Chateau du Lac, Inc.
180 Park Road
P.O. Box 709
Burlingame, CA 94010
(415) 342-6364

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2020

December 20, 1982

Director
Bureau of Alcohol, Tobacco and Firearms
Research and Regulations Branch
1200 Pennsylvania Avenue, NW
Washington, D.C. 20226

Attention: Jimmie R. Whitley

Dear Sir:

This letter is a petition for the establishment of Clear Lake as an American viticultural area, in accordance with Title 27, Code of Federal Regulations, Chapter 1, Part 4, Labeling and, in particular, Section 4.25a thereof.

1. THE NAME OF THE PROPOSED VITICULTURAL AREA IS LOCALLY AND/OR NATIONALLY KNOWN AS REFERRING TO THE AREA SPECIFIED IN THE APPLICATION

Clear Lake, the largest fresh water lake located entirely within the boundaries of California, identifies the principal inhabited region of Lake County, which is located in the north coast region of the state. For over one hundred years, the Clear Lake region has been a popular resort area and an agricultural center. Pears, walnuts and wine grapes are principal crops. During the nineteenth and early twentieth centuries, viticulture played a prominent role in the agriculture economy of the region, but due to difficulties of transportation and later Prohibition, the grape industry declined. The past 15 years have seen a significant return of vineyard development. Today, over 3,000 acres are planted to vines, and the Clear Lake region now has three commercial wineries, two located in the Big Valley area, a third in Lower Lake, and others being planned.

A selection of brochures and clippings are enclosed as Exhibit #1, as supporting documentation of the existence of the Clear Lake region as being locally and nationally known.

2. HISTORICAL OR CURRENT EVIDENCE THAT THE BOUNDARIES OF THE VITICULTURAL AREA ARE AS SPECIFIED IN THE APPLICATION

The applicant is one of several grape growers and winery owners located in the proposed viticultural area, which is generally defined as those agricultural lands immediately to the north, west and south by southeast of Clear Lake. These areas are in essence the historic orchard and vineyard lands bordering Clear

Lake or directly influenced by it, and defined by the mountains ringing its perimeter. Clear Lake serves to moderate the temperatures of the region, warming them in winter and cooling them in the summer. Other factors affecting grape culture are noted in Section 3, along with a supporting summary prepared by the county agricultural advisor,

An historical account of Lake County wine grape growing, which clearly identifies the Clear Lake region, is attached as Exhibit #2.

3. EVIDENCE RELATING TO THE GEOGRAPHICAL FEATURES (CLIMATE, SOIL, ELEVATION, PHYSICAL FEATURES, ETC.) WHICH DISTINGUISH THE VITICULTURAL FEATURES OF THE PROPOSED AREA FROM SURROUNDING AREAS

The basic features distinguishing Clear Lake from adjacent areas are the unique geography of the Clear Lake watershed, the warm days and cool nights during the growing season, the absence of adverse wind and fog conditions, and the uniform sandy loam and clay loam soils.

Clear Lake is rimmed by steep surrounding mountains, ranging in elevation to over 4,000 feet. The prominent volcanic mountain, Mt. Konocti (elevation 4,300 feet) rises from the edge of the lake and dominates the countryside. The lake itself is 1,300 feet above sea level, is the largest body of fresh water within California, and as such has a demonstrable influence on the growing areas contiguous to it. Prominent among the growing areas contiguous to Clear Lake, and which fall within the proposed viticultural designation, are Big Valley, Scotts Valley, Upper Lake, Clearlake Oaks and Lower Lake.

The 3,000 acres currently planted to vineyards within the region are located at 1,300 to 1,800 feet, are flat or gently rolling, and, in terms of heat summation, range from Region II at Kelseyville to a Region III at Clearlake Park. Prominent among the grape varieties planted in the region are Cabernet Sauvignon, Sauvignon Blanc, Johannisberg Riesling, Chenin Blanc, and Zinfandel. These grapes are used by wineries in the Clear Lake region, as well as in Napa, Sonoma and Mendocino Counties. They have typically been retailed under the North Coast and Lake County appelations. We believe these designations are imprecise, and specifically in the case of Lake County fail to distinguish the Clear Lake and Guenoc/Middletown growing regions, which differ markedly in terms of temperature and rainfall.

For a summary of Heat Summation in Clear Lake growing areas and other North Coast areas, see Exhibit #3.

In a letter from Mr. Charles Hemstreet, the agricultural advisor for Lake County - See Exhibit #4, the unique agricultural conditions of the region, defined in this application as Clear Lake, are described. We draw your attention to paragraph three which notes that "we are cooler in Big Valley and in Upper Lake than in the south end of the county near Guenoc." Guenoc, which is a growing region of historical importance in its own right, is outside the area defined as Clear Lake.

In paragraph four, Mr. Hemstreet goes on to say "we have the lake to moderate summer temperatures." In this application, Clear Lake as a moderating influence on the contiguous vineyard areas is a central issue in distinguishing Clear Lake from other growing areas within Lake County and other North Coast growing districts.

4. THE SPECIFIC BOUNDARIES OF THE VITICULTURAL AREA BASED ON FEATURES FOUND ON THE APPLICABLE U.S.G.S. MAP

The descriptive boundaries of the proposed viticultural area, using landmarks and points of reference on the applicable U.S.G.S. maps, are as follows:

Lower Lake Quadrangle Map (15 minute series)

From the beginning point on Mt. Hannah in Section 16, Township 12 North (T.12N.), Range 8 West (R. 8 W.) identified as having an elevation of 3,978 feet, the boundary runs --

(1) East-southeasterly 11,800 feet in a straight line to the point on Siegler Mountain in Section 23, T. 12 N., R. 8 W. identified as having an elevation of 3,692 feet;

(2) Then east-southeasterly 25,600 feet in a straight line to the point on Childers Peak in Section 34, T. 12 N., R. 7 W. identified as having an elevation of 2,188 feet;

(3) Then east-northeasterly 15,900 feet in a straight line to the point on the southeast corner of Section 25, T. 12 N., R. 7 W.;

(4) Then northeasterly 18,400 feet in a straight line to the point in Section 16, T. 12 N., R. 6 W. identified as being the "Baker Mine";

(5) Then northwesterly 30,500 feet in a straight line to the point at the southeast corner of Section 23, T. 13 N., R. 7 W.;

(6) The northerly along the east line of Sections 23, 14, 11, and 2, T. 13 N., R. 7 W. to the point at the northeast corner of Section 2 on the Clearlake Oaks Quadrangle map.

