HISTORICAL FIELD NOTEBOOK COLLECTION

A collection of digital geologic field notebooks dating back to the early 1900s

WASHINGTON
GEOLOGICAL SURVEY
June 2020

WASHINGTON STATE DEPARTMENT OF
NATURAL RESOURCES
WASHINGTON GEOLOGICAL SURVEY

Historical Field Notebook Collection

HISTORY OF DATA PRESERVATION AT THE SURVEY

Since its inception in 1890, the Washington Geological Survey (WGS) has collected geologic information in paper format, some of which is readily available through the Washington Geology Library. This information includes theses, field notebooks, maps, out-of-print publications, and never-published materials. However, parts of the collections are perishable, meaning only one physical document exists that records that information. Therefore it is important for WGS to preserve these items before they are lost.

HISTORY OF THE FIELD NOTEBOOK PRESERVATION PROJECT

Our effort to preserve over 125 years of WGS geologic records has been made possible by the U. S. Geological Survey's Data Preservation Program. A grant awarded from this program in 2017 has allowed WGS to dedicate staff time to scan and make publicly available the Survey's collection of field notebooks dating back to 1899, many of which are starting to deteriorate. These notebooks serve as a valuable resource to our geologic mapping team year after year, and help with historical research for others. Yet they are not a well-known source of information, as they are inaccessible to anyone not physically within the Washington Geology Library. Until now they have never been cataloged.

HOW TO GET THE BOOKS

To make these books available to the public, we have produced an online catalog that provides links to scanned PDFs of the books. Provided are the book identification number, author(s), title, date, and link to the PDF file. Many of the books were created by county, so searching the catalog for a specific county will help when looking for a specific area. Click on the "Link" text to open the file in a new browser window. From here you can save the file if you like.

LOCATION OF SITES

In order to make use of many of the field notebooks, the reader must understand the locational system many of the older books use, known as the Culver System. This system was replaced with the Modified Culver System in the 1980s. More recent field notebooks, and others we plan to add, use GPS and other station locations, making them easier to locate.

For an in-depth examination of the Culver System see Appendix A.

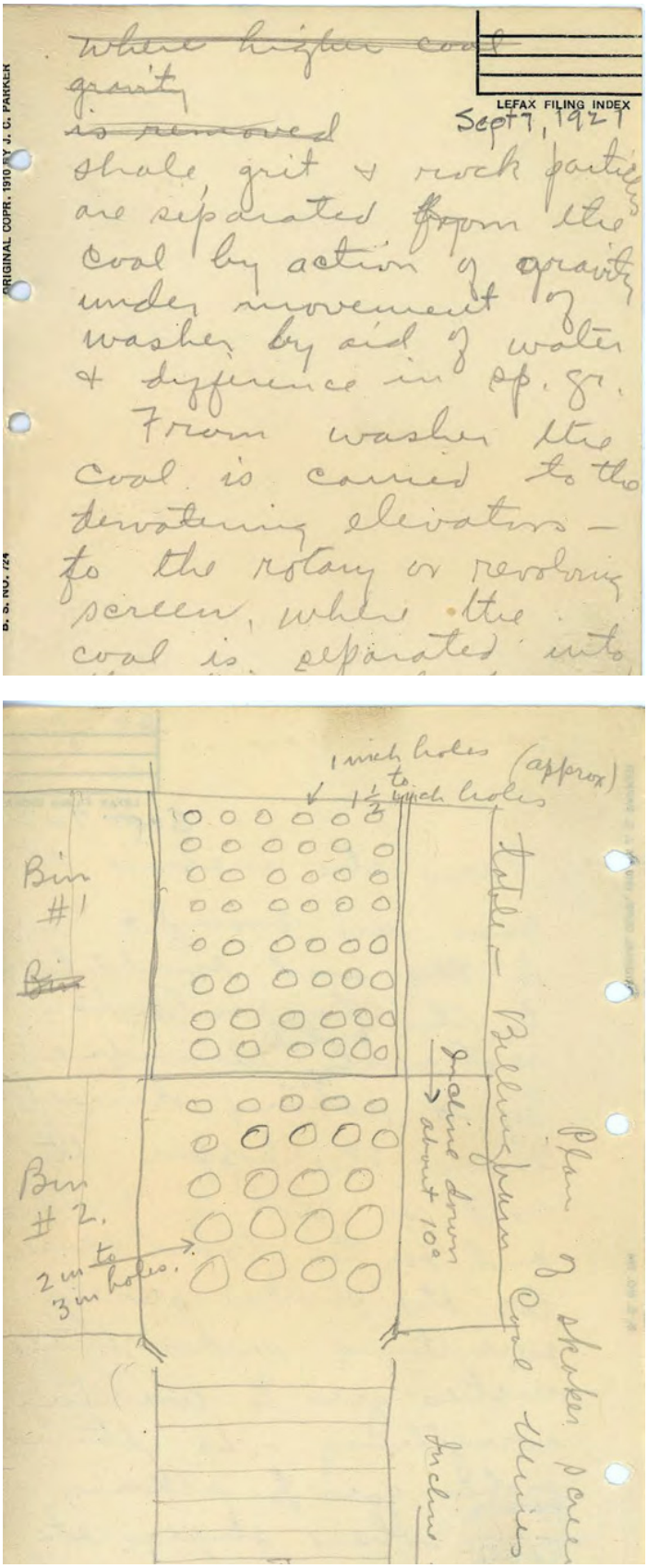

Figure 1. Scanned pages from a 1921 field notebook about coal mining in Whatcom County by Olaf P. Jenkins.

