

Revised and
updated guide
expected
October 2006

YEAH, BOB, I'VE
HEARD TALK OF "WEAK
SOIL" AROUND HERE, BUT
I DON'T BELIEVE IT.
WHAT DO YOU THINK
BOB?



soils

Planning Commissioners should become acquainted with published soil surveys within their jurisdiction...

General Plan

... The map could be generated using WEB Soil Survey, if data is published by the NRCS...

...The USDA Soil Survey should be utilized to evaluate soil properties. Potential limitations should be further evaluated by onsite investigations.

Subdivision Ordinance

... Often the community has had specific problems with slip-page, wet basements, foundation damage or other soil related issues and, as a result, ordinances attempt to mitigate those potential problems....

... The soil investigation shall recommend corrective action intended to prevent damage.

Checklist:

Response to the following questions will give commissioners a better sense of the property that they are being asked to deal with...

Resources:

For soil survey information or assistance:

Web Soil Survey at

<http://websoilsurvey.nrcs.usda.gov/app/>

*USDA Natural Resources Conservation Service (NRCS)
at the USDA Service Center near you or the NRCS State
Soil Scientist 125 South State, Salt Lake City, UT
84147 (801) 524-4550*

*Or the local soil conservation district or local county
extension agent.*

Town of Elwood

Field Drain Study

N. Utah Soil Conservation District





Town Office

Agriculture Field Drains

Disrupted, damaged, discontinued



LOOK ON THE BRIGHT SIDE,
YOU ALWAYS
SAID THAT YOU'D
LOVE TO HAVE
A POOL...

YAHOO!