Clearlake Oaks Quadrangle Map (15 minute series)

Continuing from the northeast corner of Section 2, T. 13 N., R. 7 W., the boundary runs --

(7) Then northwesterly 18,400 feet in a straight line to the point in Section 21, T. 14 N., R. 7. W. called Round Mountain at an elevation of 2,400 feet;

(8) Then northwesterly 33,000 feet in a straight line to the southeast corner of Section 4, T. 14 N., R. 8 W.;

Lakeport Quadrangle Map (15 minute series)

Continuing from the southeast corner of Section 4, T. 14 N., R. 8 W. on the Clearlake Oaks Quadrangle Map --

(9) Then northwesterly on the Lakeport Quadrangle 39,350 feet in a straight line to a point on Charlie Alley Peak in Section 28, T. 16 N., R. 9 W. identified as having an elevation of 3,482 feet;

(10) Then westerly 35,800 feet in a straight line to a point on Hells Peak in Section 29, T. 16 N., R. 10 W. identified as having an elevation of 2,325 feet;

(11) Then southeasterly 34,100 in a straight line to a point on Griner Peak in Section 23, T. 14 N., R. 9 W. identified as having an elevation of 2,132 feet;

(12) Then southwesterly 26,200 feet in a straight line to a point on Scotts Mountain in Section 8, T. 14 N., R 10 W. identified as having an elevation of 2,380 feet;

(13) Then southeasterly 25,600 feet in a straight line to a point on Lakeport Peak in Section 35, T. 13 N., R 9 W. identified as having an elevation of 2,180 feet;

Kelseyville Quadrangle Map (15 minute series)

Continuing from Lakeport Peak in Section 35, T. 13 N., R 9 W. on the Lakeport Quadrangle Map --

(14) Then southeasterly 6,000 feet in a straight line to the point at the southwest corner of Section 1, T. 13 N., R 9 W.;

(15) Then south by southeast 26,600 feet in a straight line to the point at the southeast corner of Section 36, T. 12 N., R. 9 W.;

(16) Then south by southeasterly 36,700 feet in a straight line to the point at the southwest corner of Section 18, T. 12 N., R. 8 W.;

(17) Then east by northeast 15,000 feet in a straight line to Mount Hannah, Section 16, T. 12 N., R. 7 W. on the Lower Lake Quadrangle Map.

5. U.S.G.S. MAPS

Four 15 minute series maps were used to define the area: Lower Lake, Clearlake Oaks, Lakeport and Kelseyville. These maps are enclosed and have been prominently marked with the surveyed boundaries for the proposed viticultural area. These are denoted as Exhibits #5-1, #5-2, #5-3, #5-4.

In conclusion, we trust that this letter, which is an elaboration of our original application, dated July 29, 1982, will more fully and completely satisfy the requirements of Section 4.25a. We wish to thank Mr. Jimmie R. Whitley of your office for his assistance in clarifying these requirements.

Any further written requests or inquiries may be sent to me at Chateau du Lac (business office), 180 Park Road, P.O. Box 709, Burlingame, CA 94010. To expedite such requests or inquiries, you may call me collect at (415) 342-6364.

Thank you for your prompt and expeditious handling of this application.

