

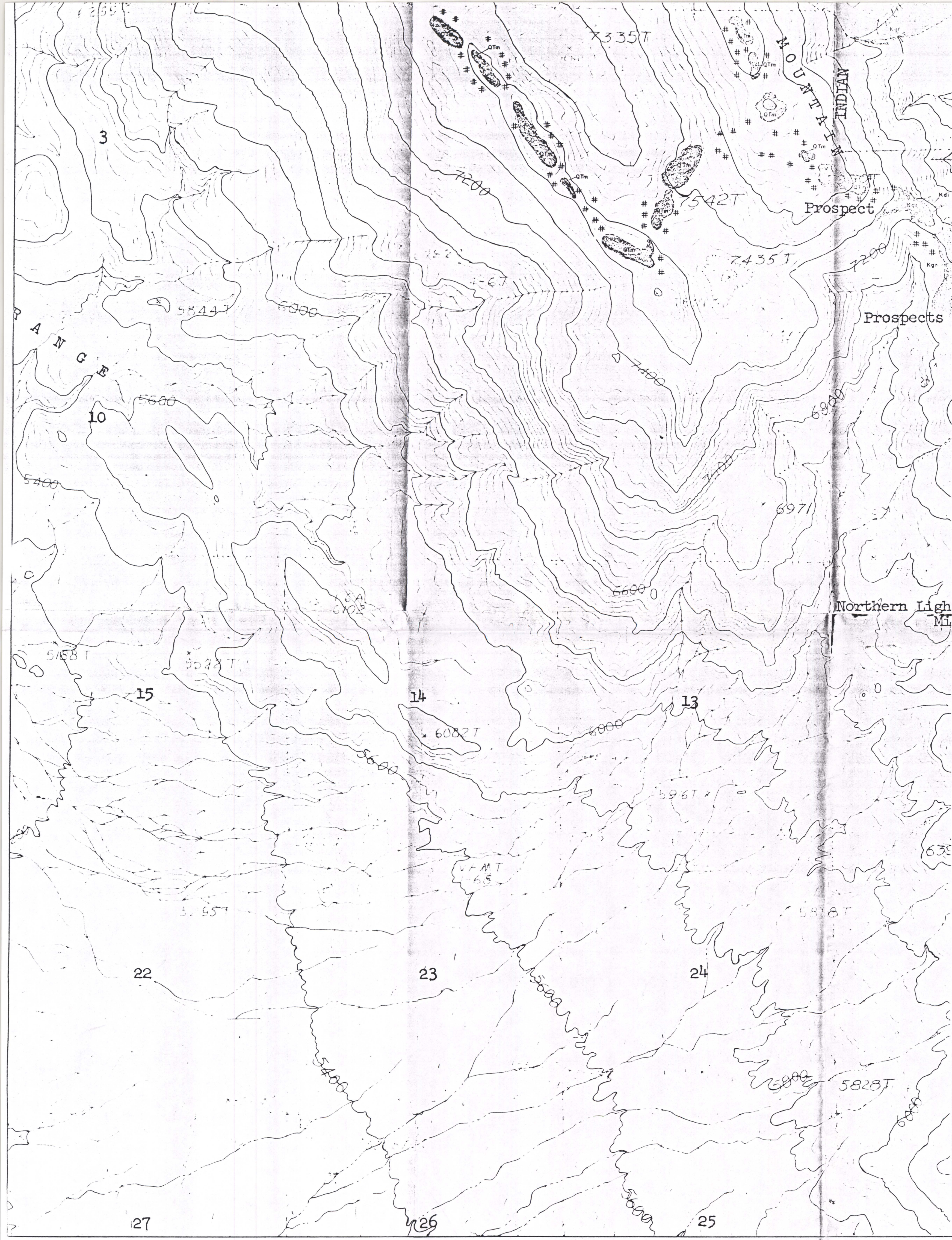
QUATERNARY
TERTIARY
CRETACEOUS
TRIASSIC
EXCELSIOR

- ALLUVIAL DEPOSITS**
(chiefly valley fill, but includes older gravels, slope wash, and Pleistocene lake beds.)
- MAFIC VOLCANIC ROCKS**
(chiefly Quaternary flows that are in part trachybasalt and latite.)
- INTERMEDIATE VOLCANIC ROCKS**
(chiefly rhyodacite to andesite flows, tuffs and breccia. Intermediate sequence commonly overlies felsic sequence but reversal is of this relationship, intercalation of the two rock types, and uncertain relationships exist.)
- FELSIC VOLCANIC ROCKS**
(mostly rhyolite and quartz latite crystal welded tuff.)
- ALASKITE**
(orthoclase, quartz, little or no mafics; Cretaceous or Tertiary age.)
- GRANITIC ROCKS**
(chiefly quartz monzonite, lesser granodiorite; albite granite and related rocks locally—Kgr. in places prophyritic(orthoclase)—Kgr.)
- DIORITE AND RELATED ROCKS**