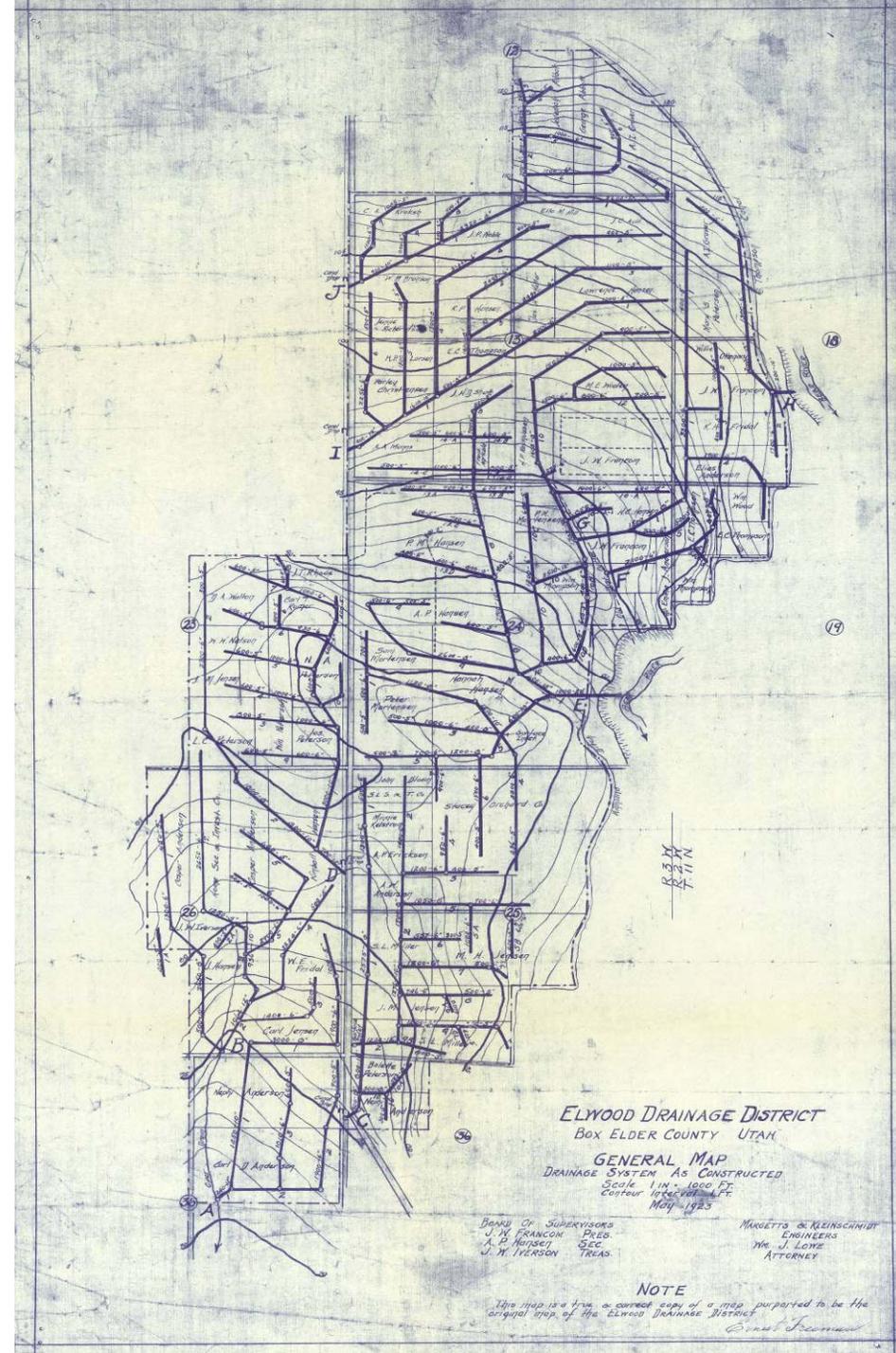
Increased

- Flooding
- Septic system failure
- Mosquitoes



1923 Map of Elwood Drainage District

Sumner Margett's Co.



2006 ARCVIEW Map - Elwood Drainage District

*N. Utah Soil Conservation
District*





A graphic for 'Web Soil Survey' showing a woman sitting on a rock writing in a notebook, and two men working at a computer workstation. Several inset windows display various soil maps and data. The text 'Web Soil Survey' is written in large blue letters at the bottom.

