

LAVA IRRIGATION COMPANY

P.O. Box 182 . Lava Hot Springs, Idaho 83246

Idaho Department of Water Resources
ATT: Harold Jones
900 N. Skyline Suite #A
Idaho Falls, ID 83402

February 26, 1999

RECEIVED

MAR 01 1999

Department of Water Resources
Eastern Region

Dear Mr. Jones,

I have enclosed the information, which you requested, on our Canal Headgate upgrade project. I hope that this will answer your questions. If you need farther information, you can contact me at (208) 776-5365 or Wayne Avery at (208) 776-5628.

Sincerely,

Kirk Irick

Kirk Irick
President of the Board

Lava Irrig PD

Old PD:

Longitude N 42° 39^{min} 10^{sec}

Lat W 112° 0^{min} 28^{sec}

New PD:

Longitude N 42° 39^{min} 10^{sec}

Lat W 112° 0^{min} 35^{sec}

JOINT APPLICATION FOR PERMIT
U.S. ARMY CORPS OF ENGINEERS
IDAHO DEPARTMENT OF WATER RESOURCES
IDAHO DEPARTMENT OF LANDS

SEPARATE PERMIT DECISIONS MUST BE RECEIVED FROM BOTH THE STATE OF IDAHO AND THE CORPS OF ENGINEERS PRIOR TO START OF WORK

The Department of the Army permit program is authorized by Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act. These laws require permits authorizing structures and work in or affecting navigable waters of the United States and the discharge of dredged or fill material into waters of the United States, including their adjacent wetlands. State permits are required under the State of Idaho, Stream Channel Protection Act (Title 42, Chapter 38, Idaho Code) and the Idaho Lake Protection Act, Section 58-142 et. seq. Idaho Code. This application will meet the requirements of the above agencies.

1. Corps of Engineers # _____ Date Received _____	2. State of Idaho # _____ Date Received _____ \$20 Rec'd By: _____ Receipt # _____
--	--

PLEASE TYPE OR PRINT

3. Applicant <u>Lava Irrigation Company</u> Mailing Address <u>Lava Hot Springs, Idaho 83246</u> Work Phone (Area) _____ Home (208) <u>776-5298</u> Fax Number _____	4. Authorized Agent <u>Lava Irrigation Company / Kirk Erick</u> Mailing Address <u>10054 E Old Oregon Trail</u> <u>Lava Hot Springs, Id. 83250</u> Work Phone (Area) _____ Home (208) <u>776-5298</u>
---	--

5. Location where proposed activity exists or will occur. Waterway <u>Portneuf River</u> <u>near LAVA Hot Springs</u> <u>Bannock</u> <u>Id.</u> In/near city or town County State Zip Code <u>83246</u> Local jurisdiction (city or county) <u>Lava Hot Springs</u>	Tributary of: <u>Snake River</u> Assessor's Desc. (Tax No. or Subdivision, Lot & Block No.) _____ *(See instruction: _____) SW 1/4 1/4 9 T9S R38E UTM Coordinate Grid Zone _____ Northing _____ Easting _____
---	---

6. Describe the proposed activity. Provide a general description of the proposed work including all discharges of fill material and any structures such as piers, boat lifts, bulkheads, and cofferdams.

The current point of diversion for irrigation water has collapsed. The concrete footings have crumbled, & the earthen bank collapsed, making irrigation water impossible to receive. It is proposed to construct a new point of diversion approx. 300 feet upstream. Fill material will be brought in to secure bank at old delivery point.

Describe construction methods and equipment:
Poor concrete footings for headgate. - Backhoe & dozer for excavation & ground preparation. to be used at old site & new site.

List all soil series located at project site, and indicate if any are on the county's hydric soils list:
Bear Lake - Bear Lake Variant (U3) 0-1% slope, (64) Juvon silt loam - 0-3% - Bulbair

Length of project along the stream or extension into lake or reservoir: old site - 50 feet, new site 50 feet.