(probably Cretaceous in age but may also be Triassic or Permian. Locally it includes blocks of excelsior partially or completely assimilated by Kgr.)
- LUNING FORMATION**
(This area chiefly limestone and dolomite—Fl; with some black, arenaceous, carbonaceous shale.)
- Fine-grained, silicified, iron-stained; may be either a separate unit or represent altered portions of excelsior.**
- FELSIC VOLCANICS**
- INTERMEDIATE TO BASIC VOLCANICS**
- INTERMEDIATE TO FELSIC VOLCANICS**
(limestone present locally. At least in part middle Triassic, but may also be in part correlative with Permian volcanic rocks east of the country.)

- JOINT
- SHEAR
- FLOAT
- SHAFT
- TUNNEL
- PROSPECT
- FAULT
- MINERALIZATION

WALKER RIVER INDIAN RESERVATION-SCHURZ NEVADA
RECONNAISSANCE GEOLOGY-WASSUK RANGE

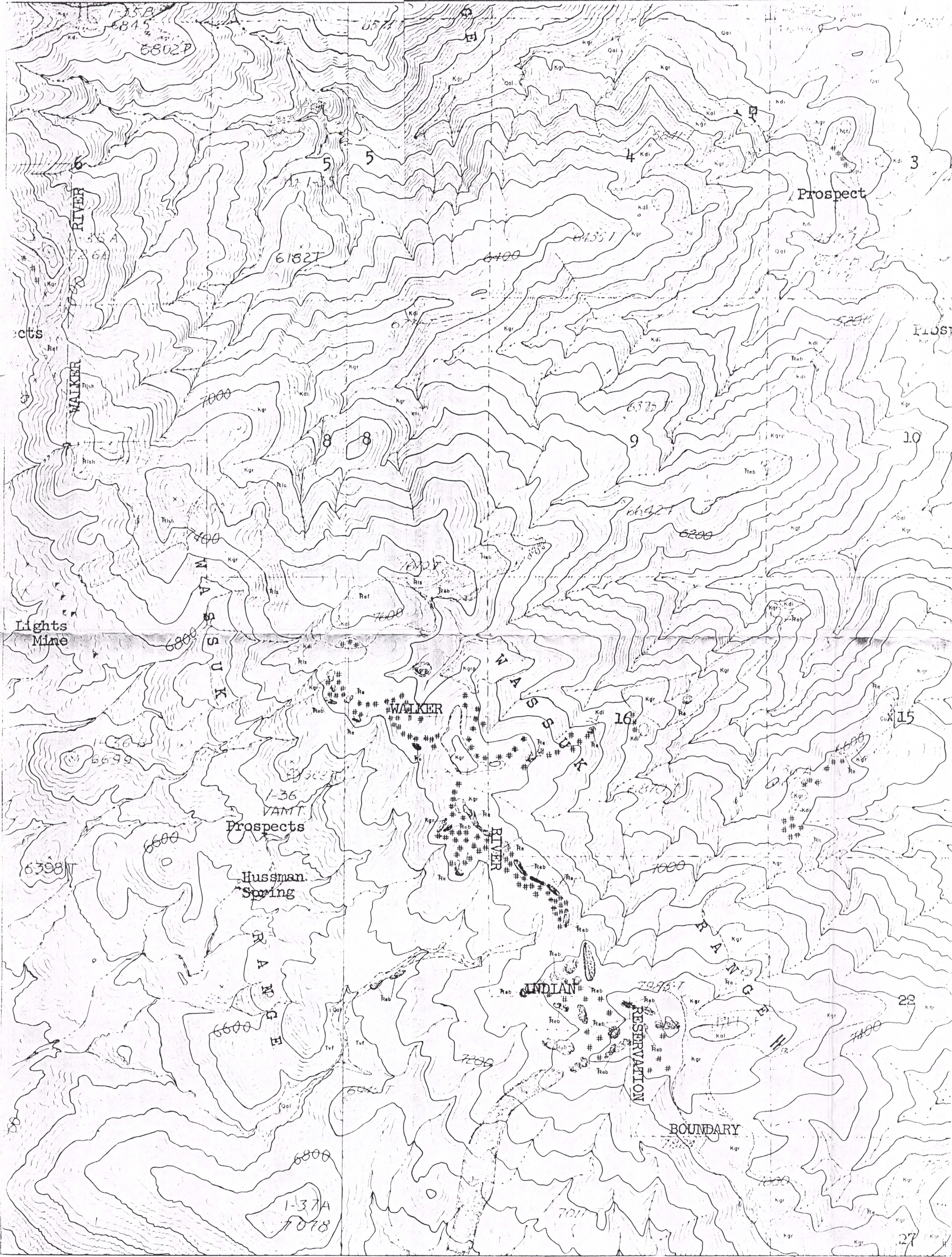
SCALE: 1"=1000'	DRAWN BY: J. MARGOLIS	APPROVED BY:
DATE: FEBRUARY/1967	REVISED:	
GEOLOGY: ROBERT E. HOLT		
FOR: WALKER-MARTEL MINING COMPANY	DRAWING NUMBER: E-5	