Book Number	Author(s)	Title	Year	Number of Pages	PDF Link
1	O. P. Jenkins	Manganese 1921 Triple Trip Mining Co. (Lake Cushman District) Summer 1921	1916	29	Link
2	O. P. Jenkins	Iron Report of Washington Summer of 1921- Western WA	1921	36	Link
3	O. P. Jenkins	Iron Report of Washington Summer of 1921- Eastern WA	1921	89	Link
4	O. P. Jenkins	Field Notes-1921	1921	78	Link
5	O. P. Jenkins	Lime-1921	1919	10	Link
6	O. P. Jenkins	Coal-1921-Bellingham Coal Mines-Whatcom County	1921	14	Link
7	O. P. Jenkins	Stratigraphy-Bellingham District-Whatcom County	1921	14	Link
8	E. Barker	Barker-Iron, Grays Harbor, 1939	1939	9	Link
9	J. Holt	Holt-Iron, Grays Harbor, 1939	1939	10	Link
10	J. Schmidt	Schmidt-Iron, Grays Harbor	1939	36	Link
11	C. Pense	Pense-Iron-Grays Harbor-1939	1939	12	Link
12	R. W. Merritt	Merritt-Stevens Co. Limestone-1912	1912	25	Link
13	S. Shedd	Shedd-Iron, Coal, and Miscellaneous-1900	1900	26	Link
14	S. Shedd	Shedd-Iron and Miscellaneous-1899	1899	24	Link
15	A. A. Hammer	Hammer-Miscellaneous-1909	1909	27	Link
16	F. M. Handy	F. M. Handy July 28, 1913	1913	53	Link
17	H. E. Culver	Various Locations	1926	56	Link
18	Warren	Warren No. 1- Bellingham Area and Yakima and Benton Counties, 1934	1933	71	Link
19	S. N. Twiss	Twiss No.1 Bellingham Oil and Gas Investigation, Western Whatcom County May and June 1934	1934	68	Link
20	H. E. Culver	Lewis County No. 2	1914	54	Link
21	H. E. Culver	Various Locations	1931	76	Link
22	H. E. Culver	Various Locations	1930	61	Link
23	H. E. Culver	Lewis County No. 1	1913	71	Link
24	H. E. Culver	Lewis County No. 3-Also has some Cowlitz County info near Castle Rock and Kelso	1917	69	Link
25	S. N. Twiss	Twiss-Yakima Valley Reconnaissance	1933	30	Link
26	H. E. Culver	Lewis County No. 4-Some Stevens County in back	1917	35	Link
27	H. E. Culver	Lewis County No. 4-Some Stevens County in back-Part 2	1951	22	Link
28	Unknown	Various Locations	1927	51	Link
29	Broughton-Huntting	Sherwood Tungsten-1942, Read Iron-1942	1942	10	Link

Book Number	Author(s)	Title	Year	Number of Pages	PDF Link
30	Broughton-Huntting	Kelsey Iron-1943, Blewett Iron-1943	1943	18	Link
31	Broughton-Friedman-Thomas	Magnetic Survey Blewett-Cle Elum 1943	1943	25	Link
32	Broughton-Teir-Valentine-Huntting-Stevenson	Magnetic Survey Blewett and [Etienne] Creek Iron 1942	1942	58	Link
33	G. M. Valentine	Deming Area, Whatcom County-1941	1941	15	Link
34	Warren	Warren No. 2-Bellingham Area-1934	1933	28	Link
35	R. C. Newcomb	Newcomb No. 1-Bellingham Area-1934	1934	33	Link
36	R. C. Newcomb	Newcomb-Bennett No. 2-Bellingham Area-1934	1934	34	Link
37	R. C. Newcomb	Newcomb-Bennett No. 3-Bellingham Area-1934	1934	35	Link
38	P. Crane	Manganese-Olympic Peninsula-Book No. 1	1940	15	Link
39	Slater	Humptulips, Falls, and Willaby Creek Trails	1938	25	Link
40	R. H. B. Jones	Chewelah Quad, Book No. 1	1927	72	Link
41	Broughton-Tier-Stevenson	Magnetic Surveys-Anderson Iron, Cle Elum Iron, Big Iron-1943-44	1943	23	Link
42	Slater	Fletcher and Elwell Creek, Bunch Lake	1938	29	Link
43	P. H. Knowles	Kittitas County Mineral Survey	1936	30	Link
44	Slater	Falls Creek, Gatton Creek Trails, Quinault	1938	18	Link
45	R. H. B. Jones	Chewelah Quad, Book No. 2	1927	48	Link
46	Slater	Thurston County	1938	40	Link
47	Unknown	Magnetic Surveys-Read Iron, Hill Iron, Brown-Johnson-1944	1944	41	Link
48	Broughton-Huntting-Stevenson-Thomas-Firedman	Magnetic Survey- [Etienne] Creek to Cle Elum River, 1942-43	1942	69	Link
49	Broughton-Teir-Valentine	Buckhorn Magnetic Survey-1942	1942	56	Link
50	V. E. Barnes	Chewelah Quad-1927	1926	70	Link
51	H. E. Culver	Book 12	1939	77	Link
52	H. E. Culver	Book 13	1944	82	Link
53	H. E. Culver	Book 14	1951	21	Link
54	E. C. Cram	Cram No. 1-Bellingham Area-1934	1933	77	Link
55	W. Carithers	Turk Magnesite Diamond Drill Record-1942	1942	26	Link
56	W. R. Nen	Various Mines	1938	73	Link

Book Number	Author(s)	Title	Year	Number of Pages	PDF Link
57	R. A. Anderson	Anderson-Ferry County Mineral Survey WPA-1936	1936	25	Link
58	H. Kirkema	Kirkema-Mine Traverse Notes-1939 (supplement Melrose's notes)	1939	7	Link
59	H. Kirkema	Kirkema-Mine Examination Traverse Notes-1939 (supplement Melrose's notes)	1939	20	Link
60	S. Shedd	East Slope Cascades	1900	24	Link
61	Slater	Cook, Fletcher, and Howe Creek Trails, Grays Harbor-1938	1938	57	Link
62	Slater	Colonel Bob Lake, Quinault Contacts-Grays Harbor-1938	1938	7	Link
63	Slater	No. 1 Stevens-Cook Creek Trails-Grays Harbor-Part 1	1937	12	Link
64	Slater	No. 1 Stevens-Cook Creek Trails-Grays Harbor-Part 2	1938	13	Link
65	Slater	No. 1 Stevens-Cook Creek Trails-Grays Harbor-Part 3	1938	9	Link
66	Warren	Warren No. 3-Bellingham Area-1934	1934	15	Link
67	Williamson	Williamson-Iron-Grays Harbor 1939	1939	13	Link
68	Search	Search-Ringold and Other Alluvium-Central Washington-1934	1934	18	Link
69	F. M. Handy	1191-A to J- Spokane County-Clay	1936	72	Link
70	Hougland	Hougland-Lava and Miscellaneous-1934	1933	24	Link
71	Unknown	1191-A to J- Spokane County-Clay-2	1936	8	Link
72	B. M. Reynolds	Iron Investigation-Skagit County	1940	12	Link
73	Tier	Tier's Notes? On Chopaka Mountain	1942	5	Link
74	Unknown	Book 1- WPA 7020-21 Coal	1900	33	Link
75	Unknown	Twin Sisters	1938	46	Link
76	S. N. Twiss	Twiss No. 2- Western Whatcom and Skagit Counties Oil and Gas Investigation-June-July 1934	1934	66	Link
77	Unknown	Twin Sisters-2	1939	60	Link
78	K. R. Peterson	W. P. A. Project No. 7020 Book 2	1900	25	Link
79	H. E. Culver	Book 10	1935	74	Link
80	Unknown	1189-King County	1936	79	Link
81	K. Othberg	Coastal Areas	1974	32	Link
82	Unknown	North Cascades-Upper Methow	1935	68	Link
83	H. E. Culver	Book 11	1938	71	Link
84	J. W. Melrose	Melrose-Mine Examinations-Tunnel Maps-1939	1939	70	Link
85	J. W. Melrose	Melrose-Miscellaneous Mines-1941	1941	22	Link
86	H. Kirkema	Kirkema-No. 1 Sample Notes Enumclaw Alunite-1940	1940	41	Link

