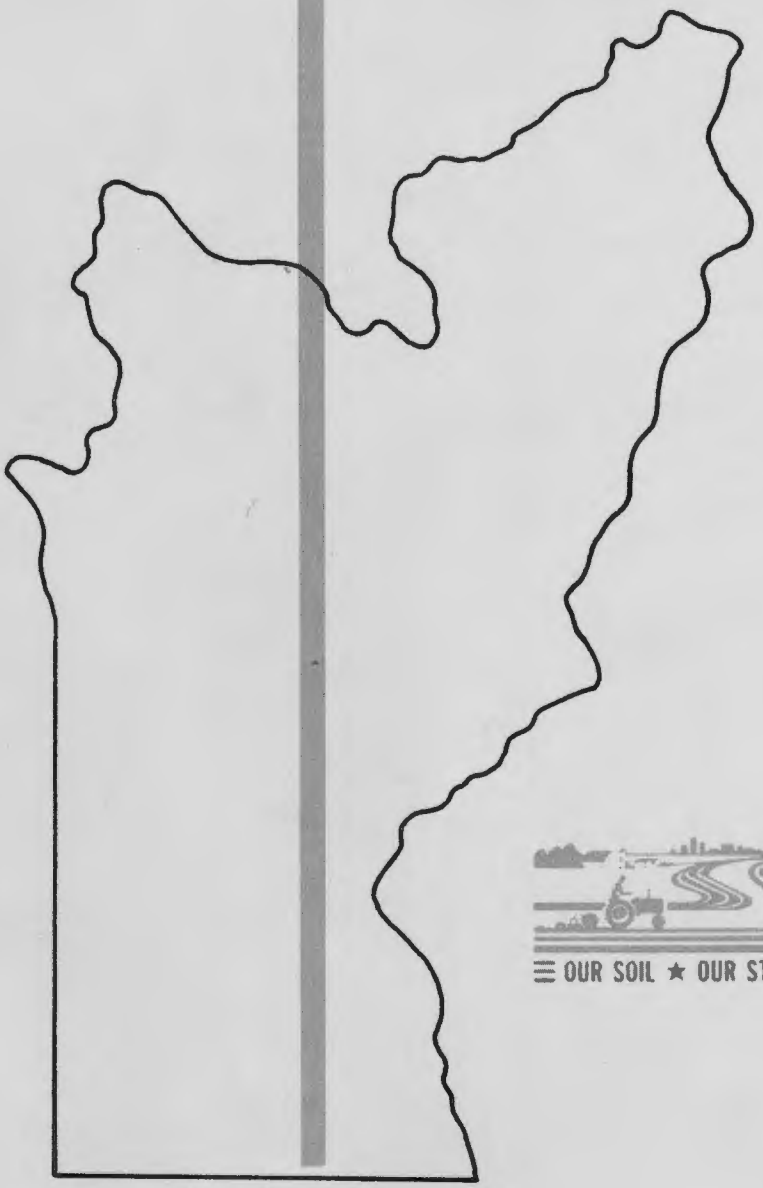
CLIMATE of TRINITY COUNTY



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CALIFORNIA

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

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CLIMATE OF TRINITY COUNTY

Prepared
from the records
of the

UNITED STATES WEATHER BUREAU

by

James G. Barrett, Conservationist

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
REDDING, CALIFORNIA

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FOREWORD

In the preparation of this summary, all available weather records were used, including those from adjoining counties. Most of the records are those provided by the United States Weather Bureau.

The tabulated values in these tables are from records of different lengths, and cover different years. For these reasons, comparisons between stations may be made in general terms, but not in precise detail. The maps are also generalized and cannot show the detailed patterns that actually exist.

Thanks are due all people who have measured and recorded the weather conditions throughout the years. Their records have made this summary possible. It is hoped that this information will be helpful toward the industrial, commercial, agricultural, and recreational growth of Trinity County.

GLOSSARY OF TERMS

Highest Maximum:	The highest maximum reading in a given period of record used in this summary.
Mean Maximum:	The average of all the maximum readings in a given period of record used in this summary.
Mean Temperature:	The average computed from the mean maximum and the mean minimum for a given period of record used in this summary.
Mean Minimum:	The average of all the minimum readings in a given period of record used in this summary.
Lowest Temperature:	The lowest minimum reading in a given period of record used in this summary.
Precipitation:	Moisture falling from the air to the ground, whether liquid or frozen form. If it falls in frozen form, the melted liquid moisture content is used as a measure of the precipitation.
Snowfall:	The depth of new snow as it lies on the ground or on top of previous snow cover.
Years of Record:	The years of record used in computing the tables and illustrations used in this summary.

CLIMATE

Trinity County is characterized by moderate temperatures and considerable precipitation. Temperatures in the valleys are pleasantly warm in the summers and 100° F readings occur frequently, while at higher elevations, temperatures remain lower. Temperatures of 32° F or lower are experienced nearly every winter throughout the area.

Rainfall is experienced each month of the year in most of the years, although amounts are very light in the summer. Seasonal totals average more than 30 inches in the driest areas, and exceed 70 inches in the areas of heavy precipitation. Snowfall is light in the mountain valleys, but at higher elevations, it ranges from 20 to probably more than 80 inches.

Because of the moisture and moderate temperatures, the average relative humidity is high. In the summer, however, it frequently drops to values low enough to create a serious fire hazard. Winds are usually light, and rarely reach speeds of 30 mph. or higher. However, speeds of 50 mph., or more can be expected in some storm situations. Sunshine is abundant during the summer, but there is considerable cloudiness during the winter.

TERRAIN

Trinity County, located in the rugged terrain of the northwestern mountains of California, consists of approximately 2 million acres. It is about 100 miles long, from its northernmost tip to its southern line, and its width from east to west varies from about 25 miles at the narrowest point to about 55 miles at the widest point.

General elevations average over 3,000 feet, and some of the mountain peaks reach to over 8,000 feet. Within the county there are several small river valleys with elevations that range from 1,300 to 2,500 feet. The county is traversed by several deep river canyons and the resulting dissected relief has steep or very steep slopes. The Trinity River, starting in the northeast corner of the county, flows in a southerly direction to the central eastern part of the county. Here it swings west across the county. It flows northwesterly out of the county near Salyer, draining the entire north half of the county. As it leaves the county, it is joined by the south fork of the Trinity River which flows in a northwesterly course along the north side of South Fork Mountain. On the south side of South Fork Mountain, the Mad, and the Van Duzen Rivers parallel each other as they also flow in a northwesterly direction. In the southwest corner of the county, the north fork of the Eel River flows in a southeasterly direction, swings westward through Mendocino County, and joins the main course of the Eel River which crosses through Trinity County in a northwesterly direction.

The landscape west of Forest Glen is characteristic of the dissected relief of the county, while the area near Zenia is representative of areas nearer the coast.

EFFECT OF TERRAIN ON CLIMATE

The southwestern part of the county is influenced by the Pacific Ocean, with its moderating effect on temperatures and its moisture laden air. The influence of the coastal climate on the valleys of the county is limited in its effect by the mountains, and precipitation is much lower. However, in the eastern part of the county, the precipitation increases as the elevation increases.