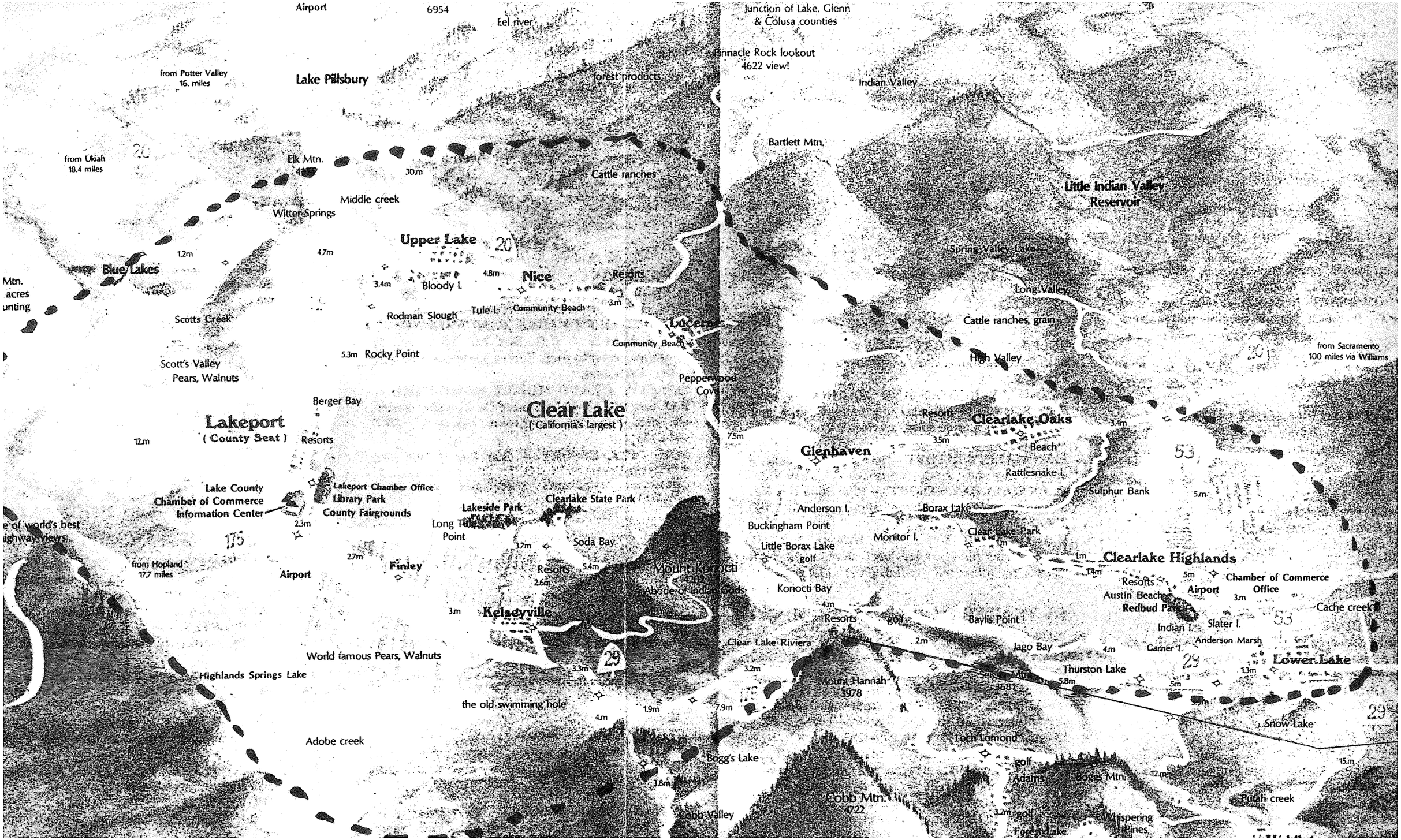
Sincerely,

CHATEAU du LAC, INCORPORATED

By Jess S. Jackson

Jess S. Jackson
President

Encls.



Airport
6954
Eel river
Junction of Lake, Glenn & Colusa counties
Pinnacle Rock lookout 4622 view!
from Potter Valley 16. miles
Lake Pillsbury
forest products
Indian Valley
Bartlett Mtn.
from Ukiah 18.4 miles
Elk Mtn.
30m
Cattle ranches
Little Indian Valley Reservoir
Middle creek
Witter Springs
Upper Lake
Spring Valley Lake
1.2m
4.7m
Blue Lakes
Mtn. acres unting
4.8m
Nice
Resorts
3.4m
Bloody I.
Long Valley
Scotts Creek
Rodman Slough
Tule I.
Community Beach
3.m
Lucerne
Cattle ranches, grain
Community Beach
5.3m
Rocky Point
High Valley
from Sacramento 100 miles via Williams
Scott's Valley
Pears, Walnuts
Pepperwood Cove
Berger Bay
Clear Lake
(California's largest)
Resorts
Clearlake Oaks
3.4m
Lakeport
(County Seat)
12.m
Resorts
7.5m
3.5m
Beach
Glenhaven
Rattlesnake I.
Lake County Chamber of Commerce Information Center
Lakeport Chamber Office
Library Park
County Fairgrounds
Lakeside Park
Clearlake State Park
Sulphur Bank
5.m
Anderson I.
Borax Lake
Buckingham Point
Long Tule Point
2.3m
Monitor I.
Clear Lake Park
Soda Bay
Little Borax Lake
golf
1.m
Clearlake Highlands
from Hopland 17.7 miles
Airport
2.7m
Finley
Resorts
5.4m
Mount Konocti
4202
Abode of Indian Gods
Resorts
Austin Beach
Airport
Chamber of Commerce Office
Konocti Bay
Redbud Park
3.m
Kelseyville
4.m
Resorts
golf
Baylis Point
Indian I.
Slater I.
Cache creek
Clear Lake Riviera
2.m
Jago Bay
4.m
Garner I.
Anderson Marsh
World famous Pears, Walnuts
Lower Lake
Highlands Springs Lake
3.3m
3.2m
Mount Hannah
3978
Thurston Lake
5.8m
1.3m
the old swimming hole
1.9m
7.9m
4.m
Snow Lake
Adobe creek
Loch Lomond
Bogg's Lake
golf
Adams
Boggs Mtn.
12.m
15.m
3.8m
Cobb Mtn.
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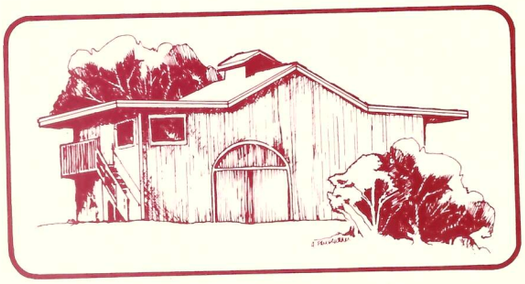
Putah creek
Cobb Valley
3.2m
golf
Whispering Pines
Forest Lake



Lower Lake Winery is a small, family owned and operated winery devoted to the production of premium quality Lake County wines. Established in 1977, we are the first winery in Lake County since prohibition.

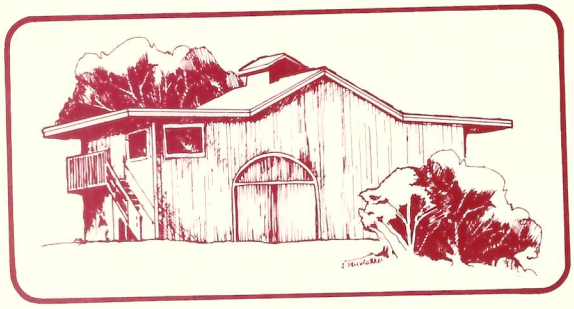
Here in this prime grape-growing region elevation, volcanic soil and nearby Clear Lake combine to provide micro-climates ideally suited to growing Sauvignon Blanc and Cabernet Sauvignon grapes. For this reason we have ventured wholeheartedly into the production of these fine table wines. All of the family members take an active role in the making of our wines and the operation of the winery. Since 1977, our production has increased from 3000 gallons to almost 8000 gallons.

Traditional methods are combined with modern equipment and our fine oak cooperage to create quality table wines of distinctive character. All of our wines are 100% varietal and many carry the vineyard designation on the label. Following fermentation our Cabernet Sauvignons are aged approximately two years in a combination of French and American oak cooperage before bottling. They are then bottle aged another year before release. These traditional aging methods add significantly to the development of flavor and aroma. The white wines are cold-fermented and kept in stainless steel tanks until bottling to preserve their delicate character.

You are invited to visit us at the winery and to taste our wines. We hope you will consider our premium Lake County wines a discovery worth sharing with your friends.