Book Number	Author(s)	Title	Year	Number of Pages	PDF Link
87	F. M. Handy	Handy-W.P.A. Mineral Survey- Spokane County-1936	1936	13	Link
88	Multiple	Alunite-Enumclaw, King County	1940	34	Link
89	J. E. Green	Manganese-Olympic Penninsula-1937-39	1937	37	Link
90	S. N. Twiss	Twiss No. 3-Oil and Gas Investigation-Western Skagit County	1934	10	Link
91	S. N. Twiss	Twiss No. 3-Oil and Gas Investigation-Olympic Peninsula	1934	28	Link
92	W. New	Olympic Peninsula Investigation-1939	1939	38	Link
93	H. Kirkema	Kirkema No 2- Trench Detail-Enumclaw Alunite-1940	1940	19	Link
94	S. Shedd	Shedd-Limestone and Miscellaneous-1909	1909	15	Link
95	S. Shedd	Shedd-Miscellaneous-1901	1901	46	Link
96	H. E. Culver	Notebook No. 13-A	1947	53	Link
97	Multiple	Adams County	1900	8	Link
98	Multiple	Asotin County	1900	15	Link
99	Multiple	Benton County-Book 1-Part 1	1900	21	Link
100	Multiple	Benton County-Book 1-Part 2	1900	38	Link
101	Multiple	Benton County-Book 1-Part 3	1900	39	Link
102	Multiple	Chelan County-Book 1	1900	51	Link
103	Multiple	Chelan County-Book 2-Part 1	1900	47	Link
104	Multiple	Chelan County-Book 2-Part 2	1900	45	Link
105	Multiple	Chelan County-Book 2-Part 3	1900	64	Link
106	Multiple	Chelan County-Book 2-Part 4	1900	136	Link
107	Multiple	Chelan County-Book 2-Part 5	1900	84	Link
108	Multiple	Chelan County-Book 2-Part 6	1900	122	Link
109	Multiple	Clallam County	1900	51	Link
110	Multiple	Clark County	1900	36	Link
111	Multiple	Columbia County	1900	9	Link
112	Multiple	Cowlitz County	1900	21	Link
113	Multiple	Douglas County	1900	113	Link
114	R. L. Lupher	Ferry County-Book 1	1933	45	Link
115	Unknown	Notes on the Kelso-Cathlamet Area	1900	115	Link
116	Multiple	Ferry County-Book 2-Part 1	1900	113	Link
117	Multiple	Ferry County-Book 2-Part 2	1900	129	Link

Book Number	Author(s)	Title	Year	Number of Pages	PDF Link
118	Multiple	Ferry County-Book 2-Part 3	1900	136	Link
119	Multiple	Ferry County-Book 2-Part 4	1900	125	Link
120	Multiple	Ferry County-Book 3-Part 1	1900	115	Link
121	Multiple	Ferry County-Book 3-Part 2	1900	161	Link
122	Multiple	Ferry County-Book 3-Part 3	1900	106	Link
123	Multiple	Ferry County-Book 3-Part 4	1900	118	Link
124	C. D. Campbell	Kettle Range Notes-Ferry County-1935-1946-Part 1	1935	118	Link
125	C. D. Campbell	Kettle Range Notes-Ferry County-1935-1946-Part 2	1935	152	Link
126	C. D. Campbell	Kettle Range Notes-Ferry County-1966-1967-Part 3	1966	107	Link
127	Multiple	Franklin-Garfield Counties	1933	14	Link
128	Multiple	Grant County	1900	117	Link
129	Multiple	Grays Harbor County	1900	61	Link
130	Multiple	Island County	1900	4	Link
131	Multiple	Jefferson County	1900	41	Link
132	Multiple	King County-Book 1-Part 1	1900	125	Link
133	Multiple	King County-Book 1-Part 2	1900	134	Link
134	S. L. Glover	Field Notes on Olympic Peninsula Strip-Part 1	1934	141	Link
135	S. L. Glover	Field Notes on Olympic Peninsula Strip-Part 2	1934	129	Link
136	S. L. Glover	Field Notes on Olympic Peninsula Strip-Part 3	1934	128	Link
137	S. L. Glover	Field Notes on Olympic Peninsula Strip-Part 4	1940	157	Link
138	C. W. Walker	Roslyn Cle Elum Coal Field-Part 1	1977	87	Link
139	C. W. Walker	Roslyn Cle Elum Coal Field-Part 2	1978	80	Link
140	Multiple	Kittitas County	1900	158	Link
141	Multiple	Klickitat County	1900	23	Link
142	C. W. Walker	Field Notes Taneum-Manastash-1980	1980	84	Link
143	C. W. Walker	Field Notes: First Creek, Naneum Creek, Cole Creek, Cabin Creek-Kittitas County-1980	1980	25	Link
144	C. W. Walker	Field Notes DGER 83-9: Geology and Coal Potential of the Taneum-Manastash Area, Kittitas County	1981	52	Link
145	Multiple	Kitsap County	1945	10	Link
146	Multiple	Lewis County	1900	114	Link
147	Multiple	Lincoln County	1900	56	Link
148	Multiple	Mason County	1900	39	Link

Book Number	Author(s)	Title	Year	Number of Pages	PDF Link
149	Multiple	Okanogan County-Book 1-Part 1	1900	136	Link
150	Multiple	Okanogan County-Book 1-Part 2	1900	108	Link
151	Multiple	Okanogan County-Book 1-Part 3	1900	95	Link
152	Multiple	Okanogan County-Book 1-Part 4	1900	139	Link
153	Multiple	Okanogan County-Book 2-Part 1	1900	106	Link
154	Multiple	Okanogan County-Book 2-Part 2	1900	118	Link
155	Multiple	Okanogan County-Book 2-Part 3	1900	142	Link
156	Multiple	Okanogan County-Book 2-Part 4	1900	85	Link
157	Multiple	Okanogan County-Book 3-Part 1	1900	69	Link
158	Multiple	Okanogan County-Book 3-Part 2	1900	106	Link
159	Multiple	Okanogan County-Book 4	1900	94	Link
160	Multiple	Okanogan County-Book 5-Part 1	1900	86	Link
161	Multiple	Okanogan County-Book 5-Part 2	1900	75	Link
162	Multiple	King County-Book 2-Part 1	1900	99	Link
163	Multiple	King County-Book 2-Part 2	1900	113	Link
164	Multiple	Pacific County-Book 1-Part 1	1900	59	Link
165	Multiple	Pacific County-Book 1-Part 2	1900	75	Link
166	Multiple	Pend Oreille County-Book 1-Part 1	1900	72	Link
167	Multiple	Pend Oreille County-Book 1-Part 2	1900	76	Link
168	Multiple	Pend Oreille County-Book 1-Part 3	1900	64	Link
169	Multiple	Pend Oreille County-Book 1-Part 4	1900	72	Link
170	Multiple	Pierce County	1900	65	Link
171	M. T. Huntting	San Juan County	1947	2	Link
172	Multiple	Skagit County-Book 1-Part 1	1900	64	Link
173	Multiple	Skagit County-Book 1-Part 2	1900	56	Link
174	Multiple	Skagit County-Book 1-Part 3	1900	62	Link
175	Multiple	Skagit County-Book 1-Part 4	1900	82	Link
176	Multiple	Skamania County	1900	101	Link
177	Multiple	Sultan Basin-Part 1	1943	75	Link
178	Multiple	Sultan Basin-Part 2	1943	84	Link
179	Multiple	Sultan Basin-Part 3	1943	99	Link
180	Multiple	Sultan Basin-Part 4	1943	91	Link

