
1800 General Land Office (GLO) Field Survey Notes

Hugo's Applegate Trail routes of interest are located from Louse Creek in the south to Grave Creek in the north.

- **Road from Willamette Valley to Jacksonville (route of the Applegate Trail)**
- **Road to Illinois Valley via Van Noys Ferry (route of the Applegate Trail from Widow Niday's place to ferry location on Rogue River)**

A problem for early surveyors was the mineral attraction in the ground deflecting the needle of their magnetic compass just enough to produce the errors. By knowing the location of the sun in relation to his position on the earth, the surveyor could adjust the solar compass for the sun's declination. On February 26, 1836 Burt's solar compass was issued patent number 9428X.

There are 17 major "road" GLO field note locations for the "Road from Willamette Valley to Jacksonville" within Hugo's routes of interest. They are numbered JA-1 through JA-17. There are nine major "road" GLO field notes for the "Road to Illinois Valley via Van Noys Ferry" within Hugo's routes of interest. There are seven GLO field survey notes that identified houses which were close to the road, fields, prairies, and fences. In total there are 33 GLO field note locations within Hugo's Applegate Trail routes of interest.

1. Hugo Emigrant Trails Committee. May 2005. *Mapping Action Plan for Applegate Trail*. Hugo, OR.; Public Outreach & Educational Brochure Committee for Hugo's Emigrant Trails. February 2005. *Public Outreach & Educational Brochure Program: Hugo's Emigrant Trails*. Hugo, OR.

Purpose of General Land Office Field Survey Sub- Committee

The purpose of the *General Land Office Field Survey Sub-Committee* is to transcribe the 33 GLO field note locations within Hugo's Applegate Trail routes of interest and, ultimately, to calculate the latitude and longitude for each location. This includes developing the methodology for translating the hand written notes, converting chains to feet, and plotting bearing and distances in feet on USGS topographic quadrangles. The last step is calculating the latitude and longitude from the plots on the quads (i.e., degrees, minutes, and seconds). In our area of the world a second of latitude is about 100 feet and a second of longitude is about 75 feet.

One link = 7.92 inches
One rod = 16.5 feet
One chain = 66 feet
80 chains = one mile

The final latitude and longitude coordinates will be used by the *Sub-Committee* with Global Position System (GPS) devices to location the actual emigrant roads and house locations on the ground.

General Land Office Field Survey SubCommittee

Glen Campbell
Jim & Rene Ford
Joe Neiderheiser
Kelly Rarey
Mike Walker
Chris Wytcherley

More Information

Hugo's Applegate Trail Segments

Jacksonville Road -
Road from Willamette Valley to Jacksonville

Illinois Valley Road -
Road To Illinois Valley via Van Noys Ferry

Applicable Field Notes For GLO Maps

1856 Field Notes For 1856 Map: T. 35, R. 5 W., WM
1894 Field Notes For 1895 Map: T. 35, R. 5 W., WM
1856 Field Notes For 1856 Map: T. 35, R. 6 W., WM
1856 Field Notes For 1856 Map: T. 34, R. 6 W., WM
1893 Field Notes For 1894 Map: T. 34, R. 6 W., WM
General Surveyor Office of Oregon



The copies of the field notes and GLO maps are available from the Josephine County Surveyor's Office in the basement of the courthouse.

Want more information? Contact an officer of the *Hugo Neighborhood*, or a member of the *Trails Committee* on how you can become involved in this trail project.

1. Continued - Public Outreach & Educational Brochure Committee for Hugo's Emigrant Trails. July 2005. *Hugo Emigrant Trails Committee*. Hugo, OR.; and Public Outreach & Educational Brochure Committee for Hugo's Emigrant Trails. February 2005. *Hugo Applegate Trail Field Notes*. Hugo, OR.

Hugo Emigrant Trails Committee

Hugo is blessed with a rich heritage of historic roads, rough though they were. The *Hugo Emigrant Trails Committee* was formed to bring together all those who want to learn more about the early transportation in the area, from the casual admirer to the dedicated researcher. Its aim is to collect and record information about Hugo's emigrant trails, especially its two historic 1850s General Land Office mapped roads of the Applegate Trail, and to share this information (e.g., through *Hugo History Day*, talks, hikes, group visits, training exercises, workshops, publications, web sites, etc.).

Karen Rose, Co-Project Leader
Mike Walker, Co-Project Leader

Diaries, Journals & Reminiscences SubCommittee

Karen Rose
Janet McKy
Kelly & Berneata Rarey
Glen Campbell
Norm Tieman
Joe & Leta Neiderheiser
Kristen Boyce
Kathy Burkey
Penny Shipley
Mike Walker

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Brochure 10D in Emigrant Trails Brochure Series - HNA&HS 2006 -32
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Hugo Neighborhood Association & Historical Society's Mission

This information brochure is one of a series of documents published by the Hugo Neighborhood Association & Historical Society (*Hugo Neighborhood*). It is designed to be shared with neighbors for the purpose of helping protect our rural quality of life by promoting an informed citizenry in decision-making. The *Hugo Neighborhood* is an informal nonprofit charitable and educational organization with a land use and history mission of promoting the social welfare of its neighbors.

Land Use & History

The *Hugo Neighborhood's* land use mission is to promote Oregon Statewide Goal 1 — Citizen Involvement, and to preserve, protect, and enhance the livability and economic viability of its farms, forests, and rural neighbors. It will act, if requested, as a technical resource assisting neighbors to represent themselves.

Its history mission is to educate, collect, preserve, interpret, and research its local history and to encourage public interest in the history of the Hugo area. Volunteer membership dues are \$10.00 annually per family and normally used for paper, ink, envelopes, publications and mailings.

Hugo Neighborhood

3388B Merlin Rd # 195, Grants Pass, Oregon 97526
541-471-8271
Email: hugo@jeffnet.org
Web Page: <http://jeffnet.org/~hugo/>

Edited by Jim & Rene Ford, Joe Neiderheiser, Kelly Rarey,
Mike Walker, & Chris Wytcherley

GENERAL LAND OFFICE FIELD SURVEY SUB- COMMITTEE

Brochure 10D in Emigrant Trails Series



On February 26, 1836 Burt's solar compass was issued patent number 9428X.

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Updated March 5, 2010

**General Land Office Field Survey
Sub-Committee,
*Hugo's Emigrant Trails Committee***

**Hugo Neighborhood Association &
Historical Society**