Will material be placed waterward of ordinary high water mark? No If yes, volume: _____ (cubic yards)
 (BOTH TEMPORARY AND PERMANENT)

Will material be placed in wetlands? No If yes, total area: _____ (acres)

Type and composition of fill material: silt, clay, cobble (i.e. sand, etc.) Material Source: Hill/mtn side only

Will excavation or dredging be required? yes If yes, volume: 300 (cubic yards) Composition silt, clay & cobble

Disposal site for excavated material: _____ Method of excavation: _____

Stream gradient: 2.5%

Method of controlling turbidity and/or sedimentation: _____

7. Size and flow capacity of proposed bridge or culvert and area of drainage served (sq. miles): (Idaho Department of Water Resources requirement)

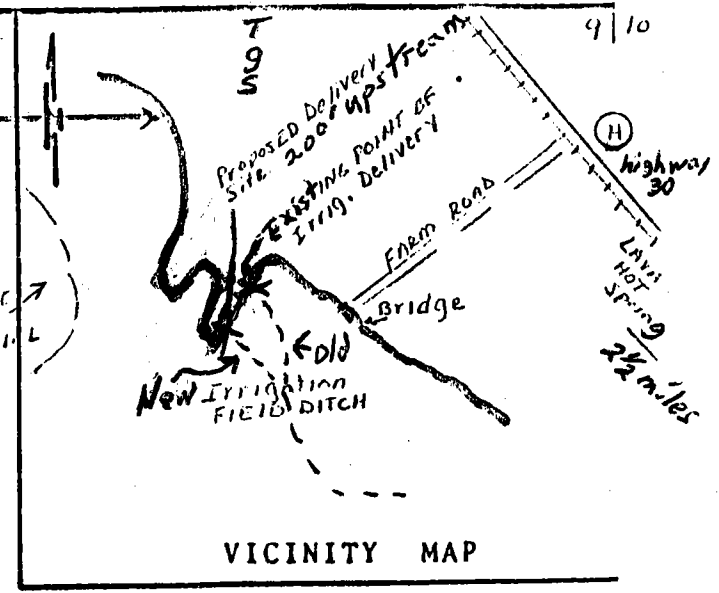
Headgate will deliver 21 cfs

Custerfield

9/10

Please refer to the USGS topog map for the actual location & shape of the divisions on the Fortneuf River.

INSIDE POSSIBLE FILL MATERIAL

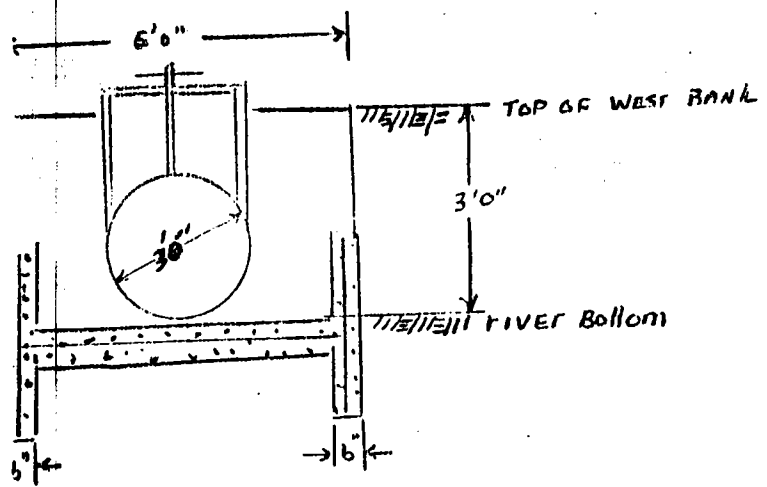


From

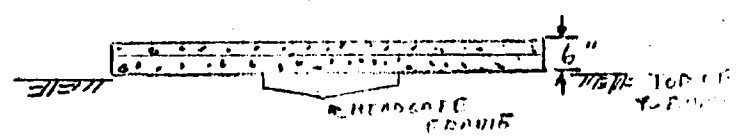
NEW POINT OF DIVERSION including concrete footings, head wall, headgate & 200 FEET OF Delivery Ditch

EXISTING Point of Delivery & approximately 125' of Irrigation ditch to be removed & filled in.

Concrete Footing, HEAD WALL & HEADGATE TO BE Removed
Fill material to be hauled in to secure the Fortneuf River West Bank.
Fill material approximately 220 cu. yds.