- QUATERNARY
- Qal ALLUVIAL DEPOSITS (chiefly valley fill, but includes older gravels, slope wash, and Pleistocene lake beds.)
 - Qtm MAFIC VOLCANIC ROCKS (chiefly Quaternary flows that are in part trachybasalt and latite.)
- INTERMEDIATE VOLCANIC ROCKS (chiefly rhyodacite to andesite flows, tuffs and breccia intermediate sequence commonly overlies felsic sequence but reversal is of this relationship, intercalation of the two rock types, and uncertain relationships exist.)
- TERTIARY
- Tvi FELSIC VOLCANIC ROCKS (mostly rhyolite and quartz latite crystal welded tuff.)
 - Kal ALASKITE (orthoclase, quartz, little or no mafics; Cretaceous or Tertiary age.)
- CRETACEOUS
- Kgr GRANITIC ROCKS (chiefly quartz monzonite, lesser granodiorite, albite granite and related rocks locally—Kgr. In places prophyritic(orthoclase)—Kgrp.)
 - Kdi DIORITE AND RELATED ROCKS (probably Cretaceous in age but may also be Triassic or Permian. Locally it includes blocks of excelsior partially or completely assimilated by Kgr.)
- TRIASSIC
- Reish LUNING FORMATION (This area chiefly limestone and dolomite—Re; with some black, arenaceous, carbonaceous shale.)
 - Rele FINE-GRAINED, SILICIFIED, IRON-STAINED; may be either a separate unit or represent altered portions of excelsior.
 - Ref FELSIC VOLCANICS
 - Reb INTERMEDIATE TO BASIC VOLCANICS
 - Rehel INTERMEDIATE TO FELSIC VOLCANICS (limestone present locally. At least in part middle Triassic, but may also be in part correlative with Permian volcanic rocks east of the country.)

- 50 JOINT
- 45 SHEAR
- # FLOAT
- SHAFT
- TUNNEL
- X PROSPECT
- FAULT
- MINERALIZATION

WALKER RIVER INDIAN RESERVATION-SCHURZ NEVADA RECONNAISSANCE GEOLOGY-WASSUK RANGE		
SCALE 1"=1000'	DRAWN BY J. MARGOLIS	APPROVED BY:
DATE FEBRUARY/1967	REVISED:	
GEOLOGY ROBERT E. HOLT		
FOR WALKER-MARTEL MINING COMPANY		DRAWING NUMBER F-4