Book Number	Author(s)	Title	Year	Number of Pages	PDF Link
181	Multiple	Snohomish County-Part 1	1900	79	Link
182	Multiple	Snohomish County-Part 2	1900	88	Link
183	Multiple	Snohomish County-Part 3	1900	96	Link
184	Multiple	Spokane County	1900	45	Link
185	J. E. Schuster	Colville Area Field Notes	1971	215	Link
186	J. E. Schuster	Lithologies From Colville Area Field Notes	1971	42	Link
187	Multiple	W. P. A. Project No. 1190-668 Snohomish County-Book 2	1936	20	Link
188	P. Crane	Geology of the Sultan Basin-Snohomish County	1928	45	Link
189	D. J. Cogswell	W. P. A. Project No. 1190-668 Snohomish County-Book 1	1936	10	Link
190	Multiple	Stevens County Book 1-Part 1	1900	86	Link
191	Multiple	Stevens County Book 1-Part 2	1900	110	Link
192	Multiple	Stevens County Book 1-Part 3	1900	112	Link
193	Multiple	Stevens County Book 1-Part 4	1900	115	Link
194	W. A. Bennett	Field Notes Stevens County-Part 1	1940	87	Link
195	W. A. Bennett	Field Notes Stevens County-Part 2	1940	93	Link
196	Multiple	Stevens County Mine Maps and Notes	1900	57	Link
197	Multiple	Stevens County Book 2-Part 1	1900	88	Link
198	Multiple	Stevens County Book 2-Part 2	1900	102	Link
199	Multiple	Stevens County Book 2-Part 3	1900	100	Link
200	Multiple	Stevens County Book 2-Part 4	1900	99	Link
201	Multiple	Stevens County Book 2-Part 5	1900	100	Link
202	Multiple	Stevens County Book 2-Part 6	1900	111	Link
203	Multiple	Stevens County Book 3-Part 1	1900	128	Link
204	Multiple	Stevens County Book 3-Part 2	1900	97	Link
205	Multiple	Stevens County Book 3-Part 3	1900	110	Link
206	Multiple	Stevens County Book 3-Part 4	1900	110	Link
207	Multiple	Thurston County	1900	14	Link
208	Multiple	Wahkiakum County	1900	9	Link
209	W. A. Bennett	Walla Walla County	1930	5	Link
210	Multiple	Whatcom County-Part 1	1900	113	Link
211	Multiple	Whatcom County-Part 2	1900	114	Link
212	Multiple	Whatcom County-Part 3	1900	113	Link

Book Number	Author(s)	Title	Year	Number of Pages	PDF Link
213	Multiple	Whatcom County-Part 4	1900	100	Link
214	Multiple	Whatcom County-Part 5	1900	82	Link
215	Multiple	Whitman County	1930	21	Link
216	Multiple	Yakima County-Part 1	1900	127	Link
217	Multiple	Yakima County-Part 2	1900	114	Link
218	Multiple	Yakima County-Part 3	1900	132	Link
219	W. A. Bennett-Prucha	Dolomite	1945	65	Link
220	M. T. Huntting	Coal Properties	1900	97	Link
221	A. K. Guard	Limestone-Part 1	1943	110	Link
222	A. K. Guard	Limestone-Part 2	1943	116	Link
223	Multiple	Oil and Gas-Adams to Jefferson County-Part 1	1900	88	Link
224	Multiple	Oil and Gas-Adams to Jefferson County-Part 2	1900	123	Link
225	Multiple	Oil and Gas-Adams to Jefferson County-Part 3	1900	111	Link
226	Multiple	Oil and Gas-King to Yakima County-Part 1	1900	110	Link
227	Multiple	Oil and Gas-King to Yakima County-Part 2	1900	141	Link
228	Multiple	Oil and Gas-King to Yakima County-Part 3	1900	143	Link
229	Multiple	Peat-Part 1	1900	105	Link
230	Multiple	Peat-Part 2	1900	109	Link
231	Multiple	Peat-Part 3	1900	143	Link
232	G. B. Rigg	Peat 1949-Part 1	1949	112	Link
233	G. B. Rigg	Peat 1949-Part 2	1949	126	Link
234	G. B. Rigg	Peat 1949-Part 3	1949	154	Link
235	Unknown	Peat 1950-Part 1	1950	106	Link
236	Unknown	Peat 1950-Part 2	1950	96	Link
237	Unknown	Peat 1950-Part 3	1950	99	Link
238	Unknown	Peat 1950-Part 4	1950	128	Link
239	Unknown	Peat 1950-Part 5	1950	112	Link
240	Unknown	Peat 1951-1953-Part 1	1951	102	Link
241	Unknown	Peat 1951-1953-Part 2	1951	115	Link
242	Multiple	Pumice and Pumicite-Part 1	1945	121	Link
243	Multiple	Pumice and Pumicite-Part 2	1945	76	Link

Book Number	Author(s)	Title	Year	Number of Pages	PDF Link
244	Multiple	Pumice and Pumicite-Part 3	1945	86	Link
245	W. A. Bennett	Untitled Compilation Book 1	1900	100	Link
246	Multiple	Untitled Compilation Book 2-Part 1	1900	151	Link
247	Multiple	Untitled Compilation Book 2-Part 2	1900	114	Link
248	Multiple	Untitled Compilation Book 2-Part 3	1900	127	Link
249	R. L. Lupher	Hart's Pass	1935	46	Link
250	Multiple	Untitled Compilation Book 3-Part 1	1900	80	Link
251	Multiple	Untitled Compilation Book 3-Part 2	1900	77	Link
252	Multiple	W. P. A. 7020-31-A Lockwood Pyrite	1937	12	Link
253	K. Stoffel	Book 1- June1984 Through July 1986	1984	66	Link
254	K. Stoffel	Book 2- August 1986 Through July 1987	1986	80	Link
255	K. Stoffel	Book 3- July 1987 Through August 1989	1987	72	Link
256	Multiple	Untitled Compilation Book 4-Part 1	1952	85	Link
257	Multiple	Untitled Compilation Book 4-Part 2	1952	80	Link
258	Multiple	Untitled Compilation Book 5	1900	68	Link
259	Multiple	Untitled Compilation Book 6	1900	93	Link
260	V. E. Livingston	Untitled Compilation Book 7	1900	44	Link
261	Multiple	Untitled Compilation Book 8	1900	120	Link
262	Multiple	Investigation of Tectonic Deformation in the Puget Lowland, WA	1977	143	Link
263	Multiple	Coal	1975	54	Link
264	E. Hougland	Metaline Quadrangle Investigation	1935	15	Link
265	Unknown	Water Well Data	1900	20	Link
266	Unknown	Notes Near Birch Bay	1900	6	Link
267	R. L. Logan	State Geo Map 1984	1984	85	Link
268	R. L. Logan	Notes on Landslides	1988	68	Link
269	R. L. Logan	Notes 1991	1991	25	Link
270	R. L. Logan	Notes 1992-1994	1992	33	Link
271	R. L. Logan	Notes 1995-1997	1995	55	Link
272	R. L. Logan	Notes 1997-1999	1997	65	Link
273	R. L. Logan	Notes 1999-2000	1999	21	Link
274	R. L. Logan	Notes 2000-2002	2000	45	Link

