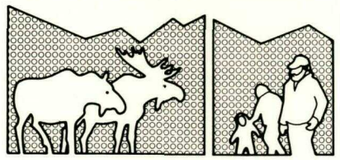
- High
- Moderate to High
- Low

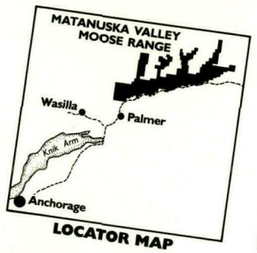
- DOT/PF MATERIAL SITES
- EXPLORATORY BOREHOLES

map compiled by DGGS (5-85)

MAP 12: SNOW AVALANCHE POTENTIAL

MATANUSKA VALLEY MOOSE RANGE MANAGEMENT PLAN





LOCATOR MAP

MOOSE CREEK DRAINAGE

GRANITE CREEK DRAINAGE

KINGS RIVER DRAINAGE

CHICKALOON RIVER DRAINAGE

BOULDER CREEK DRAINAGE

R. 2 E. R. 3 E. R. 4 E. R. 5 E. R. 6 E.

T. 22 N.
T. 21 N.
T. 20 N.
T. 19 N.
T. 18 N.

R. 1 E. R. 2 E. R. 3 E. R. 4 E. R. 5 E. R. 6 E. R. 7 E.

MOOSE RANGE BOUNDARY

Little Susitna River
Moose Creek
Granite Creek
Young Creek
Kings River
Chickaloon River
Boulder Creek
Eska Creek
Matanuska River

GRANITE PEAK △
CASTLE MOUNTAIN △

JONESVILLE ROAD
MURPHY RD.
BUFFALO MINE ROAD
SOAPSTONE RD.
FISHHOOK-WILLOW ROAD
GLENN HIGHWAY
PERMANENTE ROAD
CHICKALOON RIVER ROAD

Sutton
Chickaloon
Palmer

MP 6.7 SUNVALLEY DRIVE
MP 52.8 SOAPSTONE ROAD
MP 53.1 BUFFALO MINE ROAD
MP 54.5 MOOSE CREEK STATE RECREATION SITE
MP 56.7 MOOSE RANGE BOUNDARY SIGN
MP 61 SUTTON AND JONESVILLE ROAD
MP 66.7 KINGS RIVER AND CHICKALOON — KNIK — NELCHINA TRAIL ACCESS
MP 71.8 PERMANENTE ROAD
MP 73 IDA LAKE/FISH LAKE ACCESS ROAD
MP76.0 KING MOUNTAIN STATE REC. SITE
MP 76.2 KING MOUNTAIN LODGE
MP 77.5 CHICKALOON RIVER ROAD
MP 80.8 MOOSE RANGE BOUNDARY SIGN
MP85.3 LONG LAKE STATE RECREATION SITE
MP 89.2 PURINTON CREEK TRAIL

N

0 1 2 3 miles

LAND STATUS

- **Private** (native & non-native) **& Borough Owned Land**
- **Selected Land** (State and/or Native)
- **State Land** (patent or tentative approval)

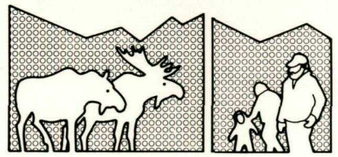
LEGEND

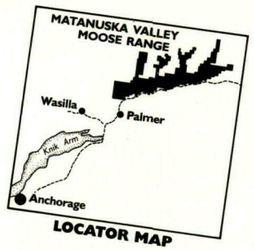
- **HIGH POTENTIAL**
- **POTENTIAL**
- **NO POTENTIAL**

map compiled by DGGS (5-85)

MAP 13: ENGINEERING CONSTRAINTS

MATANUSKA VALLEY
MOOSE RANGE
MANAGEMENT PLAN





LOCATOR MAP

MOOSE CREEK DRAINAGE

GRANITE CREEK DRAINAGE

KINGS RIVER DRAINAGE

CHICKALOON RIVER DRAINAGE

BOULDER CREEK DRAINAGE

MOOSE RANGE BOUNDARY

CASTLE MOUNTAIN FAULT

GRANITE PEAK

CASTLE MOUNTAIN

JONESVILLE ROAD

BUFFALO MINE ROAD

MURPHY RD.

SOAPSTONE RD.