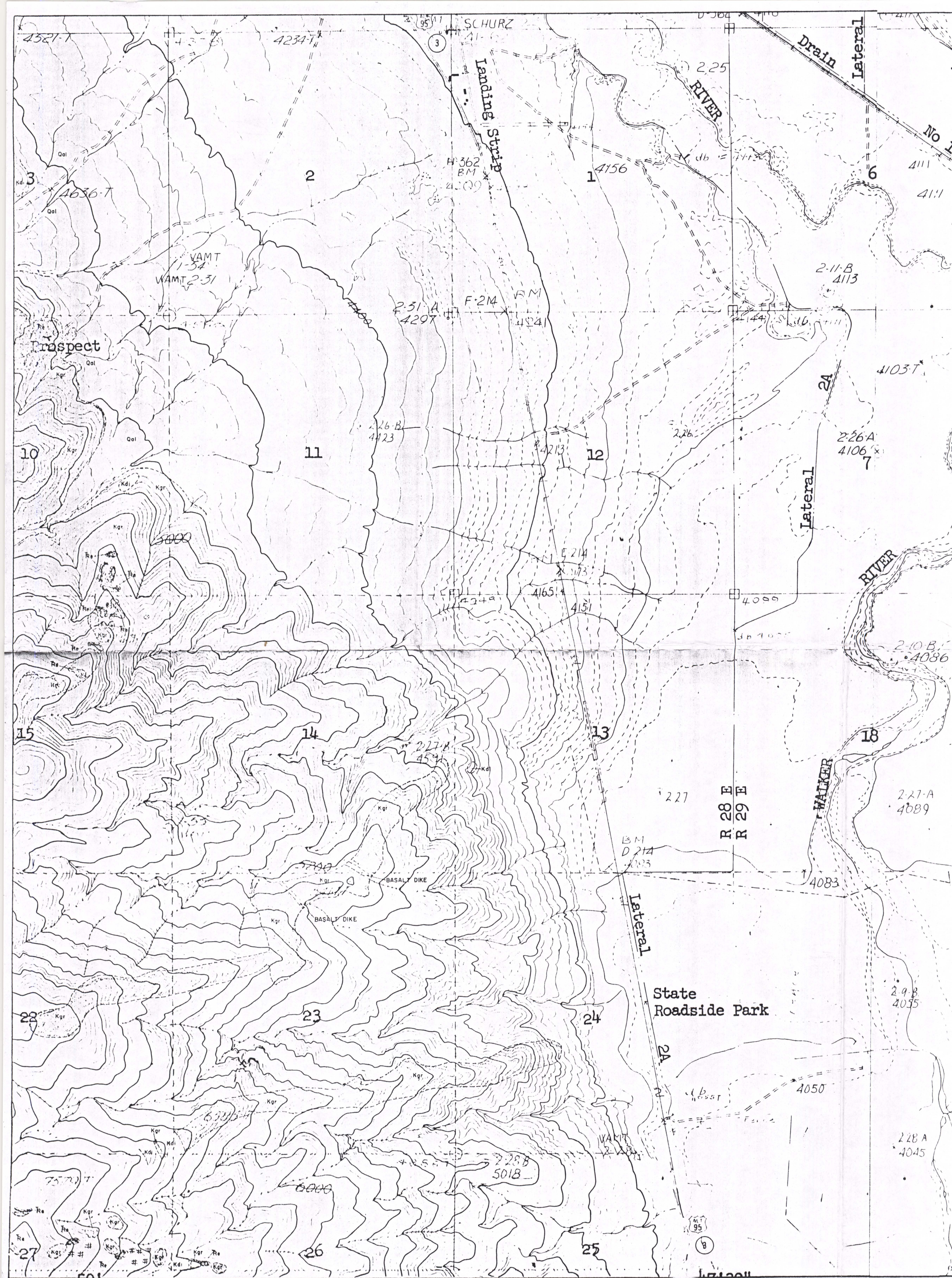


- QUATERNARY**
- ALLUVIAL DEPOSITS**
(chiefly valley fill, but includes older gravels, slope wash, and Pleistocene lake beds.)
- MAFIC VOLCANIC ROCKS**
(chiefly Quaternary flows that are in part trachybasalt and latite.)
- INTERMEDIATE VOLCANIC ROCKS**
(chiefly rhyodacite to andesite flows, tuffs and breccia intermediate sequence commonly overlies felsic sequence but reversal is of this relationship, interrelation of the two rock types, and uncertain relationships exist.)
- FELSIC VOLCANIC ROCKS**
(mostly rhyolite and quartz latite crystal welded tuff.)
- ALASKITE**
(orthoclase, quartz, little or no mafics; Cretaceous or Tertiary age.)
- CRETACEOUS**
- GRANITIC ROCKS**
(chiefly quartz monzonite, lesser granodiorite, albite granite, and related rocks locally—Kgr. in places prophyritic(orthoclase)—Kgrp.)
- DIORITE AND RELATED ROCKS**
(probably Cretaceous in age but may also be Triassic or Permian. Locally it includes blocks of excelsior partially or completely assimilated by Kgr.)
- LUNING FORMATION**
(This area chiefly limestone and dolomite—Ri; with some black, arenaceous, carbonaceous shale.)
- CLASTIC**
- FELSIC VOLCANICS**
- EXCELSIOR**
- INTERMEDIATE TO BASIC VOLCANICS**
- INTERMEDIATE TO FELSIC VOLCANICS**
(limestone present locally. At least in part middle Triassic, but may also be in part correlative with Permian volcanic rocks east of the country.)

- 50** JOINT
- 45** SHEAR
- #** FLOAT
- SHAFT
- Y** TUNNEL
- X** PROSPECT
- FAULT
- MINERALIZATION**

WALKER RIVER INDIAN RESERVATION-SCHURZ NEVADA
RECONNAISSANCE GEOLOGY-WASSUK RANGE

SCALE 1"=1000'	DRAWN BY J. MARGOLIS	APPROVED BY
DATE FEBRUARY 1967	REVISED	
GEOLOGY ROBERT E. HOULT		
FOR WALKER-MARTEL MINING COMPANY	DRAWING NUMBER	F-5



- QUATERNARY**