Book Number	Author(s)	Title	Year	Number of Pages	PDF Link
275	R. L. Logan	Notes 2003-2004	2003	9	Link
276	R. W. Galster	Priest Rapids	1954	125	Link
277	G. W. Thorsen	Smith Creek Landslide	1983	40	Link
278	G. W. Thorsen	Anderson Creek Landslide	1983	13	Link
279	G. W. Thorsen	Austin Creek/Sudden Valley Landslides	1983	47	Link
280	G. W. Thorsen	Mills, Thunder, Childs Creek Landslides	1983	46	Link
281	G. W. Thorsen	Miscellaneous Landslide Notes	1983	20	Link
282	B. Phillips	Bill Phillips Field Notes-Part 1	1980	77	Link
283	B. Phillips	Bill Phillips Field Notes-Part 2	1983	73	Link
284	K. Kaler	Phillips Assistant Field Notes 1985	1985	15	Link
285	M. McClincy	Phillips Assistant Field Notes 1985	1985	15	Link
286	R. L. Gresens	Wenatchee Notes 1973-1976	1973	80	Link
287	R. L. Gresens	Wenatchee Notes 1978-1981	1978	66	Link
288	Denman	Skagit and Whatcom Counties	1923	114	Link
289	R. J. Carson	Field Notes 1972-74 Photocopies	1972	43	Link
290	R. J. Carson	Field Notes 1972-Part 1	1972	98	Link
291	R. J. Carson	Field Notes 1972-Part 2	1972	108	Link
292	R. J. Carson	Field Notes 1973	1973	130	Link
293	R. J. Carson	Field Trip No.1	1967	24	Link
294	R. J. Carson	Field Trip No.2	1967	24	Link
295	R. J. Carson	Notebook No.3 June 5, 1968 to July 12,1968	1968	25	Link
296	R. J. Carson	Notebook No.4 July 13, 1968 to July 19, 1968	1968	25	Link
297	R. J. Carson	Notebook No.5 July 23, 1968 to August 3, 1968	1968	25	Link
298	R. J. Carson	Notebook No.6 August 4, 1968 to August 26, 1968	1968	24	Link
299	R. J. Carson	Notebook No.7 August 29, 1968 to September 11,1968	1968	25	Link
300	R. J. Carson	Notebook No.8 September 12, 1968 to July 5, 1969	1968	24	Link
301	R. J. Carson	Notebook No.9 Field Trips	1968	22	Link
302	R. J. Carson	Notebook No.10 Conferences	1969	24	Link
303	R. J. Carson	Notebook No.11 July 5, 1969 to July 14, 1969	1969	25	Link
304	R. J. Carson	Notebook No.12 July 14, 1969 to July 28, 1969	1969	25	Link
305	R. J. Carson	Notebook No.13 July 28, 1969 to August 8, 1969	1969	26	Link
306	R. J. Carson	Notebook No.14 August 6, 1969 to August 20, 1969	1969	25	Link

Book Number	Author(s)	Title	Year	Number of Pages	PDF Link
307	R. J. Carson	Notebook No.15 August 21, 1969 to September 6, 1969	1969	25	Link
308	R. J. Carson	Notebook No.16 September 6, 1969 to September 23, 1969	1969	26	Link
309	R. J. Carson	Notebook No.17 September 23, 1969 to February 1, 1970	1969	24	Link
310	R. J. Carson	Notebook No.18 September 11, 1970 and On	1970	22	Link
311	R. J. Carson	1996-1997 Walla Walla Area	1996	24	Link
312	R. J. Carson	1996-2003 Touchet Area, Walla Walla Erratics, Monumental Dam, Ice Harbor Dam	1993	22	Link
313	R. J. Carson	1996-1997 Mt. Hood, San Juan Islands, Lower Monumental Dam	1996	25	Link
314	R. J. Carson	1997-Mt. Ellinor, Bear Creek Mountain, Lower Hell's Canyon, Hanford Reach	1997	19	Link
315	R. J. Carson	1997-2003 Yakima Valley, NE WA, Steamboat Rock, Walla Walla	1997	26	Link
316	R. J. Carson	1998-Yakima Canyon, Pinacle Pass, Diamond Peak, Puffer Butte	1998	17	Link
317	R. J. Carson	2001-2003 Walla Walla Watershed Assessment	2001	23	Link
318	R. J. Carson	1987-2006 NE OR to SE WA	1987	63	Link
319	R. J. Carson	1999-2007 NE OR to SE WA	1999	62	Link
320	R. J. Carson	2005-Olympic Mountains	2005	29	Link
321	R. J. Carson	1974-75 Hood Canal and Olympic Peninsula-Part 1	1974	100	Link
322	R. J. Carson	1974-75 Hood Canal and Olympic Peninsula-Part 2	1974	120	Link
323	R. J. Carson	Multiple Quad Notes	1978	43	Link
324	R. J. Carson	Belfair, Hansville, Holly	1900	49	Link
325	R. J. Carson	Lofall, Port Gamble	1900	53	Link
326	R. J. Carson	Poulsbo	1900	63	Link
327	R. J. Carson	Seabeck, Suquamish	1900	29	Link
328	R. D. Bentley	1985 Field Notes	1985	41	Link
329	K. A. Brunstad	Fifes Peak Volcano/Caldera	1991	59	Link
330	J. D. Vine	King County Coal Project 1961	1961	49	Link
331	J. D. Vine	King County Coal Project Hobart and Maple Valley Quadrangles 1959-1960	1959	95	Link
332	P. J. Pattee	Field Notes to Assist J. D. Vine, King County	1959	41	Link
333	Merritt	Field Notes From Ferry County	1911	24	Link