Tours ❦ Tasting ❦ Sales

Saturday and Sunday
10 a.m. to 5 p.m.
Weekday visitors please call
(707) 994-4069



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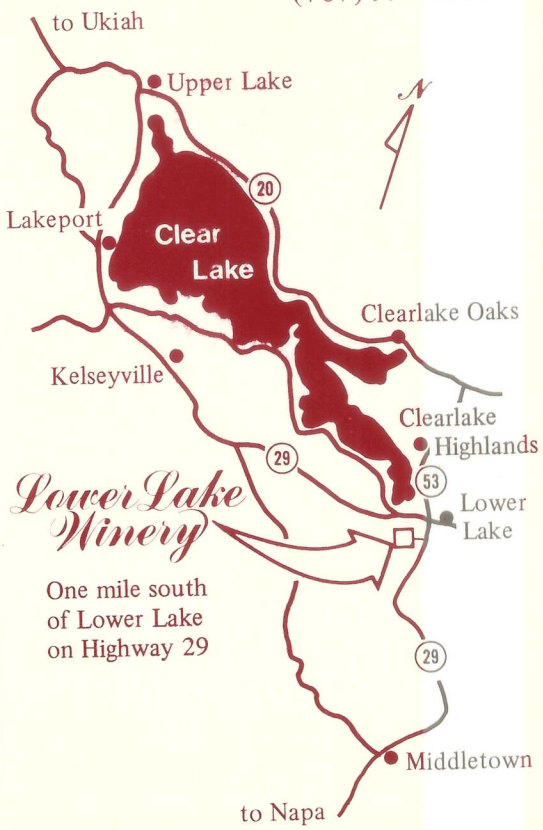
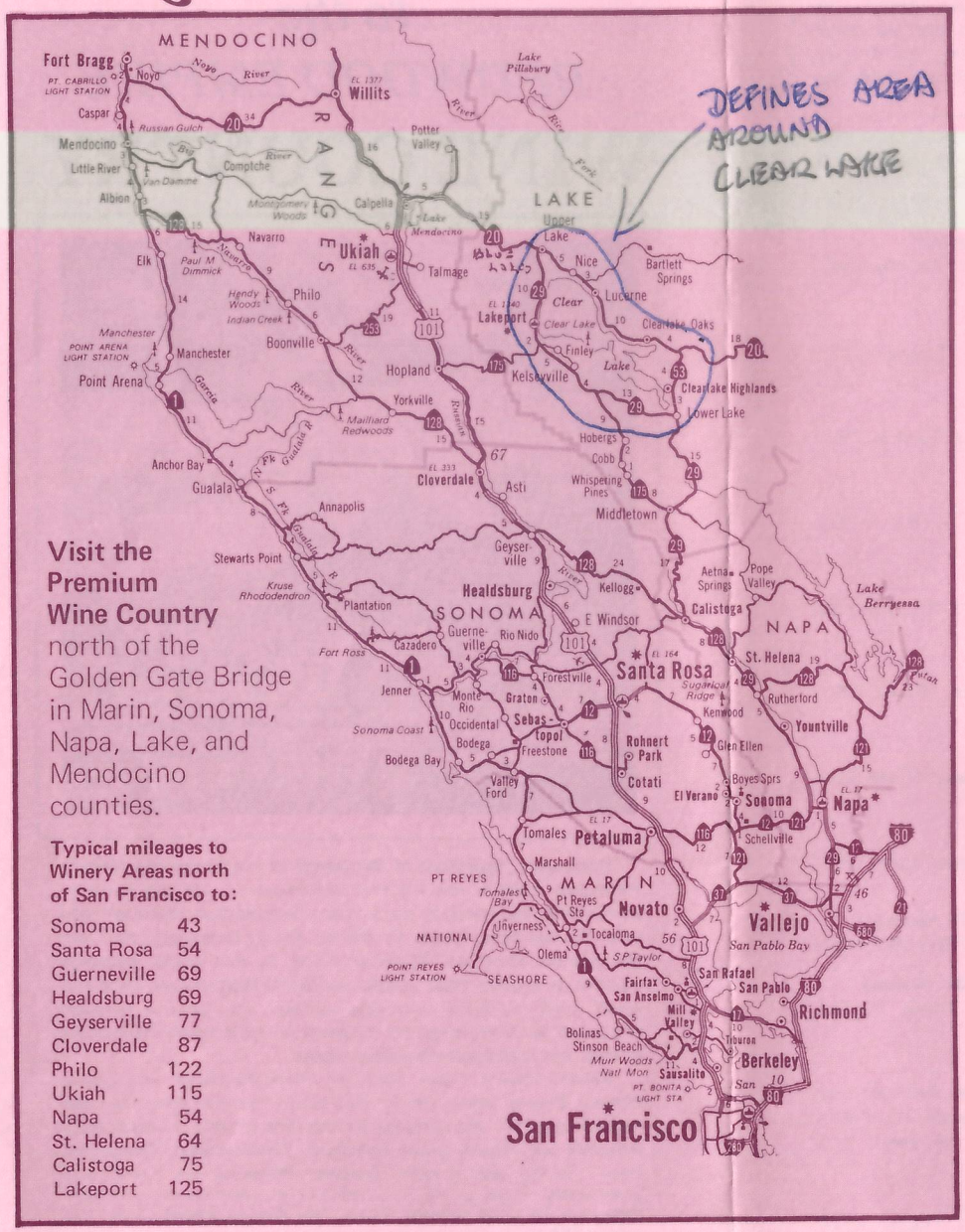


Welcome to the REDWOOD EMPIRE WINE COUNTIES!

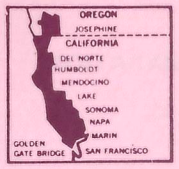


DEFINES AREA AROUND CLEAR LAKE

Visit the Premium Wine Country north of the Golden Gate Bridge in Marin, Sonoma, Napa, Lake, and Mendocino counties.

Typical mileages to Winery Areas north of San Francisco to:

Sonoma	43
Santa Rosa	54
Guerneville	69
Healdsburg	69
Geyserville	77
Cloverdale	87
Philo	122
Ukiah	115
Napa	54
St. Helena	64
Calistoga	75
Lakeport	125



Maps, other points-of-interest, lodging, and camping information on these and other counties in the nine-county Redwood Empire recreation area are included in a 40-page annual REDWOOD EMPIRE VISITORS' GUIDE, available free when visiting our office, or by mailing $1.00 to: **Redwood Empire Association, 360 Post Street, Suite 401, San Francisco, CA 94108.**

Above map reproduced by courtesy of the California State Automobile Association, copyright owner.

SAN FRANCISCO

***BUENA VISTA WINERY TASTING ROOM**
Pier 39/Second Level. Open Daily, 11:30 am-8:30 pm. Wine Displays. Retail Sales. Gifts, Tasting. (415) 982-1822.