Because of the uneven topography, each of the weather elements presents a complex pattern, and marked variations are typical. Winds are deflected, and speeds are effected by the terrain. Temperatures, rainfall, and cloudiness are modified by the rise and fall of the air, as it moves across the uneven surface of the area.

Due to the variations, it is essential that any data relating to any given station must be used with caution in estimating the conditions to be expected in nearby areas. The data is useful in estimating conditions, however, and adjustments can be made according to local information.

TEMPERATURE

The mean annual temperatures are related closely to elevation. In the valleys where elevations are 2,500 feet or less, the mean annual temperature is about 50° F. In the higher elevations, the mean annual temperature is about 40° F or lower.

In July, the valleys have a mean temperature of about 70° F with mean maximum of 90° F or more. Extremes of 100° F plus have been reported in most of the valleys. Detailed temperature records are not available for the higher elevations.

In January, the valleys have a mean temperature of about 40° F or lower, with mean minimums of around 30° F or lower. Extremes of below 0° F generally occur.

FREEZES

In the lower elevation valleys of the county, the last 32° F temperature readings in the spring usually occur in May, but in some areas the 32° F readings may occur in June.

The mountain areas usually have their last readings of 32° F in May and June. At the higher elevations, there are numerous areas that have freezing temperatures during any month of the year.

The area near Salyer and China Flat usually has its last 32° F reading by the end of March. The area in the southwest part of the county that is under the influence of the coastal climate, usually has its last 32° F reading in April.

Fall freezes usually occur in most parts of the county by the end of September. 32° F temperature readings in some of the valleys occur in the early part of September. In the area near Salyer and in the southwest part of the county, the first fall freeze is usually delayed until October.

The 32° F growing season of the county is generally in the range between 100 and 150 days. The area near Salyer and in the southwest part of the county has a 32° F growing season ranging from 150 to 200 days.

PRECIPITATION

Precipitation in Trinity County varies considerably from year to year, and is concentrated in the winter half of the year. However, there is usually some precipitation recorded during any month of the year.

The total seasonal precipitation in the county varies from about 30 inches in the central valleys, to 70 inches or more at the higher elevations. In general, it can be said that precipitation is in proportion to elevation in the interior part of the county, with the areas of 3,000 feet elevation or less, receiving 30 to 40 inches of precipitation, and increasing as the elevation increases. The area near Salyer and in the southwest part of the county, under the influence of the coastal climate, receives more precipitation than other low elevation areas of the county.

SNOWFALL

Snowfall in Trinity County, like the precipitation, varies considerably from year to year, and the peak month for snowfall throughout the county is January.

The snowfall also parallels the precipitation to a certain extent, with the high mountain areas receiving 80 inches or more, and the valleys receiving 30 inches or less.

WIND

Winds are generally rather light over most of Trinity County except for winter storms that sometimes bring strong winds as they move across the area. Occasionally, thunderstorms create strong winds within localized areas.

Winds of 50 mph or more have been experienced in combination with some storm situations. These winds occur on the average of once in every two years. Winds of up to 80 mph can be expected to occur on an average of once every fifty years.

The winds over the county are influenced by the local terrain of the mountains and valleys, and vary in their direction, but in general, the wind is usually from the northwest or from the southeast, and occur from one of these directions 80% to 85% of the time.

TABLE 1

WEATHER REPORTING STATIONS USED IN THIS SUMMARY

Station	County	Elev.	S	T	R	Yrs. Temp.	Rcrd. Precip.
Alderpoint	Humboldt	435	27	3S	5E	17	20
Ball Mt. Lookout	Tehama	6500	17	24N	8W		12
Beegum	Shasta	1291	22	29N	9W		16
Big Bar	Trinity	1272	5	33N	12W	9	9
Blocksburg	Humboldt	1700	23	2S	5E	10	10
Bridgeville	Humboldt	2050	27	2N	5E		4
Burnt Ranch	Trinity	1450	10	5N	6E		3
Callahan	Siskiyou	3136	21	40N	8W	10	19
Cecilville	Siskiyou	3000	13	37N	11W	9	9
China Flat	Humboldt	500	4	6N	5E		22
Covelo	Mendocino	1385	12	22N	13W	20	25
Covelo Eel Riv. Sta.	Mendocino	1514	28	23N	11W		20
Cummings	Mendocino	1324	21	23N	16W		30
Dos Rios	Mendocino	927	31	22N	13W		30
Dunsmuir	Siskiyou	2420	13	39N	4W		40
Forest Glen	Trinity	2340	22	1S	8E	20	20
Fort Gaston	Humboldt	397					30
French Gulch	Shasta	1100	22	33N	7W		11
Garberville	Humboldt	340	24	4S	3E		13
Gilta	Siskiyou	3300		9N	7E		6
Hansen Ranch	Humboldt	2600	22	2N	3E		13
Harrison Gulch	Shasta	2710	14	29N	10W		16
Hayfork	Trinity	2340	12	31N	12W	12	12
Hoopa	Humboldt	350	25	8N	4E	4	15
Hyampom	Trinity	1260	25	3N	6E		20
Kneeland	Humboldt	2660	14	3N	2E		8
Lake Mt.	Trinity	3164		5S	7E		21
Lakeshore	Shasta	1075	24	35N	5W	16	16
Laytonville	Mendocino	1640	1	21N	15W		20
Mad River	Trinity	2775	17	1N	6E		9
Mount Shasta	Siskiyou	3544		40N	4W	30	30
Mt. Shasta slope	Siskiyou	7600	30	41N	3W		14
Mumbo Basin	Trinity	5700	35	39N	6W		15
Ono	Shasta	980	2	30N	7W		11
Orleans	Humboldt	403	31	11N	6E	24	30
Paskenta	Tehama	755	4	23N	6W		25
Rosewood	Tehama	865	17	28N	6W		11
Saddle Camp	Tehama	3850	30	27N	8W		14
Salyer	Trinity	623	14	6N	5E	6	29
Sawyers Bar	Siskiyou	2169	20	40N	11W		21
Shasta	Shasta	1050		32N	6W	10	17
Somesbar	Humboldt	550	4	11N	6E		6
Trinity Center	Trinity	2295	5	36N	7W		18
Trinity Dam Vista	Trinity						3
Vollmers	Shasta	1359	34	36N	5W	9	25
Weaverville	Trinity	2050	7	33N	9W	22	22
Weitchpec	Humboldt	1700	2	10N	4E	7	7
Zenia	Trinity	2960	15	3S	6E	6	6