Book Number	Author(s)	Title	Year	Number of Pages	PDF Link
334	Hammer	Notes 1909	1909	16	Link
335	Unknown	Notes 1901	1901	19	Link
336	S. Shedd	East Slope Cascades	1900	25	Link
337	A. K. Guard	San Juan County, Orcas Island	1943	24	Link
338	A. K. Guard	Limestone Occurrences, multiple Counties	1943	12	Link
339	A. K. Guard	Lime, Marble, and Cement	1900	47	Link
340	J. W. Mills	Mineral Resources Stevens County-1967	1967	31	Link
341	J. W. Mills	Stevens County Notes-Summer 1968	1968	9	Link
342	Unknown	Lime 1909	1909	9	Link
343	J. W. Mills	Summer Notes 1963	1963	64	Link
344	J. W. Mills	Summer Notes 1964	1964	51	Link
345	J. W. Mills	Limestone Resources 1959	1959	23	Link
346	J. W. Mills	Kettle Falls Quadrangle 1960	1960	29	Link
347	J. W. Mills	Kettle Falls Quadrangle 1961	1961	14	Link
348	J. W. Mills	Kettle Falls Quadrangle 1962	1962	59	Link
349	J. W. Mills	Kettle Falls Quadrangle 1959	1959	15	Link
350	K. Kaler	SW Quad, Mount St. Helens	1985	62	Link
351	N. L. Joseph	Aeneas Quad	1985	156	Link
352	Unknown	Iron Investigation-1899	1900	10	Link
353	Unknown	Coal-1900	1900	13	Link
354	H. Schasse	Puget Group Roadcut	1981	8	Link
355	R. Rau	Winthrop Sandstone	1985	55	Link
356	G. M. Valentine	Taholah Quadrangle	1986	22	Link
357	G. M. Valentine	Buttermilk Butte	1983	11	Link
358	G. M. Valentine	Cashmere Quad	1982	15	Link
359	G. M. Valentine	Chumstick Mountain Quad	1982	23	Link
360	G. M. Valentine	Cle Elum Quad	1982	16	Link
361	G. M. Valentine	Doe Mountain Quad	1983	6	Link
362	G. M. Valentine	Easton Quad	1983	12	Link
363	G. M. Valentine	Entiat Quad	1983	1	Link
364	G. M. Valentine	Kachess Lake Quad	1982	2	Link
365	G. M. Valentine	Leavenworth Quad	1982	47	Link

Book Number	Author(s)	Title	Year	Number of Pages	PDF Link
366	G. M. Valentine	Eagle Creek Section-Leavenworth Quad	1982	31	Link
367	G. M. Valentine	Liberty Quad	1986	5	Link
368	G. M. Valentine	Mazama Quad	1983	8	Link
369	G. M. Valentine	Mission Peak and Wenatchee Heights Quads	1983	13	Link
370	G. M. Valentine	Monitor Quad	1982	16	Link
371	G. M. Valentine	Mount Rainier	1983	9	Link
372	G. M. Valentine	Mount Stewart Quad	1982	37	Link
373	G. M. Valentine	Plain Quad	1982	9	Link
374	G. M. Valentine	Skykomish Quad	1982	3	Link
375	G. M. Valentine	Slate Peak Quad	1983	3	Link
376	G. M. Valentine	Thorp Quad	1982	10	Link
377	G. M. Valentine	Twisp Quad	1983	7	Link
378	G. M. Valentine	Wenatchee Quad	1982	61	Link
379	G. M. Valentine	Wenatchee Heights Quad	1982	14	Link
380	G. M. Valentine	Pitcher Syncline-Wenatchee Quad	1982	19	Link
381	G. M. Valentine	Yakima Quad	1981	3	Link
382	G. M. Valentine	Liberty Quad-Blewett Pass Highway	1982	65	Link
383	H. Schasse	Morse Creek Quad	2000	131	Link
384	M. Polenz	Morse Creek Quad	2000	45	Link
385	K. Wegmann	Carlsborg Quad	1999	47	Link
386	H. Schasse	Carlsborg Quad	1999	97	Link

Appendix A: The Culver System

The Culver System is a gridded method of specifying a geographic location. The system conveys a lot of information in a compact code, but it is difficult to use because the code can't be translated back into a conventional township, range, section (TRS) location without the appropriate county township index map. By removing the need for an index, the Modified Culver System overcame this difficulty. Link to index maps

THE CULVER SYSTEM

The Culver System provides a detailed location code (for example, S2101.39), which is broken down into parts, as shown over the next few pages. Figure A1 shows how Culver System codes relate to the TRS System.

Part 1—County

Each county was assigned a one or two letter code. These codes are shown in the table at the right. In this case the code refers to Steven's County (shown in detail below).

S2101.39

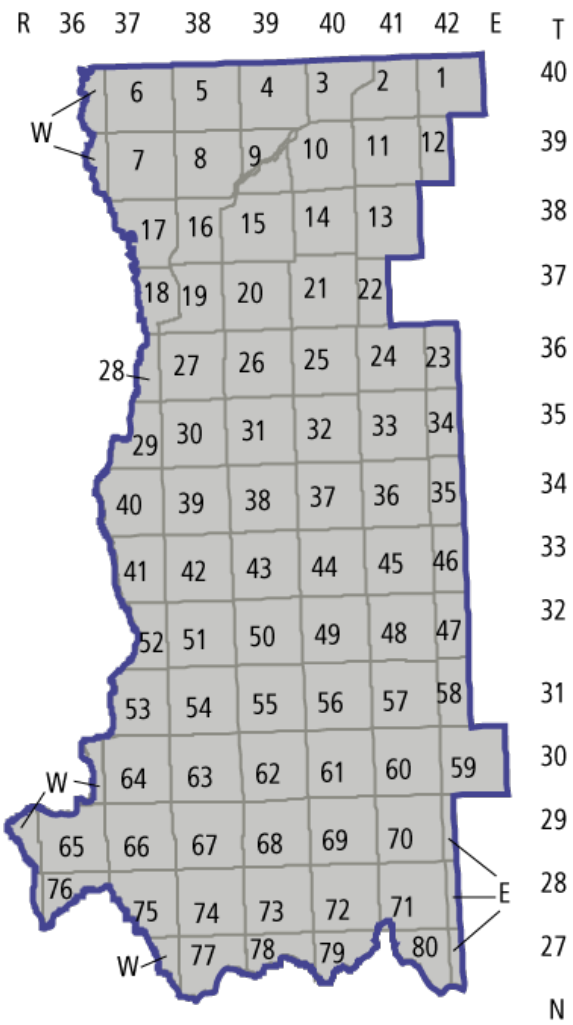

Figure A1. Stevens County showing township and range number on the axes and Culver System numbers on the interior. Each county was renumbered in this manner, with an index document needed in order to determine where each point was located.