THE WINE MUSEUM OF SAN FRANCISCO
633 Beach Street. The Christian Brothers Collection of Wine in the Arts. Franz W. Sichel Glass Collection. Open Tues.-Sat., 11 am-5 pm. Sun., Noon-5 pm. Closed Major Holidays. Admission Free. (415) 673-6990.

MARIN COUNTY WINERIES

***TIBURON VINTNERS/ SONOMA VINEYARDS** *(Tiburon)*
72 Main St. Daily, Sun./Thurs., 10 am-6 pm; Fri./Sat., 10 am-8 pm. Tasting. Personal Labels. (415) 435-3113.

GRAND PACIFIC VINEYARD COMPANY *(San Rafael, San Anselmo)*
134 Paul Drive, No. 5, San Rafael. Tours. 341 San Anselmo Ave., San Anselmo. Tasting. Daily, 11 am-6 pm. (415) 479-WINE.

SONOMA VALLEY WINERIES
(Highways 12 and 121)

GUNDLACH-BUNDSCHU WINERY *(Sonoma)*
3775 Thornsberry Rd. Daily, Noon-4:30 pm. Tours. Tasting. Picnics. (707) 938-5277.

***BUENA VISTA WINERY** *(Sonoma)*
18000 Old Winery Rd. Daily, 10 am-5 pm. Informal Tours. Tasting. Hillside Tunnels. Picnics. Concerts. (707) 938-1266.

***SEBASTIANI VINEYARDS** *(Sonoma)*
389 Fourth St. East. Daily, 10 am-5 pm. Tours. -4:20 pm. Tasting. Carved Casks. Picnics. (707) 938-5532.

***HACIENDA WINE CELLARS** *(Sonoma)*
1000 Vineyard Ln. Daily, from 10 am-5 pm. (TBA). Tasting. Picnics. (707) 938-3220.

VALLEY OF THE MOON WINERY *(Glen Ellen)*
Madrone Rd., off Hwy. 12. Daily except Thurs., 10 am-5 pm. Tasting. Picnics. (707) 996-6941, 996-6777.

GRAND CRU VINEYARDS *(Glen Ellen)*
1 Vintage Ln. Daily, 10 am-5 pm. (TBA). Tasting. Picnics. (707) 996-8100.

KENWOOD VINEYARDS *(Kenwood)*
9592 Hwy. 12. Daily, 10 am-4:30 pm. (TBA). Tasting. (707) 833-5891.

ST. FRANCIS WINERY *(Kenwood)*
8450 Hwy. 12. Daily, 10 am-4:30 pm. (T
(707) 833-4666

***CHATEAU ST. JEAN** *(Kenwood)*
8555 Hwy. 12. Daily, 10 am-4:30 pm. In
Tasting. Picnics. (707) 833-4134.

SONOMA COUNTY WINERIES
(Highway 101 and the Russian River

DE LOACH VINEYARDS *(West of Santa Rosa)*
1791 Olivet Rd. Daily, 10 am-4:30 pm. In
Picnics. (707) 526-9111.

MARTINI AND PRATI WINES, INC. *(West of San*
2191 Laguna Rd. Weekdays, 9 am-4 pm.
823-2404.

TOPOLOS AT RUSSIAN RIVER VINEYARDS *(F*
5700 Gravenstein Hwy. N. Wed./Sun., 11 am-
(TBA). (707) 887-2956.

DOMAINE LAURIER *(Forestville)*
8075 Martinelli Rd. Weekdays, 10 am-5 pm.
887-2176.

MARK WEST VINEYARDS *(Forestville)*
7000 Trenton-Healdsburg Rd. Daily, 10 am-
Tasting. Picnics. (707) 544-4813.

***F. KORBEL AND BROTHERS** *(Guerneville)*
13250 River Road. Daily, 9 am-5 pm. Tours,
Tasting, 10 am-4:30 pm. Picnics. (707) 887-22

LANDMARK VINEYARDS *(Windsor)*
9150 Los Amigos Rd. Sat./Sun., and by
10 am-5 pm. Tours. Tasting. Picnics. (70

***SONOMA VINEYARDS/WINDSOR VINEYARD**
11455 Old Redwood Hwy. Daily, 10 am-5 pm.
4 pm. Tasting. Picnics. (707) 433-6511.

HOP KILN WINERY *(Healdsburg)*
6050 Westside Rd. Daily, 10 am-5 pm. (T
Picnics. Events. (707) 433-6491.

DAVIS BYNUM WINERY *(Healdsburg)*
8075 Westside Rd. Daily, 9:30 am-5:30 pm. (
(707) 433-5852.

***LOUIS J. FOPPIANO WINERY** *(Healdsburg)*
12707 Old Redwood Hwy. Daily, 10 am-4:3
Picnics. (707) 433-7272.

CAMBIASO WINERY AND VINEYARDS *(Healds*
1141 Grant Ave. Mon./Sat., 10 am-4 pm.
433-5508.

MILL CREEK VINEYARDS *(Healdsburg)*
1401 Westside Rd. Mon./Fri., 10 am-4 pm.
433-5098.

SODA ROCK WINERY *(East of Healdsburg)*
8015 Hwy. 128. Daily, 10 am-5 pm. (TBA). T
(707) 433-1830.

JOHNSON'S ALEXANDER VALLEY *(East of He*
8333 Hwy. 128. Daily, 10 am-5 pm. (TBA). T
Pipe Organ Concerts. (707) 433-2319.

Our 85 acre vineyard and winery is located on the western shore of majestic Clear Lake, in California's North Coast wine region. Here we have planted the premium grape varieties best suited to the unique climate and volcanic, alluvial soil of the Clear Lake district. In our small, modern winery, we ferment our wines in small lots in temperature-controlled stainless tanks. We age them according to variety in small oak barrels, and blend for a balanced, flavorful style.

KENDALL-JACKSON

1981
CLEAR LAKE
SAUVIGNON BLANC

Few wine districts in California are as hospitable to Sauvignon Blanc as Clear Lake. The grape ripens perfectly, yielding juice with good balance and not too high in sugar. It produces a clean, medium-bodied golden wine with crisp, dry finish. A complex aroma of ripe nectarines and fresh mown hay is contrasted in the mouth by a characteristic herbaceous flavor mellowed by aging in French oak barrels. We recommend serving this distinctive wine with a cheese or mushroom omelette, broiled chicken or potato and leek soup. Residual sugar is zero (dry), and total acidity is .68 g/ml.