TABLE 2

AVERAGE MONTHLY AND SEASONAL PRECIPITATION

Station	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Febr	Mar	Apr	May	June	Season
Alderpoint	.02	.24	.61	4.14	6.15	10.17	10.18	8.73	6.09	3.49	2.26	.69	52.77
Ball Mt. Lookout	.05	.22	.66	2.68	4.59	7.35	8.56	7.20	4.81	2.42	1.52	.46	40.52
Beegum	.10	.30	.54	2.03	3.42	6.35	4.75	4.09	3.83	2.41	1.45	.58	29.85
Big Bar	.38	.14	.68	3.66	4.90	6.88	6.27	5.07	4.43	1.79	1.40	1.01	36.61
Blocksburg	.10	.05	.65	4.62	6.81	12.50	12.13	9.37	8.86	4.13	3.02	1.00	63.24
Bridgeville	.07	.21	.83	4.99	8.02	12.56	12.84	10.65	8.76	5.21	3.82	1.54	69.50
Burnt Ranch	.16	.69	.22	5.56	8.29	10.22	5.93	5.49	6.36	4.36	1.36	.38	49.01
Calahan	.56	.44	.56	2.22	2.76	3.40	3.07	3.16	1.90	.87	1.26	.91	20.91
Cecilville	.26	.96	.84	5.00	4.85	7.07	7.74	7.95	4.59	1.71	2.47	1.02	44.46
China Flat	.20	.03	.62	3.26	5.56	9.64	8.44	6.70	5.88	2.93	2.30	.88	46.44
Covelo	.06	.12	.62	2.49	4.84	7.40	8.18	6.91	5.11	2.36	1.32	.56	39.97
Covelo Eel Riv. Sta.	.23	.11	.73	2.00	4.08	7.16	9.14	7.58	4.54	2.86	1.77	.46	40.66
Cummings	.05	.10	.69	4.73	8.44	13.89	14.52	11.19	8.97	4.37	3.04	.95	70.94
Dos Rios	.05	.08	.51	2.93	4.99	9.54	9.93	8.10	5.95	2.80	1.60	.61	47.09
Dunsmuir	.31	.18	1.01	3.71	6.36	9.41	11.40	8.60	8.10	3.76	2.98	1.30	57.12
Forest Glen	.35	.03	.67	3.56	6.71	12.48	10.50	8.75	7.72	3.87	2.71	.92	58.27
Fort Gaston	.14	.09	.82	2.65	7.04	10.52	10.38	7.98	7.44	4.67	1.95	.81	54.49
French Gulch	.23	.42	1.05	2.10	4.56	6.30	7.48	7.03	4.92	2.88	2.08	.92	39.97
Garberville	.04	.21	.92	4.66	6.60	9.21	11.68	9.85	7.61	4.40	2.30	.86	58.34
Gilta	.25	.36	1.64	2.32	8.73	7.87	13.91	5.79	3.14	4.08	3.14	1.13	52.36
Hansen Ranch	.15	.09	.65	5.15	8.26	12.34	9.74	8.91	7.28	3.92	3.38	1.29	61.16
Harrison Gulch	.21	.31	.57	2.69	3.86	6.38	6.87	5.14	4.06	2.41	1.63	1.50	35.63
Hayfork	.21	.10	.41	2.75	3.75	7.05	5.29	3.53	3.91	1.42	1.42	.78	30.65
Hoopa	.08	.38	.98	4.47	6.75	9.84	11.60	9.17	7.48	3.20	2.39	.85	57.25
Hyampom	.14	.10	.57	3.30	4.76	8.23	8.69	7.18	4.93	2.26	1.74	.62	42.52

AVERAGE MONTHLY AND SEASONAL PRECIPITATION (cont.)

Station	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Febr	Mar	Apr	May	June	Season
Kneeling	.06	.26	.65	4.33	6.74	10.79	11.88	9.63	7.65	4.69	2.98	.99	60.65
Lake Mt.	.08	.21	.73	4.04	6.87	9.83	10.81	8.51	6.97	3.90	2.69	.82	55.46
Lakeshore	.25	.51	1.27	5.11	7.60	11.00	13.31	12.75	8.63	5.13	3.22	1.73	70.51
Laytonville	.05	.15	.56	3.99	6.75	10.23	11.45	8.86	6.76	3.54	1.99	.58	54.91
Mad River	.20	.09	.78	5.39	7.70	10.56	8.55	7.24	7.60	3.34	2.13	1.09	54.67
Mount Shasta	.30	.18	.87	2.44	3.97	6.22	6.36	5.91	4.46	2.77	1.99	1.25	36.72
Mt. Shasta Slope	.52	.49	1.73	4.57	7.15	9.58	12.53	11.34	8.29	4.85	3.60	1.50	66.15
Mumbo Basin	.70	.60	1.44	4.27	6.45	9.03	9.95	9.21	6.67	3.39	2.92	1.62	56.25
Ono	.15	.44	.74	1.51	4.39	6.68	7.94	6.07	4.47	2.56	1.72	1.02	37.69
Orleans	.24	.08	.87	3.76	6.53	9.79	9.76	7.39	6.25	3.08	2.50	.97	51.22
Paskenta	.09	.11	.35	1.39	2.20	4.20	4.20	4.22	3.34	1.90	.93	.52	23.45
Rosewood	.07	.04	1.00	1.73	3.28	4.16	5.98	3.98	3.36	2.00	1.52	.34	27.46
Saddle Camp	.09	.20	.66	2.50	2.78	5.68	7.07	5.76	3.29	2.18	1.74	.55	32.50
Salyer	.13	.20	.68	3.22	5.79	9.05	9.46	8.22	6.15	2.76	2.22	.82	48.70
Sawyers Bar	.37	.33	.74	3.91	5.75	7.65	9.11	6.41	5.14	2.15	2.13	1.18	44.87
Shasta	.07	.04	1.32	2.81	6.06	6.78	12.27	9.30	7.99	3.75	2.71	.70	53.80
Somesbar	.25	.11	1.02	4.40	7.75	11.32	11.11	8.32	7.36	3.47	2.92	1.77	59.80
Trinity Center	.34	.36	.78	3.33	5.62	7.53	9.73	7.67	5.26	3.23	2.46	1.15	47.56
Trinity Dam Vista	.12	.47	.47	4.36	7.43	7.59	4.06	4.91	3.15	2.20	.94	.65	36.25
Vollmers	.18	.42	1.17	5.11	7.13	11.64	12.65	12.85	8.83	5.03	3.32	1.51	69.84
Weaverville	.22	.10	.46	2.67	4.24	7.28	6.48	5.21	4.18	2.30	1.54	1.00	35.68
Weitchpec	.99	.06	2.12	3.76	12.78	11.30	16.30	10.47	5.77	5.04	3.79	1.04	73.38
Zenia	.21	.04	1.38	5.34	9.87	12.35	12.66	11.05	8.70	5.81	3.00	1.29	71.70

