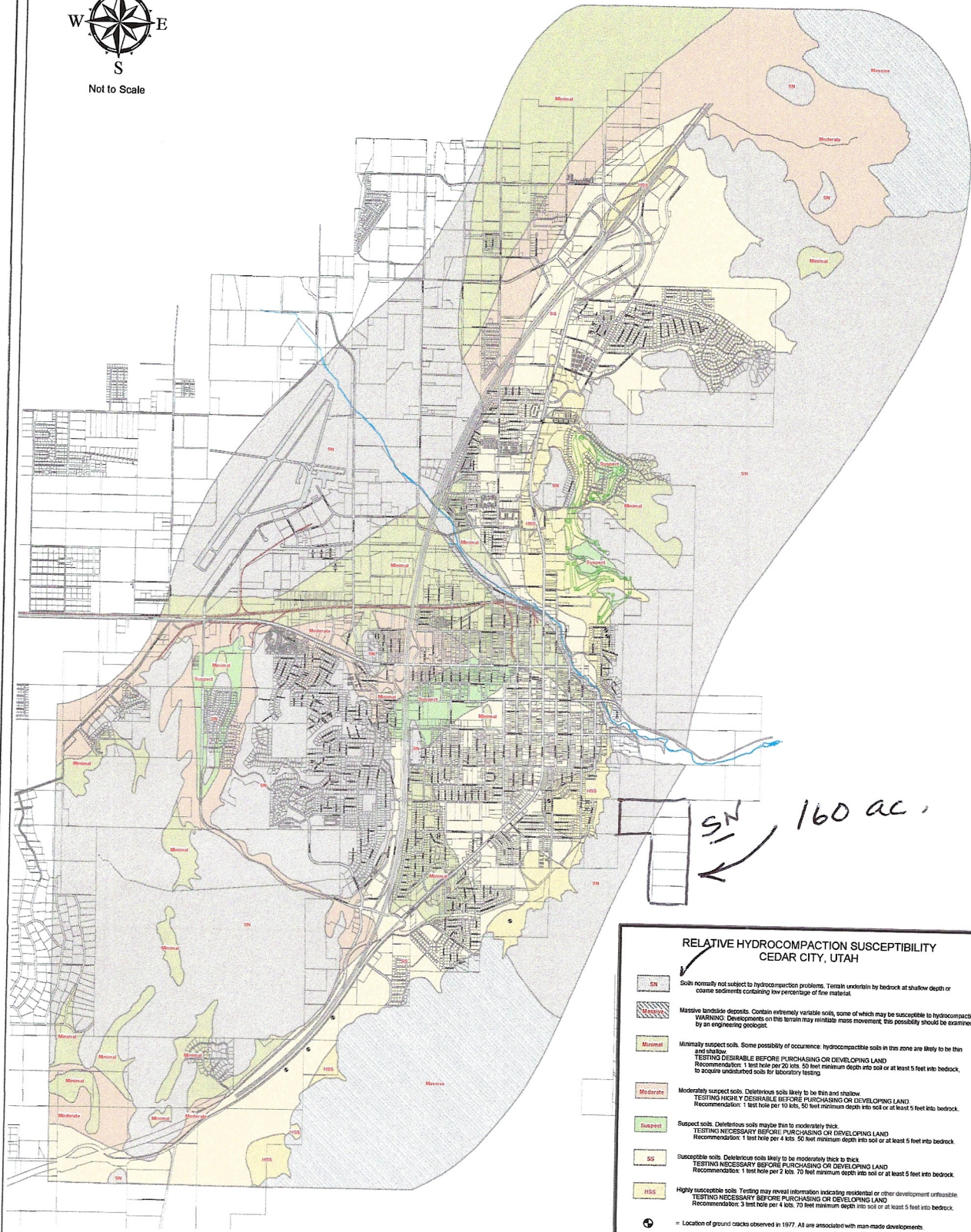




Looking East from Cedar City



**RELATIVE HYDROCOMPACTION SUSCEPTIBILITY
CEDAR CITY, UTAH**

	Soils normally not subject to hydrocompaction problems. Terrain underlain by bedrock at shallow depth or coarse sediments containing low percentage of fine material.
	Massive landslide deposits. Contain extremely variable soils, some of which may be susceptible to hydrocompaction. WARNING: Developments on this terrain may initiate mass movement; this possibility should be examined by an engineering geologist.
	Minimally suspect soils. Some possibility of occurrence; hydrocompaction soils in this zone are likely to be thin and shallow. TESTING DESIRABLE BEFORE PURCHASING OR DEVELOPING LAND Recommendation: 1 test hole per 20 lots, 50 feet minimum depth into soil or at least 5 feet into bedrock, to acquire undisturbed soils for laboratory testing.
	Moderately suspect soils. Deteriorous soils likely to be thin and shallow. TESTING HIGHLY DESIRABLE BEFORE PURCHASING OR DEVELOPING LAND Recommendation: 1 test hole per 10 lots, 50 feet minimum depth into soil or at least 5 feet into bedrock.
	Suspect soils. Deteriorous soils maybe thin to moderately thick. TESTING NECESSARY BEFORE PURCHASING OR DEVELOPING LAND Recommendation: 1 test hole per 4 lots, 50 feet minimum depth into soil or at least 5 feet into bedrock.
	Susceptible soils. Deteriorous soils likely to be moderately thick to thick. TESTING NECESSARY BEFORE PURCHASING OR DEVELOPING LAND Recommendation: 1 test hole per 2 lots, 70 feet minimum depth into soil or at least 5 feet into bedrock.
	Highly susceptible soils. Testing may reveal information indicating residential or other development unfeasible. TESTING NECESSARY BEFORE PURCHASING OR DEVELOPING LAND Recommendation: 3 test holes per 4 lots, 70 feet minimum depth into soil or at least 5 feet into bedrock.