PRODUCED AND BOTTLED BY KENDALL-JACKSON VINEYARDS & WINERY
LAKEPORT, CALIFORNIA. ALCOHOL 13% BY VOLUME.

THE KONOCTI WINERY

Tasting Room Hours
11 a.m. to 5 p.m. Daily

Fall Harvest Festival
October 9 & 10, 1982

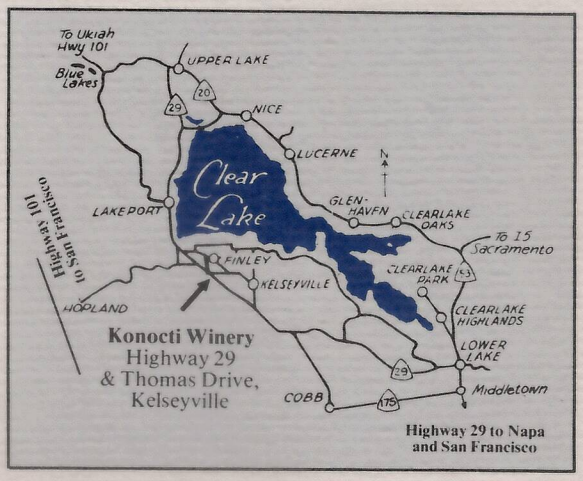
Cultural Events
Throughout The Year

Art by Local Artists
On Display

A Selection of Wine-Related
Items Is Available

Picnic Area
Cheese, Salami & French Bread

Private Tasting & Tours
By Appointment



THE KONOCTI WINERY

LAKE COUNTY

Highway 29 at Thomas Drive
Post Office Box 925
Kelseyville, California 95451
Phone (707) 279-8861

The Beachcomber Resort

on Beautiful Clear Lake
Lucerne, Calif.

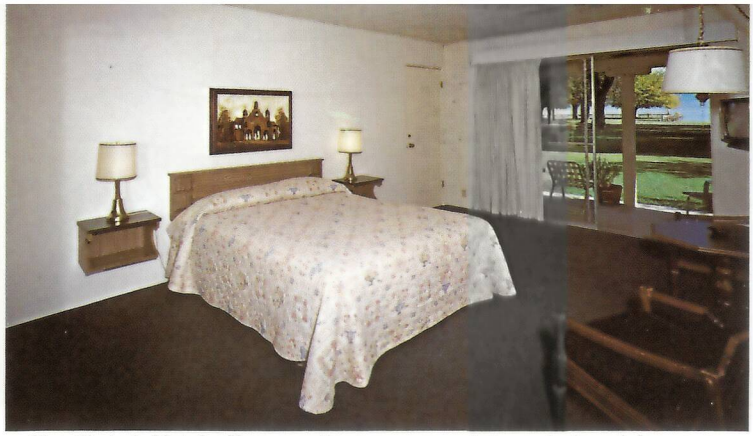
Phone (707) 274-6639

FISH - WATER SKI - SWIM - SAIL - RELAX
ENJOY BEAUTIFUL SUNSETS

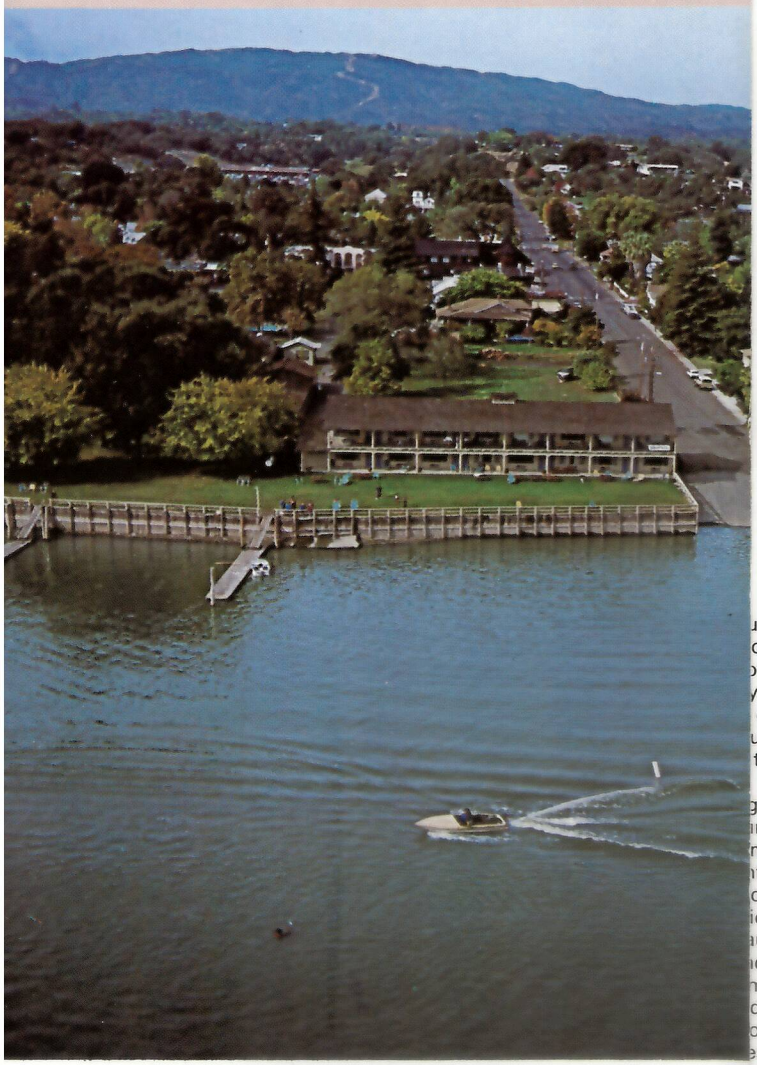
LAKEPORT, CALIFORNIA

On Beautiful Clear Lake

SKYLARK MOTEL



The Skylark Motel offers excellent accommodations designed for your convenience and pleasure. Air Conditioning - Electric Heat - Cable Color Television - Direct Dial Room Phones - Housekeeping Units - Lakeview Rooms - Boat Dock - Spacious Lawns - Heated Pool - Playground.