Adams	A
Asotin	An
Benton	B
Chelan	Cn
Clallam	Cm
Clark	Ck
Columbia	Ca
Cowlitz	C
Douglas	D
Ferry	F
Franklin	Fn
Garfield	G
Grant	Gt
Grays Harbor	Gh
Island	I
Jefferson	J
King	K
Kitsap	Kp
Kittitas	Ks
Klickitat	Kt
Lewis	L
Lincoln	Ln
Mason	M
Okanogan	Ok
Pacific	Pf
Pend Oreille	P
Pierce	Pe
San Juan	SJ
Skagit	St
Skamania	Sa
Snohomish	Sh
Spokane	Se
Stevens	S
Thurston	T
Wahkiakum	Wm
Walla Walla	Ww
Whatcom	W
Whitman	Wn
Yakima	Y

Table A1. County codes used in the Culver System.

Part 2— Township Numbers According to Culver System

Within each county, townships were numbered in a manner similar to sections within a township (1-99+). Not every partial township got a number. Instead, some were labeled with E, W, N, or S.

S 21 01.39

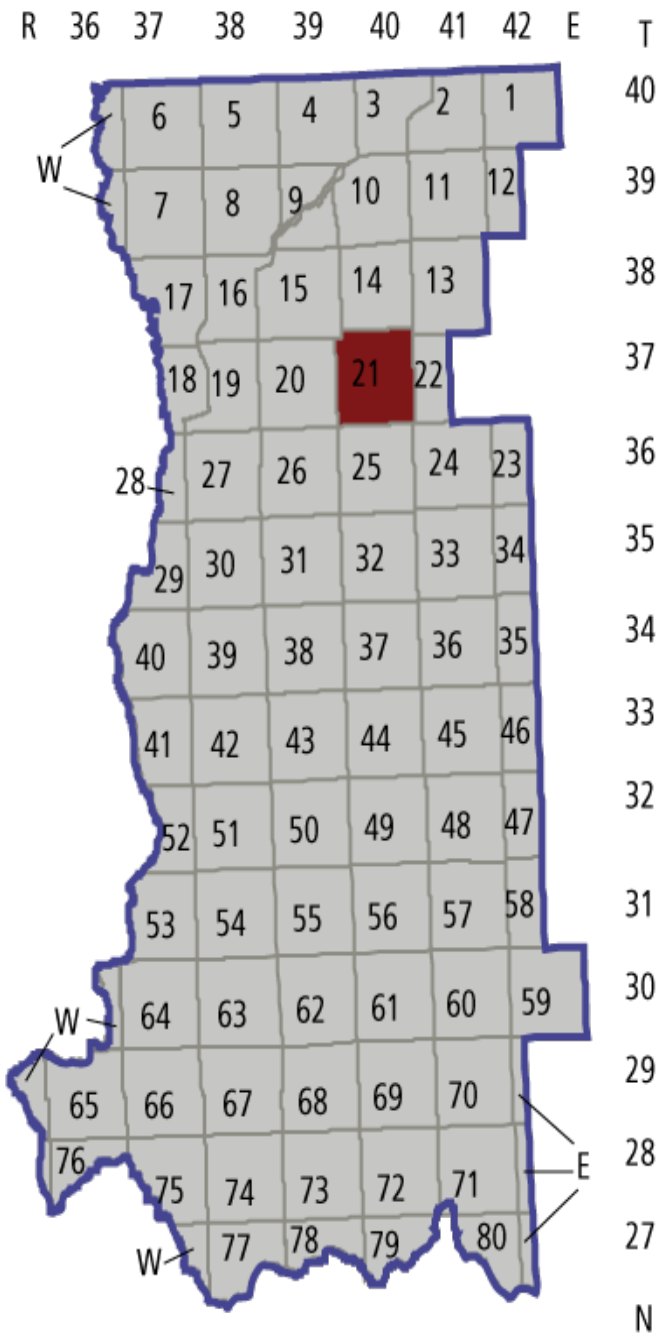

Figure A2. Index map of Steven's County, showing the grid cell referred to in the Culver code. A collection of index maps such as these are needed in order to locate a point using the Culver System.

Part 3— Section Number

This two-digit number indicates the section standard to the TRS system.

S21 01.39

Figure A3. Gridded sub-units of a Culver township.

Part 4—Location Within Section

The final two-digit number after the decimal point indicates the location within a section, broken down as follows:

1. The section is divided into a 10x10 grid, north–south and east–west. Each grid cell represents approximately 500 ft.
2. Starting at the southwest corner, effectively 0,0, the section is labeled 0–9 in both directions
3. Code .39 would be located as 3 squares to the right of 0, and 9 squares north of the 3.

Blocks 1 through 36 represent an unaltered division of a township into sections. Section 1 is shown further broken down by the Culver System to find a specific location without using the standard quarter or quarter quarter section descriptions that are typical elsewhere.

S2101 .39

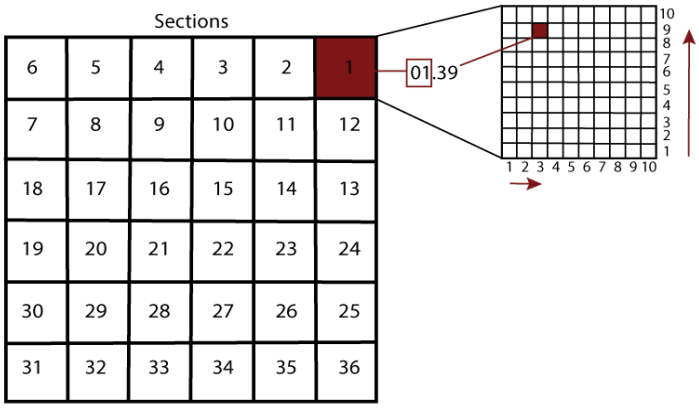

Figure A4. Further subdivision of Culver sections.

THE MODIFIED CULVER SYSTEM

The Modified Culver System uses the TRS system to indicate roughly where the location is, but uses the standard Culver System numbering to pinpoint the exact location. Here is an example for how Culver System location code S2101.39 would be represented using the Modified Culver System. As shown below, the corresponding Modified Culver System location code 3740E01.39 returns to using the TRS with the added precision of the Culver System subsection code.

Part 1—County

No county is identified in the modified system. Omit the county.

3740E01.39

Part 2— Township Number

Use the actual township number.

37 40E01.39

Use the range number indicating E or W. Note: No N or S direction is indicated because all townships are north of the Willamette base line and therefore assume N.

37 **40E** 01.39

Part 3— Section Number

Same as in the Culver System.

3740E **01**.39

Part 4—Location Within Section

Same as in the Culver System.