FISHHOOK-WILLOW ROAD

GLENN HIGHWAY

PERMANENTE ROAD

CHICKALOON RIVER ROAD

Chickaloon

Sutton

Palmer

Little Susitna River

Moose Creek

Granite Creek

Esko Creek

Kings River

Chickaloon River

Boulder Creek

Matanuska River

R. 1 E. | R. 2 E.

R. 2 E. | R. 3 E.

R. 3 E. | R. 4 E.

R. 4 E. | R. 5 E.

R. 5 E. | R. 6 E.

R. 6 E. | R. 7 E.

T. 22 N.

T. 21 N.

T. 20 N.

T. 19 N.

T. 18 N.

MP 6.7 SUNVALLEY DRIVE

MP 52.8 SOAPSTONE ROAD

MP 53.1 BUFFALO MINE ROAD

MP 54.5 MOOSE CREEK STATE RECREATION SITE

MP 56.7 MOOSE RANGE BOUNDARY SIGN

MP 61 SUTTON AND JONESVILLE ROAD

MP 66.7 KINGS RIVER AND CHICKALOON — KNIK — NELCHINA TRAIL ACCESS

MP 71.8 PERMANENTE ROAD

MP 73 IDA LAKE/FISH LAKE ACCESS ROAD

MP76.0 KING MOUNTAIN STATE REC. SITE

MP 76.2 KING MOUNTAIN LODGE

MP 77.5 CHICKALOON RIVER ROAD

MP 80.8 MOOSE RANGE BOUNDARY SIGN

MP85.3 LONG LAKE STATE RECREATION SITE

MP 89.2 PURINTON CREEK TRAIL

0 1 2 3 miles

N

LAND STATUS

- **Private** (native & non-native) **& Borough Owned Land**
- **Selected Land** (State and/or Native)
- **State Land** (patent or tentative approval)

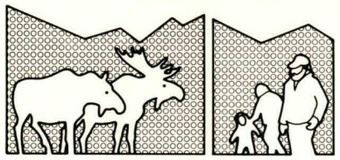
LEGEND

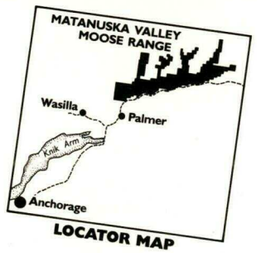
- **UNSTABLE SLOPES**
- **ROCK GLACIERS**
- **UNSUITABLE FOUNDATION SOILS**
- **MINE TAILINGS**
- **FAULT ZONES**

map compiled by DGGS (7-85)

MAP 14: ENGINEERING GEOLOGY

MATANUSKA VALLEY
MOOSE RANGE
MANAGEMENT PLAN





LOCATOR MAP

MOOSE CREEK DRAINAGE

GRANITE CREEK DRAINAGE

KINGS RIVER DRAINAGE

CHICKALOON RIVER DRAINAGE

BOULDER CREEK DRAINAGE

MOOSE RANGE BOUNDARY

GRANITE PEAK

CASTLE MOUNTAIN

JONESVILLE ROAD

MURPHY RD. 1

BUFFALO MINE ROAD

SOAPSTONE RD.

CHICKALOON RIVER ROAD

PERMANENTE ROAD

FISHHOOK-WILLOW ROAD

GLENN HIGHWAY

Little Susitna River

Moose Creek

Granite Creek

Jonesville Creek

Kings River

Chickaloon River

Boulder Creek

Eska Creek

Matanuska River

Palmer

Sutton

Chickaloon

R. 1 E. | R. 2 E.

R. 2 E. | R. 3 E.

R. 3 E. | R. 4 E.

R. 4 E. | R. 5 E.

R. 5 E. | R. 6 E.

R. 6 E. | R. 7 E.

T. 22 N.
T. 21 N.
T. 20 N.
T. 19 N.
T. 18 N.

MP 6.7 SUNVALLEY DRIVE

MP 52.8 SOAPSTONE ROAD

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MP76.0 KING MOUNTAIN STATE REC. SITE

MP 76.2 KING MOUNTAIN LODGE

MP 77.5 CHICKALOON RIVER ROAD

MP 80.8 MOOSE RANGE BOUNDARY SIGN

MP85.3 LONG LAKE STATE RECREATION SITE

MP 89.2 PURINTON CREEK TRAIL

0 1 2 3 miles

LEGEND

- VALLEY-FILL ALLUVIUM
- OUTWASH DEPOSITS
- OLDER TILL
- TALUS
- SWAMP - MUSKEG
- FLOODPLAIN ALLUVIUM
- ICE-CONTACT DEPOSITS
- DRIFT; UNDIFFERENTIATED
- COLLUVIUM
- BEDROCK
- ALLUVIAL FAN DEPOSITS
- YOUNGER TILL
- LANDSLIDE DEPOSITS
- ROCK GLACIER
- MINE TAILINGS

map compiled by DGGS (5-85)