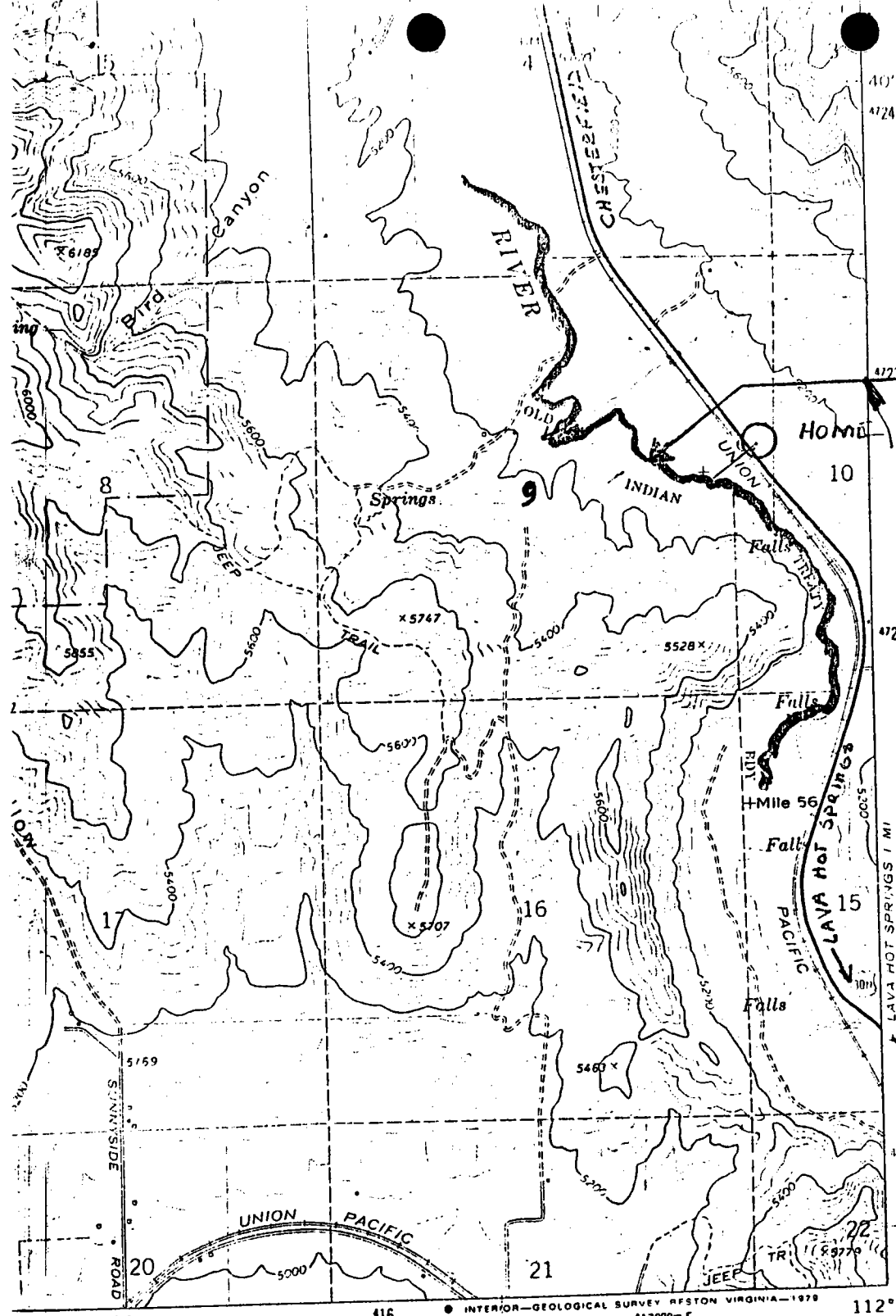


TOP VIEW



IN
IN/NEAR Lava Hot Springs
COUNTY, Bonanza
DATE: 1/23/98 SHEET 1 OF
APPLICATION BY:

FROM
HEAD WALL & HEADGATE



PROPOSED NEW POINT OF
Irrigation delivery
is 200 ft. upstream
from current point of delivery

CURRENT POINT OF
Irrigation delivery

This looks like a
location near
R38E
T
9
S

ROAD CLASSIFICATION

- | | |
|------------------------------------|--|
| Primary highway,
hard surface | Light duty road, hard or
improved surface |
| Secondary highway,
hard surface | Unimproved road |
| ○ Interstate Route | ○ U. S. Route |
| | ○ State Route |