= Location of ground cracks observed in 1977. All are associated with man-made developments.

CEDAR CITY, UTAH

Relative Hydrocompaction Susceptibility

Relative degree of susceptibility to hydrocompaction is depicted on this map (see legend). Geomorphologic analysis. With aerial photographs at a scale of 1:20,000 as the primary tool, was principally employed in the preparation of this map. Only limited field checking has been done; no drilling, sampling or testing undertaken other than that shown in RI No. 124.

This map has been constructed utilizing all information available through March 1978, and is subject to revision as additional data from future drilling becomes available.

Purpose of this map is to inform all interested government agencies, private enterprises, and individuals planning to construct new buildings or to purchase existing buildings of a potential natural hazard from unstable ground, termed "hydrocompaction". This geologic phenomenon may be aggravated by activities of man.

Appropriations No. 01-61-03
Archives Approval 7800157

Disclaimer
Cedar City Corporation assumes no liability for the accuracy of this map. Intent is for viewing purposes only.

Map Printed
Date: January, 2011



Map prepared for City of Cedar City by State of Utah, Geological & Mineral Survey.
Since this is a natural hazard, no liability is implied or assumed by the State of Utah, Four Corners Regional Commission, the City of Cedar City, nor the county of Iron County.

CEDAR CITY CORP.
10 North Main
Cedar City, Utah 84720

WRNUM: 73-320

APPLICATION/CLAIM NO.:

CERT. NO.:

OWNERSHIP*****

NAME: Murie, Bret R. OWNER MISC:
ADDR: 190 Casa Loma Lane
CITY: Cedar City STATE: UT ZIP: 84720 INTEREST: 100%

160AC
18AF

LAND OWNED BY APPLICANT?