For those in search of rest and relaxation in peaceful surroundings, or for those interested in active outdoor sports, all can be found throughout the year at spacious Skylark.

unded by nearby public
or the bird and game
over 280,000 acres of
y.

or the shade, on the
under the trees, or in a
the scenic panoramic

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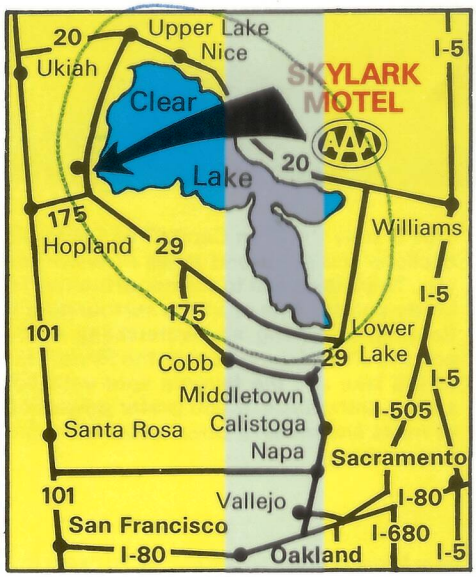


SKYLARK MOTEL
1120 North Main St., Lakeport, Ca. 95453
Phone 707 - 263-6151

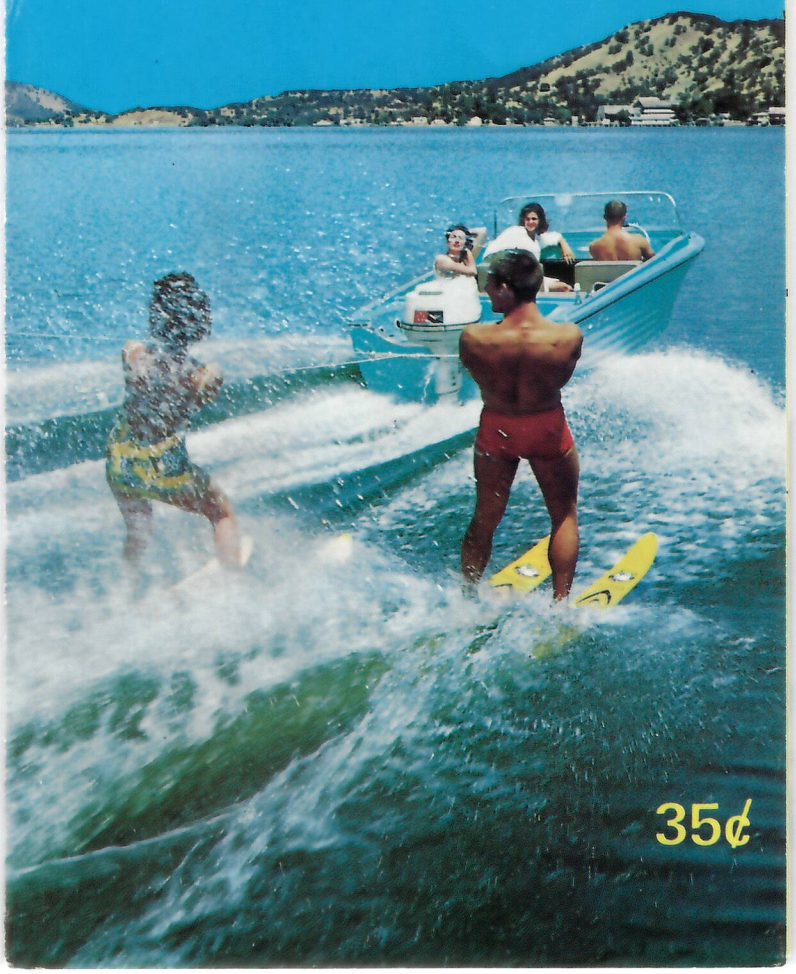
ations:
MOTEL
lain Street,
ornia 95453
263-6151

CLEAR LAKE

"California's Largest Natural Lake"

in beautiful

LAKE COUNTY



35¢

For a change of pace, visit the Mendocino coast area

Directory to Lake & Mendocino County Wineries

1 • Mountain House Winery

38999 Highway 128, Cloverdale
707 894-3074

Visitors by appt. only

Mountain House was an inn and stagecoach stop in the late 1800s. The winery was established in 1979 by Ron Lipp and several partners. It is situated in the Mendocino Mountains at a 1200 foot elevation. Mountain House produces Chardonnay, Cabernet Sauvignon, and late harvest Zinfandel. In 1981, a total of 2500 cases were produced.

2 • Greenwood Ridge Vineyards

Box 1090 Star Route, Philo
707 877-3262

Visitors by appt. only

Greenwood Ridge Vineyards takes its name from the coastal ridge on which the vineyards are situated. The eight acre vineyard, planted in 1972, produces White Riesling, Cabernet Sauvignon, and Merlot. The winery, bonded in 1980, produces 2,000 cases of wine a year from these grapes. Winemaker Allan Green's first release, the 1980 White Riesling, was awarded a gold medal at the 1981 Orange County Fair and a silver medal at the 1981 Los Angeles County Fair. The wines are available from selected Northern California retailers, fine local restaurants, and directly from the winery.