- Qal** ALLUVIAL DEPOSITS (chiefly valley fill, but includes older gravels, slope wash, and Pleistocene lake beds.)
 - Qtm** MAFIC VOLCANIC ROCKS (chiefly Quaternary flows that are in part trachybasalt and latite.)
- TERTIARY**
- Tvi** INTERMEDIATE VOLCANIC ROCKS (chiefly rhyodacite to andesite flows, tuffs and breccia. Intermediate sequence commonly overlies felsic sequence but reversal is of this relationship, intercalation of the two rock types, and uncertain relationships exist.)
 - Tvf** FELSIC VOLCANIC ROCKS (mostly rhyolite and quartz latite crystal welded tuff.)
 - Kal** ALASKITE (orthoclase, quartz, little or no mafics; Cretaceous or Tertiary age.)
- CRETACEOUS**
- Kgr** GRANITIC ROCKS (chiefly quartz monzonite, lesser granodiorite; albite granite and related rocks locally—Kgr. In places porphyritic(orthoclase)—Kgrp.)
 - Kdi** DIORITE AND RELATED ROCKS (probably Cretaceous in age but may also be Triassic or Permian. Locally it includes blocks of excelsior partially or completely assimilated by Kgr.)
 - Rl** LUNING FORMATION (This area chiefly limestone and dolomite—Rl; with some black, arenaceous, carbonaceous shale.)
 - Re** Fine-grained, silicified, iron-stained; may be either a separate unit or represent altered portions of excelsior.
- TRIASSIC**
- Ref** FELSIC VOLCANICS
 - Reb** INTERMEDIATE TO BASIC VOLCANICS
 - Exc** INTERMEDIATE TO FELSIC VOLCANICS (limestone present locally. At least in part middle Triassic, but may also be in part correlative with Permian volcanic rocks east of the country.)

- JOINT**
- SHEAR**
- FLOAT**
- SHAFT**
- TUNNEL**
- PROSPECT**
- FAULT**
- MINERALIZATION**

WALKER RIVER INDIAN RESERVATION-SCHURZ NEVADA
RECONNAISSANCE GEOLOGY-WASSUK RANGE

SCALE: 1"=1000'	DRAWN BY J. MARGOLIS	APPROVED BY:
DATE FEBRUARY/1967	REVISED	
GEOLOGY: ROBERT E. HOLT		
FOR: WALKER-MARTEL MINING COMPANY	DRAWING NUMBER	F-6