DATES, ETC.*****

FILING: / / RECVD BY: [] PRIORITY: 00/00/1856 ADV DESIG: / / BY: [] PAPER:
PUB BEGAN: / / PUB ENDED: / / PROTST END: / / PROTESTED: [] PROOF/PUB: / / BY: []
A/R DESIG: [] A/R DESIG: / / REGION ENG: [] APPROP: [] MEMO DEC: [] APPR/REJECT: []
APPR/REJ: / / PROOF DUE: / / EXTENSION: / / ELEC/PROOF: [] ELEC/PROOF: / / PROOF DRAFT: / /
CERT/WUC: / / LAP, ETC: / / PROV LETR: / / RENOVATE: / /

PD Book No. 2 Type of Right: DIL Status: Source of Info: PDET Map: 29c Date Verified: 01/13/1993 Initials: SM

LOCATION OF WATER RIGHT*****

FLOW: 0.002 cfs SOURCE: Lone Tree Heights' Spring

COUNTY: Iron COMMON DESCRIPTION:

POINT OF DIVERSION -- SURFACE:
(1) N 580 ft W 150 ft from S4 cor, Sec 13, T 36S, R 11W, SLBM
Diverting Works: Source:

USES OF WATER RIGHT*****

Group No. 1
CLAIMS USED FOR PURPOSE DESCRIBED: 319,320
Referenced To: Claims Groups: Type of Reference -- Claims: Purpose: Remarks:
###IRRIGATION *--NORTH WEST QUARTER--*--NORTH EAST QUARTER--*--SOUTH WEST QUARTER--*--SOUTH EAST QUARTER--* Section
Tot Irr. Acrg.: 4.80* NW NE SW SE * NW NE SW SE * NW NE SW SE * Totals
Sec 13 T 36S R 11W SLEB * : : : * : : : : 4.80* : : : * 4.80
or a Total of 4.80 acres. Sole Supply: acres Diversion Limit: 7.16 acft. PERIOD OF USE: 05/01 TO 10/01

WUC 319 and 320 are limited to the irrigation requirements of 1.79 acres.

Group No. 2
CLAIMS USED FOR PURPOSE DESCRIBED: 320
Referenced To: Claims Groups: Type of Reference -- Claims: Purpose: Remarks:
###STOCKWATERING: 1 Cattle or Equivalent Diversion Limit: 0.02 acft. PERIOD OF USE: 01/01 TO 12/31
###DOMESTIC: 1 Family Diversion Limit: acft. PERIOD OF USE: 01/01 TO 12/31

***** E N D O F D A T A *****

WRNUM: 73-319

APPLICATION/CLAIM NO.:

CERT. NO.:

OWNERSHIP*****

NAME: Murie, Bret R. OWNER MISC:
ADDR: 190 Casa Loma Lane
CITY: Cedar City STATE: UT ZIP: 84720 INTEREST: 100%

LAND OWNED BY APPLICANT?

DATES, ETC.*****

FILING: / / RECVD BY: [] PRIORITY: 00/00/1919 ADV DESIG: / / BY: [] PAPER:
PUB BEGAN: / / PUB ENDED: / / PROTST END: / / PROTESTED: [] PROOF/PUB: / / BY: []
A/R DESIG: [] A/R DESIG: / / REGION ENG: [] APPROP: [] MEMO DEC: [] APPR/REJECT: []
APPR/REJ: / / PROOF DUE: / / EXTENSION: / / ELEC/PROOF: [] ELEC/PROOF: / / PROOF DRAFT: / /
CERT/WUC: / / LAP, ETC: / / PROV LETR: / / RENOVATE: / /

PD Book No. 2 Type of Right: DIL Status: Source of Info: PDET Map: 29c Date Verified: 01/13/1993 Initials: SM

LOCATION OF WATER RIGHT*****

FLOW: SOURCE: Underground Water Well

COUNTY: Iron COMMON DESCRIPTION:

POINT OF DIVERSION -- UNDERGROUND:
(1) N 920 ft W 755 ft from S4 cor, Sec 13, T 36S, R 11W, SLBM DIAM: ins. DEPTH: to ft. YEAR DRILLED: WELL LOG?
Comment:

USES OF WATER RIGHT*****

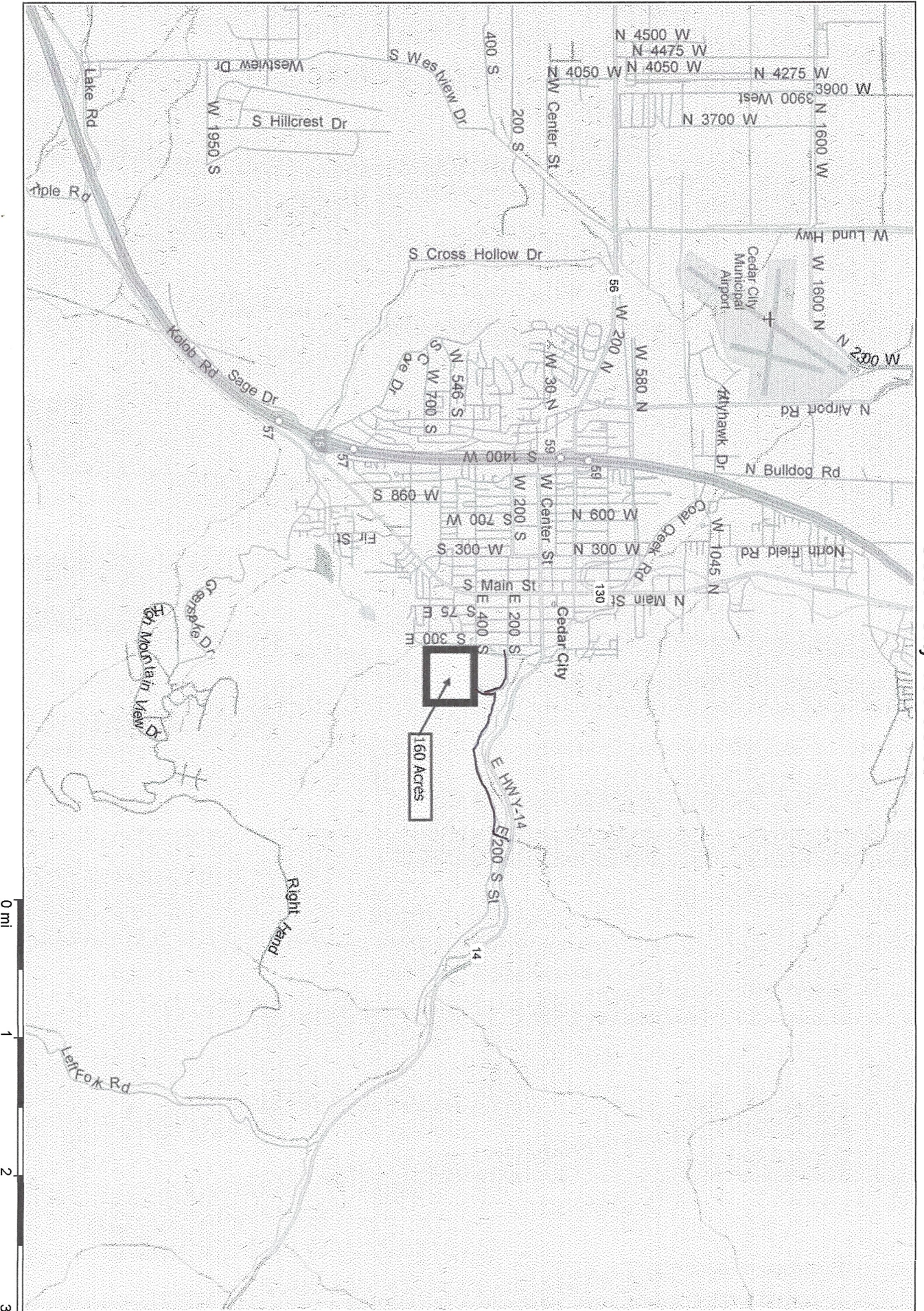
Table with columns: Referred To, Claims Groups, Type of Reference, Claims, Purpose, Remarks, Section Totals. Includes irrigation data for Sec 13 T 36S R 11W SLBM.

WUC 319 and 320 are limited to the irrigation requirements of 1.79 acres.

***** END OF DATA *****

Handwritten notes: date 1956, Priority 1956, 7.16 ac, Spring rights underground

Cedar City 160 acres



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160 Acres

E. 400's

690 South Street

300 East Street

75 East Street

CEDAR CITY, UTAH