QUADRANGLE LOCATION

HAYSTACK MTN., IDAHO
N4237.5—W11200/7.5

1968
PHOTOINSPECTED 1976
DMA 3569 II NE—SERIES V893

(BANKSHEET 1:62,500)
3569 II

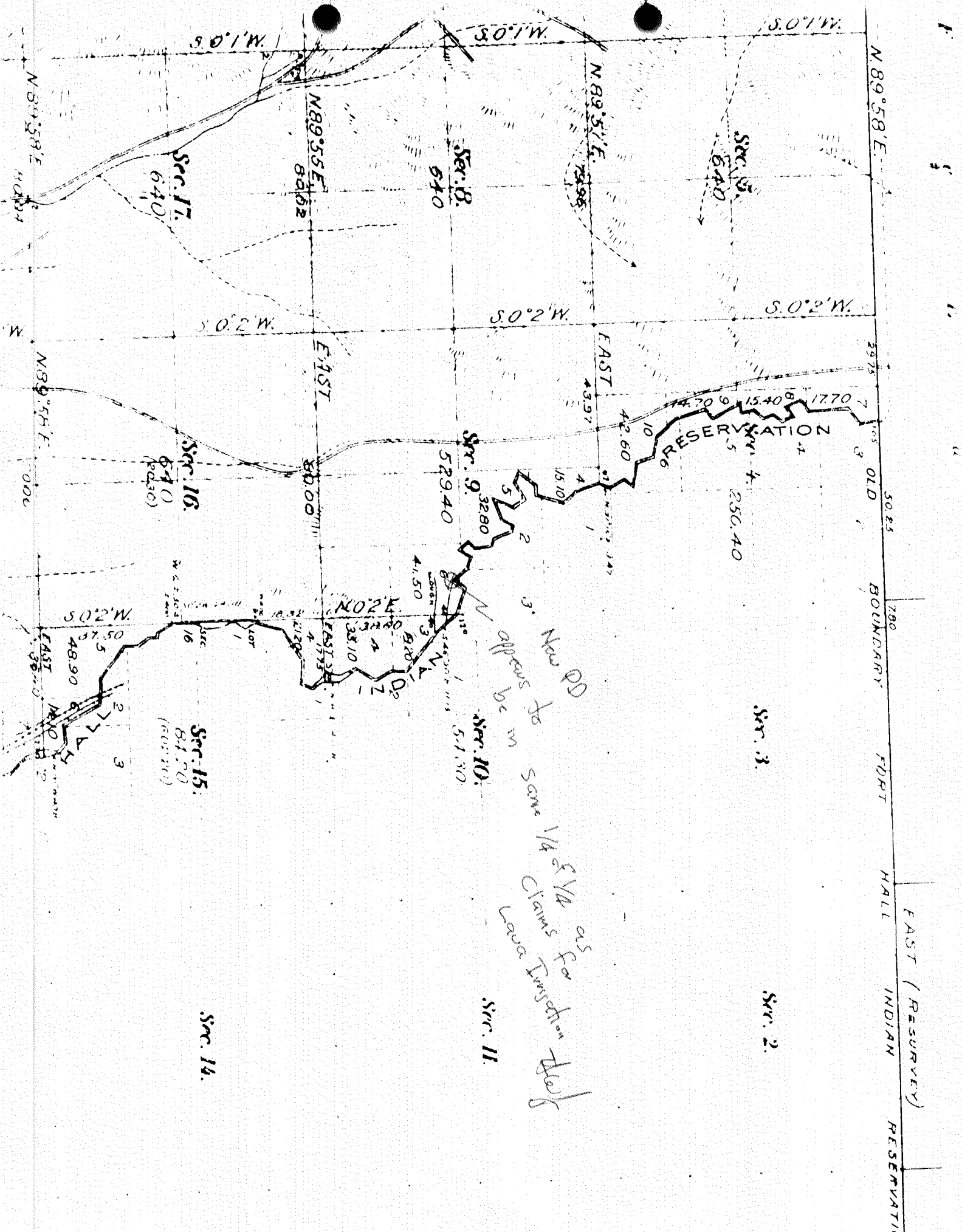
Map obtained post 1976
No major culture or drainage changes observed



R38E
T 3
SEE
L13A

T53

Jack Peterson
CUT 150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200



N 89° 58' E. 28.75 50.25 780 BOUNDARY FORT HALL INDIAN RESERVATION

S. 0° 2' W.

Sec. 17.
640

N 89° 58' E.
75.98

S. 0° 1' W.

Sec. 16.
640

N 89° 55' E.
88.02

S. 0° 1' W.

Sec. 15.
640

S. 0° 2' W.

EAST

Sec. 14.
640 (6430)

EAST

RESERVATION

1770
1540
1470
256.40
42.60
15.10
529.40
3280
4.50
38.10
34.40
32.10
21.20
41.50
51.30
48.90
67.50
77.75

New PD
appears to be same 1/4 of 1/4 as
Claims for
Lava Injection Ref

Sec. 10.

Sec. 11.

Sec. 8.

Sec. 2.

Sec. 14.

Sec. 15.
64.70 (6430)

N 89° 58' E.
40.04

W.