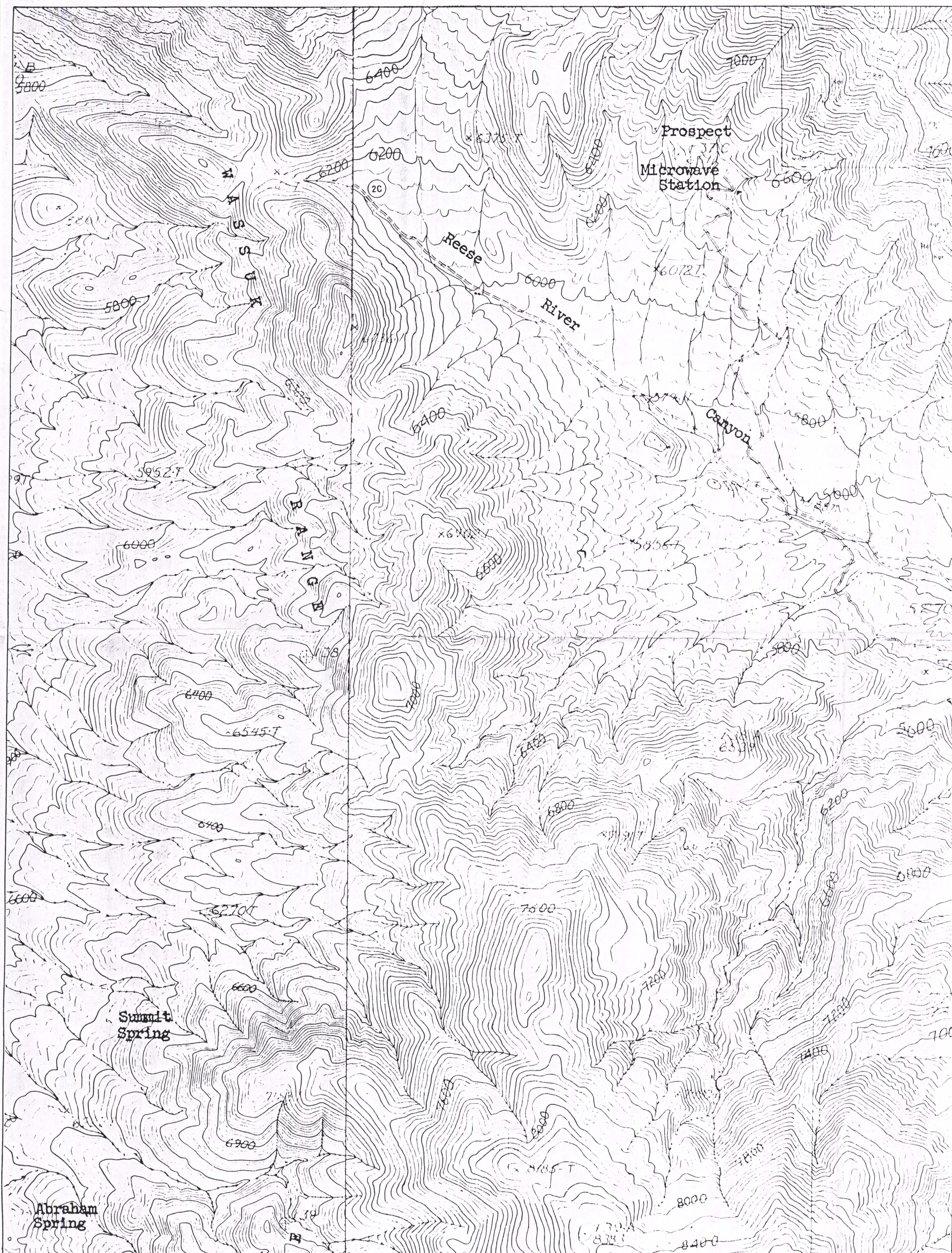
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- QUATERNARY
- Qal ALLUVIAL DEPOSITS (chiefly valley fill, but includes older gravels, slope wash, and Pleistocene lake beds.)
 - Qtm MAIFIC VOLCANIC ROCKS (chiefly Quaternary flows that are in part trachybasalt and latite.)
- TERTIARY
- Tvi INTERMEDIATE VOLCANIC ROCKS (chiefly rhyodacite to andesite flows, tuffs and breccia intermediate sequence commonly overlies felsic sequence but reversal is of this relationship, intercalation of the two rock types, and uncertain relationships exist.)
 - Tvf FELSIC VOLCANIC ROCKS (mostly rhyolite and quartz latite crystal welded tuff.)
 - Kal ALASKITE (orthoclase, quartz, little or no mafics; Cretaceous or Tertiary age.)
- CRETACEOUS
- Kgr GRANITIC ROCKS (chiefly quartz monzonite, lesser granodiorite, albite granite and related rocks locally—Kgr. in places prophyritic(orthoclase)—Kgrp.)
 - Kdi DIORITE AND RELATED ROCKS (probably Cretaceous in age but may also be Triassic or Permian. Locally it includes blocks of excelsior partially or completely assimilated by Kgr.)
 - Rksh LUNING FORMATION (This area chiefly limestone and dolomite—Rk; with some black, arenaceous, carbonaceous shale.)
 - Rete Fine-grained, silicified, iron-stained, may be either a separate unit or represent altered portions of excelsior.
- TRIASSIC
- Fel FELSIC VOLCANICS
 - Fob INTERMEDIATE TO BASIC VOLCANICS
 - Fob INTERMEDIATE TO FELSIC VOLCANICS (limestone present locally. At least in part middle Triassic, but may also be in part correlative with Permian volcanic rocks east of the country.)