TABLE 3

TEMPERATURE MEANS AND EXTREMES

Station / Data	Jan	Febr	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
Alderpoint													
Highest	72	81	88	98	102	108	111	114	113	102	80	78	114
Mean Maximum	53.0	58.0	62.5	69.6	75.0	81.4	91.8	90.6	86.8	74.7	61.4	53.4	71.5
Mean Temperature	44.5	47.9	50.7	55.9	60.4	65.5	72.3	71.6	67.9	60.0	51.1	45.6	57.8
Mean Minimum	35.9	37.8	38.8	42.1	45.7	49.7	52.8	52.5	48.9	45.2	40.7	37.8	44.0
Lowest	16	22	25	29	32	32	40	40	31	27	22	20	16
Blocksburg													
Highest	69	75	88	94	93	104	107	107	104	96	80	72	107
Mean Maximum	48.4	54.2	59.3	64.9	68.3	75.9	85.9	86.7	80.0	74.7	58.8	50.8	67.4
Mean Temperature	40.7	45.0	47.7	51.6	54.9	60.2	67.7	67.7	62.7	58.2	48.4	42.8	54.0
Mean Minimum	32.6	35.3	36.2	38.4	40.9	44.5	49.5	48.8	45.4	41.6	38.1	34.8	40.5
Lowest	16	20	21	25	29	31	37	37	34	28	23	20	16
Callahan													
Highest	62	71	82	85	98	103	106	105	105	91	73	65	106
Mean Maximum	44.9	50.5	56.1	65.8	72.9	84.3	93.1	89.9	83.0	68.9	54.2	45.5	67.4
Mean Temperature	34.4	38.9	42.3	48.7	54.9	63.7	70.4	68.0	61.6	51.3	40.9	35.0	50.8
Mean Minimum	23.8	27.1	28.4	31.5	36.8	43.1	47.6	46.0	40.2	33.6	27.5	24.5	34.2
Lowest	-6	4	10	18	21	28	34	32	26	17	4	8	-6
Cecilville													
Highest	65	73	83	85	92	102	107	108	100	95	80	70	108
Mean Maximum	46.5	51.4	53.5	66.2	70.4	81.2	91.6	88.0	83.2	70.3	56.0	48.4	67.2
Mean Temperature	36.6	40.0	41.3	49.4	53.9	62.3	69.7	67.1	63.0	53.8	43.4	38.6	51.6
Mean Minimum	26.6	28.6	29.0	32.6	37.3	43.3	47.8	46.1	42.7	37.2	30.7	28.8	35.9
Lowest	2	12	12	19	24	25	34	35	24	24	14	8	2

TEMPERATURE MEANS AND EXTREMES (Cont.)

Station / Data	Jan	Febr	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
China Flat													
Highest	71	73	84	95	102	107	109	112	105	92	80	67	112
Mean Maximum	49.3	55.5	62.6	71.0	77.6	83.9	91.8	91.5	85.1	70.5	57.7	50.3	70.6
Mean Temperature	41.5	45.7	50.4	56.0	61.3	66.5	72.2	71.3	66.5	57.0	47.9	43.5	56.7
Mean Minimum	33.7	36.0	38.2	41.0	45.0	49.0	52.6	51.2	47.9	43.6	38.2	36.6	42.8
Lowest	10	18	24	28	33	37	40	40	32	25	18	9	9
Covelo													
Highest	71	79	85	93	103	108	111	110	114	102	88	71	114
Mean Maximum	50.5	56.4	61.1	67.9	76.3	84.9	95.4	94.1	89.6	76.2	61.7	51.8	72.2
Mean Temperature	40.3	44.4	47.9	52.9	59.3	66.1	73.8	71.8	67.4	57.7	47.6	41.8	55.9
Mean Minimum	30.0	32.3	34.7	37.9	42.3	47.3	52.1	49.5	45.2	39.1	33.4	31.8	39.6
Lowest	7	10	18	22	28	32	40	37	28	20	14	12	7
Forest Glen													
Highest	65	80	80	98	96	106	107	104	98	94	81	71	107
Mean Maximum	44.5	50.4	57.9	66.4	73.5	80.0	90.3	89.9	84.6	70.5	54.4	45.5	67.3
Mean Temperature	35.4	39.5	44.3	50.0	55.6	60.6	70.6	69.6	60.3	49.6	38.7	31.2	48.8
Mean Minimum	26.3	28.6	30.7	33.5	37.8	41.3	45.1	42.4	38.8	34.4	30.1	28.6	34.7
Lowest	-2	4	13	17	25	24	32	31	26	18	14	-2	-2
Hoopa													
Highest	65	68	83	88	92	108	108	110	99	90	71	69	110
Mean Maximum	52.0	55.5	60.1	67.7	69.4	85.8	93.4	90.2	83.9	71.4	58.0	52.1	70.0
Mean Temperature	43.7	46.8	49.4	54.9	57.1	68.0	73.3	71.3	66.1	58.6	48.5	44.8	56.9
Mean Minimum	35.4	38.2	38.7	42.2	44.8	50.1	53.1	52.3	48.2	45.7	39.0	37.4	43.8
Lowest	12	19	29	33	34	38	42	40	37	30	22	23	12

TEMPERATURE MEANS AND EXTREMES (Cont.)

Station / Data	Jan	Febr	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
Lakeshore													
Highest	78	83	95	98	102	109	109	111	115	102	94	82	115
Mean Maximum	52.8	57.9	62.0	71.5	77.1	86.7	95.8	94.2	89.5	76.4	64.5	56.2	73.7
Mean Temperature	42.6	46.0	48.8	56.5	62.1	70.5	76.9	74.8	70.6	60.3	51.3	45.4	58.8
Mean Minimum	32.4	34.0	35.5	41.5	47.0	54.2	58.0	55.4	51.6	44.2	38.1	34.5	43.9
Lowest	12	16	23	25	31	36	44	43	35	26	23	15	12
Mt. Shasta													
Highest	65	71	78	84	91	96	100	101	103	92	80	72	103
Mean Maximum	41.4	46.5	52.1	60.3	67.7	74.9	85.3	84.7	78.4	65.6	52.5	44.6	62.8
Mean Temperature	33.3	37.0	41.2	47.5	53.8	60.3	68.0	66.7	61.5	51.9	41.8	35.9	49.9
Mean Minimum	25.1	27.5	30.2	34.6	39.9	45.7	50.7	48.6	44.5	38.2	31.0	27.2	36.9
Lowest	-3	0	11	10	21	25	31	34	26	17	11	-8	-8
Orleans													
Highest	67	71	86	96	102	108	113	115	107	96	79	72	115
Mean Maximum	49.9	55.8	61.8	70.7	76.6	84.4	94.0	92.9	87.5	71.5	57.7	50.6	71.1
Mean Temperature	42.0	46.3	49.8	55.5	60.4	66.1	72.9	72.0	67.6	57.8	48.5	43.5	56.9
Mean Minimum	34.1	36.7	37.7	40.2	44.2	47.7	51.8	51.0	47.6	44.1	39.3	36.4	42.6
Lowest	15	17	22	25	32	33	40	40	28	25	20	16	15
Salyer													
Highest	62	70	85	89	97	108	110	111	109	97	74	62	111
Mean Maximum	50.7	55.5	61.4	69.2	74.8	85.6	94.9	92.4	85.9	75.3	57.3	51.2	71.2
Mean Temperature	42.2	46.1	49.3	54.8	58.7	68.1	72.7	72.2	67.0	59.4	46.9	53.1	57.0
Mean Minimum	33.6	36.7	37.1	40.4	44.5	50.5	54.3	51.9	48.1	43.5	36.5	35.0	42.7
Lowest	20	22	25	32	35	38	41	41	36	29	20	22	20

TEMPERATURE MEANS AND EXTREMES (Cont.)