3 • Edmeades Vineyards

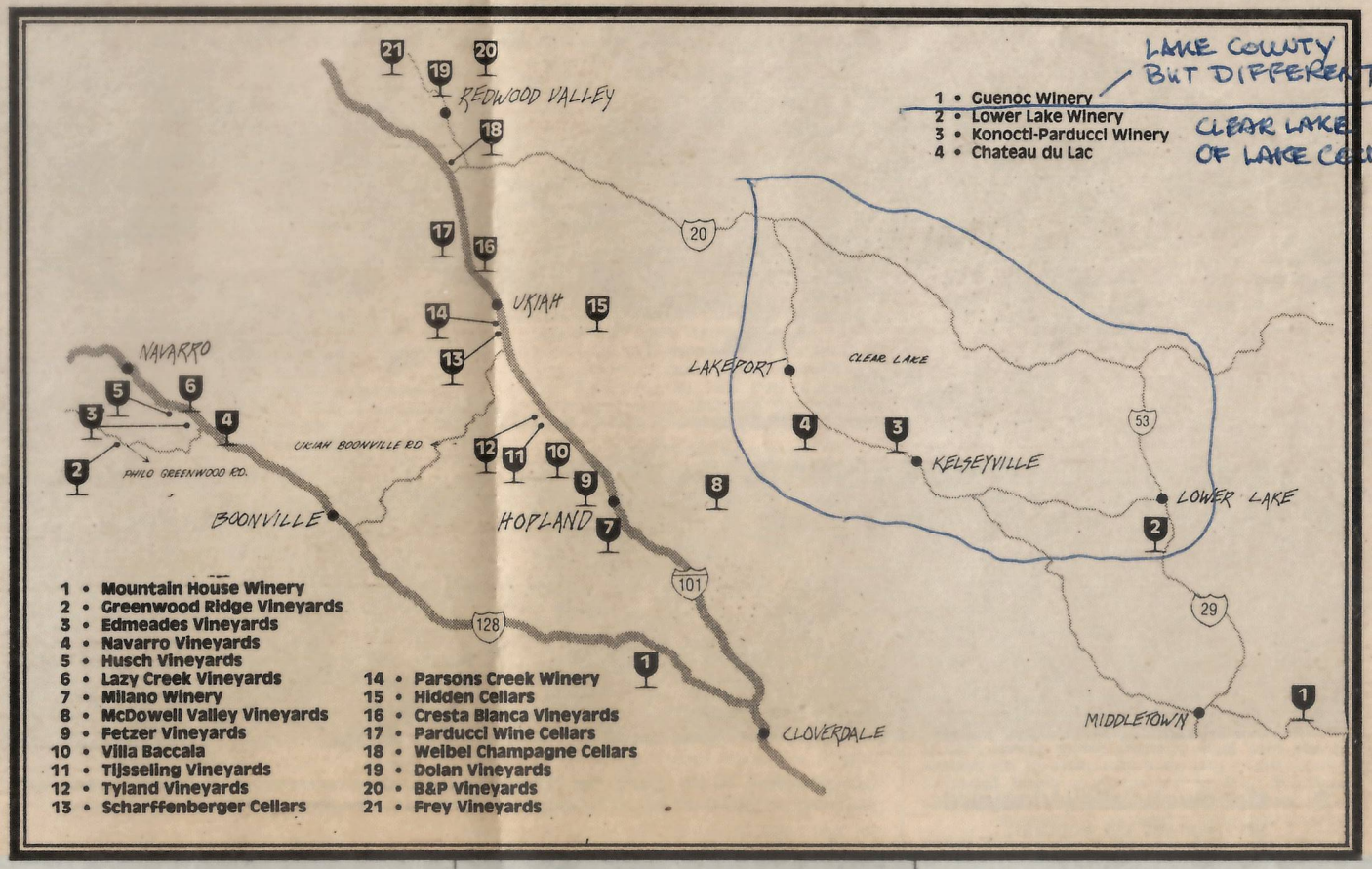
5500 Highway 128, Philo
707 895-3232

Open 11-5 winter; 10-6 summer

Located on a small bluff in Anderson Valley, Edmeades Vineyards was established by Dr. Donald Edmeades in 1964. In 1972 his son Deron started the winery in an old apple dryer. This was to be the first of several wineries to establish themselves in Anderson Valley in the 1970s. Currently Edmeades wines, including the well known Rain Wine and Opal, are distributed nationwide. Foremost among several fine varietals are the different vineyard-designated Zinfandels produced by winemaker Jed Steele.

4 • Navarro Vineyards

5601 Highway 128, Philo



full advantage of the valley's warm days, foggy nights and cool ocean breezes, the high density vineyards are carefully sited on terraced hillsides. The Gewurztraminer and Pinot Noir grapes are

5 • Husch Vineyards

4900 Highway 128, Philo

7 • Milano Winery

14594 South Highway 101, Hopland

Exhibit #3

Comparative Heat Summation In North Coast District

Station and County	Heat Summation	Climate Region Location
Napa, Napa	2880	Region II
Kelseyville, Lake*	2930	Region II
Santa Rosa, Sonoma	2950	Region II
Sonoma, Sonoma	2950	Region II
Upper Lake, Lake*	3100	Region III
Ukiah, Mendocino	3100	Region III
Hopland, Mendocino	3150	Region III
Healdsburg, Sonoma	3190	Region III
Clearlake Park, Lake*	3260	Region III
Calistoga, Napa	3150	Region III

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* These stations fall within the Clear Lake appelation.

Source of Data: General Viticulture, by A.J. Winkler, James A. Cook, W.M. Kliewer and Lloyd A. Lider, University of California Press, Revised and Enlarged Edition 1974.

UNIVERSITY OF CALIFORNIA
COUNTY OF LAKE

COOPERATIVE EXTENSION
883 LAKEPORT BLVD.
LAKEPORT, CALIF. 95453
TELEPHONE: 707/263-2281

EXHIBIT #4

September 23, 1982

Mr. Harry Freis
209 Post Street
San Francisco, Ca. 94108

Dear Mr. Freis:

Your questions dealing with the differences between the wine grapes grown in Lake County and those grown in other contiguous North Coast Counties can be answered several ways:

1. Various areas within each North Coast County vary as much as the variations between counties -- yet Napa County is not divided into viticultural appellations based on the climatic regions they have, i.e., Regions I, II, & III.

2. Yet Lake County's Region III is as different as it is the same as Region III in Napa, Sonoma and Mendocino Counties.

   -- our Region III seasonal heat summation curve is somewhat differently shaped than other North Coast Region III curves; we are without fog during the growing season, yet we have cooler nights (and often days) than neighboring coastal counties at the time when fruit ripening occurs (which helps maintain a good acid-sugar balance).

XX 3. We are cooler in Big Valley and in Upper Lake than the south end of the county near Guenoc.

XX 4. We have the effect of the Lake to moderate summer temperatures, as well as the cooling afternoon breezes off the coast the other North Coast Counties also enjoy.

5. We have less humidity during the growing season than other North Coast Counties, because we have fewer periods of morning fog.

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University of California and the United States Department of Agriculture cooperating.

6. The wine tells more about the effect of climate than anybody's calculations - the wine samples from Lake County made at U.C. Davis for five years showed our climate to be "North Coast" in climate effect on quality, but our reds smooth out and are saleable somewhat sooner than the more tannic wines from cooler regions.

Sincerely,

University of California
Cooperative Extension

C.L. Hemstreet, Jr.
County Director & Farm Advisor

CLH:jr