- JOINT
- SHEAR
- FLOAT
- SHAFT
- TUNNEL
- PROSPECT
- FAULT
- MINERALIZATION

WALKER RIVER INDIAN RESERVATION-SCHURZ NEVADA		
RECONNAISSANCE GEOLOGY-WASSUK RANGE		
SCALE 1" = 1000'	DRAWN BY J MARGOLIS	APPROVED BY
DATE FEBRUARY/1967	REVISED	
GEOLOGY ROBERT E. HOLT		
FOR WALKER-MARTEL MINING COMPANY		DRAWING NUMBER G-6



- QUATERNARY**
- Qal** ALLUVIAL DEPOSITS
(chiefly valley fill, but includes older gravels, slope wash, and Pleistocene lake beds.)
- Qtm** MAFIC VOLCANIC ROCKS
(chiefly Quaternary flows that are in part trachybasalt and latite.)
- Tert** INTERMEDIATE VOLCANIC ROCKS
(chiefly rhyodacite to andesite flows, tuffs and breccia intermediate sequence commonly overlies felsic sequence but reversal is of this relationship, intercalation of the two rock types, and uncertain relationships exist.)
- Tvt** FELSIC VOLCANIC ROCKS
(mostly rhyolite and quartz latite crystal welded tuff.)
- Kal** ALASKITE
(orthoclase, quartz, little or no mafics, Cretaceous or Tertiary age.)
- Kgr, Kgrd** GRANITIC ROCKS
(chiefly quartz monzonite, lesser granodiorite, a bit granite and related rocks locally - Kgr. in places prophyritic(orthoclase) - Kgrd.)
- Kd** DIORITE AND RELATED ROCKS
(probably Cretaceous in age but may also be Triassic or Permian. Locally it includes blocks of excoisior partially or completely assimilated by Kgr.)
- Rl, Rls** LUNING FORMATION
(This area chiefly limestone and dolomite - Rl; with some black, arenaceous, carbonaceous shale.)
- Re** Fine-grained, silicified, iron-stained, may be either a separate unit or represent altered portions of excoisior.
- TR-255IC**
- Re** FELSIC VOLCANICS
- Reb** INTERMEDIATE TO BASIC VOLCANICS
- Reb** INTERMEDIATE TO FELSIC VOLCANICS
(limestone present locally. At least in part middle Triassic, but may also be in part correlative with Permian volcanic rocks east of the country.)

- 50** JOINT
- 45** SHEAR
- #** FLOAT
- SHAFT
- Y** TUNNEL
- X** PROSPECT
- 1** FAULT
- MINERALIZATION

WALKER RIVER INDIAN RESERVATION-SCHURZ NEVADA
RECONNAISSANCE GEOLOGY-WASSUK RANGE

SCALE 1" = 1000'	DRAWN BY J. MARGOLIS	CHECKED BY
DATE FEBRUARY, 1967	REVISED	
GEOLOGY ROBERT E. HOLI		
FOR WALKER - MARTEL MINING COMPANY	DRAWING NUMBER	G-5