3740E01 **.39**

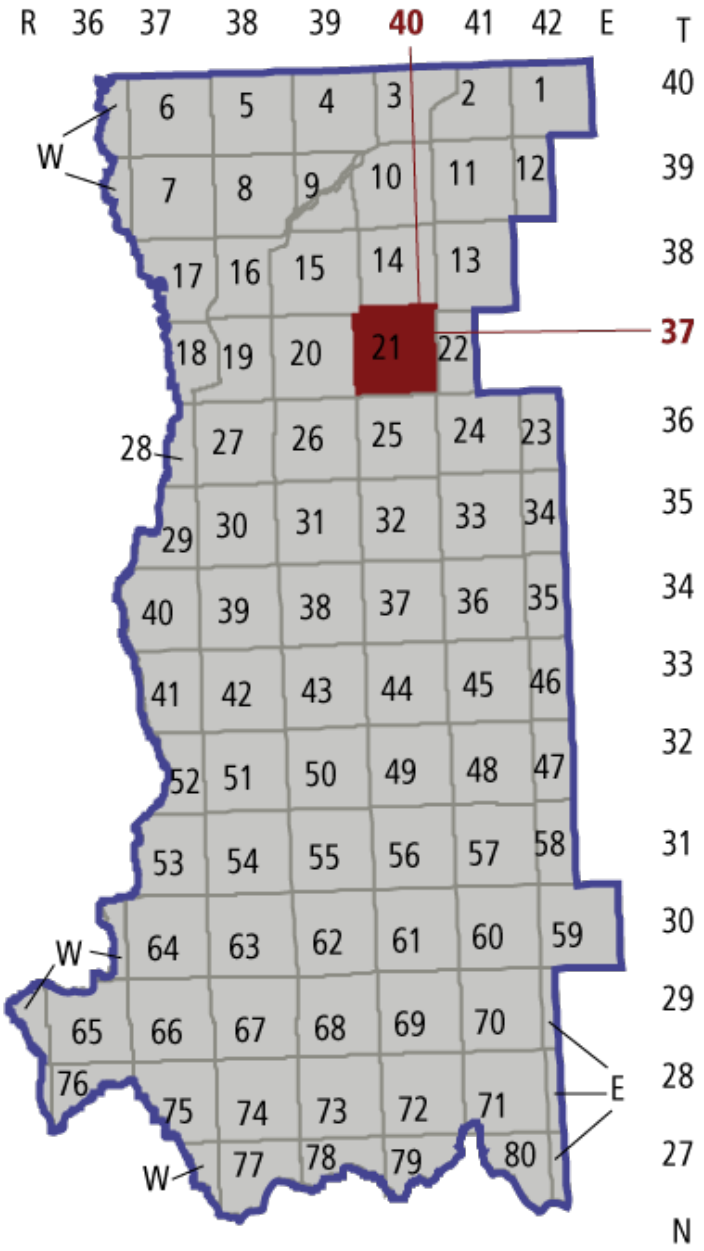

Figure A5. Index map of Steven's County, showing how the TRS system of numbering can also be used to pinpoint a township within the Modified Culver System.

GOOD TO KNOW

1. Not all sections and townships are squares. Locations were approximated based on a grid.
2. Transparent templates were historically created to overlay paper maps at different scales. This allowed the Culver System to be accurately implemented on different scale paper maps.
3. Many sections and townships have been redrawn over the years. Many of these locations that no longer exist on a map can be approximated using the traditional TRS grid or by tracing lines from nearby counties whose lines have not been altered (as shown below).

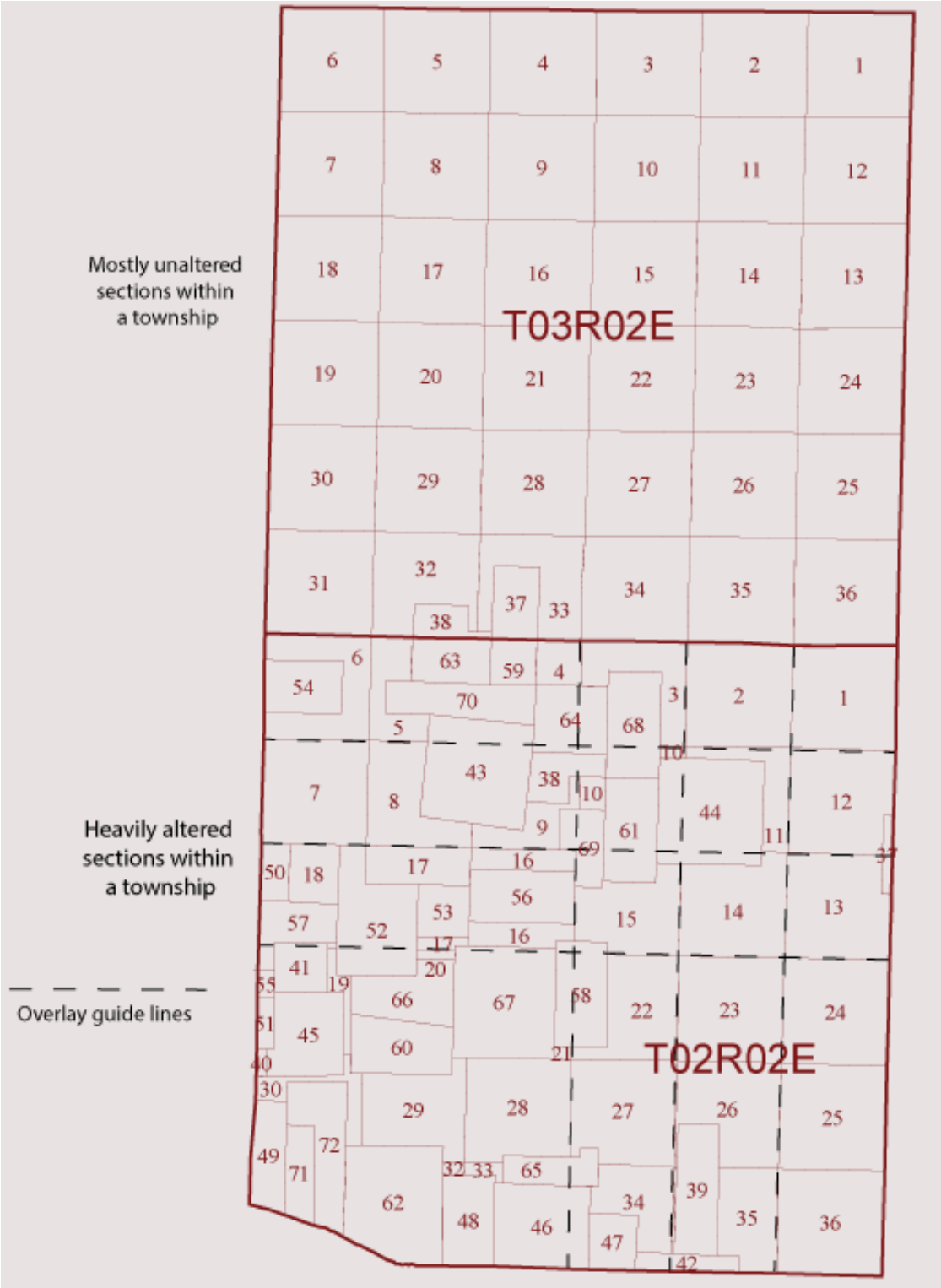

Figure A6. Dashed lines showing template guide lines. A user would overlay guide lines to an altered section to produce an accurate location from historical notes.