Station / Data	Jan	Febr	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
Shasta													
Highest	79	85	97	100	108	109	119	117	110	102	95	80	119
Mean Maximum	58.6	58.9	62.9	76.5	82.5	91.6	100.3	99.2	93.5	84.5	70.8	59.6	78.2
Mean Temperature	46.0	47.4	50.7	60.3	64.6	73.8	81.4	79.8	75.0	66.3	55.3	46.2	62.2
Mean Minimum	33.3	35.9	38.4	44.2	46.7	55.9	62.4	60.5	56.5	48.0	39.8	32.7	46.2
Lowest	17	20	22	24	30	35	39	45	34	31	21	13	13
Vollmers													
Highest	73	89	89	95	102	106	114	113	105	95	85	80	114
Mean Maximum	50.7	59.1	64.1	72.3	77.1	83.3	93.4	92.1	84.0	75.7	62.0	53.7	72.3
Mean Temperature	42.9	46.5	49.8	57.1	64.5	70.8	77.6	76.3	69.2	60.1	51.4	45.0	59.3
Mean Minimum	34.3	37.2	36.6	44.0	49.6	51.7	57.8	60.6	52.9	45.6	39.2	35.1	45.4
Lowest	15	15	24	31	30	32	37	42	37	31	25	20	15
Weaverville													
Highest	72	79	85	94	102	113	112	116	110	102	89	73	116
Mean Maximum	46.6	52.8	59.4	68.4	76.6	84.4	94.3	93.7	87.5	73.3	57.7	46.6	70.1
Mean Temperature	36.6	40.9	45.4	51.6	58.3	64.5	71.6	69.6	64.4	54.7	44.5	38.5	53.4
Mean Minimum	26.6	28.9	31.3	34.8	40.0	44.6	48.7	45.5	41.3	35.9	31.2	30.4	36.6
Lowest	-7	0	13	18	22	30	34	32	23	17	13	-5	-7

TABLE 4

AVERAGE MONTHLY AND SEASONAL SNOWFALL
(inches)

Station	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Season
Alderpoint				0.1	0.1	0.3	T	T	T	0.5
Beegum			0.1	2.2	4.9	1.2	0.8	T		9.2
Big Bar				1.9	8.2	4.4	0.6	T		15.1
Blocksburg			0.1	7.4	18.0	3.4	5.9	0.2		35.0
Bridgeville Hansen Ranch			0.7	5.3	14.8	11.7	8.8	3.8	0.4	40.2
Callahan	T	0.1	1.6	4.1	8.0	3.1	4.1	0.7	0.4	22.1
Cecilville			2.6	6.0	12.7	2.0	6.8	0.6	1.0	31.7
China Flat			T	0.6	3.9	1.4	0.2		T	6.1
Covelo			0.3	0.4	3.6	1.9	0.4	0.1		6.7
Covelo Eel River				2.7	2.7	0.3	0.5	T		6.2
Cummings			0.1	0.8	3.8	2.0	0.8	0.1		7.6
Dos Rios					0.2	0.1				0.3
Dunsmuir			2.2	12.1	32.8	11.3	9.8	0.2		68.4
French Gulch			1.3	0.4	2.8	0.9	1.6	0.2		7.2
Forest Glen		T	0.5	6.7	13.8	8.2	2.9	0.6	T	32.7
Harrison			2.5	9.6	27.5	9.4	7.8	1.6	0.1	58.5
Hayfork				6.0	18.9	3.4	0.3			28.6
Hoopa			0.1	0.3	T					0.4
Lakeshore			1.3	1.5	9.6	4.7	1.4	0.4		18.9
Mad River			T	6.6	15.3	11.6	15.0	1.5	0.4	50.4
Mt. Shasta		0.3	3.4	19.2	31.1	19.7	14.7	6.4	1.3	96.7
Ono			0.7	T	0.9	0.1	0.6			2.3
Orleans			0.6	0.8	2.8	1.4	0.6	T	T	6.2
Paskenta				0.8	1.2					2.0
Rosewood				0.4	5.0	1.9	0.9			8.2
Salyer		T	0.2	0.6	1.5	0.9	T			3.2
Sawyers Bar		0.1	2.4	3.9	11.7	6.1	4.1	0.2	0.3	28.8
Shasta			0.3	3.4	7.3	1.5	0.5			13.0
Vollmers			1.0	1.6	11.2	5.0	2.6	0.3		21.7
Weaverville		T	0.6	5.5	14.8	7.1	3.3	T	T	31.3
Weitchpec			0.4	15.8	22.6	7.6	4.2	0.9	T	51.5