Web Soil Survey

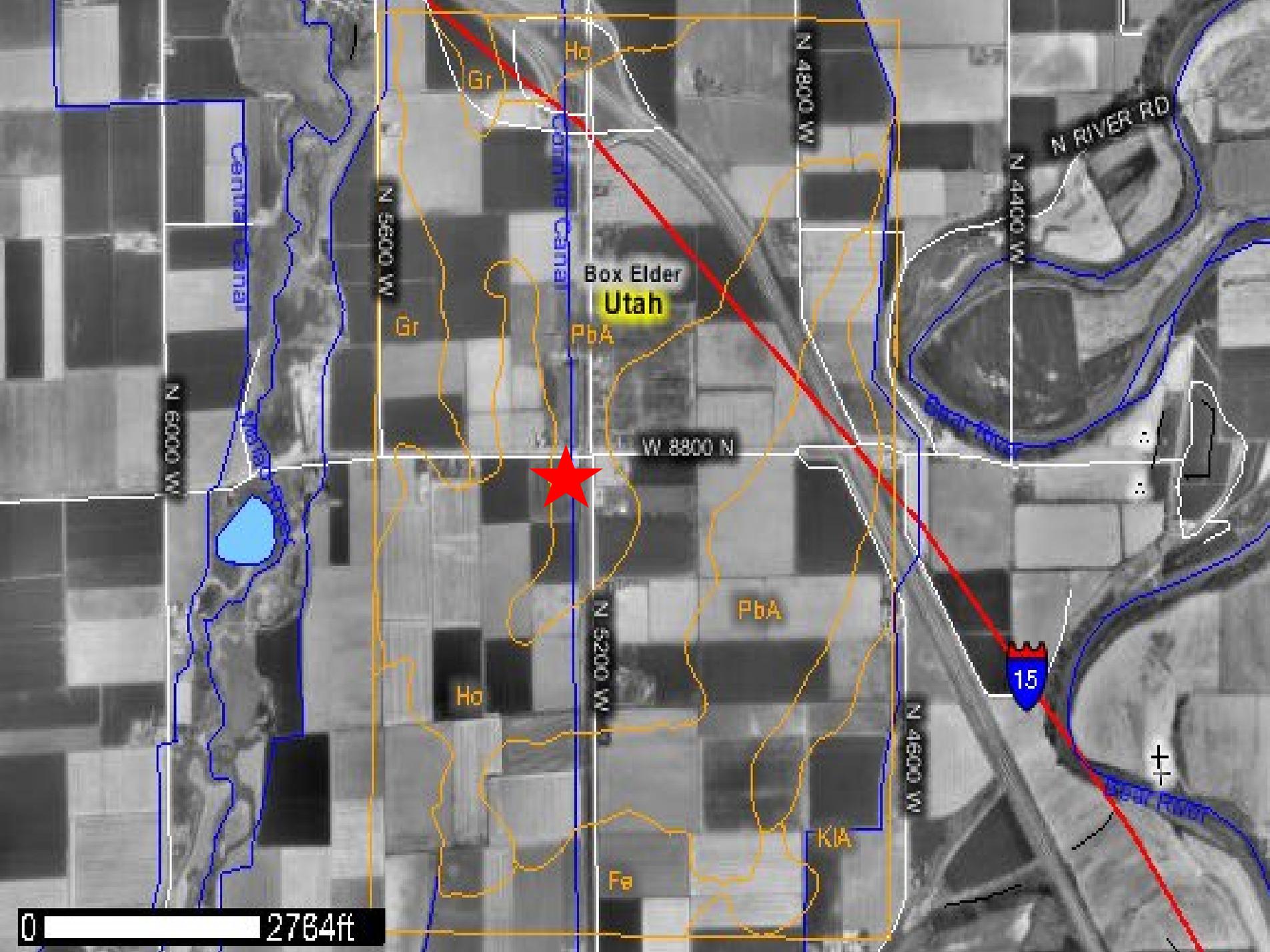


Utah
84337
Box Elder

Continental

N 5200 W

0 202ft



Box Elder
Utah



0 2764ft



PbA

W 8900 N



Box Elder

PbA

Utah

Ho

W 8900 N

N 5200 W

PbA

0 816ft



FbA

W 8800 N

Box Elder

FbA

Utah

Ho

Comins Canal

N 5200 W

FbA

0 835ft

Description - Dwellings With Basements

Gr	Greenson silt loam, clay substratum	Somewhat limited	GREENSON (80%)	Depth to saturated zone
Ho	Honeyville silty clay loam	Somewhat limited	HONEYVILLE (85%)	Depth to saturated zone
				Shrink-swell
PbA	Parleys loam, 0 to 3 percent slopes	Somewhat limited	PARLEYS (85%)	Shrink-swell

Somewhat limited" indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected.

Description - Septic Tank Absorption Fields

Gr	Greenson silt loam, clay substratum	Very limited	GREENSON (80%)	
				Depth to saturated zone
Ho	Honeyville silty clay loam	Very limited	HONEYVILLE (85%)	Slow water movement
				Depth to saturated zone
PbA	Parleys loam, 0 to 3 percent slopes	Very limited	PARLEYS (85%)	Slow water movement

"Very limited" indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Pros

- NRCS soil survey (Web Soil Survey) accessible by general public!
- Important planning tool for small municipalities.
- When understood, identifies and maps potential limitations.
- Visual, digital orthophoto base easily enables location.

Cons

- Not all areas are mapped.
- Not all mapped areas have detailed soil information.
- Additional technical assistance needed!
(for new user to navigate website and know applications).
- Few know about it!!! *Web Soil Survey needs more promotion.*

Thank you