T - Trace

Figure 1. Locations of Weather Reporting Stations

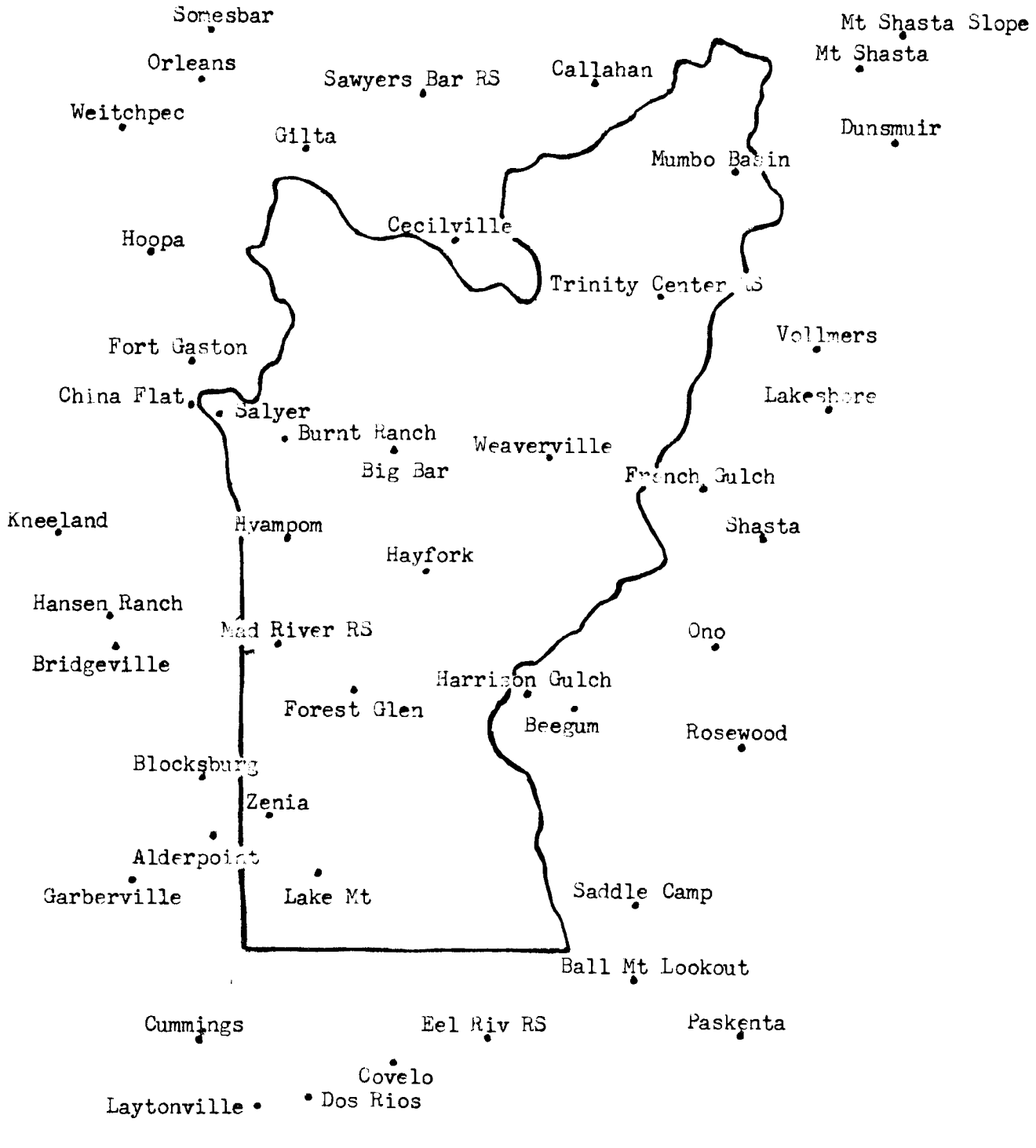

Figure 2

Average Seasonal Precipitation
(inches)

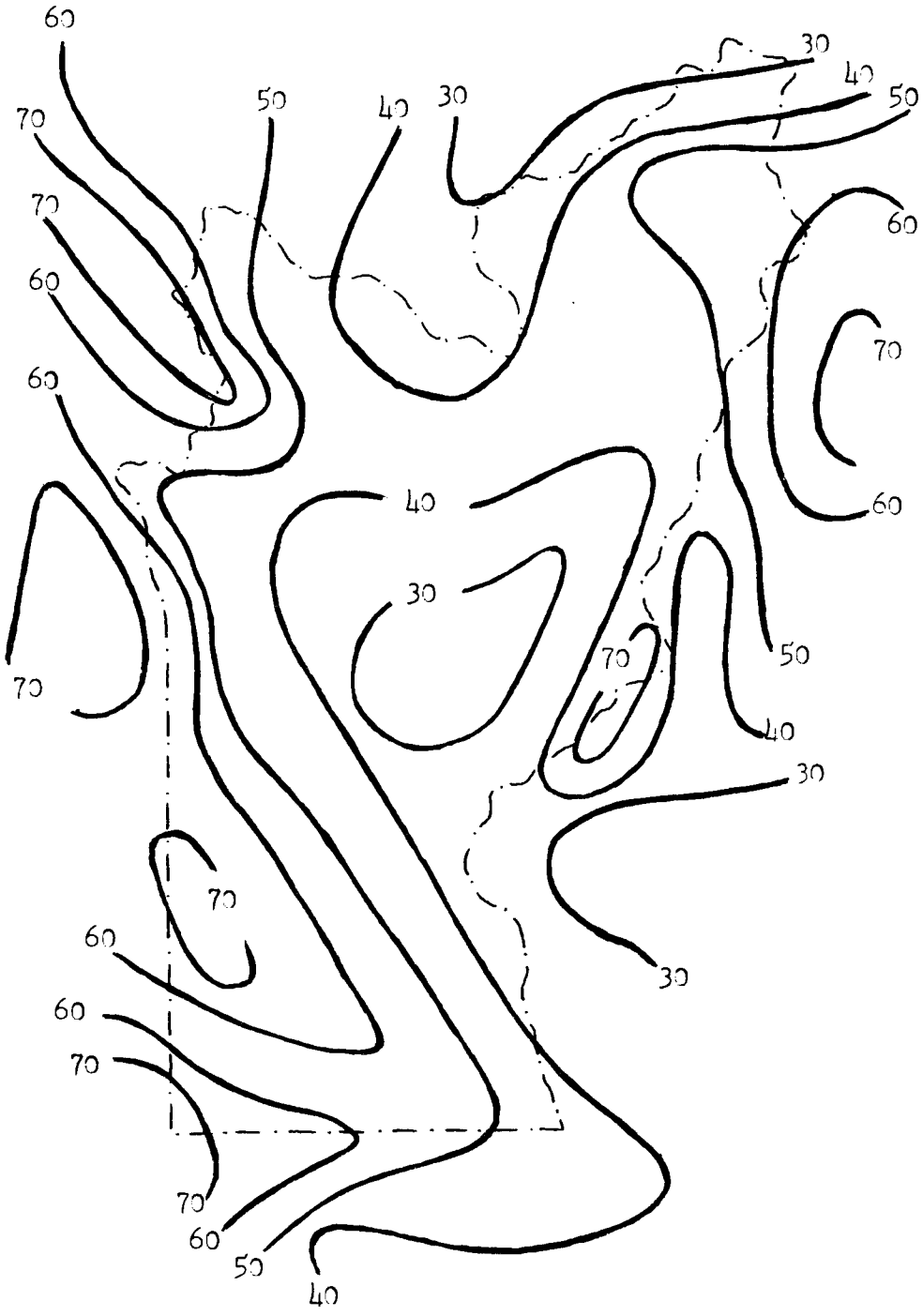

Figure 3

Average Seasonal Snowfall
(inches)

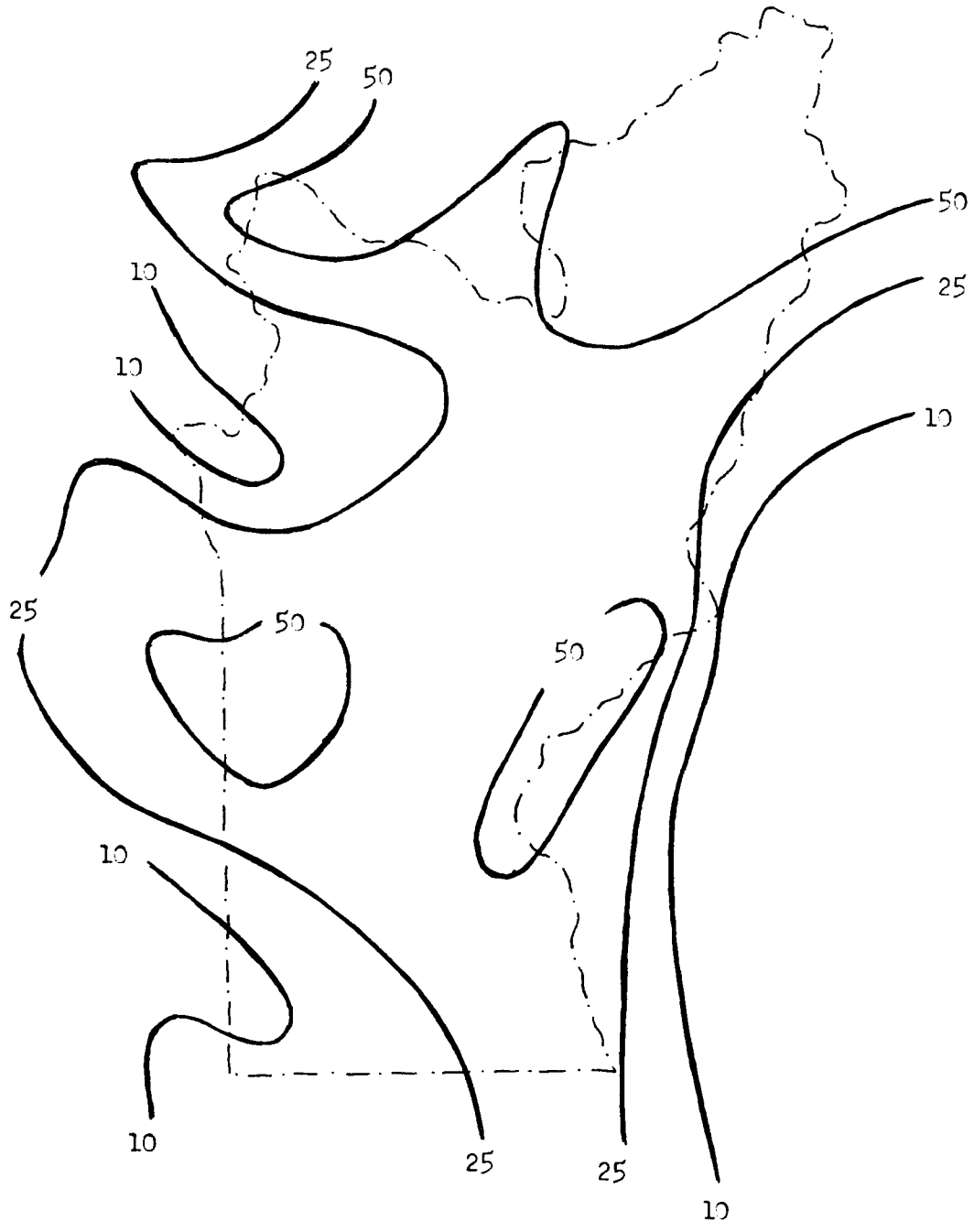

Figure 4

Average Date of First 32°F Freeze in Fall
(date)

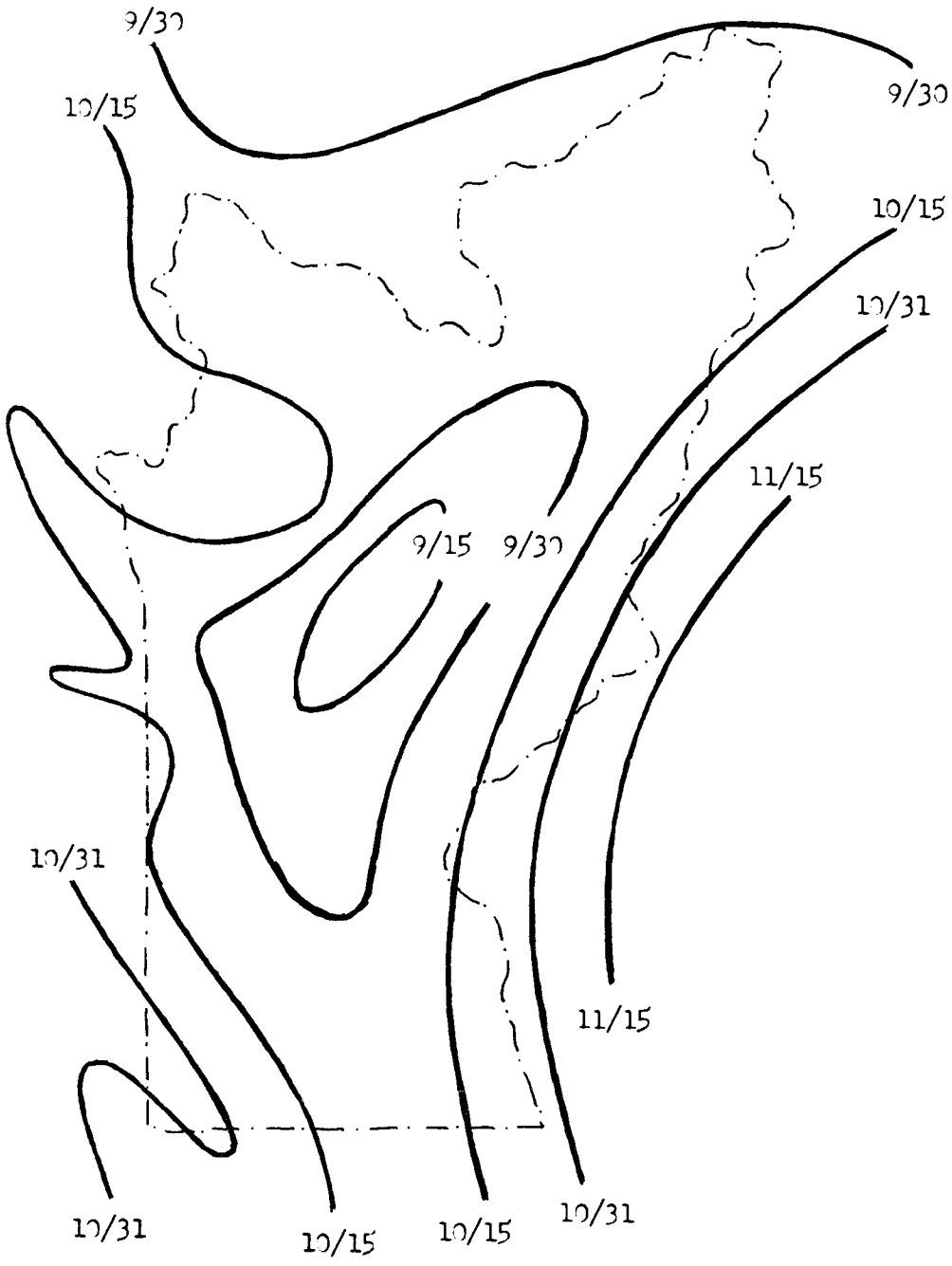

Figure 5

Average Date of Last 32°F Freeze in Spring
(date)

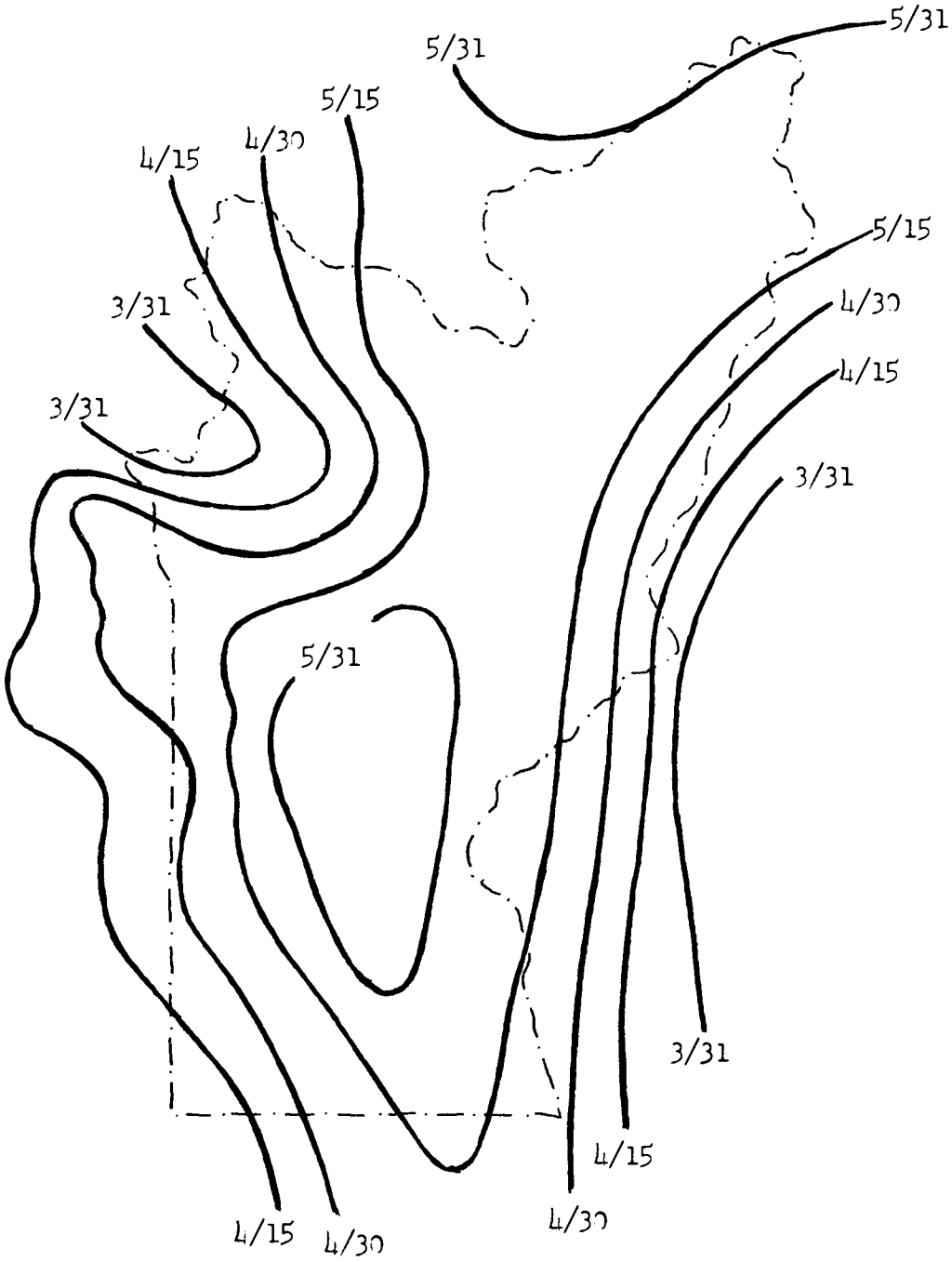

Figure 6

Average Length of 32°F Growing Season
(days)

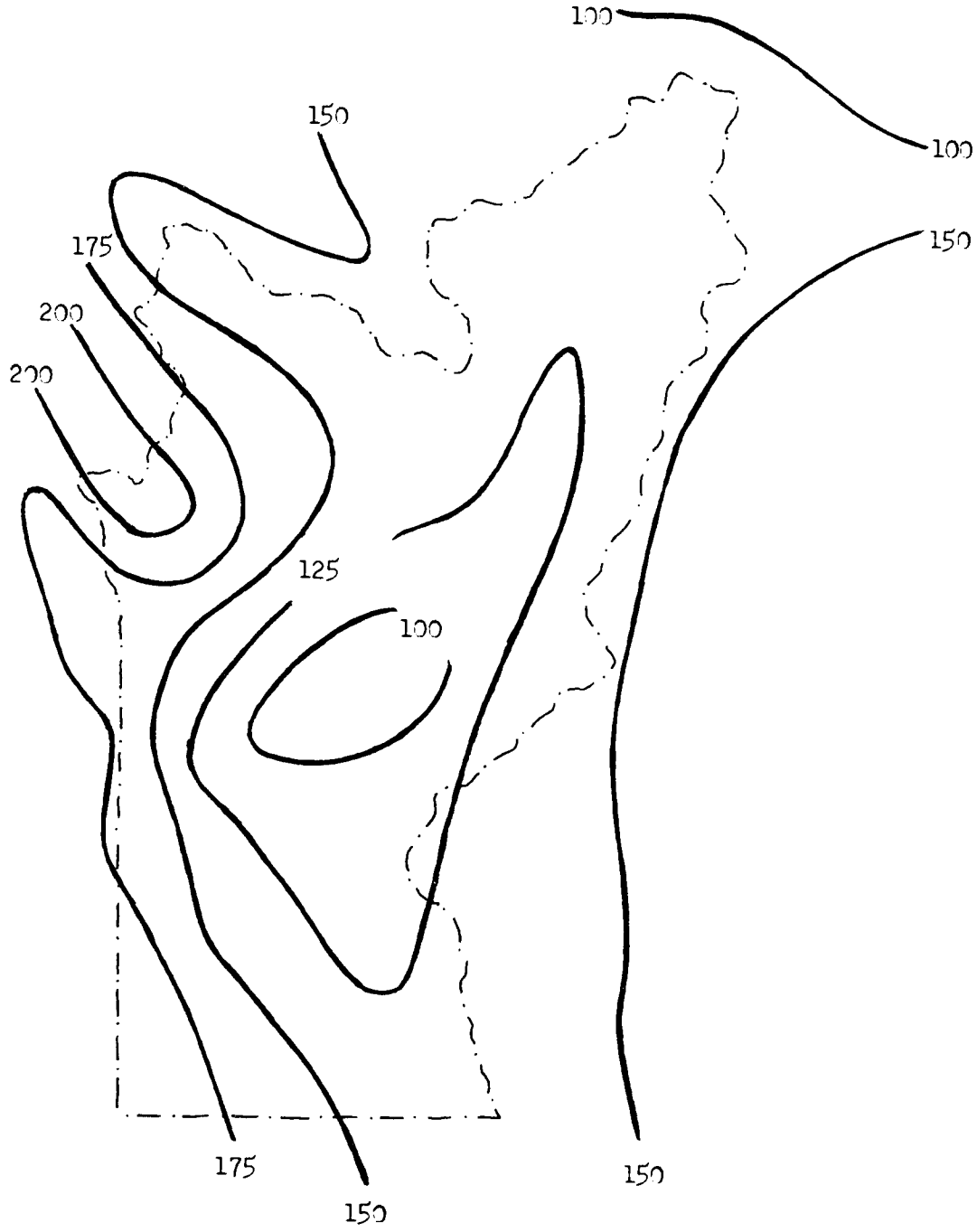

Figure 7

Topography